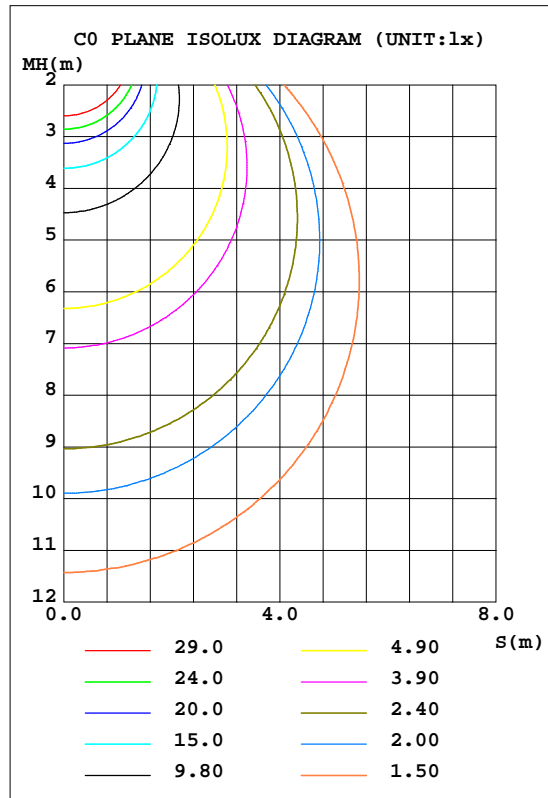
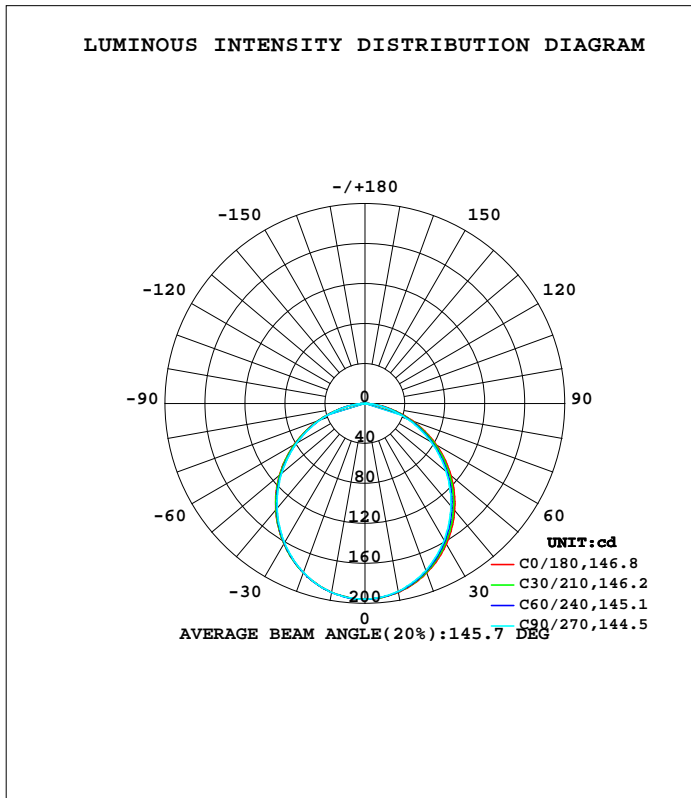


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm		
NAME: ASD-UCL-18D8CC-2700K	TYPE:	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.54 lm/W			
MODEL	ASD-UCL-18D8CC-2700K	I <sub>max</sub> (cd)	196.0	S/MH(C0/180)	1.24
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	532.62	h UP, DN(C0-180)	0.3,49.4
NOMINAL FLUX(lm)	532.615	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.2,50.1
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:10 March 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=1.0731]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	191.8	191.3	190.8	191.5	191.8	191.9	191.8	191.9	0- 10	18.49	18.49	3.47,3.47
20	180.5	179.1	178.0	179.2	180.1	180.2	179.9	180.5	10- 20	52.61	71.10	13.3,13.3
30	162.7	160.5	158.3	160.4	162.3	161.6	161.1	162.0	20- 30	78.80	149.9	28.1,28.1
40	139.6	136.8	133.8	136.4	139.1	137.7	136.9	138.4	30- 40	93.63	243.5	45.7,45.7
50	112.4	109.2	105.9	108.8	111.8	110.1	109.1	110.8	40- 50	95.59	339.1	63.7,63.7
60	82.31	79.21	75.95	78.71	81.68	79.70	78.71	80.44	50- 60	84.84	424.0	79.6,79.6
70	50.44	47.89	44.94	47.16	49.53	47.94	47.32	48.88	60- 70	63.13	487.1	91.5,91.5
80	20.26	18.67	16.30	18.05	19.53	18.41	18.16	19.31	70- 80	34.65	521.7	98,98
90	0.5234	0.4272	0.1434	0.4209	0.3336	0.3858	0.1763	0.4363	80- 90	8.278	530.0	99.5,99.5
