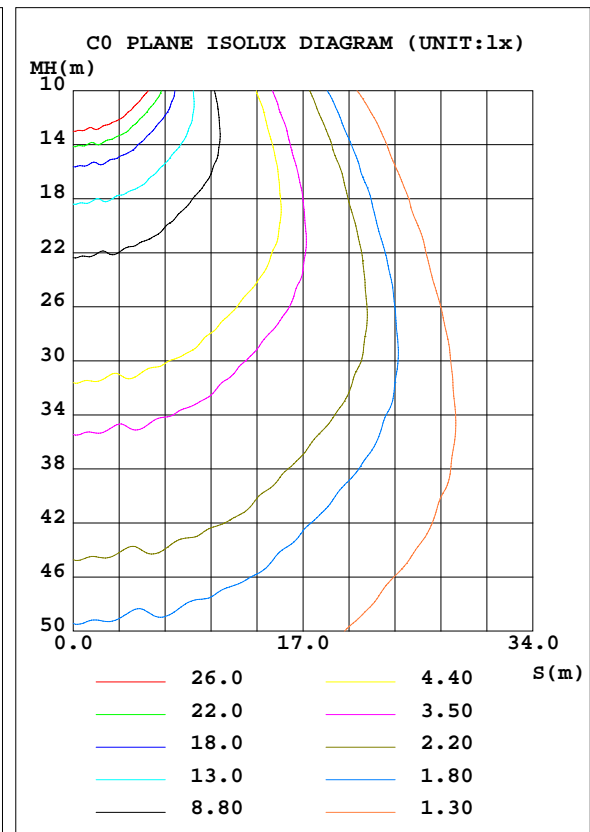
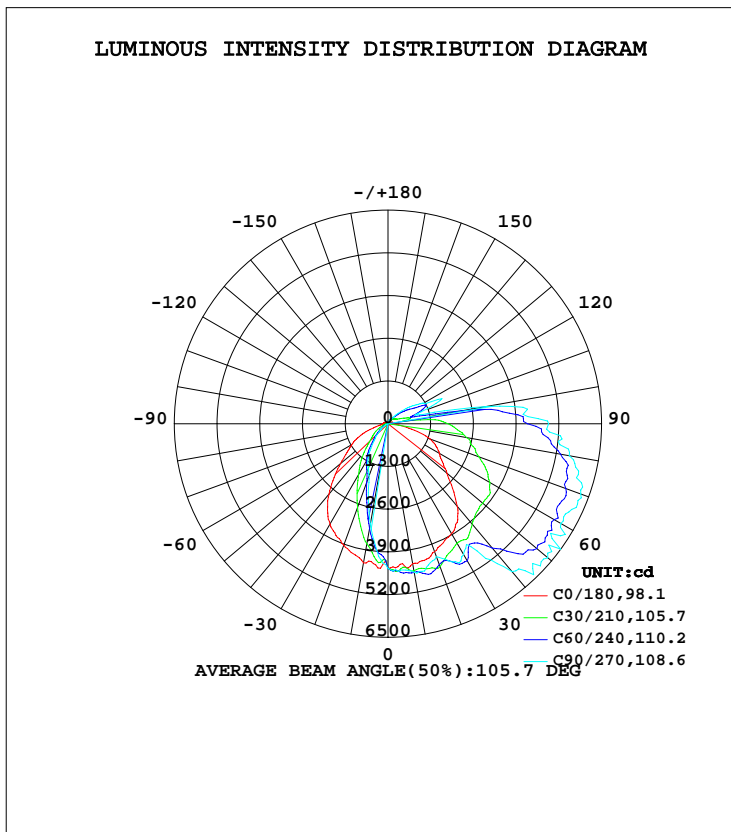


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-WLP01-120DAC_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.18 lm/W			
MODEL	ASD-WLP01-120DAC	I _{max} (cd)	6490	S/MH(C0/180)	1.20
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	17633	η UP, DN(C0-180)	13.3,72.6
NOMINAL FLUX(lm)	17633	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.4,13.7
LAMPS INSIDE	1	η up(%)	13.7	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	86.3	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: 48.9%
 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	4325	4530	4585	4502	4298	3405	3094	3573	0- 10	398.6	398.6	2.26,2.26
20	4145	4588	4301	4509	3929	2209	1689	2382	10- 20	1066	1465	8.31,8.31
30	3862	4533	4598	4305	3531	1451	1213	1550	20- 30	1518	2982	16.9,16.9
40	3281	4125	5877	4050	2793	911.0	636.5	987.4	30- 40	1836	4819	27.3,27.3
50	2342	4754	6348	4221	1883	491.2	294.7	542.1	40- 50	2115	6933	39.3,39.3
60	1807	4727	6073	4231	1272	229.3	112.2	279.0	50- 60	2232	9165	52,52
70	1365	4678	6242	3796	710.2	85.22	5.322	111.0	60- 70	2214	11379	64.5,64.5
80	510.3	4366	5599	3506	251.0	33.15	6.737	39.22	70- 80	2087	13466	76.4,76.4
90	163.4	3358	4887	2732	140.7	20.75	6.999	17.19	80- 90	1754	15220	86.3,86.3
100	118.5	1279	3045	1176	95.74	14.33	14.28	12.24	90-100	1248	16468	93.4,93.4
110	143.6	746.5	1077	554.5	120.7	15.92	16.14	12.76	100-110	412.6	16881	95.7,95.7
120	75.67	598.0	1260	460.7	63.99	15.77	15.89	11.87	110-120	365.5	17246	97.8,97.8
130	25.66	363.3	720.9	299.2	21.90	12.71	14.35	8.961	120-130	223.4	17470	99.1,99.1
140	8.843	231.6	288.1	220.6	13.46	8.373	11.03	6.838	130-140	103.7	17573	99.7,99.7
150	5.142	119.1	143.4	88.83	6.813	9.237	5.766	9.549	140-150	40.94	17614	99.9,99.9
160	9.487	14.73	60.67	13.60	8.425	9.287	8.120	9.142	150-160	14.57	17629	100,100
170	10.25	10.29	9.387	10.98	11.42	10.52	5.464	4.266	160-170	3.309	17632	100,100
180	5.656	5.656	5.656	5.656	6.186	6.186	6.186	6.186	170-180	0.8084	17633	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5850.4 lm

%lum = 33.2%

%lamp = 33.2%

Conical surface Flux(120deg): 9165.1 lm

%lum = 52.0%

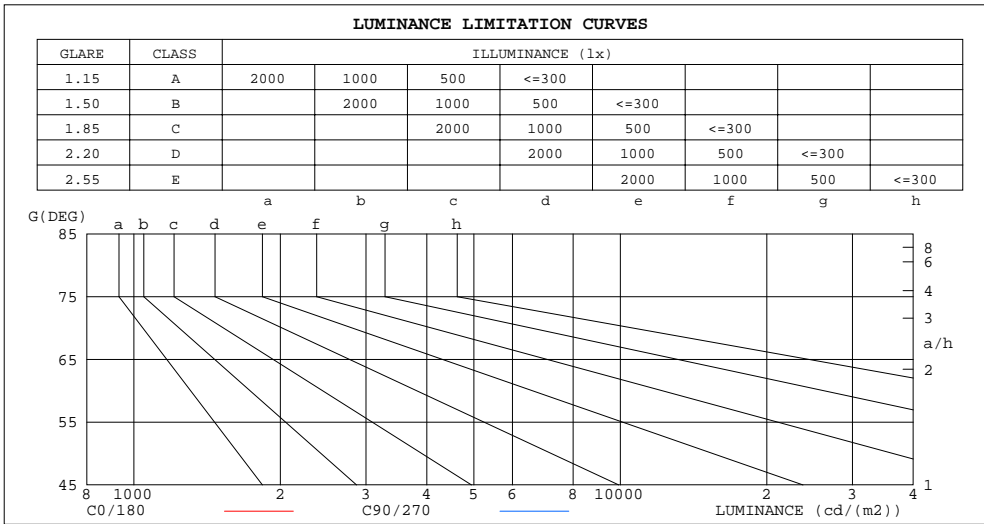
%lamp = 52.0%

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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 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	56212	1156178
80	55736	611559
75	68394	439197
70	75712	346144
65	72448	276970
60	68528	230369
55	66903	201481
50	69108	187300
45	74611	166982

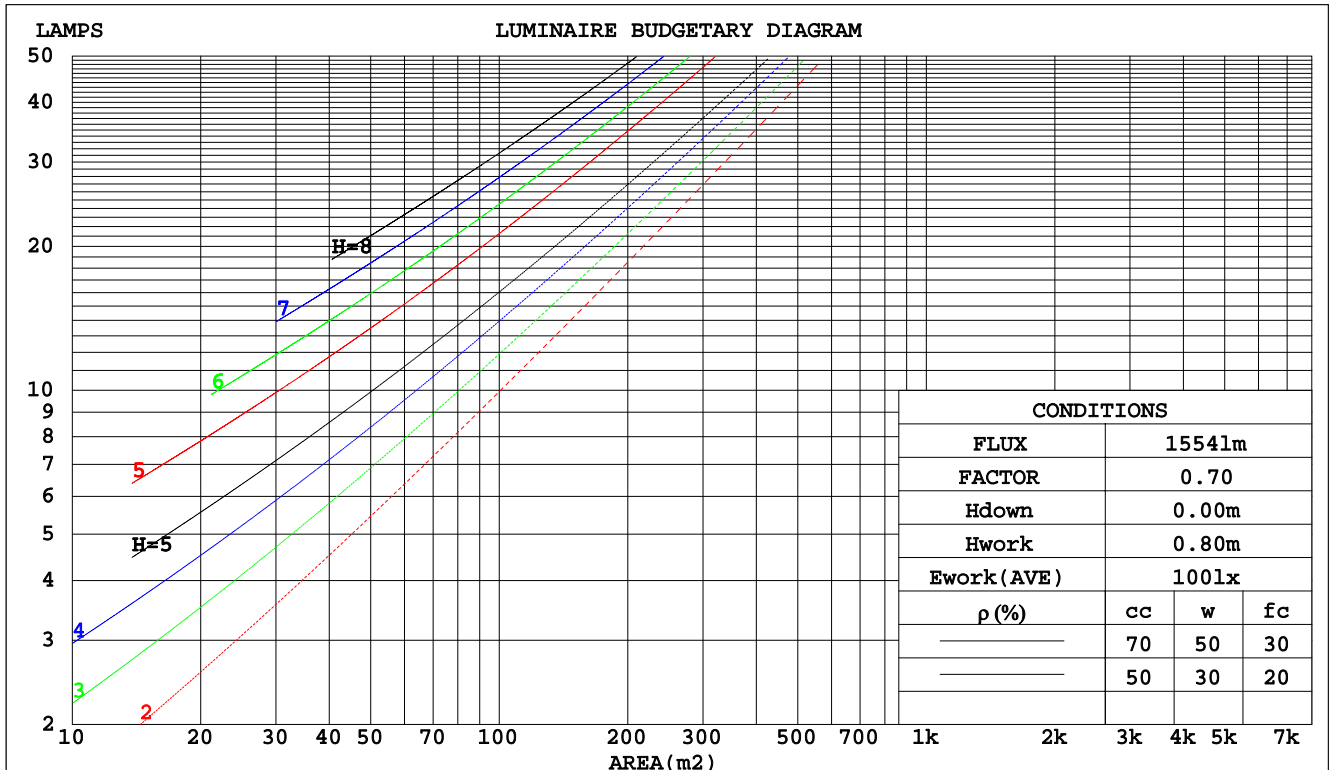
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 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	.89	.89	.89	.86
1.0	.95	.89	.83	.91	.86	.81	.84	.80	.76	.78	.74	.71	.72	.69	.66	.63
2.0	.80	.72	.65	.77	.69	.63	.71	.65	.59	.66	.60	.56	.61	.56	.53	.49
3.0	.69	.60	.52	.67	.58	.51	.61	.54	.48	.57	.51	.45	.52	.47	.43	.40
4.0	.61	.51	.43	.58	.49	.42	.54	.46	.40	.50	.43	.38	.46	.41	.36	.33
5.0	.54	.44	.37	.52	.43	.36	.48	.40	.34	.45	.38	.32	.41	.35	.31	.28
6.0	.48	.38	.32	.46	.37	.31	.43	.35	.29	.40	.33	.28	.37	.31	.27	.24
7.0	.43	.34	.28	.42	.33	.27	.39	.31	.26	.36	.30	.25	.34	.28	.24	.21
8.0	.40	.31	.24	.38	.30	.24	.36	.28	.23	.33	.27	.22	.31	.25	.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: 24.8DEG
 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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 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	.424	.241	.076	.412	.235	.075	.391	.224	.072	.371	.214	.069	.352	.204	.066	
2.0	.358	.196	.060	.348	.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	.240	.129	.039	.227	.123	.038	
5.0	.252	.128	.037	.244	.125	.037	.230	.120	.035	.217	.114	.034	.204	.109	.033	
6.0	.230	.115	.033	.223	.113	.032	.210	.107	.031	.198	.103	.030	.186	.098	.029	
7.0	.211	.104	.030	.205	.102	.029	.193	.097	.028	.182	.093	.027	.171	.089	.026	
8.0	.195	.095	.027	.189	.093	.026	.178	.089	.025	.168	.085	.025	.159	.081	.024	
9.0	.181	.088	.024	.176	.086	.024	.166	.082	.023	.157	.079	.022	.148	.075	.022	
10.0	.169	.081	.023	.164	.079	.022	.155	.076	.021	.147	.073	.021	.138	.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	.295	.295	.295	.252	.252	.252	.172	.172	.172	.099	.099	.099	.032	.032	.032	
1.0	.293	.260	.230	.251	.223	.198	.172	.154	.137	.099	.089	.080	.032	.029	.026	
2.0	.287	.237	.196	.246	.204	.169	.168	.141	.118	.097	.082	.069	.031	.027	.023	
3.0	.279	.221	.175	.239	.191	.151	.164	.132	.106	.095	.077	.063	.031	.025	.020	
4.0	.271	.209	.161	.233	.180	.140	.160	.126	.098	.093	.074	.058	.030	.024	.019	
5.0	.263	.199	.151	.226	.172	.132	.156	.120	.093	.090	.071	.055	.029	.023	.018	
6.0	.255	.191	.144	.219	.165	.126	.151	.116	.089	.088	.068	.053	.028	.022	.017	
7.0	.248	.184	.139	.213	.160	.121	.147	.112	.086	.086	.066	.051	.028	.022	.017	
8.0	.241	.178	.136	.207	.155	.118	.143	.109	.084	.083	.064	.050	.027	.021	.017	
9.0	.234	.174	.133	.202	.151	.116	.140	.106	.082	.081	.063	.049	.026	.021	.016	
10.0	.228	.169	.130	.197	.147	.114	.136	.103	.081	.080	.061	.048	.026	.020	.016	

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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 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	27.6	29.1	28.1	29.6	30.3	32.7	34.2	33.2	34.7	35.4
3H	29.8	31.1	30.3	31.7	32.4	36.4	37.8	36.9	38.3	39.0
4H	30.6	31.9	31.2	32.5	33.2	38.2	39.5	38.8	40.1	40.8
6H	31.2	32.5	31.8	33.1	33.8	40.2	41.4	40.8	42.0	42.7
8H	31.4	32.6	32.1	33.3	34.0	41.2	42.4	41.8	43.0	43.7
12H	31.6	32.7	32.2	33.4	34.1	42.3	43.5	42.9	44.1	44.8
4H 2H	30.2	31.5	30.8	32.1	32.8	33.1	34.4	33.6	35.0	35.6
3H	32.4	33.6	33.0	34.2	34.9	37.2	38.4	37.8	39.0	39.7
4H	33.4	34.5	34.0	35.1	35.8	39.4	40.4	40.0	41.1	41.8
6H	34.2	35.2	34.9	35.9	36.6	41.6	42.5	42.2	43.2	43.9
8H	34.6	35.5	35.2	36.1	36.9	42.7	43.7	43.4	44.3	45.1
12H	34.8	35.7	35.5	36.3	37.1	44.0	44.9	44.7	45.5	46.3
8H 4H	35.8	36.7	36.4	37.3	38.1	39.7	40.6	40.3	41.3	42.0
6H	36.9	37.7	37.6	38.4	39.2	42.3	43.1	42.9	43.8	44.5
8H	37.4	38.1	38.1	38.8	39.6	43.7	44.4	44.3	45.1	45.9
12H	37.9	38.5	38.5	39.2	40.0	45.2	45.9	45.9	46.6	47.4
12H 4H	36.5	37.4	37.2	38.0	38.8	39.7	40.6	40.4	41.2	42.0
6H	38.1	38.8	38.8	39.4	40.3	42.4	43.1	43.1	43.8	44.6
8H	38.8	39.4	39.4	40.1	40.9	43.9	44.5	44.6	45.2	46.1
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: 48.9%
Test Distance: 2.500m [K=1.0462]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

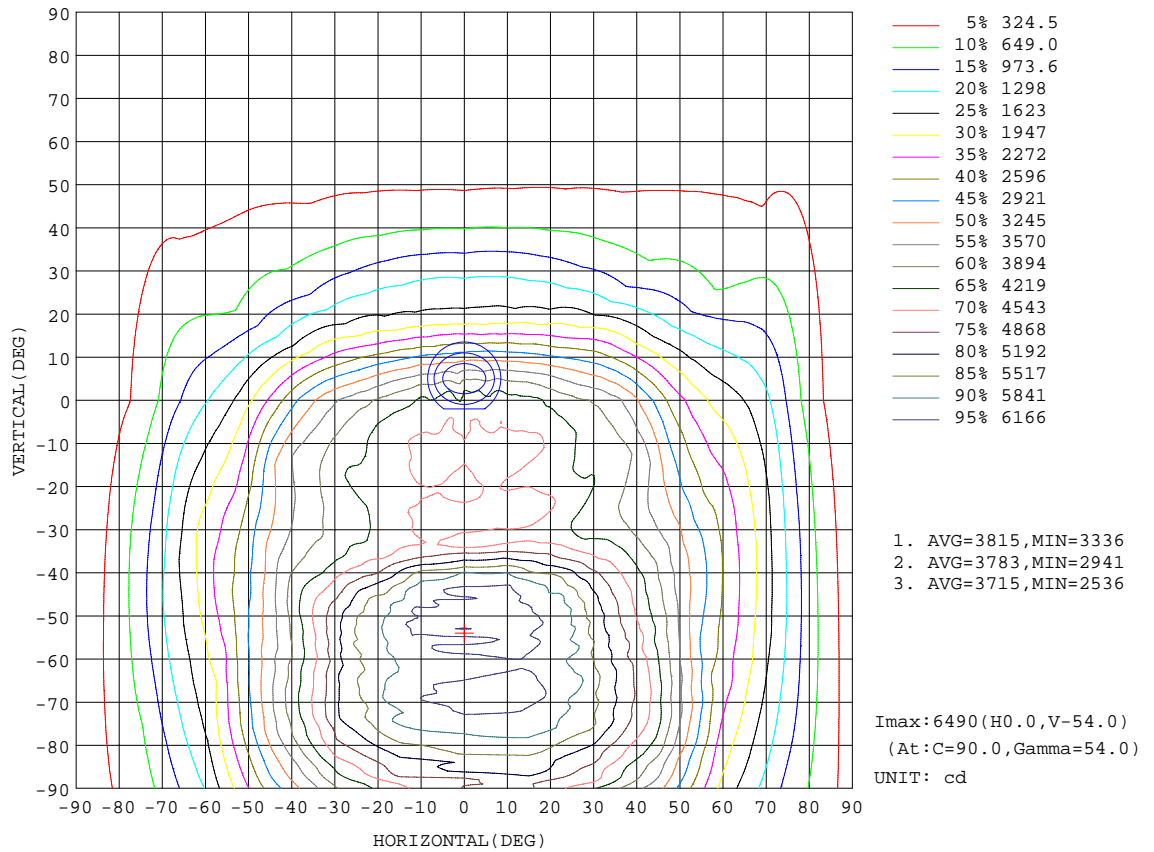
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	45	34	27	20
0.80	56	43	34	55	42	34	52	41	34	26
1.00	64	50	42	62	49	41	59	50	40	32
1.25	71	57	48	68	56	48	65	54	46	37
1.50	76	63	54	73	61	53	69	59	51	41
2.00	83	71	62	80	69	61	75	66	59	48
2.50	88	77	68	85	75	67	79	71	64	52
3.00	91	81	73	88	79	72	82	75	68	56
4.00	96	88	81	93	85	79	86	80	75	61
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: 24.8DEG
 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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

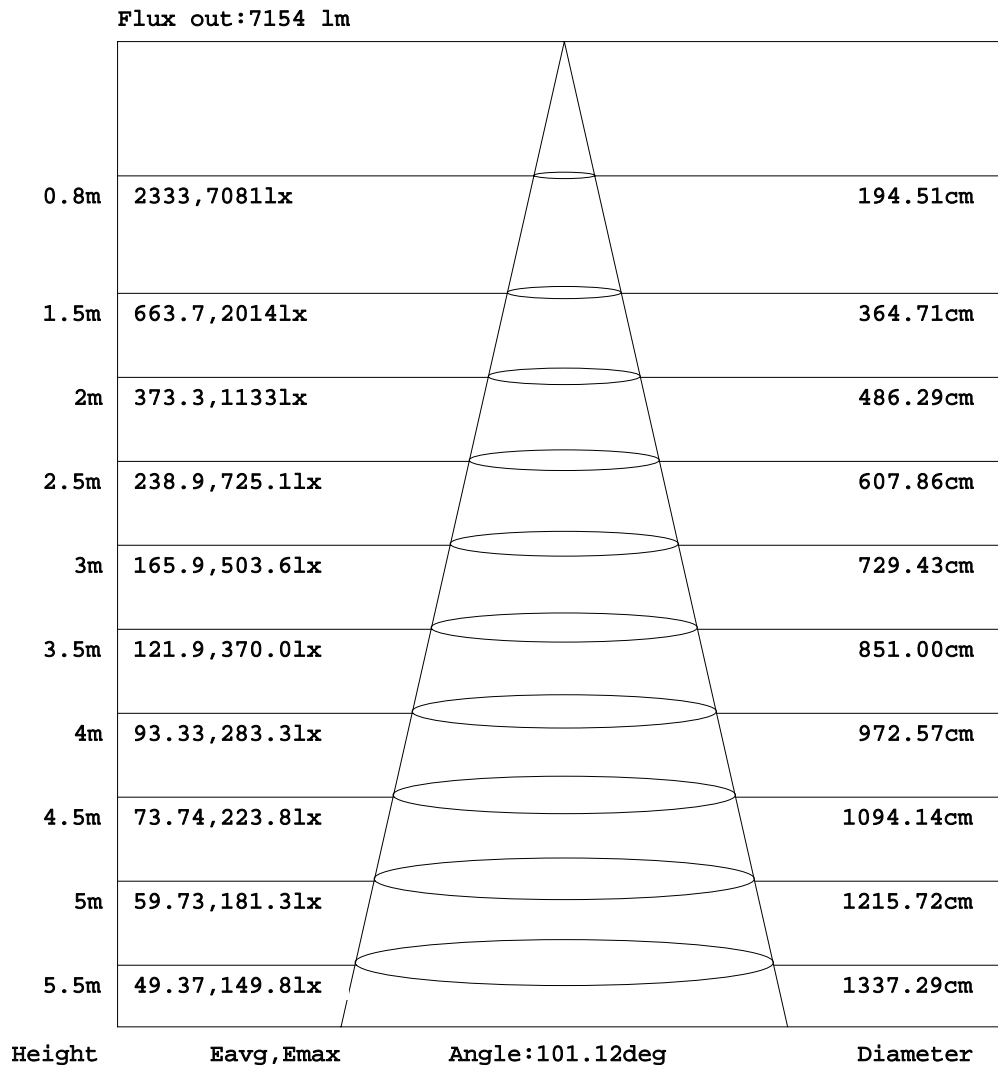


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 07 June 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

AAI Figure

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



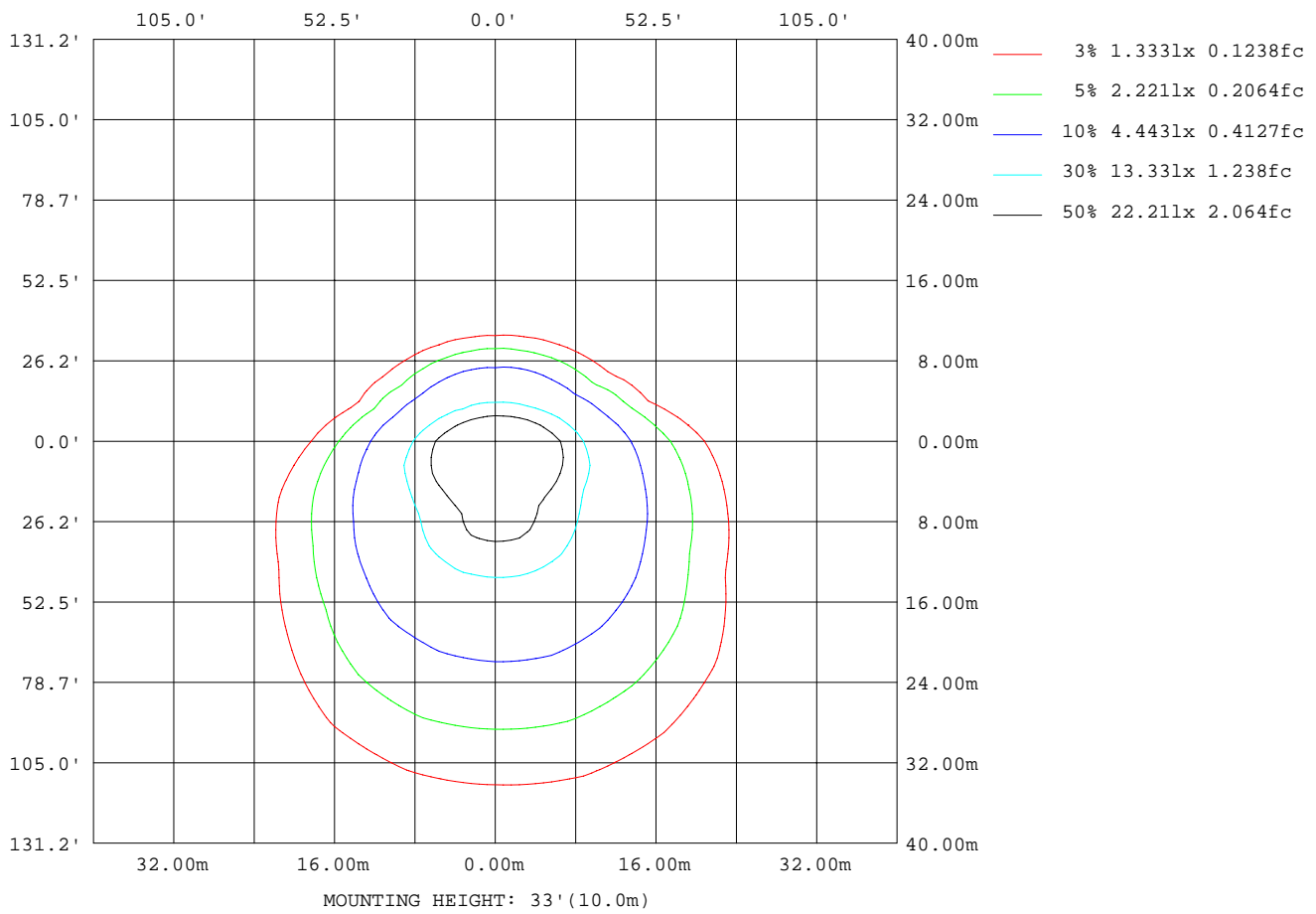
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

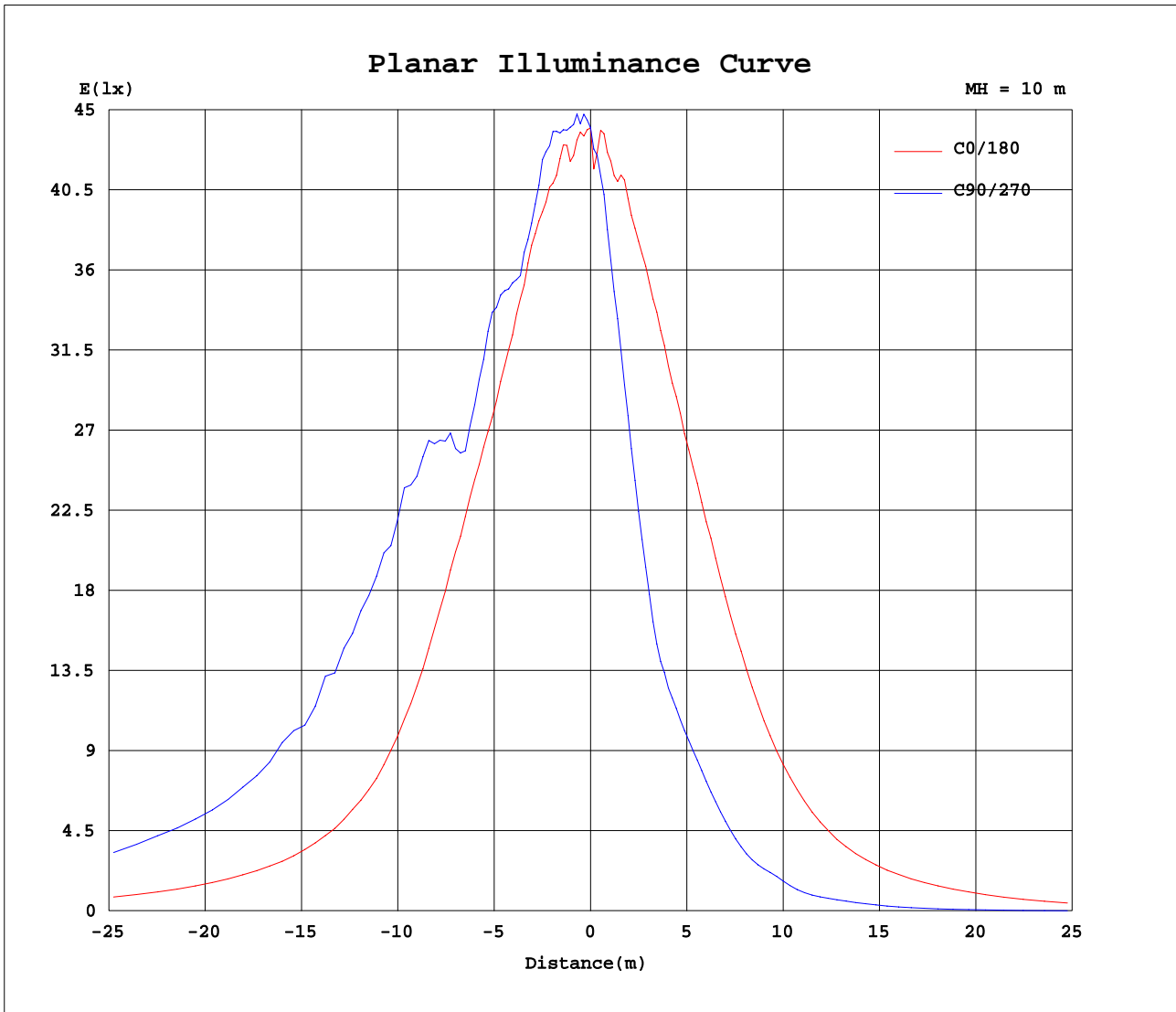
AvgL	cd/m2
L_0~180(65)av	59067
L_0~180(75)av	49581
L_0~180(85)av	46211
L_90~270(65)av	139520
L_90~270(75)av	219820
L_90~270(85)av	578842
L_45(65)av	100899
L_45(75)av	153407
L_45(85)av	383549

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: 48.9%
 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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 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	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398	4398
5	4292	4371	4437	4528	4544	4543	4468	4359	4548	4535	4459	4403	4310	4231	4162	4060	3886	3745	3872
10	4325	4457	4548	4530	4595	4646	4585	4743	4603	4502	4468	4405	4298	4042	3712	3405	3240	3089	3094
15	4302	4403	4571	4734	4744	4781	4524	4778	4621	4646	4493	4306	4095	3707	3224	2832	2491	2366	2314
20	4145	4383	4633	4588	4560	4599	4301	4543	4613	4509	4392	4245	3929	3344	2712	2209	1899	1734	1689
25	3995	4264	4358	4468	4632	4704	4646	4635	4490	4405	4270	4123	3753	2950	2230	1720	1535	1479	1441
30	3862	4158	4199	4533	4821	4601	4598	4666	4475	4305	4254	3946	3531	2580	1795	1451	1302	1254	1213
35	3670	4053	4239	4352	4448	4655	4725	4591	4392	4146	4103	3798	3209	2162	1462	1186	1052	961	916
40	3281	3919	3988	4125	4945	5693	5877	5421	4465	4050	3853	3653	2793	1724	1133	911	757	668	637
45	2782	3578	3808	4474	5596	6205	6225	6077	4945	4063	3646	3330	2327	1322	825	667	553	492	474
50	2342	3099	3767	4754	5914	6318	6348	6220	5494	4221	3504	2769	1883	986	635	491	377	314	295
55	2023	2795	3769	4818	5915	6294	6093	6173	5598	4433	3339	2318	1526	689	509	335	261	218	210
60	1807	2610	3584	4727	5839	6209	6073	6033	5528	4231	3002	2146	1272	494	387	229	154	128	112
65	1614	2432	3296	4747	5768	6280	6172	6005	5309	3902	2743	1991	1018	400	276	158	86.3	56.2	46.1
70	1365	2151	2951	4678	5761	6368	6242	6132	5297	3796	2409	1692	710	338	191	85.2	24.0	6.94	5.32
75	933	1849	2686	4562	5616	6099	5993	5966	5208	3716	2081	1379	420	279	130	41.3	12.9	7.50	6.05
80	510	1531	2429	4366	5331	5737	5599	5491	4885	3506	1817	1059	251	219	94.5	33.1	13.0	8.27	6.74
85	258	1201	2126	3866	4883	5379	5313	5028	4357	3130	1588	720	166	173	74.8	26.6	13.1	8.34	6.93
90	163	868	1826	3358	4249	4922	4887	4483	3860	2732	1312	468	141	145	58.4	20.8	12.8	8.09	7.00
95	143	545	1441	2787	3705	4264	4194	3798	3280	2308	936	283	136	123	44.1	16.3	12.1	9.09	8.34
100	118	219	437	1279	2272	2938	3045	2629	2112	1176	297	141	95.7	72.4	22.2	14.3	13.5	14.0	14.3
105	74.5	173	695	466	832	1082	1100	1109	654	401	411	133	66.3	54.8	30.2	14.2	13.2	14.7	15.5
110	144	138	499	746	973	1171	1077	1038	787	555	307	126	121	50.3	26.1	15.9	16.4	15.2	16.1
115	113	95.9	350	683	1268	1829	1811	1566	934	535	241	98.4	91.7	36.7	22.4	16.1	16.8	14.7	16.1
120	75.7	65.6	289	598	992	1250	1260	1122	879	461	190	77.5	64.0	27.5	18.0	15.8	16.1	15.2	15.9
125	50.3	52.5	258	469	755	970	982	879	657	414	170	60.7	43.3	19.2	14.3	14.2	14.4	14.5	15.1
130	25.7	26.6	227	363	555	711	721	656	476	299	166	39.3	21.9	10.7	14.3	12.7	11.2	13.3	14.4
135	9.18	40.1	205	271	363	471	478	432	319	249	125	18.9	17.0	17.2	13.2	10.8	11.0	8.88	9.79
140	8.84	31.2	139	232	239	282	288	268	221	221	84.3	22.4	13.5	13.4	8.72	8.37	9.89	9.81	11.0
145	7.81	17.4	70.9	180	184	188	185	179	175	151	42.0	14.3	9.42	9.34	7.77	9.36	9.43	9.72	8.66
150	5.14	7.43	22.9	119	144	148	143	142	130	88.8	20.6	7.45	6.81	6.92	7.74	9.24	10.5	9.38	5.77
155	8.98	9.39	14.5	49.8	90.3	107	110	103	76.7	36.9	11.2	6.65	7.10	7.87	7.24	9.85	9.51	9.71	7.04
160	9.49	9.75	9.62	14.7	39.0	55.6	60.7	52.9	35.4	13.6	7.97	7.78	8.43	8.91	8.29	9.29	9.78	9.99	8.12
165	9.96	10.3	10.0	10.0	11.3	12.9	13.3	13.0	11.2	10.3	9.96	10.3	10.7	10.8	10.6	9.25	8.25	8.50	6.84
170	10.2	10.6	10.6	10.3	9.81	9.17	9.39	10.1	10.4	11.0	11.5	11.8	11.4	11.3	10.8	10.5	10.1	8.32	5.46
175	7.02	7.42	7.54	7.35	7.18	7.24	7.23	9.38	10.7	11.3	11.5	11.6	11.1	11.1	10.9	10.3	9.54	7.97	5.34
180	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66

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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.9879A P:118.20W PF:0.9971 Freq:60.00Hz Lamp Flux:17633x1 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	4398	4398	4398	4398	4398														
5	3873	3979	4079	4134	4190														
10	3188	3287	3573	3875	4123														
15	2369	2620	2984	3429	3935														
20	1744	1970	2382	2971	3638														
25	1517	1584	1853	2472	3296														
30	1274	1357	1550	2041	2964														
35	998	1100	1276	1665	2579														
40	696	822	987	1307	2110														
45	504	589	743	956	1675														
50	325	409	542	711	1313														
55	222	284	391	556	996														
60	131	176	279	441	721														
65	59.6	92.8	186	344	527														
70	5.84	27.1	111	259	411														
75	6.24	9.88	53.8	191	330														
80	6.94	8.20	39.2	140	264														
85	6.95	7.65	27.6	102	205														
90	6.66	6.19	17.2	76.9	168														
95	8.08	7.01	13.6	57.9	142														
100	13.2	10.0	12.2	18.8	87.6														
105	14.8	12.0	10.6	30.7	49.6														
110	15.6	13.1	12.8	24.9	44.2														
115	15.9	13.8	12.6	19.6	30.9														
120	15.7	13.8	11.9	14.7	20.2														
125	14.9	13.2	9.16	11.4	15.5														
130	13.8	9.67	8.96	8.99	9.10														
135	9.01	10.2	8.46	9.27	14.1														
140	10.2	9.14	6.84	8.92	11.0														
145	10.2	9.06	9.05	6.80	8.24														
150	8.31	9.79	9.55	8.99	5.90														
155	7.31	9.22	9.32	9.44	8.58														
160	7.86	7.07	9.14	9.19	9.86														
165	5.62	5.55	6.24	8.28	10.4														
170	3.98	4.05	4.27	5.33	7.50														
175	4.60	4.49	4.47	4.93	6.24														
180	6.19	6.19	6.19	6.19	6.19														

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: 48.9%
 Test Distance: 2.500m [K=1.0462]
 Remarks: