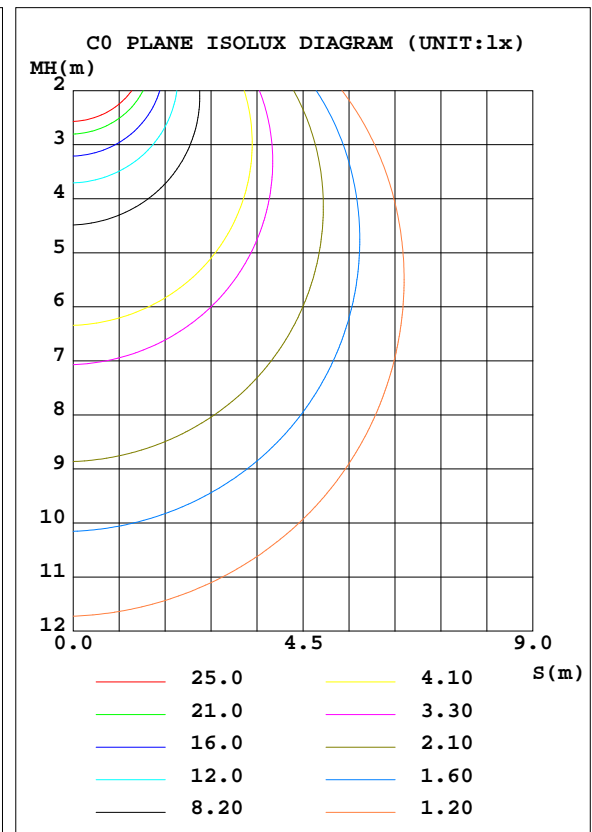
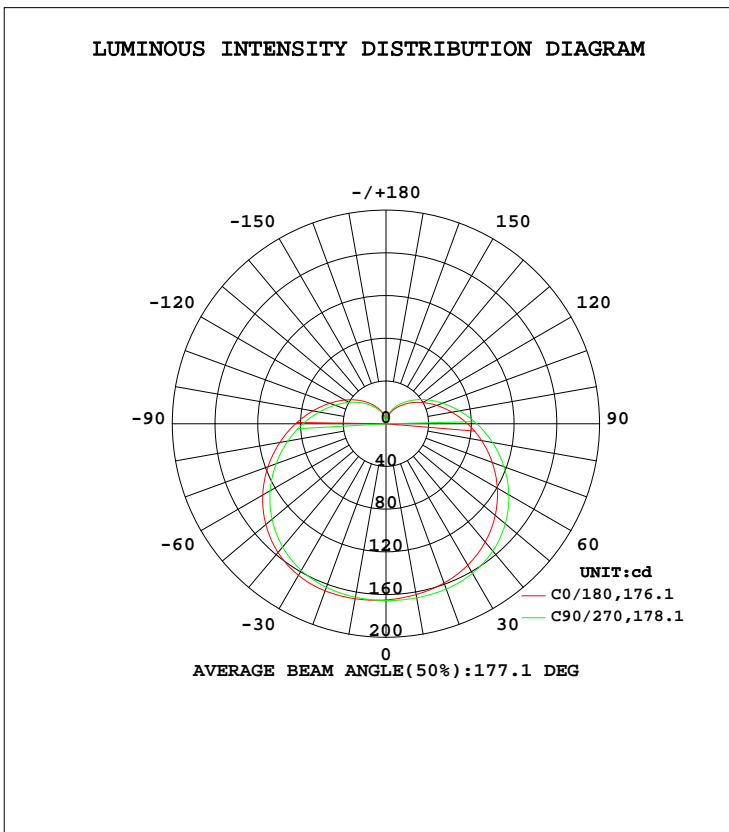


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.04V I:0.0820A P:10.534W PF:0.5587 Freq:50.00Hz Lamp Flux:1066.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008D001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.24 lm/W			
MODEL		I <sub>max</sub> (cd)	167.4	S/MH(C0/180)	1.49
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.44
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1066.4	η UP, DN(C0-180)	13.0, 37.7
NOMINAL FLUX(lm)	1066.39	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.3, 37.0
LAMPS INSIDE	1	η up(%)	25.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	74.7	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	162.4	163.8	165.5	166.8	166.4	166.1	164.9	163.7	0- 10	15.77	15.77	1.48,1.48
20	158.7	161.5	164.7	166.6	166.5	165.7	163.0	160.3	10- 20	46.57	62.34	5.85,5.85
30	153.0	157.3	161.8	164.1	163.9	162.4	158.6	154.6	20- 30	74.82	137.2	12.9,12.9
40	144.5	150.1	155.5	157.7	157.3	155.3	150.6	145.9	30- 40	98.00	235.2	22.1,22.1
50	133.5	139.8	145.7	147.3	146.9	144.5	139.2	134.4	40- 50	113.8	349.0	32.7,32.7
60	120.4	127.0	132.8	134.0	133.3	130.5	125.2	120.7	50- 60	121.0	469.9	44.1,44.1
70	105.9	112.1	117.6	118.4	117.5	114.5	109.5	105.7	60- 70	119.5	589.4	55.3,55.3
80	90.94	96.41	101.2	101.8	100.9	97.75	93.23	90.27	70- 80	110.7	700.1	65.6,65.6
90	76.36	81.07	85.04	85.59	84.75	81.78	77.82	75.57	80- 90	96.79	796.8	74.7,74.7
100	62.72	66.65	69.95	70.43	69.65	66.98	63.55	61.91	90-100	80.35	877.2	82.3,82.3
110	50.57	53.80	56.52	56.97	56.22	53.93	51.03	49.78	100-110	63.45	940.6	88.2,88.2
120	39.92	42.59	44.87	45.29	44.54	42.60	40.16	39.19	110-120	47.60	988.3	92.7,92.7
130	30.68	32.88	34.73	35.13	34.43	32.80	30.77	29.99	120-130	33.67	1022	95.8,95.8
140	22.67	24.50	26.06	26.41	25.72	24.39	22.75	22.10	130-140	22.10	1044	97.9,97.9
150	15.96	17.43	18.66	18.94	18.34	17.38	16.12	15.50	140-150	13.10	1057	99.1,99.1
160	10.18	11.35	12.33	12.58	12.08	11.50	10.52	9.562	150-160	6.681	1064	99.8,99.8
170	3.468	4.905	6.005	6.015	5.678	4.961	3.840	1.870	160-170	2.409	1066	100,100
180	0.2454	0.2489	0.2519	0.2535	0.2440	0.2466	0.2496	0.2524	170-180	0.1782	1066	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 290.62 lm

%lum = 27.3%  
 %lamp = 27.3%

Conical surface Flux(120deg): 469.92 lm

%lum = 44.1%  
 %lamp = 44.1%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-23

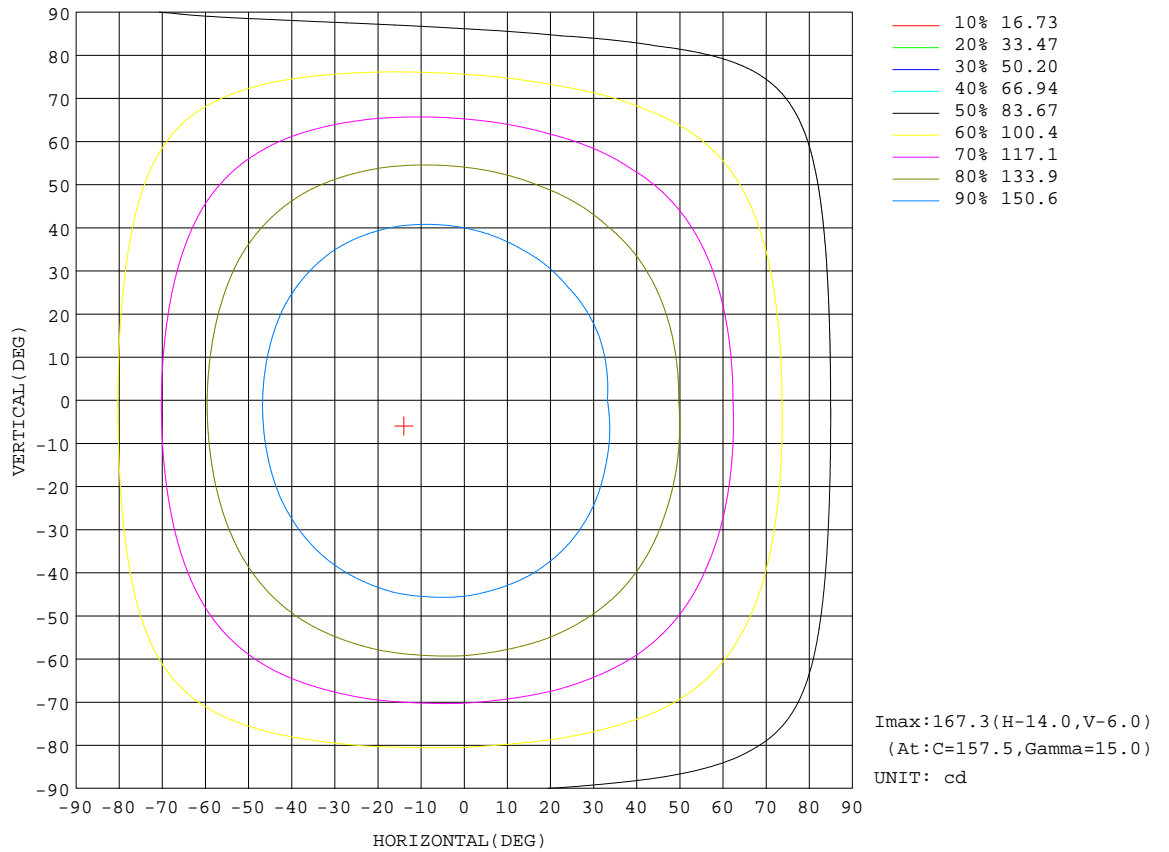
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

ISOCANDELA DIAGRAM

Test:U:230.04V I:0.0820A P:10.534W PF:0.5587 Freq:50.00Hz Lamp Flux:1066.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008D001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-23

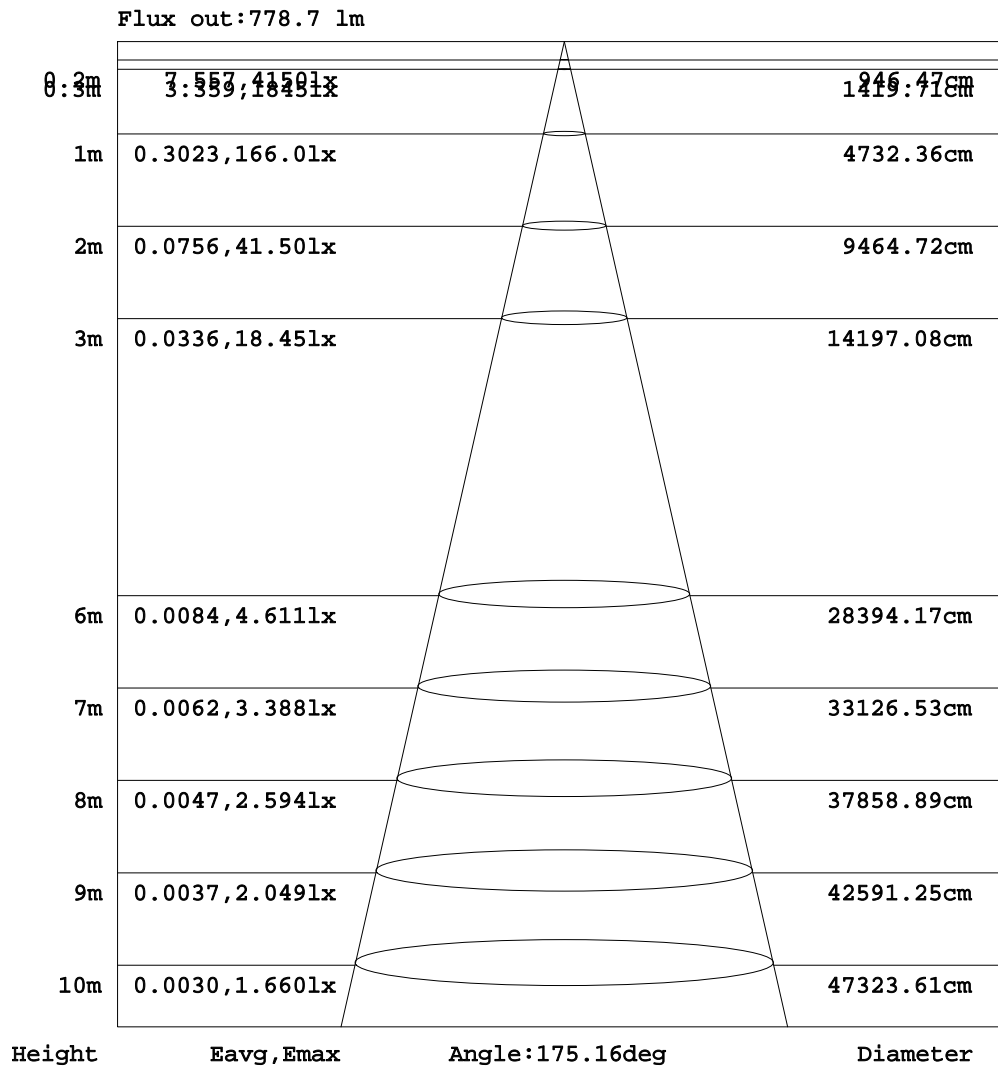
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

AAI Figure

Test:U:230.04V I:0.0820A P:10.534W PF:0.5587 Freq:50.00Hz Lamp Flux:1066.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008D001
MFR.:	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:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-23

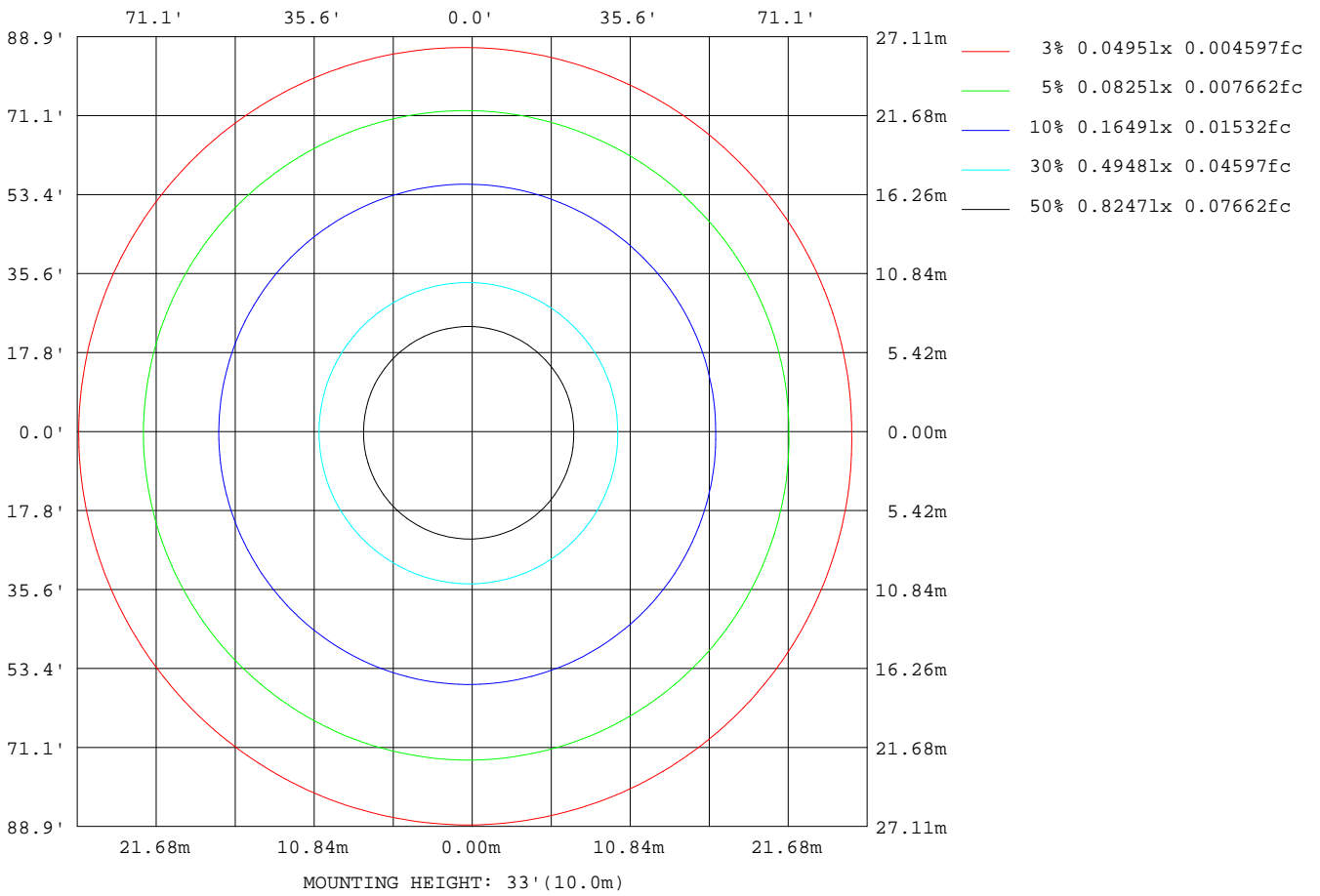
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

ISOLUX DIAGRAM

Test:U:230.04V I:0.0820A P:10.534W PF:0.5587 Freq:50.00Hz Lamp Flux:1066.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008D001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.7DEG  
 Operators: LSC  
 Test Date: 2020-09-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity: 48%  
 Test Distance: 1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

LED Avg.L Report

Test:U:230.04V I:0.0820A P:10.534W PF:0.5587 Freq:50.00Hz Lamp Flux:1066.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008D001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	927
L_0~180(75)av	1316
L_0~180(85)av	3319
L_90~270(65)av	943
L_90~270(75)av	1337
L_90~270(85)av	3360
L_45(65)av	936
L_45(75)av	1327
L_45(85)av	3339

Standard: GB/T 29293-2012

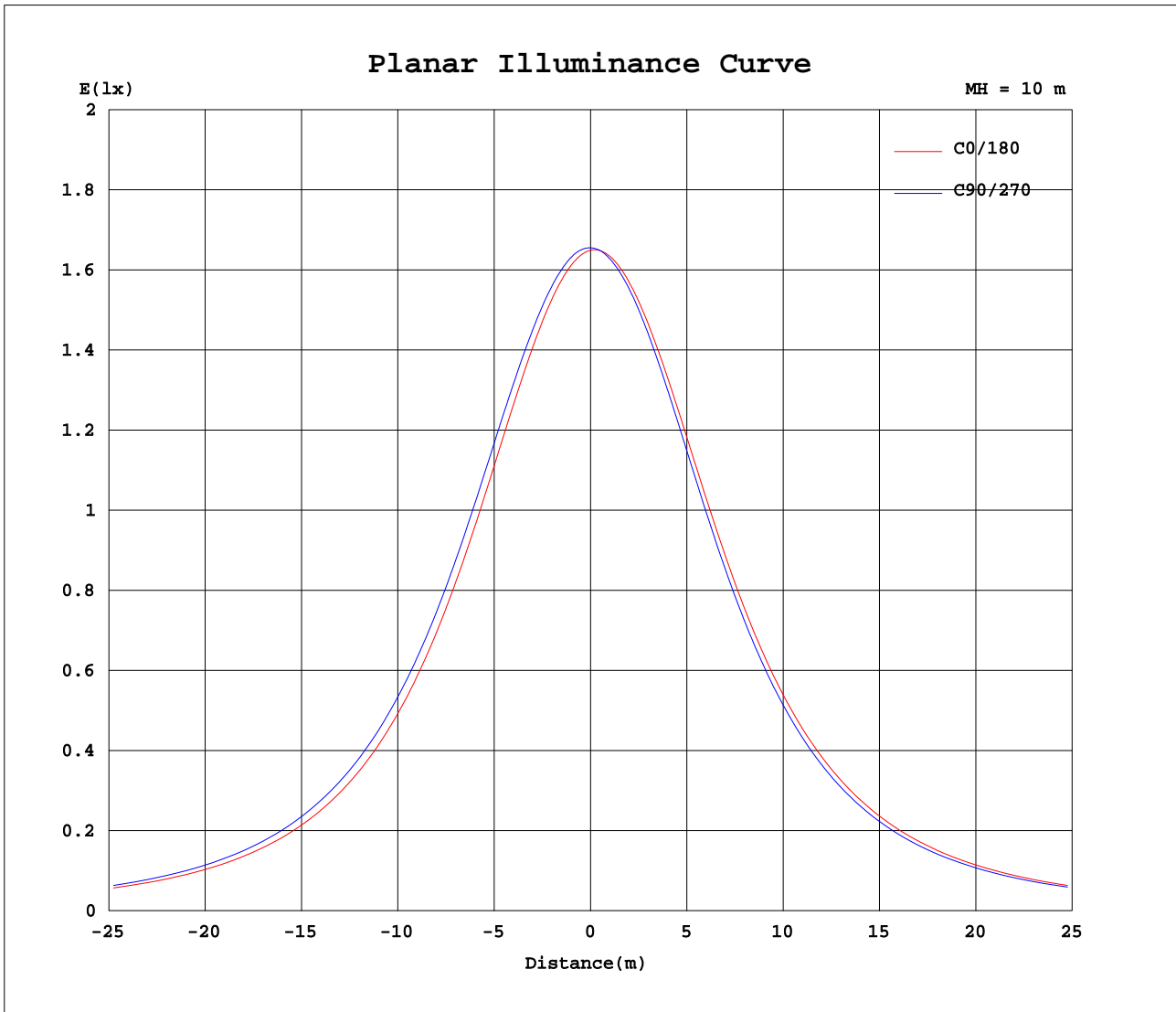
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7DEG  
Operators: LSC  
Test Date: 2020-09-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
Humidity: 48%  
Test Distance: 1.533m [K=1.0000]  
Remarks:

Checker:

Assessor: LiHua

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.04V I:0.0820A P:10.534W PF:0.5587 Freq:50.00Hz Lamp Flux:1066.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008D001
MFR.:	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	165	165	165	165	166	166	166	166	165	165	165	165	166	166	166	166			
5	164	164	165	165	166	166	166	167	166	166	166	166	165	165	165	165			
10	162	163	164	165	165	166	167	167	166	166	166	165	165	164	164	164			
15	161	162	163	164	165	166	167	167	167	167	166	165	164	163	162	162			
20	159	160	162	163	165	166	167	167	167	166	166	164	163	162	160	160			
25	156	158	160	162	164	165	166	166	166	165	165	163	161	159	158	157			
30	153	155	157	160	162	163	164	164	164	164	162	161	159	156	155	154			
35	149	151	154	157	159	161	161	162	161	161	159	157	155	152	151	150			
40	145	147	150	153	156	157	158	158	157	157	155	153	151	148	146	145			
45	139	142	145	149	151	153	153	153	153	152	150	148	145	142	140	140			
50	134	136	140	143	146	147	147	147	147	146	144	142	139	136	134	134			
55	127	130	134	137	140	141	141	141	140	140	138	135	133	130	128	127			
60	120	123	127	130	133	134	134	134	133	132	131	128	125	122	121	121			
65	113	116	120	123	125	126	126	126	126	125	123	120	117	115	113	113			
70	106	109	112	115	118	119	118	118	118	116	114	112	109	107	106	106			
75	98.4	101	104	107	109	110	110	110	109	108	106	104	101	99.1	98.0	98.2			
80	90.9	93.3	96.4	99.3	101	102	102	101	101	99.6	97.7	95.6	93.2	91.2	90.3	90.6			
85	83.6	85.8	88.6	91.2	93.0	93.8	93.6	93.1	92.7	91.4	89.6	87.5	85.4	83.5	82.8	83.2			
90	76.4	78.4	81.1	83.5	85.0	85.7	85.6	85.2	84.7	83.5	81.8	79.8	77.8	76.2	75.6	76.1			
95	69.3	71.3	73.7	75.8	77.3	77.9	77.8	77.4	77.0	75.8	74.2	72.2	70.5	69.0	68.6	69.1			
100	62.7	64.5	66.7	68.6	70.0	70.6	70.4	70.0	69.7	68.5	67.0	65.3	63.6	62.2	61.9	62.5			
105	56.5	58.1	60.0	61.8	63.0	63.6	63.5	63.1	62.7	61.7	60.2	58.6	57.1	55.9	55.7	56.2			
110	50.6	52.0	53.8	55.4	56.5	57.0	56.6	56.2	55.2	53.9	52.5	51.0	50.0	49.8	49.8	50.3			
115	45.1	46.4	48.0	49.4	50.5	51.0	50.9	50.6	50.2	49.3	48.1	46.7	45.4	44.4	44.3	44.8			
120	39.9	41.2	42.6	43.9	44.9	45.3	45.3	45.0	44.5	43.7	42.6	41.4	40.2	39.3	39.2	39.7			
125	35.1	36.2	37.5	38.7	39.6	40.0	40.0	39.8	39.3	38.5	37.5	36.4	35.3	34.5	34.4	34.9			
130	30.7	31.7	32.9	33.9	34.7	35.1	35.1	34.9	34.4	33.7	32.8	31.8	30.8	30.1	30.0	30.4			
135	26.5	27.5	28.6	29.5	30.3	30.6	30.6	30.4	29.9	29.3	28.4	27.5	26.6	26.0	25.9	26.2			
140	22.7	23.5	24.5	25.4	26.1	26.4	26.4	26.2	25.7	25.1	24.4	23.5	22.8	22.2	22.1	22.4			
145	19.2	19.9	20.8	21.6	22.2	22.5	22.5	22.3	21.8	21.4	20.7	20.0	19.3	18.8	18.6	18.8			
150	16.0	16.7	17.4	18.1	18.7	18.9	18.9	18.8	18.3	18.0	17.4	16.8	16.1	15.7	15.5	15.6			
155	13.0	13.6	14.3	15.0	15.4	15.7	15.6	15.6	15.1	14.9	14.4	13.8	13.3	12.8	12.6	12.6			
160	10.2	10.8	11.3	11.9	12.3	12.6	12.6	12.5	12.1	12.0	11.5	11.0	10.5	9.88	9.56	9.40			
165	7.23	7.80	8.37	8.91	9.35	9.58	9.57	9.51	9.07	9.07	8.48	8.14	7.50	6.88	6.41	6.10			
170	3.47	4.16	4.91	5.52	6.01	6.21	6.01	6.16	5.68	5.70	4.96	4.56	3.84	2.80	1.87	1.28			
175	0.26	0.26	0.26	0.27	0.29	0.39	0.44	0.40	0.22	0.23	0.22	0.22	0.22	0.23	0.23	0.23			
180	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-23

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua