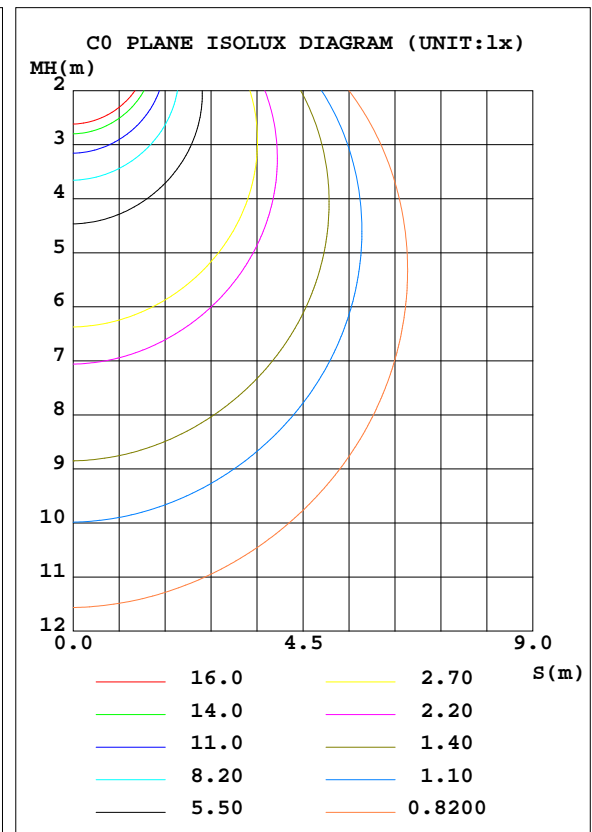
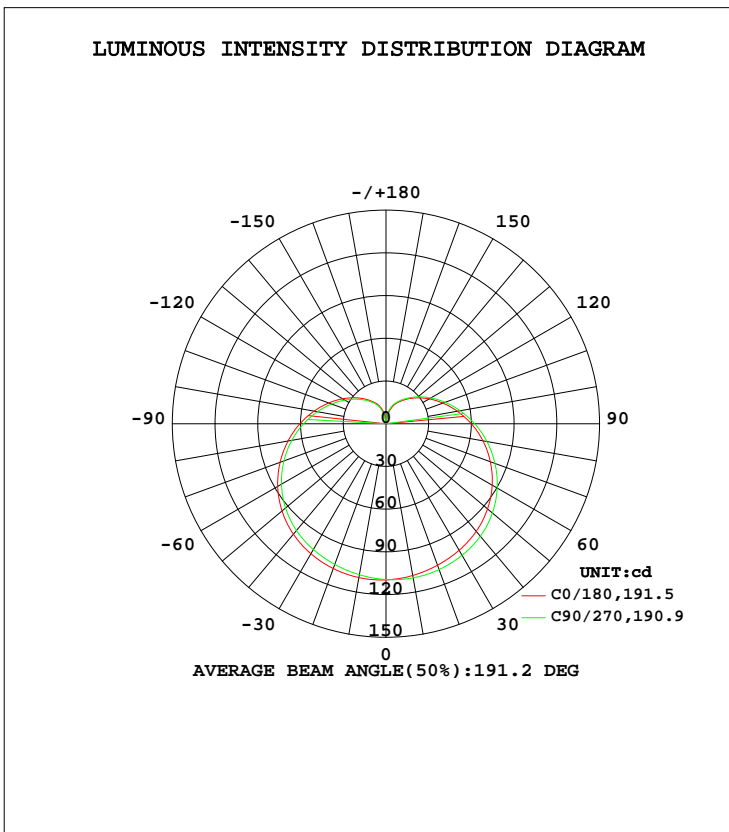


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.97V I:0.0641A P:7.9912W PF:0.5419 Freq:50.00Hz Lamp Flux:761.905x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023A001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.34 lm/W			
MODEL		I _{max} (cd)	110.2	S/MH(C0/180)	1.45
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)		TOTAL FLUX(lm)	761.91	η UP, DN(C0-180)	14.8, 36.2
NOMINAL FLUX(lm)	761.905	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	14.0, 35.0
LAMPS INSIDE	1	η up(%)	28.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	71.2	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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	108.2	109.1	109.9	110.2	109.7	108.5	107.7	107.6	0- 10	10.42	10.42	1.37,1.37
20	105.8	107.5	109.0	109.3	108.2	106.3	105.1	105.0	10- 20	30.59	41.02	5.38,5.38
30	102.7	104.9	106.7	106.9	105.4	103.3	102.0	101.8	20- 30	48.89	89.90	11.8,11.8
40	98.63	101.2	103.1	102.9	101.2	98.99	97.82	97.64	30- 40	64.24	154.1	20.2,20.2
50	93.10	95.74	97.55	97.13	95.31	93.10	92.04	91.97	40- 50	75.44	229.6	30.1,30.1
60	86.12	88.68	90.18	89.57	87.84	85.70	84.76	84.87	50- 60	81.56	311.1	40.8,40.8
70	77.98	80.32	81.45	80.71	79.12	77.14	76.27	76.57	60- 70	82.36	393.5	51.6,51.6
80	69.13	71.19	71.98	71.24	69.87	67.99	67.16	67.63	70- 80	78.41	471.9	61.9,61.9
90	59.96	61.80	62.32	61.64	60.49	58.73	57.89	58.43	80- 90	70.74	542.6	71.2,71.2
100	50.94	52.54	52.89	52.31	51.32	49.67	48.91	49.50	90-100	60.61	603.3	79.2,79.2
110	42.57	43.93	44.20	43.72	42.84	41.35	40.68	41.25	100-110	49.46	652.7	85.7,85.7
120	35.02	36.17	36.36	35.99	35.19	33.92	33.34	33.84	110-120	38.46	691.2	90.7,90.7
130	28.36	29.32	29.48	29.21	28.48	27.40	26.94	27.33	120-130	28.39	719.6	94.4,94.4
140	22.55	23.36	23.51	23.30	22.68	21.80	21.41	21.70	130-140	19.70	739.3	97,97
150	17.58	18.26	18.43	18.28	17.74	17.09	16.76	16.74	140-150	12.64	751.9	98.7,98.7
160	12.44	13.45	13.78	13.64	13.22	12.44	11.68	10.78	150-160	7.114	759.0	99.6,99.6
170	3.090	6.015	7.130	7.051	6.229	4.860	2.548	0.6395	160-170	2.709	761.7	100,100
180	0.1612	0.1630	0.1650	0.1697	0.1612	0.1653	0.1649	0.1682	170-180	0.1696	761.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 190.76 lm

%lum = 25.0%
 %lamp = 25.0%

Conical surface Flux(120deg): 311.14 lm

%lum = 40.8%
 %lamp = 40.8%

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

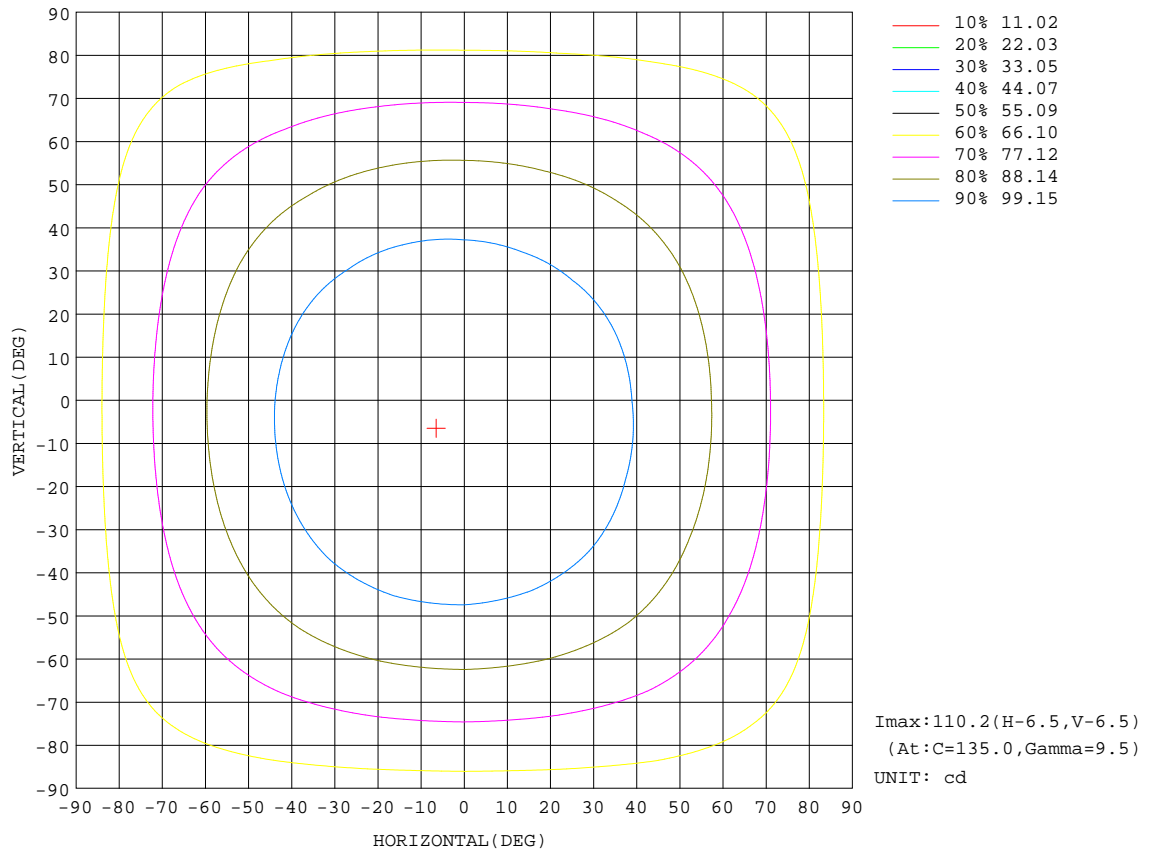
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
 Humidity:48%
 Test Distance:1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

ISOCANDELA DIAGRAM

Test:U:229.97V I:0.0641A P:7.9912W PF:0.5419 Freq:50.00Hz Lamp Flux:761.905x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023A001
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

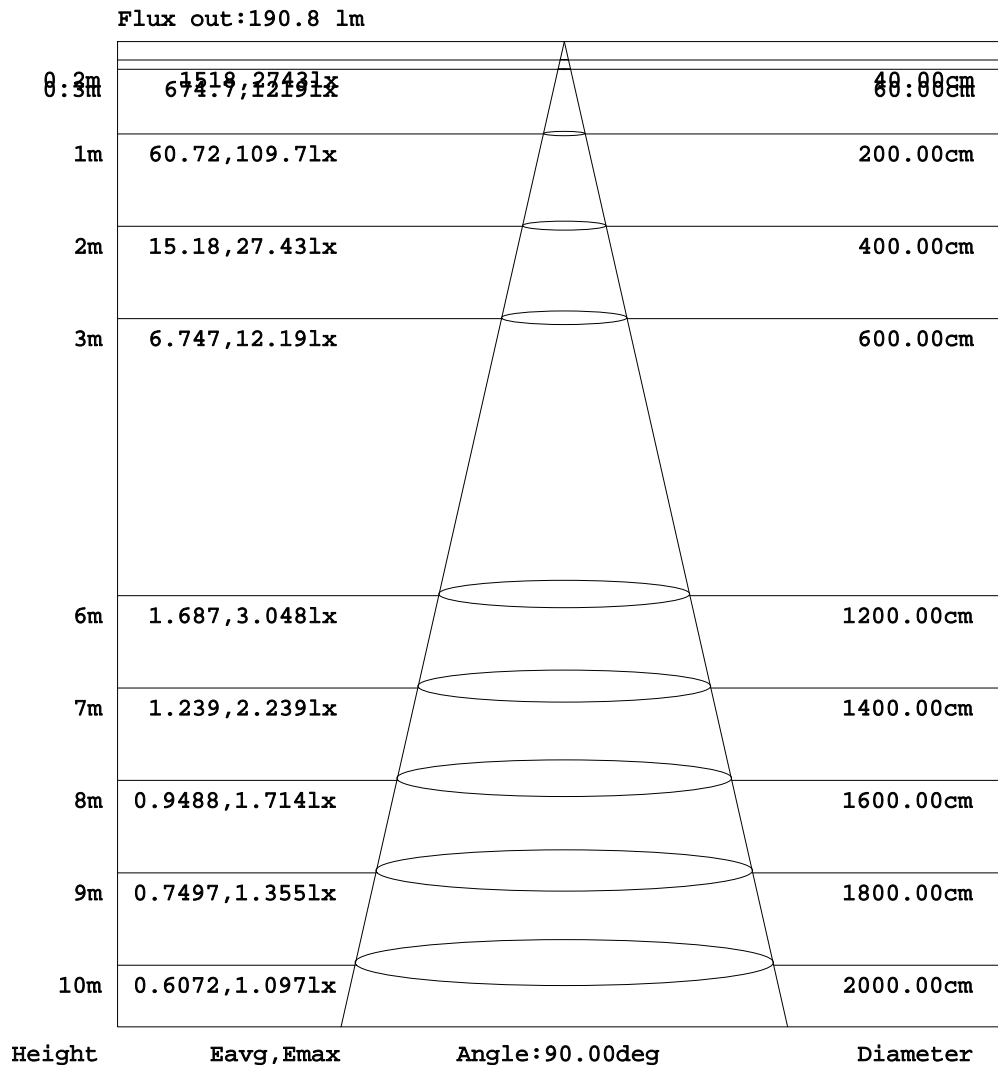
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.429
 Humidity: 48%
 Test Distance: 1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

AAI Figure

Test:U:229.97V I:0.0641A P:7.9912W PF:0.5419 Freq:50.00Hz Lamp Flux:761.905x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023A001
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

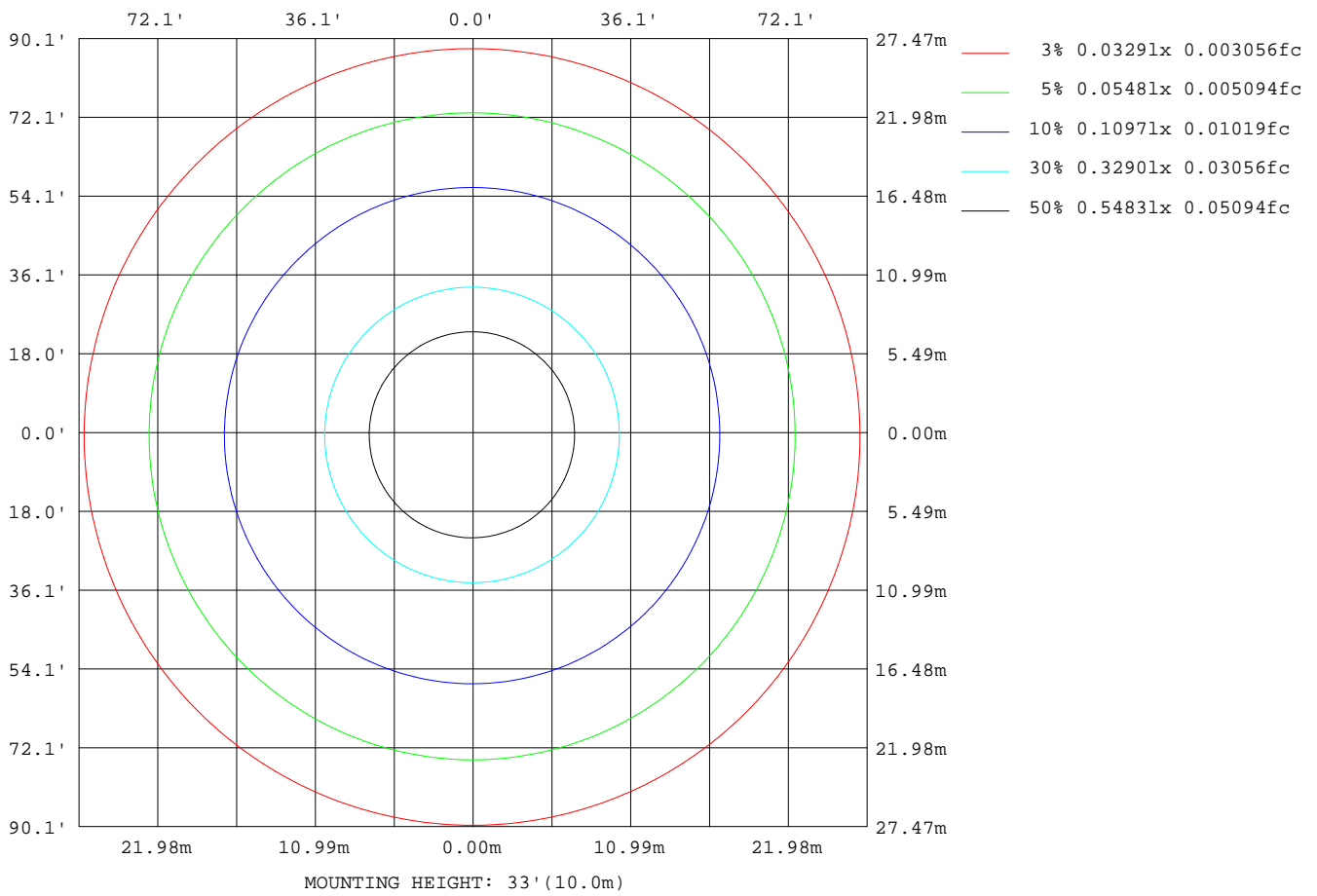
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
 Humidity:48%
 Test Distance:1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

ISOLUX DIAGRAM

Test:U:229.97V I:0.0641A P:7.9912W PF:0.5419 Freq:50.00Hz Lamp Flux:761.905x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023A001
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:0.0641A P:7.9912W PF:0.5419 Freq:50.00Hz Lamp Flux:761.905x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023A001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	644
L_0~180(75)av	940
L_0~180(85)av	2443
L_90~270(65)av	647
L_90~270(75)av	942
L_90~270(85)av	2441
L_45(65)av	645
L_45(75)av	940
L_45(85)av	2441

Standard: GB/T 29293-2012

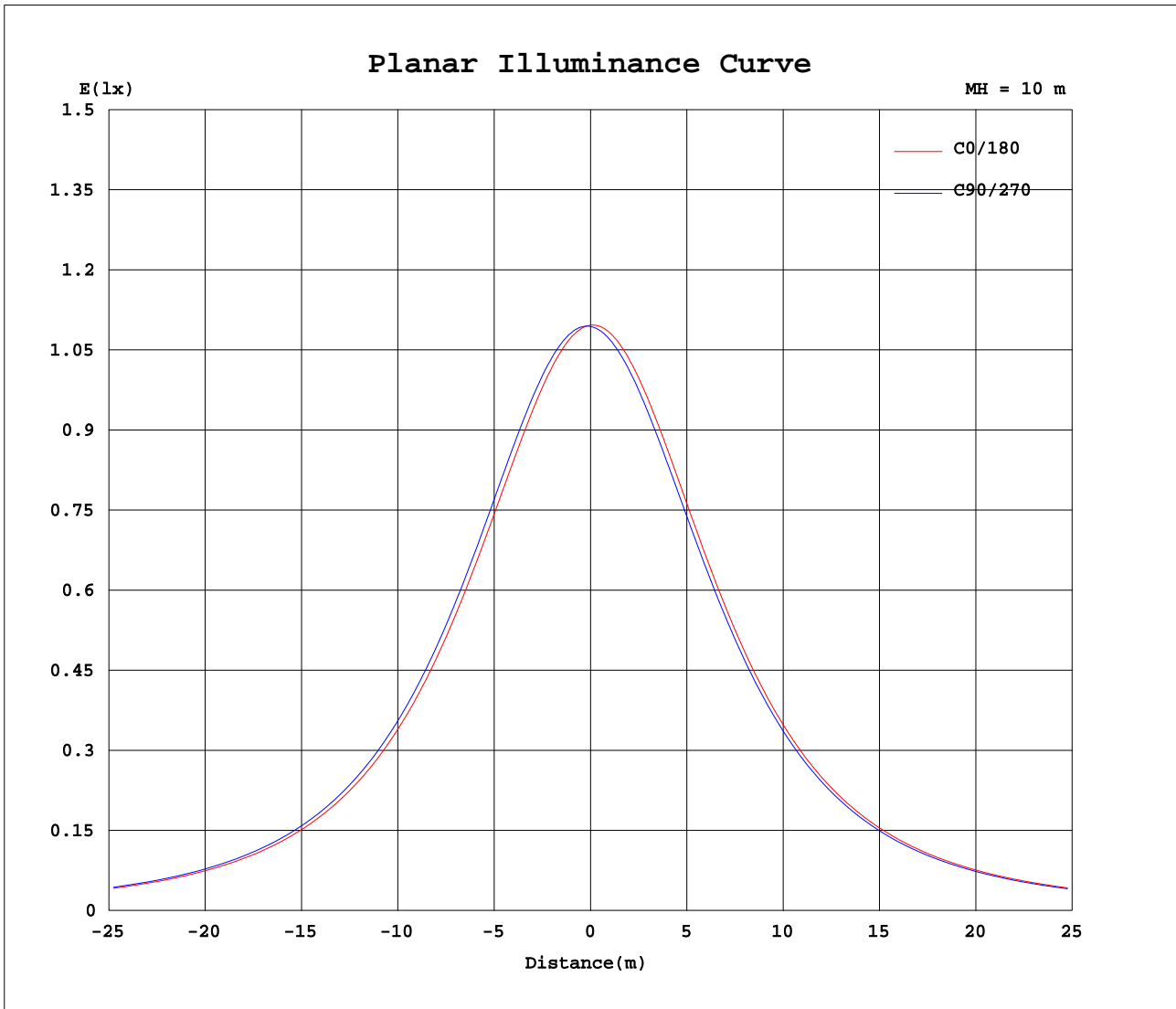
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:LSC
 Test Date:2020-09-22

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.97V I:0.0641A P:7.9912W PF:0.5419 Freq:50.00Hz Lamp Flux:761.905x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023A001
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	110	110	109	109	109	109	110	110	110	110	109	109	109	109	110	110			
5	109	109	109	110	110	110	110	110	110	110	109	109	109	109	109	109			
10	108	109	109	110	110	110	110	110	110	109	108	108	108	108	108	108			
15	107	108	108	109	110	110	110	110	109	108	108	107	106	106	106	107			
20	106	106	107	108	109	109	109	109	108	107	106	106	105	105	105	105			
25	104	105	106	107	108	108	108	108	107	106	105	104	104	103	103	104			
30	103	104	105	106	107	107	107	106	105	104	103	103	102	102	102	102			
35	101	102	103	104	105	105	105	104	104	102	101	101	100	99.8	99.9	100			
40	98.6	99.7	101	102	103	103	103	102	101	100	99.0	98.3	97.8	97.6	97.6	98.2			
45	96.1	97.1	98.7	99.8	101	101	100	99.4	98.5	97.4	96.3	95.6	95.1	94.9	95.0	95.6			
50	93.1	94.2	95.7	96.9	97.5	97.6	97.1	96.2	95.3	94.3	93.1	92.5	92.0	91.8	92.0	92.6			
55	89.8	90.8	92.4	93.5	94.1	94.1	93.5	92.6	91.8	90.7	89.6	89.1	88.6	88.4	88.6	89.2			
60	86.1	87.1	88.7	89.6	90.2	90.1	89.6	88.6	87.8	86.9	85.7	85.2	84.8	84.6	84.9	85.6			
65	82.2	83.1	84.6	85.5	85.9	85.8	85.3	84.3	83.6	82.7	81.5	81.0	80.6	80.5	80.8	81.6			
70	78.0	78.9	80.3	81.1	81.4	81.3	80.7	79.8	79.1	78.3	77.1	76.7	76.3	76.2	76.6	77.3			
75	73.6	74.5	75.8	76.5	76.8	76.6	76.0	75.2	74.6	73.8	72.6	72.2	71.8	71.8	72.2	73.0			
80	69.1	70.0	71.2	71.8	72.0	71.8	71.2	70.5	69.9	69.1	68.0	67.5	67.2	67.2	67.6	68.5			
85	64.6	65.4	66.5	67.0	67.1	66.9	66.4	65.7	65.2	64.5	63.4	62.9	62.5	62.6	63.1	63.9			
90	60.0	60.7	61.8	62.2	62.3	62.1	61.6	61.0	60.5	59.8	58.7	58.2	57.9	58.0	58.4	59.3			
95	55.4	56.1	57.1	57.4	57.5	57.3	56.9	56.3	55.8	55.2	54.1	53.6	53.3	53.4	53.9	54.7			
100	50.9	51.6	52.5	52.8	52.9	52.7	52.3	51.8	51.3	50.7	49.7	49.2	48.9	49.0	49.5	50.3			
105	46.7	47.3	48.1	48.4	48.4	48.2	47.9	47.5	47.0	46.4	45.4	45.0	44.7	44.8	45.3	46.0			
110	42.6	43.1	43.9	44.2	44.2	44.0	43.7	43.3	42.8	42.3	41.4	40.9	40.7	40.8	41.2	41.9			
115	38.7	39.2	39.9	40.1	40.2	40.0	39.7	39.4	38.9	38.4	37.5	37.1	36.9	37.0	37.4	38.1			
120	35.0	35.5	36.2	36.3	36.4	36.2	36.0	35.7	35.2	34.7	33.9	33.6	33.3	33.4	33.8	34.4			
125	31.6	32.0	32.9	32.8	32.8	32.6	32.5	32.2	31.7	31.3	30.5	30.2	30.0	30.1	30.5	31.0			
130	28.4	28.7	29.3	29.5	29.5	29.4	29.2	29.0	28.5	28.1	27.4	27.1	26.9	27.0	27.3	27.8			
135	25.4	25.7	26.2	26.3	26.4	26.3	26.1	25.9	25.5	25.1	24.5	24.2	24.1	24.1	24.4	24.8			
140	22.5	22.9	23.4	23.5	23.5	23.4	23.3	23.1	22.7	22.4	21.8	21.6	21.4	21.5	21.7	22.1			
145	20.0	20.2	20.7	20.8	20.9	20.8	20.7	20.5	20.1	19.9	19.3	19.1	19.0	19.0	19.2	19.5			
150	17.6	17.8	18.3	18.4	18.4	18.4	18.3	18.1	17.7	17.5	17.1	16.9	16.8	16.7	16.7	16.9			
155	15.3	15.5	16.0	16.1	16.2	16.2	16.0	16.0	15.6	15.4	15.0	14.8	14.5	14.1	13.9	13.8			
160	12.4	12.9	13.5	13.6	13.8	13.8	13.6	13.7	13.2	13.1	12.4	12.3	11.7	10.8	10.8	10.4			
165	9.11	9.64	10.4	10.7	10.9	11.0	10.8	10.9	10.3	10.3	9.39	9.20	8.09	7.18	6.09	5.78			
170	3.09	4.05	6.01	6.62	7.13	7.22	7.05	7.10	6.23	6.15	4.86	3.95	2.55	1.21	0.64	0.84			
175	0.17	0.17	0.18	0.19	0.34	0.58	0.73	0.70	0.15	0.16	0.15	0.15	0.15	0.15	0.15	0.16			
180	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.16	0.16	0.16	0.17	0.16	0.16	0.17	0.17	0.17			

C Range: 0 - 360DEG
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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