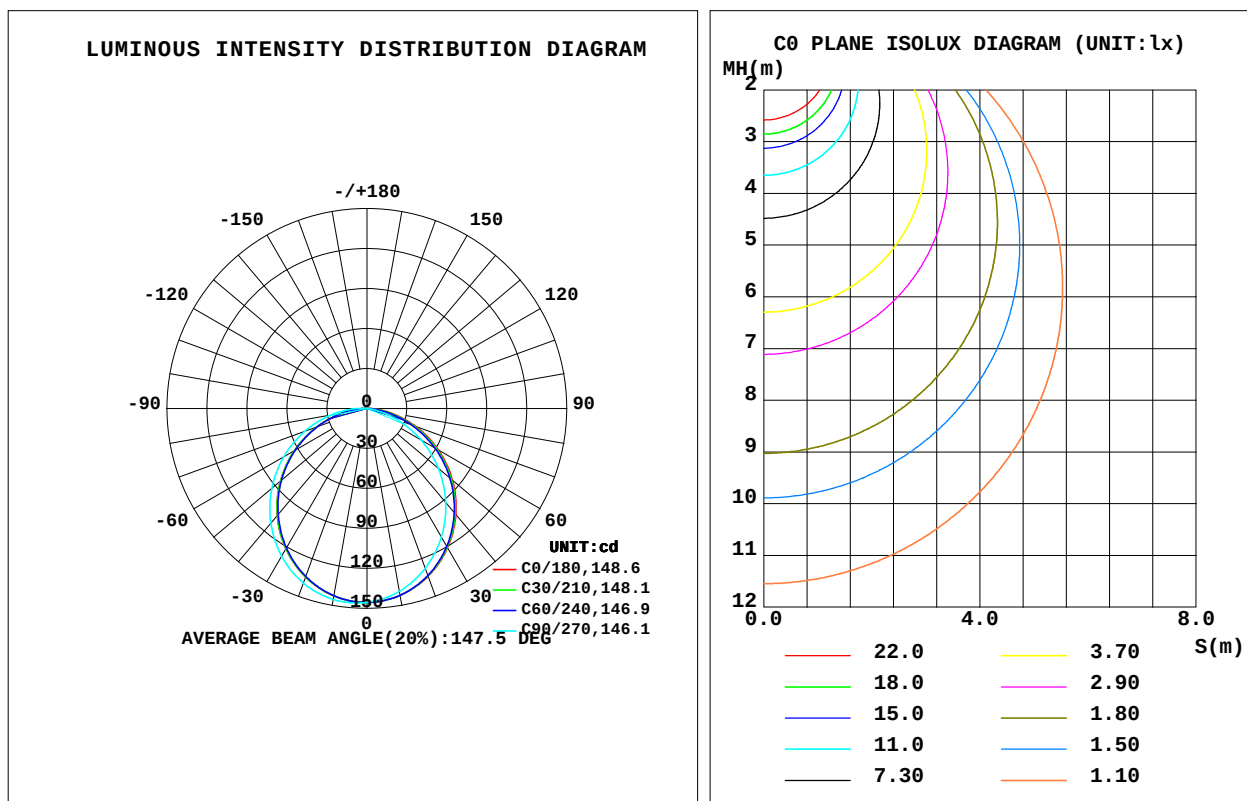


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm		
NAME: ASD-UCS-12D5CC-WH	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 63.32 lm/W
MODEL	ASD-UCS-12D5CC-WH	I _{max} (cd)	147.1	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	5	LOR(%)	107.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	379.76	h UP, DN(C0-180)	0.3,48.6	
NOMINAL FLUX(lm)	379.76	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.3,57.8	
LAMPS INSIDE	1	h up(%)	0.6	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	h down(%)	106.4	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:06 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE G0-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	142.5	142.4	139.4	140.2	142.8	142.7	145.5	144.9	0- 10	13.75	13.75	3.38, 3.62
20	134.0	133.6	127.7	129.5	134.6	134.4	139.5	138.6	10- 20	39.19	52.94	13, 13.9
30	120.8	120.0	111.6	114.3	121.7	121.2	128.1	127.0	20- 30	58.91	111.9	27.5, 29.5
40	103.8	102.5	92.03	95.67	104.8	104.2	112.3	111.2	30- 40	70.32	182.2	44.8, 48
50	83.81	82.06	69.99	74.39	84.82	84.26	93.30	91.95	40- 50	72.15	254.3	62.6, 67
60	61.61	59.42	46.41	51.38	62.56	62.27	71.97	70.32	50- 60	64.47	318.8	78.4, 83.9
70	38.47	35.93	23.08	28.20	39.33	39.39	49.30	47.27	60- 70	48.70	367.5	90.4, 96.8
80	16.73	14.04	3.436	7.666	17.41	17.60	26.68	24.56	70- 80	28.05	395.5	97.3, 104
90	0.1084	0.0847	0.0999	0.0974	0.1527	0.2150	6.239	4.681	80- 90	8.530	404.1	99.4, 106
100	0.1825	0.1619	0.2221	0.2100	0.1240	0.1089	0.0477	0.0710	90-100	0.4597	404.5	99.5, 107
110	0.3226	0.2858	0.3537	0.3428	0.2528	0.2266	0.1535	0.1808	100-110	0.2143	404.7	99.6, 107
120	0.4527	0.4004	0.4465	0.4461	0.3588	0.3279	0.2671	0.2909	110-120	0.3186	405.1	99.7, 107
130	0.5181	0.4783	0.5190	0.5187	0.4142	0.3974	0.3540	0.3682	120-130	0.3697	405.4	99.8, 107
140	0.5160	0.5385	0.5473	0.5663	0.4108	0.4040	0.4039	0.3958	130-140	0.3566	405.8	99.8, 107
150	0.4838	0.5434	0.5962	0.5178	0.3794	0.3541	0.4211	0.3690	140-150	0.2952	406.1	99.9, 107
160	0.4381	0.4572	0.5028	0.4130	0.3313	0.2841	0.3137	0.3188	150-160	0.1988	406.3	100, 107
170	0.3864	0.4047	0.3755	0.3772	0.3129	0.2820	0.2952	0.3203	160-170	0.1017	406.4	100, 107
180	0.3636	0.3869	0.3792	0.3890	0.3614	0.3884	0.3856	0.3908	170-180	0.0333	406.4	100, 107
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 06 October 2020

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm											
NAME: ASD-UCS-12D5CC-WH					TYPE:			WEIGHT:			
SPEC.:4000K					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	8.1	9.6	8.3	9.8	10.0	7.5	9.0	7.8	9.2	9.5	
	3H	9.6	11.0	9.9	11.2	11.5	8.7	10.1	9.0	10.3	10.6
	4H	10.2	11.5	10.5	11.8	12.1	9.0	10.3	9.3	10.6	10.9
	6H	10.6	11.9	11.0	12.2	12.5	9.1	10.3	9.4	10.6	10.9
	8H	10.8	12.0	11.1	12.3	12.6	9.1	10.3	9.4	10.6	10.9
	12H	10.9	12.1	11.3	12.4	12.7	9.0	10.2	9.4	10.5	10.8
4H	2H	8.6	9.9	8.9	10.2	10.5	8.2	9.5	8.5	9.8	10.1
	3H	10.3	11.5	10.7	11.8	12.1	9.6	10.8	10.0	11.1	11.4
	4H	11.0	12.1	11.4	12.4	12.8	10.1	11.2	10.5	11.5	11.8
	6H	11.6	12.6	12.0	12.9	13.3	10.3	11.3	10.7	11.6	12.0
	8H	11.8	12.7	12.3	13.1	13.5	10.3	11.2	10.8	11.6	12.0
	12H	12.0	12.8	12.4	13.2	13.6	10.3	11.1	10.7	11.5	11.9
8H	4H	11.3	12.1	11.7	12.5	12.9	10.4	11.3	10.8	11.7	12.1
	6H	12.0	12.7	12.4	13.1	13.6	10.8	11.5	11.2	11.9	12.4
	8H	12.3	12.9	12.7	13.3	13.8	10.9	11.5	11.3	12.0	12.4
	12H	12.5	13.0	13.0	13.5	14.0	10.9	11.4	11.4	11.9	12.4
12H	4H	11.2	12.1	11.7	12.4	12.9	10.4	11.2	10.9	11.6	12.0
	6H	12.0	12.6	12.5	13.1	13.5	10.9	11.5	11.3	11.9	12.4
	8H	12.3	12.9	12.8	13.3	13.8	11.0	11.5	11.5	12.0	12.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.4					
1.5H	+ 0.2 / - 0.3					+ 0.4 / - 0.7					
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 1.0					

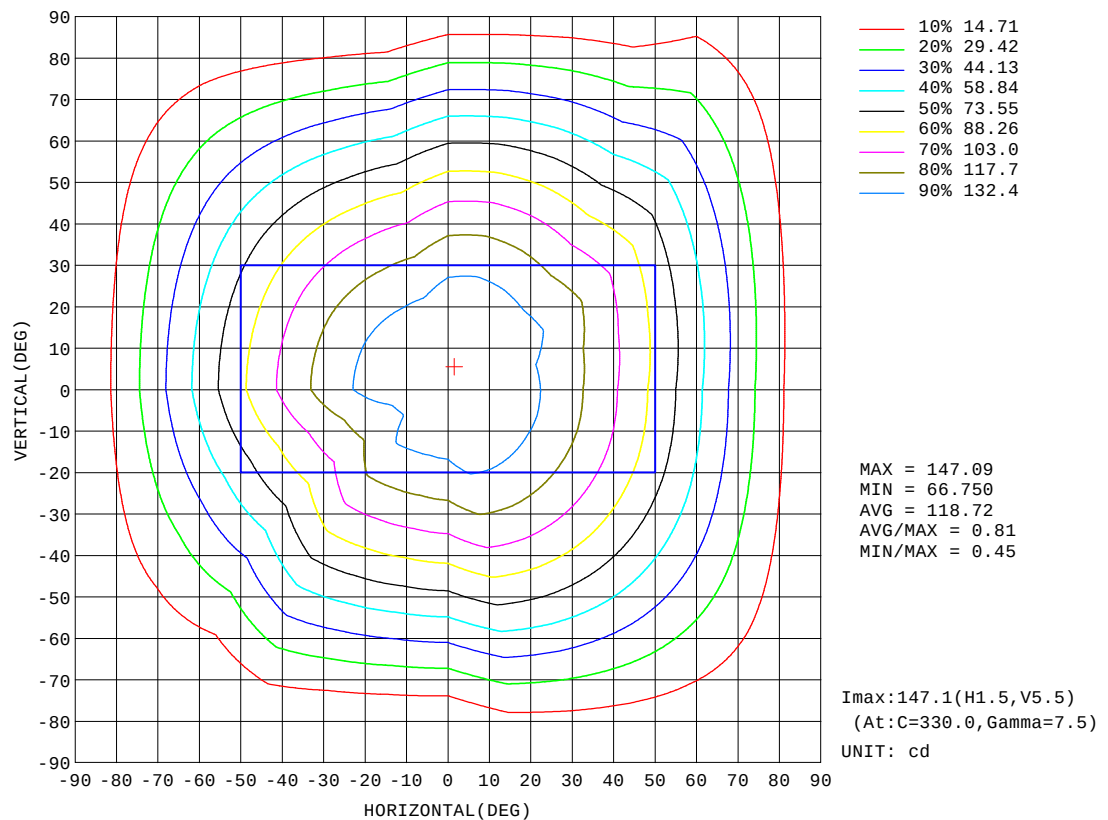
CIE Pub.117, 379.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.4)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:06 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:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm		
NAME: ASD-UCS-12D5CC-WH	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



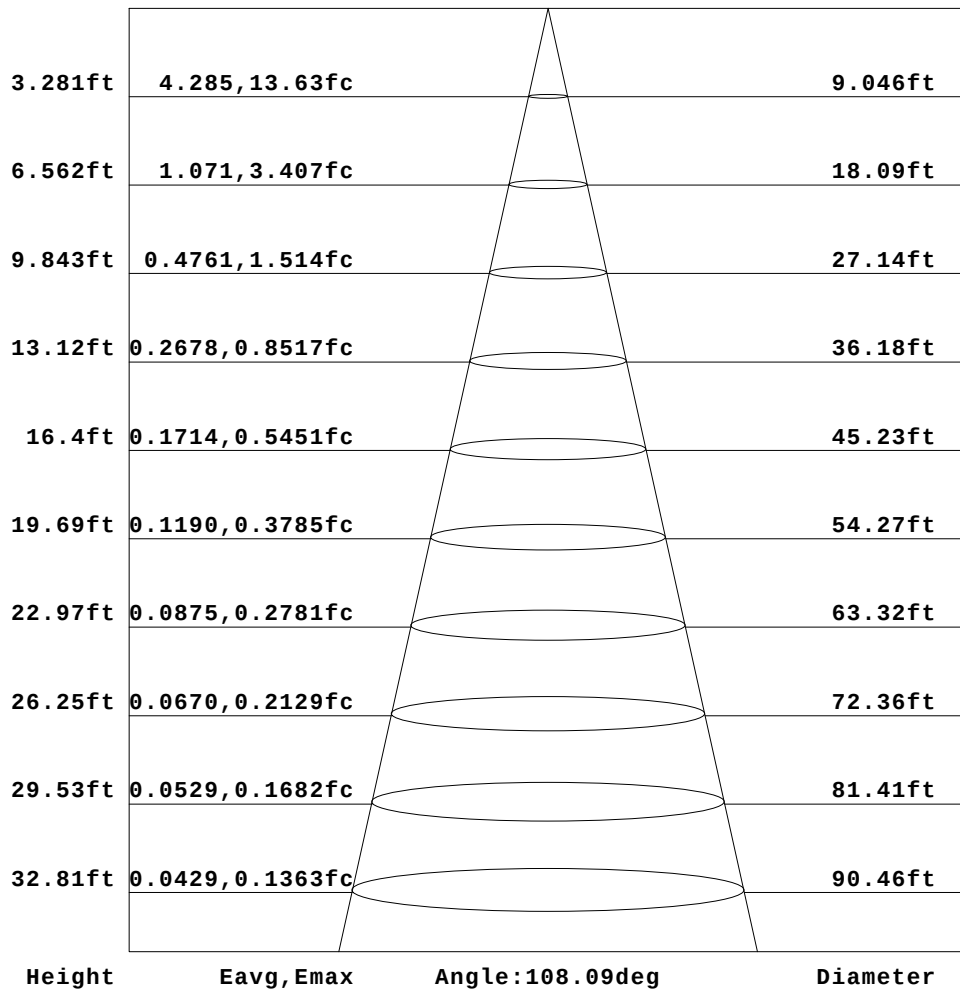
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 06 October 2020

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm		
NAME: ASD-UCS-12D5CC-WH	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:284.8 lm



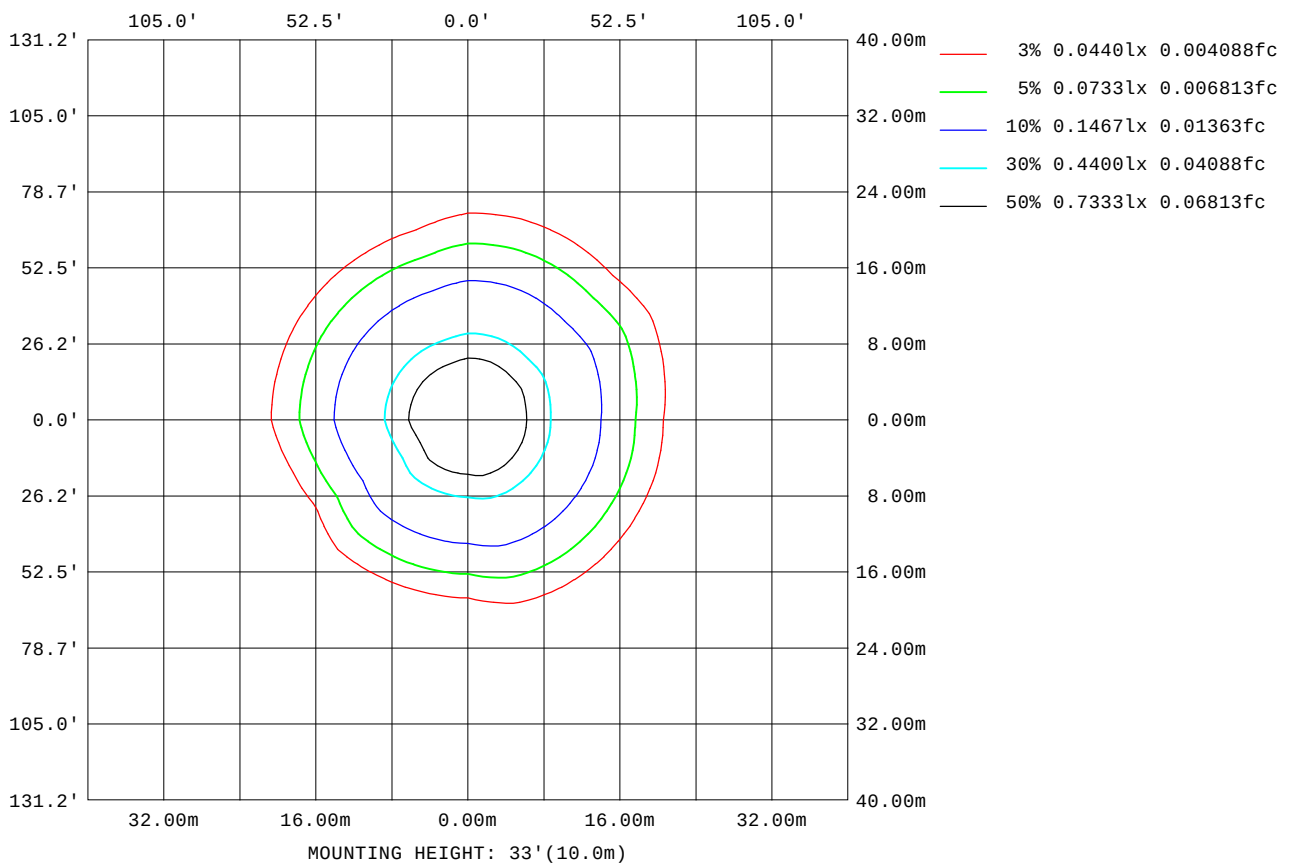
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:06 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm		
NAME: ASD-UCS-12D5CC-WH	TYPE:	WEIGHT:
SPEC.:4000K	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:06 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm		
NAME: ASD-UCS-12D5CC-WH	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

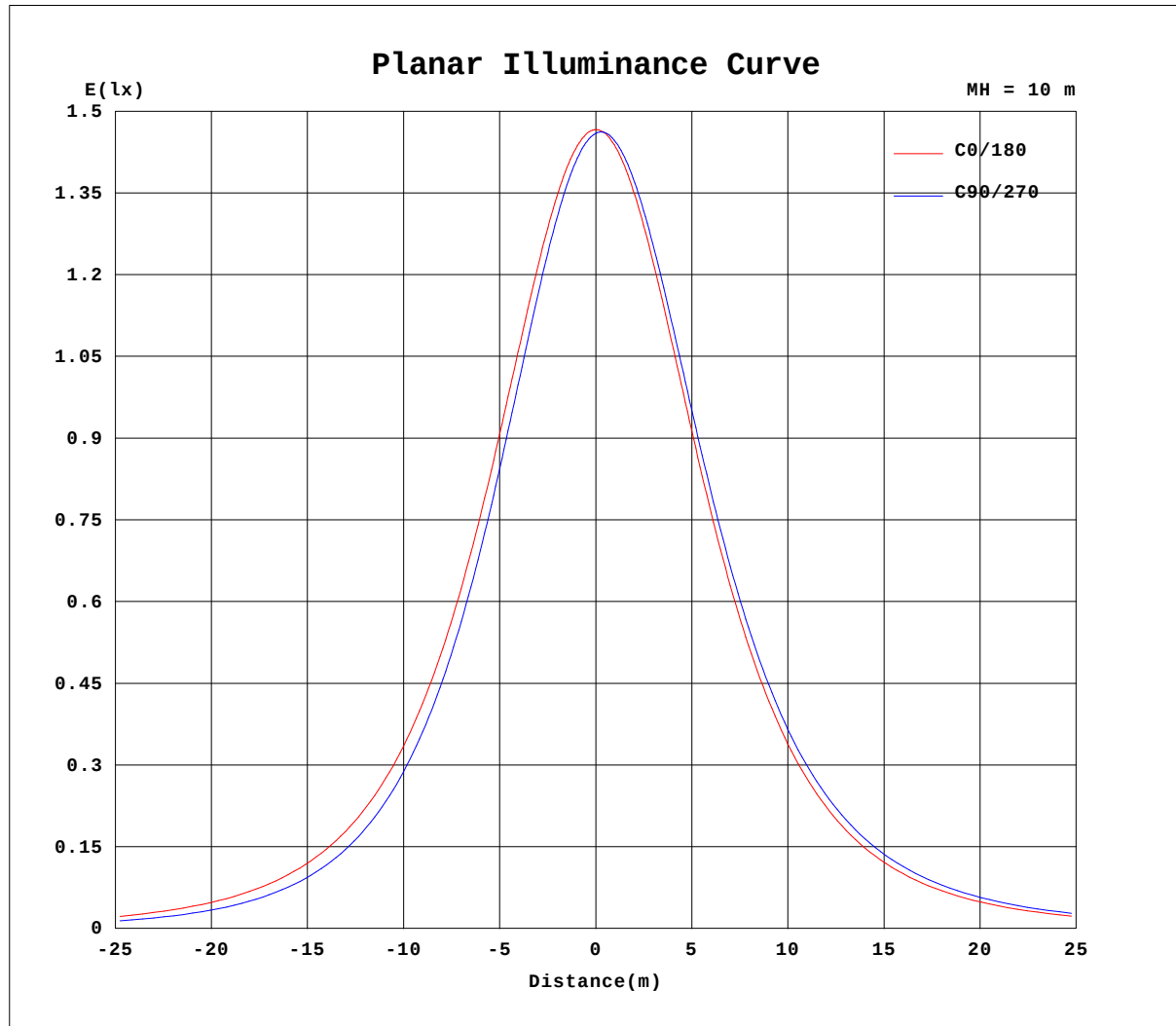
AvgL	cd/m2
L_0~180(65)av	239
L_0~180(75)av	213
L_0~180(85)av	177
L_90~270(65)av	225
L_90~270(75)av	194
L_90~270(85)av	184
L_45(65)av	233
L_45(75)av	205
L_45(85)av	153

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:06 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE G0-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: 06 October 2020

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm		
NAME: ASD-UCS-12D5CC-WH	TYPE:	WEIGHT:
SPEC.: 4000K	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	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145
5	145	145	145	145	145	145	143	143	143	144	143	144	145	145	145	145	145	145	146
10	142	143	142	142	142	142	139	139	139	140	138	140	143	143	143	143	143	143	146
15	139	139	139	139	139	138	134	134	134	135	133	136	139	139	139	139	139	139	143
20	134	134	134	134	133	133	128	127	128	129	126	130	135	135	135	134	134	135	139
25	128	128	128	127	127	126	120	119	121	122	119	123	129	129	129	128	128	129	134
30	121	121	120	120	120	119	112	111	112	114	110	115	122	122	122	121	121	121	128
35	113	113	112	112	111	110	102	101	103	105	100	107	114	114	114	113	113	113	121
40	104	104	103	103	102	101	92.0	91.3	92.9	95.7	90.3	97.0	105	105	105	104	104	104	112
45	94.1	94.1	93.2	92.6	91.9	90.3	81.3	80.6	82.3	85.3	79.6	86.8	95.1	95.0	95.1	94.5	94.1	94.7	103
50	83.8	83.7	82.7	82.1	81.3	79.6	70.0	69.5	71.2	74.4	68.3	75.9	84.8	84.7	84.8	84.3	83.7	84.5	93.3
55	72.9	72.7	71.7	70.9	70.0	68.3	58.3	57.9	59.8	63.0	56.7	64.5	73.9	73.8	74.0	73.5	73.1	73.8	82.9
60	61.6	61.4	60.3	59.4	58.5	56.6	46.4	46.2	48.1	51.4	44.9	52.9	62.6	62.6	62.8	62.3	61.9	62.6	72.0
65	50.1	49.8	48.5	47.7	46.7	44.8	34.5	34.5	36.3	39.7	33.3	41.2	50.9	51.0	51.3	50.8	50.5	51.3	60.7
70	38.5	38.1	36.9	35.9	34.9	33.0	23.1	23.2	25.0	28.2	22.2	29.7	39.3	39.5	39.8	39.4	39.1	40.0	49.3
75	27.2	26.8	25.5	24.6	23.4	21.6	12.4	12.8	14.3	17.5	11.9	19.0	28.0	28.2	28.6	28.2	28.0	28.8	37.9
80	16.7	16.4	15.0	14.0	12.9	11.2	3.44	3.67	4.99	7.67	2.95	9.21	17.4	17.6	18.0	17.6	17.4	18.0	26.7
85	7.48	7.01	5.69	4.61	3.67	2.47	0.08	0.08	0.09	0.36	0.10	0.79	7.97	8.18	8.31	7.58	7.38	8.14	16.0
90	0.11	0.09	0.09	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.13	0.11	0.15	0.15	0.23	0.21	0.24	0.60	6.24
95	0.12	0.12	0.12	0.11	0.11	0.11	0.16	0.16	0.16	0.15	0.19	0.16	0.07	0.07	0.06	0.06	0.05	0.04	0.02
100	0.18	0.17	0.17	0.16	0.16	0.16	0.22	0.23	0.22	0.21	0.26	0.22	0.12	0.12	0.11	0.11	0.10	0.09	0.05
105	0.25	0.24	0.23	0.23	0.22	0.23	0.29	0.30	0.29	0.28	0.34	0.29	0.19	0.19	0.17	0.17	0.16	0.15	0.10
110	0.32	0.31	0.30	0.29	0.29	0.29	0.35	0.36	0.35	0.34	0.40	0.36	0.25	0.25	0.24	0.23	0.22	0.21	0.15
115	0.39	0.37	0.36	0.35	0.34	0.35	0.41	0.41	0.41	0.40	0.46	0.42	0.31	0.30	0.29	0.28	0.27	0.26	0.21
120	0.45	0.43	0.42	0.40	0.40	0.40	0.45	0.46	0.45	0.45	0.51	0.47	0.36	0.35	0.34	0.33	0.32	0.32	0.27
125	0.50	0.47	0.47	0.44	0.43	0.44	0.49	0.50	0.49	0.49	0.55	0.51	0.40	0.38	0.37	0.37	0.36	0.35	0.31
130	0.52	0.50	0.50	0.48	0.47	0.47	0.52	0.53	0.52	0.52	0.56	0.52	0.41	0.40	0.39	0.40	0.39	0.39	0.35
135	0.52	0.51	0.52	0.51	0.50	0.50	0.54	0.55	0.54	0.54	0.57	0.52	0.42	0.41	0.40	0.40	0.41	0.41	0.39
140	0.52	0.51	0.53	0.54	0.53	0.52	0.55	0.57	0.57	0.57	0.56	0.51	0.41	0.40	0.39	0.40	0.42	0.43	0.40
145	0.50	0.50	0.52	0.55	0.56	0.56	0.58	0.60	0.59	0.56	0.53	0.49	0.40	0.38	0.37	0.39	0.41	0.42	0.42
150	0.48	0.48	0.50	0.54	0.56	0.58	0.60	0.60	0.57	0.52	0.50	0.47	0.38	0.35	0.34	0.35	0.39	0.42	0.42
155	0.46	0.47	0.48	0.51	0.55	0.58	0.58	0.56	0.50	0.47	0.46	0.45	0.36	0.33	0.33	0.31	0.34	0.38	0.39
160	0.44	0.46	0.45	0.46	0.49	0.51	0.50	0.47	0.44	0.41	0.42	0.42	0.33	0.32	0.30	0.28	0.29	0.31	0.31
165	0.40	0.41	0.42	0.42	0.42	0.43	0.42	0.41	0.40	0.38	0.38	0.37	0.30	0.29	0.28	0.28	0.28	0.29	0.28
170	0.39	0.40	0.41	0.40	0.39	0.38	0.38	0.38	0.38	0.38	0.36	0.36	0.31	0.30	0.29	0.28	0.29	0.29	0.30
175	0.37	0.37	0.39	0.39	0.38	0.39	0.38	0.37	0.38	0.38	0.35	0.34	0.32	0.31	0.31	0.32	0.32	0.32	0.31
180	0.36	0.36	0.37	0.39	0.38	0.38	0.38	0.37	0.37	0.39	0.38	0.36	0.36	0.36	0.37	0.39	0.38	0.38	0.39

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 06 October 2020
g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.0673A P:5.9970W PF:0.7429 Freq:59.98Hz Lamp Flux:379.76x1 lm		
NAME: ASD-UCS-12D5CC-WH	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2
UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	145	145	145	145	145														
5	146	146	146	147	146														
10	146	146	145	147	145														
15	144	143	142	145	142														
20	140	140	139	142	139														
25	135	135	133	138	134														
30	129	129	127	132	127														
35	122	121	120	126	120														
40	114	113	111	118	112														
45	105	104	102	109	102														
50	94.7	93.9	92.0	99.3	92.5														
55	84.2	83.4	81.4	89.0	81.9														
60	73.2	72.4	70.3	78.0	70.7														
65	61.8	61.0	58.9	66.6	59.2														
70	50.2	49.4	47.3	54.9	47.4														
75	38.6	37.8	35.7	43.0	35.8														
80	27.2	26.5	24.6	31.4	24.6														
85	16.2	15.8	14.1	20.5	14.2														
90	6.35	5.81	4.68	10.4	5.19														
95	0.02	0.01	0.03	1.29	0.04														
100	0.05	0.05	0.07	0.04	0.08														
105	0.10	0.11	0.12	0.09	0.14														
110	0.15	0.16	0.18	0.15	0.20														
115	0.20	0.22	0.24	0.21	0.27														
120	0.26	0.27	0.29	0.28	0.33														
125	0.30	0.31	0.33	0.32	0.37														
130	0.34	0.34	0.37	0.36	0.40														
135	0.37	0.37	0.39	0.37	0.41														
140	0.39	0.40	0.40	0.38	0.41														
145	0.42	0.40	0.40	0.37	0.40														
150	0.41	0.40	0.37	0.36	0.38														
155	0.39	0.36	0.34	0.35	0.38														
160	0.33	0.32	0.32	0.33	0.36														
165	0.30	0.31	0.32	0.31	0.34														
170	0.31	0.31	0.32	0.33	0.34														
175	0.32	0.32	0.35	0.35	0.35														
180	0.37	0.37	0.39	0.37	0.36														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:06 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: