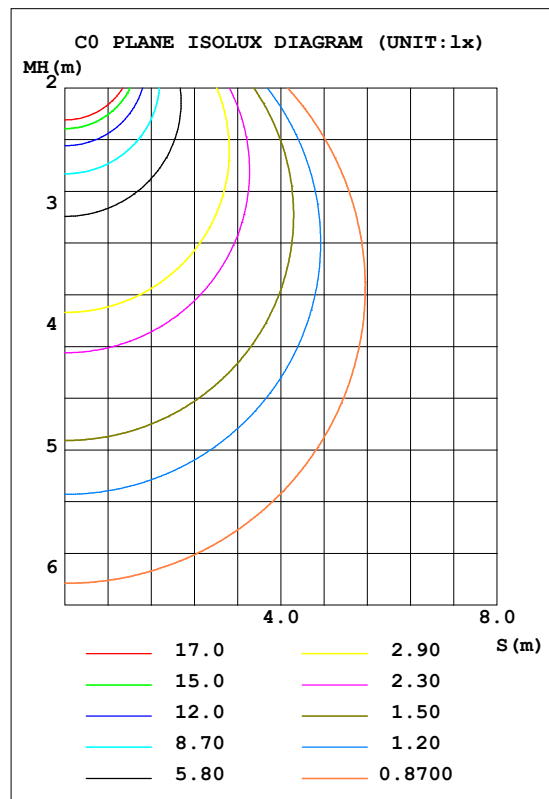
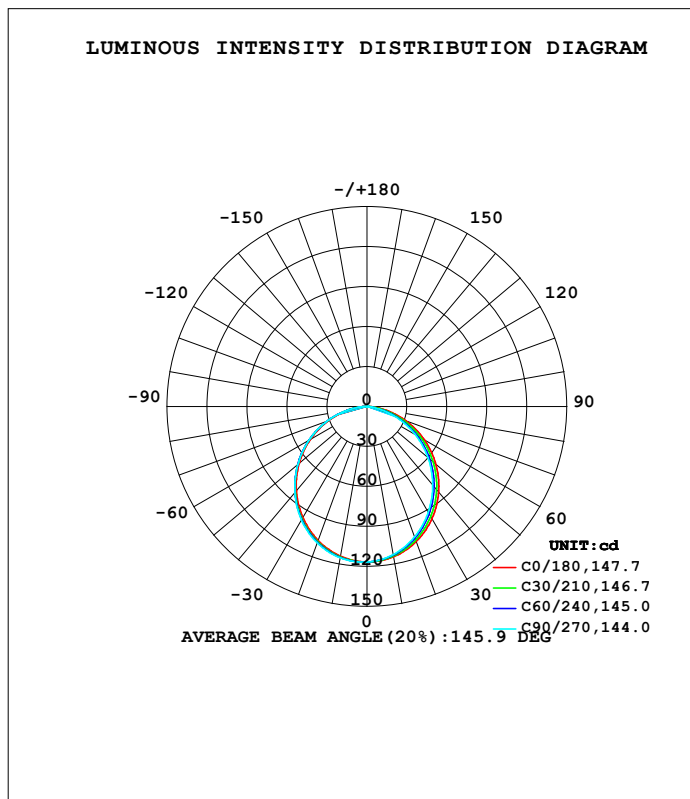


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.03V I:0.0702A P:5.9906W PF:0.7110 Freq:59.98Hz Lamp Flux:317.323x1 lm		
NAME: ASD-UCS-12D5CC-XX 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-UCS-12D5CC-XX	Imax (cd)	116.9	S/MH (C0/180)	1.23
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	317.32	h UP, DN (C0-180)	0.3, 47.7
NOMINAL FLUX (lm)	317.323	CIE CLASS	DIRECT	h UP, DN (C180-360)	0.2, 51.7
LAMPS INSIDE	1	h up (%)	0.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	h down (%)	99.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	114.6	113.7	112.9	113.2	114.1	114.8	115.4	115.3	0- 10	11.02	11.02	3.47,3.47
20	108.0	106.0	104.3	105.1	107.1	108.2	109.0	109.1	10- 20	31.37	42.39	13.4,13.4
30	97.45	94.51	91.95	93.24	96.24	97.60	98.41	98.73	20- 30	46.99	89.39	28.2,28.2
40	83.77	80.01	76.83	78.64	82.49	83.76	84.25	84.94	30- 40	55.82	145.2	45.8,45.8
50	67.59	63.34	59.88	62.03	66.40	67.71	67.70	68.26	40- 50	56.94	202.1	63.7,63.7
60	49.63	45.14	41.58	44.00	48.73	49.95	50.08	49.81	50- 60	50.51	252.7	79.6,79.6
70	30.67	26.27	22.90	25.49	30.18	31.25	31.44	31.32	60- 70	37.64	290.3	91.5,91.5
80	12.80	8.932	6.215	8.507	12.80	13.30	12.92	12.74	70- 80	20.68	311.0	98,98
90	0.0861	0.0867	0.0954	0.0996	0.0693	0.0352	0.0194	0.0164	80- 90	4.708	315.7	99.5,99.5
100	0.1485	0.1669	0.1771	0.1616	0.1031	0.0894	0.0746	0.0786	90-100	0.0981	315.8	99.5,99.5
110	0.2545	0.2743	0.2660	0.2564	0.2140	0.1943	0.1587	0.1726	100-110	0.1795	316.0	99.6,99.6
120	0.3618	0.3352	0.3387	0.3293	0.2979	0.2540	0.2513	0.2563	110-120	0.2597	316.2	99.7,99.7
130	0.4221	0.4046	0.3955	0.3976	0.3421	0.3086	0.3017	0.3154	120-130	0.2977	316.5	99.7,99.7
140	0.4279	0.4526	0.4282	0.4396	0.3393	0.3210	0.3344	0.3343	130-140	0.2881	316.8	99.8,99.8
150	0.3988	0.4398	0.4825	0.4145	0.3059	0.2870	0.3526	0.3118	140-150	0.2402	317.0	99.9,99.9
160	0.3634	0.3761	0.3930	0.3302	0.2682	0.2314	0.2685	0.2665	150-160	0.1622	317.2	100,100
170	0.3253	0.3409	0.3125	0.3052	0.2518	0.2360	0.2556	0.2712	160-170	0.0841	317.3	100,100
180	0.3036	0.3201	0.3128	0.3179	0.3017	0.3217	0.3208	0.3213	170-180	0.0279	317.3	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.0702A P:5.9906W PF:0.7110 Freq:59.98Hz Lamp Flux:317.323x1 lm										
NAME: ASD-UCS-12D5CC-XX 4000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	7.2	8.7	7.5	8.9	9.2	6.5	8.0	6.8	8.3	8.5
3H	8.7	10.1	9.0	10.4	10.6	7.8	9.1	8.1	9.4	9.6
4H	9.3	10.6	9.7	10.9	11.2	8.1	9.4	8.5	9.7	10.0
6H	9.8	11.0	10.1	11.3	11.6	8.3	9.5	8.6	9.8	10.1
8H	9.9	11.1	10.2	11.4	11.7	8.3	9.5	8.6	9.8	10.1
12H	10.0	11.1	10.3	11.4	11.7	8.2	9.4	8.6	9.7	10.0
4H 2H	7.7	9.0	8.0	9.3	9.6	7.2	8.5	7.5	8.7	9.0
3H	9.4	10.5	9.7	10.8	11.2	8.5	9.7	8.9	10.0	10.3
4H	10.1	11.1	10.5	11.5	11.8	9.0	10.1	9.4	10.4	10.7
3H	10.6	11.6	11.0	11.9	12.3	9.2	10.2	9.7	10.5	10.9
4H	10.8	11.7	11.2	12.1	12.5	9.3	10.1	9.7	10.5	10.9
6H	10.9	11.7	11.4	12.1	12.6	9.2	10.0	9.7	10.4	10.8
8H	10.2	11.1	10.7	11.5	11.9	9.3	10.1	9.7	10.5	10.9
12H	10.9	11.6	11.3	12.0	12.5	9.6	10.3	10.0	10.7	11.2
8H 4H	11.1	11.8	11.6	12.2	12.7	9.6	10.3	10.1	10.7	11.2
6H	11.3	11.9	11.8	12.3	12.8	9.6	10.2	10.1	10.6	11.1
8H	10.2	11.0	10.7	11.4	11.8	9.3	10.1	9.7	10.5	10.9
6H	10.9	11.5	11.4	12.0	12.4	9.6	10.3	10.1	10.7	11.2
8H	11.2	11.7	11.7	12.2	12.7	9.7	10.2	10.2	10.7	11.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.2H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				

12H 4H
CIE Pub.117, 317.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.0)
6H

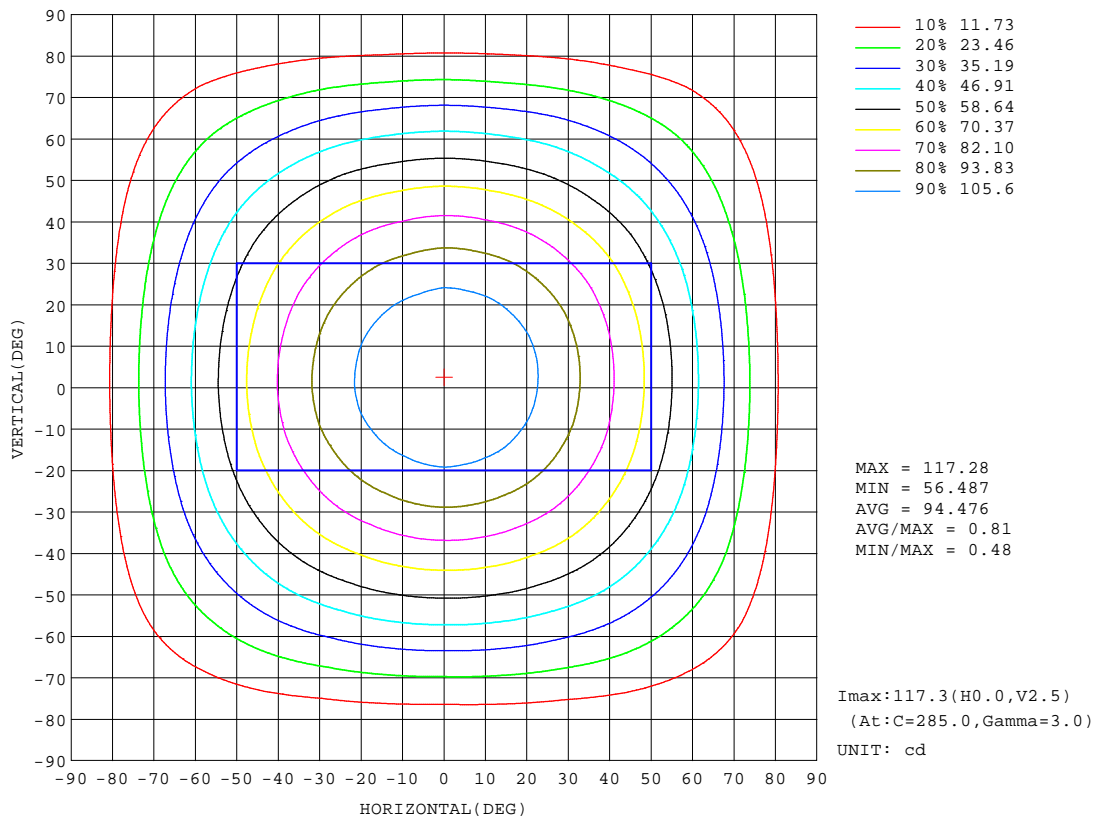
8H

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:07 October 2020

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.03V I:0.0702A P:5.9906W PF:0.7110 Freq:59.98Hz Lamp Flux:317.323x1 lm		
NAME: ASD-UCS-12D5CC-XX 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



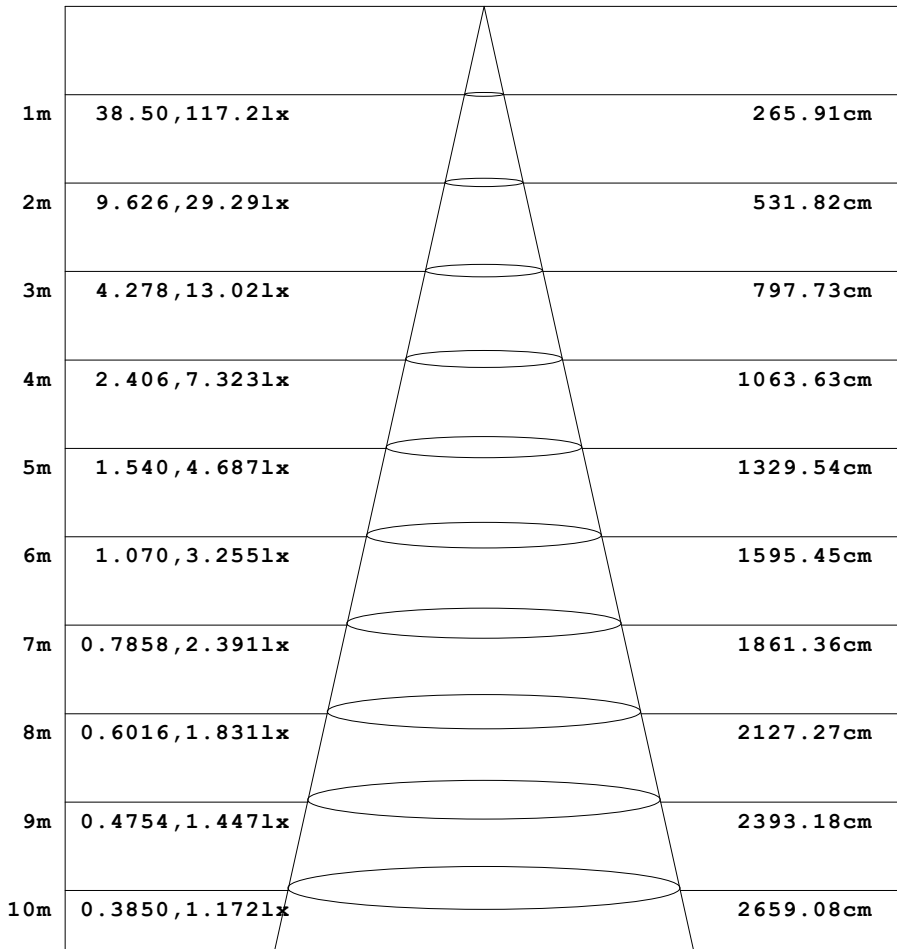
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.03V I:0.0702A P:5.9906W PF:0.7110 Freq:59.98Hz Lamp Flux:317.323x1 lm		
NAME: ASD-UCS-12D5CC-XX 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:220.9 lm



Height Eavg, Emax Angle:106.10deg Diameter

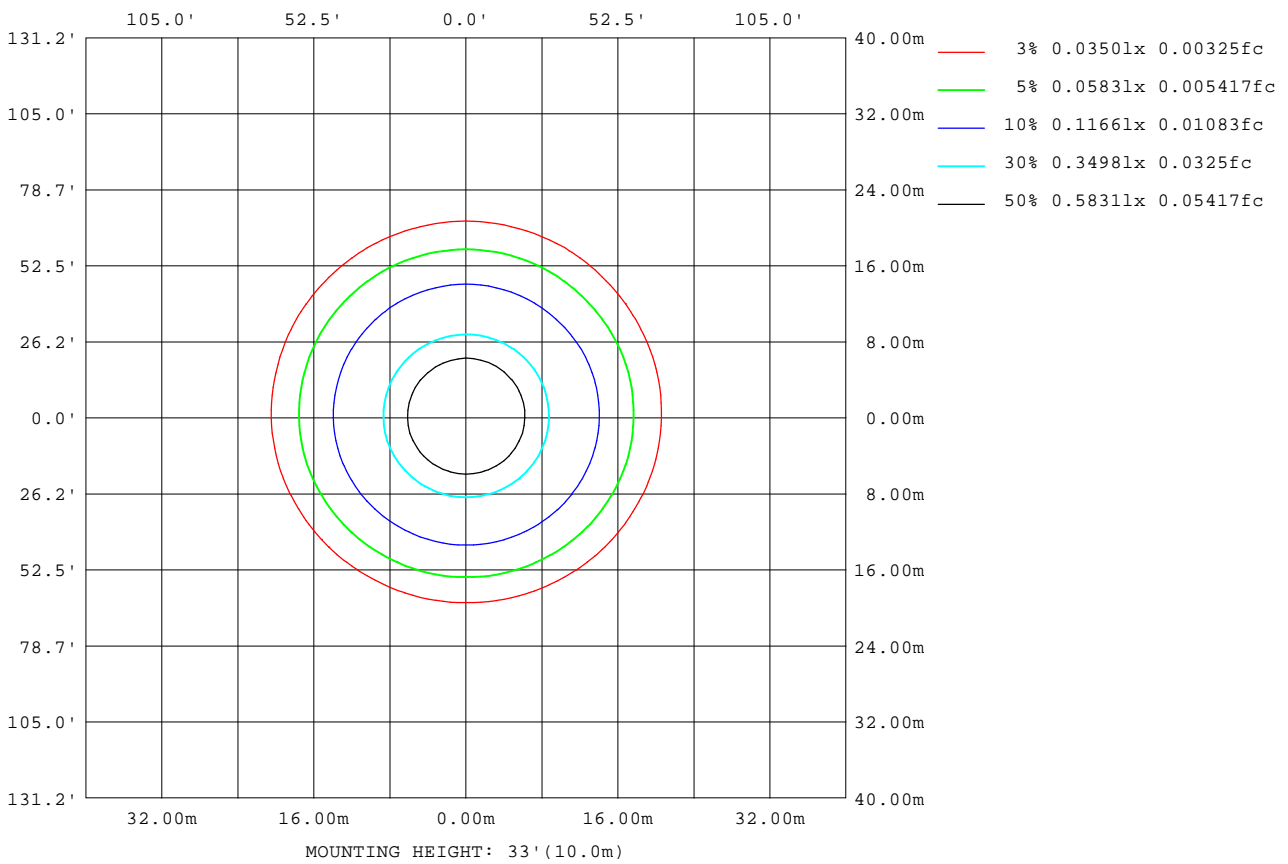
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.03V I:0.0702A P:5.9906W PF:0.7110 Freq:59.98Hz Lamp Flux:317.323x1 lm		
NAME: ASD-UCS-12D5CC-XX 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.03V I:0.0702A P:5.9906W PF:0.7110 Freq:59.98Hz Lamp Flux:317.323x1 lm		
NAME: ASD-UCS-12D5CC-XX 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

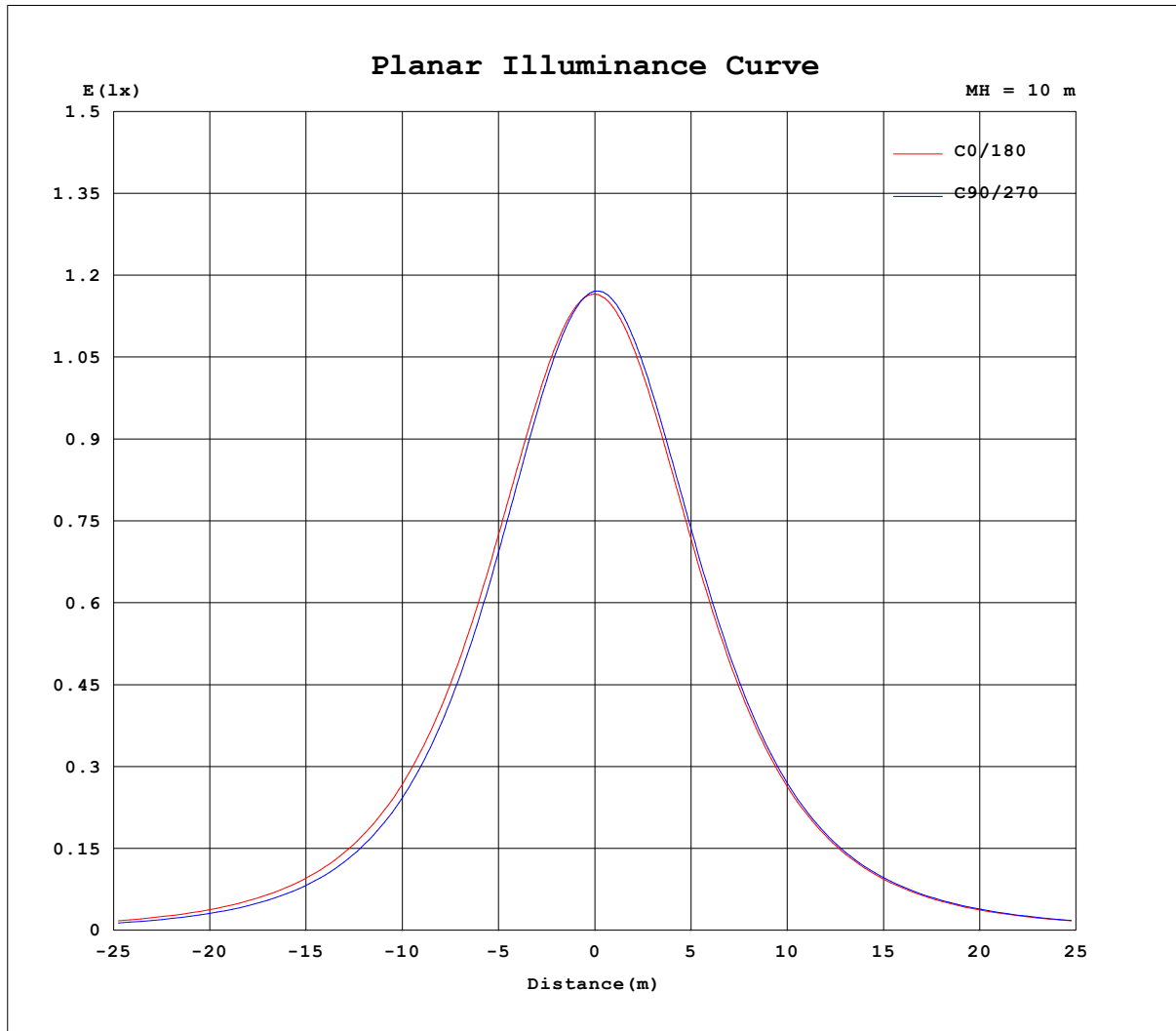
AvgL	cd/m2
L_0~180 (65) av	188
L_0~180 (75) av	164
L_0~180 (85) av	127
L_90~270 (65) av	173
L_90~270 (75) av	139
L_90~270 (85) av	62
L_45 (65) av	179
L_45 (75) av	151
L_45 (85) av	81

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.03V I:0.0702A P:5.9906W PF:0.7110 Freq:59.98Hz Lamp Flux:317.323x1 lm		
NAME: ASD-UCS-12D5CC-XX 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
5	116	116	116	116	116	116	115	115	115	116	116	116	116	116	116	116	117	117	117
10	115	114	114	114	113	113	113	113	113	113	113	114	114	114	115	115	115	115	115
15	112	111	111	110	110	110	109	109	109	110	110	111	111	111	112	112	112	113	113
20	108	108	107	106	105	105	104	104	104	105	106	106	107	107	108	108	109	109	109
25	103	103	102	101	99.7	99.1	98.5	98.6	98.8	99.6	100	101	102	103	103	103	104	104	104
30	97.4	96.8	95.6	94.5	93.2	92.6	92.0	92.1	92.3	93.2	94.2	95.4	96.2	96.8	97.4	97.6	98.0	98.1	98.4
35	90.9	90.2	88.8	87.6	86.1	85.4	84.7	84.8	85.1	86.2	87.3	88.7	89.7	90.3	90.9	91.0	91.4	91.3	91.7
40	83.8	82.9	81.4	80.0	78.4	77.6	76.8	77.0	77.4	78.6	79.8	81.4	82.5	83.0	83.8	83.8	84.0	83.9	84.2
45	75.9	75.1	73.4	71.9	70.2	69.3	68.6	68.7	69.2	70.5	71.9	73.5	74.7	75.3	75.9	76.0	76.2	75.9	76.2
50	67.6	66.7	64.9	63.3	61.5	60.6	59.9	60.1	60.6	62.0	63.4	65.2	66.4	67.0	67.7	67.7	67.9	67.5	67.7
55	58.8	57.8	56.0	54.4	52.6	51.6	50.9	51.1	51.6	53.2	54.6	56.5	57.7	58.3	59.0	59.0	59.3	58.9	59.0
60	49.6	48.6	46.7	45.1	43.3	42.4	41.6	41.9	42.4	44.0	45.5	47.4	48.7	49.3	49.9	49.9	50.2	50.0	50.1
65	40.1	39.2	37.3	35.7	33.9	33.0	32.2	32.5	33.1	34.7	36.2	38.1	39.5	40.0	40.7	40.6	40.9	40.8	40.9
70	30.7	29.7	27.8	26.3	24.5	23.6	22.9	23.3	23.9	25.5	26.9	28.8	30.2	30.7	31.3	31.2	31.5	31.3	31.4
75	21.4	20.5	18.7	17.3	15.5	14.8	14.0	14.5	15.0	16.6	18.0	19.9	21.1	21.6	22.2	22.0	22.3	21.9	22.0
80	12.8	12.0	10.2	8.93	7.45	6.72	6.21	6.53	7.11	8.51	9.78	11.6	12.8	13.1	13.6	13.3	13.2	12.7	12.9
85	5.52	4.71	3.17	1.97	1.02	0.71	0.52	0.66	0.89	1.76	2.90	4.46	5.58	5.89	5.37	5.15	5.00	4.72	4.89
90	0.09	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.07	0.05	0.04	0.03	0.02	0.02
95	0.10	0.11	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.13	0.07	0.09	0.06	0.07	0.05	0.05	0.04
100	0.15	0.15	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.16	0.14	0.14	0.10	0.10	0.09	0.09	0.10	0.09	0.07
105	0.20	0.20	0.21	0.22	0.23	0.20	0.20	0.20	0.20	0.20	0.21	0.19	0.16	0.15	0.14	0.13	0.13	0.12	0.11
110	0.25	0.25	0.26	0.27	0.27	0.24	0.27	0.26	0.23	0.26	0.24	0.25	0.21	0.20	0.19	0.19	0.17	0.16	0.16
115	0.31	0.30	0.32	0.32	0.30	0.29	0.30	0.31	0.30	0.29	0.29	0.30	0.26	0.24	0.23	0.22	0.22	0.22	0.21
120	0.36	0.35	0.37	0.34	0.33	0.33	0.34	0.34	0.33	0.33	0.34	0.34	0.30	0.29	0.27	0.25	0.25	0.25	0.25
125	0.40	0.38	0.38	0.37	0.36	0.37	0.37	0.37	0.36	0.37	0.38	0.38	0.33	0.31	0.30	0.28	0.27	0.27	0.27
130	0.42	0.41	0.41	0.40	0.40	0.40	0.40	0.39	0.39	0.40	0.40	0.39	0.34	0.33	0.31	0.31	0.30	0.30	0.30
135	0.43	0.42	0.43	0.43	0.42	0.42	0.42	0.41	0.41	0.42	0.42	0.40	0.34	0.33	0.31	0.32	0.32	0.32	0.32
140	0.43	0.42	0.43	0.45	0.45	0.44	0.43	0.43	0.44	0.44	0.41	0.40	0.34	0.32	0.31	0.32	0.34	0.33	0.33
145	0.41	0.41	0.43	0.46	0.48	0.48	0.47	0.46	0.46	0.44	0.40	0.38	0.32	0.30	0.30	0.31	0.33	0.34	0.36
150	0.40	0.40	0.41	0.44	0.48	0.49	0.48	0.46	0.45	0.41	0.38	0.37	0.31	0.29	0.27	0.29	0.32	0.34	0.35
155	0.39	0.39	0.40	0.41	0.44	0.47	0.47	0.45	0.40	0.38	0.36	0.36	0.28	0.27	0.27	0.25	0.28	0.31	0.33
160	0.36	0.38	0.37	0.38	0.39	0.41	0.39	0.38	0.36	0.33	0.33	0.34	0.27	0.25	0.25	0.23	0.24	0.26	0.27
165	0.33	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.32	0.31	0.31	0.31	0.24	0.23	0.22	0.23	0.24	0.24	0.24
170	0.33	0.33	0.35	0.34	0.33	0.32	0.31	0.31	0.31	0.31	0.31	0.30	0.25	0.24	0.24	0.24	0.24	0.25	0.26
175	0.31	0.31	0.33	0.33	0.32	0.33	0.32	0.31	0.31	0.31	0.30	0.29	0.26	0.25	0.25	0.26	0.27	0.27	0.27
180	0.30	0.30	0.31	0.32	0.31	0.31	0.31	0.31	0.31	0.32	0.31	0.30	0.30	0.30	0.31	0.32	0.32	0.31	0.32

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:07 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

