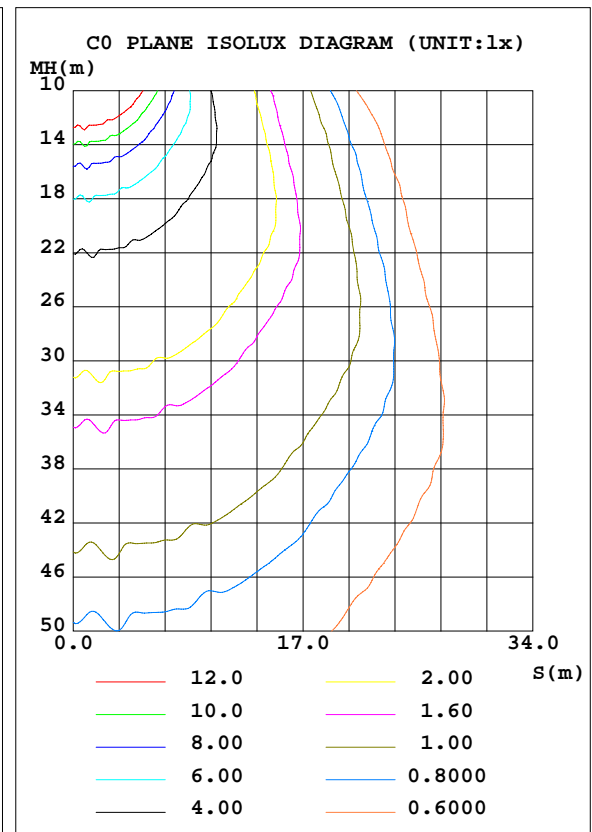
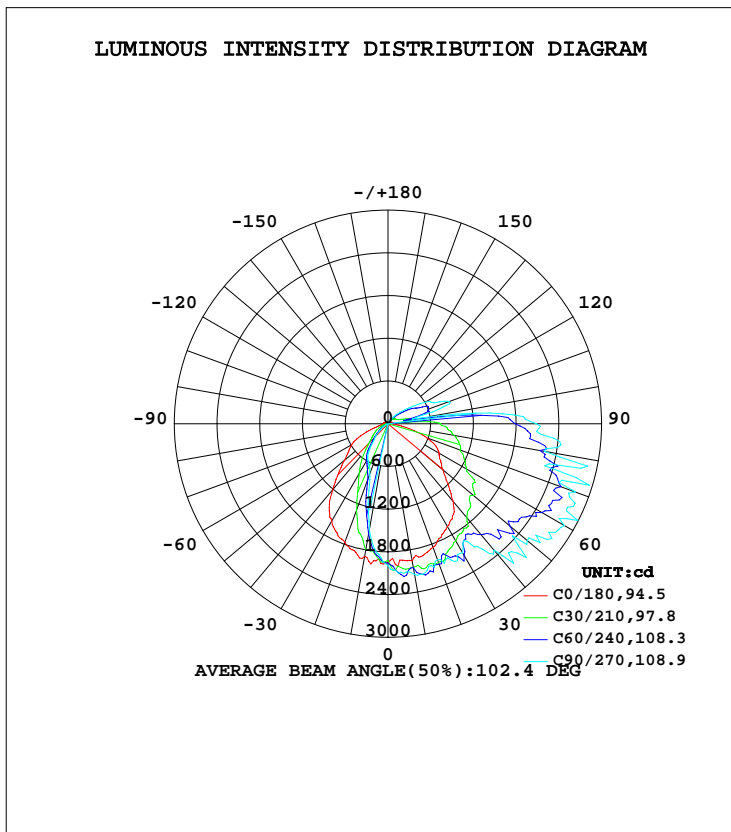


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-WLP01-50DAC-EM_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.70 lm/W			
MODEL	ASD-WLP01-50DAC	I _{max} (cd)	2993	S/MH(C0/180)	1.21
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	0.52
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	7511.1	η UP, DN(C0-180)	11.9,72.3
NOMINAL FLUX(lm)	7511.15	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.4,15.4
LAMPS INSIDE	1	η up(%)	12.3	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	87.7	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1955	2077	2146	2058	1891	1685	1510	1792	0- 10	185.5	185.5	2.47,2.47
20	1848	2128	2034	2058	1773	1098	752.1	1196	10- 20	493.8	679.3	9.04,9.04
30	1667	2003	2096	1889	1579	665.8	567.5	718.4	20- 30	688.9	1368	18.2,18.2
40	1429	1726	2316	1814	1209	451.5	317.4	508.2	30- 40	813.4	2182	29,29
50	1007	1827	2554	1736	794.5	256.7	149.0	293.4	40- 50	894.4	3076	41,41
60	828.5	1691	2861	1546	588.9	120.3	60.73	160.0	50- 60	929.3	4005	53.3,53.3
70	581.3	1893	2804	1696	291.3	44.17	2.038	73.02	60- 70	963.7	4969	66.2,66.2
80	192.8	1715	2233	1487	96.04	11.89	2.899	21.56	70- 80	888.7	5858	78,78
90	69.78	1310	2084	1118	61.26	6.195	3.159	11.93	80- 90	728.7	6586	87.7,87.7
100	43.66	198.0	483.9	294.4	42.94	4.394	6.065	6.133	90-100	406.0	6992	93.1,93.1
110	62.76	326.9	912.3	275.3	55.06	4.482	7.309	4.229	100-110	181.7	7174	95.5,95.5
120	37.49	251.8	609.4	223.6	27.72	4.879	6.883	5.442	110-120	173.8	7348	97.8,97.8
130	10.69	157.8	301.4	122.6	7.915	3.149	5.934	3.226	120-130	97.97	7446	99.1,99.1
140	3.227	91.34	134.1	74.30	3.540	3.496	4.403	3.401	130-140	43.12	7489	99.7,99.7
150	3.456	29.28	59.66	22.21	3.891	3.188	3.057	4.028	140-150	15.71	7505	99.9,99.9
160	3.711	5.144	14.17	4.354	3.349	3.497	3.148	3.737	150-160	4.912	7510	100,100
170	2.859	3.702	4.257	4.764	4.179	3.702	2.030	2.204	160-170	1.149	7511	100,100
180	3.007	2.868	3.177	2.464	3.064	2.796	2.937	2.445	170-180	0.3231	7511	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2624.4 lm

%lum = 34.9%

%lamp = 34.9%

Conical surface Flux(120deg): 4005.4 lm

%lum = 53.3%

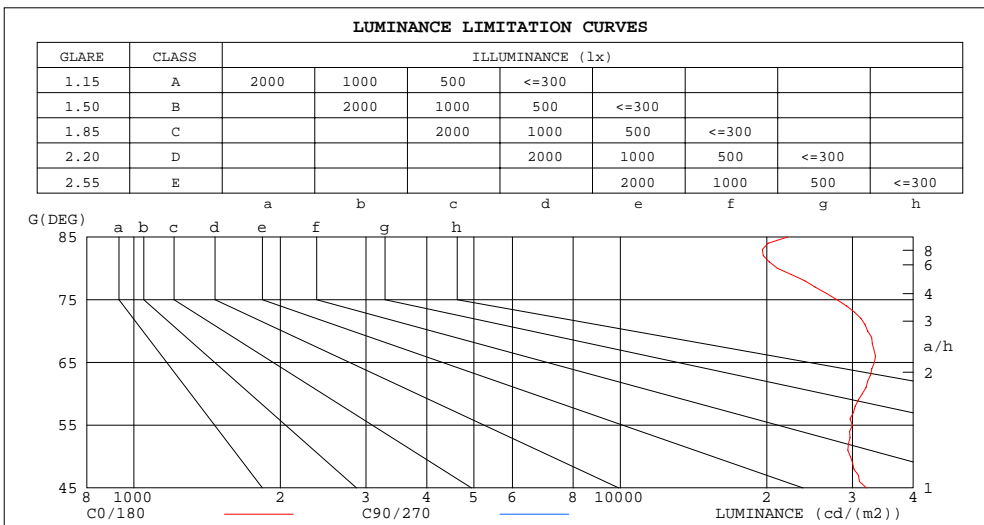
%lamp = 53.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22085	508649
80	21054	243897
75	27873	166965
70	32233	155519
65	33284	124660
60	31426	108515
55	30007	92952
50	29707	75362
45	32074	68886

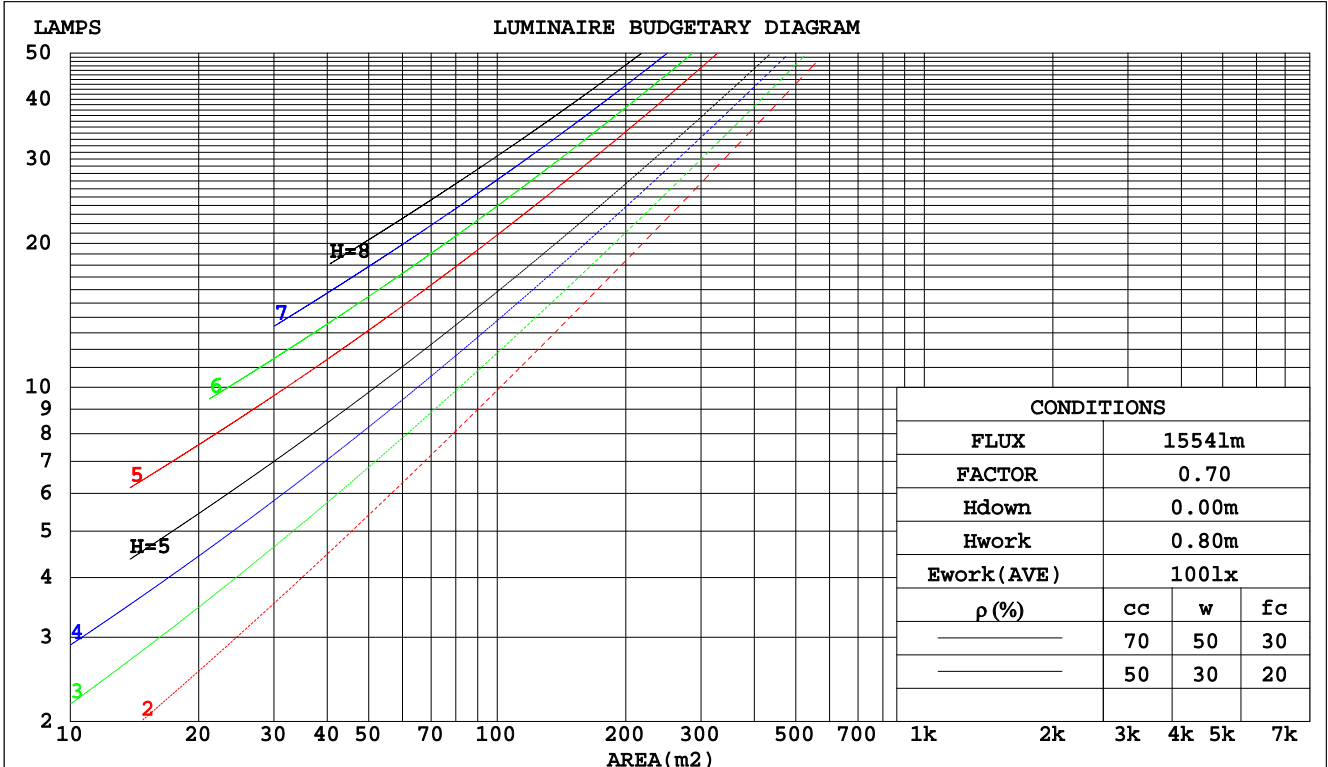
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.91	.91	.91	.88
1.0	.95	.89	.84	.92	.86	.82	.85	.81	.77	.79	.75	.72	.73	.70	.68	.65
2.0	.81	.72	.65	.78	.70	.64	.72	.66	.60	.67	.62	.57	.62	.58	.54	.51
3.0	.70	.60	.53	.67	.59	.51	.62	.55	.49	.58	.52	.47	.54	.49	.44	.41
4.0	.61	.51	.44	.59	.50	.43	.55	.47	.41	.51	.44	.39	.47	.42	.37	.34
5.0	.54	.45	.37	.53	.43	.37	.49	.41	.35	.46	.39	.33	.42	.37	.32	.29
6.0	.49	.39	.32	.47	.38	.32	.44	.36	.30	.41	.34	.29	.38	.32	.28	.25
7.0	.44	.35	.28	.43	.34	.28	.40	.32	.27	.37	.31	.26	.35	.29	.25	.22
8.0	.40	.31	.25	.39	.31	.25	.37	.29	.24	.34	.28	.23	.32	.26	.22	.20
9.0	.37	.28	.23	.36	.28	.22	.34	.26	.21	.32	.25	.21	.30	.24	.20	.18
10.0	.34	.26	.20	.33	.25	.20	.31	.24	.19	.29	.23	.19	.28	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	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	.420	.239	.076	.409	.233	.074	.388	.223	.071	.369	.213	.068	.351	.204	.066	
2.0	.356	.195	.060	.346	.190	.059	.327	.182	.056	.310	.174	.054	.294	.166	.052	
3.0	.312	.166	.050	.303	.162	.049	.286	.155	.047	.270	.148	.045	.256	.142	.044	
4.0	.278	.144	.042	.270	.141	.042	.255	.135	.040	.240	.129	.039	.227	.124	.038	
5.0	.251	.128	.037	.244	.125	.036	.230	.120	.035	.217	.115	.034	.205	.110	.033	
6.0	.229	.115	.033	.222	.112	.032	.210	.107	.031	.198	.103	.030	.187	.098	.029	
7.0	.210	.104	.029	.204	.102	.029	.193	.097	.028	.182	.093	.027	.172	.089	.026	
8.0	.194	.095	.027	.189	.093	.026	.178	.089	.025	.169	.085	.025	.160	.082	.024	
9.0	.180	.087	.024	.175	.086	.024	.166	.082	.023	.157	.079	.023	.149	.076	.022	
10.0	.169	.081	.022	.164	.079	.022	.155	.076	.021	.147	.073	.021	.139	.070	.020	

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	.284	.284	.284	.243	.243	.243	.166	.166	.166	.095	.095	.095	.030	.030	.030	
1.0	.283	.250	.220	.242	.214	.190	.165	.147	.131	.095	.085	.076	.030	.027	.025	
2.0	.276	.227	.185	.236	.195	.160	.162	.135	.112	.093	.079	.066	.030	.025	.021	
3.0	.268	.210	.164	.230	.181	.142	.158	.126	.100	.091	.074	.059	.029	.024	.019	
4.0	.260	.198	.150	.223	.171	.130	.153	.119	.092	.089	.070	.054	.029	.023	.018	
5.0	.252	.188	.141	.216	.163	.122	.149	.114	.086	.086	.067	.051	.028	.022	.017	
6.0	.244	.180	.134	.210	.156	.116	.145	.109	.082	.084	.064	.049	.027	.021	.016	
7.0	.237	.173	.129	.204	.150	.112	.141	.105	.079	.082	.062	.047	.026	.020	.016	
8.0	.230	.167	.125	.198	.145	.109	.137	.102	.077	.080	.060	.046	.026	.020	.015	
9.0	.223	.163	.122	.192	.141	.106	.133	.099	.075	.078	.059	.045	.025	.019	.015	
10.0	.217	.158	.119	.187	.138	.104	.130	.097	.074	.076	.057	.044	.025	.019	.015	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			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	24.7	26.2	25.3	26.8	27.4	29.9	31.4	30.4	31.9	32.5
3H	27.2	28.6	27.8	29.2	29.8	33.7	35.1	34.3	35.7	36.3
4H	28.1	29.4	28.7	30.0	30.7	35.6	37.0	36.2	37.5	38.2
6H	28.7	29.9	29.3	30.5	31.2	37.5	38.8	38.1	39.4	40.1
8H	28.9	30.1	29.5	30.7	31.3	38.5	39.7	39.1	40.3	41.0
12H	29.0	30.2	29.6	30.8	31.5	39.7	40.8	40.3	41.4	42.2
4H 2H	27.0	28.3	27.6	28.9	29.5	30.2	31.5	30.8	32.1	32.7
3H	29.3	30.4	29.9	31.1	31.7	34.6	35.7	35.2	36.4	37.0
4H	30.3	31.4	30.9	32.0	32.7	36.8	37.8	37.4	38.5	39.2
6H	31.2	32.2	31.8	32.8	33.5	38.9	39.9	39.6	40.5	41.3
8H	31.6	32.5	32.2	33.1	33.8	40.0	40.9	40.6	41.6	42.3
12H	31.8	32.7	32.5	33.3	34.0	41.4	42.2	42.0	42.9	43.6
8H 4H	32.6	33.5	33.3	34.2	34.9	37.1	38.0	37.7	38.7	39.4
6H	33.8	34.5	34.4	35.2	35.9	39.6	40.4	40.2	41.0	41.8
8H	34.2	35.0	34.9	35.6	36.4	40.9	41.6	41.6	42.3	43.1
12H	34.7	35.3	35.4	36.0	36.8	42.6	43.2	43.2	43.9	44.7
12H 4H	33.4	34.3	34.1	34.9	35.7	37.1	38.0	37.8	38.6	39.3
6H	34.9	35.6	35.5	36.2	37.0	39.7	40.4	40.4	41.1	41.8
8H	35.5	36.2	36.2	36.8	37.6	41.1	41.8	41.8	42.5	43.3
CIE190: 2010										

CIE190: 2010
Area: 0.052725 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 08 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 49.8%
Test Distance: 2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

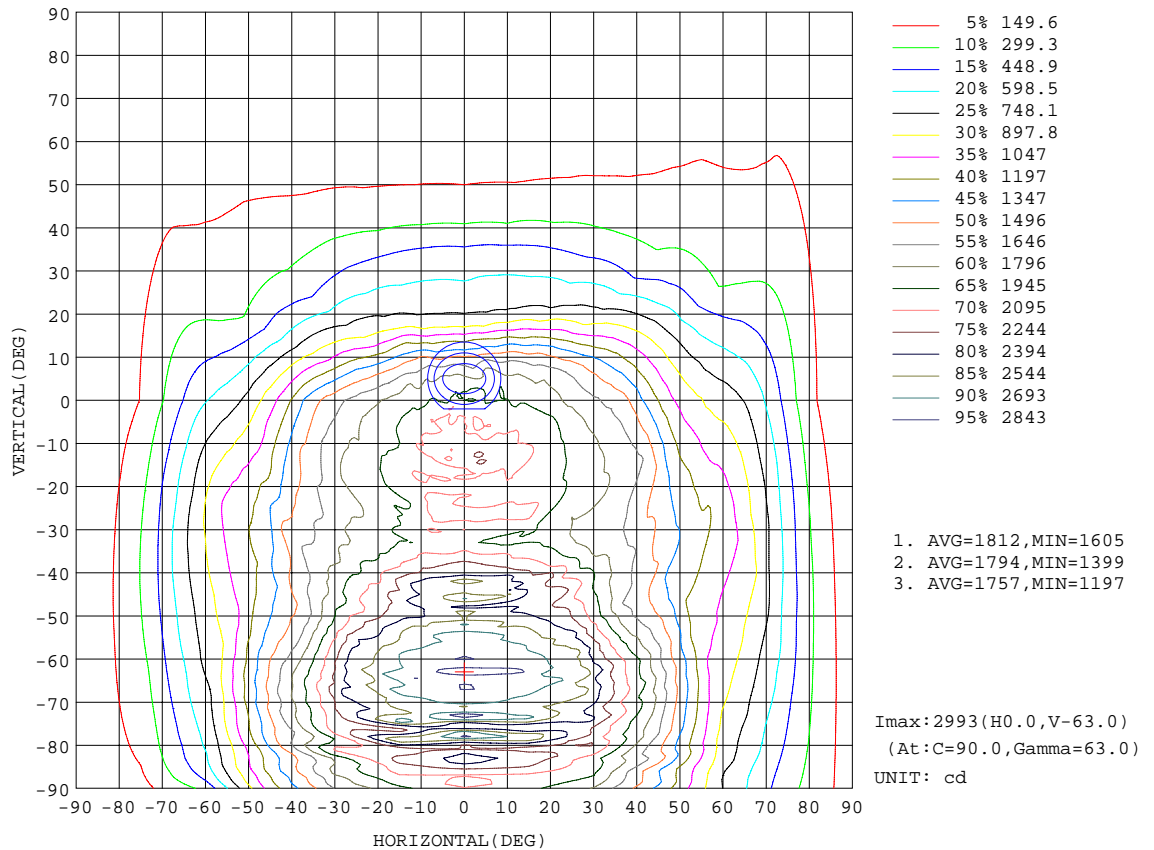
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	36	29	48	36	28	46	35	28	21
0.80	57	44	36	56	44	36	54	42	35	27
1.00	65	52	43	63	51	43	60	52	42	33
1.25	72	59	50	69	57	49	66	55	48	39
1.50	77	64	55	74	63	54	70	60	53	43
2.00	84	72	64	81	71	63	76	67	60	49
2.50	88	78	70	85	76	68	80	72	65	54
3.00	92	83	75	89	80	73	83	76	70	58
4.00	97	89	82	94	86	80	87	81	76	63
5.00	100	93	87	97	90	84	90	85	80	66
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: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

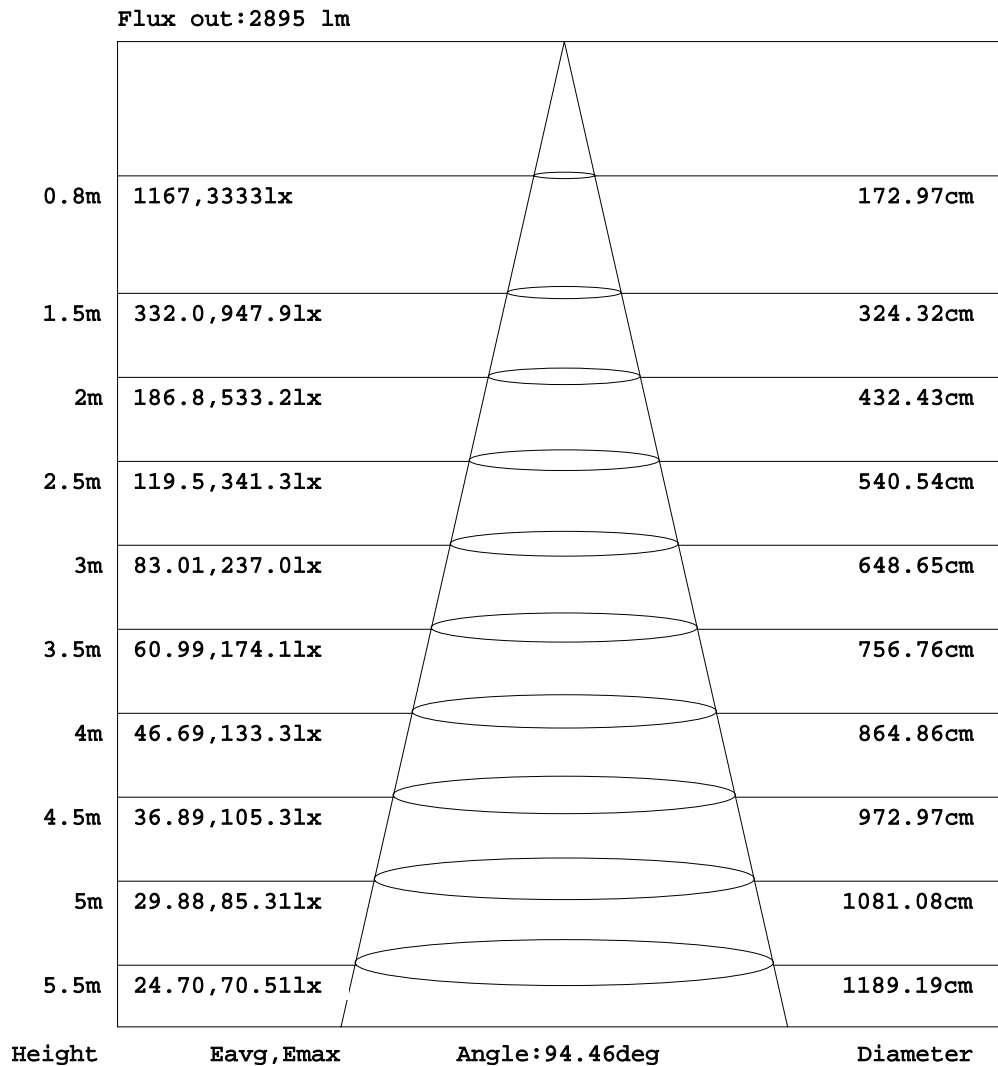


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

AAI Figure

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



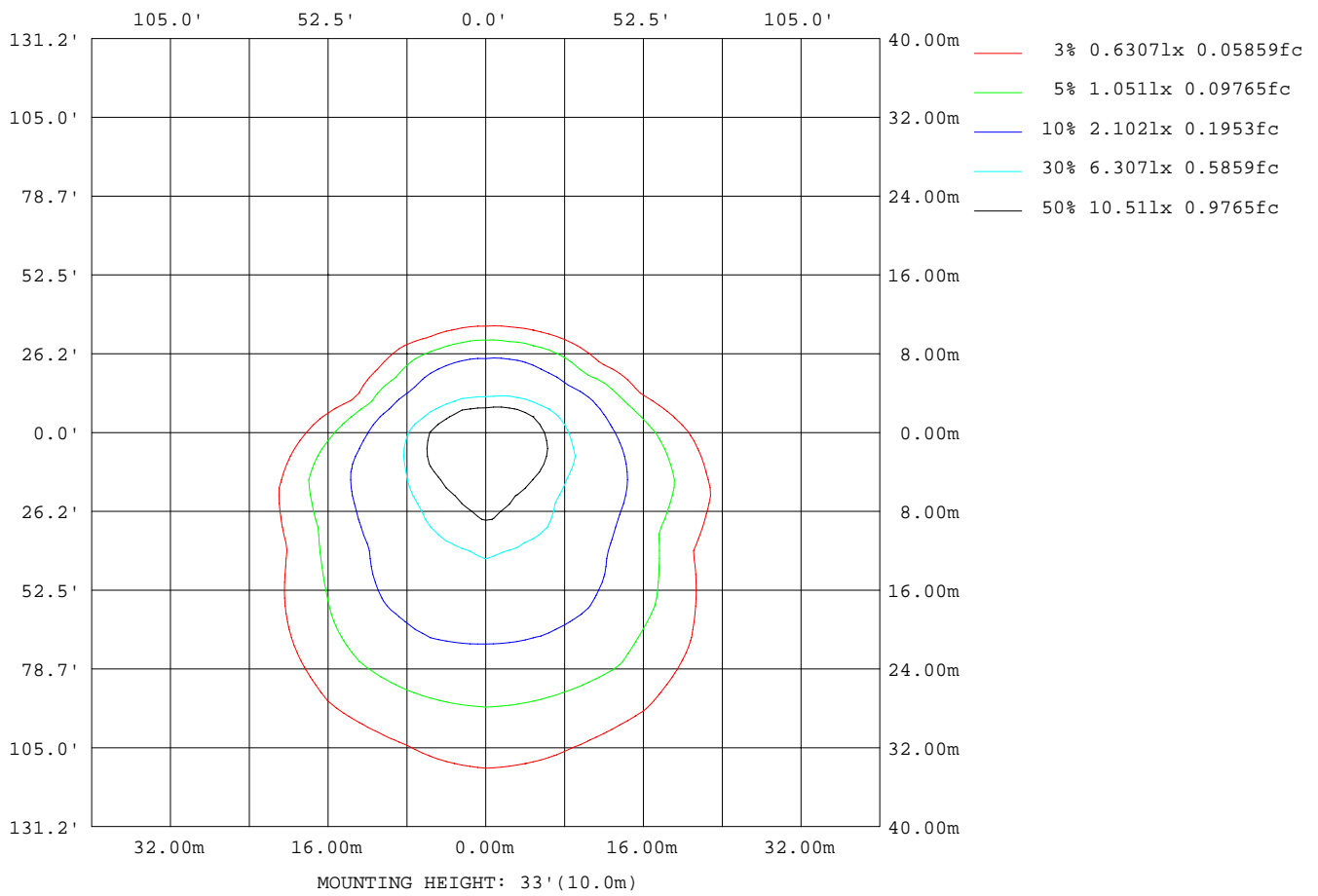
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:Alan Wang
 Test Date:08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance:2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

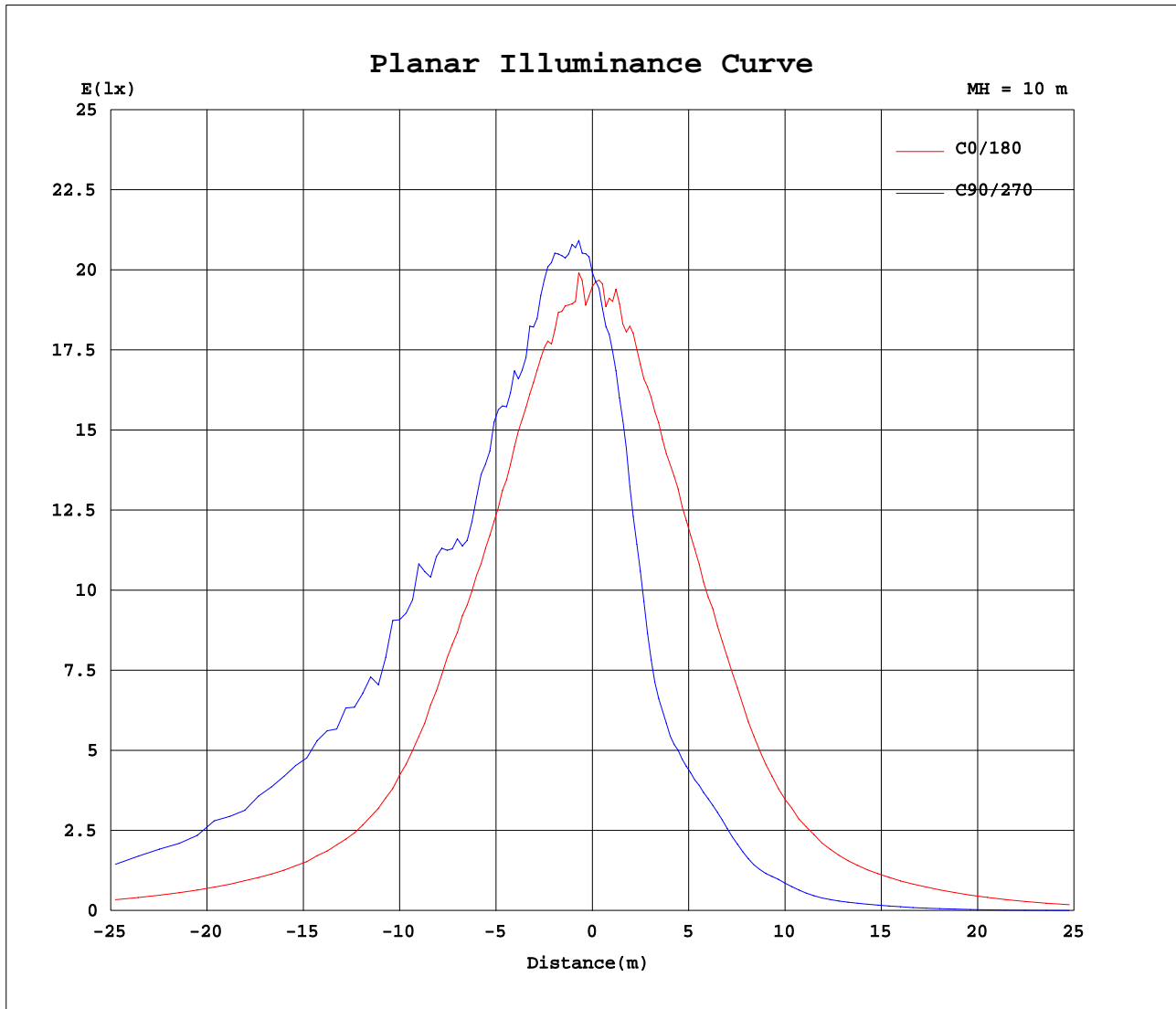
AvgL	cd/m2
L_0~180(65)av	26853
L_0~180(75)av	19597
L_0~180(85)av	18750
L_90~270(65)av	62840
L_90~270(75)av	83574
L_90~270(85)av	254665
L_45(65)av	40749
L_45(75)av	65196
L_45(85)av	157790

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 49.8%
Test Distance: 2.500m [K=1.0469]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	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	1949	1928	1917	1975	1957	1985	1991	2013	2046	2067	1941	1944	1949	1928	1917	1975	1957	1985	1991
5	1923	1962	2025	2061	2125	2033	2093	2151	2015	2110	2041	1967	1934	1842	1869	1866	1853	1853	1819
10	1955	2019	2048	2077	2051	2181	2146	2151	2166	2058	2059	1972	1891	1824	1799	1685	1568	1539	1510
15	1914	2021	2091	2129	2174	2290	2131	2118	2094	2118	2031	1944	1841	1730	1581	1422	1198	1119	1071
20	1848	2000	2072	2128	2101	1981	2034	2038	2123	2058	1905	1915	1773	1548	1288	1098	832	772	752
25	1763	1912	1984	2023	2074	2057	2117	2108	2071	1993	1895	1809	1693	1372	996	799	691	648	634
30	1667	1822	1907	2003	2136	2013	2096	2067	1941	1889	1872	1740	1579	1169	811	666	600	579	567
35	1580	1772	1838	1817	1899	1952	2112	1950	1931	1782	1766	1625	1440	959	656	560	516	490	466
40	1429	1691	1726	1726	2032	2260	2316	2251	1962	1814	1634	1484	1209	769	498	451	379	333	317
45	1196	1570	1646	1774	2250	2389	2568	2454	2035	1759	1557	1281	982	571	368	337	271	245	242
50	1007	1336	1571	1827	2233	2382	2554	2358	2149	1736	1545	1140	794	403	291	257	188	164	149
55	907	1230	1457	1741	2291	2655	2811	2622	2203	1680	1321	1087	674	269	235	184	131	107	106
60	828	1197	1276	1691	2496	2769	2861	2762	2346	1546	1184	1036	589	200	191	120	76.1	66.4	60.7
65	742	1126	1183	1846	2550	2749	2778	2861	2448	1594	1075	868	455	180	142	81.7	39.3	27.0	22.7
70	581	989	1078	1893	2586	2645	2804	2593	2417	1696	951	714	291	164	98.5	44.2	2.91	2.22	2.04
75	380	826	1029	1885	2382	2601	2278	2787	2241	1622	867	530	154	138	63.2	16.2	2.82	2.75	2.51
80	193	653	946	1715	2170	2361	2233	2462	1963	1487	752	364	96.0	108	42.5	11.9	3.33	3.19	2.90
85	101	493	841	1598	2012	2252	2337	2178	1795	1278	626	231	70.8	78.7	31.8	8.69	3.57	3.39	3.13
90	69.8	348	743	1310	1785	1984	2084	1911	1651	1118	335	103	61.3	61.1	23.9	6.19	3.31	3.33	3.16
95	56.8	160	232	704	1361	1556	1617	1497	1010	367	250	72.1	55.1	51.9	16.5	4.03	2.73	3.07	3.11
100	43.7	73.0	355	198	318	421	484	441	226	294	243	61.4	42.9	32.3	11.8	4.39	4.36	5.71	6.07
105	38.5	56.7	279	315	474	667	658	675	486	284	138	45.5	47.4	16.8	6.85	4.45	5.15	6.74	7.40
110	62.8	37.7	179	327	612	862	912	866	555	275	110	33.0	55.1	14.7	8.36	4.48	5.53	6.86	7.31
115	52.8	26.1	139	299	584	676	697	661	498	250	94.6	25.3	40.4	10.3	7.14	4.85	5.82	6.77	7.20
120	37.5	21.4	129	252	442	578	609	550	392	224	90.5	19.1	27.7	6.97	5.87	4.88	5.83	6.60	6.88
125	25.0	17.1	124	210	342	412	427	388	284	173	91.9	9.65	19.2	5.11	4.83	4.76	5.68	6.29	6.49
130	10.7	5.09	106	158	236	286	301	272	195	123	71.9	6.24	7.91	2.91	3.66	3.15	5.23	5.86	5.93
135	3.87	15.0	87.2	112	158	202	211	187	130	105	42.2	6.93	4.60	4.97	2.73	3.81	3.75	3.67	4.36
140	3.23	8.50	45.6	91.3	106	128	134	120	89.6	74.3	20.1	4.32	3.54	4.32	3.39	3.50	4.05	4.54	4.40
145	3.48	4.75	12.0	58.1	75.3	80.5	80.5	78.2	69.0	44.3	4.47	4.06	3.79	3.37	3.29	3.29	3.30	3.86	3.85
150	3.46	3.83	4.07	29.3	55.1	60.8	59.7	58.8	45.0	22.2	4.47	4.37	3.89	3.11	3.42	3.19	3.55	3.16	3.06
155	3.60	4.19	5.11	4.84	28.3	37.2	39.7	36.8	22.9	4.63	4.16	3.66	3.87	3.11	2.55	3.28	3.78	3.62	3.23
160	3.71	4.45	4.14	5.14	4.37	13.0	14.2	9.36	4.60	4.35	4.50	4.74	3.35	3.50	3.14	3.50	3.51	3.35	3.15
165	3.87	4.61	4.55	3.71	3.98	5.20	5.66	5.57	4.34	4.52	4.80	4.66	4.18	4.26	3.74	3.28	3.65	3.20	2.68
170	2.86	3.14	3.73	3.70	4.24	4.36	4.26	4.38	4.70	4.76	4.64	4.35	4.18	4.23	4.15	3.70	3.34	2.58	2.03
175	3.22	3.18	3.39	3.72	4.04	4.41	4.46	4.47	4.20	3.29	2.97	2.63	4.13	4.15	4.27	3.95	2.72	2.06	1.76
180	3.01	3.04	2.96	2.87	3.28	3.24	3.18	2.88	2.80	2.46	2.08	1.42	3.06	2.77	2.94	2.80	2.93	2.94	2.94

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4348A P:51.910W PF:0.9950 Freq:60.00Hz Lamp Flux:7250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2013	2046	2067	1941	1944														
5	1818	1819	1907	1948	1949														
10	1526	1709	1792	1848	1867														
15	1166	1288	1540	1734	1836														
20	779	931	1196	1544	1764														
25	663	722	901	1274	1626														
30	596	627	718	999	1446														
35	507	554	621	818	1263														
40	351	438	508	682	1074														
45	256	305	401	522	890														
50	170	221	293	370	707														
55	111	156	224	290	524														
60	72.2	101	160	237	363														
65	30.7	55.6	110	197	253														
70	2.23	19.7	73.0	160	195														
75	2.71	4.73	35.4	120	170														
80	3.12	4.03	21.6	85.5	151														
85	3.33	3.83	16.2	61.1	126														
90	3.18	3.29	11.9	46.9	96.0														
95	2.96	2.50	8.07	36.5	73.7														
100	5.52	3.68	6.13	27.0	63.1														
105	6.66	4.77	5.77	10.8	31.8														
110	6.42	5.29	4.23	14.3	6.07														
115	6.70	5.71	5.68	12.2	6.58														
120	6.51	5.80	5.44	10.0	5.54														
125	6.10	5.69	5.07	7.41	4.71														
130	5.67	5.30	3.23	5.94	4.15														
135	3.62	3.44	3.94	4.64	3.95														
140	4.17	4.25	3.40	3.61	8.08														
145	3.26	3.56	3.46	4.02	5.70														
150	2.39	3.62	4.03	3.61	4.40														
155	3.31	3.87	3.92	3.93	3.54														
160	2.99	2.84	3.74	4.05	3.86														
165	2.40	3.47	3.07	3.82	4.18														
170	1.89	2.11	2.20	2.60	4.24														
175	1.73	1.73	1.93	2.42	2.89														
180	2.91	2.83	2.44	2.28	2.61														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 08 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.8%
 Test Distance: 2.500m [K=1.0469]
 Remarks: