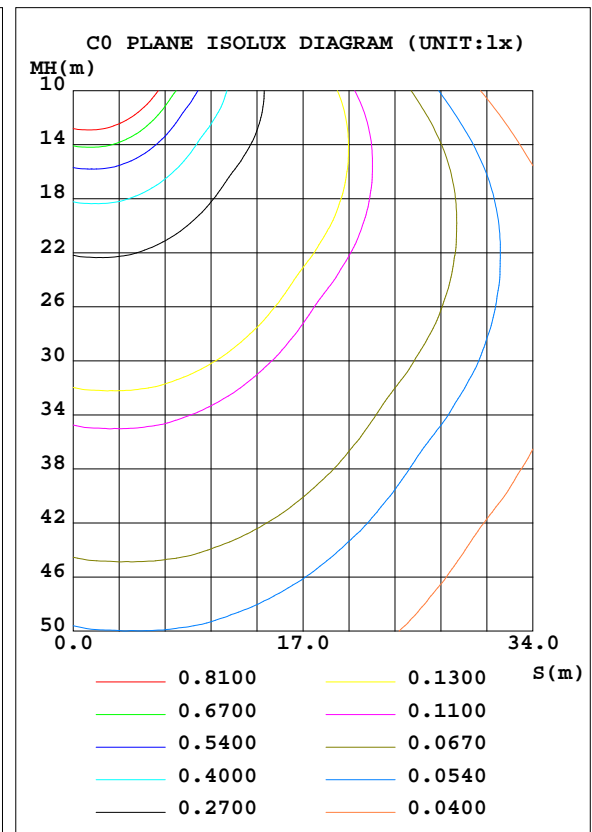
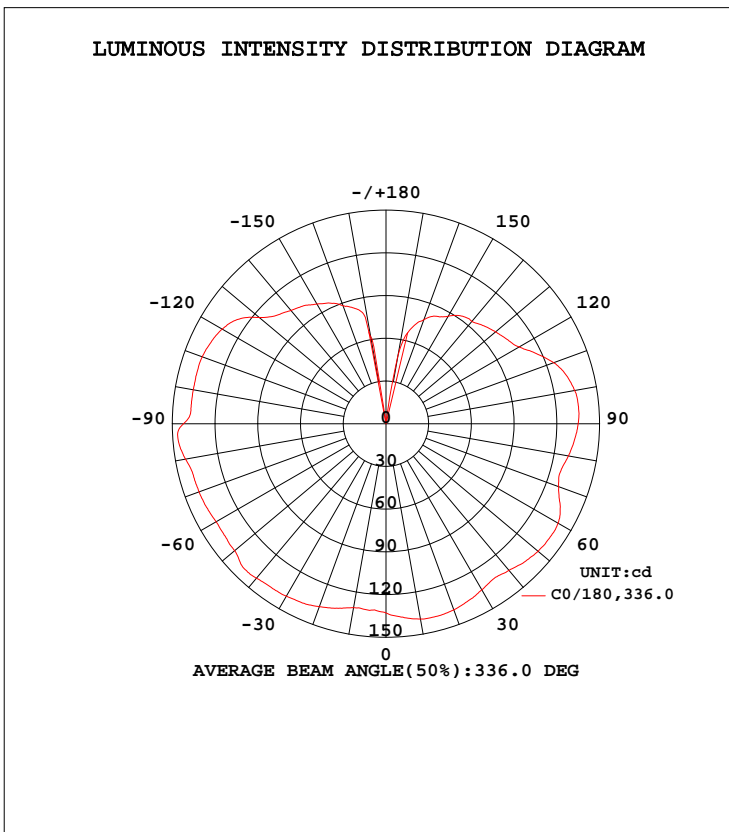


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.0411A P:8.656W PF:0.9156 Freq:49.99Hz Lamp Flux:1071.09x1 lm		
NAME: 9aSA-RS1060ST-Q1D-04	TYPE:LED	WEIGHT:
SPEC.:9aSA-RS1060ST-Q1D-04 230V50HZ	DIM.:	SERIAL No.:C2025910A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.74 lm/W			
MODEL		I <sub>max</sub> (cd)	146.6	S/MH(C0/180)	1.62
NOMINAL POWER(W)	8.5	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1071.1	η UP, DN(C0-180)	21.4, 28.9
NOMINAL FLUX(lm)	1071.09	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	20.7, 29.1
LAMPS INSIDE	1	η up(%)	42.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	58.0	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 肖春梅  
Test Date: 2020-07-07

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 4.950m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	139.3	137.7	135.0	133.2	131.2	130.5	134.5	138.9	0- 10	12.93	12.93	1.21,1.21
20	139.2	135.3	127.6	124.5	136.7	129.6	126.4	133.3	10- 20	37.75	50.68	4.73,4.73
30	134.6	127.0	115.7	119.4	139.8	128.0	111.8	122.5	20- 30	59.18	109.9	10.3,10.3
40	134.4	115.7	97.87	114.0	141.6	123.1	92.36	109.6	30- 40	75.41	185.3	17.3,17.3
50	139.4	112.1	74.41	105.9	138.7	114.6	70.97	102.3	40- 50	86.46	271.7	25.4,25.4
60	139.6	107.7	49.50	93.95	137.8	102.7	48.42	92.84	50- 60	91.20	362.9	33.9,33.9
70	128.9	90.79	25.05	81.43	139.7	98.13	26.99	74.01	60- 70	89.17	452.1	42.2,42.2
80	130.2	86.14	7.144	78.32	143.0	93.53	9.095	69.08	70- 80	84.48	536.6	50.1,50.1
90	134.9	90.63	2.456	75.15	142.2	89.03	2.422	70.02	80- 90	84.34	620.9	58,58
100	134.6	87.99	4.682	78.38	137.5	91.39	4.614	62.64	90-100	82.74	703.6	65.7,65.7
110	125.4	79.90	6.311	86.22	137.4	94.46	12.44	60.57	100-110	80.42	784.1	73.2,73.2
120	108.0	78.21	7.884	89.91	132.9	92.55	22.11	59.68	110-120	74.86	858.9	80.2,80.2
130	100.5	77.50	15.65	86.56	116.1	85.89	31.25	57.79	120-130	66.39	925.3	86.4,86.4
140	93.93	74.41	24.88	88.28	103.9	85.92	39.50	50.52	130-140	55.40	980.7	91.6,91.6
150	87.13	67.50	35.79	87.77	97.10	84.23	46.68	48.98	140-150	43.73	1024	95.6,95.6
160	77.76	54.18	43.65	81.53	88.20	81.14	51.73	32.74	150-160	30.39	1055	98.5,98.5
170	48.27	17.76	1.935	61.11	62.00	57.93	6.190	11.27	160-170	15.21	1070	99.9,99.9
180	1.736	1.624	1.485	1.771	1.736	1.638	1.482	1.765	170-180	1.045	1071	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 227.47 lm

%lum = 21.2%  
%lamp = 21.2%

Conical surface Flux(120deg): 362.92 lm

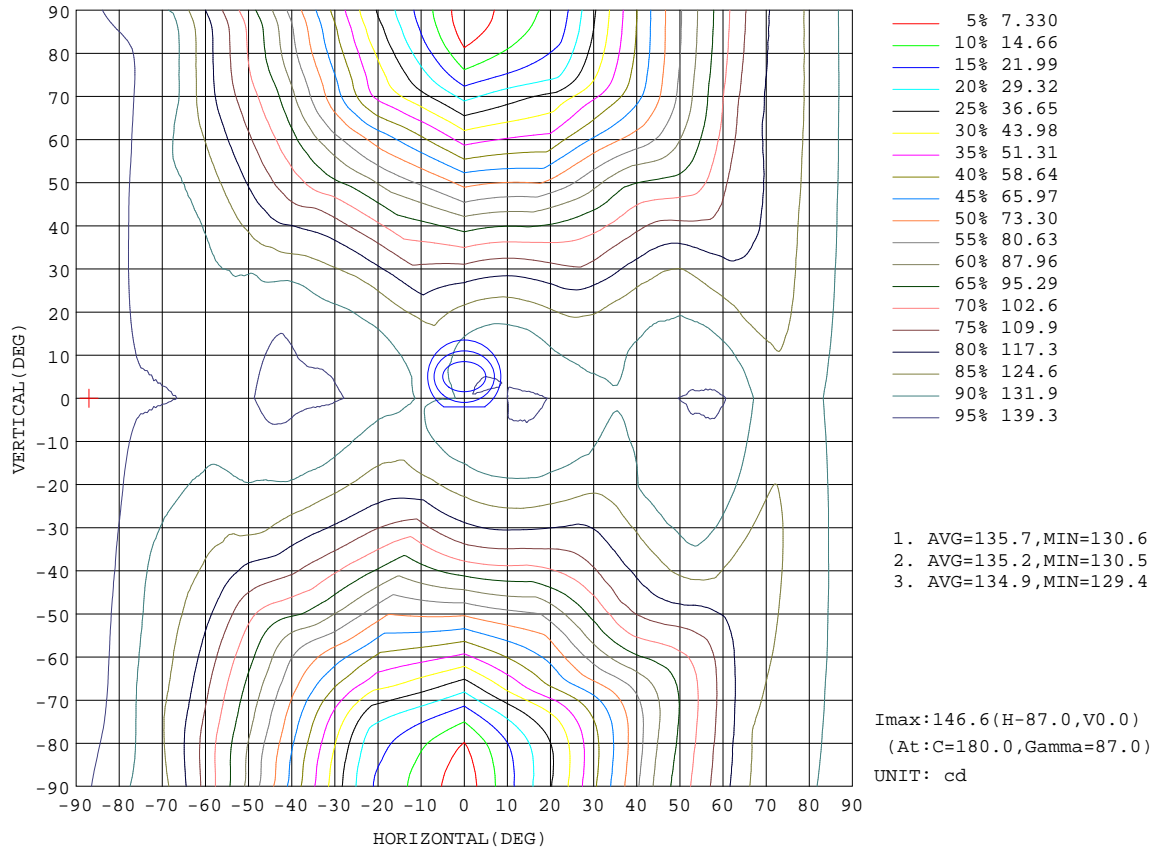
%lum = 33.9%  
%lamp = 33.9%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:肖春梅  
Test Date:2020-07-07

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.0V I:0.0411A P:8.656W PF:0.9156 Freq:49.99Hz Lamp Flux:1071.09x1 lm		
NAME: 9aSA-RS1060ST-Q1D-04	TYPE:LED	WEIGHT:
SPEC.:9aSA-RS1060ST-Q1D-04 230V50HZ	DIM.:	SERIAL No.:C2025910A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

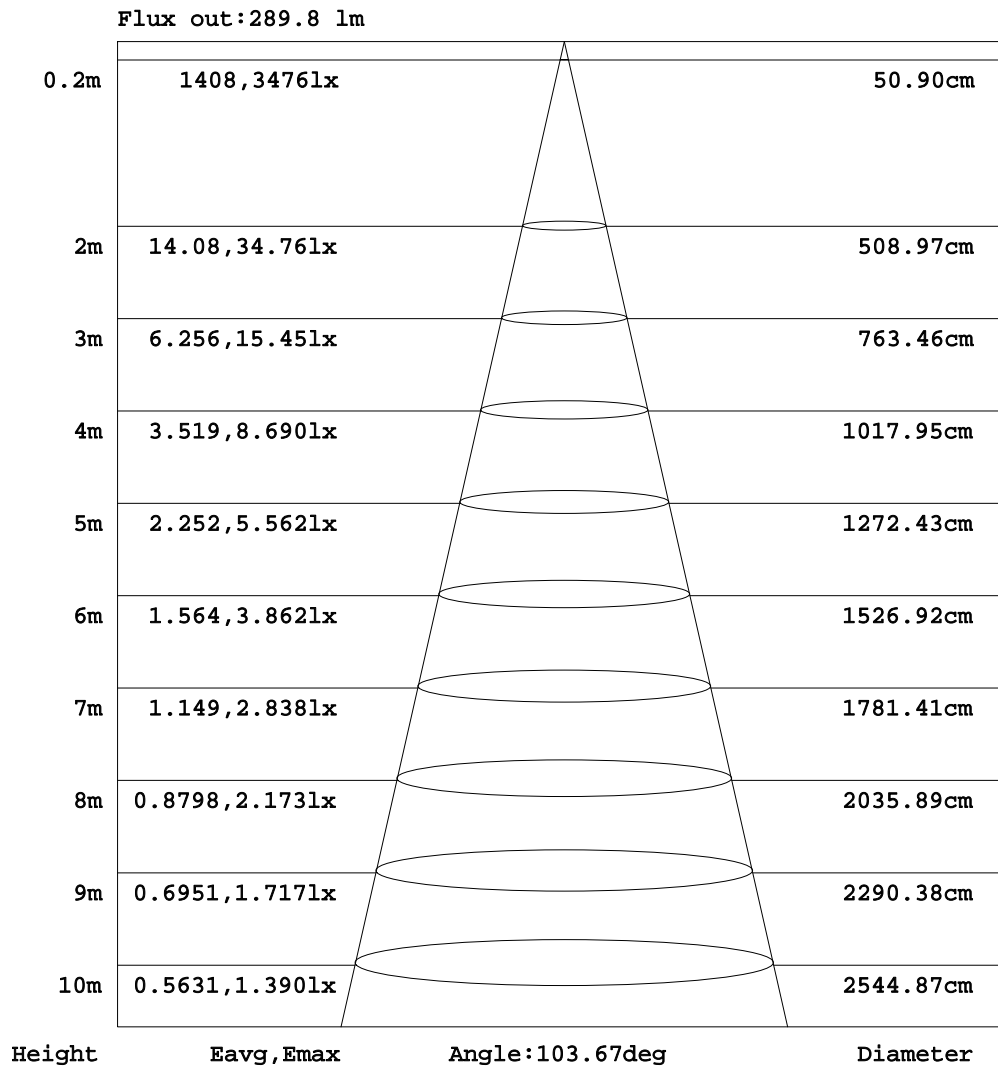


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:肖春梅  
 Test Date:2020-07-07

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:230.0V I:0.0411A P:8.656W PF:0.9156 Freq:49.99Hz Lamp Flux:1071.09x1 lm		
NAME: 9aSA-RS1060ST-Q1D-04	TYPE:LED	WEIGHT:
SPEC.:9aSA-RS1060ST-Q1D-04 230V50HZ	DIM.:	SERIAL No.:C2025910A001
MFR.: EVERFINE	SUR.:	Shielding Angle:



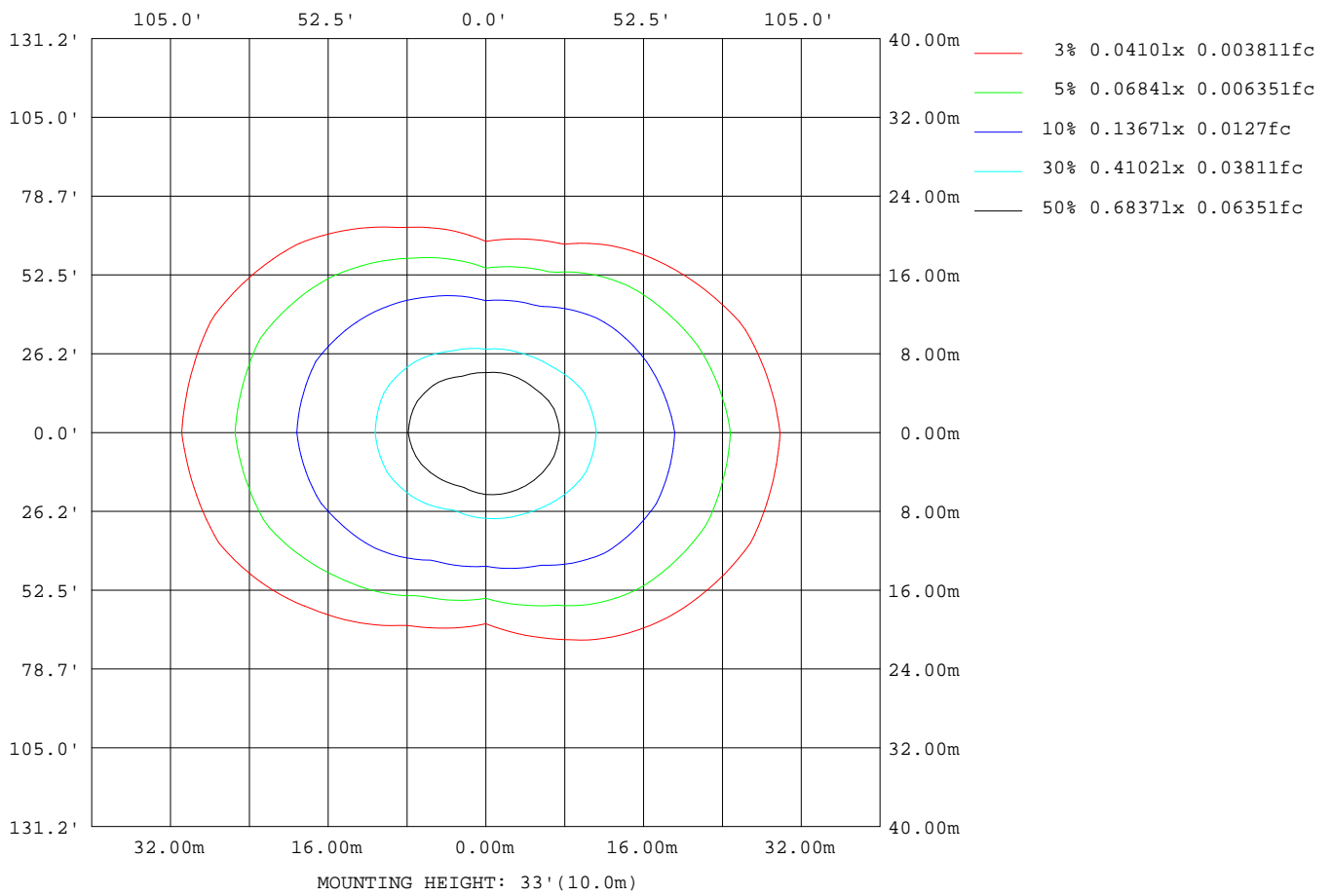
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:肖春梅  
 Test Date:2020-07-07

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

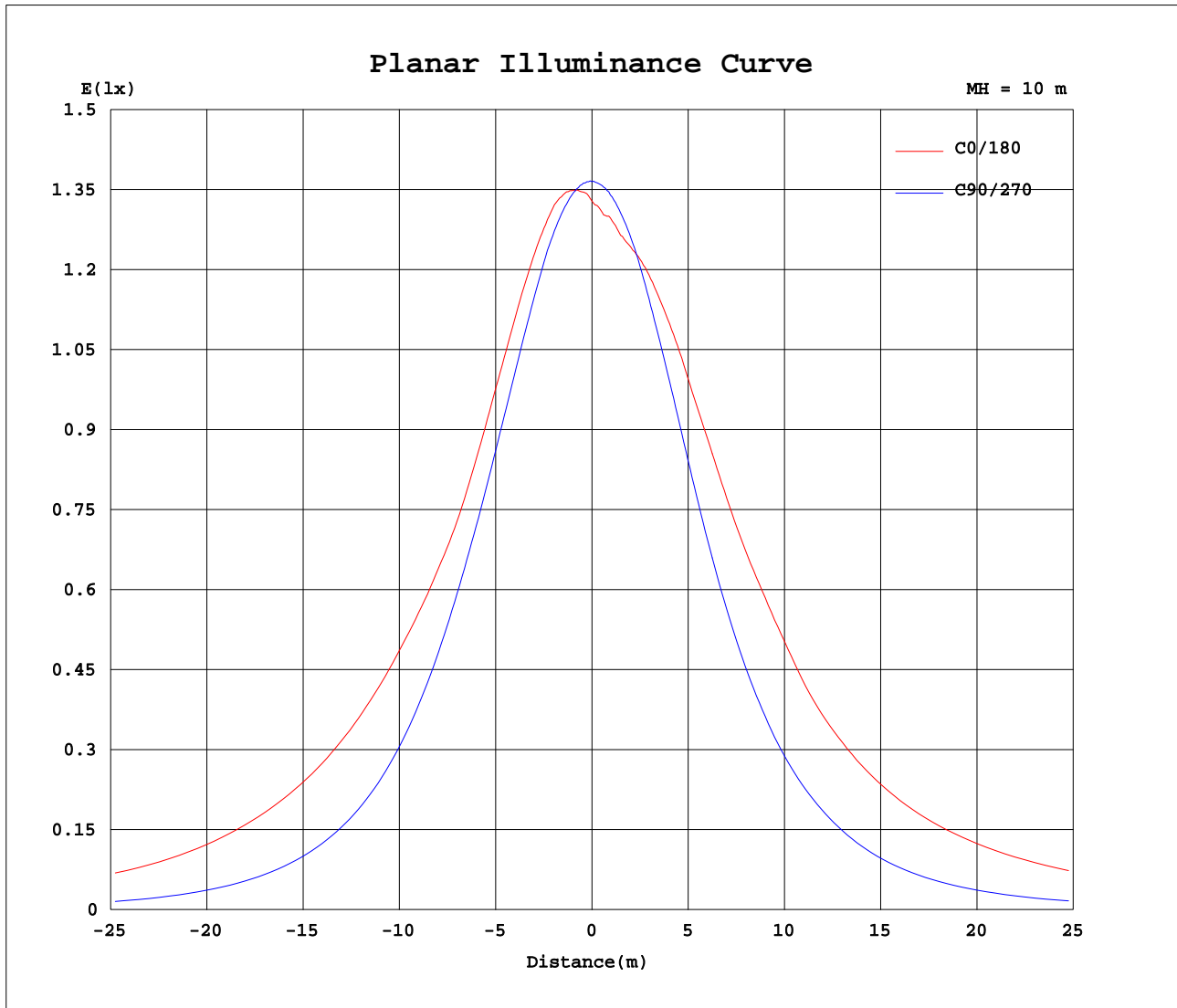
Test:U:230.0V I:0.0411A P:8.656W PF:0.9156 Freq:49.99Hz Lamp Flux:1071.09x1 lm		
NAME: 9aSA-RS1060ST-Q1D-04	TYPE:LED	WEIGHT:
SPEC.:9aSA-RS1060ST-Q1D-04 230V50HZ	DIM.:	SERIAL No.:C2025910A001
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 肖春梅  
 Test Date: 2020-07-07

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.363T  
 Humidity: 65.0%  
 Test Distance: 4.950m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 肖春梅  
 Test Date: 2020-07-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.363T  
 Humidity: 65.0%  
 Test Distance: 4.950m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:0.0411A P:8.656W PF:0.9156 Freq:49.99Hz Lamp Flux:1071.09x1 lm		
NAME: 9aSA-RS1060ST-Q1D-04	TYPE:LED	WEIGHT:
SPEC.:9aSA-RS1060ST-Q1D-04 230V50HZ	DIM.:	SERIAL No.:C2025910A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG)\ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	133	133	134	135	136	138	138	138	133	133	134	135	136	138	138	138			
5	136	136	136	136	136	136	136	136	132	131	132	134	136	138	139	140			
10	139	139	138	137	135	134	133	132	131	131	130	131	134	138	139	139			
15	140	139	137	135	132	130	128	130	134	133	129	127	131	135	137	137			
20	139	138	135	132	128	125	125	129	137	135	130	123	126	131	133	135			
25	137	136	132	127	122	118	121	130	139	137	129	118	120	125	128	132			
30	135	133	127	121	116	110	119	131	140	138	128	113	112	118	123	129			
35	133	130	121	113	108	101	117	132	140	138	126	107	102	109	116	129			
40	134	130	116	104	97.9	93.1	114	132	142	137	123	102	92.4	99.4	110	130			
45	137	132	113	94.8	86.5	85.2	110	131	142	138	119	95.0	81.5	88.9	106	130			
50	139	133	112	84.6	74.4	77.0	106	130	139	134	115	88.0	71.0	78.0	102	129			
55	140	133	111	76.2	62.1	68.8	101	128	138	132	108	80.8	59.6	66.7	98.2	126			
60	140	132	108	69.7	49.5	60.2	93.9	124	138	131	103	72.9	48.4	57.0	92.8	119			
65	135	128	101	64.2	37.0	52.0	84.3	122	139	131	100	63.6	37.7	48.3	83.1	112			
70	129	121	90.8	55.4	25.0	42.1	81.4	122	140	131	98.1	53.4	27.0	41.6	74.0	110			
75	127	119	85.3	44.9	14.8	32.3	79.8	122	140	131	96.1	49.5	16.7	30.2	69.6	112			
80	130	122	86.1	40.2	7.14	27.0	78.3	122	143	131	93.5	47.0	9.09	24.1	69.1	114			
85	133	125	88.6	39.4	3.98	24.6	76.4	122	146	134	92.3	43.8	4.00	20.5	69.7	115			
90	135	127	90.6	40.4	2.46	23.3	75.2	124	142	131	89.0	40.2	2.42	18.2	70.0	114			
95	136	127	90.1	38.5	2.75	25.0	74.2	124	137	127	88.8	41.2	2.55	18.0	67.3	112			
100	135	126	88.0	38.7	4.68	29.1	78.4	120	137	128	91.4	44.9	4.61	19.8	62.6	107			
105	131	123	83.1	39.8	6.63	32.3	82.8	122	138	128	93.3	48.1	7.86	21.7	61.3	99.4			
110	125	116	79.9	41.1	6.31	36.9	86.2	123	137	129	94.5	48.7	12.4	22.6	60.6	93.8			
115	117	108	78.6	42.4	6.40	41.9	89.0	124	136	127	94.7	50.7	17.5	23.1	60.3	90.7			
120	108	102	78.2	43.8	7.88	47.1	89.9	124	133	125	92.6	54.1	22.1	24.6	59.7	88.3			
125	104	99.0	77.6	43.3	10.7	52.8	86.0	123	128	119	87.0	57.1	26.6	25.9	59.0	86.0			
130	100	96.2	77.5	42.2	15.6	54.6	86.6	119	116	109	85.9	60.8	31.2	27.1	57.8	83.1			
135	97.3	93.4	76.6	41.8	20.6	57.1	87.6	110	108	103	85.8	63.8	35.5	28.0	53.3	81.4			
140	93.9	91.8	74.4	41.7	24.9	57.5	88.3	104	104	100.0	85.9	65.9	39.5	27.3	50.5	77.9			
145	92.4	88.6	71.7	41.2	30.7	60.9	89.0	101	101	97.8	85.3	67.4	43.3	23.4	49.7	71.8			
150	87.1	84.5	67.5	36.7	35.8	61.2	87.8	99.5	97.1	94.4	84.2	67.7	46.7	19.5	49.0	68.9			
155	83.4	80.5	60.1	26.4	39.8	61.3	84.2	96.5	93.5	91.3	83.2	67.5	49.8	18.3	46.7	67.7			
160	77.8	73.8	54.2	19.9	43.6	61.6	81.5	91.0	88.2	88.1	81.1	66.4	51.7	23.5	32.7	64.8			
165	69.6	68.0	41.1	17.4	2.12	62.1	80.7	86.6	83.9	83.9	78.3	65.9	10.9	19.4	20.1	44.8			
170	48.3	41.5	17.8	11.7	1.93	52.7	61.1	72.9	62.0	61.4	57.9	42.6	6.19	4.74	11.3	13.4			
175	1.71	1.71	1.64	1.47	1.52	1.81	1.91	2.02	1.65	1.50	1.49	1.45	1.45	1.54	1.57	1.58			
180	1.74	1.74	1.62	1.53	1.48	1.73	1.77	1.75	1.74	1.73	1.64	1.53	1.48	1.74	1.77	1.74			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:肖春梅  
 Test Date:2020-07-07

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks: