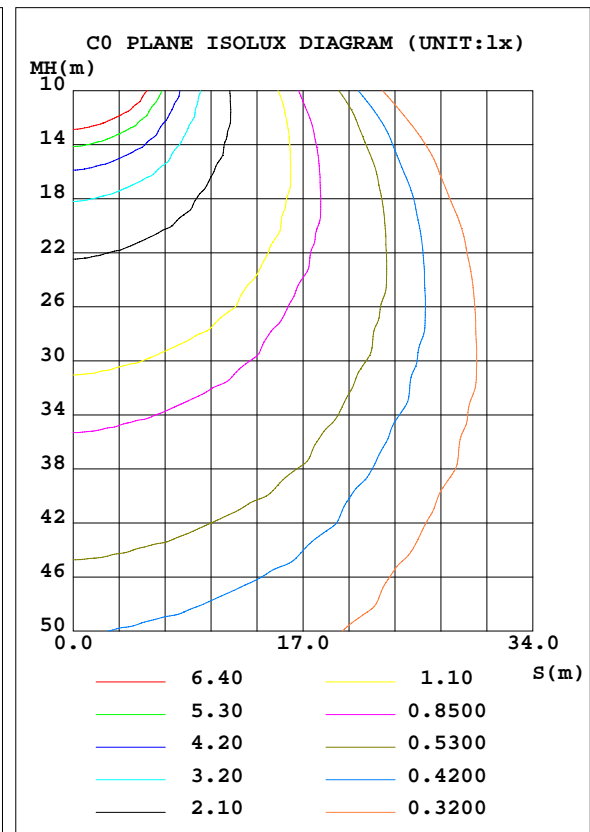
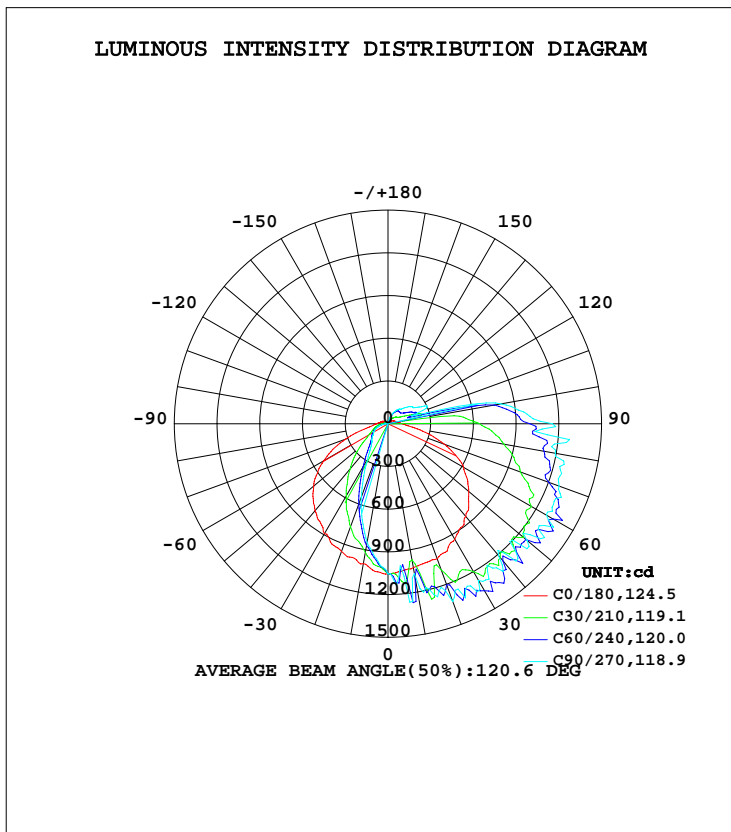


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-WLP01S-30DAC_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.75 lm/W			
MODEL	ASD-WLP01S-30DAC-PC	I _{max} (cd)	1399	S/MH(C0/180)	1.25
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	4833.5	η UP, DN(C0-180)	13.6,68.7
NOMINAL FLUX(lm)	4833.5	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.7,17.0
LAMPS INSIDE	1	η up(%)	14.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	85.7	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1026	1289	1070	1186	997.3	880.8	846.2	887.3	0- 10	97.76	97.76	2.02,2.02
20	1010	1201	1331	1153	955.2	675.2	549.7	699.2	10- 20	274.8	372.6	7.71,7.71
30	937.1	1333	1269	1293	891.4	455.8	289.8	509.8	20- 30	417.8	790.4	16.4,16.4
40	851.2	1276	1209	1291	797.3	281.5	178.7	325.0	30- 40	515.5	1306	27,27
50	740.3	1153	1275	1230	681.8	167.7	144.6	190.7	40- 50	575.3	1881	38.9,38.9
60	613.4	1208	1285	1242	522.1	127.1	116.8	128.5	50- 60	622.4	2504	51.8,51.8
70	422.6	1151	1278	1112	317.5	97.33	82.77	100.1	60- 70	619.0	3123	64.6,64.6
80	209.1	977.9	1193	972.6	133.4	55.84	41.74	64.70	70- 80	552.4	3675	76,76
90	102.3	825.5	1154	807.0	82.15	22.47	1.733	31.23	80- 90	466.4	4141	85.7,85.7
100	42.34	539.5	804.8	428.9	39.30	15.11	2.029	22.64	90-100	345.5	4487	92.8,92.8
110	52.94	220.7	212.6	217.7	48.25	6.294	3.270	10.46	100-110	139.8	4627	95.7,95.7
120	41.69	122.3	231.4	118.9	36.31	6.125	3.200	9.931	110-120	84.91	4712	97.5,97.5
130	9.281	88.30	186.1	86.36	6.323	2.684	2.834	5.117	120-130	53.49	4765	98.6,98.6
140	12.76	77.81	133.7	69.92	9.527	1.657	2.273	1.990	130-140	34.55	4800	99.3,99.3
150	2.424	64.35	104.5	50.35	2.446	1.817	1.616	1.996	140-150	21.77	4821	99.8,99.8
160	2.160	10.28	57.95	10.87	1.780	1.887	1.803	1.992	150-160	9.826	4831	100,100
170	1.568	1.843	12.39	2.355	2.489	1.982	1.234	1.383	160-170	1.964	4833	100,100
180	1.694	1.903	2.064	1.268	1.713	1.726	1.780	1.695	170-180	0.2169	4834	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1586.9 lm

%lum = 32.8%

%lamp = 32.8%

Conical surface Flux(120deg): 2503.6 lm

%lum = 51.8%

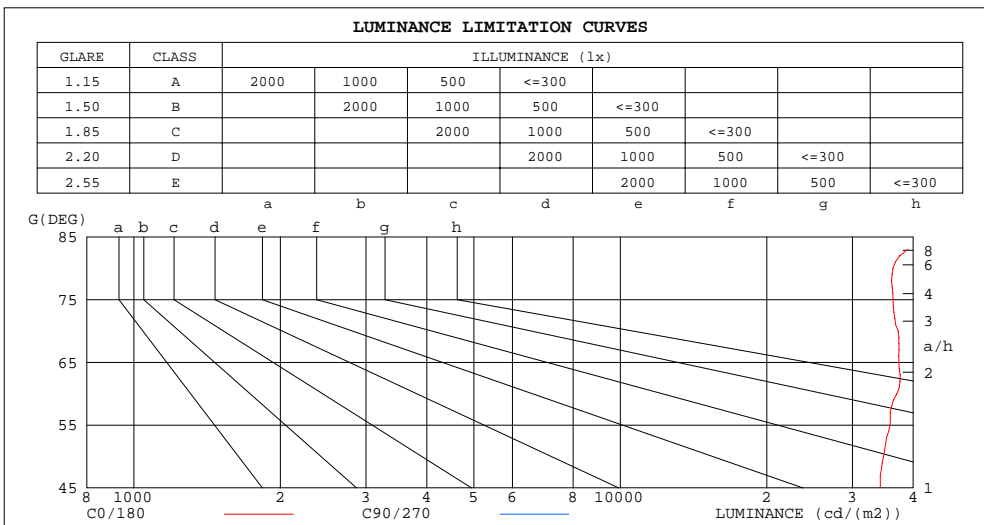
%lamp = 51.8%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 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	45500	440837
80	36335	206301
75	36384	145374
70	37278	112190
65	37366	91465
60	37016	77160
55	35839	67455
50	34748	59536
45	34234	53853

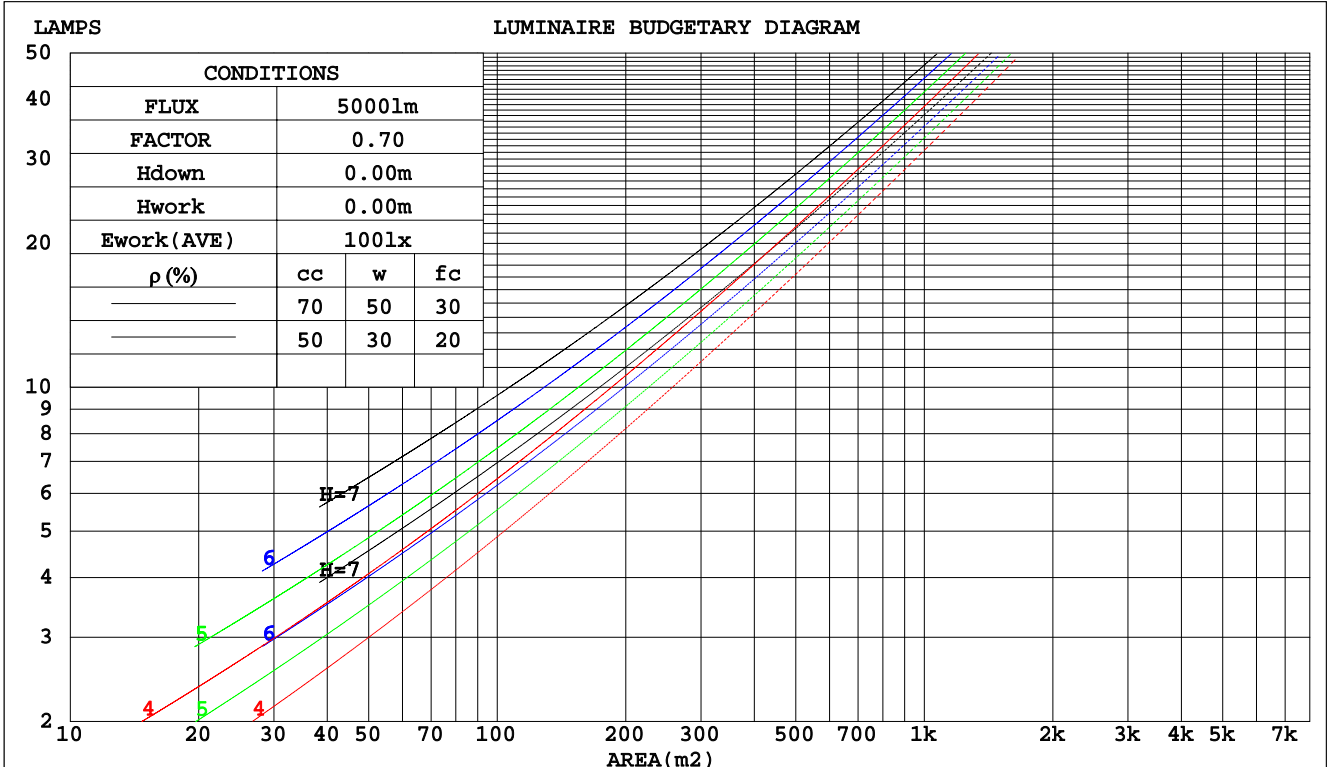
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 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	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.95	.89	.84	.91	.86	.81	.84	.80	.76	.77	.74	.71	.71	.69	.66	.63
2.0	.80	.72	.65	.77	.69	.63	.71	.65	.59	.65	.60	.56	.60	.56	.52	.49
3.0	.69	.60	.52	.66	.58	.51	.61	.54	.48	.57	.50	.45	.52	.47	.43	.40
4.0	.61	.51	.43	.58	.49	.42	.54	.46	.40	.50	.43	.38	.46	.40	.36	.33
5.0	.54	.44	.36	.52	.42	.36	.48	.40	.34	.44	.37	.32	.41	.35	.30	.28
6.0	.48	.38	.31	.46	.37	.31	.43	.35	.29	.40	.33	.28	.37	.31	.26	.24
7.0	.43	.34	.27	.42	.33	.27	.39	.31	.26	.36	.29	.24	.34	.28	.23	.21
8.0	.39	.30	.24	.38	.30	.24	.35	.28	.23	.33	.26	.22	.31	.25	.21	.18
9.0	.36	.27	.22	.35	.27	.21	.33	.25	.20	.30	.24	.19	.28	.23	.19	.16
10.0	.33	.25	.19	.32	.24	.19	.30	.23	.18	.28	.22	.17	.26	.21	.17	.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 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	.408	.233	.074	.386	.222	.071	.366	.211	.068	.348	.202	.065	
2.0	.356	.195	.060	.346	.190	.059	.326	.181	.056	.308	.173	.054	.291	.164	.052	
3.0	.313	.166	.050	.303	.162	.049	.285	.155	.047	.269	.147	.045	.253	.140	.043	
4.0	.279	.145	.043	.270	.142	.042	.254	.135	.040	.239	.128	.039	.225	.122	.037	
5.0	.252	.128	.037	.244	.125	.037	.230	.120	.035	.216	.114	.034	.203	.109	.033	
6.0	.230	.115	.033	.223	.112	.032	.209	.107	.031	.197	.102	.030	.185	.098	.029	
7.0	.211	.104	.030	.205	.102	.029	.193	.097	.028	.181	.093	.027	.171	.089	.026	
8.0	.195	.095	.027	.189	.093	.026	.178	.089	.025	.168	.085	.025	.158	.081	.024	
9.0	.181	.088	.024	.176	.086	.024	.166	.082	.023	.156	.078	.022	.147	.075	.022	
10.0	.169	.081	.023	.164	.079	.022	.155	.076	.021	.146	.073	.021	.138	.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	.300	.300	.300	.256	.256	.256	.175	.175	.175	.100	.100	.100	.032	.032	.032	
1.0	.298	.265	.236	.255	.228	.203	.174	.157	.140	.100	.091	.082	.032	.029	.026	
2.0	.292	.242	.201	.250	.209	.174	.171	.144	.121	.099	.084	.071	.032	.027	.023	
3.0	.284	.226	.180	.243	.195	.156	.167	.135	.109	.097	.079	.064	.031	.026	.021	
4.0	.276	.213	.166	.237	.184	.144	.163	.129	.101	.094	.075	.060	.030	.025	.020	
5.0	.268	.204	.156	.230	.176	.136	.159	.123	.096	.092	.072	.057	.030	.024	.019	
6.0	.260	.196	.149	.224	.169	.130	.154	.119	.092	.090	.070	.055	.029	.023	.018	
7.0	.253	.189	.144	.217	.164	.126	.150	.115	.089	.087	.068	.053	.028	.022	.018	
8.0	.246	.183	.141	.212	.159	.123	.146	.112	.087	.085	.066	.052	.028	.022	.017	
9.0	.239	.179	.138	.206	.155	.120	.143	.109	.085	.083	.064	.051	.027	.021	.017	
10.0	.233	.174	.135	.201	.151	.118	.139	.107	.084	.081	.063	.050	.026	.021	.017	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 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	26.2	27.7	26.7	28.2	28.9	28.5	30.0	29.0	30.5	31.2
3H	28.4	29.8	29.0	30.4	31.1	31.8	33.2	32.4	33.8	34.5
4H	29.3	30.6	29.9	31.2	31.9	33.6	34.9	34.2	35.5	36.2
6H	30.0	31.3	30.6	31.9	32.6	35.6	36.8	36.2	37.4	38.1
8H	30.3	31.5	30.9	32.1	32.8	36.6	37.8	37.2	38.4	39.1
12H	30.5	31.7	31.2	32.3	33.0	37.9	39.1	38.6	39.7	40.4
4H 2H	27.8	29.1	28.4	29.7	30.4	29.3	30.6	29.9	31.2	31.9
3H	30.5	31.7	31.1	32.3	33.0	32.9	34.0	33.5	34.7	35.4
4H	31.7	32.8	32.4	33.4	34.2	34.9	35.9	35.5	36.6	37.3
6H	32.8	33.7	33.4	34.4	35.1	37.1	38.0	37.7	38.7	39.4
8H	33.2	34.1	33.8	34.7	35.5	38.2	39.1	38.8	39.8	40.5
12H	33.5	34.3	34.2	35.0	35.8	39.7	40.5	40.4	41.2	42.0
8H 4H	33.1	34.0	33.8	34.7	35.4	35.4	36.3	36.1	37.0	37.8
6H	34.6	35.4	35.3	36.1	36.9	37.9	38.7	38.6	39.4	40.1
8H	35.4	36.1	36.1	36.8	37.6	39.3	40.0	40.0	40.7	41.5
12H	36.0	36.6	36.7	37.3	38.1	41.1	41.7	41.8	42.4	43.2
12H 4H	33.5	34.4	34.2	35.0	35.8	35.5	36.4	36.2	37.0	37.8
6H	35.3	36.0	36.0	36.7	37.5	38.1	38.8	38.8	39.5	40.3
8H	36.3	36.9	37.0	37.6	38.4	39.6	40.2	40.3	40.9	41.8
CIE190: 2010										

CIE190: 2010
Area: 0.0333 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 09 August 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 45.4%
Test Distance: 2.500m [K=1.0473]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

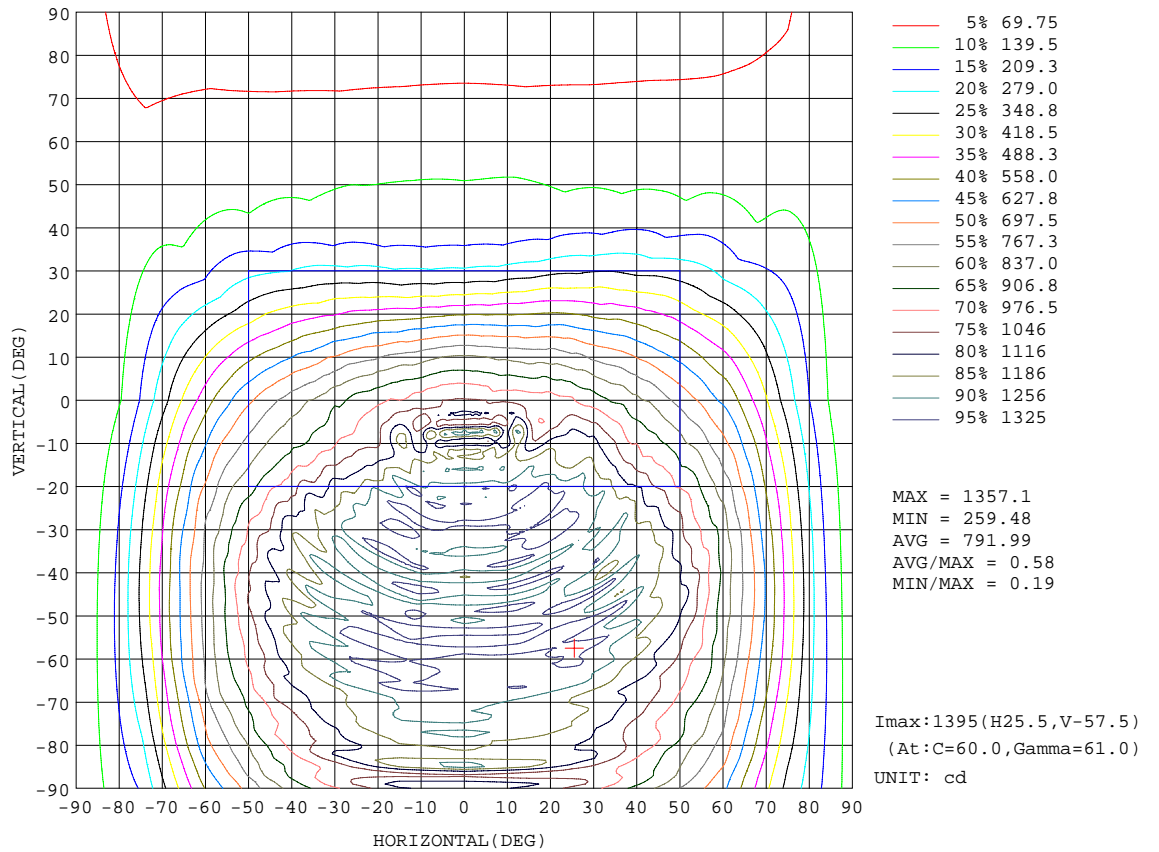
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	46	34	27	44	33	26	20
0.80	56	43	34	55	42	34	52	41	33	25
1.00	64	50	41	62	49	41	59	50	40	31
1.25	70	57	48	68	56	48	64	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	84	74	67	79	70	64	52
3.00	91	81	73	88	79	72	82	75	68	56
4.00	96	88	81	93	85	78	86	80	74	61
5.00	99	92	86	96	89	83	89	83	79	64
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: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

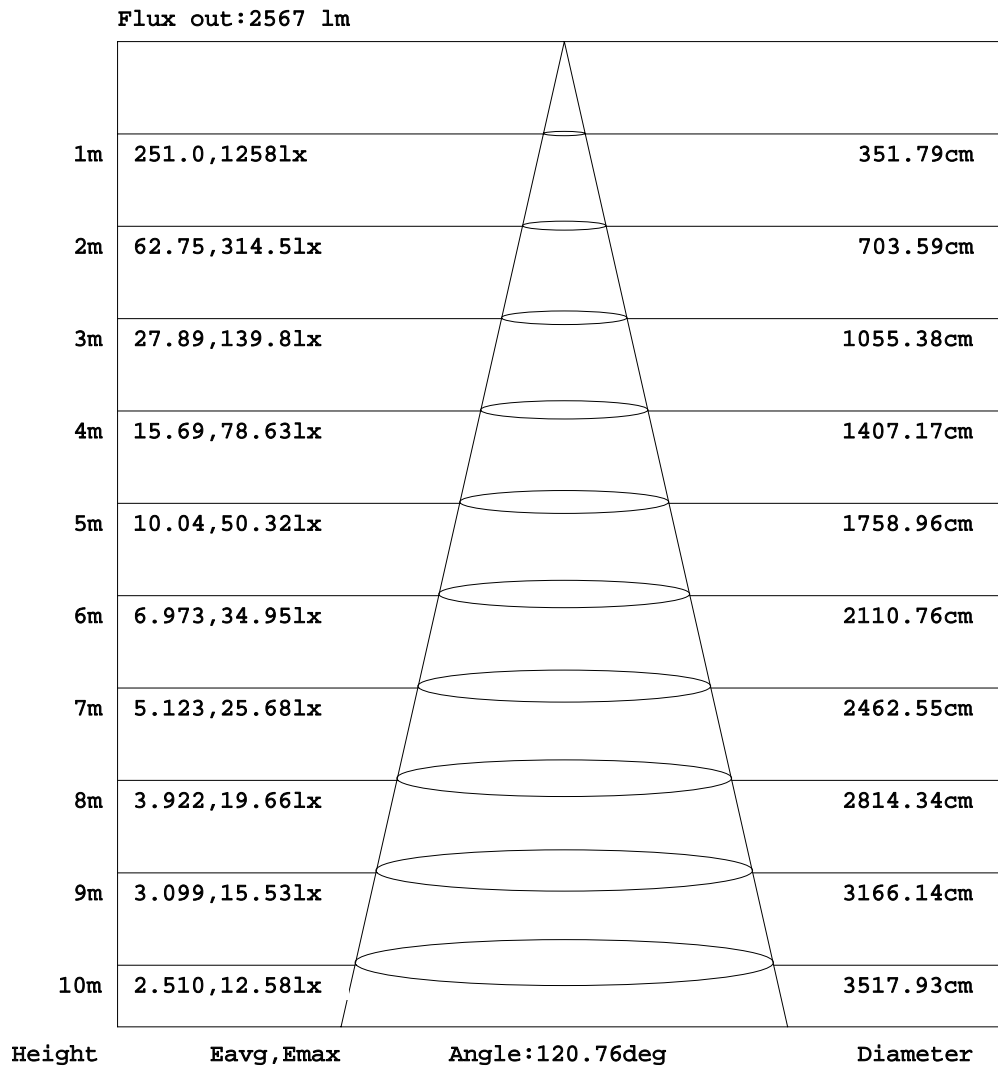


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

AAI Figure

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



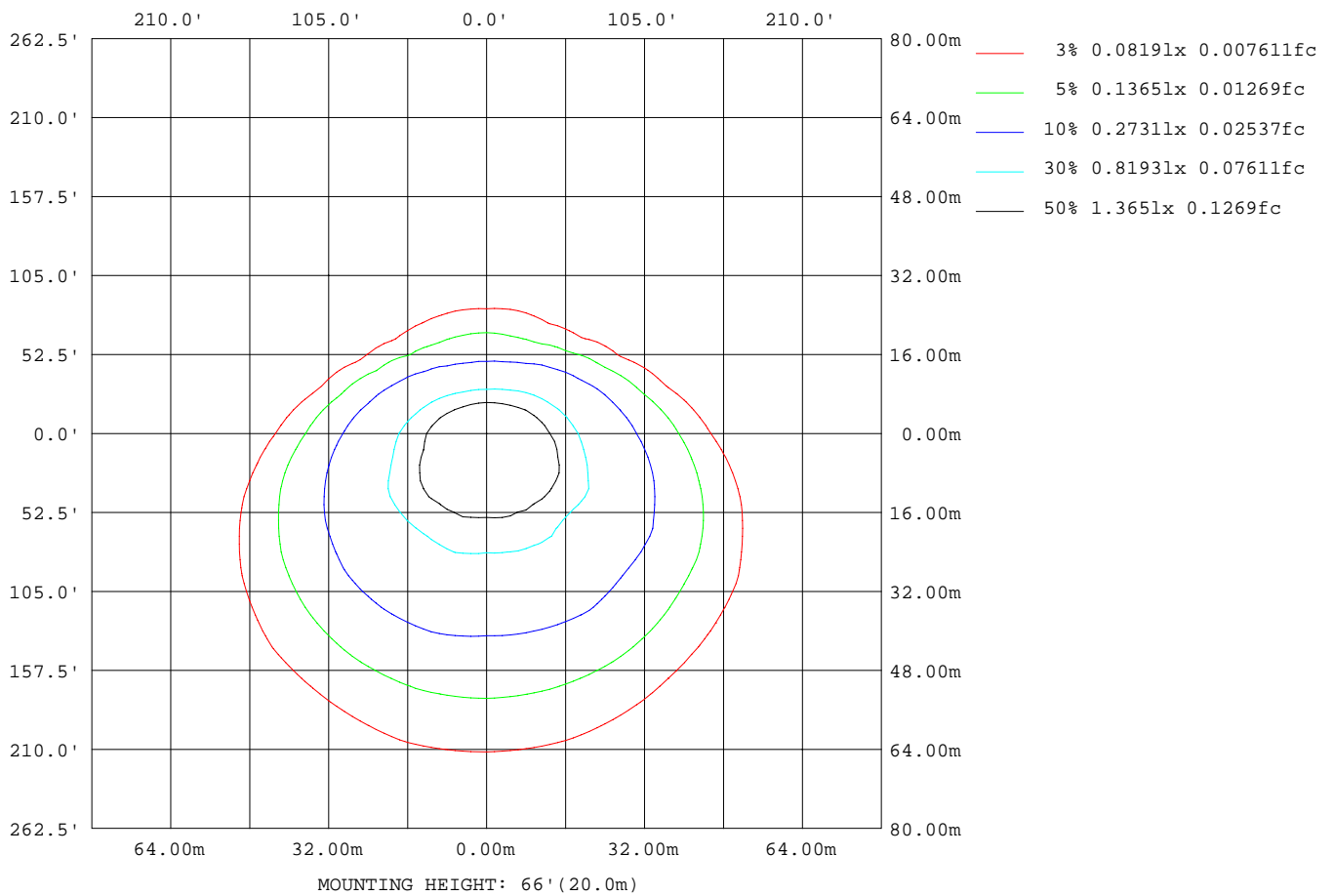
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:Alan Wang
 Test Date:09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance:2.500m [K=1.0473]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 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: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

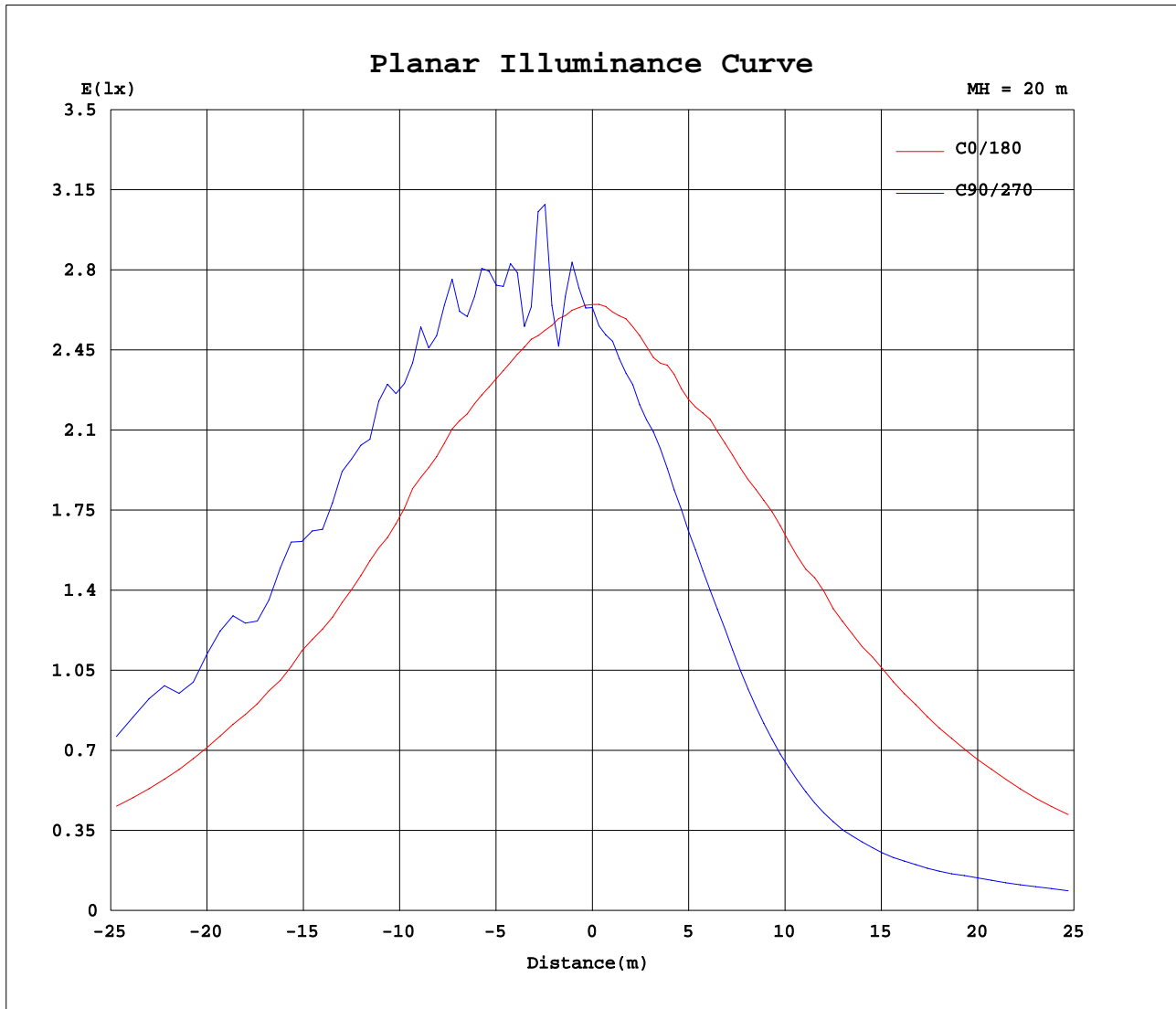
AvgL	cd/m2
L_0~180(65)av	33797
L_0~180(75)av	30512
L_0~180(85)av	39849
L_90~270(65)av	49335
L_90~270(75)av	76429
L_90~270(85)av	223603
L_45(65)av	46611
L_45(75)av	66102
L_45(85)av	163672

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 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	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055
5	1042	1044	1110	1119	1029	997	998	1008	1053	1123	1099	1054	1041	1009	999	981	961	955	950
10	1026	1114	970	1289	1100	1052	1070	1062	1180	1186	1006	1064	997	963	918	881	869	853	846
15	1011	1040	1261	1132	1180	1217	1241	1211	1176	1058	1150	1087	972	916	844	783	732	706	700
20	1010	987	1090	1201	1203	1289	1331	1259	1237	1153	1103	1046	955	861	771	675	600	560	550
25	986	1102	1172	1271	1275	1323	1287	1352	1299	1226	1081	997	933	806	680	564	465	414	403
30	937	1111	1199	1333	1354	1321	1269	1376	1311	1293	1099	976	891	738	586	456	351	301	290
35	891	1070	1223	1330	1361	1228	1213	1308	1279	1307	1150	944	836	662	496	363	265	224	218
40	851	997	1227	1276	1255	1268	1209	1353	1301	1291	1130	925	797	598	412	282	204	182	179
45	802	993	1261	1265	1278	1317	1269	1372	1305	1236	1137	912	743	517	338	216	170	162	161
50	740	975	1240	1153	1264	1316	1275	1342	1252	1230	1143	885	682	444	263	168	151	149	145
55	681	955	1213	1176	1293	1335	1289	1355	1280	1268	1129	861	606	362	194	143	138	128	125
60	613	896	1164	1208	1338	1298	1285	1363	1287	1242	1079	808	522	273	152	127	121	119	117
65	523	831	1103	1206	1321	1313	1288	1348	1278	1190	1010	743	428	193	125	114	107	102	101
70	423	745	989	1151	1201	1247	1278	1269	1191	1112	928	651	318	139	106	97.3	86.0	82.5	82.8
75	312	654	916	1054	1178	1225	1253	1252	1163	1065	858	544	214	108	89.5	76.6	65.8	62.8	64.1
80	209	544	827	978	1114	1175	1193	1188	1105	973	779	437	133	83.6	72.7	55.8	45.5	41.3	41.7
85	131	426	745	916	1066	1209	1280	1213	1030	903	682	322	99.9	66.2	55.3	36.5	24.2	18.3	18.0
90	102	324	644	826	997	1100	1154	1109	968	807	564	216	82.2	54.3	40.0	22.5	7.08	1.79	1.73
95	81.5	224	533	726	891	949	957	966	870	703	453	146	70.3	48.1	33.2	18.2	4.19	1.66	1.70
100	42.3	78.9	119	539	760	817	805	831	729	429	95.7	55.9	39.3	25.4	18.3	15.1	3.49	2.13	2.03
105	42.0	90.0	248	146	250	370	390	356	210	182	197	66.5	40.1	11.0	18.4	7.67	2.60	2.81	3.01
110	52.9	75.0	197	221	201	239	213	231	170	218	162	54.9	48.2	11.3	23.7	6.29	2.64	3.01	3.27
115	47.1	58.7	130	171	191	283	298	259	165	170	120	45.9	42.2	8.70	19.3	8.02	2.75	3.09	3.35
120	41.7	50.1	95.1	122	161	218	231	205	146	119	94.4	40.8	36.3	6.26	15.0	6.12	2.75	3.02	3.20
125	35.5	44.6	79.6	102	132	205	213	183	122	99.0	79.2	34.6	30.8	4.50	11.9	4.33	2.68	2.89	3.01
130	9.28	32.0	74.0	88.3	118	183	186	163	106	86.4	68.2	19.0	6.32	8.23	8.71	2.68	2.13	2.76	2.83
135	16.2	11.4	62.5	82.2	117	155	155	143	96.6	76.9	57.8	10.2	12.1	12.1	6.29	2.22	2.05	1.72	1.79
140	12.8	13.2	53.5	77.8	116	136	134	130	97.7	69.9	47.3	13.7	9.53	8.90	4.37	1.66	2.11	2.45	2.27
145	7.41	14.5	41.1	74.5	109	124	122	117	91.1	59.4	32.3	4.01	2.23	1.54	1.78	1.72	1.68	2.02	1.96
150	2.42	7.50	28.5	64.3	93.3	105	104	97.5	78.7	50.3	20.8	2.79	2.45	1.63	1.74	1.82	1.77	1.69	1.62
155	2.07	4.50	2.14	49.8	72.0	81.2	81.8	74.9	61.8	39.5	2.04	2.03	2.23	1.89	1.72	1.84	2.04	1.97	1.77
160	2.16	2.17	15.3	10.3	49.2	57.0	57.9	52.5	42.5	10.9	7.36	1.53	1.78	1.80	1.58	1.89	2.02	2.08	1.80
165	2.22	2.32	4.97	10.3	2.28	14.5	10.9	15.3	2.33	13.7	2.69	2.29	2.42	2.39	2.01	1.61	1.81	1.88	1.58
170	1.57	1.59	1.61	1.84	4.94	9.36	12.4	11.1	7.90	2.35	2.34	2.36	2.49	2.48	2.38	1.98	1.74	1.37	1.23
175	1.70	1.68	1.74	1.97	2.29	2.31	2.28	2.32	2.42	2.44	2.43	2.43	2.48	2.48	2.36	1.80	1.50	1.38	1.37
180	1.69	1.48	1.57	1.90	2.02	2.08	2.06	1.94	1.68	1.27	1.28	1.60	1.71	1.70	1.73	1.73	1.74	1.76	1.78

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2562A P:30.640W PF:0.9967 Freq:60.00Hz Lamp Flux:4833.5x1 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	1055	1055	1055	1055	1055														
5	948	961	980	992	1000														
10	853	861	887	920	975														
15	708	743	803	865	936														
20	570	622	699	804	911														
25	428	501	601	737	859														
30	314	386	510	648	798														
35	232	293	411	559	736														
40	182	224	325	484	673														
45	159	174	249	398	597														
50	147	148	191	317	522														
55	131	133	152	240	437														
60	120	123	129	175	351														
65	103	107	114	136	261														
70	83.2	90.8	100	111	179														
75	62.7	71.0	83.5	92.9	128														
80	42.2	50.1	64.7	77.7	99.6														
85	18.7	29.5	44.6	62.9	80.0														
90	1.79	12.6	31.2	50.0	67.9														
95	1.66	9.04	26.5	41.8	59.8														
100	2.06	7.73	22.6	19.1	34.1														
105	2.70	6.30	11.0	26.9	23.9														
110	2.90	2.74	10.5	28.4	26.3														
115	2.61	3.42	12.8	24.6	23.3														
120	2.55	2.92	9.93	20.5	20.9														
125	2.61	2.53	7.07	16.5	19.1														
130	2.51	1.96	5.12	12.7	12.4														
135	1.65	2.07	3.65	9.08	18.2														
140	2.05	2.06	1.99	4.64	12.9														
145	1.73	1.66	1.82	1.97	6.16														
150	1.60	1.86	2.00	2.00	2.11														
155	1.83	1.95	2.03	2.07	1.90														
160	1.67	1.73	1.99	2.02	2.09														
165	1.41	1.64	1.48	1.72	2.23														
170	1.21	1.32	1.38	1.45	1.77														
175	1.34	1.34	1.34	1.58	1.66														
180	1.78	1.72	1.70	1.67	1.66														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 09 August 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.4%
 Test Distance: 2.500m [K=1.0473]
 Remarks: