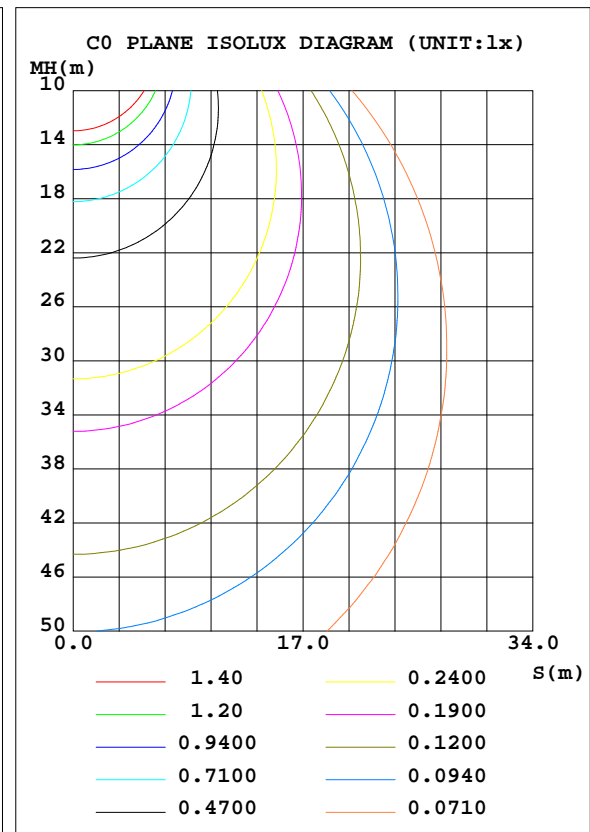
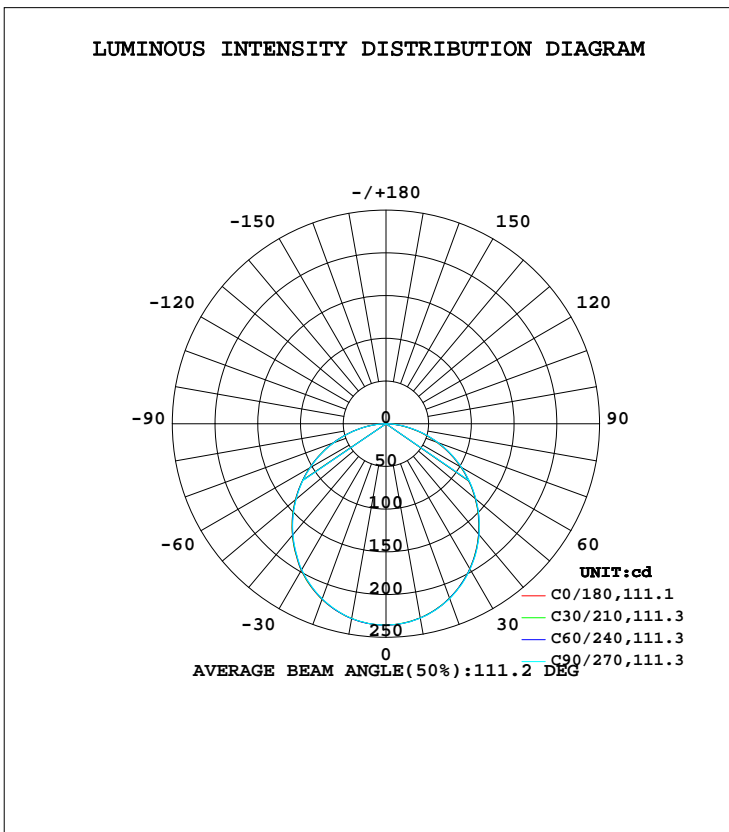


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.11 lm/W			
MODEL	ASD-MPR-5D10CC_3000K	I _{max} (cd)	235.9	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	630	η UP, DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	630	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	230.8	230.8	230.9	231.4	231.6	231.4	231.5	230.9	0- 10	22.28	22.28	3.33,3.33
20	217.2	217.4	218.0	218.4	218.9	218.5	218.0	217.7	10- 20	63.64	85.92	12.9,12.9
30	195.9	196.2	196.8	197.5	198.2	198.0	197.2	196.8	20- 30	96.03	181.9	27.2,27.2
40	168.7	168.9	169.6	170.4	170.4	170.1	169.3	168.6	30- 40	115.0	297.0	44.4,44.4
50	136.3	136.7	137.4	138.3	138.4	138.1	137.3	136.6	40- 50	118.8	415.7	62.2,62.2
60	100.9	101.5	102.3	102.7	103.0	102.8	102.1	101.3	50- 60	107.3	523.0	78.3,78.3
70	63.12	64.29	65.15	65.17	65.73	65.81	65.16	63.98	60- 70	82.68	605.7	90.6,90.6
80	26.58	27.84	28.67	28.72	29.07	29.26	28.57	27.22	70- 80	48.86	654.6	97.9,97.9
90	0.0247	0.0250	0.0337	0.0441	0.0583	0.0492	0.0454	0.0450	80- 90	13.14	667.7	99.9,99.9
100	0.0374	0.0378	0.0377	0.0358	0.0710	0.0720	0.0723	0.0733	90-100	0.0480	667.8	99.9,99.9
110	0.0594	0.0627	0.0591	0.0564	0.0900	0.0910	0.0903	0.0916	100-110	0.0696	667.8	99.9,99.9
120	0.0880	0.0916	0.0889	0.0863	0.0969	0.0969	0.0969	0.0992	110-120	0.0836	667.9	99.9,99.9
130	0.1176	0.1234	0.1191	0.1185	0.1203	0.1206	0.1202	0.1236	120-130	0.0951	668.0	99.9,99.9
140	0.1359	0.1422	0.1412	0.1369	0.1521	0.1505	0.1514	0.1524	130-140	0.1035	668.1	100,100
150	0.1451	0.1494	0.1478	0.1481	0.1889	0.1870	0.1866	0.1872	140-150	0.0980	668.2	100,100
160	0.1691	0.1714	0.1711	0.1717	0.2141	0.2099	0.2102	0.2109	150-160	0.0827	668.3	100,100
170	0.1852	0.1872	0.1879	0.1872	0.2118	0.2108	0.2099	0.2098	160-170	0.0555	668.3	100,100
180	0.2023	0.1994	0.2000	0.2003	0.2013	0.1997	0.1987	0.1977	170-180	0.0191	668.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 356.87 lm

%lum = 53.4%

%lamp = 53.4%

Conical surface Flux(120deg): 523.02 lm

%lum = 78.3%

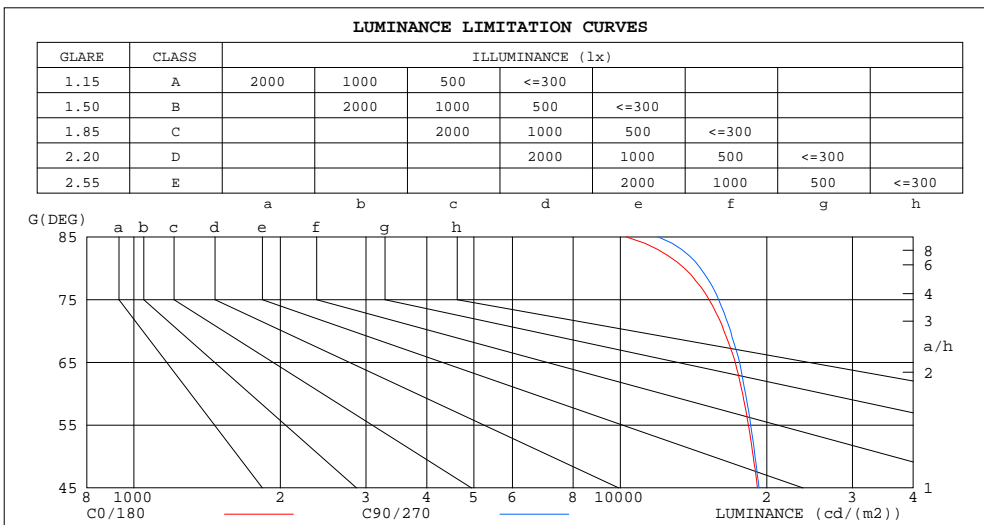
%lamp = 78.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	10273	11953
80	13540	14606
75	15222	15929
70	16326	16850
65	17234	17581
60	17846	18092
55	18333	18528
50	18762	18915
45	19137	19282

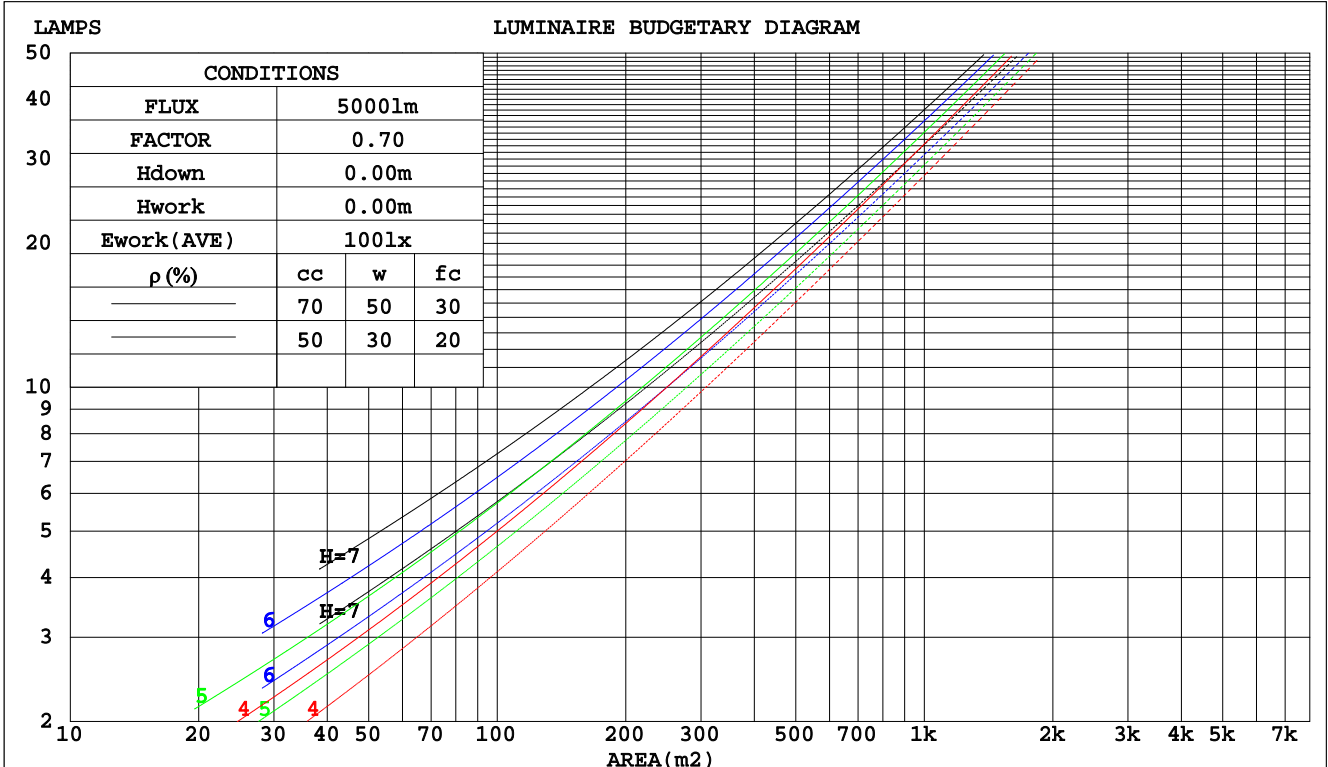
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.312	.177	.056	.305	.174	.055	.292	.167	.053	.279	.161	.052	.268	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045	
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.245	.135	.041	.237	.131	.041	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm										
NAME:					TYPE:LED			WEIGHT:		
SPEC.:ASD-MPR-5D10CC_3000K					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	22.9	24.5	23.2	24.7	24.9	23.0	24.5	23.3	24.7	24.9
3H	24.5	25.9	24.8	26.1	26.4	24.6	26.0	24.9	26.2	26.4
4H	25.1	26.4	25.4	26.7	26.9	25.2	26.5	25.5	26.8	27.1
6H	25.5	26.8	25.9	27.1	27.3	25.7	27.0	26.0	27.2	27.5
8H	25.7	26.9	26.0	27.2	27.5	25.8	27.1	26.2	27.3	27.6
12H	25.7	26.9	26.1	27.2	27.5	25.9	27.1	26.3	27.4	27.7
4H 2H	23.6	24.9	23.9	25.2	25.4	23.6	24.9	23.9	25.2	25.5
3H	25.3	26.5	25.6	26.8	27.1	25.4	26.5	25.7	26.8	27.1
4H	26.0	27.1	26.4	27.4	27.8	26.1	27.2	26.5	27.5	27.9
6H	26.6	27.5	27.0	27.9	28.3	26.7	27.7	27.1	28.1	28.4
8H	26.8	27.7	27.2	28.0	28.4	27.0	27.8	27.4	28.2	28.6
12H	26.9	27.7	27.3	28.1	28.5	27.1	27.9	27.5	28.3	28.7
8H 4H	26.3	27.2	26.7	27.6	28.0	26.4	27.3	26.8	27.7	28.1
6H	27.0	27.8	27.5	28.2	28.6	27.2	27.9	27.6	28.3	28.8
8H	27.3	28.0	27.8	28.4	28.8	27.5	28.1	27.9	28.6	29.0
12H	27.5	28.0	27.9	28.5	29.0	27.7	28.2	28.2	28.7	29.2
12H 4H	26.3	27.2	26.8	27.5	27.9	26.4	27.2	26.9	27.6	28.0
6H	27.1	27.8	27.6	28.2	28.6	27.2	27.9	27.7	28.3	28.8
8H	27.4	28.0	27.9	28.4	28.9	27.6	28.1	28.0	28.6	29.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 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, 668.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.4)
 Area: 0.011304 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

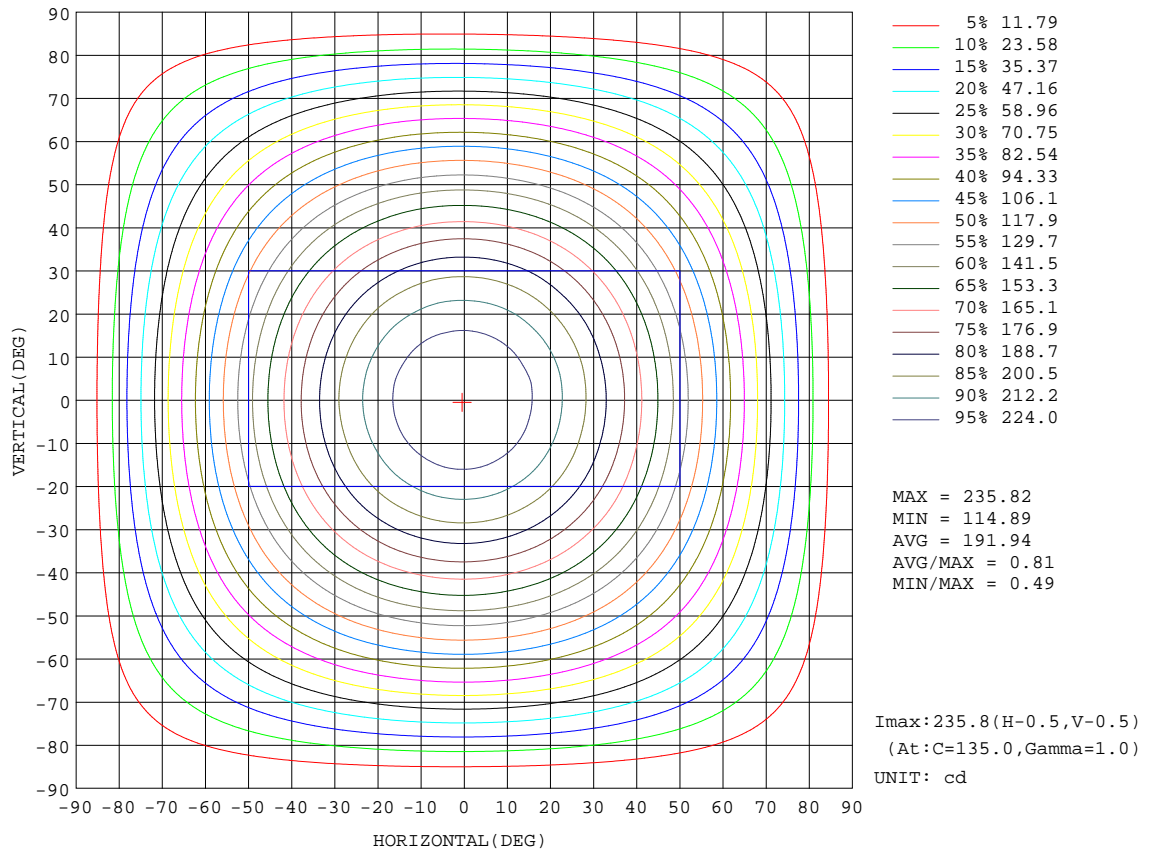
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	65	57	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

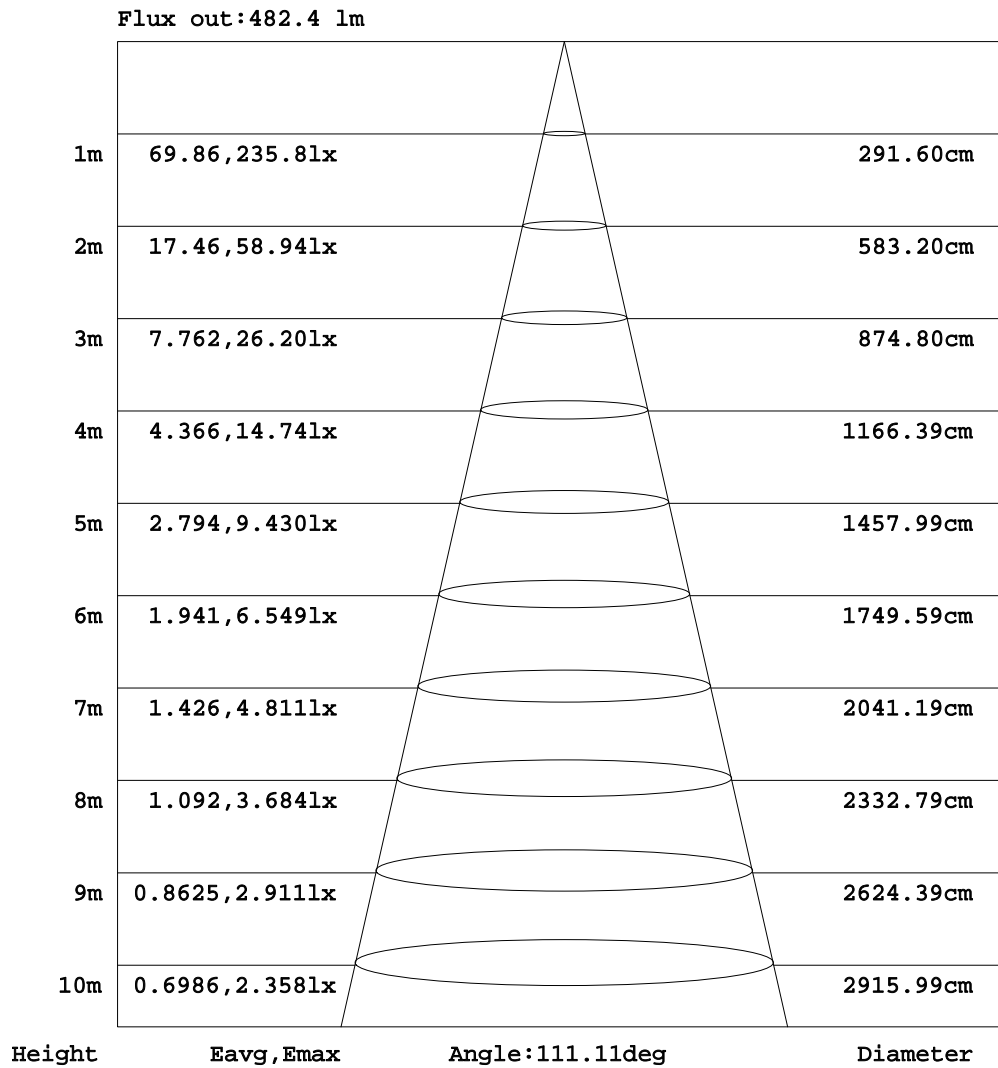


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

AAI Figure

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



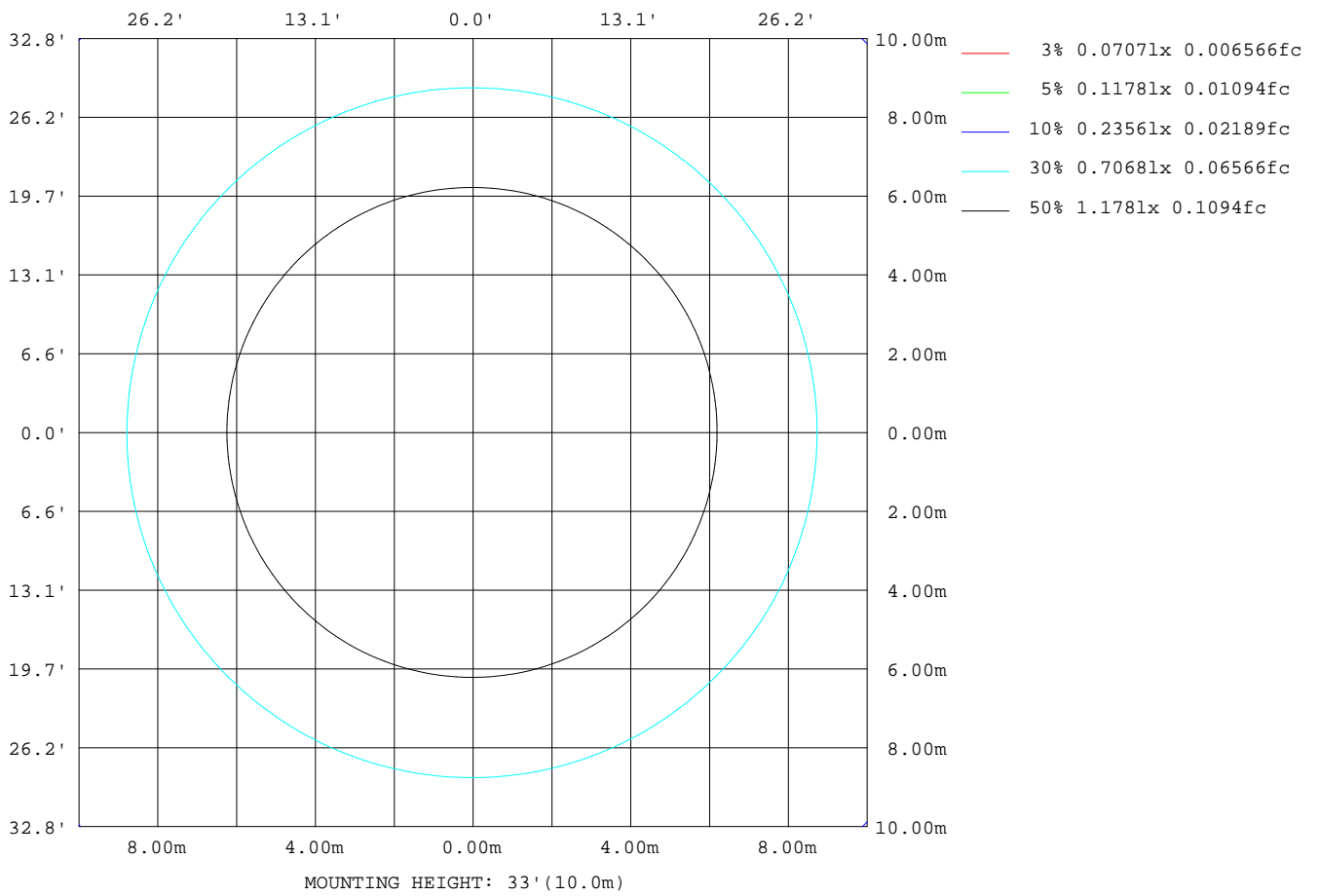
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance:2.500m [K=1.0391]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

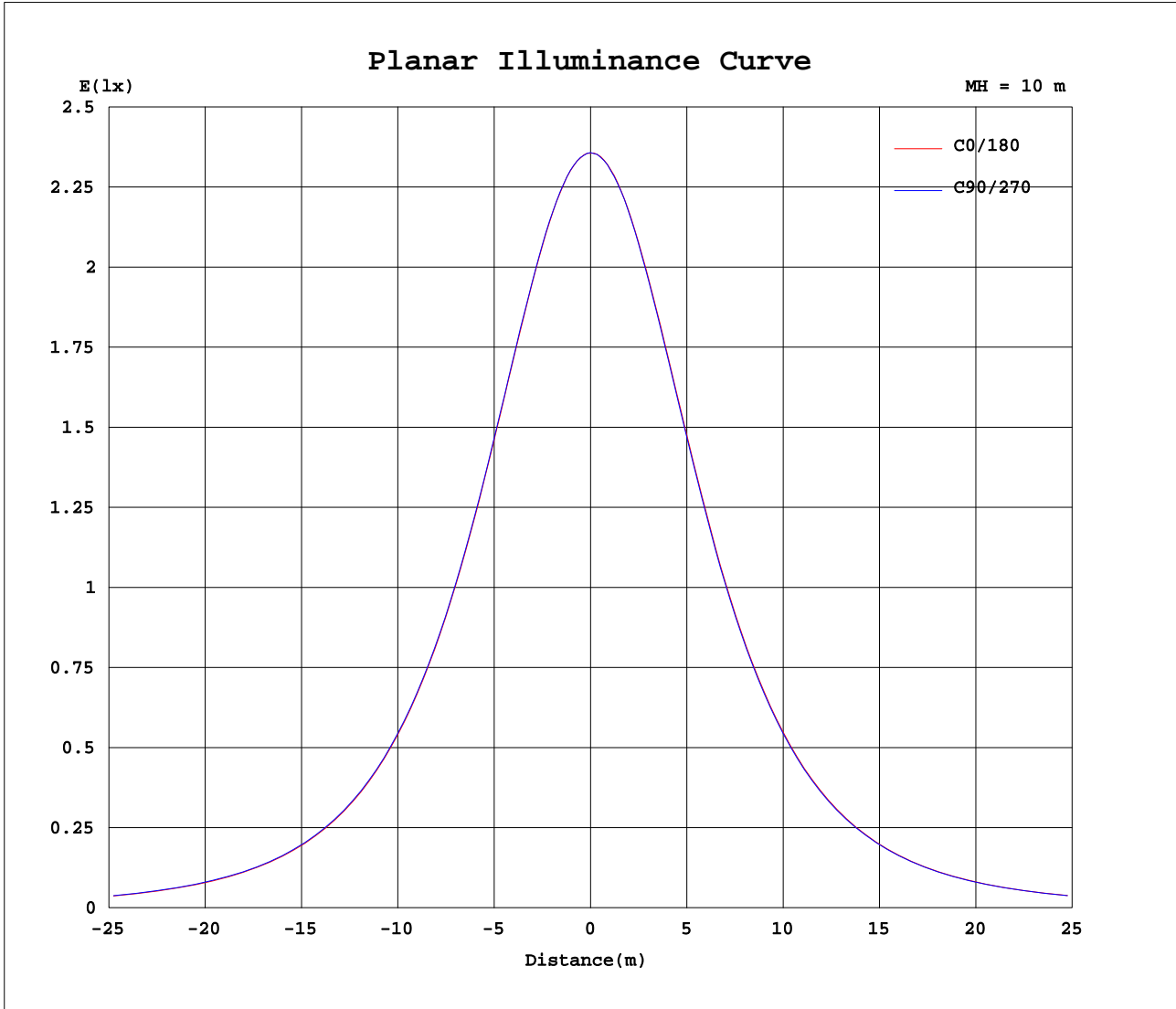
AvgL	cd/m2
L_0~180(65)av	17458
L_0~180(75)av	15644
L_0~180(85)av	11368
L_90~270(65)av	17554
L_90~270(75)av	15929
L_90~270(85)av	11796
L_45(65)av	17507
L_45(75)av	15807
L_45(85)av	11595

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 44.9%
Test Distance: 2.500m [K=1.0391]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	236	236	235	236	236	235	236	236	236	236	236	236	236	236	235	236	236	235	236
5	234	234	234	234	234	234	234	234	234	235	235	235	235	235	235	235	235	234	235
10	231	231	231	231	231	231	231	231	231	231	231	231	232	232	231	231	232	231	231
15	225	225	225	225	225	225	226	225	226	226	226	226	226	226	226	226	226	226	226
20	217	217	217	217	217	218	218	218	218	218	218	219	219	219	219	218	218	218	218
25	207	208	208	208	208	208	208	208	209	209	209	209	209	209	209	209	209	209	208
30	196	196	196	196	196	197	197	197	197	197	198	198	198	198	198	198	198	197	197
35	183	183	183	183	183	184	184	184	184	185	185	185	185	185	185	184	184	184	184
40	169	169	169	169	169	169	170	170	170	170	170	171	170	170	170	170	170	170	169
45	153	153	153	153	154	154	154	154	155	155	155	155	155	155	155	155	154	154	154
50	136	136	136	137	137	137	137	138	138	138	138	138	138	138	138	138	138	138	137
55	119	119	119	119	120	120	120	120	121	121	121	121	121	121	121	121	121	120	120
60	101	101	101	101	102	102	102	102	103	103	103	103	103	103	103	103	103	102	102
65	82.3	82.5	82.9	83.2	83.4	83.7	84.0	84.0	84.2	84.1	84.3	84.4	84.5	84.4	84.6	84.4	84.3	84.2	83.7
70	63.1	63.5	63.9	64.3	64.6	64.9	65.1	65.1	65.2	65.2	65.1	65.2	65.7	65.8	65.9	65.8	65.8	65.6	65.2
75	44.5	44.9	45.3	45.8	46.1	46.4	46.6	46.7	46.6	46.6	46.5	46.6	47.0	47.2	47.3	47.3	47.2	47.0	46.6
80	26.6	27.0	27.4	27.8	28.2	28.5	28.7	28.7	28.8	28.7	28.7	28.7	29.1	29.2	29.2	29.3	29.1	28.9	28.6
85	10.1	10.4	10.7	11.1	11.3	11.7	11.8	11.9	12.0	12.0	12.0	12.0	12.3	12.3	12.2	12.1	12.0	11.8	11.5
90	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.05	0.05	0.05	0.05	0.05
95	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06
100	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.09	0.09	0.09	0.09	0.09
110	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.09	0.09	0.09	0.09	0.09	0.09
115	0.07	0.08	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.09	0.09	0.10	0.09	0.09	0.09
120	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10
125	0.10	0.11	0.10	0.11	0.11	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11
130	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
135	0.13	0.13	0.13	0.14	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14
140	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15
145	0.14	0.14	0.14	0.15	0.15	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.17	0.17	0.17	0.17	0.17	0.17	0.17
150	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.19	0.19	0.19	0.19	0.19	0.19	0.19
155	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.20	0.20	0.20	0.20	0.20	0.20	0.20
160	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.21	0.21	0.21	0.21	0.21	0.21	0.21
165	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.22	0.22	0.22	0.22	0.21	0.21	0.21
170	0.19	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.21	0.21	0.21	0.21	0.21	0.21	0.21
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21
180	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.0895A P:10.480W PF:0.9758 Freq:60.00Hz Lamp Flux:630x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-MPR-5D10CC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	236	236	236	236	236														
5	234	234	235	234	234														
10	231	231	231	231	231														
15	226	225	225	225	225														
20	218	218	218	218	218														
25	208	208	208	208	208														
30	197	197	197	197	197														
35	183	183	183	183	183														
40	169	169	169	169	169														
45	154	153	153	153	153														
50	137	137	137	137	136														
55	120	119	119	119	119														
60	102	101	101	101	101														
65	83.5	83.1	82.8	82.5	82.5														
70	64.8	64.4	64.0	63.7	63.6														
75	46.2	45.7	45.3	45.0	44.9														
80	28.1	27.6	27.2	26.9	26.9														
85	11.1	10.8	10.5	10.3	10.3														
90	0.05	0.04	0.05	0.05	0.05														
95	0.06	0.06	0.06	0.06	0.06														
100	0.07	0.07	0.07	0.07	0.07														
105	0.09	0.09	0.09	0.09	0.09														
110	0.09	0.09	0.09	0.09	0.09														
115	0.10	0.10	0.10	0.10	0.10														
120	0.10	0.10	0.10	0.10	0.10														
125	0.11	0.11	0.11	0.11	0.11														
130	0.12	0.12	0.12	0.12	0.12														
135	0.14	0.14	0.14	0.14	0.14														
140	0.15	0.15	0.15	0.15	0.15														
145	0.17	0.17	0.17	0.17	0.17														
150	0.19	0.19	0.19	0.19	0.19														
155	0.20	0.20	0.20	0.20	0.20														
160	0.21	0.21	0.21	0.21	0.21														
165	0.21	0.21	0.21	0.22	0.21														
170	0.21	0.21	0.21	0.21	0.21														
175	0.21	0.21	0.21	0.21	0.21														
180	0.20	0.20	0.20	0.20	0.20														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 24 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.9%
 Test Distance: 2.500m [K=1.0391]
 Remarks: