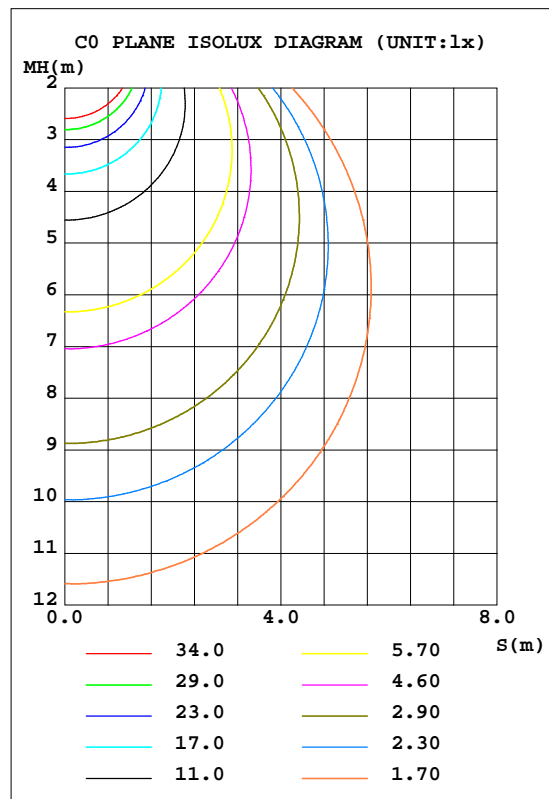
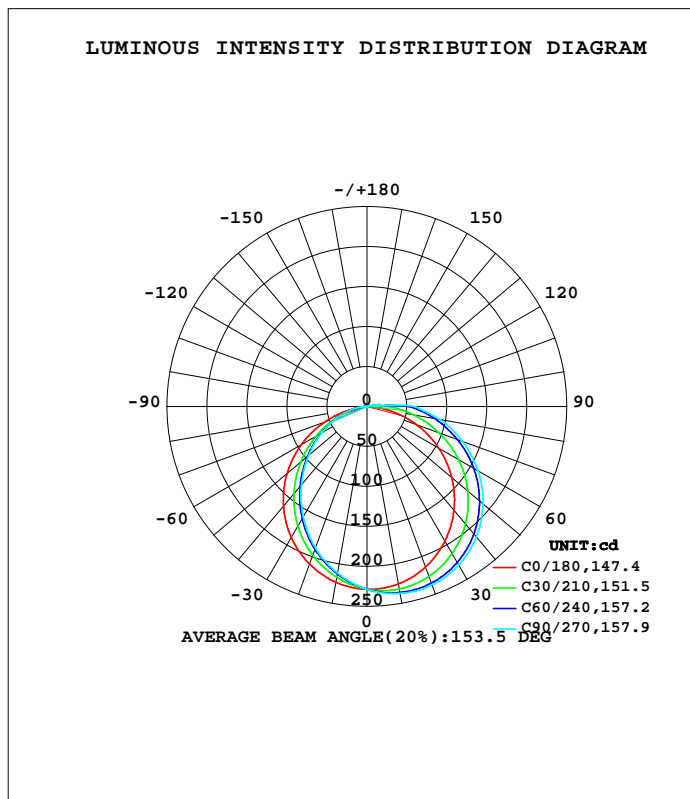


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.92V I:0.0925A P:10.704W PF:0.9645 Freq:59.98Hz Lamp Flux:708.293x1 lm		
NAME: ASD-UCB-18D8CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODIFIED-UCB-18D8CC-WH-4000K		Imax(cd)	238.9	S/MH(C0/180)	1.24
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	708.29	h UP, DN(C0-180)	1.6,60.6
NOMINAL FLUX(lm)	708.293	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.3,37.5
LAMPS INSIDE	1	h up(%)	1.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	98.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

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	225.4	234.5	237.5	232.9	223.4	214.5	211.7	216.1	0- 10	21.63	21.63	3.05,3.05
20	213.8	231.5	237.4	228.6	209.8	193.1	188.5	196.1	10- 20	61.91	83.54	11.8,11.8
30	194.8	220.3	229.0	216.0	189.4	165.7	159.4	169.8	20- 30	93.82	177.4	25,25
40	169.4	201.6	212.9	196.1	162.5	134.0	127.6	138.7	30- 40	113.3	290.7	41,41
50	138.7	176.5	189.6	169.7	130.5	100.2	95.37	104.6	40- 50	118.4	409.1	57.8,57.8
60	103.3	145.7	160.5	137.8	94.35	67.78	64.81	71.23	50- 60	109.2	518.3	73.2,73.2
70	65.39	110.5	126.9	101.6	55.44	37.81	37.42	39.71	60- 70	87.79	606.1	85.6,85.6
80	26.57	75.03	91.81	63.45	18.55	14.05	15.30	14.61	70- 80	58.67	664.7	93.9,93.9
90	0.6862	41.65	59.07	30.72	0.2919	0.9167	1.664	0.9561	80- 90	29.75	694.5	98.1,98.1
100	0.4635	5.069	15.63	2.061	0.4467	0.7167	0.7965	0.6379	90-100	8.083	702.6	99.2,99.2
110	0.7968	2.044	1.037	0.8878	0.6622	0.9133	1.036	0.8222	100-110	1.527	704.1	99.4,99.4
120	0.9875	1.132	1.228	0.9734	0.7761	0.8717	1.057	0.8527	110-120	1.093	705.2	99.6,99.6
130	1.023	1.790	0.9673	1.386	0.7532	0.8475	0.9130	0.8283	120-130	0.9189	706.1	99.7,99.7
140	0.9000	1.711	1.873	1.446	0.7080	0.8049	0.8165	0.7436	130-140	0.8780	707.0	99.8,99.8
150	0.8118	0.8400	2.484	0.7866	0.6447	0.7142	0.7834	0.6929	140-150	0.7056	707.7	99.9,99.9
160	0.6457	0.8477	0.6772	0.8001	0.5817	0.5450	0.6472	0.6259	150-160	0.3517	708.1	100,100
170	0.5507	0.7784	0.9617	0.7336	0.5138	0.4520	0.5190	0.5027	160-170	0.1871	708.2	100,100
180	0.5383	0.5452	0.5209	0.5505	0.5383	0.5449	0.5274	0.5539	170-180	0.0552	708.3	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:21 April 2021

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:119.92V I:0.0925A P:10.704W PF:0.9645 Freq:59.98Hz Lamp Flux:708.293x1 lm										
NAME: ASD-UCB-18D8CC-WH-4000K					TYPE:0			WEIGHT:		
SPEC.:8W					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	10.6	12.2	10.9	12.4	12.7	12.3	13.8	12.6	14.0	14.3
3H	12.2	13.7	12.6	13.9	14.2	14.6	16.0	14.9	16.3	16.6
4H	12.9	14.2	13.2	14.5	14.8	15.8	17.2	16.1	17.4	17.7
6H	13.3	14.6	13.7	14.9	15.2	17.1	18.3	17.4	18.6	19.0
8H	13.4	14.7	13.8	15.0	15.3	17.7	18.9	18.1	19.3	19.6
12H	13.5	14.7	13.9	15.0	15.4	18.4	19.6	18.8	19.9	20.3
4H 2H	11.7	13.1	12.1	13.4	13.7	12.9	14.3	13.3	14.6	14.9
3H	13.6	14.8	14.0	15.1	15.5	15.5	16.7	15.9	17.0	17.3
4H	14.4	15.5	14.8	15.9	16.2	16.9	18.0	17.3	18.3	18.7
6H	15.0	16.0	15.4	16.4	16.8	18.4	19.3	18.8	19.7	20.1
8H	15.2	16.1	15.7	16.5	17.0	19.1	20.0	19.6	20.4	20.9
12H	15.3	16.2	15.8	16.6	17.1	20.0	20.8	20.4	21.2	21.7
8H 4H	15.2	16.1	15.7	16.5	17.0	17.2	18.2	17.7	18.6	19.0
6H	16.2	16.9	16.6	17.4	17.8	19.0	19.8	19.5	20.2	20.7
8H	16.6	17.2	17.0	17.7	18.2	20.0	20.7	20.5	21.1	21.6
12H	16.8	17.4	17.3	17.9	18.4	21.1	21.7	21.6	22.2	22.7
12H 4H	15.4	16.3	15.9	16.7	17.2	17.3	18.1	17.7	18.5	19.0
6H	16.6	17.2	17.1	17.7	18.2	19.1	19.8	19.6	20.3	20.8
8H	17.1	17.7	17.6	18.2	18.7	20.2	20.8	20.7	21.3	21.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.4				

