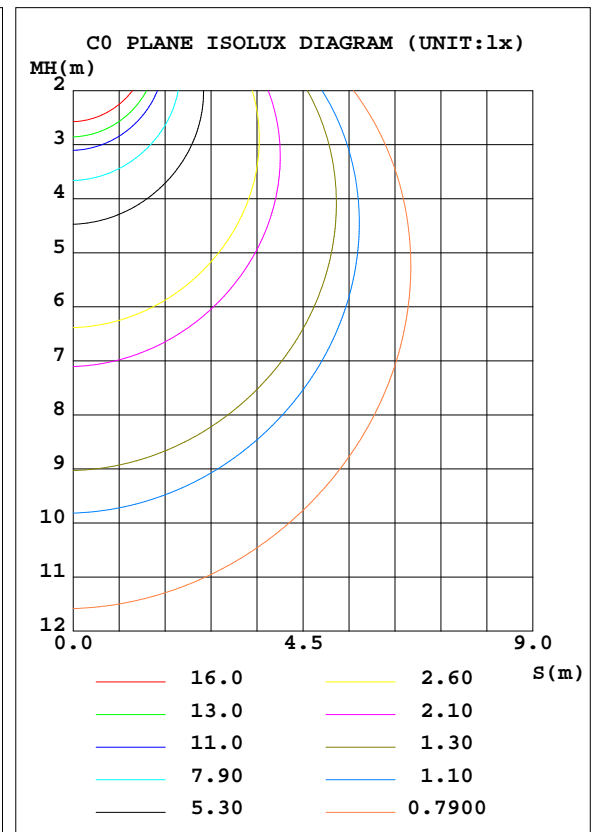
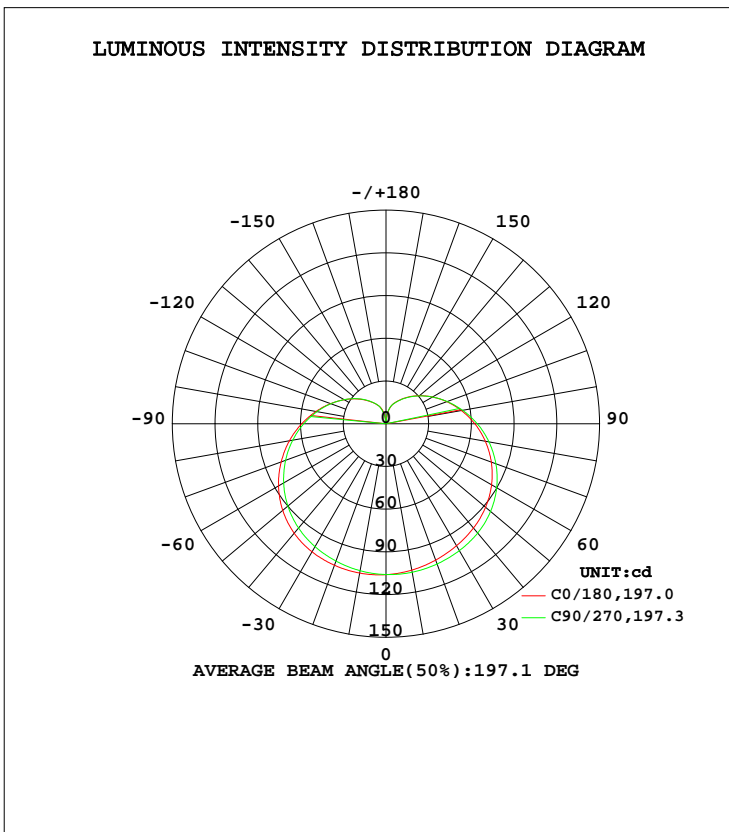


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.96V I:0.0635A P:7.9378W PF:0.5440 Freq:50.00Hz Lamp Flux:759.912x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023C001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.73 lm/W			
MODEL		I _{max} (cd)	106.5	S/MH(C0/180)	1.48
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.42
RATED VOLTAGE(V)		TOTAL FLUX(lm)	759.91	η UP, DN(C0-180)	15.3, 35.9
NOMINAL FLUX(lm)	759.912	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	14.2, 34.6
LAMPS INSIDE	1	η up(%)	29.5	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)		η down(%)	70.5	CIBSE SHR MAX	1.75



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	104.4	105.1	105.9	106.2	106.5	105.7	104.8	104.1	0- 10	10.08	10.08	1.33,1.33
20	101.9	103.2	104.9	105.7	105.8	104.2	102.7	101.6	10- 20	29.62	39.70	5.22,5.22
30	98.95	100.7	103.0	104.1	103.9	101.7	99.68	98.55	20- 30	47.44	87.14	11.5,11.5
40	95.62	97.67	100.2	101.1	100.3	97.59	95.56	94.87	30- 40	62.58	149.7	19.7,19.7
50	91.29	93.58	95.86	96.18	94.67	91.59	89.96	90.03	40- 50	73.91	223.6	29.4,29.4
60	85.63	88.02	89.76	89.24	87.17	84.01	82.99	83.90	50- 60	80.45	304.1	40,40
70	78.71	81.08	82.11	80.80	78.31	75.38	75.01	76.60	60- 70	81.84	385.9	50.8,50.8
80	70.83	73.02	73.42	71.45	68.87	66.30	66.51	68.54	70- 80	78.50	464.4	61.1,61.1
90	62.39	64.30	64.11	61.74	59.20	57.07	57.77	60.05	80- 90	71.30	535.7	70.5,70.5
100	53.80	55.42	54.68	52.22	49.95	48.29	49.25	51.60	90-100	61.48	597.2	78.6,78.6
110	45.47	46.76	45.77	43.44	41.45	40.19	41.24	43.49	100-110	50.43	647.6	85.2,85.2
120	37.73	38.73	37.67	35.58	33.87	32.92	33.96	35.98	110-120	39.33	687.0	90.4,90.4
130	30.77	31.52	30.53	28.73	27.23	26.53	27.50	29.25	120-130	29.06	716.0	94.2,94.2
140	24.59	25.15	24.30	22.80	21.54	21.00	21.83	23.29	130-140	20.17	736.2	96.9,96.9
150	19.28	19.72	19.04	17.83	16.76	16.35	16.96	18.11	140-150	12.92	749.1	98.6,98.6
160	14.86	15.25	14.74	13.79	12.76	12.33	12.47	12.85	150-160	7.378	756.5	99.5,99.5
170	8.436	9.472	9.140	8.028	6.357	5.298	4.140	3.732	160-170	3.107	759.6	100,100
180	0.1544	0.1561	0.1590	0.1610	0.1536	0.1579	0.1587	0.1628	170-180	0.3137	759.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 185.54 lm

%lum = 24.4%
%lamp = 24.4%

Conical surface Flux(120deg): 304.07 lm

%lum = 40.0%
%lamp = 40.0%

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

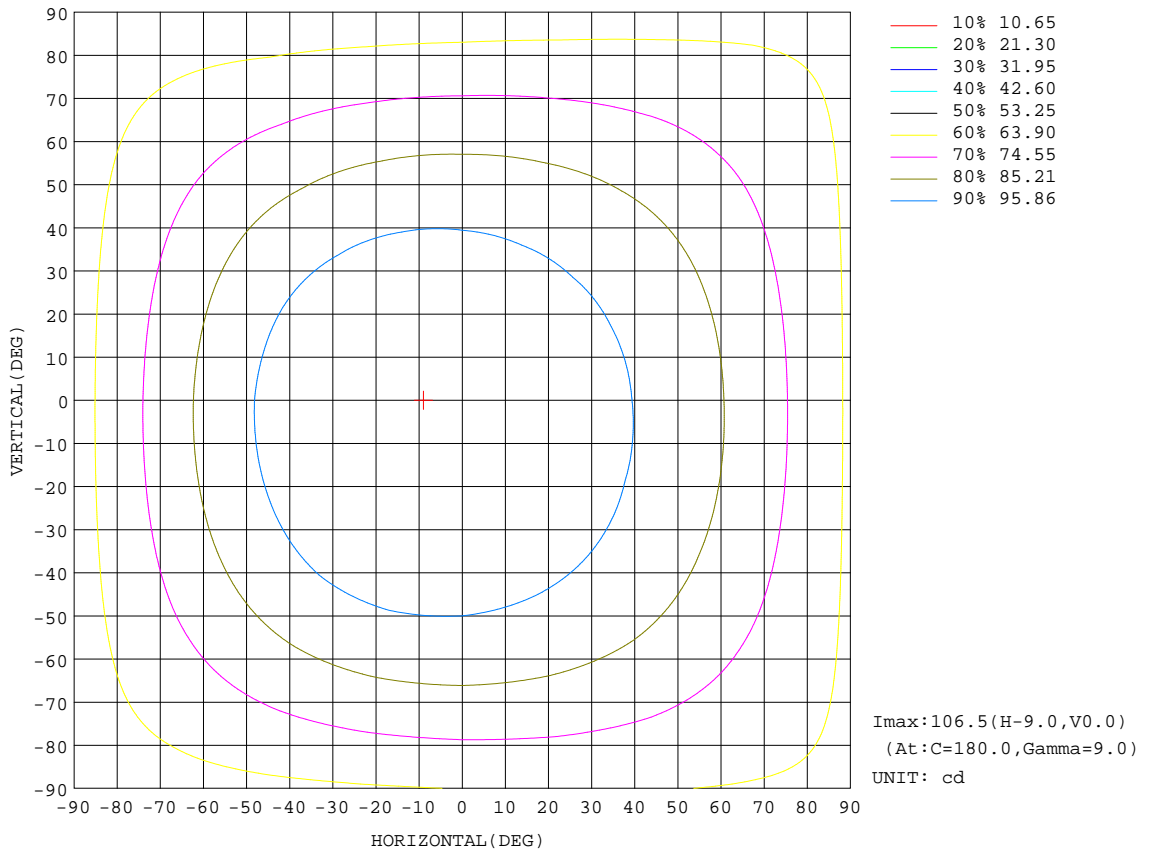
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.533m [K=1.0000]
Remarks:

Checker:

Assessor: LiHua

ISOCANDELA DIAGRAM

Test:U:229.96V I:0.0635A P:7.9378W PF:0.5440 Freq:50.00Hz Lamp Flux:759.912x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023C001
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

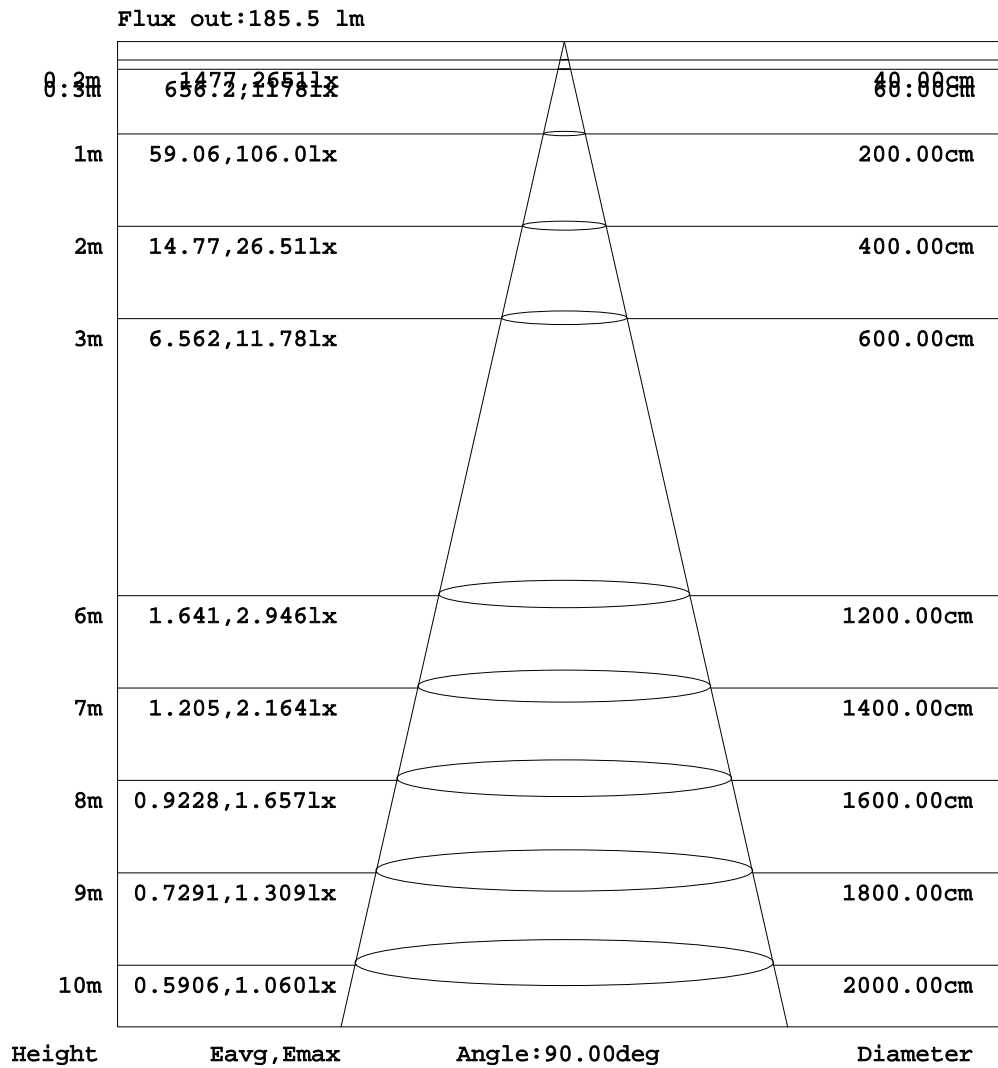
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.429
 Humidity: 48%
 Test Distance: 1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

AAI Figure

Test:U:229.96V I:0.0635A P:7.9378W PF:0.5440 Freq:50.00Hz Lamp Flux:759.912x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023C001
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

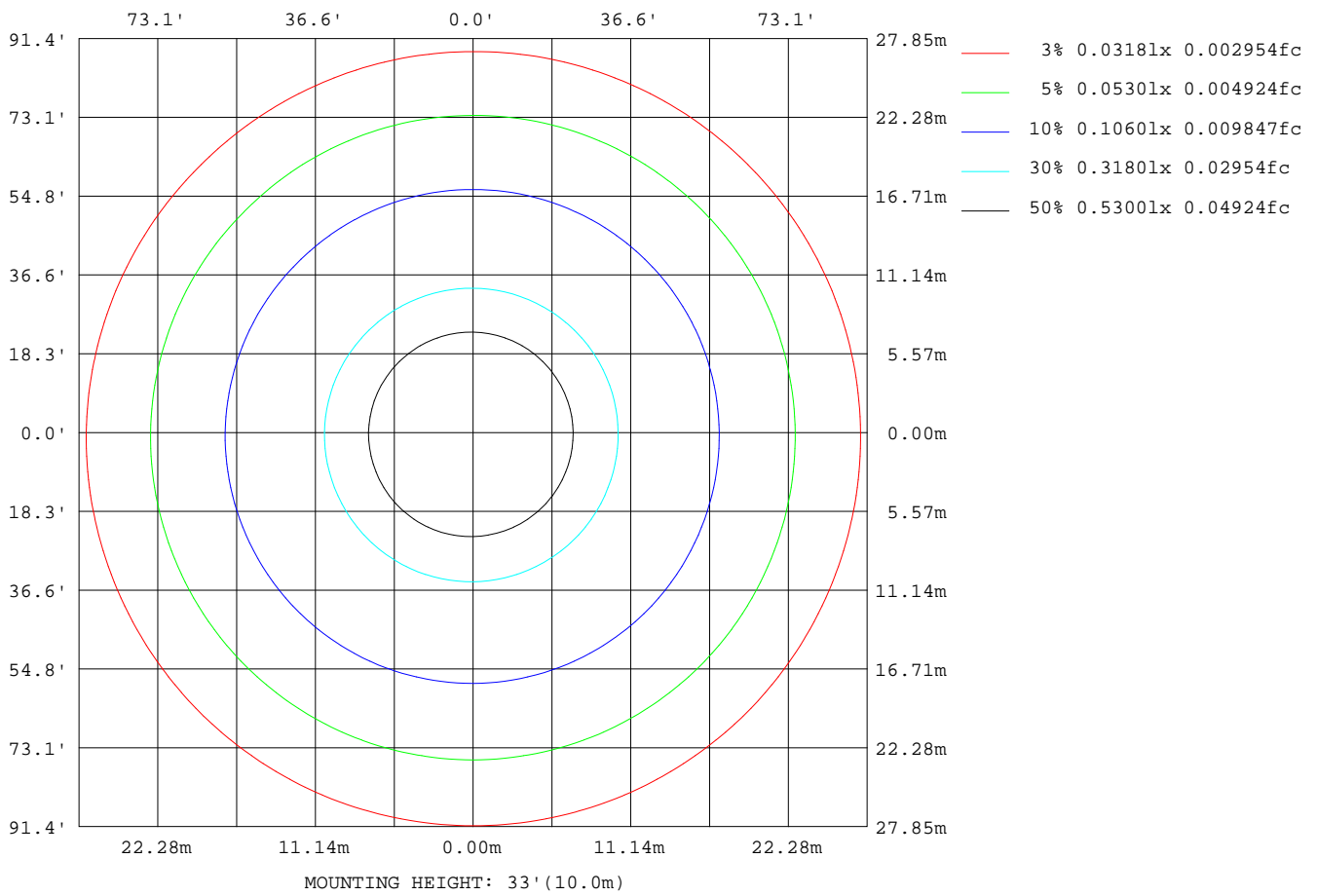
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
 Humidity:48%
 Test Distance:1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

ISOLUX DIAGRAM

Test:U:229.96V I:0.0635A P:7.9378W PF:0.5440 Freq:50.00Hz Lamp Flux:759.912x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023C001
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:229.96V I:0.0635A P:7.9378W PF:0.5440 Freq:50.00Hz Lamp Flux:759.912x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023C001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	641
L_0~180(75)av	942
L_0~180(85)av	2460
L_90~270(65)av	641
L_90~270(75)av	943
L_90~270(85)av	2466
L_45(65)av	641
L_45(75)av	941
L_45(85)av	2460

Standard: GB/T 29293-2012

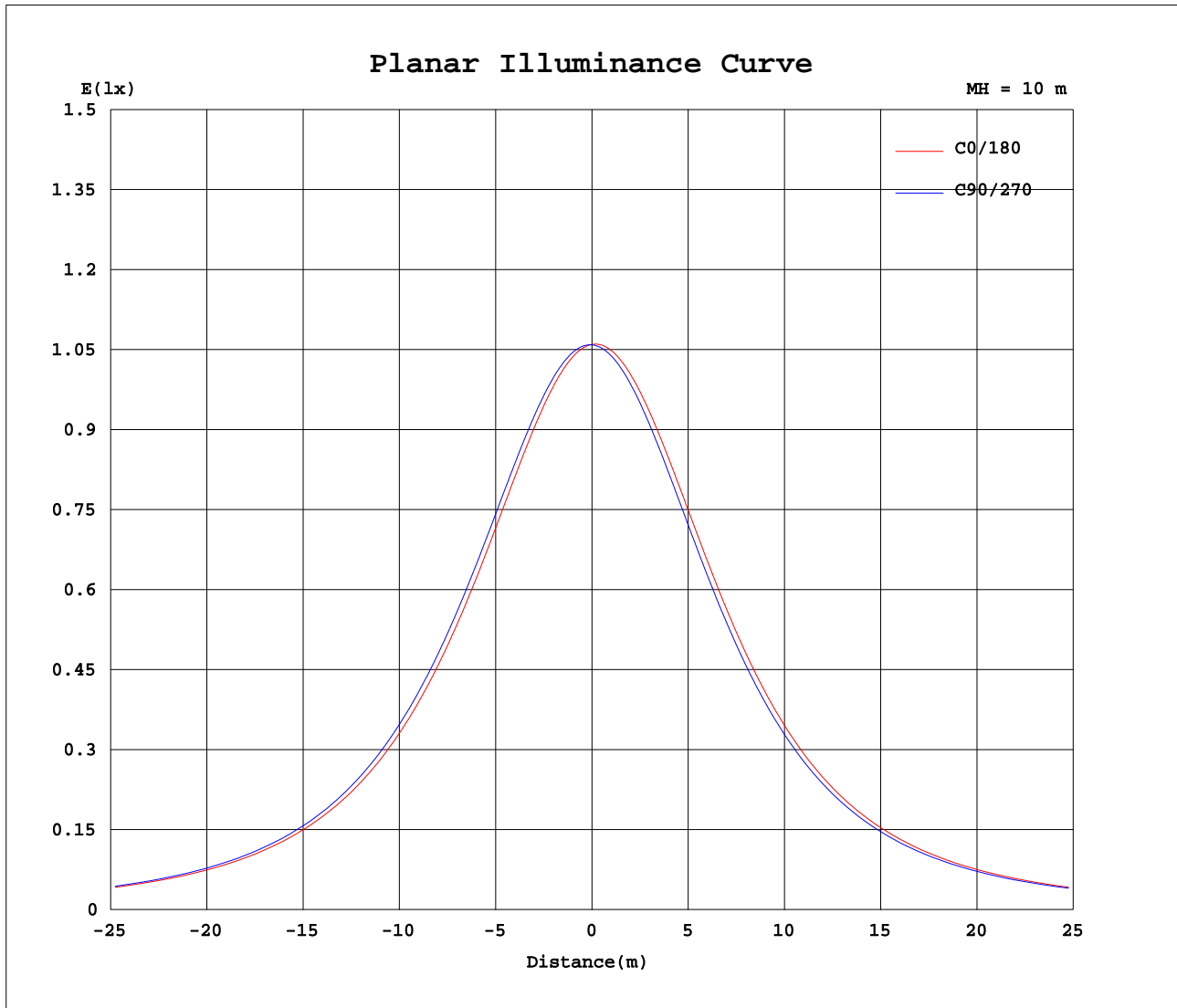
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:LSC
 Test Date:2020-09-22

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:229.96V I:0.0635A P:7.9378W PF:0.5440 Freq:50.00Hz Lamp Flux:759.912x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_s_9aSA-A806ST-Q1	DIM.:	SERIAL No.: A2017023C001
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	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106			
5	105	105	106	106	106	106	106	106	106	106	106	106	105	105	105	105			
10	104	105	105	106	106	106	106	106	106	106	106	105	105	104	104	104			
15	103	104	104	105	105	106	106	106	106	106	105	104	104	103	103	103			
20	102	102	103	104	105	105	106	106	106	106	105	104	103	103	102	102	102		
25	100	101	102	103	104	105	105	105	105	104	103	102	101	101	100	100			
30	99.0	99.6	101	102	103	104	104	104	104	103	102	101	99.7	99.0	98.6	98.6			
35	97.4	98.1	99.3	101	102	103	103	103	102	101	99.9	98.7	97.8	97.2	96.8	97.0			
40	95.6	96.4	97.7	99.0	100	101	101	101	100	99.1	97.6	96.4	95.6	95.1	94.9	95.1			
45	93.6	94.5	95.8	97.1	98.2	98.9	98.9	98.3	97.7	96.4	94.8	93.7	92.9	92.6	92.6	93.0			
50	91.3	92.2	93.6	94.8	95.9	96.4	96.2	95.4	94.7	93.2	91.6	90.6	90.0	89.8	90.0	90.6			
55	88.6	89.6	91.0	92.1	93.0	93.3	92.9	91.9	91.1	89.6	88.0	87.1	86.6	86.7	87.1	87.9			
60	85.6	86.6	88.0	89.1	89.8	89.8	89.2	88.1	87.2	85.7	84.0	83.3	83.0	83.3	83.9	84.8			
65	82.3	83.3	84.7	85.6	86.1	86.0	85.2	83.9	82.9	81.3	79.8	79.2	79.1	79.6	80.4	81.4			
70	78.7	79.7	81.1	81.9	82.1	81.7	80.8	79.4	78.3	76.8	75.4	75.0	75.0	75.6	76.6	77.8			
75	74.9	75.9	77.2	77.8	77.9	77.3	76.2	74.8	73.6	72.2	70.9	70.6	70.8	71.6	72.7	74.0			
80	70.8	71.8	73.0	73.6	73.4	72.7	71.5	70.0	68.9	67.5	66.3	66.2	66.5	67.3	68.5	69.9			
85	66.6	67.6	68.7	69.2	68.8	67.9	66.6	65.1	64.0	62.8	61.7	61.7	62.1	63.1	64.3	65.6			
90	62.4	63.3	64.3	64.6	64.1	63.1	61.7	60.3	59.2	58.1	57.1	57.2	57.8	58.8	60.0	61.4			
95	58.1	58.9	59.9	60.0	59.4	58.3	56.9	55.5	54.5	53.5	52.6	52.8	53.5	54.5	55.8	57.1			
100	53.8	54.6	55.4	55.4	54.7	53.6	52.2	50.9	50.0	49.1	48.3	48.5	49.2	50.3	51.6	52.9			
105	49.6	50.3	51.0	50.9	50.1	49.0	47.7	46.5	45.6	44.8	44.1	44.4	45.2	46.3	47.5	48.7			
110	45.5	46.1	46.8	46.5	45.8	44.7	43.4	42.3	41.4	40.8	40.2	40.5	41.2	42.3	43.5	44.6			
115	41.5	42.1	42.7	42.4	41.6	40.5	39.4	38.3	37.5	37.0	36.4	36.8	37.5	38.6	39.6	40.7			
120	37.7	38.2	38.7	38.4	37.7	36.6	35.6	34.6	33.9	33.4	32.9	33.2	34.0	35.0	36.0	37.0			
125	34.1	34.6	35.0	34.6	34.0	32.9	32.0	31.2	30.4	30.0	29.6	29.9	30.6	31.6	32.5	33.4			
130	30.8	31.1	31.5	31.2	30.5	29.6	28.7	27.9	27.2	26.9	26.5	26.8	27.5	28.4	29.2	30.1			
135	27.6	27.9	28.2	27.9	27.3	26.5	25.6	24.9	24.3	23.9	23.7	24.0	24.6	25.4	26.2	26.9			
140	24.6	24.9	25.2	24.9	24.3	23.6	22.8	22.1	21.5	21.3	21.0	21.3	21.8	22.5	23.3	24.0			
145	21.8	22.1	22.3	22.1	21.6	20.9	20.2	19.6	19.0	18.8	18.6	18.8	19.3	19.9	20.6	21.2			
150	19.3	19.5	19.7	19.5	19.0	18.4	17.8	17.3	16.8	16.6	16.4	16.5	17.0	17.5	18.1	18.7			
155	17.0	17.1	17.4	17.2	16.8	16.3	15.7	15.2	14.7	14.6	14.4	14.5	14.8	15.3	15.7	16.2			
160	14.9	15.0	15.2	15.1	14.7	14.3	13.8	13.3	12.8	12.7	12.3	12.4	12.5	12.3	12.9	13.3			
165	12.2	12.5	12.8	12.7	12.4	11.9	11.3	10.9	10.1	10.1	9.38	9.40	8.90	8.76	9.62	9.80			
170	8.44	8.88	9.47	9.41	9.14	8.66	8.03	7.51	6.36	6.27	5.30	5.00	4.14	4.34	3.73	4.51			
175	0.87	0.83	2.67	3.14	3.15	2.62	1.98	0.85	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15			
180	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
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 Remarks:

Checker:

Assessor: LiHua