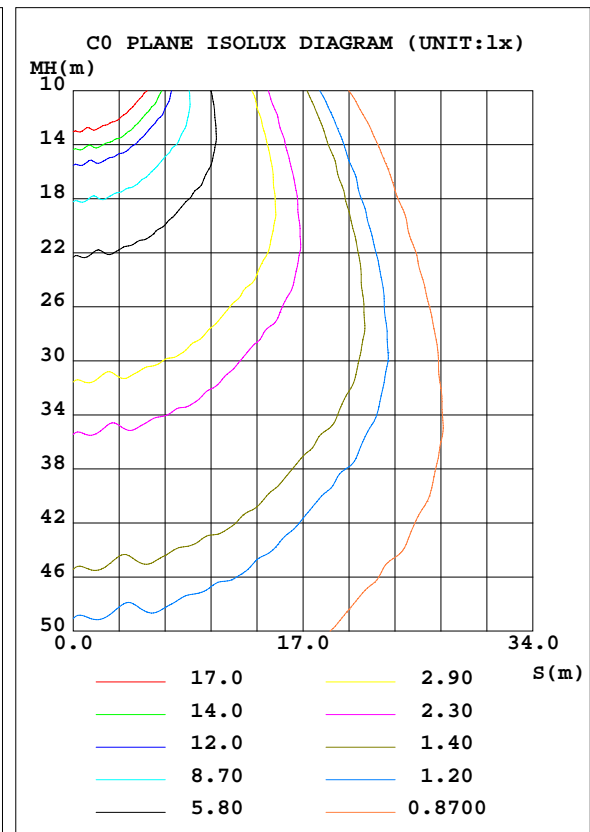
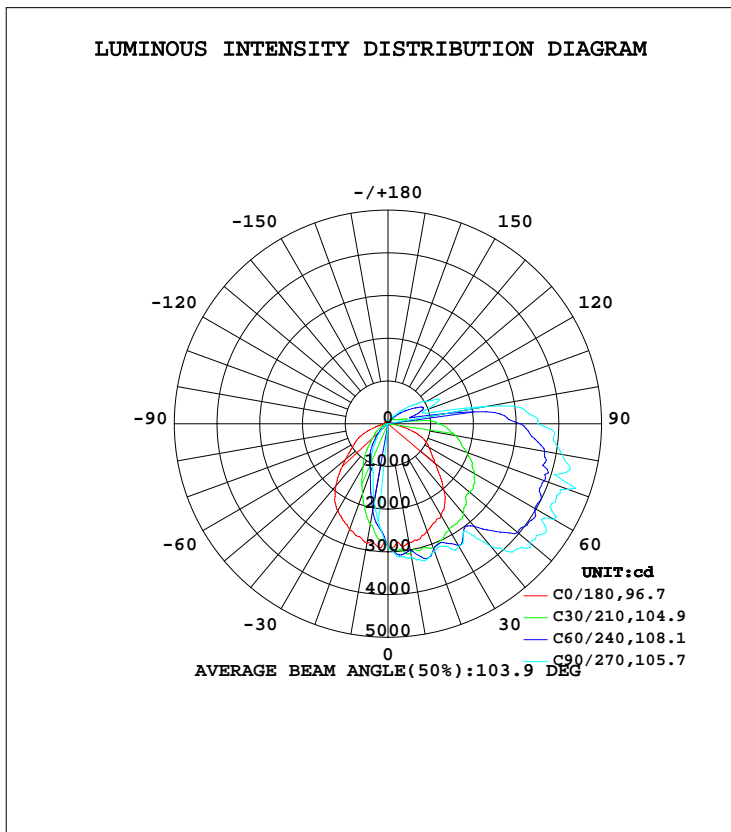


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-WLP01-80DAC-EM_4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.21 lm/W			
MODEL	ASD-WLP01-80DAC-EM	I _{max} (cd)	4643	S/MH(C0/180)	1.22
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	12174	η UP, DN(C0-180)	14.7,72.5
NOMINAL FLUX(lm)	12174	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.4,12.4
LAMPS INSIDE	1	η up(%)	15.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	84.9	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 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	2819	3102	3165	3037	2848	2183	1852	2166	0- 10	259.9	259.9	2.14,2.14
20	2673	3166	3178	3102	2630	1396	1068	1382	10- 20	700.2	960.1	7.89,7.89
30	2479	2956	3311	3020	2341	961.0	735.0	956.4	20- 30	1006	1966	16.2,16.2
40	2043	2788	3750	2800	1901	591.2	385.2	579.3	30- 40	1217	3183	26.1,26.1
50	1435	3118	4340	2876	1296	315.4	173.9	308.8	40- 50	1396	4579	37.6,37.6
60	1116	3089	4480	3109	890.4	144.7	49.38	144.4	50- 60	1516	6095	50.1,50.1
70	768.2	3074	4482	2779	513.9	46.24	3.874	46.11	60- 70	1519	7613	62.5,62.5
80	266.0	2947	4150	2600	175.4	19.32	4.959	19.30	70- 80	1458	9071	74.5,74.5
90	108.3	2292	3507	2096	96.40	12.62	5.000	8.474	80- 90	1267	10338	84.9,84.9
100	77.75	839.9	2364	984.1	67.46	9.892	9.806	7.997	90-100	920.4	11258	92.5,92.5
110	100.5	529.4	921.3	418.7	85.87	12.83	11.50	8.580	100-110	318.9	11577	95.1,95.1
120	50.35	422.0	1051	390.9	46.29	12.18	10.27	7.895	110-120	284.5	11861	97.4,97.4
130	14.48	265.7	604.3	259.6	16.26	9.338	8.745	5.865	120-130	180.3	12042	98.9,98.9
140	7.553	163.8	265.6	164.0	11.91	7.464	6.555	5.435	130-140	84.57	12126	99.6,99.6
150	5.315	94.03	107.8	92.04	5.235	5.361	4.933	6.156	140-150	33.17	12159	99.9,99.9
160	6.019	9.289	58.49	10.66	4.521	4.990	6.738	4.472	150-160	11.73	12171	100,100
170	4.639	4.912	6.241	5.476	5.413	5.674	5.818	2.619	160-170	2.368	12173	100,100
180	7.916	7.916	7.916	7.916	6.636	6.636	6.636	6.636	170-180	0.4988	12174	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3857.7 lm

%lum = 31.7%

%lamp = 31.7%

Conical surface Flux(120deg): 6094.6 lm

%lum = 50.1%

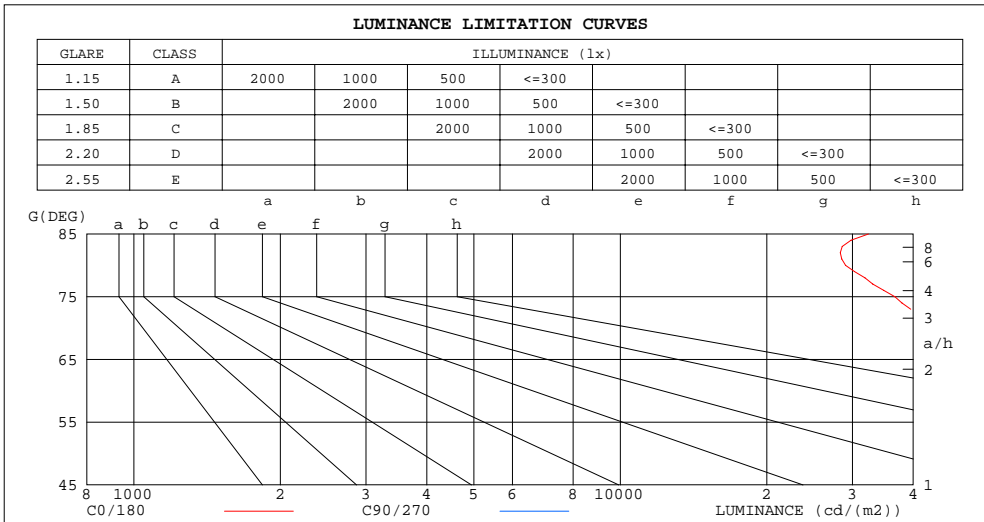
%lamp = 50.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 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	32361	845357
80	29049	453254
75	36663	318744
70	42598	248517
65	43929	194131
60	42343	169940
55	41385	147906
50	42346	128056
45	46259	112398

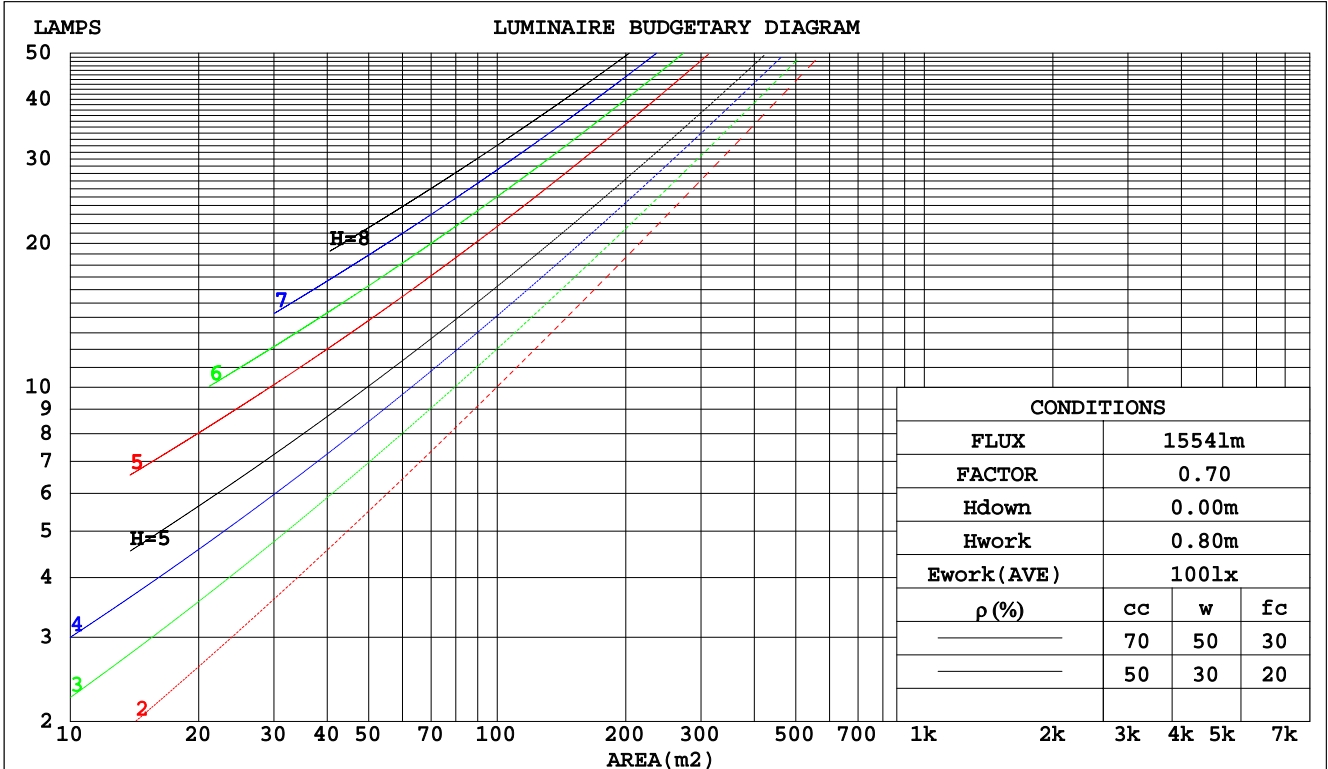
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 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
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.15	1.15	1.15	1.11	1.11	1.11	1.03	1.03	1.03	.95	.95	.95	.88	.88	.88	.85
1.0	.94	.88	.83	.90	.85	.80	.83	.79	.75	.76	.73	.69	.70	.67	.65	.61
2.0	.80	.71	.64	.76	.69	.62	.70	.64	.58	.64	.59	.55	.59	.55	.51	.48
3.0	.69	.59	.51	.66	.57	.50	.61	.53	.47	.56	.49	.44	.51	.46	.42	.39
4.0	.60	.50	.42	.58	.48	.41	.53	.45	.39	.49	.42	.37	.45	.39	.35	.32
5.0	.53	.43	.36	.51	.42	.35	.47	.39	.33	.44	.37	.31	.40	.34	.30	.27
6.0	.48	.38	.31	.46	.37	.30	.42	.35	.29	.39	.32	.27	.36	.30	.26	.23
7.0	.43	.34	.27	.41	.33	.26	.38	.31	.25	.36	.29	.24	.33	.27	.23	.20
8.0	.39	.30	.24	.38	.29	.23	.35	.28	.22	.33	.26	.21	.30	.25	.20	.18
9.0	.36	.27	.21	.35	.26	.21	.32	.25	.20	.30	.24	.19	.28	.22	.18	.16
10.0	.33	.25	.19	.32	.24	.19	.30	.23	.18	.28	.22	.17	.26	.20	.16	.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 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	.430	.244	.077	.418	.238	.076	.395	.227	.072	.375	.216	.069	.356	.206	.066	
2.0	.361	.198	.061	.350	.193	.059	.330	.184	.057	.311	.175	.055	.294	.166	.052	
3.0	.315	.168	.050	.306	.164	.049	.287	.156	.047	.271	.148	.045	.255	.141	.044	
4.0	.281	.146	.043	.272	.142	.042	.255	.135	.040	.240	.129	.039	.226	.123	.037	
5.0	.253	.129	.037	.245	.126	.037	.230	.120	.035	.216	.114	.034	.203	.109	.033	
6.0	.230	.115	.033	.223	.113	.032	.210	.107	.031	.197	.102	.030	.185	.097	.029	
7.0	.211	.104	.030	.205	.102	.029	.192	.097	.028	.181	.093	.027	.170	.088	.026	
8.0	.195	.095	.027	.189	.093	.026	.178	.089	.025	.167	.085	.024	.157	.081	.024	
9.0	.181	.088	.024	.176	.086	.024	.165	.082	.023	.156	.078	.022	.146	.074	.021	
10.0	.169	.081	.023	.164	.079	.022	.155	.076	.021	.146	.072	.021	.137	.069	.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	.305	.305	.305	.261	.261	.261	.178	.178	.178	.102	.102	.102	.033	.033	.033	
1.0	.304	.271	.241	.261	.233	.207	.178	.160	.143	.103	.093	.083	.033	.030	.027	
2.0	.298	.248	.206	.255	.214	.178	.175	.148	.124	.101	.086	.073	.032	.028	.024	
3.0	.291	.232	.185	.249	.200	.161	.171	.139	.113	.099	.081	.066	.032	.026	.022	
4.0	.282	.219	.171	.242	.190	.149	.167	.132	.105	.096	.077	.062	.031	.025	.020	
5.0	.274	.210	.162	.236	.181	.141	.162	.127	.100	.094	.074	.059	.030	.024	.019	
6.0	.266	.202	.155	.229	.175	.135	.158	.122	.096	.092	.072	.057	.030	.024	.019	
7.0	.259	.195	.150	.223	.169	.131	.154	.119	.093	.089	.070	.055	.029	.023	.018	
8.0	.252	.189	.147	.217	.164	.128	.150	.115	.091	.087	.068	.054	.028	.022	.018	
9.0	.245	.185	.144	.211	.160	.125	.146	.113	.089	.085	.067	.053	.028	.022	.018	
10.0	.239	.180	.141	.206	.157	.123	.143	.110	.088	.083	.065	.052	.027	.021	.017	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 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	25.8	27.3	26.3	27.8	28.5	31.6	33.1	32.2	33.7	34.3
3H	28.0	29.4	28.6	30.0	30.7	35.1	36.5	35.7	37.1	37.8
4H	28.8	30.1	29.4	30.8	31.5	36.9	38.2	37.5	38.8	39.6
6H	29.4	30.6	30.0	31.3	32.0	39.0	40.3	39.7	40.9	41.6
8H	29.6	30.8	30.2	31.4	32.1	40.1	41.3	40.7	41.9	42.7
12H	29.7	30.9	30.4	31.5	32.3	41.3	42.4	41.9	43.1	43.8
4H 2H	28.4	29.7	29.0	30.3	31.1	32.0	33.4	32.6	34.0	34.7
3H	30.7	31.9	31.3	32.5	33.2	36.0	37.1	36.6	37.8	38.5
4H	31.7	32.7	32.3	33.4	34.2	38.1	39.1	38.7	39.8	40.6
6H	32.5	33.5	33.2	34.1	34.9	40.5	41.4	41.1	42.1	42.9
8H	32.8	33.7	33.5	34.4	35.2	41.7	42.6	42.3	43.3	44.0
12H	33.1	33.9	33.7	34.6	35.4	43.0	43.9	43.7	44.6	45.3
8H 4H	34.1	35.0	34.8	35.7	36.5	38.5	39.4	39.1	40.1	40.8
6H	35.3	36.1	36.0	36.8	37.6	41.2	42.0	41.9	42.7	43.5
8H	35.8	36.5	36.4	37.2	38.0	42.7	43.4	43.4	44.1	44.9
12H	36.2	36.8	36.9	37.5	38.4	44.3	44.9	45.0	45.7	46.5
12H 4H	35.0	35.8	35.7	36.5	37.3	38.5	39.3	39.2	40.0	40.8
6H	36.5	37.2	37.2	37.9	38.7	41.3	42.0	42.0	42.7	43.6
8H	37.1	37.8	37.8	38.5	39.3	42.9	43.5	43.6	44.3	45.1
CIE190: 2010										

CIE190: 2010
Area: 0.052725 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Alan Wang
Test Date: 07 June 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 49.3%
Test Distance: 2.500m [K=1.0462]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

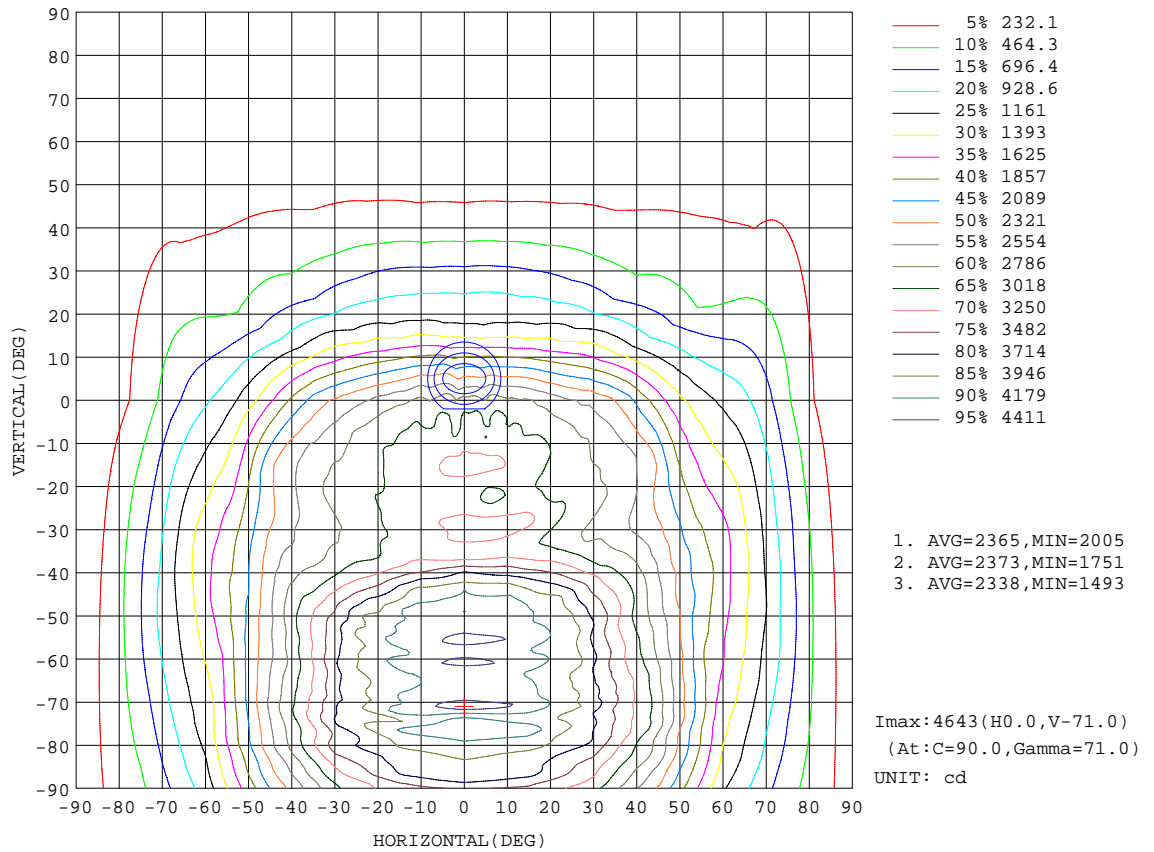
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	26	46	33	26	44	33	26	19
0.80	55	42	34	54	41	33	51	40	33	25
1.00	63	49	40	61	48	40	58	49	39	30
1.25	70	56	47	67	55	47	64	53	45	36
1.50	75	62	53	72	60	52	68	58	50	40
2.00	82	70	61	79	68	60	74	65	58	46
2.50	87	76	67	84	74	66	78	69	63	50
3.00	91	80	72	87	78	71	81	73	67	54
4.00	96	87	80	92	84	77	85	79	73	59
5.00	99	91	85	95	88	82	88	82	77	63
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: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

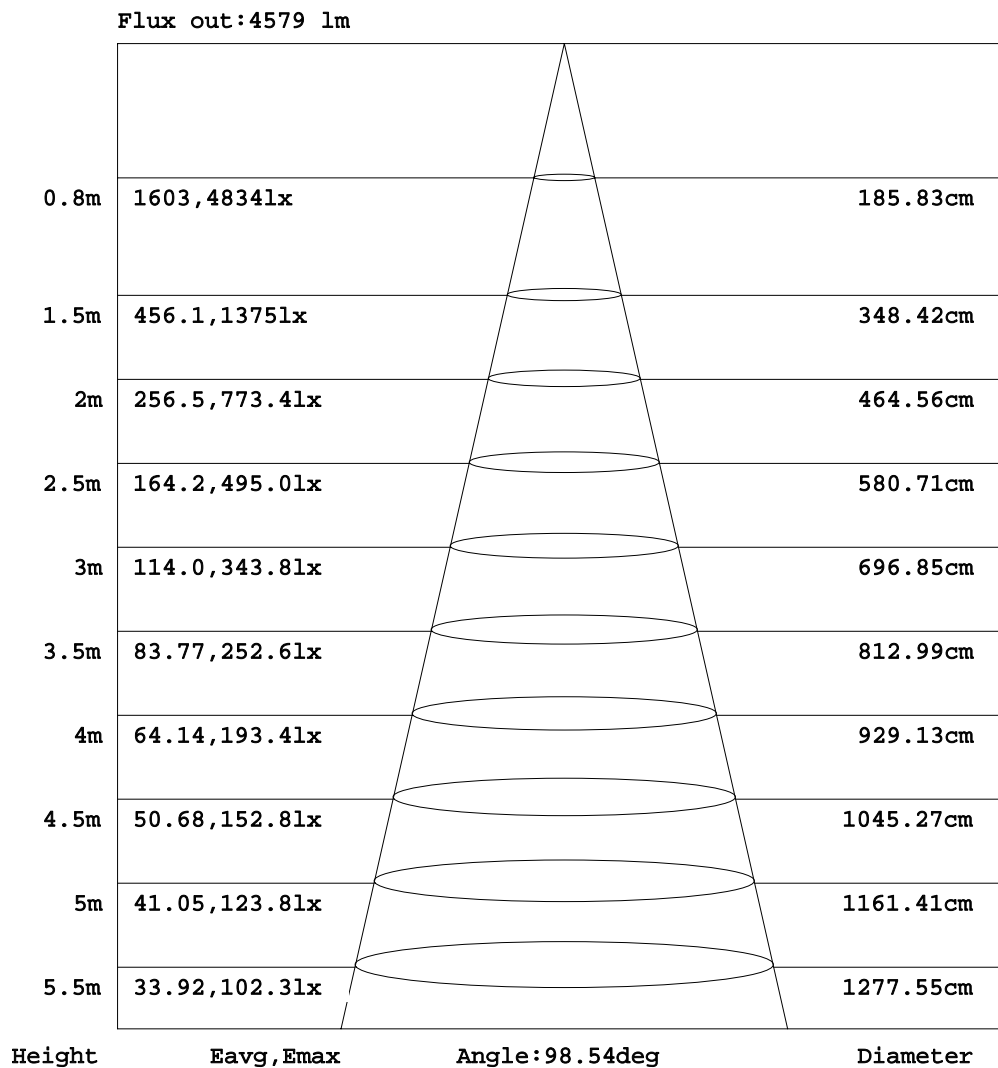


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

AAI Figure

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



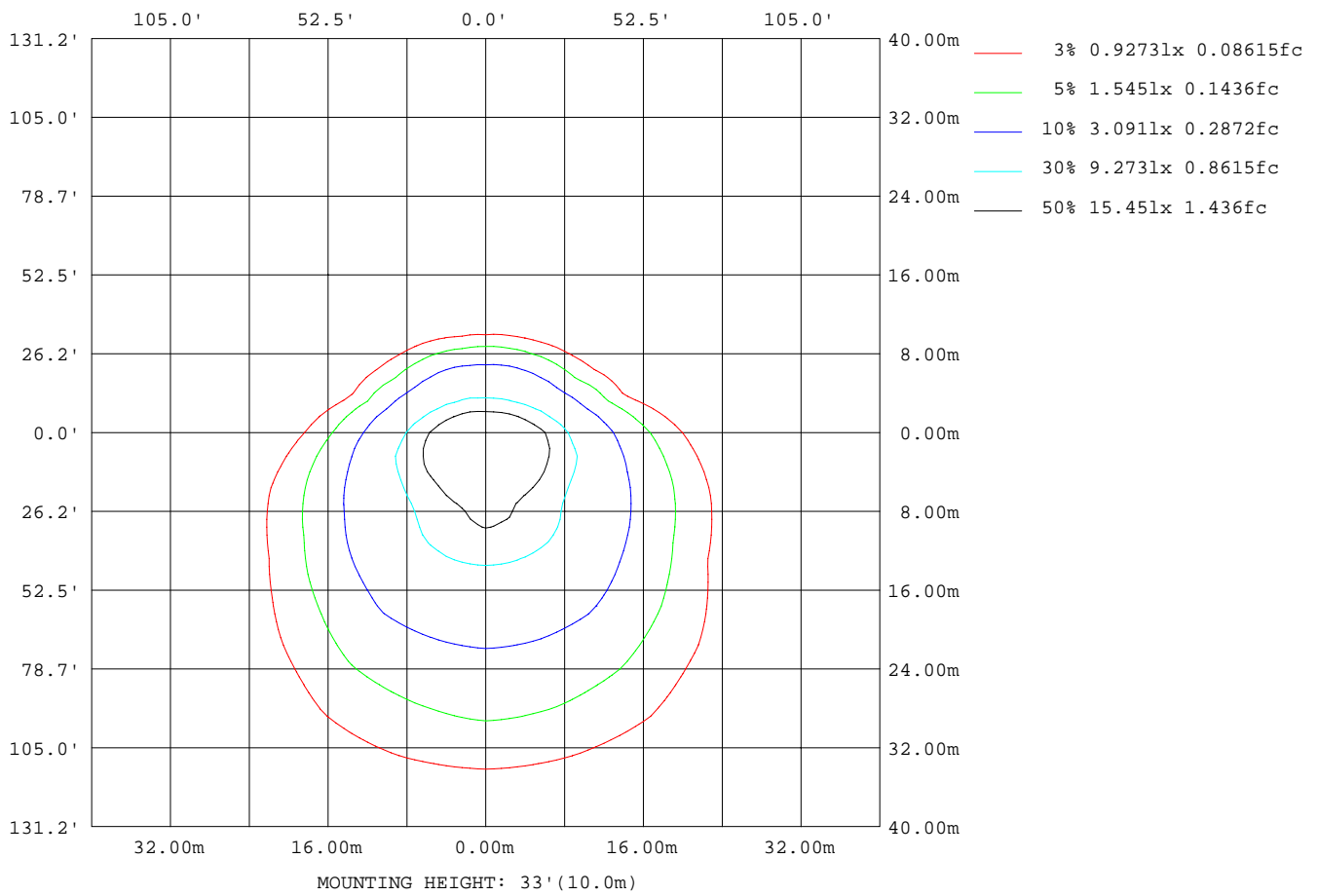
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators:Alan Wang
 Test Date:07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance:2.500m [K=1.0462]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 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: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

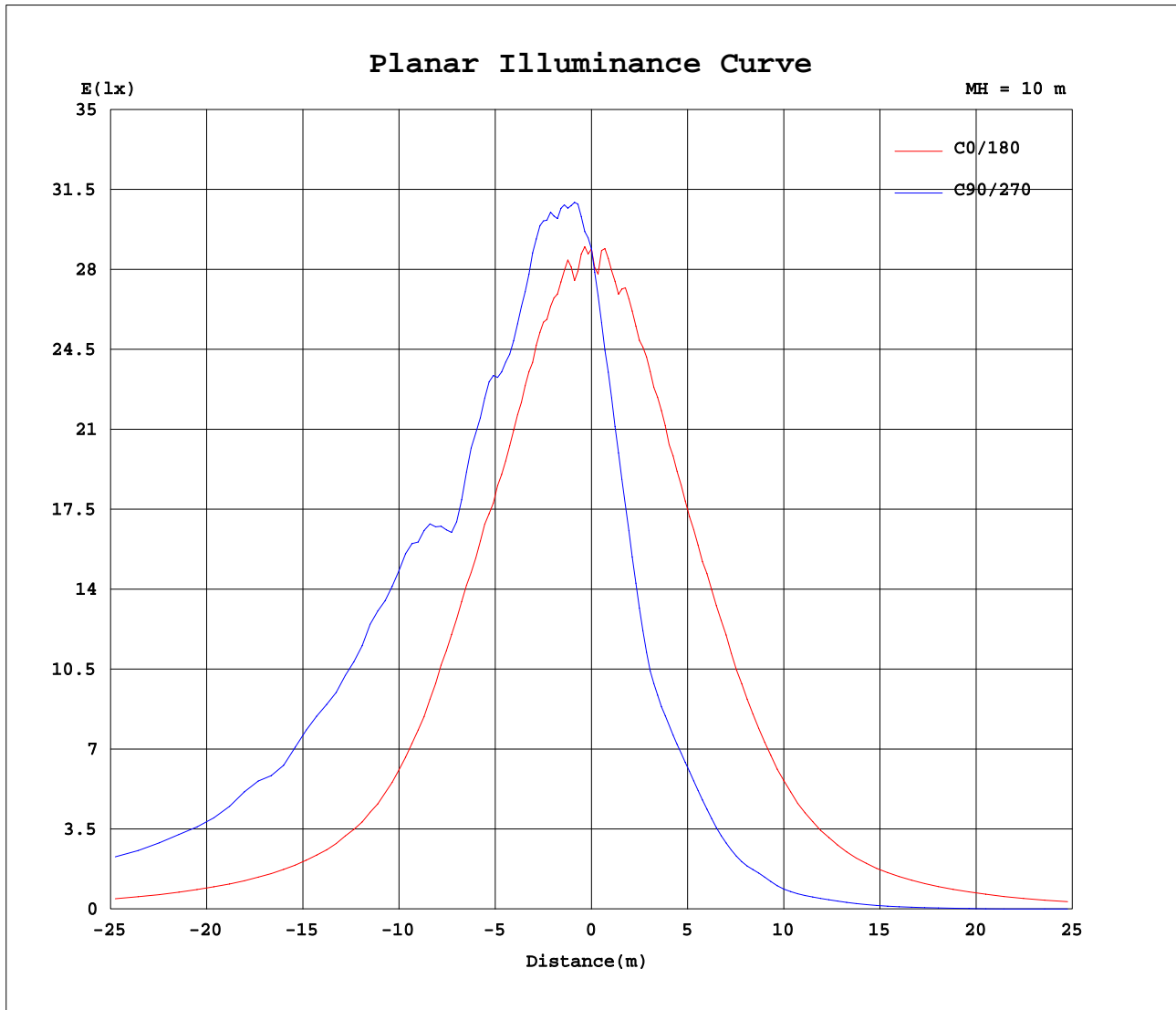
AvgL	cd/m2
L_0~180(65)av	38233
L_0~180(75)av	29437
L_0~180(85)av	28616
L_90~270(65)av	97221
L_90~270(75)av	159538
L_90~270(85)av	423226
L_45(65)av	69210
L_45(75)av	107284
L_45(85)av	276407

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 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	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890	2890
5	2783	2860	2968	3048	3084	3063	3129	2950	2942	3030	2992	2934	2881	2795	2703	2591	2439	2316	2377
10	2819	2999	3054	3102	3008	3090	3165	3045	3135	3037	2974	2943	2848	2631	2379	2183	2062	1853	1852
15	2802	2960	3035	3155	3266	3342	3320	3299	3149	3140	3044	2931	2730	2387	2080	1808	1580	1399	1352
20	2673	2892	3089	3166	3129	3063	3178	3175	3166	3102	3012	2870	2630	2164	1751	1396	1218	1100	1068
25	2556	2846	2999	3012	3068	3030	3159	3119	3106	3045	2955	2809	2494	1941	1454	1128	1011	946	917
30	2479	2782	2865	2956	3291	3336	3311	3213	3077	3020	2885	2709	2341	1695	1172	961	849	762	735
35	2311	2703	2837	2993	3083	3125	3085	3172	3041	2878	2871	2606	2182	1437	965	775	670	556	526
40	2043	2593	2751	2788	3129	3561	3750	3401	3033	2800	2722	2533	1901	1150	742	591	476	396	385
45	1725	2456	2591	2871	3568	4101	4190	4054	3274	2823	2566	2378	1590	893	550	433	348	268	247
50	1435	2055	2494	3118	3965	4279	4340	4343	3699	2876	2456	2054	1296	667	430	315	236	183	174
55	1252	1813	2463	3243	4022	4375	4473	4286	3907	3051	2388	1691	1062	472	346	214	157	115	105
60	1116	1686	2356	3089	3970	4248	4480	4179	3879	3109	2181	1536	890	344	256	145	89.7	60.8	49.4
65	979	1622	2182	3080	3947	4191	4326	4127	3914	2899	2005	1436	725	282	180	95.4	44.1	13.4	6.91
70	768	1429	1959	3074	3902	4279	4482	4217	3782	2779	1791	1269	514	239	124	46.2	7.10	5.84	3.87
75	500	1222	1772	3052	3751	4121	4350	3940	3756	2753	1544	1057	303	192	83.5	24.3	7.67	6.95	4.53
80	266	1000	1609	2947	3725	4074	4150	3983	3566	2600	1350	861	175	151	61.4	19.3	8.55	7.79	4.96
85	149	764	1409	2676	3373	3805	3885	3769	3311	2375	1218	613	114	119	46.8	15.9	9.07	8.12	5.03
90	108	544	1188	2292	3099	3445	3507	3413	2978	2096	1026	418	96.4	102	36.9	12.6	8.86	7.97	5.00
95	90.8	314	869	1952	2639	3137	3259	3081	2506	1798	827	274	90.6	89.0	28.8	10.6	8.32	8.72	6.64
100	77.7	145	314	840	1421	2214	2364	2170	1561	984	228	106	67.5	52.3	13.9	9.89	10.1	11.5	9.81
105	61.4	111	446	359	537	881	963	909	616	291	317	104	45.8	39.7	20.0	11.1	10.6	11.2	10.9
110	101	88.3	316	529	793	938	921	892	686	419	265	97.2	85.9	38.3	18.1	12.8	13.1	11.9	11.5
115	77.3	66.6	231	500	906	1295	1325	1218	835	444	208	76.4	64.3	27.9	16.2	12.8	13.3	10.5	11.0
120	50.4	48.8	193	422	744	1003	1051	955	743	391	170	61.5	46.3	21.1	13.6	12.2	12.6	10.2	10.3
125	33.7	40.8	184	344	564	766	806	742	571	349	161	51.1	33.9	17.2	12.8	10.9	11.3	9.56	9.65
130	14.5	18.8	156	266	416	571	604	554	420	260	144	37.9	16.3	7.99	11.2	9.34	8.36	8.60	8.74
135	9.21	21.9	155	200	276	390	412	373	281	192	139	15.7	15.2	13.6	8.73	8.74	6.43	5.69	5.42
140	7.55	19.5	107	164	182	251	266	237	187	164	102	17.2	11.9	10.8	6.34	7.46	6.40	6.41	6.55
145	4.87	10.7	60.5	139	134	156	158	149	135	128	54.3	12.0	8.36	7.35	6.12	5.93	5.87	6.08	6.00
150	5.32	5.55	14.2	94.0	107	112	108	109	104	92.0	25.5	6.09	5.24	4.15	5.34	5.36	5.89	5.60	4.93
155	5.74	5.99	9.76	44.7	72.9	88.2	87.0	83.4	75.0	44.7	7.65	4.35	4.12	4.50	4.72	5.23	5.40	5.92	5.96
160	6.02	6.15	6.06	9.29	34.5	55.3	58.5	53.1	37.3	10.7	5.42	4.84	4.52	4.70	4.38	4.99	5.31	5.84	6.74
165	6.00	6.17	6.00	5.85	6.48	11.1	15.3	14.4	8.56	5.79	5.26	5.02	4.90	5.01	5.13	4.65	4.62	5.36	6.43
170	4.64	5.15	5.24	4.91	4.75	5.16	6.24	6.32	6.02	5.48	5.31	5.33	5.41	5.43	5.49	5.67	5.46	5.75	5.82
175	3.92	3.99	4.06	4.16	4.56	5.70	6.58	6.82	6.97	6.99	6.81	6.59	6.80	6.77	6.73	6.48	5.91	5.86	5.72
180	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92	7.92

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.6432A P:76.950W PF:0.9969 Freq:60.00Hz Lamp Flux:12174x1 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	2890	2890	2890	2890	2890														
5	2382	2433	2478	2584	2717														
10	1903	1989	2166	2357	2610														
15	1375	1531	1773	2086	2448														
20	1091	1180	1382	1761	2198														
25	957	1000	1125	1449	1977														
30	772	838	956	1184	1761														
35	566	649	761	971	1478														
40	400	463	579	739	1195														
45	276	333	423	539	930														
50	182	227	309	424	724														
55	115	149	211	342	525														
60	60.1	82.6	144	264	383														
65	12.7	36.6	93.8	198	308														
70	4.01	6.10	46.1	144	260														
75	4.67	5.56	26.7	102	207														
80	5.12	5.48	19.3	70.8	164														
85	5.07	5.34	13.9	53.3	133														
90	4.73	4.27	8.47	39.2	111														
95	6.53	5.55	7.97	29.9	89.9														
100	10.1	7.78	8.00	8.71	41.0														
105	11.2	8.83	7.51	18.4	42.2														
110	11.4	9.21	8.58	14.9	32.6														
115	11.2	9.16	8.30	11.9	22.4														
120	10.4	9.00	7.89	8.99	15.2														
125	9.74	8.40	5.62	7.20	12.0														
130	8.60	5.45	5.87	5.97	7.90														
135	6.02	6.28	5.46	6.19	9.42														
140	6.84	6.15	5.44	4.96	6.91														
145	5.92	5.33	6.34	5.82	4.14														
150	4.20	5.46	6.16	6.35	5.28														
155	4.50	5.30	5.73	6.13	5.78														
160	4.34	5.09	4.47	5.15	6.45														
165	4.64	3.10	3.41	3.62	5.45														
170	4.33	2.59	2.62	3.27	3.92														
175	3.84	3.53	3.36	3.43	3.64														
180	6.64	6.64	6.64	6.64	6.64														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 49.3%
 Test Distance: 2.500m [K=1.0462]
 Remarks: