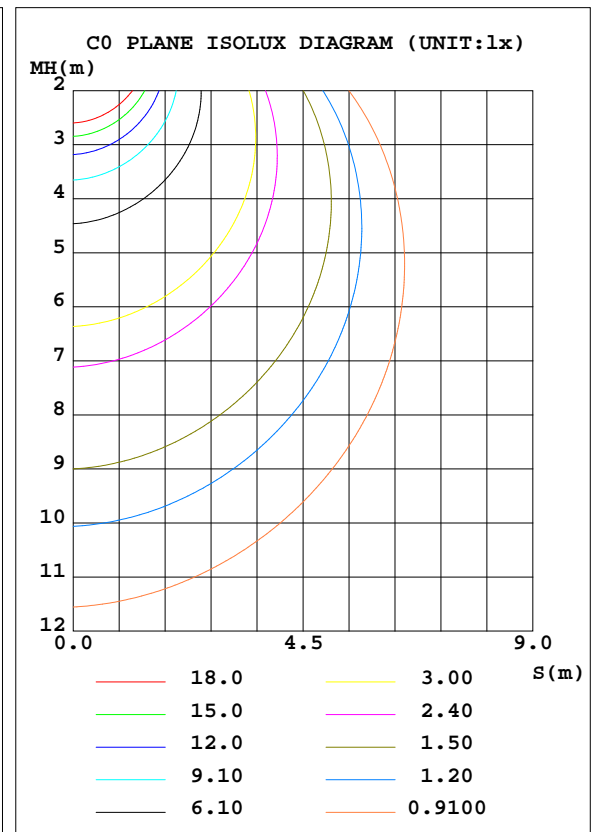
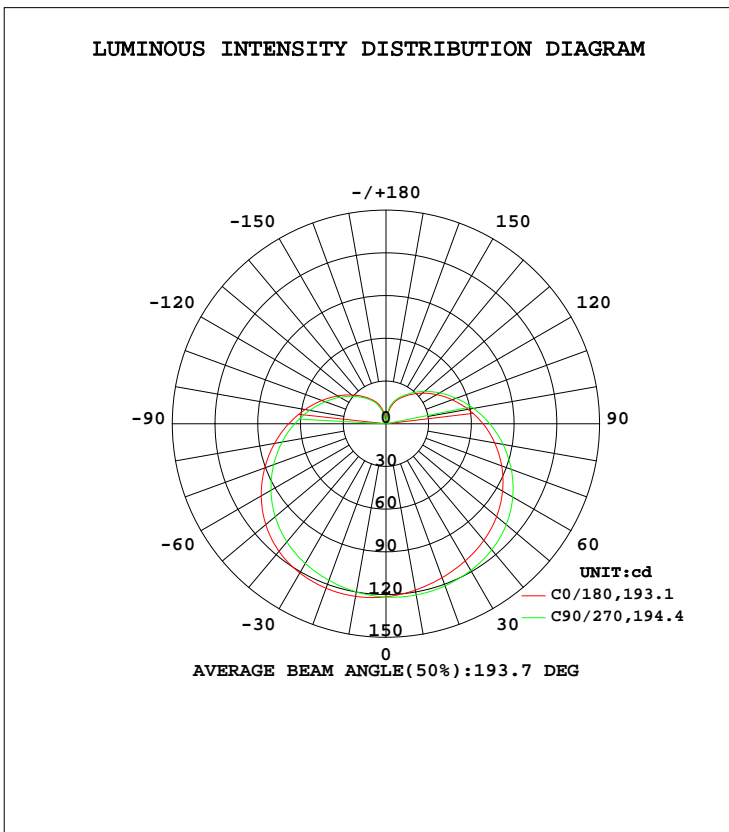


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.97V I:0.0645A P:8.0609W PF:0.5431 Freq:50.00Hz Lamp Flux:860.909x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023B001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.80 lm/W			
MODEL		I <sub>max</sub> (cd)	123.7	S/MH(C0/180)	1.50
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)		TOTAL FLUX(lm)	860.91	η UP, DN(C0-180)	15.4, 36.2
NOMINAL FLUX(lm)	860.909	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	13.8, 34.6
LAMPS INSIDE	1	η up(%)	29.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	70.8	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-22

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	118.7	120.2	122.1	123.3	123.1	121.9	120.0	118.6	0- 10	11.58	11.58	1.35,1.35
20	115.1	117.6	121.1	123.3	123.0	120.5	117.0	115.0	10- 20	34.02	45.60	5.3,5.3
30	111.3	114.4	119.0	121.7	121.0	117.8	113.3	111.0	20- 30	54.45	100.1	11.6,11.6
40	106.9	110.6	115.6	118.3	116.9	113.2	108.3	106.3	30- 40	71.72	171.8	20,20
50	101.4	105.3	110.2	112.4	110.2	106.2	101.5	100.1	40- 50	84.46	256.2	29.8,29.8
60	94.55	98.28	102.8	104.0	101.2	97.30	93.28	92.73	50- 60	91.56	347.8	40.4,40.4
70	86.46	89.92	93.62	93.93	90.61	87.09	83.93	84.18	60- 70	92.73	440.5	51.2,51.2
80	77.51	80.56	83.46	82.94	79.42	76.36	74.10	74.97	70- 80	88.56	529.1	61.5,61.5
90	68.15	70.85	72.93	71.80	68.36	65.71	64.14	65.48	80- 90	80.27	609.4	70.8,70.8
100	58.61	60.89	62.39	61.01	57.72	55.50	54.45	56.02	90-100	69.15	678.5	78.8,78.8
110	49.47	51.34	52.46	51.00	47.95	46.09	45.43	47.06	100-110	56.68	735.2	85.4,85.4
120	41.07	42.61	43.44	42.00	39.20	37.70	37.27	38.84	110-120	44.22	779.4	90.5,90.5
130	33.51	34.73	35.37	34.04	31.56	30.35	30.04	31.47	120-130	32.71	812.1	94.3,94.3
140	26.79	27.83	28.37	27.19	24.99	24.04	23.74	24.98	130-140	22.73	834.9	97,97
150	21.02	21.85	22.32	21.34	19.47	18.75	18.33	18.93	140-150	14.57	849.4	98.7,98.7
160	15.31	16.40	16.98	16.06	14.25	13.35	11.96	11.93	150-160	8.164	857.6	99.6,99.6
170	5.118	7.577	9.644	8.770	5.713	4.665	1.135	0.6310	160-170	3.098	860.7	100,100
180	0.1780	0.1799	0.1843	0.1853	0.1773	0.1820	0.1844	0.1891	170-180	0.2118	860.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 212.75 lm

%lum = 24.7%  
 %lamp = 24.7%

Conical surface Flux(120deg): 347.8 lm

%lum = 40.4%  
 %lamp = 40.4%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-22

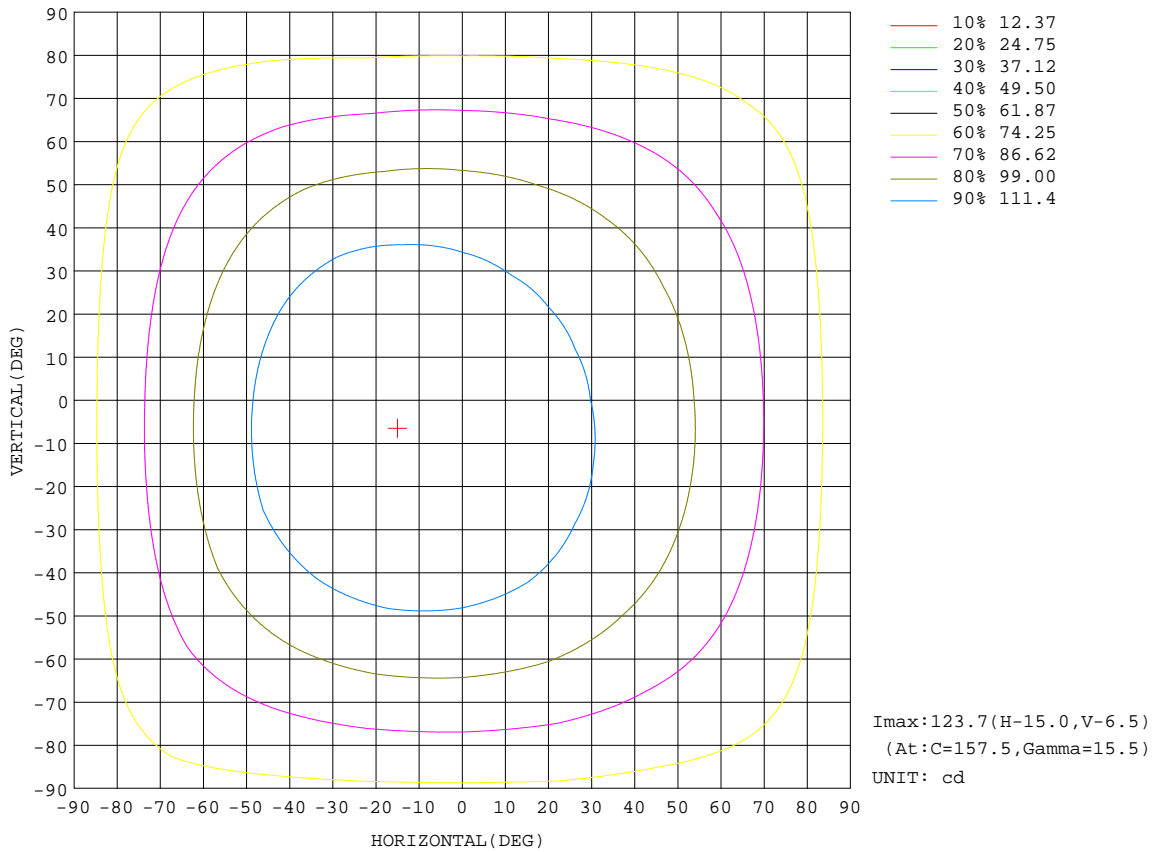
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

ISOCANDELA DIAGRAM

Test:U:229.97V I:0.0645A P:8.0609W PF:0.5431 Freq:50.00Hz Lamp Flux:860.909x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023B001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-22

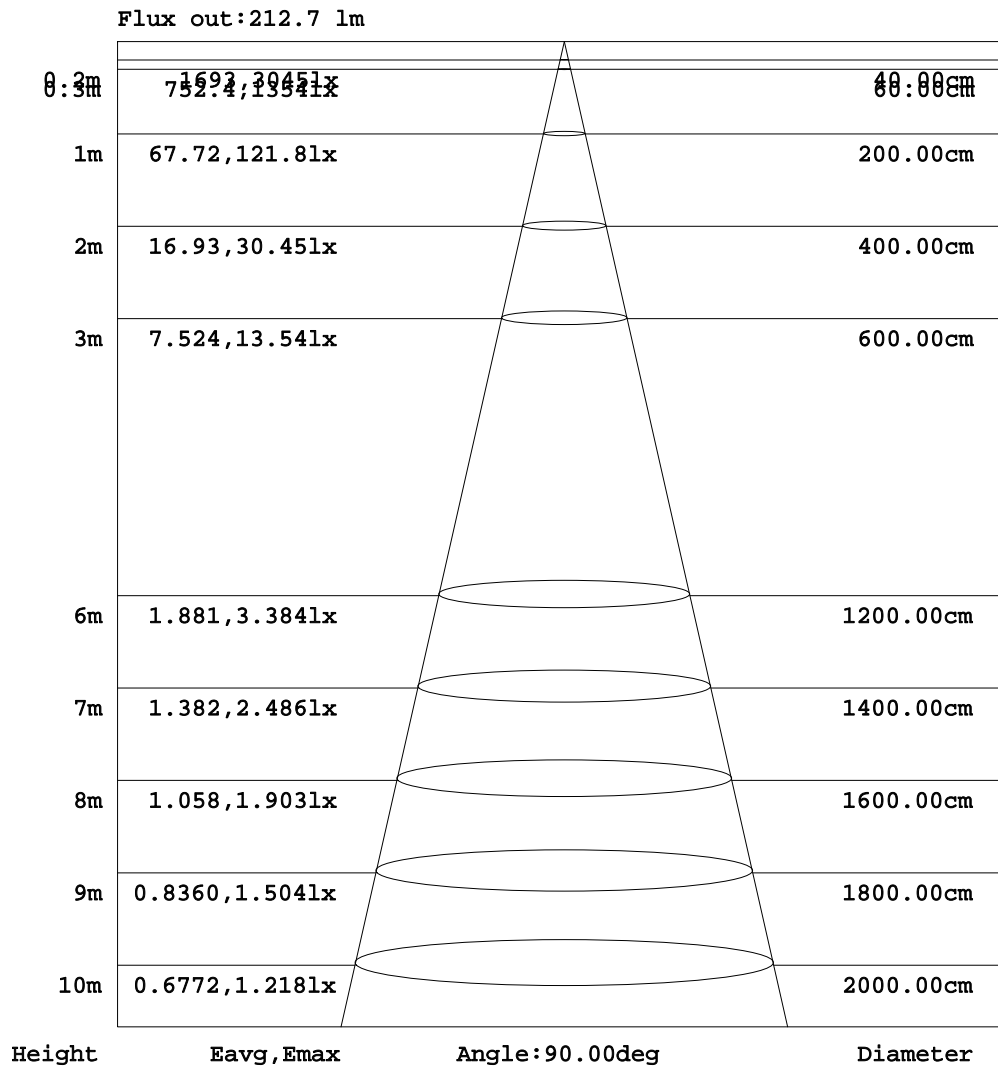
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

AAI Figure

Test:U:229.97V I:0.0645A P:8.0609W PF:0.5431 Freq:50.00Hz Lamp Flux:860.909x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023B001
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:2020-09-22

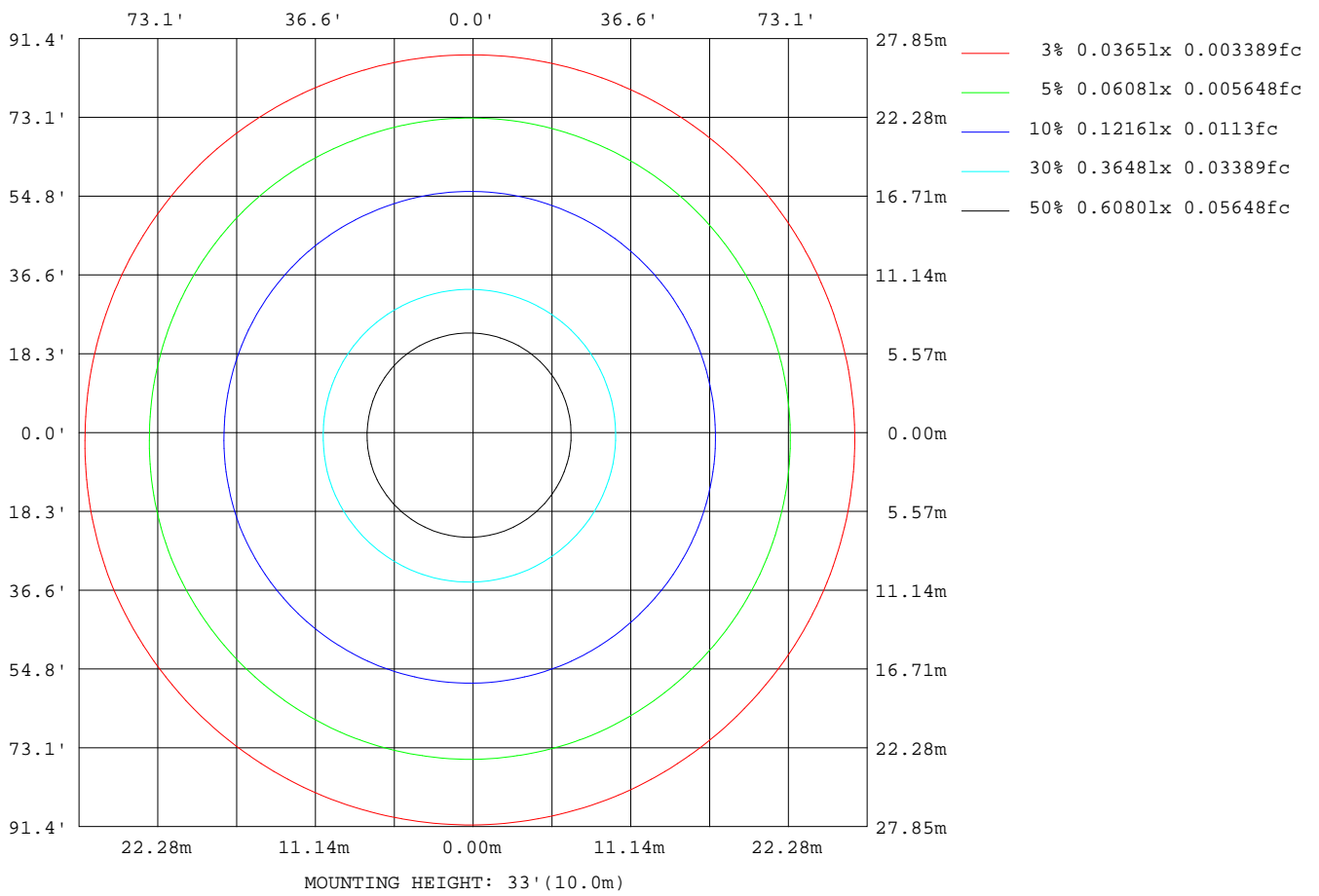
γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.429  
 Humidity:48%  
 Test Distance:1.533m [K=1.0000]  
 Remarks:

Checker:

Assessor: LiHua

ISOLUX DIAGRAM

Test:U:229.97V I:0.0645A P:8.0609W PF:0.5431 Freq:50.00Hz Lamp Flux:860.909x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023B001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7DEG  
Operators: LSC  
Test Date: 2020-09-22

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:229.97V I:0.0645A P:8.0609W PF:0.5431 Freq:50.00Hz Lamp Flux:860.909x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023B001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	725
L_0~180(75)av	1060
L_0~180(85)av	2764
L_90~270(65)av	726
L_90~270(75)av	1063
L_90~270(85)av	2773
L_45(65)av	727
L_45(75)av	1063
L_45(85)av	2772

Standard: GB/T 29293-2012

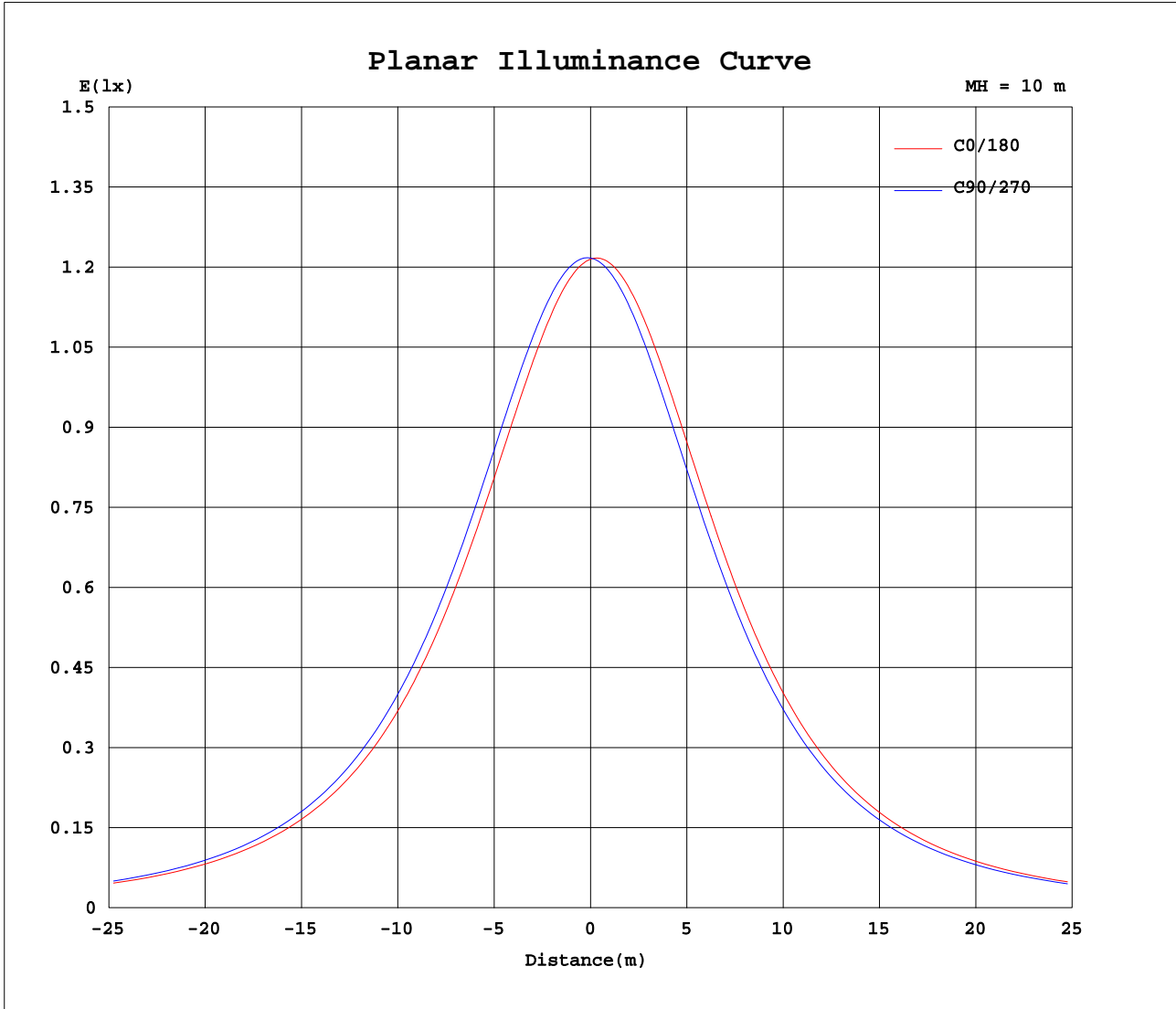
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
 Operators:LSC  
 Test Date:2020-09-22

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: 2020-09-22

$\gamma$  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:229.97V I:0.0645A P:8.0609W PF:0.5431 Freq:50.00Hz Lamp Flux:860.909x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023B001
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	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122			
5	120	121	121	122	122	122	123	123	122	122	122	122	121	121	120	120			
10	119	119	120	121	122	123	123	123	123	123	122	121	120	119	119	118			
15	117	118	119	121	122	123	124	124	123	122	121	120	119	118	117	117			
20	115	116	118	120	121	122	123	124	123	122	121	119	117	116	115	115			
25	113	114	116	118	120	122	123	123	122	121	119	117	115	114	113	113			
30	111	113	114	117	119	121	122	122	121	120	118	115	113	112	111	111			
35	109	111	113	115	117	119	120	121	119	118	116	113	111	109	109	109			
40	107	109	111	113	116	117	118	119	117	115	113	110	108	107	106	106			
45	104	106	108	111	113	115	116	116	114	112	110	107	105	104	103	103			
50	101	103	105	108	110	112	112	112	110	108	106	103	102	100	100	100			
55	98.2	99.9	102	105	107	108	108	108	106	104	102	99.1	97.6	96.7	96.6	96.9			
60	94.5	96.3	98.3	101	103	104	104	104	101	99.2	97.3	94.6	93.3	92.6	92.7	93.1			
65	90.6	92.4	94.3	96.9	98.4	99.2	99.2	98.7	96.0	94.1	92.3	89.7	88.7	88.3	88.6	89.1			
70	86.5	88.2	89.9	92.4	93.6	94.2	93.9	93.4	90.6	88.8	87.1	84.7	83.9	83.7	84.2	84.8			
75	82.1	83.7	85.3	87.7	88.6	88.9	88.5	87.9	85.1	83.3	81.7	79.5	79.0	79.0	79.6	80.3			
80	77.5	79.1	80.6	82.7	83.5	83.5	82.9	82.3	79.4	77.7	76.4	74.4	74.1	74.3	75.0	75.7			
85	72.9	74.5	75.8	77.7	78.2	78.1	77.4	76.7	73.9	72.3	71.0	69.2	69.1	69.4	70.3	71.0			
90	68.2	69.7	70.9	72.7	72.9	72.6	71.8	71.1	68.4	66.8	65.7	64.1	64.1	64.6	65.5	66.3			
95	63.4	64.8	65.9	67.5	67.6	67.2	66.3	65.6	63.0	61.5	60.5	59.1	59.2	59.8	60.7	61.5			
100	58.6	59.9	60.9	62.4	62.4	61.9	61.0	60.3	57.7	56.4	55.5	54.2	54.5	55.1	56.0	56.8			
105	54.0	55.2	56.0	57.4	57.3	56.8	55.9	55.2	52.7	51.5	50.7	49.5	49.8	50.5	51.5	52.2			
110	49.5	50.6	51.3	52.6	52.5	51.9	51.0	50.3	47.9	46.8	46.1	45.1	45.4	46.1	47.1	47.7			
115	45.2	46.2	46.8	48.0	47.8	47.2	46.3	45.7	43.4	42.4	41.8	40.8	41.2	41.9	42.9	43.5			
120	41.1	42.0	42.6	43.7	43.4	42.8	42.0	41.4	39.2	38.3	37.7	36.8	37.3	38.0	38.8	39.5			
125	37.2	38.0	38.6	39.5	39.3	38.7	37.9	37.3	35.2	34.4	33.9	33.1	33.5	34.2	35.1	35.6			
130	33.5	34.3	34.7	35.6	35.4	34.8	34.0	33.5	31.6	30.8	30.3	29.6	30.0	30.7	31.5	32.0			
135	30.0	30.7	31.4	32.0	31.8	31.2	30.5	30.0	28.1	27.4	27.0	26.4	26.8	27.4	28.1	28.6			
140	26.8	27.4	27.8	28.6	28.4	27.9	27.2	26.7	25.0	24.4	24.0	23.4	23.7	24.3	25.0	25.4			
145	23.8	24.4	24.7	25.4	25.2	24.8	24.1	23.7	22.1	21.6	21.3	20.7	20.9	21.4	22.1	22.5			
150	21.0	21.5	21.9	22.5	22.3	21.9	21.3	20.9	19.5	19.1	18.8	18.2	18.3	18.7	18.9	19.2			
155	18.4	18.9	19.2	19.8	19.7	19.3	18.8	18.4	17.0	16.7	16.4	15.6	15.6	15.2	15.6	15.6			
160	15.3	16.0	16.4	17.1	17.0	16.6	16.1	15.9	14.3	14.1	13.3	12.6	12.0	11.2	11.9	11.6			
165	11.6	12.3	12.9	13.9	13.9	13.5	12.8	12.8	10.8	10.8	9.76	8.71	7.62	7.11	6.50	6.07			
170	5.12	6.51	7.58	9.44	9.64	9.37	8.77	8.67	5.71	5.54	4.66	1.92	1.13	0.48	0.63	0.81			
175	0.19	0.19	0.20	1.20	1.73	1.75	1.41	1.35	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18			
180	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.7DEG  
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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