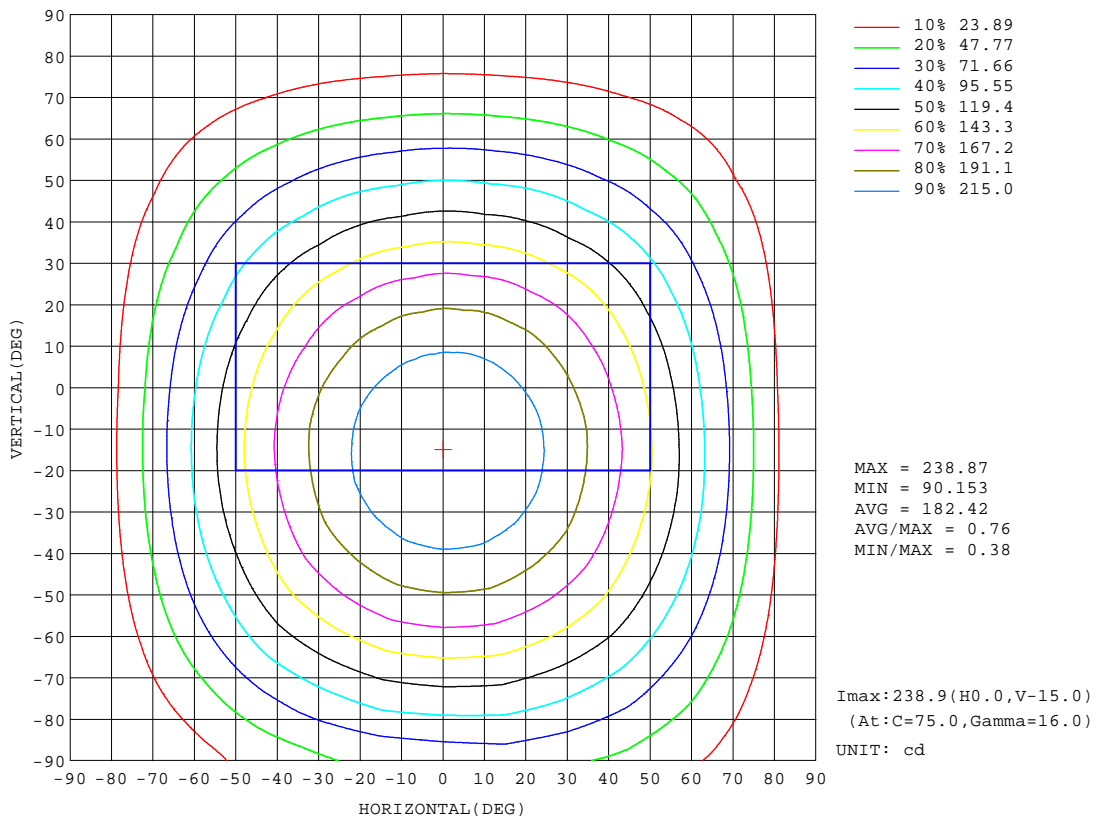
CIE Pub.117, 708.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.2)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

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:119.92V I:0.0925A P:10.704W PF:0.9645 Freq:59.98Hz Lamp Flux:708.293x1 lm		
NAME: ASD-UCB-18D8CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



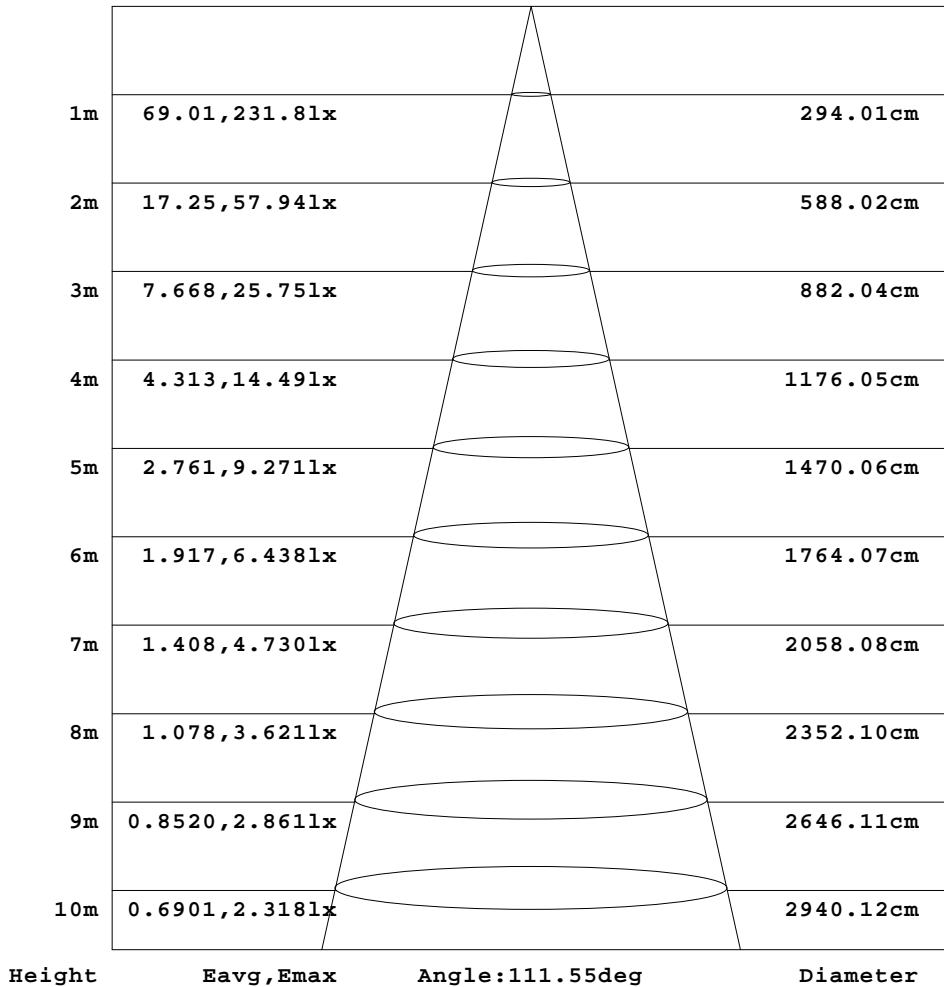
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

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:119.92V I:0.0925A P:10.704W PF:0.9645 Freq:59.98Hz Lamp Flux:708.293x1 lm		
NAME: ASD-UCB-18D8CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:476.6 lm



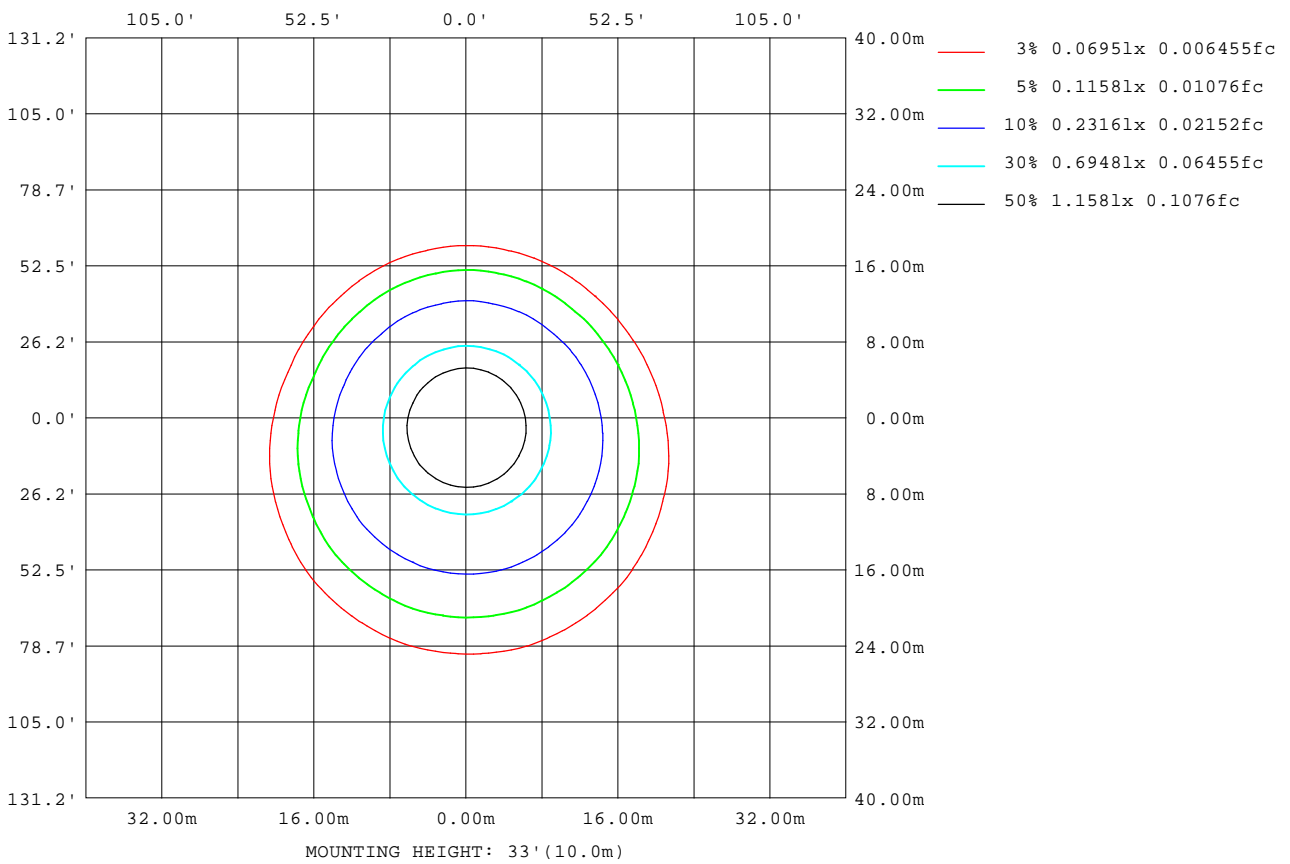
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

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:119.92V I:0.0925A P:10.704W PF:0.9645 Freq:59.98Hz Lamp Flux:708.293x1 lm		
NAME: ASD-UCB-18D8CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:8W	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:21 April 2021

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:119.92V I:0.0925A P:10.704W PF:0.9645 Freq:59.98Hz Lamp Flux:708.293x1 lm		
NAME: ASD-UCB-18D8CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

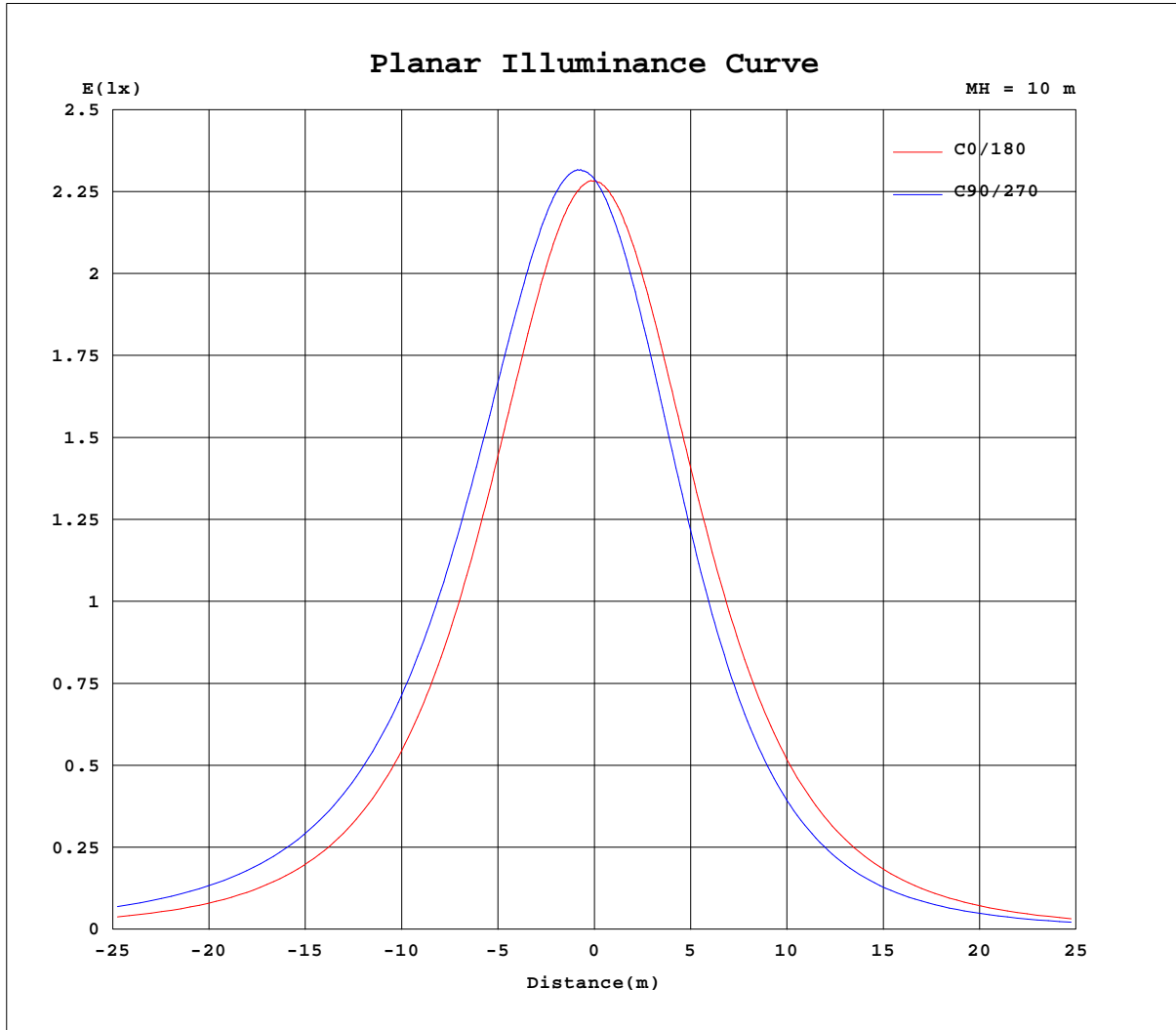
AvgL	cd/m2
L_0~180(65)av	378
L_0~180(75)av	316
L_0~180(85)av	177
L_90~270(65)av	461
L_90~270(75)av	523
L_90~270(85)av	917
L_45(65)av	421
L_45(75)av	436
L_45(85)av	655

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

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: 21 April 2021

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:119.92V I:0.0925A P:10.704W PF:0.9645 Freq:59.98Hz Lamp Flux:708.293x1 lm		
NAME: ASD-UCB-18D8CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:8W	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	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
5	228	230	231	233	233	234	234	234	233	232	230	229	227	225	224	223	222	221	221
10	225	229	232	234	236	238	238	237	235	233	230	227	223	220	217	214	213	212	212
15	221	226	230	234	237	239	239	238	235	232	227	223	218	212	208	205	202	201	201
20	214	220	226	231	235	238	237	236	233	229	223	217	210	203	198	193	190	188	188
25	205	213	221	227	231	235	235	233	229	223	216	209	200	192	186	180	177	174	175
30	195	204	213	220	225	229	229	227	222	216	207	199	189	180	173	166	162	159	159
35	183	194	203	212	218	222	222	220	214	207	197	187	177	166	158	150	146	143	144
40	169	182	192	202	208	213	213	211	204	196	185	174	163	151	142	134	130	127	128
45	155	168	179	190	197	202	202	200	192	184	171	160	147	134	125	117	114	111	111
50	139	153	165	177	184	190	190	187	179	170	156	144	130	117	108	100	97.3	94.5	95.4
55	121	137	149	162	170	176	176	173	164	154	140	127	113	98.9	90.3	83.7	81.3	79.9	79.8
60	103	119	132	146	154	161	160	157	148	138	123	109	94.4	80.7	72.8	67.8	65.8	64.5	64.8
65	84.5	101	114	129	137	144	144	141	131	120	104	90.2	75.1	62.3	55.8	52.3	51.1	50.3	50.6
70	65.4	81.4	95.5	111	120	127	127	124	113	102	85.6	70.6	55.4	44.1	39.9	37.8	37.5	37.0	37.4
75	45.6	61.7	77.1	92.1	103	111	110	106	95.2	82.6	66.0	50.6	36.1	27.5	25.7	24.8	25.1	25.1	25.5
80	26.6	41.9	58.3	75.0	85.1	93.3	91.8	88.8	78.4	63.5	46.2	31.2	18.5	13.9	13.9	14.0	14.8	14.9	15.3
85	10.2	24.3	41.4	57.0	68.4	75.5	73.2	69.2	59.5	45.6	28.5	13.8	5.24	4.59	5.10	5.58	6.26	6.47	6.73
90	0.69	11.9	26.6	41.6	51.7	59.4	59.1	54.7	44.5	30.7	16.5	4.05	0.29	0.40	0.66	0.92	1.34	1.53	1.66
95	0.31	1.72	9.80	10.1	11.7	17.0	13.6	12.8	9.45	8.41	3.57	0.49	0.33	0.42	0.47	0.55	0.60	0.62	0.62
100	0.46	0.75	1.89	5.07	12.5	14.2	15.6	12.7	5.17	2.06	1.12	0.44	0.45	0.59	0.64	0.72	0.74	0.79	0.80
105	0.61	0.67	1.39	2.19	2.63	2.61	0.72	1.19	1.22	1.17	0.77	0.79	0.54	0.67	0.79	0.86	0.91	0.96	0.96
110	0.80	1.01	1.06	2.04	2.30	2.33	1.04	1.18	1.06	0.89	0.81	1.03	0.66	0.74	0.83	0.91	1.00	1.05	1.04
115	0.92	1.38	1.03	1.45	2.12	2.53	1.53	1.46	0.73	0.65	1.21	1.10	0.74	0.79	0.87	0.93	1.02	1.06	1.06
120	0.99	1.48	1.17	1.13	1.43	1.91	1.23	1.01	0.56	0.97	1.49	1.16	0.78	0.84	0.90	0.87	0.99	1.05	1.06
125	1.05	1.48	1.20	1.46	1.23	1.21	0.65	0.78	0.88	1.37	1.15	1.14	0.77	0.82	0.86	0.86	0.88	0.99	1.01
130	1.02	1.30	1.28	1.79	1.64	1.39	0.97	1.26	1.45	1.39	1.33	1.02	0.75	0.76	0.82	0.85	0.88	0.92	0.91
135	0.97	1.15	1.32	1.99	1.95	1.87	1.58	1.75	1.81	1.25	1.15	0.93	0.73	0.73	0.78	0.84	0.84	0.86	0.87
140	0.90	1.02	1.17	1.71	2.58	2.15	1.87	2.22	1.95	1.45	0.98	0.84	0.71	0.70	0.76	0.80	0.81	0.81	0.82
145	0.86	0.93	1.02	1.76	2.29	2.68	2.64	2.40	1.83	0.88	0.85	0.83	0.68	0.67	0.71	0.75	0.79	0.80	0.82
150	0.81	0.84	0.88	0.84	1.09	2.32	2.48	2.30	0.69	0.79	0.71	0.86	0.64	0.63	0.64	0.71	0.71	0.76	0.78
155	0.73	0.77	0.83	0.80	0.80	0.77	0.70	0.73	0.68	0.84	0.80	0.76	0.61	0.61	0.60	0.63	0.68	0.71	0.73
160	0.65	0.77	0.92	0.85	0.92	0.70	0.68	0.81	0.84	0.80	0.77	0.65	0.58	0.58	0.56	0.54	0.57	0.62	0.65
165	0.56	0.71	0.80	0.88	0.74	0.80	0.80	0.77	0.87	0.78	0.69	0.51	0.52	0.52	0.50	0.51	0.51	0.52	0.54
170	0.55	0.65	0.77	0.78	0.87	0.89	0.96	0.82	0.79	0.73	0.65	0.49	0.51	0.50	0.47	0.45	0.48	0.51	0.52
175	0.53	0.56	0.58	0.63	0.64	0.75	0.75	0.73	0.69	0.56	0.50	0.50	0.50	0.47	0.46	0.47	0.48	0.48	0.48
180	0.54	0.53	0.53	0.55	0.53	0.52	0.52	0.51	0.52	0.55	0.55	0.54	0.54	0.52	0.53	0.54	0.53	0.53	0.53

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:21 April 2021

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:

