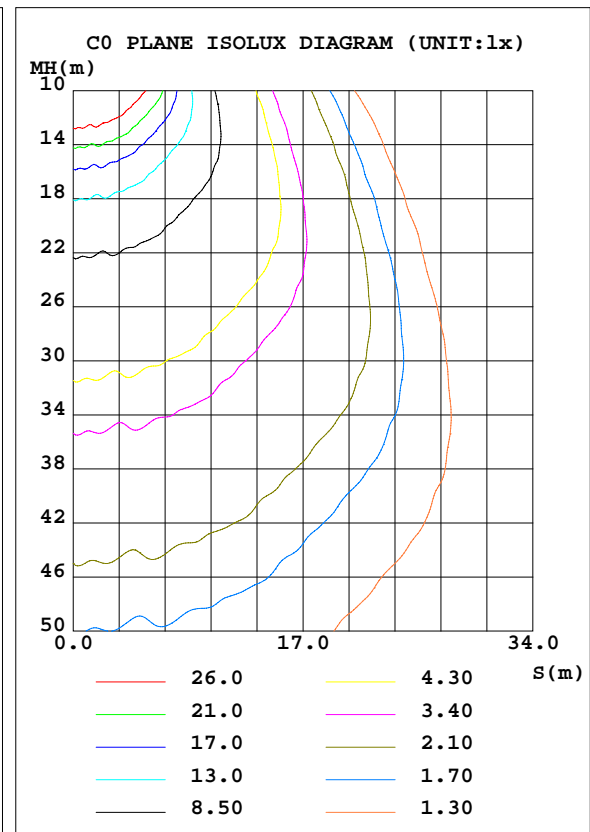
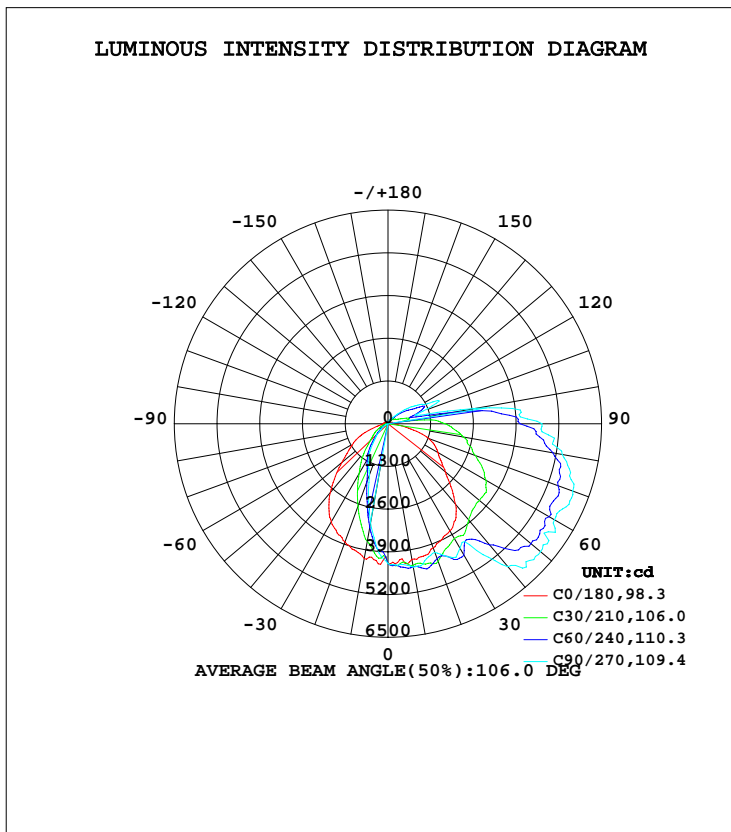


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-WLP01-120DAC_3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.20 lm/W			
MODEL	ASD-WLP01-120DAC	I _{max} (cd)	6162	S/MH(C0/180)	1.21
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	0.52
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	16954	η UP, DN(C0-180)	12.9,72.7
NOMINAL FLUX(lm)	16953.7	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.4,14.0
LAMPS INSIDE	1	η up(%)	13.3	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	86.7	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4191	4365	4429	4350	4170	3333	3057	3518	0- 10	386.7	386.7	2.28,2.28
20	4025	4377	4163	4341	3827	2186	1661	2354	10- 20	1035	1422	8.39,8.39
30	3762	4374	4381	4136	3449	1418	1192	1515	20- 30	1471	2893	17.1,17.1
40	3201	3979	5679	3910	2728	898.3	633.1	972.7	30- 40	1783	4676	27.6,27.6
50	2280	4599	6058	4086	1836	486.2	291.9	534.6	40- 50	2052	6728	39.7,39.7
60	1758	4551	5852	4052	1238	227.5	115.4	276.1	50- 60	2155	8882	52.4,52.4
70	1324	4509	5984	3649	687.5	87.13	4.844	112.4	60- 70	2134	11017	65,65
80	492.2	4180	5380	3371	241.6	32.51	6.440	38.79	70- 80	2003	13019	76.8,76.8
90	157.1	3179	4686	2593	135.3	20.24	6.777	17.18	80- 90	1674	14693	86.7,86.7
100	113.4	1104	2697	1035	91.96	13.71	13.59	11.74	90-100	1170	15863	93.6,93.6
110	138.3	714.3	1133	533.8	115.3	15.21	15.47	12.03	100-110	380.1	16244	95.8,95.8
120	73.13	563.0	1192	434.5	60.87	15.15	15.32	11.43	110-120	349.9	16594	97.9,97.9
130	25.02	339.0	666.6	278.5	20.74	12.18	13.90	8.633	120-130	209.0	16803	99.1,99.1
140	7.993	221.5	264.2	206.9	12.95	8.143	10.92	6.628	130-140	96.01	16899	99.7,99.7
150	4.832	108.1	135.4	78.32	6.560	9.032	5.613	9.249	140-150	37.98	16937	99.9,99.9
160	9.080	12.33	53.34	11.45	8.138	9.075	7.616	8.943	150-160	13.30	16950	100,100
170	9.758	9.948	8.737	10.65	10.97	10.14	5.156	4.040	160-170	3.053	16953	100,100
180	5.585	5.585	5.585	5.585	5.839	5.839	5.839	5.839	170-180	0.7684	16954	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5678.2 lm

%lum = 33.5%

%lamp = 33.5%

Conical surface Flux(120deg): 8882.5 lm

%lum = 52.4%

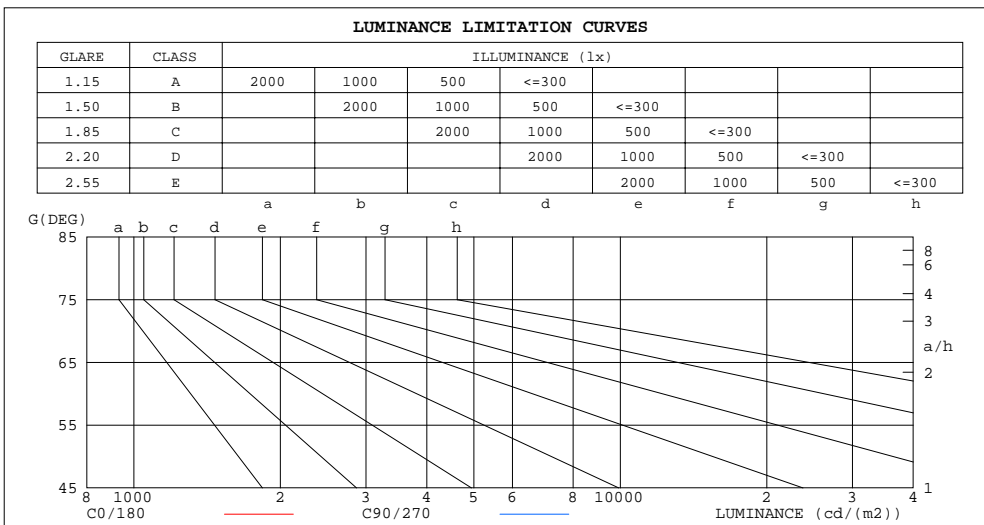
%lamp = 52.4%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 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	54086	1106278
80	53755	587614
75	66163	421739
70	73447	331842
65	70417	268448
60	66678	221996
55	65118	191770
50	67284	178760
45	72712	159231

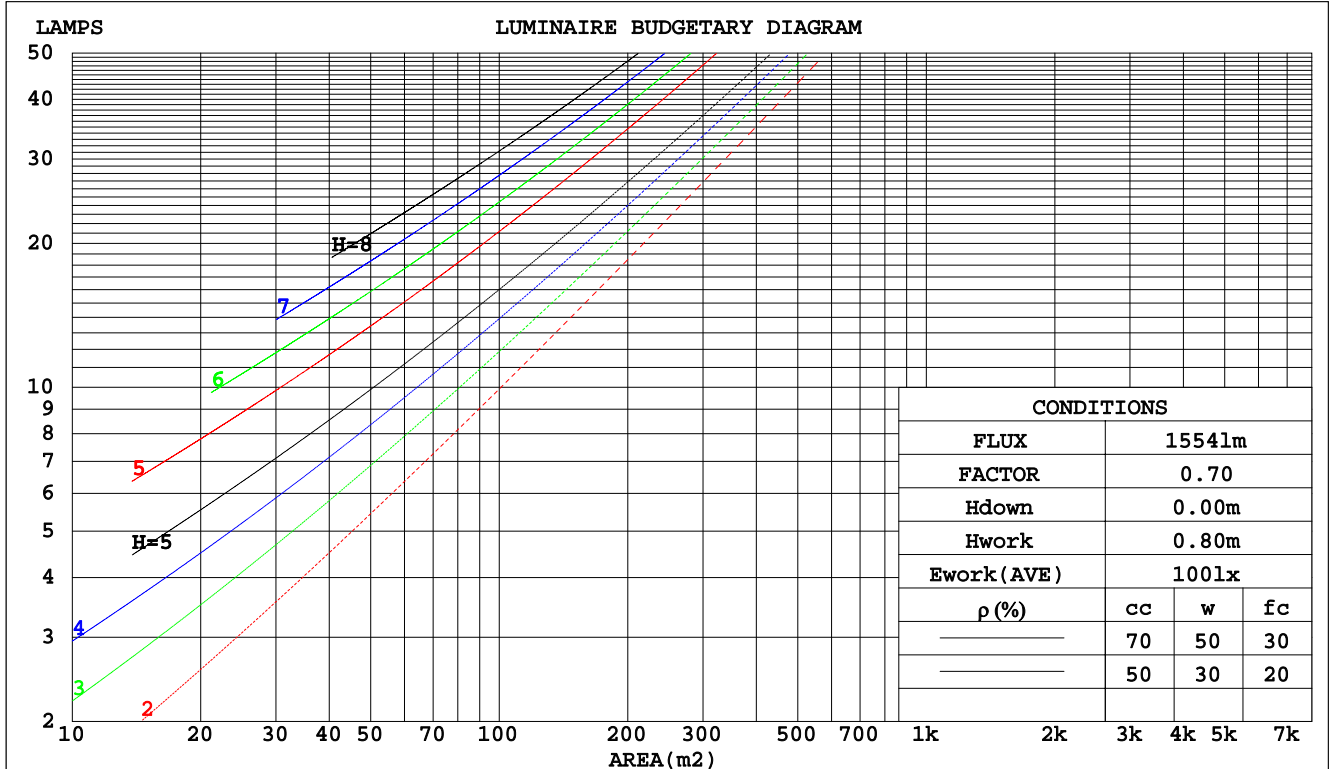
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 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	.96	.96	.96	.90	.90	.90	.87
1.0	.95	.89	.84	.91	.86	.81	.84	.80	.76	.78	.74	.71	.72	.69	.67	.63
2.0	.80	.72	.65	.77	.70	.63	.71	.65	.59	.66	.61	.56	.61	.57	.53	.50
3.0	.69	.60	.52	.67	.58	.51	.62	.54	.48	.57	.51	.46	.53	.48	.43	.40
4.0	.61	.51	.43	.58	.49	.42	.54	.46	.40	.50	.44	.38	.46	.41	.36	.33
5.0	.54	.44	.37	.52	.43	.36	.48	.40	.34	.45	.38	.33	.42	.36	.31	.28
6.0	.48	.39	.32	.47	.38	.31	.43	.35	.30	.40	.33	.28	.37	.32	.27	.24
7.0	.44	.34	.28	.42	.33	.27	.39	.32	.26	.37	.30	.25	.34	.28	.24	.21
8.0	.40	.31	.24	.38	.30	.24	.36	.28	.23	.34	.27	.22	.31	.26	.21	.19
9.0	.36	.28	.22	.35	.27	.21	.33	.26	.21	.31	.24	.20	.29	.23	.19	.17
10.0	.33	.25	.20	.32	.25	.19	.30	.23	.19	.29	.22	.18	.27	.21	.17	.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 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	.423	.240	.076	.411	.235	.075	.390	.224	.071	.370	.214	.069	.352	.204	.066	
2.0	.357	.196	.060	.347	.191	.059	.328	.182	.057	.310	.174	.054	.294	.166	.052	
3.0	.313	.167	.050	.304	.163	.049	.287	.155	.047	.270	.148	.045	.255	.141	.044	
4.0	.279	.145	.043	.271	.142	.042	.255	.135	.040	.241	.129	.039	.227	.123	.038	
5.0	.252	.128	.037	.244	.125	.037	.230	.120	.035	.217	.114	.034	.205	.109	.033	
6.0	.230	.115	.033	.223	.113	.032	.210	.108	.031	.198	.103	.030	.187	.098	.029	
7.0	.211	.104	.030	.205	.102	.029	.193	.098	.028	.182	.093	.027	.172	.089	.026	
8.0	.195	.095	.027	.189	.093	.026	.179	.089	.025	.168	.085	.025	.159	.082	.024	
9.0	.181	.088	.024	.176	.086	.024	.166	.082	.023	.157	.079	.023	.148	.075	.022	
10.0	.169	.081	.023	.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	.292	.292	.292	.250	.250	.250	.170	.170	.170	.098	.098	.098	.031	.031	.031	
1.0	.291	.258	.228	.249	.221	.196	.170	.152	.136	.098	.088	.079	.031	.028	.026	
2.0	.284	.235	.193	.243	.202	.167	.167	.140	.116	.096	.081	.068	.031	.026	.022	
3.0	.276	.218	.172	.237	.188	.149	.163	.131	.105	.094	.076	.062	.030	.025	.020	
4.0	.268	.206	.158	.230	.178	.137	.158	.124	.097	.092	.073	.057	.029	.024	.019	
5.0	.260	.196	.148	.224	.170	.129	.154	.118	.091	.089	.070	.054	.029	.023	.018	
6.0	.252	.188	.142	.217	.163	.123	.150	.114	.087	.087	.067	.052	.028	.022	.017	
7.0	.245	.181	.137	.211	.157	.119	.146	.110	.084	.085	.065	.050	.027	.021	.017	
8.0	.238	.176	.133	.205	.152	.116	.142	.107	.082	.082	.063	.049	.027	.021	.016	
9.0	.231	.171	.130	.199	.148	.113	.138	.104	.080	.080	.062	.048	.026	.020	.016	
10.0	.225	.167	.127	.194	.145	.111	.135	.102	.079	.079	.060	.047	.025	.020	.016	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 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	27.5	29.0	28.0	29.5	30.2	32.5	34.0	33.1	34.6	35.2
3H	29.7	31.0	30.2	31.6	32.3	36.3	37.7	36.8	38.2	38.9
4H	30.5	31.8	31.1	32.4	33.1	38.1	39.4	38.7	40.0	40.7
6H	31.1	32.4	31.7	33.0	33.7	40.0	41.3	40.6	41.9	42.6
8H	31.3	32.5	31.9	33.2	33.8	41.0	42.2	41.6	42.9	43.5
12H	31.5	32.6	32.1	33.3	34.0	42.2	43.3	42.8	43.9	44.7
4H 2H	30.1	31.4	30.7	32.0	32.7	32.9	34.3	33.5	34.8	35.5
3H	32.3	33.4	32.9	34.1	34.8	37.1	38.2	37.7	38.9	39.6
4H	33.3	34.3	33.9	35.0	35.7	39.2	40.3	39.9	40.9	41.7
6H	34.1	35.1	34.7	35.7	36.5	41.5	42.4	42.1	43.1	43.8
8H	34.4	35.3	35.1	36.0	36.7	42.6	43.5	43.2	44.1	44.9
12H	34.7	35.5	35.3	36.2	37.0	43.9	44.7	44.5	45.4	46.1
8H 4H	35.6	36.5	36.3	37.2	37.9	39.6	40.5	40.2	41.1	41.9
6H	36.8	37.6	37.5	38.3	39.0	42.1	42.9	42.8	43.6	44.4
8H	37.3	38.0	38.0	38.7	39.5	43.5	44.2	44.2	44.9	45.7
12H	37.7	38.4	38.4	39.0	39.9	45.1	45.7	45.8	46.4	47.2
12H 4H	36.4	37.2	37.1	37.9	38.7	39.6	40.4	40.3	41.1	41.9
6H	37.9	38.6	38.6	39.3	40.1	42.2	43.0	42.9	43.6	44.4
8H	38.6	39.3	39.3	39.9	40.8	43.7	44.4	44.4	45.1	45.9
CIE190: 2010										

CIE190: 2010
Area: 0.052725 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Alan Wang
Test Date: 07 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 49.6%
Test Distance: 2.500m [K=1.0462]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

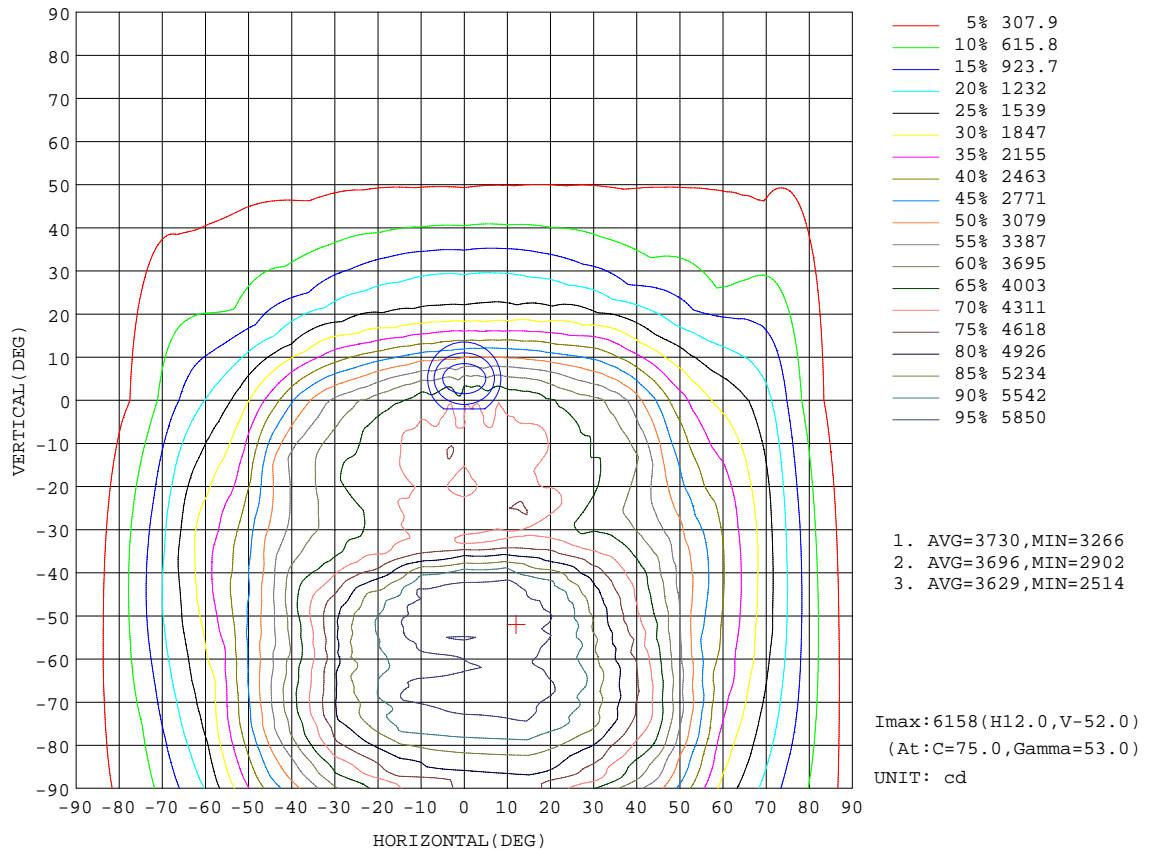
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	47	34	27	45	34	27	20
0.80	56	43	35	55	42	34	53	41	34	26
1.00	64	51	42	62	50	41	59	51	40	32
1.25	71	58	49	69	56	48	65	54	47	37
1.50	76	63	54	73	62	53	69	59	52	42
2.00	83	71	63	80	70	61	75	66	59	48
2.50	88	77	68	85	75	67	79	71	64	52
3.00	92	82	74	88	79	72	82	75	69	56
4.00	97	88	81	93	85	79	87	80	75	62
5.00	100	92	86	96	89	83	89	84	79	65
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: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



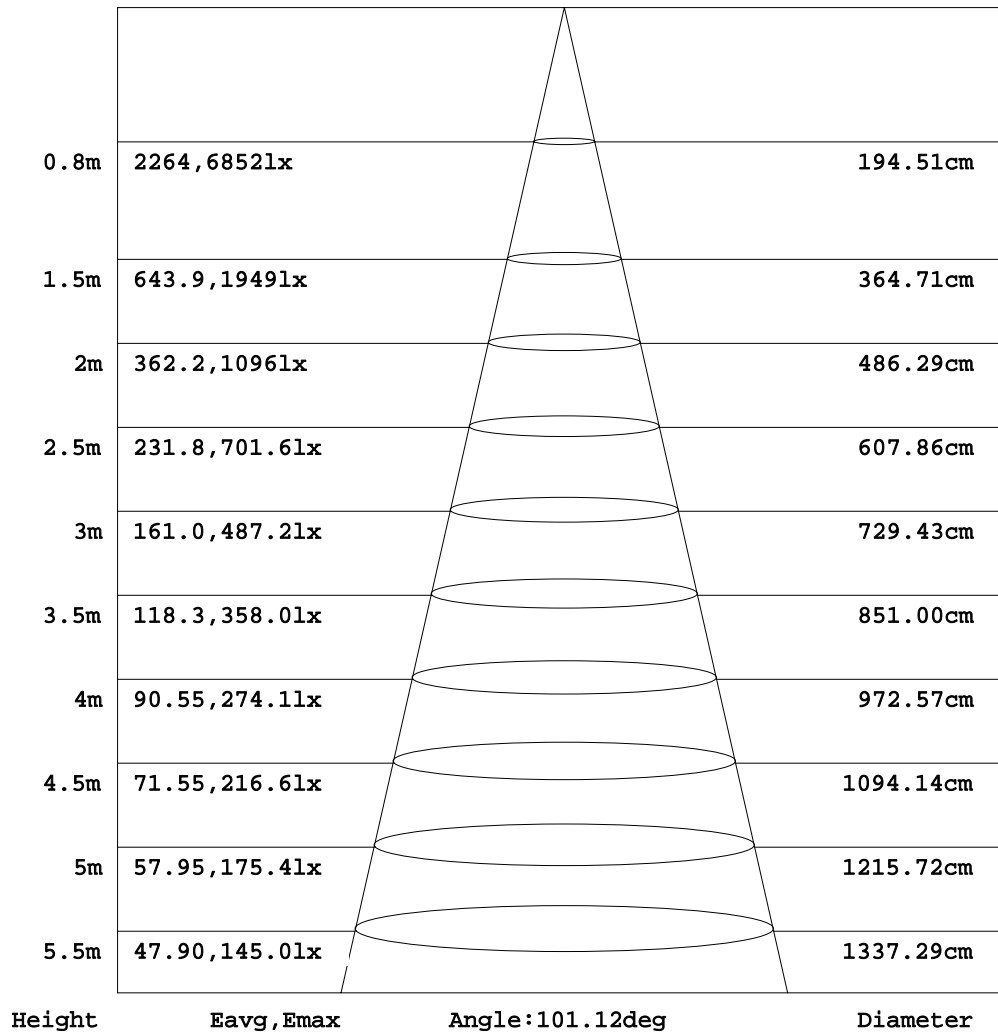
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

AAI Figure

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:6941 lm



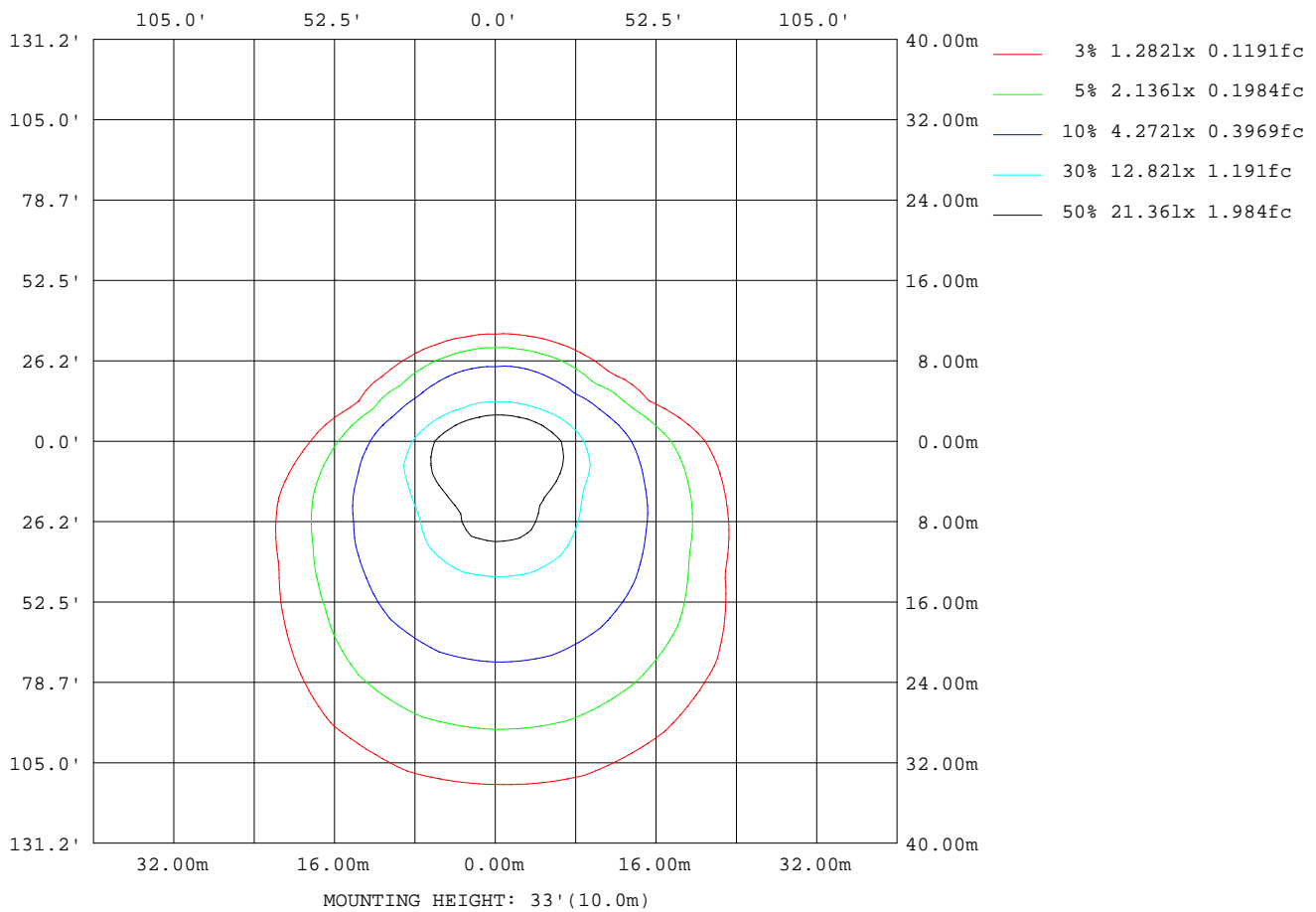
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 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: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

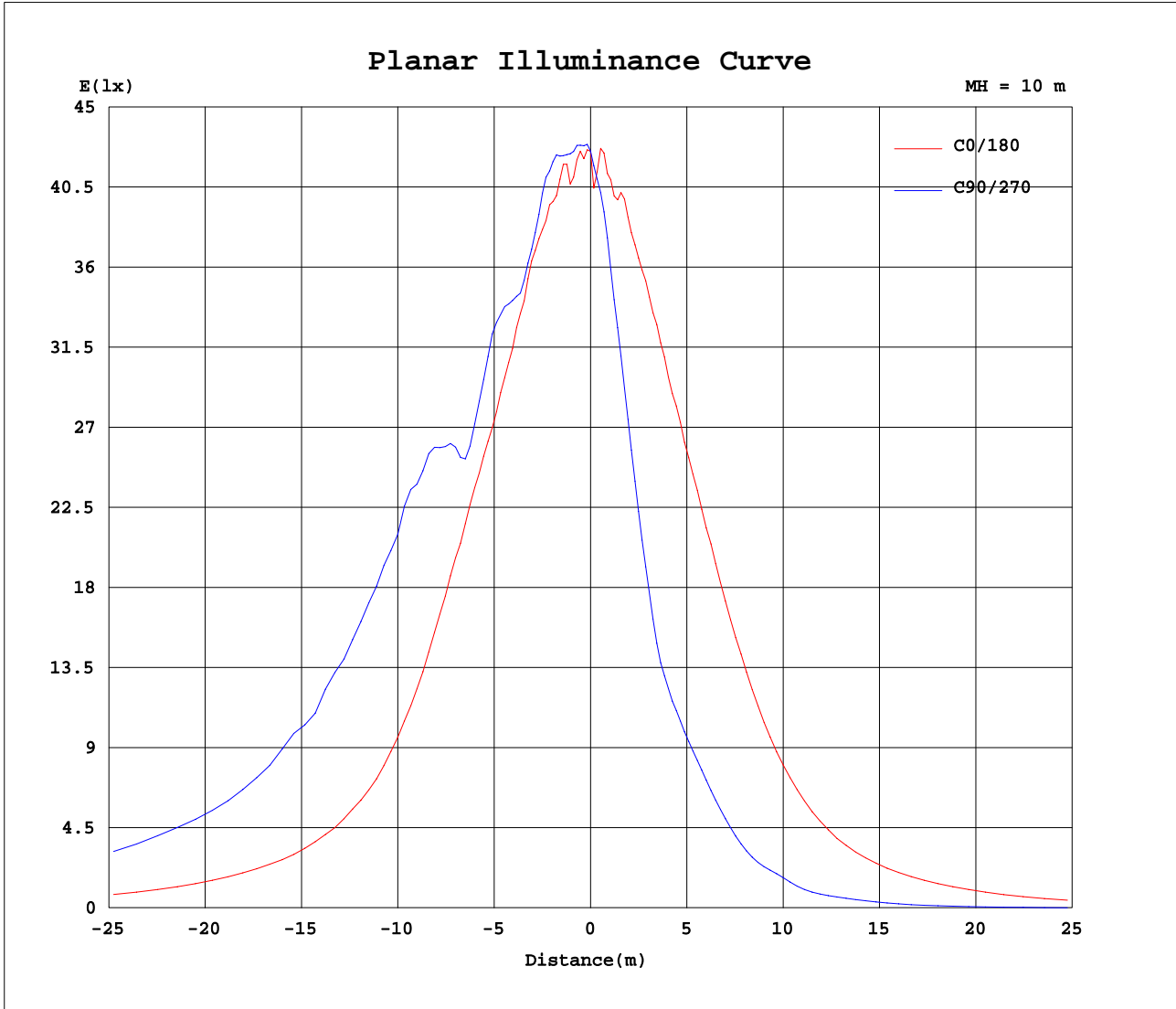
AvgL	cd/m2
L_0~180(65)av	57390
L_0~180(75)av	47921
L_0~180(85)av	44450
L_90~270(65)av	135356
L_90~270(75)av	211080
L_90~270(85)av	553861
L_45(65)av	96838
L_45(75)av	147445
L_45(85)av	365127

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 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	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251	4251
5	4153	4215	4275	4383	4377	4372	4300	4213	4393	4389	4294	4246	4174	4104	4043	3970	3809	3666	3809
10	4191	4297	4379	4365	4422	4489	4429	4591	4441	4350	4325	4246	4170	3945	3638	3333	3197	3040	3057
15	4173	4241	4422	4552	4574	4578	4325	4553	4451	4475	4346	4158	3977	3631	3164	2803	2462	2340	2293
20	4025	4229	4459	4377	4372	4410	4163	4355	4422	4341	4227	4100	3827	3279	2673	2186	1883	1709	1661
25	3888	4111	4189	4292	4501	4540	4479	4470	4315	4235	4104	3980	3665	2895	2200	1689	1499	1444	1410
30	3762	4009	4035	4374	4622	4368	4381	4490	4293	4136	4109	3809	3449	2535	1766	1418	1274	1230	1192
35	3580	3905	4073	4159	4297	4573	4709	4469	4226	3975	3946	3673	3136	2123	1434	1163	1037	953	911
40	3201	3783	3822	3979	4816	5575	5679	5333	4345	3910	3700	3537	2728	1691	1114	898	756	664	633
45	2711	3451	3665	4342	5456	5983	5936	5889	4831	3933	3510	3223	2271	1296	810	660	548	491	479
50	2280	2990	3638	4599	5680	6084	6058	5950	5302	4086	3380	2672	1836	966	621	486	376	313	292
55	1969	2700	3645	4651	5652	6025	5799	5937	5372	4282	3213	2238	1487	674	498	333	262	219	212
60	1758	2522	3446	4551	5666	5944	5852	5760	5314	4052	2891	2075	1238	481	380	228	156	131	115
65	1569	2343	3167	4538	5557	6045	5982	5815	5123	3750	2634	1923	989	388	272	157	88.7	60.1	50.4
70	1324	2071	2832	4509	5504	6089	5984	5879	5099	3649	2310	1631	688	329	188	87.1	27.5	7.22	4.84
75	903	1777	2570	4381	5394	5847	5755	5680	5002	3573	1993	1327	405	271	128	40.7	12.4	7.13	5.74
80	492	1468	2321	4180	5096	5487	5380	5241	4667	3371	1739	1014	242	212	92.3	32.5	12.5	7.92	6.44
85	249	1150	2032	3669	4630	5194	5084	4823	4134	2989	1514	687	160	167	72.9	26.0	12.6	8.02	6.64
90	157	827	1735	3179	4021	4765	4686	4298	3664	2593	1246	444	135	140	56.9	20.2	12.3	7.83	6.78
95	137	509	1342	2650	3467	4115	4070	3613	3122	2194	869	265	130	118	42.9	15.9	11.5	8.35	7.64
100	113	211	436	1104	2002	2601	2697	2335	1896	1035	292	136	92.0	71.3	22.0	13.7	13.0	13.3	13.6
105	70.9	161	659	488	742	971	1019	991	584	396	394	127	63.6	51.4	28.6	13.4	12.5	14.1	14.8
110	138	128	469	714	965	1202	1133	1063	769	534	287	119	115	48.0	25.0	15.2	15.6	14.6	15.5
115	109	87.3	328	648	1230	1720	1686	1513	895	504	225	92.1	87.3	34.8	21.5	15.4	16.1	14.2	15.6
120	73.1	58.9	272	563	923	1186	1192	1061	819	435	178	72.2	60.9	26.0	17.5	15.2	15.6	14.7	15.3
125	48.6	46.0	241	438	705	908	924	822	616	387	158	55.8	41.1	18.1	13.8	14.1	14.1	14.1	14.6
130	25.0	20.1	217	339	515	660	667	609	440	279	156	33.4	20.7	9.87	13.9	12.2	11.2	12.9	13.9
135	8.14	33.7	190	253	334	432	439	396	294	237	115	14.8	16.4	16.6	12.7	10.5	10.4	8.50	9.56
140	7.99	25.8	127	221	221	259	264	247	206	207	73.5	19.6	12.9	13.0	8.55	8.14	9.51	9.68	10.9
145	7.28	14.6	61.1	167	174	175	171	168	164	141	34.8	12.8	9.07	9.01	7.38	8.89	9.17	9.37	8.47
150	4.83	6.95	17.0	108	135	140	135	133	122	78.3	15.6	6.85	6.56	6.65	7.52	9.03	10.0	8.82	5.61
155	8.60	9.01	11.8	43.0	81.5	98.3	102	94.3	68.0	31.8	9.43	6.31	6.89	7.61	7.00	9.63	9.12	9.52	6.61
160	9.08	9.43	9.14	12.3	32.8	48.5	53.3	46.4	30.8	11.4	7.43	7.56	8.14	8.56	7.74	9.08	9.51	9.51	7.62
165	9.51	9.93	9.70	9.54	10.5	11.8	12.2	11.7	10.5	10.0	9.73	10.00	10.3	10.4	10.1	8.58	7.97	8.32	6.68
170	9.76	10.2	10.2	9.95	9.37	8.57	8.74	9.75	10.1	10.6	11.1	11.4	11.0	10.9	10.2	10.1	9.45	7.70	5.16
175	6.56	6.96	7.13	7.00	6.80	6.86	6.85	8.94	10.4	11.0	11.2	11.1	10.7	10.6	10.2	9.80	9.06	7.61	5.22
180	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.84	5.84	5.84	5.84	5.84	5.84	5.84

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:16953.7x1 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	4251	4251	4251	4251	4251														
5	3798	3892	3985	4009	4075														
10	3140	3214	3518	3794	4011														
15	2345	2599	2939	3364	3849														
20	1721	1953	2354	2926	3563														
25	1480	1543	1831	2440	3232														
30	1247	1327	1515	2009	2911														
35	988	1084	1253	1634	2534														
40	695	816	973	1287	2072														
45	501	583	733	941	1645														
50	325	408	535	697	1288														
55	223	282	387	545	976														
60	134	179	276	431	705														
65	63.7	95.0	186	337	513														
70	6.19	31.7	112	255	399														
75	5.93	9.78	53.6	188	320														
80	6.64	7.93	38.8	137	256														
85	6.70	7.45	27.4	99.7	199														
90	6.46	6.06	17.2	75.0	163														
95	7.32	6.45	13.1	56.4	137														
100	12.5	9.46	11.7	19.9	85.8														
105	14.2	11.4	10.2	29.3	47.0														
110	14.9	12.5	12.0	24.1	41.7														
115	15.3	13.3	12.2	18.9	28.8														
120	15.1	13.3	11.4	14.3	18.6														
125	14.4	12.8	9.12	11.1	14.3														
130	13.5	9.75	8.63	8.77	8.40														
135	8.68	9.86	8.04	8.67	13.8														
140	10.1	8.75	6.63	8.55	10.8														
145	9.98	8.83	8.62	6.52	8.03														
150	7.98	9.28	9.25	8.72	5.63														
155	7.30	8.99	8.89	9.12	8.21														
160	7.34	6.96	8.94	8.87	9.51														
165	5.56	5.32	6.10	7.73	10.1														
170	3.90	4.10	4.04	5.05	6.68														
175	4.21	4.11	4.04	4.51	5.45														
180	5.84	5.84	5.84	5.84	5.84														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 07 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.6%
 Test Distance: 2.500m [K=1.0462]
 Remarks: