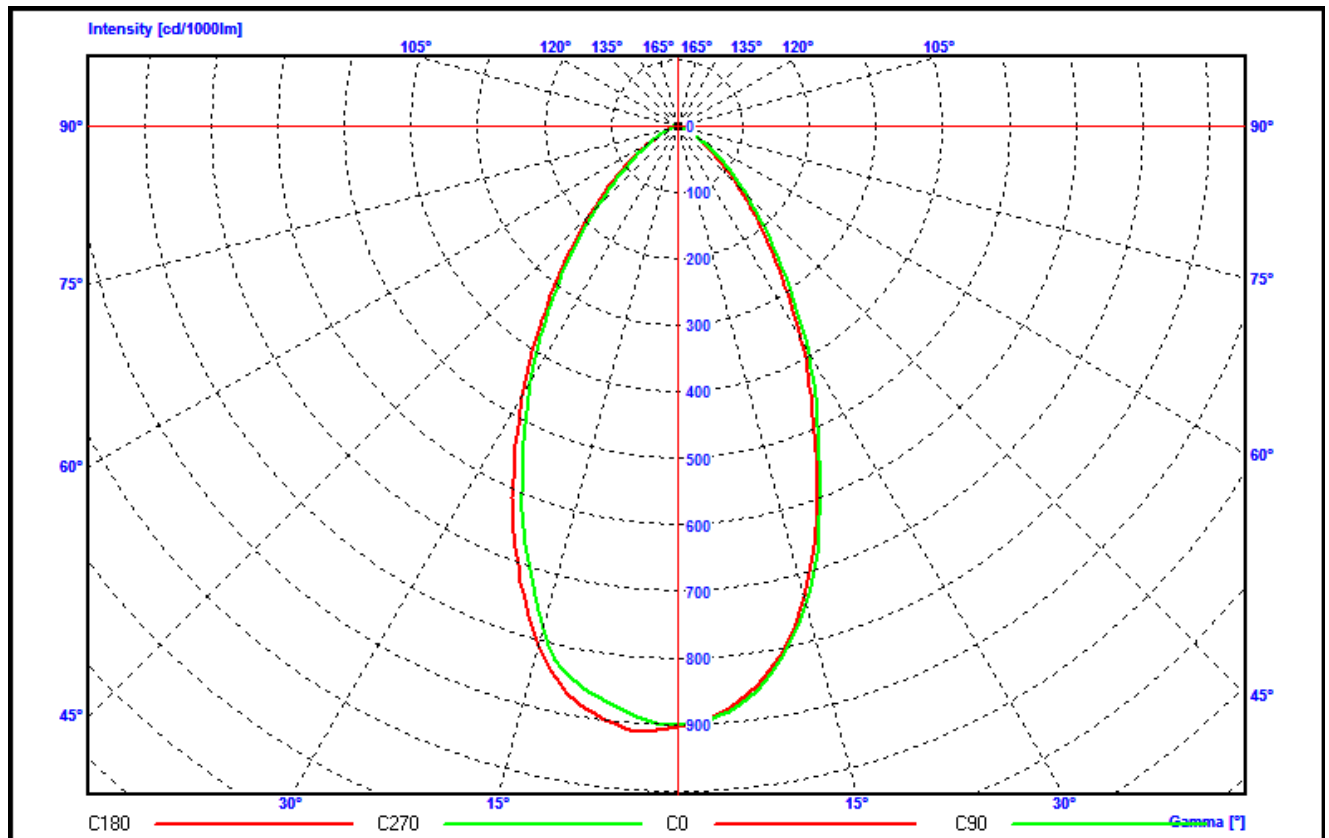


LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	674.31 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.045A WI=7.90W PF=0.7654		
Maximum intensity:	614.330 cd		

Polar diagram 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi) / C-Plane measurement



Program:	Decostar C15 G1 180		
Name:	17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 E		
Meas.-no.:	1		
Flux:	674.31 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.045A		
Maximum intensity:	614.330 cd		

LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	674.31 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.045A WI=7.90W PF=0.7654		
Maximum intensity:	614.330 cd		

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	607.6	608.0	607.6	607.8	607.6	606.9	605.3	607.4	607.4
1.00	606.5	606.2	606.2	606.7	606.0	605.8	604.7	606.7	607.1
2.00	604.2	602.6	603.5	602.9	603.5	603.3	603.1	605.6	606.7
3.00	600.6	599.5	601.5	601.1	600.6	600.4	600.8	603.1	605.1
4.00	596.1	595.2	596.6	595.9	597.0	597.0	597.5	600.4	603.1
5.00	591.4	589.6	592.8	590.7	592.8	592.3	594.3	597.3	600.2
6.00	585.1	584.4	586.2	585.6	586.7	586.5	589.2	593.2	596.4
7.00	578.6	577.3	580.6	579.7	580.8	580.0	583.1	587.8	591.0
8.00	572.8	569.6	574.6	572.8	573.0	572.5	576.4	580.8	584.7
9.00	564.7	562.0	567.4	564.4	565.1	562.9	567.1	572.3	577.9
10.00	554.3	553.7	557.7	556.1	555.9	553.0	557.9	562.4	568.5
11.00	544.4	544.0	547.8	546.5	546.7	543.3	547.8	552.3	558.4
12.00	533.0	532.1	537.3	533.2	535.7	531.6	538.2	543.1	548.7
13.00	521.3	517.9	525.1	519.3	523.6	519.5	527.4	532.1	538.8
14.00	507.1	506.0	509.8	504.2	507.4	505.6	514.1	519.7	526.5
15.00	492.5	492.1	495.2	489.4	492.5	491.0	500.2	506.0	512.1
16.00	478.2	476.6	480.6	473.7	476.4	475.7	485.6	491.0	495.9
17.00	462.2	461.1	465.1	456.1	460.9	460.0	470.7	475.0	480.0
18.00	446.0	444.0	449.2	439.1	443.8	444.7	455.5	458.4	464.9
19.00	429.4	425.6	431.0	421.8	426.5	427.8	439.3	440.9	448.5
20.00	411.0	406.9	413.2	403.1	409.6	409.6	420.2	423.1	431.6
21.00	393.2	388.5	395.0	386.0	392.3	392.1	401.8	405.6	416.1
22.00	375.7	370.5	377.0	368.1	374.6	373.9	384.7	389.2	399.1
23.00	356.8	353.0	359.3	350.8	356.1	356.1	366.5	372.1	381.3
24.00	339.5	335.3	341.3	334.8	339.3	339.1	349.9	355.7	364.9
25.00	324.2	318.2	325.4	319.5	324.5	323.3	334.4	340.0	349.0
26.00	309.4	302.9	311.7	304.5	309.4	308.7	320.6	325.8	334.1
27.00	294.4	286.5	296.4	289.9	293.0	294.1	306.7	311.0	319.5
28.00	280.2	271.9	281.1	275.0	277.5	280.0	293.2	295.3	304.7
29.00	266.0	257.3	266.3	259.5	262.4	265.6	278.9	279.8	290.5
30.00	250.3	243.1	249.4	244.7	248.1	250.8	265.1	265.6	274.8
31.00	234.4	229.4	234.1	231.2	236.4	236.2	250.8	252.3	260.9
32.00	219.8	217.1	220.7	217.7	224.0	221.6	235.0	240.4	248.3
33.00	206.3	202.9	208.5	205.6	211.0	209.2	220.4	228.5	235.7

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	194.1	189.6	196.8	193.9	198.0	198.2	208.1	216.2	223.8
35.00	182.2	177.5	184.9	183.4	185.2	186.5	196.6	204.0	210.3
36.00	170.3	166.5	173.2	172.1	173.9	175.3	185.4	191.2	198.4
37.00	159.5	155.5	162.7	160.7	163.1	164.9	174.8	179.8	187.8
38.00	149.0	145.2	151.9	149.4	153.0	155.0	164.5	168.7	175.9
39.00	139.3	135.3	140.7	138.4	142.9	145.2	153.7	158.0	164.0
40.00	129.4	125.2	130.8	128.3	133.0	135.0	143.6	147.2	153.0
41.00	119.8	116.2	121.6	118.2	123.8	125.4	133.2	137.5	143.1
42.00	111.2	107.4	112.4	109.4	115.0	116.4	124.5	128.3	133.5
43.00	102.9	100.0	103.6	101.6	106.1	108.3	115.7	119.3	123.8
44.00	95.5	92.4	95.9	94.1	98.6	100.9	107.6	111.5	115.3
45.00	88.5	85.4	89.0	87.0	91.0	93.5	99.8	103.4	107.4
46.00	81.8	78.6	81.6	80.4	84.0	86.3	92.8	95.5	99.8
47.00	75.5	72.6	75.3	74.4	76.8	79.5	86.1	87.6	92.6
48.00	69.4	67.2	69.2	68.1	71.0	73.5	79.5	80.7	85.4
49.00	63.6	61.6	63.8	62.7	65.6	67.4	73.3	74.6	79.3
50.00	58.6	56.4	58.9	57.7	60.7	61.8	67.4	69.0	73.7
51.00	54.2	52.1	54.2	53.5	55.5	56.8	62.0	64.0	68.1
52.00	50.1	47.6	49.7	49.2	51.0	52.4	56.8	59.3	62.7
53.00	45.8	43.8	45.6	45.2	47.0	47.9	52.4	54.6	57.5
54.00	42.0	40.2	42.0	41.3	43.4	43.8	48.3	50.1	53.0
55.00	38.6	37.1	38.6	38.0	39.8	40.4	44.0	45.8	48.8
56.00	35.5	34.2	35.5	35.1	36.6	37.1	40.4	42.2	44.9
57.00	32.8	31.5	33.0	32.4	33.5	33.9	36.9	38.6	41.1
58.00	30.3	29.0	30.3	29.7	30.8	31.2	33.9	35.5	37.5
59.00	27.9	26.5	27.9	27.2	28.1	28.8	30.8	32.6	34.4
60.00	25.4	24.0	25.4	24.7	25.6	26.7	28.3	29.9	31.2
61.00	22.9	22.0	23.1	22.5	23.4	24.3	26.1	27.4	28.5
62.00	21.1	20.2	21.1	20.4	21.3	21.8	23.6	24.7	26.1
63.00	19.1	18.7	19.5	18.9	19.5	19.8	21.6	22.5	24.0
64.00	17.8	17.3	18.0	17.5	18.2	18.2	19.5	20.7	22.0
65.00	16.6	16.2	16.6	16.4	16.9	16.9	18.0	18.9	20.4
66.00	15.3	14.6	15.3	15.1	15.5	15.5	16.6	17.5	18.7
67.00	13.9	13.3	14.2	13.9	14.4	14.4	15.3	16.0	17.1
68.00	12.6	11.9	12.8	12.4	12.8	13.0	13.9	14.8	15.7
69.00	11.5	10.8	11.2	11.0	11.5	11.7	12.6	13.3	14.4
70.00	10.3	9.9	10.3	10.1	10.6	10.6	11.2	11.9	12.8
71.00	9.7	9.2	9.7	9.2	9.7	9.7	10.3	10.8	11.7
72.00	8.8	8.5	9.0	8.5	8.8	9.0	9.4	9.9	10.8
73.00	8.1	7.9	8.3	7.9	8.1	8.1	8.8	9.2	9.9
74.00	7.6	7.2	7.6	7.2	7.4	7.4	8.1	8.3	9.0
75.00	7.0	6.7	7.0	6.5	6.7	6.7	7.4	7.6	8.3
76.00	6.3	6.1	6.3	6.1	6.3	6.3	6.7	7.0	7.6

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	5.8	5.4	5.6	5.6	5.6	5.8	6.1	6.3	7.0
78.00	5.2	4.9	5.2	5.2	5.2	5.4	5.6	5.8	6.3
79.00	4.7	4.5	4.7	4.7	4.9	4.9	5.2	5.4	5.8
80.00	4.3	4.0	4.3	4.3	4.3	4.5	4.7	4.9	5.2
81.00	3.8	3.6	3.8	3.6	3.8	4.0	4.3	4.5	4.7
82.00	3.6	3.4	3.4	3.4	3.4	3.6	3.6	4.0	4.3
83.00	3.1	2.9	3.1	2.9	3.1	3.1	3.4	3.6	3.8
84.00	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	3.6
85.00	2.9	2.7	2.7	2.7	2.9	2.9	2.9	3.1	3.4
86.00	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	3.1
87.00	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	3.1
88.00	2.7	2.7	2.7	2.9	2.9	3.1	2.9	2.9	3.1
89.00	2.7	2.7	2.9	2.9	2.9	3.1	3.1	3.1	3.1
90.00	2.7	2.9	2.9	2.9	3.1	3.1	3.1	3.1	3.1
91.00	2.7	2.7	2.9	2.9	3.1	3.1	3.1	3.1	3.1
92.00	2.7	2.5	2.7	2.7	2.9	2.9	3.1	3.1	3.1
93.00	2.5	2.5	2.7	2.7	2.7	2.9	2.9	2.9	2.9
94.00	2.5	2.5	2.7	2.7	2.7	2.9	2.7	2.9	2.9
95.00	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9	2.9
96.00	2.9	2.7	2.9	2.9	2.9	2.9	2.9	2.9	3.1
97.00	2.7	2.7	2.9	2.7	2.7	2.9	2.9	3.1	3.1
98.00	2.7	2.7	2.7	2.7	2.7	2.7	2.9	2.9	3.1
99.00	2.7	2.7	2.7	2.7	2.7	2.7	2.9	2.9	3.1
100.00	2.7	2.7	2.7	2.5	2.5	2.7	2.7	2.9	3.1
101.00	2.7	2.7	2.7	2.5	2.7	2.7	2.9	3.1	3.4
102.00	2.7	2.7	2.5	2.5	2.7	2.7	2.9	3.1	3.4
103.00	2.7	2.7	2.7	2.7	2.7	2.9	2.9	3.1	3.4
104.00	2.7	2.7	2.7	2.7	2.7	2.9	2.9	3.1	3.1
105.00	2.7	2.7	2.7	2.7	2.7	2.9	2.9	3.1	3.1
106.00	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1
107.00	2.9	2.7	2.7	2.9	2.9	3.1	3.1	3.1	3.1
108.00	2.9	2.7	2.7	2.9	2.9	3.1	3.1	3.1	3.1
109.00	2.9	2.7	2.7	2.9	2.9	3.1	3.1	3.4	3.1
110.00	2.9	2.9	2.9	2.9	3.1	3.1	3.1	3.4	3.1
111.00	2.9	2.9	2.9	3.1	3.1	3.1	3.1	3.1	3.1
112.00	2.9	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1
113.00	2.7	2.7	2.9	2.9	2.9	3.1	2.9	2.9	2.9
114.00	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
115.00	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9	2.9
116.00	2.9	2.7	2.7	2.9	2.9	3.1	2.9	2.9	2.9
117.00	2.9	2.7	2.9	2.9	2.9	3.1	2.9	2.9	2.9
118.00	2.9	2.9	2.9	3.1	3.1	3.4	3.1	3.1	3.1
119.00	3.1	3.1	3.1	3.1	3.1	3.6	3.4	3.4	3.4

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	3.4	3.1	3.1	3.4	3.4	4.0	3.8	3.6	3.6
121.00	3.4	3.1	3.4	3.6	3.6	4.0	4.0	3.8	3.8
122.00	3.4	3.4	3.4	3.6	3.8	4.0	4.0	4.0	3.8
123.00	3.4	3.4	3.4	3.6	3.6	4.0	3.8	3.8	4.0
124.00	3.4	3.4	3.4	3.6	3.6	3.8	3.8	3.8	3.8
125.00	3.4	3.4	3.4	3.6	3.6	3.8	3.8	3.8	3.8
126.00	3.6	3.6	3.6	3.8	3.8	3.8	3.8	3.8	3.8
127.00	3.6	3.8	3.6	3.8	3.8	4.0	3.8	3.8	3.8
128.00	3.8	3.8	3.8	4.0	4.0	4.0	4.0	4.0	4.0
129.00	3.8	3.8	3.8	3.8	4.0	4.3	4.0	4.0	4.0
130.00	3.8	3.8	3.8	3.8	4.0	4.3	4.3	4.0	4.0
131.00	3.8	3.6	3.8	3.8	4.0	4.3	4.3	4.3	4.0
132.00	3.6	3.6	3.8	3.8	4.0	4.3	4.0	4.3	4.3
133.00	3.6	3.4	3.6	3.8	4.0	4.0	4.0	4.0	4.3
134.00	3.4	3.4	3.6	3.6	3.8	4.0	3.8	4.0	4.0
135.00	3.4	3.1	3.4	3.4	3.6	3.8	3.8	3.8	4.0
136.00	3.4	3.1	3.1	3.1	3.4	3.6	3.6	3.8	3.8
137.00	3.1	3.1	3.1	3.1	3.1	3.4	3.4	3.6	3.6
138.00	3.1	2.9	2.9	2.9	3.1	3.4	3.4	3.4	3.4
139.00	2.9	2.9	2.9	2.9	3.1	3.4	3.1	3.1	3.4
140.00	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	3.4
141.00	2.9	2.7	2.9	2.9	2.9	3.1	3.1	3.1	3.1
142.00	2.7	2.7	2.9	2.9	2.9	2.9	2.9	3.1	3.1
143.00	2.7	2.7	2.9	2.7	2.9	2.9	2.9	2.9	3.1
144.00	2.7	2.7	2.9	2.9	2.9	2.9	2.9	2.9	3.1
145.00	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9	2.9
146.00	2.7	2.7	2.9	2.9	2.9	2.9	2.9	2.9	3.1
147.00	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1
148.00	2.9	2.9	2.9	3.1	2.9	3.1	2.9	3.1	2.9
149.00	2.9	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150.00	2.9	2.9	3.1	3.4	3.1	3.4	3.1	3.1	3.1
151.00	2.9	2.9	3.1	3.4	3.4	3.4	3.1	3.1	3.1
152.00	2.9	2.9	3.1	3.1	3.4	3.4	3.1	3.1	3.1
153.00	2.7	2.9	3.1	3.1	3.1	3.4	3.1	3.1	3.1
154.00	2.7	2.7	2.9	2.9	3.1	3.1	3.1	3.1	3.1
155.00	2.5	2.7	2.7	2.7	2.9	3.1	2.9	3.1	3.1
156.00	2.5	2.5	2.7	2.5	2.7	2.9	2.9	3.1	3.1
157.00	2.2	2.5	2.5	2.5	2.5	2.7	2.9	2.9	2.9
158.00	2.2	2.0	2.2	2.2	2.5	2.5	2.5	2.7	2.7
159.00	1.8	1.6	1.8	1.6	2.0	2.0	1.6	2.2	2.2
160.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
161.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
164.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
168.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
171.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
173.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
174.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
176.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
178.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
179.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

G/C [cd]	135.00	150.00	165.00	180.00	195.00	210.00	225.00	240.00	255.00
0.00	607.4	606.5	606.9	607.6	608.0	607.6	607.8	607.6	606.9
1.00	607.6	608.0	608.3	609.6	609.8	609.4	610.3	609.8	608.3
2.00	607.4	608.9	609.8	611.2	611.6	611.6	612.1	610.5	608.9
3.00	607.4	609.6	610.7	613.2	613.2	613.0	612.8	610.1	608.0
4.00	604.9	608.9	609.4	613.4	614.3	613.2	613.2	609.6	606.9
5.00	602.0	606.9	606.5	611.9	613.4	611.4	610.5	606.9	604.0
6.00	598.2	602.2	602.4	608.3	610.3	608.9	608.9	603.8	600.6
7.00	593.4	597.7	598.4	604.4	606.5	604.9	605.1	601.1	597.7
8.00	587.1	592.8	593.9	600.4	602.6	599.1	599.7	595.9	593.7
9.00	580.0	587.4	588.7	596.6	597.9	593.7	593.9	590.3	589.6
10.00	570.7	580.0	582.2	591.0	592.1	587.8	587.1	583.8	583.8
11.00	561.1	571.4	574.1	584.7	585.3	580.6	579.3	576.8	577.5
12.00	551.2	562.9	565.8	576.4	577.5	571.0	570.1	568.0	569.6
13.00	541.1	553.7	556.6	566.9	566.9	559.3	561.1	558.8	561.1
14.00	527.8	542.4	545.6	555.7	555.5	548.5	549.4	548.7	551.0
15.00	513.2	528.3	533.2	543.8	543.5	535.2	538.8	536.6	538.8
16.00	496.6	511.9	518.2	531.2	530.5	523.3	527.6	523.3	525.6
17.00	480.9	496.4	502.4	517.3	518.6	512.5	515.0	510.1	510.3
18.00	466.7	480.6	487.6	502.0	506.5	499.5	502.2	496.4	495.0
19.00	452.3	465.4	473.0	487.4	492.8	485.8	488.5	482.0	480.0
20.00	436.6	451.0	457.7	472.1	478.6	470.3	472.8	466.7	465.4
21.00	421.5	436.8	442.2	457.0	464.7	455.2	458.6	451.6	451.4
22.00	404.7	422.7	426.3	442.9	450.1	441.1	443.6	437.3	435.5

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	388.1	406.0	409.2	426.5	435.0	424.5	428.1	421.5	419.1
24.00	370.8	389.9	391.9	411.0	419.1	409.2	413.4	405.1	403.6
25.00	353.9	372.8	375.7	393.4	402.4	392.8	396.6	389.4	387.4
26.00	338.6	356.4	359.5	377.0	385.8	377.5	380.6	374.1	371.0
27.00	324.0	338.8	342.9	360.9	369.2	361.1	365.1	358.6	355.9
28.00	309.2	323.6	327.8	344.0	352.8	346.0	349.4	344.0	341.1
29.00	295.3	308.5	312.8	328.3	336.6	330.5	334.1	329.4	326.9
30.00	281.5	293.7	297.7	314.6	319.7	316.2	319.3	314.4	311.9
31.00	267.6	279.1	283.6	300.2	304.5	301.8	304.7	299.1	297.7
32.00	254.8	264.2	269.2	286.0	288.3	287.4	289.4	282.9	284.5
33.00	240.0	250.5	254.1	271.0	274.8	271.2	274.1	267.2	271.0
34.00	224.7	237.7	240.4	255.7	260.7	256.4	258.4	252.8	255.3
35.00	212.6	225.8	227.6	240.0	244.9	240.7	242.9	239.1	237.5
36.00	200.9	212.1	214.6	226.5	231.4	224.3	229.0	224.5	223.4
37.00	189.0	199.5	202.7	213.9	218.2	212.1	216.8	211.4	210.8
38.00	177.7	187.4	191.9	201.6	204.5	200.4	204.7	199.5	198.6
39.00	166.3	175.9	179.8	189.4	191.7	187.2	192.8	187.0	186.5
40.00	155.3	165.8	168.5	177.7	179.8	175.5	181.1	174.8	175.7
41.00	145.4	155.9	156.8	166.3	168.3	163.8	169.6	162.7	164.9
42.00	135.3	145.8	146.7	156.2	158.2	153.9	158.2	152.8	155.0
43.00	126.3	136.2	136.8	145.2	148.1	143.4	146.5	142.2	143.8
44.00	117.7	127.0	127.2	134.8	138.2	133.2	136.4	132.8	133.7
45.00	109.7	118.4	118.2	125.6	129.0	123.8	127.2	124.0	124.3
46.00	102.0	110.1	109.7	116.8	119.1	114.8	117.7	115.7	115.3
47.00	95.3	101.8	102.0	108.1	110.3	106.1	108.8	107.0	106.7
48.00	88.5	94.4	94.4	99.8	101.3	97.7	99.8	99.1	99.1
49.00	81.8	87.6	87.4	92.1	93.5	90.6	92.1	91.5	92.1
50.00	75.5	81.3	80.4	85.4	86.5	83.4	85.6	84.3	84.9
51.00	69.9	74.8	74.2	78.6	79.5	76.8	78.9	77.5	78.0
52.00	64.3	68.8	68.1	72.6	73.3	70.6	72.6	71.2	71.7
53.00	58.9	63.1	62.7	66.5	67.4	64.9	67.0	65.2	66.1
54.00	54.2	58.2	57.7	61.3	61.8	59.8	61.3	60.2	60.7
55.00	49.9	53.5	53.3	56.4	56.4	54.8	56.4	55.1	55.7
56.00	45.6	49.2	48.8	51.5	51.7	49.9	51.9	50.3	51.0
57.00	41.8	45.2	44.5	47.0	47.4	45.6	47.6	46.3	46.7
58.00	38.2	41.6	40.9	43.1	43.4	41.8	43.8	42.5	42.9
59.00	35.1	38.2	37.5	39.5	39.3	38.2	40.0	38.9	39.1
60.00	31.9	34.8	34.4	36.0	36.0	35.1	36.4	35.7	36.0
61.00	29.2	31.9	31.5	32.8	33.0	31.9	33.5	32.8	33.0
62.00	26.5	29.2	28.5	29.9	30.1	29.0	30.6	30.1	30.1
63.00	24.0	26.5	26.1	27.0	27.4	26.3	27.4	27.2	27.4
64.00	22.0	24.5	23.8	24.5	24.7	23.6	24.7	24.5	24.7
65.00	20.4	22.5	21.8	22.5	22.5	21.6	22.5	22.2	22.7

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	18.9	20.7	20.2	20.9	20.7	20.0	20.9	20.7	20.9
67.00	17.5	19.1	18.7	19.5	19.1	18.7	19.3	19.1	19.3
68.00	16.0	17.5	17.3	18.0	17.8	17.3	18.0	17.8	18.0
69.00	14.6	16.0	15.7	16.4	16.2	15.7	16.6	16.2	16.4
70.00	13.3	14.6	14.4	15.1	14.8	14.4	15.1	14.6	14.8
71.00	11.9	13.3	13.0	13.5	13.3	12.8	13.5	13.3	13.3
72.00	11.0	12.1	11.9	12.1	11.9	11.5	12.1	12.1	12.1
73.00	10.1	11.2	11.0	11.2	11.0	10.6	11.0	11.0	11.2
74.00	9.2	10.3	10.1	10.1	10.1	9.7	10.3	10.1	10.3
75.00	8.5	9.7	9.4	9.4	9.2	9.0	9.2	9.2	9.4
76.00	7.9	8.8	8.8	8.8	8.5	8.1	8.5	8.5	8.8
77.00	7.2	8.1	7.9	8.1	7.9	7.4	7.9	7.9	7.9
78.00	6.5	7.4	7.2	7.4	7.2	6.7	7.2	7.0	7.2
79.00	5.8	6.7	6.5	6.5	6.5	6.1	6.3	6.3	6.3
80.00	5.4	6.1	5.8	5.8	5.6	5.4	5.6	5.6	5.6
81.00	4.9	5.4	5.4	5.4	5.2	4.9	5.2	4.9	5.2
82.00	4.5	4.9	4.9	4.9	4.7	4.5	4.7	4.7	4.7
83.00	4.0	4.7	4.5	4.5	4.3	4.3	4.3	4.3	4.5
84.00	3.8	4.0	4.0	4.0	4.0	3.8	4.0	4.0	4.0
85.00	3.4	3.8	3.8	3.8	3.6	3.6	3.6	3.6	3.8
86.00	3.4	3.6	3.6	3.4	3.4	3.4	3.4	3.4	3.6
87.00	3.4	3.6	3.4	3.4	3.1	3.1	3.1	3.4	3.4
88.00	3.4	3.6	3.4	3.1	3.1	3.1	3.1	3.1	3.4
89.00	3.4	3.6	3.4	3.1	2.9	3.1	3.1	3.1	3.1
90.00	3.4	3.4	3.4	3.1	2.9	2.9	2.9	2.9	3.1
91.00	3.4	3.4	3.4	3.1	2.9	2.9	2.9	2.9	2.9
92.00	3.4	3.4	3.1	2.9	2.9	2.9	2.9	2.9	2.9
93.00	3.1	3.1	3.1	2.9	2.9	2.7	2.7	2.9	2.9
94.00	3.1	3.1	2.9	2.9	2.7	2.7	2.7	2.7	2.9
95.00	3.1	2.9	2.9	2.7	2.7	2.5	2.7	2.7	2.9
96.00	3.1	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9
97.00	3.4	3.1	3.1	2.9	2.9	2.9	2.9	2.9	2.9
98.00	3.4	3.4	3.6	3.4	3.1	3.1	2.9	2.9	2.9
99.00	3.4	3.6	3.6	3.6	3.4	3.1	2.9	2.9	2.9
100.00	3.6	3.6	3.6	3.6	3.4	3.1	2.9	2.9	2.9
101.00	3.6	3.6	3.6	3.6	3.1	2.9	2.9	2.9	2.9
102.00	3.6	3.8	3.6	3.4	3.1	2.9	2.7	2.9	2.9
103.00	3.4	3.6	3.6	3.4	3.1	2.9	2.7	2.9	2.9
104.00	3.4	3.4	3.6	3.4	3.1	2.9	2.7	2.9	2.9
105.00	3.4	3.4	3.4	3.1	2.9	2.7	2.7	2.9	2.9
106.00	3.4	3.4	3.4	3.1	2.9	2.7	2.7	2.9	2.9
107.00	3.1	3.4	3.4	3.1	2.9	2.7	2.7	2.9	2.9
108.00	3.1	3.1	3.4	3.1	2.9	2.5	2.5	2.7	2.9

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	3.1	3.4	3.1	2.9	2.7	2.5	2.5	2.7	2.9
110.00	3.1	3.1	3.1	2.9	2.7	2.7	2.5	2.7	2.9
111.00	3.1	3.1	3.1	2.9	2.7	2.7	2.7	2.7	2.9
112.00	3.1	3.1	3.1	2.9	2.7	2.7	2.7	2.7	2.9
113.00	2.9	3.1	3.1	2.9	2.9	2.7	2.7	2.9	2.9
114.00	2.9	2.9	3.1	2.9	2.9	2.7	2.7	2.9	2.9
115.00	2.9	3.1	3.1	2.9	2.9	2.7	2.9	2.9	2.9
116.00	2.9	3.1	3.1	3.1	2.9	2.7	2.7	2.9	2.9
117.00	3.1	3.1	3.1	2.9	2.9	2.7	2.7	2.9	2.9
118.00	3.1	3.1	3.4	3.1	2.9	2.7	2.7	2.9	2.9
119.00	3.4	3.1	3.4	3.1	2.9	2.7	2.7	2.9	2.9
120.00	3.6	3.4	3.4	3.1	2.9	2.9	2.7	2.9	2.9
121.00	3.8	3.4	3.6	3.1	2.9	2.9	2.9	2.9	3.1
122.00	3.8	3.6	3.6	3.1	2.9	2.9	2.7	2.9	3.1
123.00	3.8	3.6	3.6	3.1	2.9	2.9	2.7	2.9	3.1
124.00	3.8	3.6	3.6	3.1	2.9	2.9	2.7	2.9	3.1
125.00	3.8	3.6	3.6	3.4	2.9	2.9	2.9	2.9	3.1
126.00	3.8	3.6	3.6	3.4	3.1	2.9	2.9	2.9	3.1
127.00	3.8	3.8	3.8	3.4	3.1	2.9	2.9	3.1	3.1
128.00	4.0	3.8	3.8	3.6	3.1	3.1	2.9	3.1	3.1
129.00	4.0	4.0	4.0	3.6	3.4	3.1	3.1	3.4	3.1
130.00	4.0	4.0	4.0	3.6	3.4	3.4	3.4	3.4	3.4
131.00	4.3	4.0	4.0	3.6	3.4	3.4	3.4	3.6	3.6
132.00	4.3	4.0	4.0	3.6	3.4	3.4	3.4	3.6	3.6
133.00	4.3	4.3	4.0	3.6	3.4	3.4	3.4	3.6	3.8
134.00	4.0	4.0	4.0	3.6	3.4	3.4	3.4	3.6	3.6
135.00	4.0	4.0	3.8	3.6	3.4	3.4	3.4	3.6	3.6
136.00	3.8	4.0	3.8	3.6	3.4	3.4	3.4	3.4	3.6
137.00	3.8	3.8	3.8	3.6	3.4	3.1	3.4	3.4	3.6
138.00	3.6	3.8	3.8	3.6	3.4	3.1	3.4	3.4	3.6
139.00	3.4	3.6	3.6	3.4	3.1	3.1	3.1	3.4	3.4
140.00	3.4	3.4	3.4	3.4	3.1	2.9	3.1	3.1	3.4
141.00	3.1	3.4	3.4	3.1	3.1	2.9	3.1	3.1	3.4
142.00	3.1	3.1	3.1	3.1	3.1	2.9	3.1	3.1	3.1
143.00	3.1	3.1	3.1	3.1	2.9	2.9	2.9	3.1	3.1
144.00	3.1	3.1	3.1	2.9	2.9	2.9	2.9	3.1	2.9
145.00	3.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
146.00	3.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.00	3.1	2.9	2.9	2.9	2.9	2.9	2.9	3.1	2.9
148.00	3.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
149.00	3.1	3.1	2.9	2.9	2.9	2.9	2.9	3.1	3.1
150.00	3.1	3.1	3.1	2.9	2.9	2.9	2.9	3.1	3.1
151.00	3.1	3.1	3.1	2.9	2.9	2.9	3.1	3.1	3.1

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	3.1	3.1	3.1	3.1	2.9	2.9	3.1	3.1	3.1
153.00	3.1	3.1	3.1	3.1	3.1	2.9	3.1	3.1	3.1
154.00	3.1	3.1	3.1	2.9	2.9	2.9	3.1	3.1	3.1
155.00	3.1	3.1	3.1	2.9	2.9	2.9	2.9	2.9	3.1
156.00	2.9	2.9	2.9	2.9	2.9	2.7	2.9	2.9	2.9
157.00	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.7
158.00	2.7	2.7	2.5	2.5	2.5	2.2	2.5	2.5	2.5
159.00	2.0	2.2	2.0	1.8	2.0	1.6	2.0	1.6	1.8
160.00	0.9	1.1	1.1	0.9	1.1	0.9	0.9	0.9	0.9
161.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
163.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
164.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
168.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
171.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
173.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
174.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
176.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
178.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
179.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180.00	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

G/C [cd]	270.00	285.00	300.00	315.00	330.00	345.00
0.00	605.3	607.4	607.4	607.4	606.5	606.9
1.00	605.6	607.6	607.1	606.5	605.6	605.6
2.00	604.9	606.7	605.6	605.1	603.5	604.2
3.00	602.2	604.2	603.3	602.6	600.4	600.6
4.00	599.5	601.5	599.3	599.5	596.4	597.5
5.00	595.5	596.6	595.0	594.6	591.6	592.5
6.00	591.0	592.1	590.7	590.3	586.0	587.4
7.00	587.1	588.0	586.9	585.6	580.8	580.6
8.00	583.3	583.8	581.5	581.1	575.5	575.0
9.00	579.3	578.8	576.4	575.7	568.0	567.8
10.00	574.3	573.7	569.4	567.6	558.6	558.8
11.00	567.8	566.2	562.0	557.9	548.0	548.9

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	561.8	560.0	553.9	549.2	537.3	538.2
13.00	553.9	552.3	543.8	537.9	524.9	525.6
14.00	541.1	539.5	529.4	523.3	511.9	512.5
15.00	525.6	524.0	513.2	508.9	498.6	499.1
16.00	510.3	508.7	498.6	494.6	484.7	486.0
17.00	495.9	494.1	484.7	480.9	472.1	472.5
18.00	480.4	477.7	470.3	466.7	457.0	456.8
19.00	464.9	462.7	454.1	452.1	441.1	439.7
20.00	449.8	447.4	438.8	436.6	422.7	422.7
21.00	435.5	431.4	423.6	420.4	404.7	405.4
22.00	420.2	415.0	409.0	404.2	388.7	388.1
23.00	403.3	398.6	392.8	387.4	372.1	369.9
24.00	384.9	382.9	376.6	371.0	355.5	353.7
25.00	369.2	367.2	360.2	355.7	339.5	337.3
26.00	354.4	352.3	345.4	339.3	324.5	322.4
27.00	339.3	337.7	331.2	324.9	309.6	307.6
28.00	326.7	324.9	317.5	309.4	294.1	293.7
29.00	312.6	310.3	303.6	295.5	278.4	279.8
30.00	297.5	293.7	288.5	281.1	262.7	263.3
31.00	282.0	277.1	272.8	266.0	249.2	247.4
32.00	267.8	262.0	258.2	251.2	235.9	232.8
33.00	254.4	248.7	242.2	235.7	223.1	219.1
34.00	240.7	236.2	227.6	221.6	209.6	206.1
35.00	227.4	223.8	212.8	209.0	195.7	193.7
36.00	213.9	210.5	200.4	197.1	182.9	182.2
37.00	201.8	198.4	189.4	185.2	171.4	171.2
38.00	189.6	186.5	178.9	173.0	161.1	160.0
39.00	177.7	174.8	168.1	161.8	151.2	148.5
40.00	166.5	163.1	157.3	151.4	140.7	138.0
41.00	156.2	151.2	147.0	141.6	130.3	128.1
42.00	145.4	140.7	137.1	131.9	121.3	119.1
43.00	135.3	131.2	127.4	122.7	112.8	109.9
44.00	125.6	122.2	118.0	113.7	104.5	101.3
45.00	116.2	113.9	109.2	105.8	96.2	93.5
46.00	107.2	105.4	101.1	98.2	89.0	86.1
47.00	99.1	97.1	93.5	90.8	81.8	79.3
48.00	91.7	89.4	86.5	83.8	75.0	73.3
49.00	84.9	82.9	79.8	77.1	69.4	67.9
50.00	78.4	76.8	73.3	71.2	64.0	62.5
51.00	72.4	71.0	67.4	65.4	59.1	57.3
52.00	66.5	65.2	62.0	60.2	54.4	52.8
53.00	61.1	60.2	56.8	55.1	50.1	49.0
54.00	56.4	55.1	52.6	50.6	46.1	45.2

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	51.9	50.6	48.5	46.5	42.5	41.8
56.00	47.6	46.3	44.5	42.9	39.1	38.4
57.00	43.6	42.5	40.7	39.5	36.2	35.5
58.00	40.2	39.1	37.3	36.4	33.5	32.8
59.00	36.9	35.5	34.4	33.3	30.6	30.1
60.00	33.7	32.6	31.2	30.3	28.1	27.6
61.00	31.2	29.9	28.8	28.1	25.6	25.2
62.00	28.5	27.4	26.3	25.8	23.1	22.9
63.00	25.8	24.9	24.0	23.4	21.1	20.9
64.00	23.6	22.7	22.0	21.6	19.8	19.3
65.00	21.6	20.9	20.2	20.0	18.4	18.0
66.00	20.0	19.1	18.7	18.7	17.1	16.6
67.00	18.4	17.8	17.3	17.1	15.7	15.5
68.00	17.1	16.4	16.0	15.7	14.4	13.9
69.00	15.7	15.1	14.6	14.4	12.8	12.6
70.00	14.2	13.7	13.3	13.0	11.7	11.5
71.00	13.0	12.4	12.1	11.7	10.8	10.3
72.00	11.7	11.2	11.2	10.8	9.9	9.7
73.00	10.8	10.3	10.1	9.9	9.0	8.8
74.00	9.9	9.4	9.2	9.2	8.3	8.1
75.00	9.0	8.5	8.5	8.5	7.6	7.6
76.00	8.3	7.9	7.9	7.6	7.0	7.0
77.00	7.4	7.2	7.0	7.0	6.3	6.3
78.00	6.7	6.5	6.5	6.3	5.6	5.6
79.00	6.1	5.8	5.8	5.6	5.2	4.9
80.00	5.6	5.4	5.4	5.2	4.7	4.5
81.00	4.9	4.9	4.9	4.7	4.5	4.3
82.00	4.7	4.5	4.5	4.5	4.0	3.8
83.00	4.3	4.0	4.0	4.0	3.6	3.6
84.00	4.0	3.8	3.8	3.6	3.4	3.1
85.00	3.8	3.6	3.6	3.4	3.1	2.9
86.00	3.6	3.4	3.4	3.4	3.1	2.9
87.00	3.4	3.4	3.4	3.1	2.9	2.7
88.00	3.1	3.1	3.1	3.1	2.9	2.7
89.00	3.1	2.9	2.9	2.9	2.9	2.7
90.00	3.1	2.9	2.9	2.9	2.9	2.7
91.00	2.9	2.9	2.9	2.9	2.7	2.7
92.00	2.9	2.9	2.9	2.9	2.7	2.7
93.00	2.9	2.7	2.7	2.7	2.7	2.7
94.00	2.9	2.7	2.7	2.7	2.7	2.7
95.00	2.9	2.7	2.7	2.9	2.9	2.7
96.00	2.9	2.7	2.9	2.9	2.9	2.7
97.00	2.9	2.9	2.9	2.9	2.9	2.9

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	2.9	2.9	2.9	2.9	2.9	2.7
99.00	2.9	2.9	2.9	3.1	2.9	2.9
100.00	2.9	2.9	2.9	3.1	2.9	2.9
101.00	2.9	2.9	2.9	2.9	2.9	2.9
102.00	2.9	2.9	2.9	2.9	2.9	2.7
103.00	2.9	2.9	2.9	2.9	2.9	2.9
104.00	2.9	2.9	2.9	2.9	2.9	2.7
105.00	2.9	2.9	2.9	2.9	2.9	2.9
106.00	2.9	2.9	2.9	2.9	2.9	2.9
107.00	2.9	2.9	2.9	2.9	2.9	2.7
108.00	2.9	2.9	2.9	2.9	2.9	2.9
109.00	2.9	2.9	2.9	2.9	2.9	2.9
110.00	2.9	2.7	2.9	2.9	2.9	2.9
111.00	2.9	2.7	2.9	2.9	2.7	2.9
112.00	2.9	2.7	2.9	2.9	2.7	2.9
113.00	2.9	2.7	2.7	2.9	2.7	2.9
114.00	2.9	2.7	2.9	2.9	2.7	2.7
115.00	2.9	2.7	2.9	2.9	2.7	2.7
116.00	2.9	2.7	2.7	2.9	2.9	2.9
117.00	2.9	2.9	2.9	2.9	2.9	2.9
118.00	3.1	2.9	2.9	2.9	2.9	2.9
119.00	3.1	2.9	2.9	2.9	3.1	3.1
120.00	3.1	3.1	3.1	3.1	3.4	3.1
121.00	3.1	3.1	3.1	3.1	3.4	3.4
122.00	3.4	3.1	3.1	3.4	3.4	3.4
123.00	3.4	3.1	3.1	3.4	3.4	3.4
124.00	3.4	3.1	3.1	3.4	3.4	3.4
125.00	3.4	3.1	3.1	3.4	3.4	3.4
126.00	3.4	3.1	3.4	3.4	3.6	3.4
127.00	3.4	3.1	3.4	3.6	3.6	3.6
128.00	3.4	3.4	3.6	3.6	3.8	3.6
129.00	3.6	3.6	3.6	3.8	3.8	3.8
130.00	3.8	3.6	3.6	3.8	3.8	3.8
131.00	3.8	3.6	3.6	3.8	3.8	3.8
132.00	3.8	3.6	3.6	3.8	3.8	3.6
133.00	3.8	3.6	3.6	3.6	3.6	3.6
134.00	3.8	3.6	2.5	3.4	3.6	3.4
135.00	3.8	3.6	1.6	1.8	3.4	3.4
136.00	3.6	3.4	2.0	1.1	3.1	3.1
137.00	3.6	3.4	2.0	2.7	2.9	3.1
138.00	3.6	3.4	2.0	3.4	2.7	3.1
139.00	3.6	3.4	2.0	3.1	2.2	2.9
140.00	3.4	3.1	2.5	3.1	1.8	2.9

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Intensity [cd] 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	3.4	3.1	2.2	2.9	1.8	2.7
142.00	3.1	3.1	2.0	2.9	2.0	2.7
143.00	3.1	2.9	2.0	2.9	2.5	2.5
144.00	2.9	2.9	2.0	2.9	2.5	2.5
145.00	2.9	2.9	2.0	2.7	2.7	2.5
146.00	2.9	2.9	2.0	2.9	2.7	2.5
147.00	2.9	2.9	2.2	2.7	2.7	2.5
148.00	2.9	2.9	2.5	2.7	2.7	2.5
149.00	2.9	2.9	2.5	2.7	2.9	2.5
150.00	3.1	2.9	2.7	2.7	2.7	2.5
151.00	3.1	2.9	2.7	2.5	2.7	2.5
152.00	3.1	2.9	2.7	2.5	2.7	2.5
153.00	3.1	2.9	2.5	2.7	2.7	2.5
154.00	3.1	2.9	2.0	2.7	2.7	2.5
155.00	3.1	2.7	2.0	2.5	2.7	2.2
156.00	2.9	2.7	1.8	2.5	2.5	2.2
157.00	2.7	2.5	1.8	2.2	2.2	2.2
158.00	2.5	2.2	1.6	2.0	2.0	2.0
159.00	2.0	1.6	1.1	1.6	1.3	1.6
160.00	1.1	0.9	0.9	0.9	0.9	1.1
161.00	0.9	0.9	0.9	0.9	0.9	0.9
162.00	0.9	0.9	0.9	0.9	0.9	0.9
163.00	0.9	0.9	0.9	0.9	0.9	0.9
164.00	0.9	0.9	0.9	0.9	0.9	0.9
165.00	0.9	0.9	0.9	0.9	0.9	0.9
166.00	0.9	0.9	0.9	0.9	0.9	0.9
167.00	0.9	0.9	0.9	0.9	0.9	0.9
168.00	0.9	0.9	0.9	0.9	0.9	0.9
169.00	0.9	0.9	0.9	0.9	0.9	0.9
170.00	0.9	0.9	0.9	0.9	0.9	0.9
171.00	0.9	0.9	0.9	0.9	0.9	0.9
172.00	0.9	0.9	0.9	0.9	0.9	0.9
173.00	0.9	0.9	0.9	0.9	0.9	0.9
174.00	0.9	0.9	0.9	0.9	0.9	0.9
175.00	0.9	0.9	0.9	0.9	0.9	0.9
176.00	0.9	0.9	0.9	0.9	0.9	0.9
177.00	0.9	0.9	0.9	0.9	0.9	0.9
178.00	0.9	0.9	0.9	0.9	0.9	0.9
179.00	0.9	0.9	0.9	0.9	0.9	0.9
180.00	0.9	0.9	0.9	0.9	0.9	0.9

LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	674.31 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.045A WI=7.90W PF=0.7654		
Maximum intensity:	614.330 cd		

Zonal flux 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	897.7	901.7	900.5	0.00	0.00	0.00	0.00
1.0	896.7	905.0	900.6	0.58	0.58	0.09	0.09
2.0	893.7	907.7	899.5	1.74	2.32	0.26	0.34
3.0	889.1	909.4	897.5	2.90	5.22	0.43	0.77
4.0	882.7	911.0	893.9	4.04	9.26	0.60	1.37
5.0	874.4	909.7	888.6	5.17	14.44	0.77	2.14
6.0	866.7	905.0	882.0	6.27	20.71	0.93	3.07
7.0	856.1	899.4	874.8	7.35	28.06	1.09	4.16
8.0	844.7	893.7	866.5	8.40	36.47	1.25	5.41
9.0	833.4	886.7	856.9	9.42	45.88	1.40	6.80
10.0	820.1	878.1	845.3	10.39	56.27	1.54	8.35
11.0	805.7	868.1	832.5	11.30	67.58	1.68	10.02
12.0	788.4	856.4	818.5	12.17	79.75	1.80	11.83
13.0	768.1	840.7	802.6	12.97	92.72	1.92	13.75
14.0	747.8	824.1	783.7	13.69	106.41	2.03	15.78
15.0	725.8	806.4	763.2	14.32	120.73	2.12	17.90
16.0	702.4	787.8	741.8	14.87	135.60	2.21	20.11
17.0	676.5	769.1	720.2	15.35	150.95	2.28	22.39
18.0	651.1	751.1	697.7	15.76	166.72	2.34	24.72
19.0	625.5	730.8	674.3	16.10	182.81	2.39	27.11
20.0	597.8	709.8	649.9	16.34	199.15	2.42	29.53
21.0	572.5	689.1	626.0	16.52	215.67	2.45	31.98
22.0	545.8	667.5	602.0	16.64	232.31	2.47	34.45
23.0	520.2	645.1	576.8	16.68	248.99	2.47	36.93
24.0	496.5	621.5	552.3	16.65	265.64	2.47	39.39
25.0	471.9	596.8	528.4	16.57	282.21	2.46	41.85
26.0	449.2	572.2	505.8	16.46	298.67	2.44	44.29
27.0	424.9	547.5	483.1	16.31	314.99	2.42	46.71
28.0	403.2	523.2	461.2	16.12	331.11	2.39	49.10
29.0	381.5	499.2	439.3	15.89	346.99	2.36	51.46

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Zonal flux 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	360.6	474.2	417.0	15.59	362.58	2.31	53.77
31.0	340.2	451.9	395.4	15.24	377.82	2.26	56.03
32.0	321.9	429.2	374.4	14.87	392.69	2.21	58.24
33.0	300.9	407.5	353.8	14.47	407.16	2.15	60.38
34.0	281.2	386.5	333.8	14.03	421.19	2.08	62.46
35.0	263.3	363.2	314.2	13.57	434.76	2.01	64.47
36.0	246.9	343.2	295.4	13.09	447.85	1.94	66.42
37.0	230.6	323.6	278.1	12.61	460.46	1.87	68.29
38.0	215.3	303.6	261.3	12.14	472.60	1.80	70.09
39.0	200.6	285.9	244.5	11.64	484.24	1.73	71.81
40.0	185.6	268.6	228.4	11.12	495.36	1.65	73.46
41.0	172.3	251.6	213.0	10.60	505.96	1.57	75.03
42.0	159.3	234.6	198.7	10.09	516.05	1.50	76.53
43.0	148.3	219.6	184.7	9.58	525.62	1.42	77.95
44.0	137.0	204.9	171.7	9.07	534.69	1.35	79.29
45.0	126.6	191.3	159.4	8.58	543.27	1.27	80.57
46.0	116.6	176.6	147.6	8.10	551.37	1.20	81.77
47.0	107.6	163.6	136.4	7.62	558.99	1.13	82.90
48.0	99.6	150.3	125.9	7.15	566.14	1.06	83.96
49.0	91.3	138.6	116.3	6.71	572.84	0.99	84.95
50.0	83.6	128.3	107.4	6.29	579.13	0.93	85.89
51.0	77.3	118.0	98.9	5.89	585.02	0.87	86.76
52.0	70.6	108.6	91.0	5.50	590.52	0.82	87.57
53.0	65.0	100.0	83.7	5.12	595.64	0.76	88.33
54.0	59.6	91.6	76.9	4.77	600.41	0.71	89.04
55.0	55.0	83.6	70.7	4.44	604.86	0.66	89.70
56.0	50.7	77.0	64.9	4.13	608.99	0.61	90.31
57.0	46.7	70.6	59.6	3.84	612.83	0.57	90.88
58.0	43.0	65.0	54.7	3.56	616.39	0.53	91.41
59.0	39.3	59.3	50.1	3.30	619.69	0.49	91.90
60.0	35.7	54.0	45.8	3.05	622.75	0.45	92.35
61.0	32.7	49.7	41.9	2.82	625.57	0.42	92.77
62.0	30.0	45.3	38.2	2.60	628.18	0.39	93.16
63.0	27.7	40.7	34.8	2.39	630.57	0.36	93.51
64.0	25.7	36.7	31.8	2.20	632.78	0.33	93.84
65.0	24.0	33.7	29.3	2.04	634.82	0.30	94.14
66.0	21.7	31.0	27.1	1.90	636.71	0.28	94.42
67.0	19.7	29.0	25.0	1.76	638.48	0.26	94.69
68.0	17.7	26.7	22.9	1.64	640.12	0.24	94.93

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Zonal flux 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	16.0	24.7	20.8	1.50	641.62	0.22	95.15
70.0	14.7	22.3	18.9	1.38	643.00	0.20	95.36
71.0	13.7	20.0	17.2	1.26	644.25	0.19	95.54
72.0	12.7	18.0	15.7	1.15	645.41	0.17	95.71
73.0	11.7	16.7	14.4	1.06	646.47	0.16	95.87
74.0	10.7	15.3	13.2	0.98	647.45	0.15	96.02
75.0	9.7	14.3	12.2	0.91	648.36	0.13	96.15
76.0	9.0	13.0	11.2	0.84	649.19	0.12	96.27
77.0	8.0	12.0	10.2	0.77	649.96	0.11	96.39
78.0	7.3	11.0	9.3	0.70	650.66	0.10	96.49
79.0	6.7	10.0	8.4	0.64	651.30	0.09	96.59
80.0	6.0	9.0	7.6	0.58	651.88	0.09	96.67
81.0	5.3	8.0	6.9	0.53	652.40	0.08	96.75
82.0	5.0	7.3	6.3	0.48	652.88	0.07	96.82
83.0	4.3	7.0	5.7	0.44	653.32	0.06	96.89
84.0	4.3	6.0	5.3	0.40	653.72	0.06	96.95
85.0	4.0	5.7	4.9	0.38	654.10	0.06	97.00
86.0	4.0	5.3	4.7	0.36	654.45	0.05	97.06
87.0	4.0	5.3	4.6	0.34	654.80	0.05	97.11
88.0	4.0	5.3	4.6	0.34	655.14	0.05	97.16
89.0	4.0	5.3	4.5	0.34	655.47	0.05	97.21
90.0	4.0	5.0	4.5	0.33	655.80	0.05	97.26
91.0	4.0	5.0	4.4	0.33	656.13	0.05	97.30
92.0	3.7	5.0	4.3	0.32	656.46	0.05	97.35
93.0	3.7	4.7	4.2	0.31	656.77	0.05	97.40
94.0	3.7	4.7	4.1	0.31	657.08	0.05	97.44
95.0	3.7	4.7	4.2	0.31	657.39	0.05	97.49
96.0	4.0	4.7	4.2	0.31	657.70	0.05	97.54
97.0	4.0	5.0	4.4	0.32	658.01	0.05	97.58
98.0	4.0	5.3	4.4	0.32	658.33	0.05	97.63
99.0	4.0	5.3	4.5	0.32	658.66	0.05	97.68
100.0	3.7	5.3	4.4	0.33	658.98	0.05	97.73
101.0	3.7	5.3	4.5	0.32	659.31	0.05	97.77
102.0	3.7	5.7	4.4	0.32	659.63	0.05	97.82
103.0	4.0	5.3	4.4	0.32	659.95	0.05	97.87
104.0	4.0	5.3	4.4	0.32	660.27	0.05	97.92
105.0	4.0	5.0	4.4	0.31	660.58	0.05	97.96
106.0	4.0	5.0	4.4	0.31	660.89	0.05	98.01
107.0	4.0	5.0	4.4	0.31	661.20	0.05	98.06

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Zonal flux 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	3.7	5.0	4.4	0.31	661.51	0.05	98.10
109.0	3.7	5.0	4.3	0.31	661.82	0.05	98.15
110.0	3.7	5.0	4.4	0.30	662.12	0.05	98.19
111.0	4.0	4.7	4.4	0.30	662.42	0.04	98.24
112.0	4.0	4.7	4.4	0.30	662.73	0.04	98.28
113.0	4.0	4.7	4.3	0.29	663.02	0.04	98.33
114.0	4.0	4.7	4.2	0.29	663.31	0.04	98.37
115.0	4.0	4.7	4.3	0.29	663.59	0.04	98.41
116.0	4.0	4.7	4.3	0.29	663.88	0.04	98.45
117.0	4.0	4.7	4.3	0.29	664.17	0.04	98.50
118.0	4.0	5.0	4.5	0.29	664.46	0.04	98.54
119.0	4.0	5.3	4.6	0.30	664.75	0.04	98.58
120.0	4.0	6.0	4.8	0.30	665.06	0.05	98.63
121.0	4.3	6.0	5.0	0.31	665.37	0.05	98.67
122.0	4.0	6.0	5.1	0.32	665.69	0.05	98.72
123.0	4.0	6.0	5.0	0.32	666.00	0.05	98.77
124.0	4.0	5.7	5.0	0.31	666.31	0.05	98.81
125.0	4.3	5.7	5.0	0.31	666.62	0.05	98.86
126.0	4.3	5.7	5.2	0.31	666.93	0.05	98.90
127.0	4.3	6.0	5.2	0.31	667.23	0.05	98.95
128.0	4.3	6.0	5.4	0.31	667.55	0.05	99.00
129.0	4.7	6.3	5.6	0.32	667.87	0.05	99.04
130.0	5.0	6.3	5.6	0.32	668.18	0.05	99.09
131.0	5.0	6.3	5.7	0.32	668.50	0.05	99.14
132.0	5.0	6.3	5.6	0.31	668.81	0.05	99.18
133.0	5.0	6.3	5.6	0.31	669.12	0.05	99.23
134.0	3.7	6.0	5.4	0.29	669.41	0.04	99.27
135.0	2.3	6.0	5.1	0.28	669.69	0.04	99.31
136.0	1.7	6.0	4.9	0.26	669.95	0.04	99.35
137.0	3.0	5.7	4.9	0.25	670.20	0.04	99.39
138.0	3.0	5.7	4.8	0.24	670.44	0.04	99.43
139.0	3.0	5.3	4.7	0.23	670.68	0.03	99.46
140.0	2.7	5.0	4.5	0.22	670.90	0.03	99.49
141.0	2.7	5.0	4.4	0.21	671.11	0.03	99.52
142.0	3.0	4.7	4.3	0.20	671.31	0.03	99.55
143.0	3.0	4.7	4.3	0.19	671.51	0.03	99.58
144.0	3.0	4.7	4.3	0.19	671.69	0.03	99.61
145.0	3.0	4.7	4.2	0.18	671.88	0.03	99.64
146.0	3.0	4.7	4.2	0.18	672.05	0.03	99.66

LEDVANCE Lighting Co.Ltd.

17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)

Zonal flux 17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 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	3.3	4.7	4.3	0.17	672.23	0.03	99.69
148.0	3.7	4.7	4.3	0.17	672.40	0.03	99.72
149.0	3.7	4.7	4.4	0.17	672.56	0.02	99.74
150.0	3.7	5.0	4.5	0.17	672.73	0.02	99.77
151.0	3.7	5.0	4.5	0.16	672.89	0.02	99.79
152.0	3.7	5.0	4.5	0.16	673.05	0.02	99.81
153.0	3.7	5.0	4.5	0.15	673.21	0.02	99.84
154.0	3.0	4.7	4.4	0.15	673.35	0.02	99.86
155.0	3.0	4.7	4.2	0.14	673.49	0.02	99.88
156.0	2.7	4.7	4.1	0.13	673.61	0.02	99.90
157.0	2.7	4.3	3.8	0.12	673.73	0.02	99.91
158.0	2.3	4.0	3.5	0.10	673.83	0.02	99.93
159.0	1.7	3.3	2.7	0.08	673.92	0.01	99.94
160.0	1.3	1.7	1.4	0.05	673.97	0.01	99.95
161.0	1.3	1.3	1.3	0.03	674.00	0.01	99.95
162.0	1.3	1.3	1.3	0.03	674.04	0.00	99.96
163.0	1.3	1.3	1.3	0.03	674.07	0.00	99.96
164.0	1.3	1.3	1.3	0.03	674.09	0.00	99.97
165.0	1.3	1.3	1.3	0.03	674.12	0.00	99.97
166.0	1.3	1.3	1.3	0.02	674.14	0.00	99.98
167.0	1.3	1.3	1.3	0.02	674.17	0.00	99.98
168.0	1.3	1.3	1.3	0.02	674.19	0.00	99.98
169.0	1.3	1.3	1.3	0.02	674.21	0.00	99.98
170.0	1.3	1.3	1.3	0.02	674.23	0.00	99.99
171.0	1.3	1.3	1.3	0.02	674.24	0.00	99.99
172.0	1.3	1.3	1.3	0.01	674.26	0.00	99.99
173.0	1.3	1.3	1.3	0.01	674.27	0.00	99.99
174.0	1.3	1.3	1.3	0.01	674.28	0.00	100.00
175.0	1.3	1.3	1.3	0.01	674.29	0.00	100.00
176.0	1.3	1.3	1.3	0.01	674.30	0.00	100.00
177.0	1.3	1.3	1.3	0.01	674.30	0.00	100.00
178.0	1.3	1.3	1.3	0.00	674.31	0.00	100.00
179.0	1.3	1.3	1.3	0.00	674.31	0.00	100.00
180.0	1.3	1.3	1.3	0.00	674.31	0.00	100.00

LEDVANCE Lighting Co.Ltd.

PHOTOMETRIC RESULTS

Program:	Decostar C15 G1 180		
Name:	17330-Intensity LED RB7 PAR16 80 60Du 8.3W/927 M2 EMEA-1#(Wang yuxi)		
Meas.-no.:	1		
Flux:	674.31 lm		Operator: Thomas.liu
Comment:	UI=230.00V II=0.045A WI=7.90W PF=0.7654		
Maximum intensity:	614.330 cd		

Protocol

LiTG-class:	A62									
UTE-class:	0.97 B + 0.03 T									
IES-class:	78 - 95 - 99 - 97 - 100									
TM5-class:	BZ1									
Divergences in the plane through maximum intensity:				Horizontal			Vertical			
One half peak divergence:				56.9°			56.7°			
Half peak side angle (left):				-29.7°			-30.6°			
Half peak side angle (right):				27.3°			26.2°			
One tenth peak divergence:				104.4°			103.5°			
Tenth peak side angle (left):				-53.1°			-54.0°			
Tenth peak side angle (right):				51.3°			49.5°			
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°									