100	0.2781	0.2541	0.2492	0.2583	0.1934	0.1928	0.1814	0.2060	90-100	0.2301	530.3	99.6,99.6
110	0.4429	0.4077	0.4186	0.4050	0.3371	0.2920	0.3102	0.3045	100-110	0.3107	530.6	99.6,99.6
120	0.5788	0.5241	0.5381	0.5234	0.4445	0.3772	0.3955	0.3959	110-120	0.4126	531.0	99.7,99.7
130	0.6397	0.5928	0.6288	0.5799	0.4883	0.4404	0.4814	0.4545	120-130	0.4510	531.4	99.8,99.8
140	0.6223	0.6089	0.6145	0.6077	0.4717	0.4728	0.5092	0.4785	130-140	0.4190	531.8	99.9,99.9
150	0.5855	0.6530	0.6346	0.6348	0.4254	0.4126	0.5680	0.4364	140-150	0.3435	532.2	99.9,99.9
160	0.5528	0.5735	0.6492	0.5401	0.3812	0.4015	0.4342	0.4263	150-160	0.2449	532.4	100,100
170	0.5203	0.5435	0.5234	0.4902	0.4037	0.4238	0.4656	0.4434	160-170	0.1374	532.6	100,100
180	0.4903	0.4989	0.4623	0.4981	0.4896	0.4975	0.4631	0.4981	170-180	0.0458	532.6	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:10 March 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=1.0731]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm										
NAME: ASD-UCL-18D8CC-2700K					TYPE:			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	9.1	10.6	9.4	10.8	11.0	8.8	10.3	9.0	10.5	10.7
3H	10.6	12.0	10.9	12.2	12.5	10.1	11.5	10.4	11.8	12.0
4H	11.2	12.5	11.5	12.7	13.0	10.6	11.9	11.0	12.2	12.5
6H	11.6	12.8	11.9	13.1	13.4	10.9	12.2	11.3	12.5	12.7
8H	11.7	12.9	12.0	13.2	13.5	11.0	12.2	11.4	12.5	12.8
12H	11.7	12.9	12.1	13.2	13.5	11.0	12.2	11.4	12.5	12.8
4H 2H	9.6	11.0	10.0	11.2	11.5	9.4	10.7	9.7	11.0	11.2
3H	11.3	12.5	11.7	12.8	13.1	10.9	12.1	11.3	12.4	12.7
4H	12.0	13.1	12.4	13.4	13.7	11.5	12.6	11.9	12.9	13.3
6H	12.5	13.5	12.9	13.8	14.2	12.0	12.9	12.4	13.2	13.6
8H	12.7	13.6	13.1	13.9	14.3	12.1	12.9	12.5	13.3	13.7
12H	12.8	13.6	13.2	14.0	14.4	12.1	12.9	12.5	13.3	13.7
8H 4H	12.2	13.1	12.6	13.5	13.9	11.8	12.7	12.2	13.0	13.4
6H	12.9	13.6	13.3	14.0	14.4	12.3	13.1	12.8	13.5	13.9
8H	13.1	13.7	13.6	14.2	14.6	12.5	13.1	13.0	13.6	14.0
12H	13.3	13.8	13.8	14.3	14.8	12.6	13.1	13.1	13.6	14.1
12H 4H	12.2	13.0	12.6	13.4	13.8	11.8	12.6	12.2	13.0	13.4
6H	12.9	13.5	13.4	14.0	14.4	12.4	13.0	12.9	13.5	13.9
8H	13.2	13.7	13.7	14.2	14.7	12.6	13.1	13.1	13.6	14.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

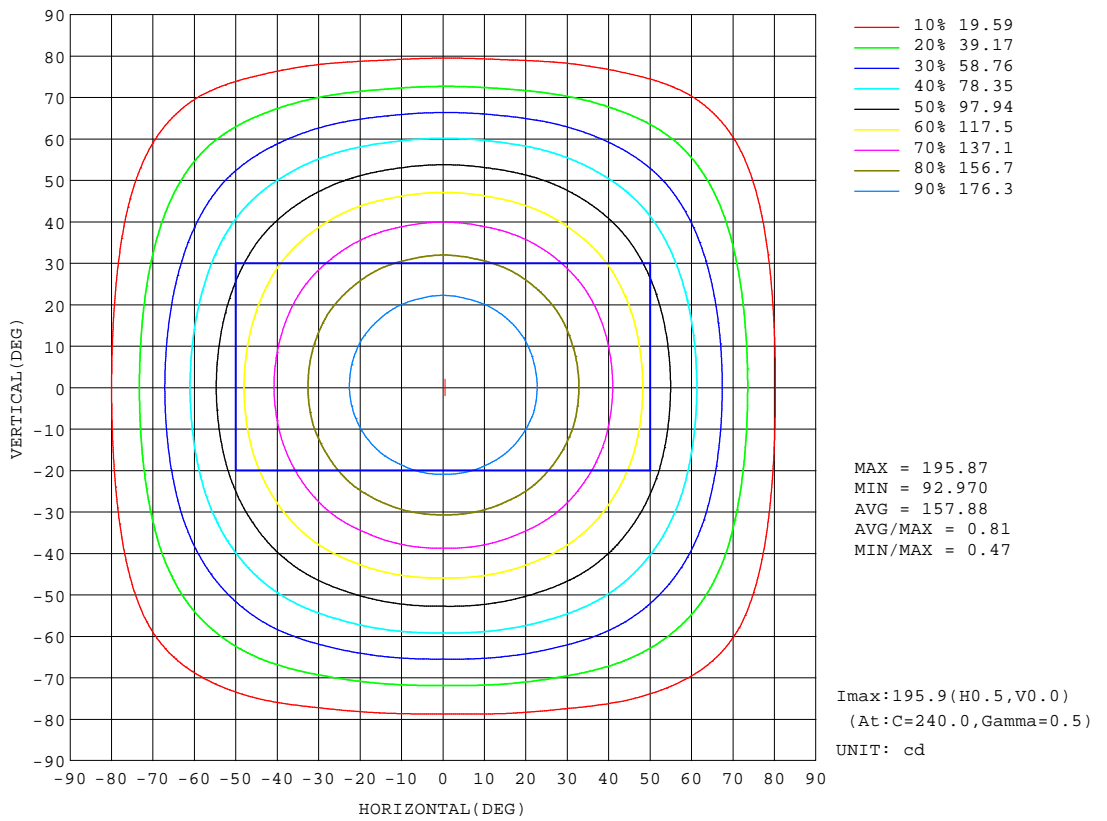
CIE Pub.117, 532.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.2)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10 March 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=1.0731]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm		
NAME: ASD-UCL-18D8CC-2700K	TYPE:	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



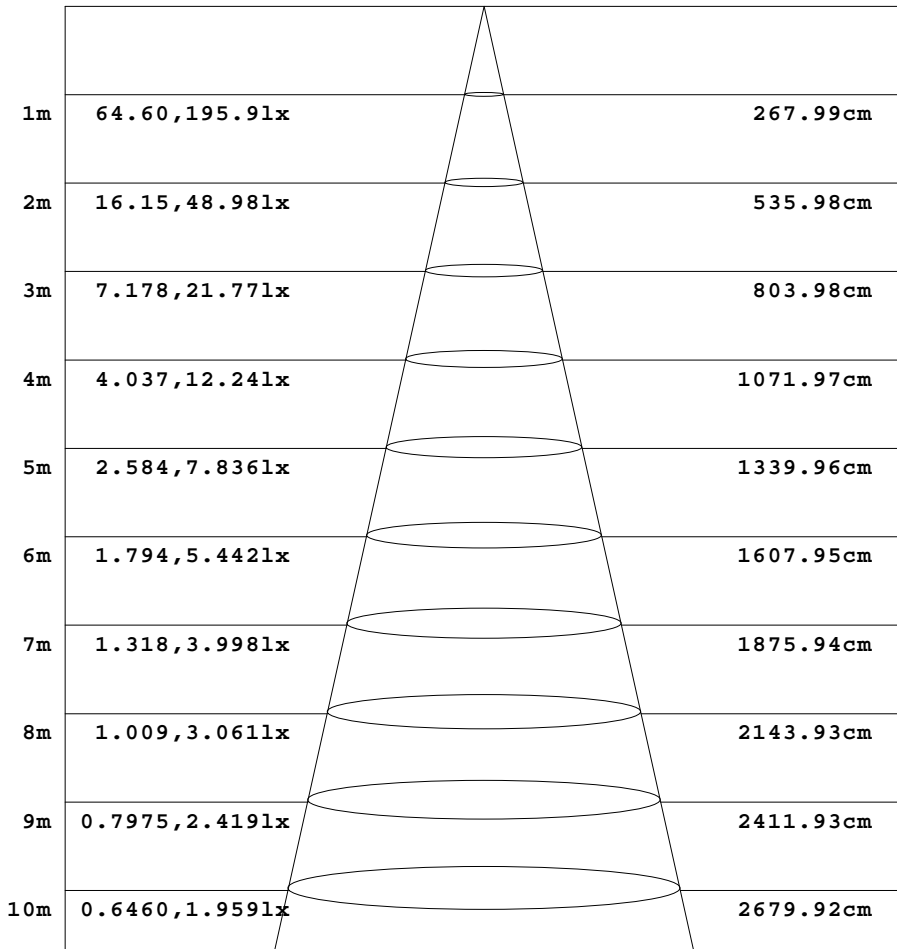
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10 March 2021

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=1.0731]  
 Remarks:

**AAI Figure**

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm		
NAME: ASD-UCL-18D8CC-2700K	TYPE:	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:370.6 lm



Height                      Eavg,Emax                      Angle:106.53deg                      Diameter

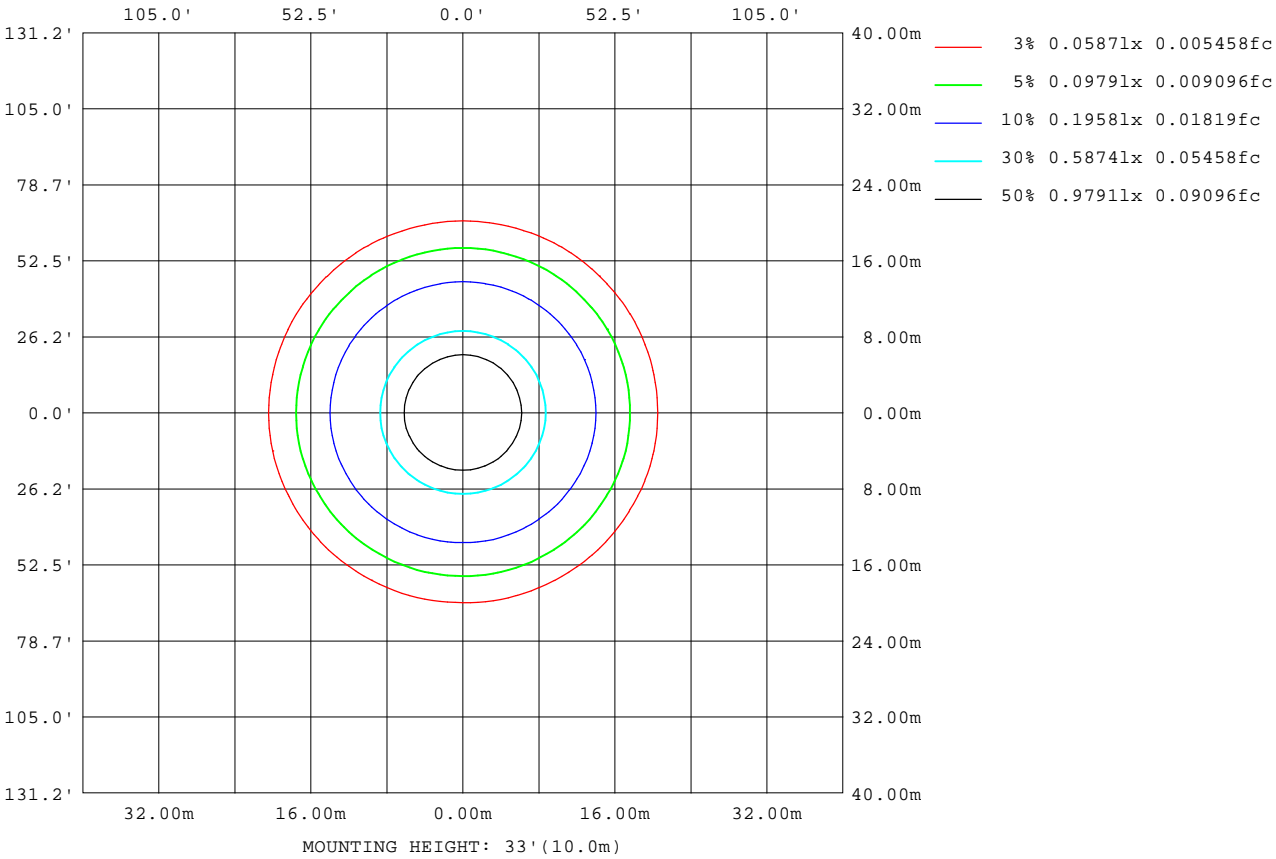
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10 March 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=1.0731]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm		
NAME: ASD-UCL-18D8CC-2700K	TYPE:	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:10 March 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=1.0731]  
 Remarks:

LED Avg.L Report

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm		
NAME: ASD-UCL-18D8CC-2700K	TYPE:	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

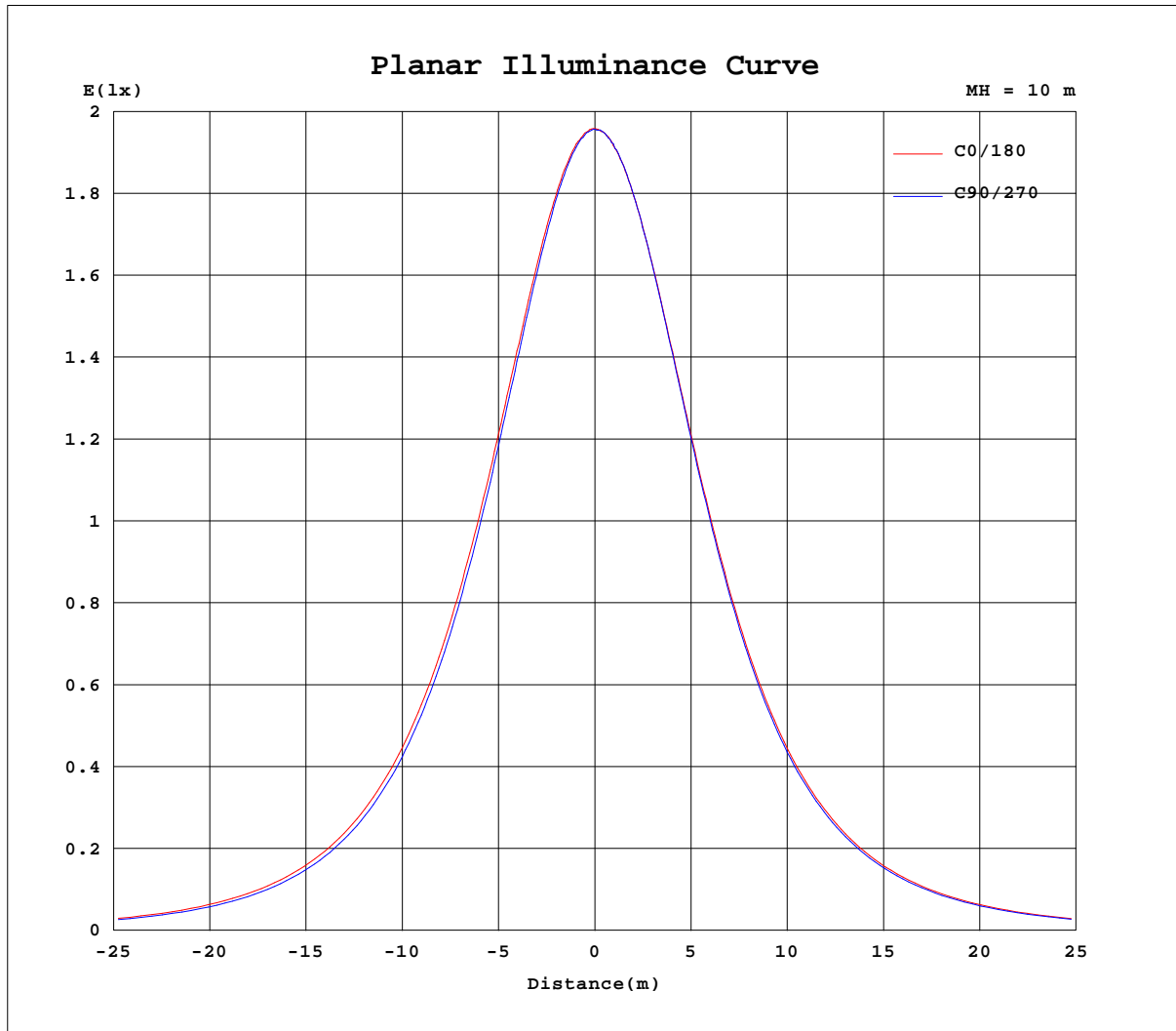
AvgL	cd/m2
L_0~180(65)av	313
L_0~180(75)av	265
L_0~180(85)av	183
L_90~270(65)av	292
L_90~270(75)av	240
L_90~270(85)av	129
L_45(65)av	302
L_45(75)av	252
L_45(85)av	154

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10 March 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=1.0731]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 10 March 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=1.0731]  
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm		
NAME: ASD-UCL-18D8CC-2700K	TYPE:	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	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196
5	195	195	195	195	195	194	194	194	194	195	195	195	195	195	195	195	195	195	195
10	192	192	192	191	191	191	191	191	191	192	191	191	192	192	192	192	192	192	192
15	187	187	186	186	186	185	185	186	186	186	186	187	187	187	187	187	187	187	187
20	181	180	180	179	179	178	178	178	178	179	179	180	180	180	180	180	180	180	180
25	172	172	171	171	170	169	169	169	169	170	171	172	172	172	172	171	172	171	171
30	163	162	161	161	159	159	158	159	159	160	161	162	162	162	162	162	161	161	161
35	152	151	150	149	148	147	147	147	147	149	150	151	151	151	151	150	150	149	149
40	140	139	138	137	135	134	134	134	135	136	137	139	139	139	139	138	137	137	137
45	126	126	125	123	122	121	120	121	121	123	124	125	126	126	125	124	124	123	123
50	112	112	110	109	108	107	106	107	107	109	110	111	112	112	111	110	110	109	109
55	97.7	97.3	95.7	94.5	92.8	92.1	91.2	91.8	92.2	94.1	95.0	96.6	97.1	96.7	96.4	95.2	94.9	93.8	94.0
60	82.3	82.0	80.3	79.2	77.5	76.7	75.9	76.6	77.0	78.7	79.5	81.1	81.7	81.1	80.9	79.7	79.3	78.4	78.7
65	66.5	66.2	64.6	63.6	61.9	61.2	60.4	61.0	61.3	63.0	63.8	65.2	65.6	65.2	65.0	63.9	63.5	62.6	63.0
70	50.4	50.2	48.8	47.9	46.4	45.7	44.9	45.4	45.8	47.2	47.9	49.1	49.5	49.2	49.1	47.9	47.7	46.8	47.3
75	34.8	34.7	33.4	32.7	31.2	30.7	29.9	30.4	30.7	31.9	32.4	33.6	33.8	33.4	33.4	32.5	32.4	31.7	32.1
80	20.3	20.5	19.3	18.7	17.3	17.1	16.3	16.7	16.9	18.0	18.4	19.4	19.5	19.2	19.3	18.4	18.4	17.7	18.2
85	8.36	8.35	7.24	6.61	5.80	5.54	5.11	5.33	5.54	6.26	6.81	7.56	7.59	7.44	7.34	6.62	6.37	5.88	6.17
90	0.52	0.46	0.53	0.43	0.32	0.14	0.14	0.12	0.29	0.42	0.46	0.41	0.33	0.50	0.40	0.39	0.29	0.20	0.18
95	0.21	0.20	0.19	0.19	0.18	0.17	0.18	0.18	0.19	0.19	0.21	0.21	0.13	0.14	0.15	0.16	0.15	0.14	0.16
100	0.28	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.27	0.27	0.19	0.19	0.19	0.19	0.18	0.19	0.18
105	0.36	0.34	0.34	0.33	0.33	0.33	0.34	0.33	0.34	0.33	0.34	0.34	0.27	0.26	0.25	0.24	0.24	0.24	0.25
110	0.44	0.42	0.41	0.41	0.40	0.41	0.42	0.41	0.41	0.40	0.41	0.42	0.34	0.32	0.30	0.29	0.30	0.30	0.31
115	0.51	0.49	0.48	0.47	0.47	0.47	0.48	0.47	0.47	0.47	0.48	0.48	0.39	0.37	0.35	0.34	0.33	0.34	0.35
120	0.58	0.56	0.54	0.52	0.53	0.52	0.54	0.52	0.53	0.52	0.53	0.54	0.44	0.42	0.39	0.38	0.37	0.38	0.40
125	0.62	0.60	0.58	0.56	0.56	0.58	0.59	0.56	0.56	0.55	0.57	0.58	0.48	0.45	0.42	0.42	0.40	0.41	0.44
130	0.64	0.62	0.60	0.59	0.59	0.62	0.63	0.60	0.59	0.58	0.59	0.60	0.49	0.46	0.45	0.44	0.43	0.45	0.48
135	0.64	0.62	0.61	0.60	0.60	0.62	0.63	0.61	0.60	0.59	0.61	0.60	0.49	0.47	0.45	0.45	0.46	0.47	0.49
140	0.62	0.60	0.63	0.61	0.61	0.61	0.61	0.59	0.60	0.61	0.62	0.59	0.47	0.46	0.44	0.47	0.46	0.49	0.51
145	0.60	0.60	0.63	0.64	0.62	0.63	0.63	0.60	0.61	0.64	0.62	0.58	0.45	0.45	0.44	0.46	0.50	0.50	0.53
150	0.59	0.59	0.60	0.65	0.65	0.65	0.63	0.62	0.64	0.63	0.59	0.58	0.43	0.42	0.42	0.41	0.49	0.55	0.57
155	0.57	0.59	0.58	0.62	0.67	0.70	0.69	0.66	0.63	0.61	0.57	0.57	0.40	0.41	0.43	0.40	0.41	0.47	0.50
160	0.55	0.57	0.57	0.57	0.62	0.65	0.65	0.62	0.59	0.54	0.53	0.55	0.38	0.39	0.40	0.40	0.41	0.43	0.43
165	0.52	0.54	0.55	0.55	0.55	0.57	0.57	0.55	0.53	0.50	0.50	0.50	0.37	0.37	0.38	0.41	0.44	0.45	0.44
170	0.52	0.54	0.55	0.54	0.53	0.55	0.52	0.52	0.51	0.49	0.49	0.48	0.40	0.39	0.40	0.42	0.44	0.46	0.47
175	0.50	0.52	0.53	0.53	0.53	0.50	0.50	0.51	0.51	0.50	0.47	0.46	0.43	0.43	0.42	0.45	0.46	0.46	0.45
180	0.49	0.49	0.49	0.50	0.49	0.46	0.46	0.46	0.48	0.50	0.49	0.48	0.49	0.49	0.49	0.50	0.49	0.46	0.46

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:10 March 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=1.0731]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.0730A P:8.5160W PF:0.9715 Freq:59.98Hz Lamp Flux:532.615x1 lm		
NAME: ASD-UCL-18D8CC-2700K	TYPE:	WEIGHT:
SPEC.:8W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2 UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	196	196	196	196	196														
5	195	195	195	195	195														
10	192	192	192	192	192														
15	187	187	187	187	187														
20	180	180	180	181	181														
25	171	172	172	172	173														
30	161	161	162	163	163														
35	150	150	151	151	152														
40	137	138	138	139	140														
45	123	124	125	126	126														
50	109	110	111	112	112														
55	94.2	95.2	96.0	97.2	97.6														
60	78.7	79.9	80.4	81.8	82.3														
65	62.9	64.0	64.7	66.1	66.3														
70	47.3	48.3	48.9	50.1	50.4														
75	32.1	33.0	33.4	34.6	34.7														
80	18.1	19.1	19.3	20.3	20.3														
85	6.24	6.98	7.43	8.24	8.16														
90	0.25	0.34	0.44	0.50	0.56														
95	0.19	0.18	0.18	0.18	0.14														
100	0.21	0.20	0.21	0.20	0.20														
105	0.25	0.25	0.25	0.26	0.26														
110	0.31	0.31	0.30	0.31	0.33														
115	0.34	0.35	0.35	0.36	0.38														
120	0.38	0.39	0.40	0.41	0.44														
125	0.42	0.41	0.43	0.45	0.47														
130	0.46	0.45	0.45	0.47	0.48														
135	0.50	0.47	0.46	0.47	0.49														
140	0.51	0.47	0.48	0.46	0.47														
145	0.53	0.51	0.47	0.46	0.46														
150	0.57	0.51	0.44	0.44	0.45														
155	0.48	0.44	0.43	0.45	0.44														
160	0.46	0.43	0.43	0.43	0.43														
165	0.46	0.45	0.44	0.44	0.42														
170	0.49	0.45	0.44	0.45	0.44														
175	0.43	0.46	0.47	0.48	0.47														
180	0.46	0.48	0.50	0.49	0.48														

C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 0.5DEG
Test Speed: MEDIUM	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:3.010m [K=1.0731]
Test Date:10 March 2021	Remarks: