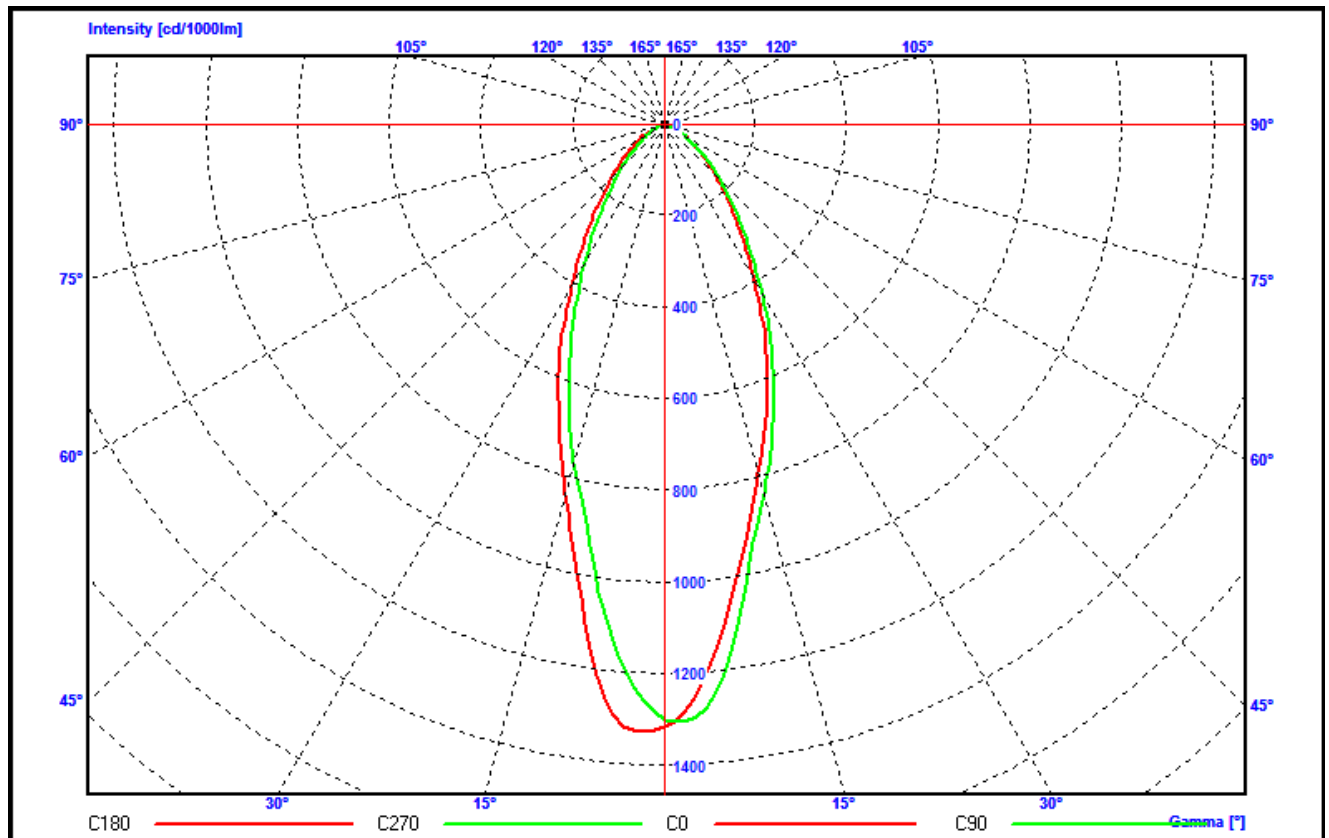


LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	935.50 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.052A WI=9.15W PF=0.7671		
Maximum intensity:	1238.772 cd		

Polar diagram 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement



Program:	Decostar C15 G1 180		
Name:	17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2		
Meas.-no.:	1		
Flux:	935.50 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.052A		
Maximum intensity:	1238.772 cd		

LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	935.50 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.052A WI=9.15W PF=0.7671		
Maximum intensity:	1238.772 cd		

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	0.00	15.00	30.00	45.00	60.00	75.00	90.00	105.00	120.00
0.00	1228.9	1228.7	1233.8	1232.0	1232.7	1234.3	1213.2	1228.7	1224.4
1.00	1217.9	1217.0	1227.8	1226.4	1231.1	1233.8	1219.7	1236.5	1234.7
2.00	1199.0	1198.8	1215.0	1213.8	1221.5	1224.2	1219.2	1234.1	1236.5
3.00	1172.7	1172.9	1195.4	1192.7	1203.5	1204.4	1210.7	1224.6	1228.9
4.00	1137.7	1140.4	1170.7	1166.9	1179.2	1177.7	1193.8	1206.0	1213.2
5.00	1100.6	1104.0	1139.7	1137.4	1149.3	1143.9	1169.3	1174.5	1188.9
6.00	1059.2	1066.2	1102.8	1100.8	1112.9	1101.0	1135.9	1135.4	1147.1
7.00	1016.8	1029.1	1064.4	1063.3	1069.8	1056.1	1092.9	1085.5	1100.6
8.00	977.9	990.5	1030.0	1026.9	1027.3	1007.3	1046.4	1032.3	1047.3
9.00	939.5	957.4	998.1	990.9	989.4	961.9	1000.1	980.6	997.0
10.00	903.1	925.3	965.1	956.5	949.4	922.6	953.9	929.4	948.2
11.00	864.4	890.3	929.8	919.9	912.1	885.3	911.2	883.3	899.2
12.00	828.5	856.6	892.5	880.6	876.1	847.1	870.3	843.7	856.6
13.00	796.1	818.4	859.3	846.9	843.3	815.9	837.7	810.5	819.7
14.00	763.8	783.8	822.9	816.1	813.0	788.0	806.4	784.2	789.6
15.00	735.0	752.1	786.9	783.8	785.3	761.1	779.5	759.5	764.2
16.00	708.5	721.7	755.7	752.5	755.0	733.6	754.1	734.5	738.8
17.00	683.1	691.6	726.5	724.7	728.7	705.8	727.8	708.9	715.7
18.00	657.5	664.7	698.4	699.5	701.3	680.2	700.6	683.3	688.9
19.00	633.7	639.3	671.9	674.1	677.0	654.8	674.5	660.4	662.9
20.00	610.1	616.6	648.5	648.7	652.1	629.2	647.6	635.5	636.6
21.00	586.9	593.7	626.5	624.7	627.6	604.7	623.3	610.5	609.6
22.00	562.9	571.2	602.2	598.6	602.6	581.3	599.3	586.0	582.9
23.00	538.2	547.1	576.6	573.0	575.0	556.8	573.2	560.0	555.9
24.00	511.4	520.9	549.2	543.5	548.9	531.0	545.6	533.4	527.4
25.00	486.3	496.1	522.2	515.5	521.1	505.1	521.3	506.0	502.7
26.00	460.2	471.0	495.0	488.0	493.7	481.3	495.9	479.3	476.8
27.00	435.5	445.1	468.1	460.2	464.7	457.3	470.3	453.2	449.6
28.00	410.8	419.5	440.0	433.4	437.5	432.5	445.6	426.5	425.1
29.00	388.1	393.7	414.8	408.3	413.7	409.0	421.5	400.6	403.3
30.00	365.6	369.4	391.0	386.0	389.0	385.4	398.2	377.9	380.0
31.00	343.8	346.5	366.9	362.9	365.6	363.8	375.9	353.2	358.2
32.00	323.8	324.9	345.6	343.3	342.4	342.2	355.0	332.3	337.7
33.00	306.3	303.8	325.8	324.0	322.9	321.5	334.8	312.1	319.5

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	0.00	15.00	30.00	45.00	60.00	75.00	90.00	105.00	120.00
34.00	288.5	286.9	306.3	305.8	303.6	302.9	317.1	293.7	300.9
35.00	272.1	270.1	288.5	288.7	285.4	284.9	298.2	275.3	282.7
36.00	256.2	255.5	272.8	272.3	268.7	267.6	281.1	259.1	266.7
37.00	241.8	241.6	258.2	257.5	253.5	252.1	265.1	244.0	252.1
38.00	226.9	230.1	244.2	243.6	239.3	238.2	249.4	231.0	238.4
39.00	213.2	218.2	232.1	229.4	226.3	224.3	234.6	218.0	224.9
40.00	200.2	207.6	220.2	215.9	213.9	212.6	220.7	206.1	212.6
41.00	189.0	197.3	209.4	203.1	202.9	201.1	207.4	195.0	200.4
42.00	177.5	187.8	199.3	190.5	192.6	190.3	195.0	184.7	189.2
43.00	167.4	179.1	189.2	179.8	182.7	180.7	183.6	175.5	177.7
44.00	158.0	170.3	180.2	169.4	173.2	171.4	172.6	166.3	167.6
45.00	149.7	161.6	171.0	158.9	163.8	161.8	162.0	156.8	158.4
46.00	141.3	152.6	162.2	149.7	154.6	152.3	152.1	147.6	148.3
47.00	133.0	144.3	153.0	141.6	145.2	143.4	142.0	138.4	138.9
48.00	124.9	135.0	143.4	133.5	136.4	133.9	132.8	129.2	129.0
49.00	117.1	126.7	134.4	124.7	127.9	124.7	124.3	120.7	120.0
50.00	109.7	117.5	126.1	117.3	119.8	115.9	116.4	112.1	111.9
51.00	102.5	109.0	116.6	109.4	111.5	107.4	108.1	104.3	103.1
52.00	94.8	100.9	108.3	101.6	103.6	99.8	99.8	96.2	95.5
53.00	88.1	92.6	99.5	94.4	95.5	91.7	92.1	88.5	88.1
54.00	81.6	85.6	91.9	87.2	88.5	84.0	85.4	81.1	81.6
55.00	75.3	78.9	84.7	80.9	81.8	77.5	78.4	74.8	74.6
56.00	69.7	73.3	78.0	74.8	75.7	71.2	71.7	68.5	68.8
57.00	64.7	67.9	72.1	69.4	69.9	65.6	66.1	62.9	63.1
58.00	60.4	63.4	67.4	65.2	65.4	60.7	61.1	57.7	58.4
59.00	57.1	60.0	63.6	61.8	60.9	56.8	56.4	53.7	54.4
60.00	53.7	56.8	60.2	57.7	56.8	53.0	52.4	49.9	50.8
61.00	49.9	52.6	56.2	53.5	53.0	49.4	48.8	46.3	48.1
62.00	45.6	47.4	51.7	48.8	49.0	45.4	45.6	42.9	45.4
63.00	41.3	42.2	47.0	44.7	44.7	41.1	42.0	39.5	42.5
64.00	36.4	37.3	41.8	40.4	40.2	36.9	38.2	36.0	38.9
65.00	32.6	33.0	37.1	35.7	35.5	32.8	34.2	32.6	34.8
66.00	29.0	29.4	32.8	31.7	31.5	29.0	30.3	29.0	31.0
67.00	25.8	26.1	29.2	28.1	27.9	25.8	27.2	25.8	27.2
68.00	23.1	23.1	25.6	24.9	24.5	22.7	24.3	22.7	23.8
69.00	20.4	20.4	22.9	22.0	21.6	20.0	21.3	20.2	20.9
70.00	18.2	18.2	20.4	19.5	19.1	17.8	18.9	17.8	18.7
71.00	16.2	16.2	18.0	17.5	16.9	15.7	16.6	15.7	16.4
72.00	14.4	14.2	16.0	15.5	14.8	13.9	14.8	13.9	14.6
73.00	12.8	12.6	14.2	13.5	13.0	12.1	13.0	12.4	12.8
74.00	11.2	10.8	12.4	11.9	11.5	10.6	11.5	10.8	11.2
75.00	9.9	9.4	10.8	10.3	9.9	9.2	9.9	9.4	9.9
76.00	8.5	8.3	9.2	9.0	8.5	7.9	8.5	8.3	8.5

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	0.00	15.00	30.00	45.00	60.00	75.00	90.00	105.00	120.00
77.00	7.4	7.2	8.1	7.6	7.4	7.0	7.4	7.0	7.4
78.00	6.3	6.3	7.0	6.5	6.5	5.8	6.3	6.1	6.5
79.00	5.6	5.4	6.1	5.6	5.6	5.2	5.4	5.4	5.6
80.00	4.7	4.7	5.2	4.7	4.7	4.5	4.7	4.7	4.9
81.00	4.0	3.8	4.3	4.0	4.0	3.8	4.0	4.0	4.3
82.00	3.4	3.1	3.8	3.4	3.4	3.1	3.4	3.4	3.6
83.00	2.9	2.7	3.1	2.9	2.9	2.7	2.9	2.9	3.1
84.00	2.2	2.2	2.5	2.2	2.2	2.2	2.5	2.5	2.5
85.00	1.8	1.6	2.0	1.8	1.8	1.6	2.0	2.0	2.0
86.00	1.3	1.3	1.6	1.3	1.3	1.3	1.6	1.6	1.6
87.00	1.1	0.9	1.1	1.1	1.1	0.9	1.1	1.1	1.3
88.00	0.7	0.7	0.9	0.7	0.9	0.7	0.9	0.9	0.9
89.00	0.7	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
91.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
92.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
93.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
94.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
95.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
96.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
97.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
98.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
99.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
100.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
101.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
102.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
103.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
104.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
105.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
106.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
107.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
108.00	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4
109.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
110.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
111.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
112.00	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
113.00	0.7	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4
114.00	0.7	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4
115.00	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4
116.00	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
117.00	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4
118.00	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4
119.00	0.7	0.7	0.7	0.7	0.4	0.7	0.4	0.4	0.4

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	0.00	15.00	30.00	45.00	60.00	75.00	90.00	105.00	120.00
120.00	0.7	0.7	0.7	0.7	0.4	0.7	0.4	0.4	0.4
121.00	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.7	0.4
122.00	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.7	0.4
123.00	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.7	0.7
124.00	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.7	0.7
125.00	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.7	0.7
126.00	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.7	0.7
127.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
128.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
129.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
130.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
131.00	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7
132.00	0.9	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7
133.00	0.9	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7
134.00	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7	0.7
135.00	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7
136.00	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	0.9
137.00	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	0.9
138.00	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	0.9
139.00	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	0.9
140.00	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	0.9
141.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
143.00	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
144.00	1.1	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145.00	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9
146.00	1.1	1.1	1.1	1.1	0.9	1.1	0.9	0.9	0.9
147.00	1.1	1.1	1.1	1.1	0.9	1.1	0.9	1.1	0.9
148.00	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	1.1
149.00	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	0.9
150.00	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	1.1
151.00	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	1.1
152.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
153.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
154.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
156.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
158.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
159.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
161.00	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	0.00	15.00	30.00	45.00	60.00	75.00	90.00	105.00	120.00
163.00	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
164.00	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165.00	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
166.00	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
167.00	1.3	1.1	1.3	1.3	1.3	1.1	1.1	1.1	1.1
168.00	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
169.00	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
170.00	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.1
171.00	1.1	1.3	1.1	1.3	1.1	1.3	1.1	1.1	1.1
172.00	1.3	1.1	1.3	1.3	1.3	1.1	1.1	1.3	1.1
173.00	1.3	1.3	1.3	1.3	1.1	1.3	1.3	1.1	1.1
174.00	1.3	1.3	1.3	1.3	1.1	1.3	1.1	1.3	1.1
175.00	1.3	1.3	1.1	1.3	1.3	1.1	1.1	1.3	1.1
176.00	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
177.00	1.3	1.3	1.1	1.1	1.1	1.3	1.3	1.1	1.1
178.00	1.3	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.1
179.00	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.1	1.1
180.00	1.3	1.3	1.1	1.3	1.1	1.1	1.1	1.1	1.1

G/C [cd]	135.00	150.00	165.00	180.00	195.00	210.00	225.00	240.00	255.00
0.00	1225.3	1215.6	1217.4	1228.9	1228.7	1233.8	1232.0	1232.7	1234.3
1.00	1235.4	1227.1	1226.9	1235.2	1235.0	1234.5	1231.8	1228.2	1227.5
2.00	1236.1	1234.5	1232.5	1238.8	1236.5	1233.6	1229.1	1220.6	1218.1
3.00	1229.3	1233.4	1232.3	1236.7	1235.0	1228.0	1221.7	1209.6	1204.6
4.00	1212.0	1225.1	1223.5	1230.0	1231.1	1216.8	1212.5	1191.1	1183.0
5.00	1184.2	1206.2	1199.2	1210.2	1214.7	1190.2	1188.7	1162.4	1154.3
6.00	1142.6	1170.5	1162.8	1176.1	1180.3	1145.7	1147.8	1123.1	1117.2
7.00	1095.6	1125.7	1118.8	1132.9	1136.3	1096.5	1101.3	1072.5	1072.0
8.00	1043.7	1075.2	1064.2	1081.0	1085.5	1043.1	1050.0	1020.8	1023.3
9.00	993.8	1026.9	1012.9	1030.3	1033.8	993.6	997.2	971.4	974.5
10.00	946.4	976.3	962.8	977.4	982.6	943.1	942.4	917.9	921.5
11.00	903.3	927.8	915.7	931.2	933.2	893.9	894.8	872.7	873.6
12.00	862.6	886.9	875.2	889.8	892.7	851.4	854.8	831.6	833.2
13.00	826.9	850.9	839.5	852.1	855.0	817.7	817.5	798.6	797.7
14.00	794.3	815.4	804.0	813.6	815.4	781.3	784.7	765.3	764.7
15.00	766.9	782.4	770.5	779.9	778.4	748.5	752.5	731.4	734.5
16.00	738.1	750.5	736.3	745.6	744.2	713.9	721.1	700.6	706.5
17.00	709.4	720.6	704.0	715.4	711.8	684.7	687.4	673.4	677.2
18.00	681.7	691.9	674.8	684.2	682.2	653.2	655.0	645.3	648.3
19.00	654.3	664.2	646.5	654.3	656.6	628.0	624.9	618.2	620.8
20.00	626.7	637.0	618.4	626.9	630.1	602.2	598.4	591.4	595.0
21.00	597.9	612.1	593.2	600.6	604.9	579.7	570.5	564.9	569.2
22.00	572.3	584.4	568.0	576.8	579.5	556.4	544.7	540.4	542.2

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	135.00	150.00	165.00	180.00	195.00	210.00	225.00	240.00	255.00
23.00	547.1	558.6	543.1	551.4	553.7	530.1	519.5	514.8	517.7
24.00	520.2	530.5	517.9	524.5	527.8	503.8	496.6	488.5	495.0
25.00	493.9	505.6	493.2	500.0	502.2	478.4	473.7	464.0	470.1
26.00	469.4	480.0	469.8	475.5	474.3	453.7	449.6	439.5	447.4
27.00	444.5	455.2	446.0	450.3	448.3	428.1	428.1	415.2	422.2
28.00	421.3	431.0	421.8	425.6	422.2	404.7	405.8	391.2	398.2
29.00	397.9	408.3	398.2	400.2	398.6	380.9	385.1	368.1	375.0
30.00	375.5	383.1	375.9	377.7	373.5	359.1	363.6	346.3	350.5
31.00	354.8	360.0	354.8	356.1	350.3	337.3	342.4	324.2	329.6
32.00	334.6	337.7	332.8	335.0	327.8	317.5	321.3	302.9	308.1
33.00	315.0	317.5	313.9	315.7	308.3	297.5	302.2	281.5	289.0
34.00	296.2	296.4	294.6	297.5	289.2	280.4	282.9	263.8	270.8
35.00	279.5	278.2	277.3	280.2	271.4	263.1	264.7	246.9	253.2
36.00	262.7	261.1	260.9	263.1	255.5	246.5	247.4	230.8	237.5
37.00	248.1	245.1	244.9	247.4	242.0	232.1	231.9	216.6	223.1
38.00	234.1	230.5	231.0	233.2	228.7	218.6	216.4	204.3	210.1
39.00	220.0	217.3	217.3	218.9	216.4	206.1	201.6	192.3	197.7
40.00	206.5	205.8	204.0	205.2	204.7	193.9	188.1	180.9	186.5
41.00	194.6	194.8	191.7	192.3	195.0	182.9	176.2	170.8	176.2
42.00	183.6	184.9	180.0	180.9	185.4	172.8	164.7	161.6	166.7
43.00	173.2	175.5	170.1	170.3	176.6	163.6	154.4	152.8	156.8
44.00	163.4	167.0	160.7	161.3	168.3	154.6	145.2	144.0	148.3
45.00	154.1	159.1	151.4	152.1	160.0	146.1	136.8	136.4	139.8
46.00	144.7	150.5	142.9	144.0	151.7	138.2	129.4	128.8	131.2
47.00	136.2	142.0	134.6	136.2	143.8	129.9	121.8	121.1	122.0
48.00	127.9	133.7	126.5	128.5	135.3	121.8	114.8	113.2	113.5
49.00	119.1	125.4	118.4	120.9	126.7	113.9	108.3	105.8	105.6
50.00	110.8	117.3	111.0	113.9	118.2	106.5	101.6	99.1	98.0
51.00	103.1	109.0	103.6	106.7	109.4	99.1	95.0	91.9	90.6
52.00	95.7	100.9	95.9	99.5	101.6	91.5	88.5	85.4	83.8
53.00	88.5	92.8	88.5	92.6	94.4	84.3	82.7	78.9	77.5
54.00	81.3	86.1	82.0	86.1	87.2	78.4	76.4	73.5	71.5
55.00	75.3	79.3	75.9	80.2	80.7	73.0	71.2	68.1	66.3
56.00	69.4	73.0	70.6	74.6	75.0	68.5	66.7	63.8	61.1
57.00	64.0	67.6	65.6	69.4	70.3	64.9	63.4	60.0	57.1
58.00	59.3	62.9	61.8	65.2	66.7	62.0	60.0	56.6	53.5
59.00	56.0	59.1	58.6	61.6	63.6	59.8	56.8	53.3	50.1
60.00	53.3	56.0	55.5	58.4	60.7	56.6	53.7	49.9	47.2
61.00	50.8	53.5	52.4	55.1	56.8	52.6	50.3	46.1	44.0
62.00	47.6	50.6	49.2	51.5	51.7	47.2	46.3	42.2	40.7
63.00	44.0	46.7	45.4	47.0	45.8	41.3	41.8	38.2	36.6
64.00	39.8	42.2	41.1	42.0	40.4	36.2	37.5	33.9	33.3
65.00	35.1	37.7	36.6	37.1	36.0	32.1	33.5	30.3	29.9

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	135.00	150.00	165.00	180.00	195.00	210.00	225.00	240.00	255.00
66.00	30.8	33.7	32.4	32.8	31.9	28.5	29.4	27.0	26.7
67.00	27.2	29.7	28.8	29.2	28.5	25.6	26.3	24.0	23.8
68.00	23.8	25.8	25.6	25.8	25.2	22.7	23.4	21.3	20.9
69.00	20.9	22.7	22.5	22.7	22.5	20.2	20.9	19.1	18.7
70.00	18.4	20.0	20.0	20.2	19.8	18.2	18.7	17.1	16.6
71.00	16.4	17.8	17.8	18.0	17.8	16.2	16.6	15.3	14.8
72.00	14.6	15.7	16.0	16.0	15.7	14.6	14.8	13.7	13.3
73.00	12.8	13.9	14.2	14.2	13.9	13.0	13.3	12.1	11.9
74.00	11.2	12.4	12.6	12.6	12.6	11.5	11.9	11.0	10.6
75.00	9.9	10.8	11.0	11.2	11.0	10.3	10.6	9.7	9.4
76.00	8.5	9.4	9.7	9.7	9.7	9.0	9.2	8.5	8.3
77.00	7.4	8.3	8.3	8.5	8.5	7.9	8.1	7.4	7.2
78.00	6.5	7.2	7.2	7.4	7.4	7.0	7.2	6.5	6.3
79.00	5.6	6.3	6.3	6.5	6.5	6.1	6.3	5.8	5.6
80.00	4.7	5.4	5.6	5.6	5.6	5.2	5.4	5.2	4.9
81.00	4.0	4.7	4.7	4.7	4.9	4.5	4.7	4.5	4.3
82.00	3.6	4.0	4.0	4.0	4.3	3.8	4.0	3.8	3.8
83.00	3.1	3.6	3.6	3.6	3.6	3.4	3.6	3.1	3.1
84.00	2.5	2.9	2.9	2.9	3.1	2.9	2.9	2.7	2.7
85.00	2.0	2.5	2.5	2.5	2.7	2.2	2.5	2.2	2.2
86.00	1.6	2.0	2.0	2.0	2.0	1.8	2.0	1.8	1.8
87.00	1.3	1.6	1.6	1.6	1.6	1.3	1.6	1.3	1.3
88.00	0.9	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9
89.00	0.7	0.9	0.9	0.7	0.9	0.7	0.9	0.7	0.7
90.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
91.00	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
92.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
93.00	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.2	0.2
94.00	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4
95.00	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4
96.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2
98.00	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.2	0.4
99.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
100.00	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4
101.00	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4
102.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
103.00	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4
104.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
105.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
106.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
107.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
108.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	135.00	150.00	165.00	180.00	195.00	210.00	225.00	240.00	255.00
109.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
110.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
111.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
112.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
113.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
114.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
115.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
116.00	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
117.00	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4
118.00	0.4	0.7	0.4	0.4	0.4	0.4	0.7	0.4	0.4
119.00	0.4	0.7	0.7	0.4	0.4	0.4	0.7	0.4	0.4
120.00	0.4	0.7	0.7	0.4	0.4	0.7	0.7	0.7	0.4
121.00	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.4	0.4
122.00	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.7	0.4
123.00	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.7	0.7
124.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
126.00	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.7	0.7
127.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
128.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
129.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
130.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
131.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
132.00	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
133.00	0.7	0.7	0.9	0.7	0.7	0.7	0.7	0.7	0.7
134.00	0.7	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7
135.00	0.7	0.9	0.9	0.7	0.9	0.7	0.7	0.9	0.7
136.00	0.7	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.9
137.00	0.9	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.9
138.00	0.9	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.9
139.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
141.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
143.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
144.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
146.00	0.9	0.9	1.1	0.9	0.9	1.1	0.9	0.9	1.1
147.00	0.9	1.1	1.1	0.9	0.9	1.1	1.1	0.9	0.9
148.00	1.1	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.1
149.00	1.1	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.1
150.00	1.1	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.1
151.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	135.00	150.00	165.00	180.00	195.00	210.00	225.00	240.00	255.00
152.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
153.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
154.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
156.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
158.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
159.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
161.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
163.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
164.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
166.00	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.1
167.00	1.1	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
168.00	1.1	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1
169.00	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.1	1.1
170.00	1.1	1.1	1.3	1.1	1.3	1.3	1.3	1.1	1.1
171.00	1.1	1.3	1.1	1.1	1.1	1.3	1.3	1.3	1.3
172.00	1.1	1.1	1.3	1.1	1.3	1.3	1.1	1.3	1.1
173.00	1.3	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1
174.00	1.1	1.3	1.3	1.1	1.3	1.3	1.1	1.3	1.3
175.00	1.1	1.1	1.1	1.3	1.3	1.3	1.1	1.1	1.1
176.00	1.1	1.1	1.3	1.1	1.3	1.1	1.3	1.1	1.3
177.00	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3
178.00	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.1
179.00	1.1	1.1	1.1	1.1	1.3	1.3	1.1	1.3	1.3
180.00	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.1	1.3

G/C [cd]	270.00	285.00	300.00	315.00	330.00	345.00
0.00	1213.2	1228.7	1224.4	1225.3	1215.6	1217.4
1.00	1198.6	1215.9	1210.2	1213.2	1202.6	1206.2
2.00	1179.5	1197.7	1191.4	1194.3	1181.9	1187.5
3.00	1153.2	1173.4	1166.2	1170.0	1156.8	1165.1
4.00	1121.7	1144.4	1132.7	1140.6	1124.8	1135.0
5.00	1088.2	1109.3	1098.1	1108.2	1087.5	1097.4
6.00	1047.6	1070.0	1060.1	1067.8	1043.3	1051.6
7.00	1006.4	1026.4	1014.5	1023.3	996.1	1006.7
8.00	962.2	984.0	970.3	977.7	948.2	961.9
9.00	917.7	939.0	924.9	928.9	902.6	917.9
10.00	871.6	892.1	879.5	884.2	857.9	874.5
11.00	828.5	847.8	837.9	839.9	816.8	835.0

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	270.00	285.00	300.00	315.00	330.00	345.00
12.00	794.8	812.3	800.8	803.5	784.4	799.7
13.00	766.2	782.6	773.2	773.0	756.3	766.9
14.00	741.3	756.8	747.8	746.7	730.9	739.3
15.00	715.7	732.1	723.5	723.5	706.2	713.0
16.00	685.8	705.3	696.8	700.4	681.5	689.2
17.00	655.0	675.0	670.7	675.4	657.7	665.8
18.00	624.2	642.2	640.2	647.4	631.4	640.8
19.00	595.0	611.0	611.9	619.5	606.0	618.4
20.00	566.0	582.0	584.7	593.9	581.1	596.6
21.00	540.2	553.4	557.5	568.3	557.0	573.4
22.00	514.1	524.5	529.8	542.2	533.2	551.9
23.00	486.9	496.1	501.8	514.6	505.8	526.9
24.00	461.5	471.4	471.6	488.0	479.3	503.3
25.00	438.4	444.2	444.0	461.3	454.1	477.3
26.00	413.0	419.7	416.8	435.2	430.3	451.2
27.00	389.0	394.1	390.8	409.4	406.5	424.2
28.00	366.0	369.6	366.0	385.8	382.4	399.3
29.00	345.6	345.4	341.8	363.3	359.1	374.8
30.00	324.0	322.2	319.3	341.8	337.1	350.5
31.00	304.7	300.2	298.4	320.0	315.9	328.3
32.00	286.5	279.8	277.7	300.6	296.2	308.5
33.00	269.9	262.2	260.0	282.9	278.2	290.1
34.00	253.2	245.4	243.6	265.8	262.2	272.8
35.00	236.2	229.2	228.3	249.2	245.8	256.2
36.00	220.7	214.4	213.5	234.1	231.7	242.2
37.00	207.2	201.6	200.9	220.0	219.1	229.2
38.00	193.2	189.4	190.3	206.1	207.4	217.1
39.00	181.1	178.4	179.3	193.9	196.4	205.4
40.00	169.6	168.1	169.2	181.8	185.4	194.4
41.00	159.1	158.9	159.8	171.2	175.0	184.0
42.00	149.2	149.4	150.8	160.2	166.3	174.4
43.00	140.0	140.7	142.2	150.3	157.1	164.9
44.00	131.4	131.9	133.5	141.3	148.1	156.2
45.00	123.6	124.0	125.4	132.6	139.3	147.6
46.00	115.5	115.9	117.3	124.5	130.6	139.1
47.00	107.2	108.3	109.0	115.7	122.0	130.6
48.00	99.8	100.7	100.7	107.6	113.2	122.0
49.00	92.6	93.9	93.3	100.0	104.9	113.9
50.00	86.1	87.0	86.7	93.0	97.5	106.1
51.00	79.8	80.4	79.8	85.6	90.1	98.4
52.00	73.5	74.2	73.5	79.1	83.1	90.8
53.00	67.9	68.8	67.4	73.3	76.2	83.6
54.00	63.1	63.4	62.5	67.4	70.3	77.1

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	270.00	285.00	300.00	315.00	330.00	345.00
55.00	58.4	58.0	57.5	62.0	64.7	70.8
56.00	54.4	53.9	53.0	57.1	59.8	65.4
57.00	50.6	49.9	49.0	52.8	55.3	60.4
58.00	47.4	46.5	45.6	49.0	51.7	56.2
59.00	44.5	43.4	42.5	45.8	48.3	52.1
60.00	41.8	40.9	39.8	43.1	44.9	48.8
61.00	39.1	38.2	37.1	40.2	41.6	45.6
62.00	36.0	35.3	34.4	37.3	37.5	41.8
63.00	32.6	32.4	31.5	33.9	33.7	38.0
64.00	29.2	29.2	28.3	30.6	29.9	34.2
65.00	26.1	26.3	25.2	27.2	26.5	30.6
66.00	23.4	23.4	22.5	24.0	23.6	27.2
67.00	20.9	20.7	20.0	21.3	21.1	24.3
68.00	18.7	18.4	17.8	18.9	18.7	21.6
69.00	16.6	16.4	16.0	16.9	16.6	19.3
70.00	14.8	14.6	14.2	15.1	14.8	17.1
71.00	13.3	13.0	12.8	13.5	13.3	15.1
72.00	11.9	11.7	11.2	11.9	11.7	13.5
73.00	10.6	10.3	10.1	10.6	10.3	11.9
74.00	9.4	9.2	9.0	9.4	9.2	10.3
75.00	8.3	8.1	7.9	8.3	8.1	9.0
76.00	7.4	7.2	7.0	7.2	7.0	7.9
77.00	6.5	6.3	6.1	6.3	6.1	6.7
78.00	5.6	5.6	5.4	5.6	5.4	5.8
79.00	4.9	4.9	4.7	4.9	4.7	5.2
80.00	4.3	4.3	4.0	4.3	4.0	4.3
81.00	3.8	3.6	3.6	3.6	3.4	3.8
82.00	3.4	3.1	2.9	3.1	2.9	3.1
83.00	2.7	2.7	2.5	2.5	2.5	2.7
84.00	2.2	2.2	2.0	2.2	2.0	2.0
85.00	1.8	1.8	1.6	1.6	1.6	1.6
86.00	1.6	1.3	1.3	1.3	1.1	1.1
87.00	1.1	0.9	0.9	0.9	0.9	0.9
88.00	0.9	0.7	0.7	0.7	0.7	0.7
89.00	0.7	0.4	0.4	0.4	0.4	0.4
90.00	0.7	0.4	0.4	0.4	0.4	0.4
91.00	0.4	0.4	0.4	0.4	0.2	0.2
92.00	0.4	0.2	0.2	0.2	0.4	0.2
93.00	0.4	0.2	0.2	0.2	0.4	0.2
94.00	0.4	0.2	0.2	0.2	0.4	0.4
95.00	0.4	0.2	0.4	0.2	0.4	0.4
96.00	0.4	0.2	0.2	0.2	0.4	0.4
97.00	0.4	0.2	0.4	0.4	0.2	0.2

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	270.00	285.00	300.00	315.00	330.00	345.00
98.00	0.4	0.4	0.2	0.4	0.4	0.4
99.00	0.4	0.4	0.4	0.2	0.4	0.4
100.00	0.4	0.2	0.2	0.2	0.4	0.4
101.00	0.4	0.2	0.4	0.2	0.4	0.4
102.00	0.4	0.4	0.4	0.4	0.4	0.4
103.00	0.4	0.4	0.4	0.4	0.4	0.4
104.00	0.4	0.2	0.2	0.2	0.4	0.4
105.00	0.4	0.4	0.4	0.4	0.4	0.4
106.00	0.4	0.4	0.4	0.4	0.4	0.4
107.00	0.4	0.4	0.4	0.4	0.4	0.4
108.00	0.4	0.4	0.4	0.4	0.4	0.4
109.00	0.4	0.4	0.4	0.4	0.4	0.4
110.00	0.7	0.4	0.4	0.4	0.4	0.4
111.00	0.4	0.4	0.4	0.4	0.4	0.4
112.00	0.4	0.4	0.4	0.4	0.4	0.4
113.00	0.4	0.4	0.4	0.4	0.4	0.4
114.00	0.7	0.4	0.4	0.4	0.4	0.4
115.00	0.7	0.4	0.4	0.4	0.4	0.4
116.00	0.7	0.4	0.4	0.4	0.4	0.4
117.00	0.7	0.4	0.4	0.4	0.4	0.4
118.00	0.7	0.4	0.4	0.4	0.4	0.4
119.00	0.7	0.4	0.4	0.4	0.4	0.4
120.00	0.7	0.4	0.4	0.4	0.4	0.4
121.00	0.7	0.4	0.4	0.4	0.4	0.4
122.00	0.7	0.4	0.4	0.4	0.7	0.4
123.00	0.7	0.4	0.4	0.7	0.4	0.4
124.00	0.7	0.7	0.7	0.7	0.7	0.7
125.00	0.7	0.7	0.7	0.7	0.7	0.4
126.00	0.7	0.7	0.7	0.7	0.7	0.7
127.00	0.7	0.7	0.7	0.7	0.7	0.7
128.00	0.7	0.7	0.7	0.7	0.7	0.7
129.00	0.7	0.7	0.7	0.7	0.7	0.7
130.00	0.9	0.7	0.7	0.7	0.7	0.7
131.00	0.9	0.7	0.7	0.7	0.7	0.7
132.00	0.9	0.7	0.7	0.7	0.7	0.7
133.00	0.9	0.7	0.7	0.7	0.7	0.7
134.00	0.9	0.7	0.7	0.7	0.7	0.7
135.00	0.9	0.7	0.7	0.7	0.7	0.7
136.00	0.9	0.7	0.9	0.9	0.7	0.7
137.00	0.9	0.9	0.7	0.9	0.9	0.7
138.00	0.9	0.9	0.7	0.9	0.9	0.9
139.00	0.9	0.9	0.9	0.9	0.9	0.9
140.00	0.9	0.9	0.9	0.9	0.9	0.9

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

G/C [cd]	270.00	285.00	300.00	315.00	330.00	345.00
141.00	1.1	0.9	0.9	0.9	0.9	0.9
142.00	1.1	0.9	0.9	0.9	0.9	0.9
143.00	1.1	0.9	0.9	0.9	0.9	0.9
144.00	1.1	0.9	0.9	0.9	0.9	0.9
145.00	1.1	0.9	0.9	0.9	0.9	0.9
146.00	1.1	0.9	0.9	0.9	0.9	0.9
147.00	1.1	0.9	0.9	0.9	0.9	0.9
148.00	1.1	1.1	0.9	0.9	1.1	0.9
149.00	1.1	1.1	0.9	1.1	1.1	0.9
150.00	1.1	1.1	1.1	1.1	1.1	1.1
151.00	1.1	1.1	1.1	1.1	1.1	1.1
152.00	1.1	1.1	1.1	1.1	1.1	0.9
153.00	1.1	1.1	1.1	1.1	1.1	1.1
154.00	1.1	1.1	1.1	1.1	1.1	1.1
155.00	1.3	1.1	1.1	1.1	1.1	1.1
156.00	1.1	1.1	1.1	1.1	1.1	1.1
157.00	1.1	1.1	1.1	1.1	1.1	1.1
158.00	1.1	1.1	1.1	1.1	1.1	1.1
159.00	1.1	1.1	1.1	1.1	1.1	1.1
160.00	1.1	1.1	1.1	1.1	1.1	1.1
161.00	1.1	1.1	1.1	1.1	1.1	1.1
162.00	1.1	1.1	1.1	1.1	1.1	1.1
163.00	1.1	1.1	1.1	1.1	1.1	1.1
164.00	1.1	1.1	1.1	1.1	1.1	1.1
165.00	1.1	1.1	1.1	1.1	1.1	1.1
166.00	1.1	1.1	1.1	1.1	1.1	1.1
167.00	1.3	1.1	1.1	1.1	1.1	1.1
168.00	1.3	1.1	1.1	1.1	1.1	1.1
169.00	1.1	1.1	1.1	1.1	1.1	1.1
170.00	1.3	1.1	1.1	1.1	1.1	1.1
171.00	1.1	1.1	1.1	1.1	1.1	1.1
172.00	1.3	1.1	1.1	1.1	1.1	1.1
173.00	1.1	1.1	1.1	1.1	1.1	1.1
174.00	1.3	1.1	1.1	1.1	1.1	1.1
175.00	1.3	1.1	1.1	1.1	1.1	1.1
176.00	1.1	1.1	1.1	1.1	1.1	1.1
177.00	1.1	1.1	1.1	1.1	1.1	1.1
178.00	1.3	1.1	1.1	1.1	1.1	1.1
179.00	1.3	1.1	1.1	1.1	1.1	1.1
180.00	1.1	1.1	1.1	1.1	1.1	1.1

LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	935.50 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.052A WI=9.15W PF=0.7671		
Maximum intensity:	1238.772 cd		

Zonal flux 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
0.0	1296.8	1319.4	1310.8	0.00	0.00	0.00	0.00
1.0	1281.2	1321.8	1308.3	1.17	1.17	0.13	0.13
2.0	1260.8	1324.2	1299.4	3.50	4.67	0.37	0.50
3.0	1232.7	1322.0	1283.7	5.78	10.45	0.62	1.12
4.0	1199.0	1316.0	1260.9	7.97	18.42	0.85	1.97
5.0	1162.5	1298.5	1229.6	10.02	28.44	1.07	3.04
6.0	1115.2	1261.7	1187.8	11.88	40.33	1.27	4.31
7.0	1064.8	1214.7	1140.4	13.52	53.85	1.45	5.76
8.0	1013.6	1160.4	1090.2	14.93	68.78	1.60	7.35
9.0	964.9	1105.1	1041.4	16.16	84.94	1.73	9.08
10.0	917.1	1050.4	992.5	17.22	102.16	1.84	10.92
11.0	873.1	997.5	946.4	18.12	120.28	1.94	12.86
12.0	838.5	954.3	905.3	18.94	139.22	2.02	14.88
13.0	808.5	918.5	869.5	19.70	158.92	2.11	16.99
14.0	781.3	879.6	836.0	20.42	179.35	2.18	19.17
15.0	754.9	841.2	804.7	21.07	200.42	2.25	21.42
16.0	728.5	807.8	773.7	21.64	222.05	2.31	23.74
17.0	700.2	778.9	743.6	22.10	244.16	2.36	26.10
18.0	667.3	749.6	713.4	22.47	266.63	2.40	28.50
19.0	636.0	723.7	684.9	22.76	289.39	2.43	30.93
20.0	605.0	697.0	657.2	22.98	312.37	2.46	33.39
21.0	577.4	670.9	630.2	23.13	335.49	2.47	35.86
22.0	549.6	644.2	603.4	23.19	358.69	2.48	38.34
23.0	520.5	616.3	575.6	23.14	381.83	2.47	40.82
24.0	493.4	587.0	547.4	22.97	404.80	2.46	43.27
25.0	468.6	558.2	520.1	22.71	427.51	2.43	45.70
26.0	441.5	530.1	492.9	22.37	449.88	2.39	48.09
27.0	415.8	502.7	465.7	21.94	471.82	2.35	50.43
28.0	391.3	476.3	439.2	21.43	493.25	2.29	52.73
29.0	365.3	450.6	414.0	20.88	514.13	2.23	54.96

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Zonal flux 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
30.0	341.3	425.6	389.4	20.29	534.42	2.17	57.13
31.0	319.0	401.8	365.8	19.66	554.09	2.10	59.23
32.0	296.9	379.5	343.6	19.01	573.10	2.03	61.26
33.0	277.9	357.9	323.1	18.37	591.47	1.96	63.23
34.0	260.4	338.9	303.8	17.75	609.22	1.90	65.12
35.0	244.0	318.7	285.3	17.11	626.34	1.83	66.95
36.0	228.2	300.5	268.2	16.49	642.82	1.76	68.71
37.0	214.7	283.4	252.8	15.90	658.72	1.70	70.41
38.0	202.5	266.6	238.4	15.34	674.05	1.64	72.05
39.0	190.7	250.8	224.6	14.78	688.84	1.58	73.63
40.0	179.7	235.9	211.7	14.24	703.07	1.52	75.16
41.0	169.8	223.9	199.9	13.71	716.79	1.47	76.62
42.0	159.5	213.1	188.8	13.21	730.00	1.41	78.03
43.0	149.6	202.2	178.3	12.72	742.72	1.36	79.39
44.0	140.5	192.6	168.5	12.25	754.97	1.31	80.70
45.0	132.1	182.8	159.1	11.78	766.75	1.26	81.96
46.0	123.5	173.4	149.9	11.30	778.05	1.21	83.17
47.0	114.6	163.6	140.7	10.81	788.86	1.16	84.33
48.0	106.6	153.2	131.7	10.30	799.17	1.10	85.43
49.0	99.0	143.6	123.1	9.79	808.95	1.05	86.47
50.0	92.0	134.7	114.9	9.28	818.24	0.99	87.47
51.0	85.3	124.7	106.6	8.77	827.00	0.94	88.40
52.0	78.5	115.8	98.8	8.25	835.25	0.88	89.28
53.0	72.1	106.4	91.2	7.73	842.98	0.83	90.11
54.0	66.8	98.2	84.3	7.24	850.22	0.77	90.88
55.0	61.5	90.6	77.9	6.77	856.99	0.72	91.61
56.0	56.7	83.3	72.1	6.34	863.33	0.68	92.29
57.0	52.4	77.1	66.9	5.94	869.27	0.64	92.92
58.0	48.8	72.1	62.5	5.60	874.87	0.60	93.52
59.0	45.4	68.0	58.8	5.31	880.18	0.57	94.09
60.0	42.5	64.9	55.3	5.04	885.22	0.54	94.63
61.0	39.6	60.8	51.7	4.78	890.00	0.51	95.14
62.0	36.7	55.2	47.7	4.48	894.48	0.48	95.62
63.0	33.6	50.2	43.4	4.14	898.63	0.44	96.06
64.0	30.3	45.2	38.9	3.78	902.40	0.40	96.46
65.0	26.9	40.4	34.7	3.41	905.81	0.36	96.83
66.0	24.0	36.0	30.8	3.05	908.87	0.33	97.15
67.0	21.4	31.7	27.4	2.74	911.60	0.29	97.45
68.0	19.0	27.6	24.2	2.44	914.04	0.26	97.71

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Zonal flux 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
69.0	17.1	24.5	21.5	2.18	916.22	0.23	97.94
70.0	15.1	21.9	19.1	1.95	918.17	0.21	98.15
71.0	13.7	19.2	17.0	1.74	919.91	0.19	98.33
72.0	12.0	17.1	15.1	1.56	921.47	0.17	98.50
73.0	10.8	15.1	13.3	1.39	922.86	0.15	98.65
74.0	9.6	13.5	11.8	1.24	924.10	0.13	98.78
75.0	8.4	12.0	10.3	1.09	925.19	0.12	98.90
76.0	7.4	10.3	9.0	0.96	926.15	0.10	99.00
77.0	6.5	9.1	7.8	0.84	926.99	0.09	99.09
78.0	5.8	7.9	6.8	0.74	927.73	0.08	99.17
79.0	5.0	7.0	6.0	0.64	928.37	0.07	99.24
80.0	4.3	6.0	5.2	0.56	928.93	0.06	99.30
81.0	3.6	5.3	4.4	0.48	929.42	0.05	99.35
82.0	3.1	4.6	3.8	0.42	929.83	0.04	99.39
83.0	2.6	3.8	3.2	0.36	930.19	0.04	99.43
84.0	2.2	3.4	2.7	0.30	930.49	0.03	99.46
85.0	1.7	2.9	2.1	0.24	930.74	0.03	99.49
86.0	1.2	2.2	1.7	0.20	930.93	0.02	99.51
87.0	1.0	1.7	1.3	0.15	931.08	0.02	99.53
88.0	0.7	1.2	0.9	0.11	931.20	0.01	99.54
89.0	0.5	1.0	0.7	0.08	931.28	0.01	99.55
90.0	0.5	0.7	0.6	0.07	931.35	0.01	99.56
91.0	0.2	0.7	0.5	0.05	931.40	0.01	99.56
92.0	0.2	0.5	0.4	0.05	931.45	0.00	99.57
93.0	0.2	0.5	0.4	0.04	931.49	0.00	99.57
94.0	0.2	0.5	0.4	0.04	931.53	0.00	99.58
95.0	0.2	0.5	0.4	0.04	931.58	0.00	99.58
96.0	0.2	0.5	0.4	0.04	931.62	0.00	99.59
97.0	0.2	0.5	0.4	0.04	931.67	0.00	99.59
98.0	0.2	0.5	0.4	0.04	931.71	0.00	99.60
99.0	0.2	0.5	0.5	0.05	931.76	0.00	99.60
100.0	0.2	0.5	0.4	0.05	931.80	0.00	99.60
101.0	0.2	0.5	0.5	0.04	931.84	0.00	99.61
102.0	0.5	0.5	0.5	0.05	931.89	0.01	99.61
103.0	0.2	0.5	0.5	0.05	931.94	0.01	99.62
104.0	0.2	0.5	0.4	0.04	931.98	0.00	99.62
105.0	0.5	0.5	0.5	0.05	932.03	0.00	99.63
106.0	0.2	0.5	0.5	0.05	932.08	0.01	99.63
107.0	0.5	0.5	0.5	0.05	932.12	0.00	99.64

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Zonal flux 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
108.0	0.2	0.5	0.5	0.05	932.17	0.00	99.64
109.0	0.5	0.5	0.5	0.05	932.22	0.00	99.65
110.0	0.5	0.7	0.5	0.05	932.26	0.01	99.65
111.0	0.5	0.5	0.5	0.05	932.31	0.00	99.66
112.0	0.5	0.7	0.5	0.05	932.36	0.00	99.66
113.0	0.5	0.7	0.5	0.05	932.40	0.01	99.67
114.0	0.5	0.7	0.5	0.05	932.45	0.01	99.67
115.0	0.5	0.7	0.5	0.05	932.50	0.01	99.68
116.0	0.5	0.7	0.5	0.05	932.54	0.01	99.68
117.0	0.5	0.7	0.5	0.05	932.59	0.01	99.69
118.0	0.5	0.7	0.6	0.05	932.64	0.01	99.69
119.0	0.5	0.7	0.6	0.05	932.69	0.01	99.70
120.0	0.5	0.7	0.6	0.05	932.75	0.01	99.71
121.0	0.5	0.7	0.6	0.05	932.80	0.01	99.71
122.0	0.5	0.7	0.6	0.06	932.85	0.01	99.72
123.0	0.5	0.7	0.7	0.06	932.91	0.01	99.72
124.0	0.5	0.7	0.7	0.06	932.97	0.01	99.73
125.0	0.5	0.7	0.7	0.06	933.03	0.01	99.74
126.0	0.5	0.7	0.7	0.06	933.09	0.01	99.74
127.0	0.7	0.7	0.7	0.06	933.15	0.01	99.75
128.0	0.7	0.7	0.7	0.06	933.20	0.01	99.75
129.0	0.7	0.7	0.7	0.06	933.26	0.01	99.76
130.0	0.7	1.0	0.7	0.06	933.32	0.01	99.77
131.0	0.7	1.0	0.8	0.06	933.38	0.01	99.77
132.0	0.7	1.0	0.8	0.06	933.44	0.01	99.78
133.0	0.7	1.0	0.8	0.06	933.49	0.01	99.79
134.0	0.7	1.0	0.8	0.06	933.55	0.01	99.79
135.0	0.7	1.0	0.8	0.06	933.61	0.01	99.80
136.0	0.7	1.0	0.9	0.06	933.67	0.01	99.80
137.0	0.7	1.0	0.9	0.06	933.74	0.01	99.81
138.0	0.7	1.0	0.9	0.06	933.80	0.01	99.82
139.0	0.7	1.0	1.0	0.06	933.87	0.01	99.83
140.0	0.7	1.0	1.0	0.06	933.93	0.01	99.83
141.0	1.0	1.2	1.0	0.06	933.99	0.01	99.84
142.0	1.0	1.2	1.0	0.06	934.05	0.01	99.85
143.0	1.0	1.2	1.0	0.06	934.11	0.01	99.85
144.0	1.0	1.2	1.0	0.06	934.17	0.01	99.86
145.0	1.0	1.2	1.0	0.06	934.24	0.01	99.86
146.0	1.0	1.2	1.1	0.06	934.30	0.01	99.87

LEDVANCE Lighting Co.Ltd.

17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)

Zonal flux 17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi) / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
147.0	1.0	1.2	1.1	0.06	934.36	0.01	99.88
148.0	1.0	1.2	1.2	0.06	934.42	0.01	99.88
149.0	1.0	1.2	1.2	0.06	934.48	0.01	99.89
150.0	1.0	1.2	1.2	0.06	934.54	0.01	99.90
151.0	1.0	1.2	1.2	0.06	934.60	0.01	99.90
152.0	1.0	1.2	1.2	0.06	934.66	0.01	99.91
153.0	1.2	1.2	1.2	0.06	934.71	0.01	99.92
154.0	1.2	1.2	1.2	0.05	934.77	0.01	99.92
155.0	1.2	1.4	1.2	0.05	934.82	0.01	99.93
156.0	1.2	1.2	1.2	0.05	934.87	0.01	99.93
157.0	1.2	1.2	1.2	0.05	934.92	0.01	99.94
158.0	1.2	1.2	1.2	0.05	934.97	0.01	99.94
159.0	1.2	1.2	1.2	0.05	935.02	0.00	99.95
160.0	1.2	1.2	1.2	0.04	935.06	0.00	99.95
161.0	1.2	1.4	1.2	0.04	935.10	0.00	99.96
162.0	1.2	1.2	1.2	0.04	935.14	0.00	99.96
163.0	1.2	1.4	1.2	0.04	935.18	0.00	99.97
164.0	1.2	1.4	1.2	0.04	935.21	0.00	99.97
165.0	1.2	1.4	1.2	0.03	935.24	0.00	99.97
166.0	1.2	1.4	1.2	0.03	935.28	0.00	99.98
167.0	1.2	1.4	1.3	0.03	935.31	0.00	99.98
168.0	1.2	1.4	1.2	0.03	935.33	0.00	99.98
169.0	1.2	1.4	1.2	0.03	935.36	0.00	99.99
170.0	1.2	1.4	1.3	0.02	935.38	0.00	99.99
171.0	1.2	1.4	1.3	0.02	935.40	0.00	99.99
172.0	1.2	1.4	1.3	0.02	935.42	0.00	99.99
173.0	1.2	1.4	1.3	0.02	935.44	0.00	99.99
174.0	1.2	1.4	1.3	0.02	935.46	0.00	100.00
175.0	1.2	1.4	1.3	0.01	935.47	0.00	100.00
176.0	1.2	1.4	1.3	0.01	935.48	0.00	100.00
177.0	1.2	1.4	1.3	0.01	935.49	0.00	100.00
178.0	1.2	1.4	1.3	0.01	935.49	0.00	100.00
179.0	1.2	1.4	1.3	0.00	935.50	0.00	100.00
180.0	1.2	1.4	1.3	0.00	935.50	0.00	100.00

LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17677-Intensity LED RB7 PAR16 100 36Du 9.6W/827 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	935.50 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.052A WI=9.15W PF=0.7671		
Maximum intensity:	1238.772 cd		

Protocol

LiTG-class:	A63									
UTE-class:	1.00 B									
IES-class:	78 - 95 - 99 - 100 - 100									
TM5-class:	BZ1									
Divergences in the plane through maximum intensity:										
						Horizontal		Vertical		
One half peak divergence:						40.1°		39.9°		
Half peak side angle (left):						-18.5°		-20.3°		
Half peak side angle (right):						21.6°		19.6°		
One tenth peak divergence:						94.5°		96.7°		
Tenth peak side angle (left):						-45.2°		-48.6°		
Tenth peak side angle (right):						49.3°		48.1°		
C-planes:										
	0.0°	15.0°	30.0°	45.0°	60.0°	75.0°	90.0°	105.0°	120.0°	135.0°
	150.0°	165.0°	180.0°	195.0°	210.0°	225.0°	240.0°	255.0°	270.0°	285.0°
	300.0°	315.0°	330.0°	345.0°						
Gamma:										
	0.0°	1.0°	2.0°	3.0°	4.0°	5.0°	6.0°	7.0°	8.0°	9.0°
	10.0°	11.0°	12.0°	13.0°	14.0°	15.0°	16.0°	17.0°	18.0°	19.0°
	20.0°	21.0°	22.0°	23.0°	24.0°	25.0°	26.0°	27.0°	28.0°	29.0°
	30.0°	31.0°	32.0°	33.0°	34.0°	35.0°	36.0°	37.0°	38.0°	39.0°
	40.0°	41.0°	42.0°	43.0°	44.0°	45.0°	46.0°	47.0°	48.0°	49.0°
	50.0°	51.0°	52.0°	53.0°	54.0°	55.0°	56.0°	57.0°	58.0°	59.0°
	60.0°	61.0°	62.0°	63.0°	64.0°	65.0°	66.0°	67.0°	68.0°	69.0°
	70.0°	71.0°	72.0°	73.0°	74.0°	75.0°	76.0°	77.0°	78.0°	79.0°
	80.0°	81.0°	82.0°	83.0°	84.0°	85.0°	86.0°	87.0°	88.0°	89.0°
	90.0°	91.0°	92.0°	93.0°	94.0°	95.0°	96.0°	97.0°	98.0°	99.0°
	100.0°	101.0°	102.0°	103.0°	104.0°	105.0°	106.0°	107.0°	108.0°	109.0°
	110.0°	111.0°	112.0°	113.0°	114.0°	115.0°	116.0°	117.0°	118.0°	119.0°
	120.0°	121.0°	122.0°	123.0°	124.0°	125.0°	126.0°	127.0°	128.0°	129.0°
	130.0°	131.0°	132.0°	133.0°	134.0°	135.0°	136.0°	137.0°	138.0°	139.0°
	140.0°	141.0°	142.0°	143.0°	144.0°	145.0°	146.0°	147.0°	148.0°	149.0°
	150.0°	151.0°	152.0°	153.0°	154.0°	155.0°	156.0°	157.0°	158.0°	159.0°
	160.0°	161.0°	162.0°	163.0°	164.0°	165.0°	166.0°	167.0°	168.0°	169.0°
	170.0°	171.0°	172.0°	173.0°	174.0°	175.0°	176.0°	177.0°	178.0°	179.0°
	180.0°									