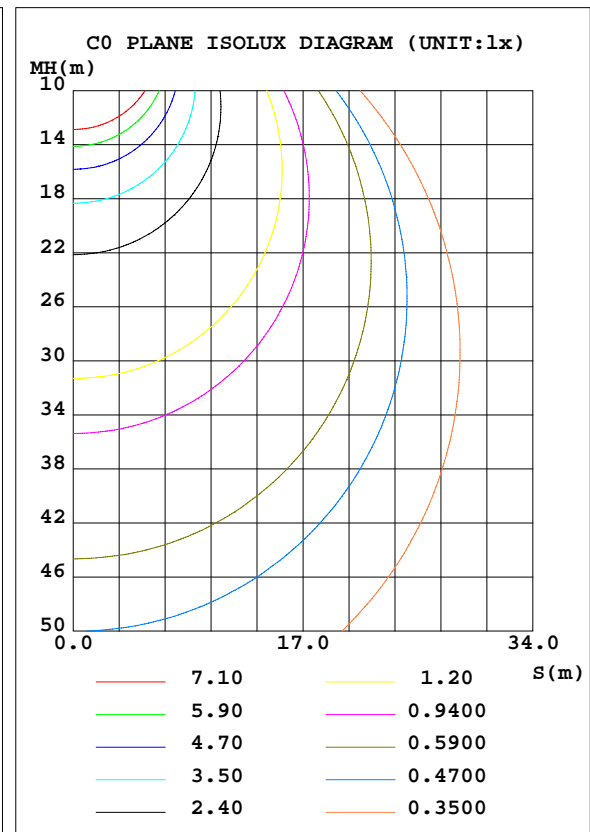
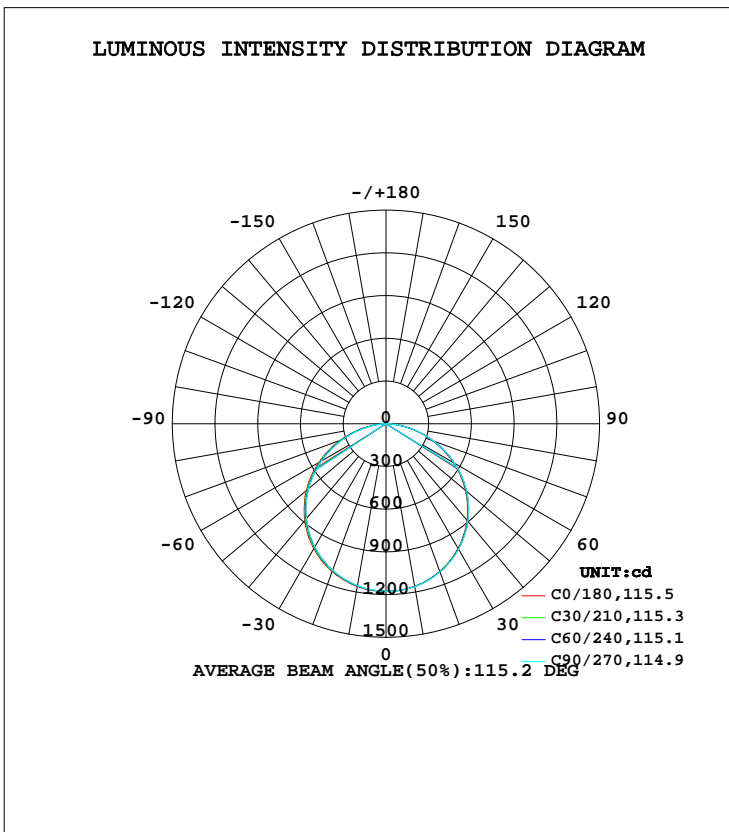


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.15 lm/W			
MODEL	ASD-BLP-22D25AC-EM-PRM	I <sub>max</sub> (cd)	1178	S/MH(C0/180)	1.28
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	3471.7	η UP, DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	3471.7	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,49.2
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1159	1161	1162	1159	1160	1155	1155	1155	0- 10	111.4	111.4	3.21,3.21
20	1103	1107	1108	1105	1105	1097	1094	1096	10- 20	320.2	431.7	12.4,12.4
30	1010	1017	1019	1015	1013	1003	998.0	1002	20- 30	488.6	920.3	26.5,26.5
40	884.6	893.1	894.6	890.1	887.5	874.2	868.2	874.4	30- 40	594.5	1515	43.6,43.6
50	728.1	738.1	739.5	734.2	729.7	714.2	708.0	716.5	40- 50	623.2	2138	61.6,61.6
60	545.3	556.8	557.3	552.0	545.7	529.7	521.8	533.2	50- 60	569.0	2707	78.78
70	346.4	358.1	357.7	351.5	344.1	329.2	321.1	334.1	60- 70	438.7	3146	90.6,90.6
80	149.4	161.4	154.6	152.4	143.8	133.2	123.6	138.6	70- 80	255.8	3402	98.98
90	5.172	7.341	4.042	4.266	0.2593	0.2667	0.2620	0.2632	80- 90	66.89	3468	99.9,99.9
100	0.2041	0.1872	0.1889	0.1959	0.3842	0.3780	0.3807	0.3747	90-100	0.4380	3469	99.9,99.9
110	0.2795	0.2436	0.2573	0.2673	0.4440	0.4337	0.4402	0.4327	100-110	0.3393	3469	99.9,99.9
120	0.3990	0.3348	0.3454	0.3643	0.5295	0.5035	0.4971	0.4879	110-120	0.3796	3470	99.9,99.9
130	0.5245	0.4580	0.4530	0.4894	0.7007	0.6980	0.6986	0.6540	120-130	0.4488	3470	100,100
140	0.6032	0.5560	0.5775	0.5789	0.8060	0.8303	0.8207	0.7878	130-140	0.4983	3471	100,100
150	0.6451	0.5979	0.5930	0.6237	0.8849	0.9020	0.8647	0.8742	140-150	0.4507	3471	100,100
160	0.7516	0.6625	0.6200	0.7108	0.9851	0.9665	0.9099	0.9059	150-160	0.3605	3471	100,100
170	0.8631	0.8284	0.7820	0.8444	1.021	1.047	0.9841	0.9422	160-170	0.2436	3472	100,100
180	0.9667	0.9667	0.9667	0.9667	0.9457	0.9457	0.9457	0.9457	170-180	0.0901	3472	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1828 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 2707 lm

%lum = 78.0%

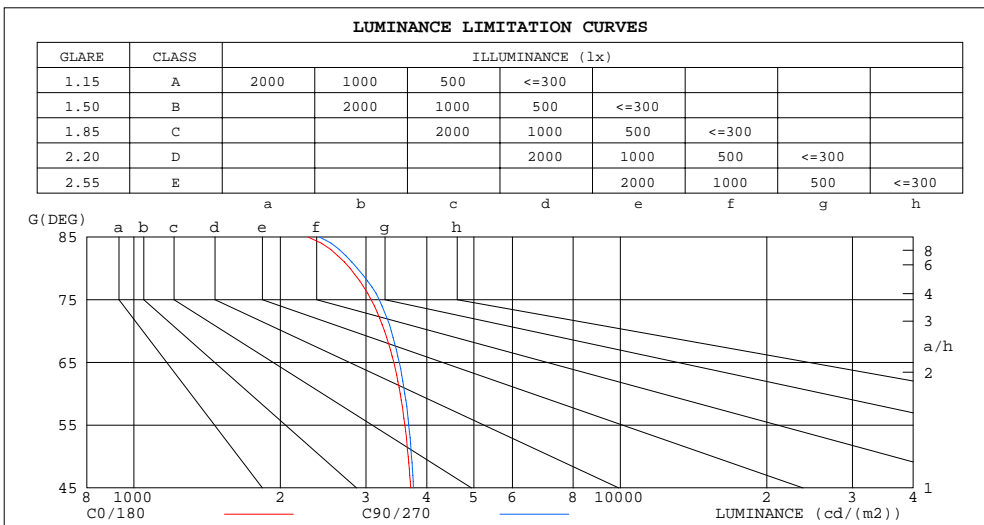
%lamp = 78.0%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2279	2409
80	2783	2881
75	3074	3194
70	3277	3383
65	3422	3513
60	3528	3605
55	3608	3672
50	3664	3722
45	3706	3756

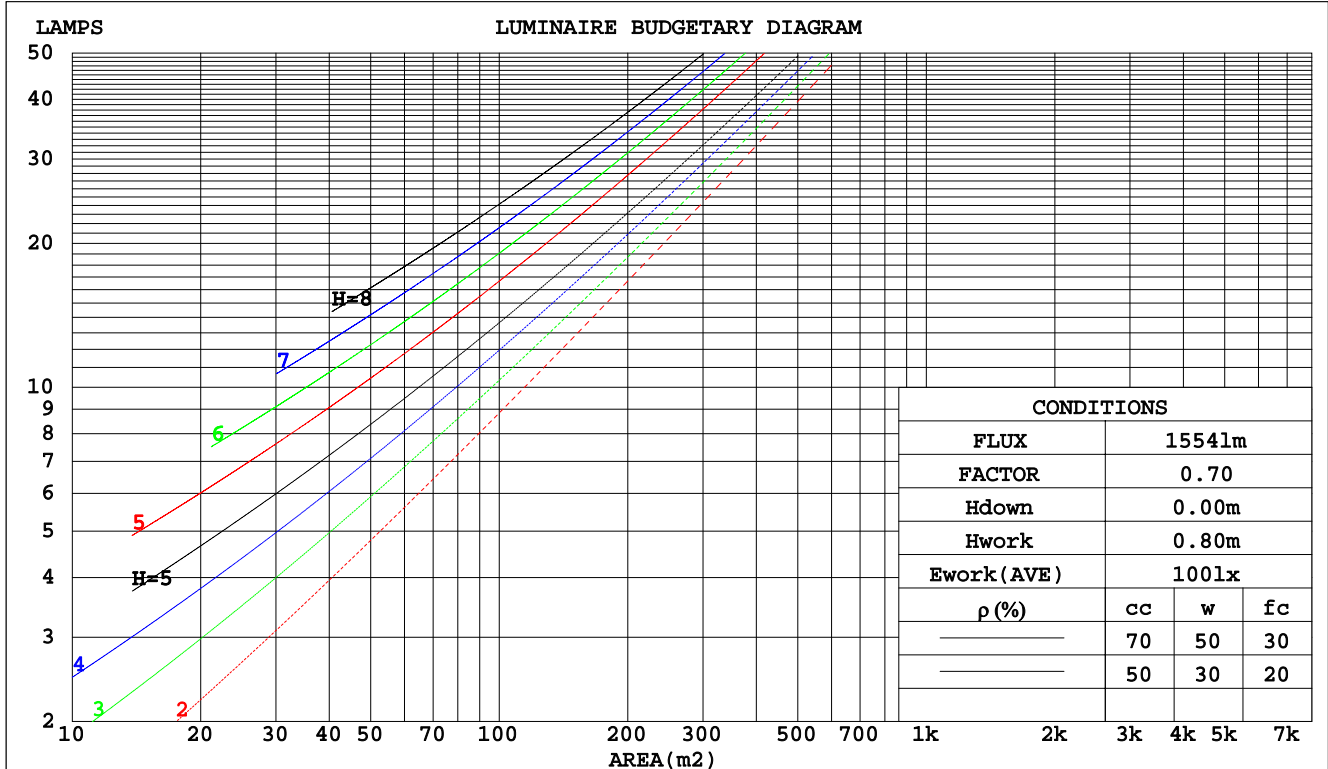
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	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																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	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	.314	.178	.056	.306	.175	.056	.293	.168	.054	.281	.162	.052	.269	.156	.050	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021	

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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.098	.149	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.075	.142	.099	.065	.098	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.048	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.083	.040	.123	.072	.035	.085	.050	.024	.049	.030	.015	.016	.010	.005	
7.0	.137	.076	.034	.118	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.026	.078	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K					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	16.8	18.4	17.1	18.7	19.0	16.8	18.5	17.2	18.8	19.1
3H	18.6	20.1	19.0	20.5	20.8	18.7	20.2	19.1	20.5	20.9
4H	19.3	20.7	19.7	21.1	21.5	19.4	20.9	19.8	21.2	21.6
6H	19.9	21.2	20.3	21.5	21.9	20.0	21.3	20.4	21.7	22.0
8H	20.0	21.3	20.5	21.7	22.1	20.2	21.4	20.6	21.8	22.2
12H	20.1	21.3	20.6	21.7	22.2	20.3	21.5	20.7	21.8	22.3
4H 2H	17.4	18.8	17.8	19.2	19.6	17.5	18.9	17.9	19.2	19.6
3H	19.5	20.7	19.9	21.1	21.5	19.6	20.8	20.0	21.2	21.6
4H	20.4	21.5	20.8	21.9	22.3	20.4	21.5	20.9	21.9	22.4
6H	21.1	22.0	21.5	22.4	22.9	21.1	22.1	21.6	22.5	23.0
8H	21.3	22.2	21.7	22.6	23.1	21.3	22.2	21.8	22.7	23.1
12H	21.4	22.2	21.9	22.7	23.2	21.5	22.3	22.0	22.8	23.2
8H 4H	20.7	21.6	21.2	22.1	22.5	20.8	21.7	21.2	22.1	22.6
6H	21.5	22.3	22.0	22.8	23.2	21.6	22.3	22.1	22.8	23.3
8H	21.9	22.5	22.4	23.0	23.5	21.9	22.5	22.4	23.0	23.5
12H	22.1	22.7	22.6	23.2	23.7	22.1	22.7	22.6	23.2	23.7
12H 4H	20.8	21.6	21.3	22.1	22.5	20.8	21.6	21.3	22.1	22.5
6H	21.6	22.3	22.2	22.8	23.3	21.6	22.3	22.2	22.8	23.3
8H	22.0	22.6	22.5	23.1	23.6	22.0	22.6	22.5	23.1	23.6
CIE190: 2010										

CIE190: 2010  
Area: 0.309136 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 19 April 2021

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 42.8%  
Test Distance: 2.500m [K=1.0417]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

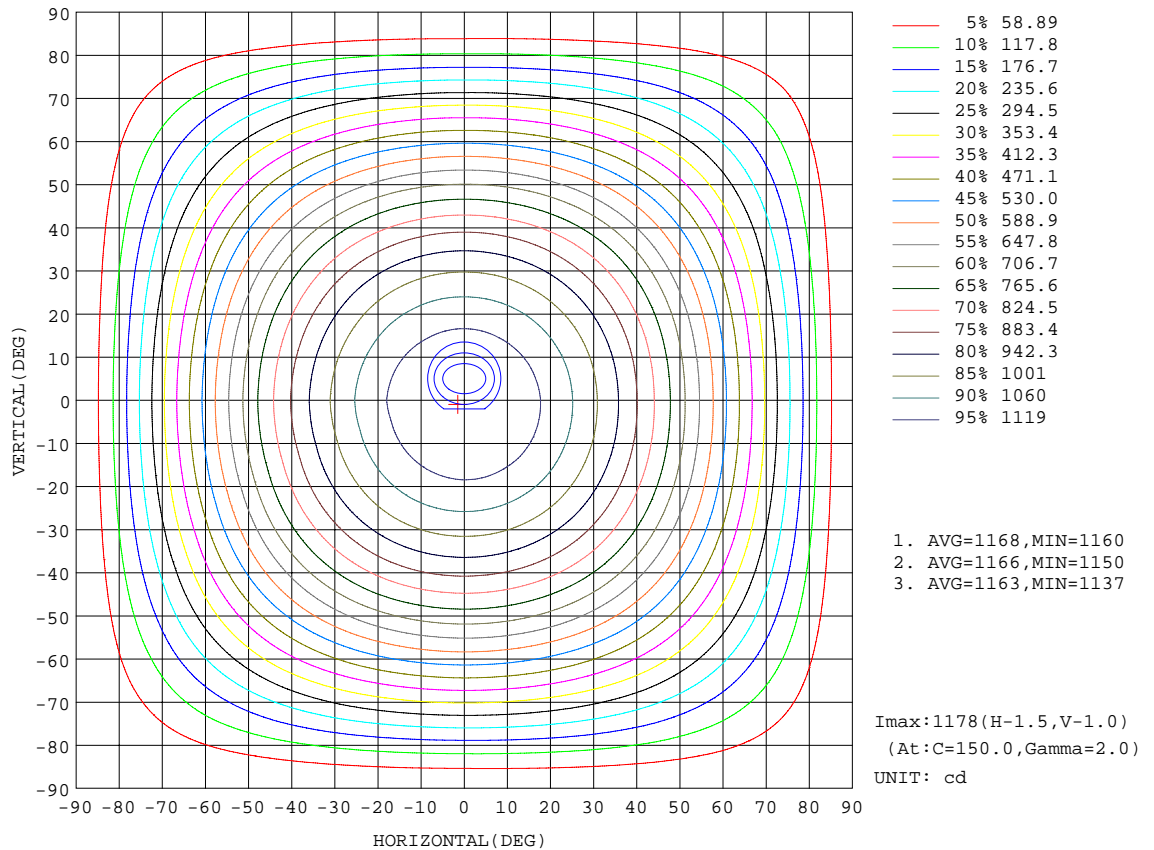
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	96	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	86
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: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



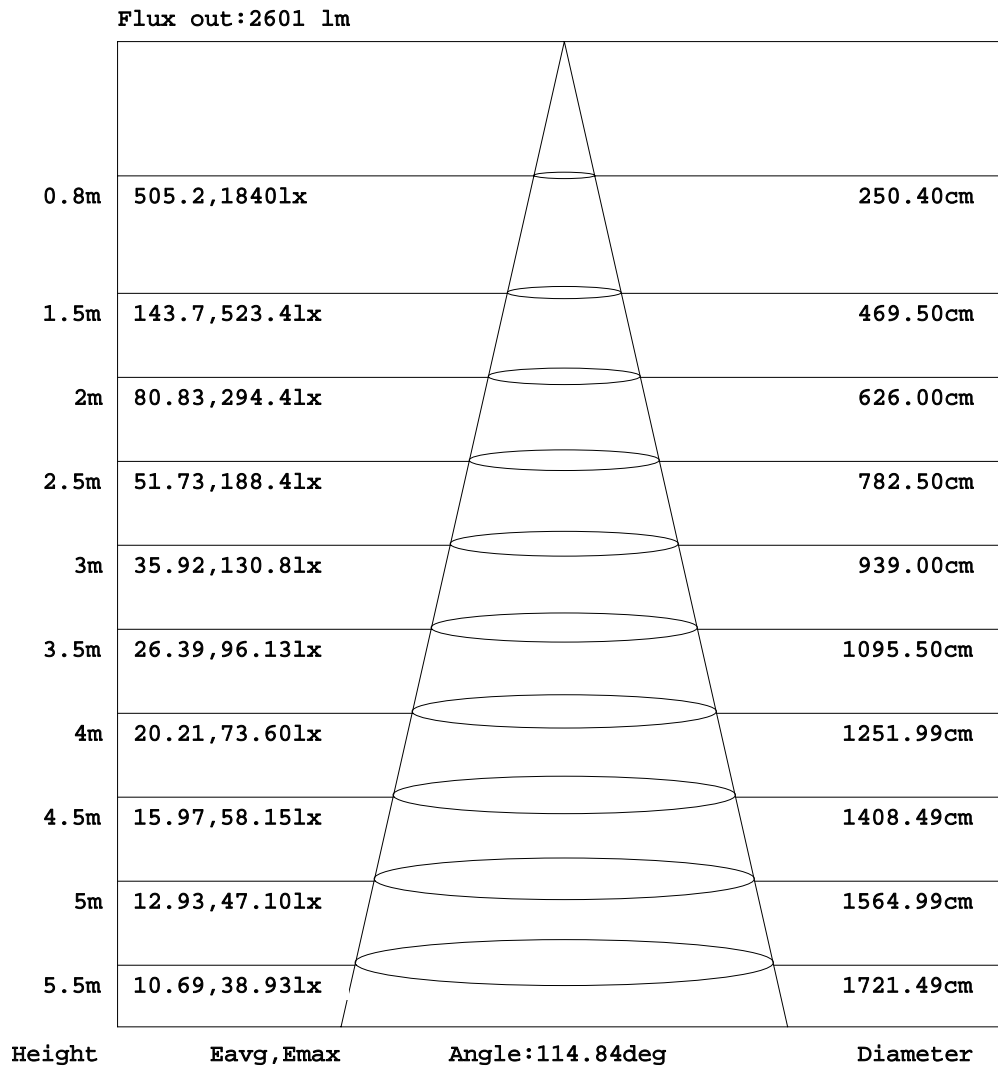
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:



AAI Figure

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



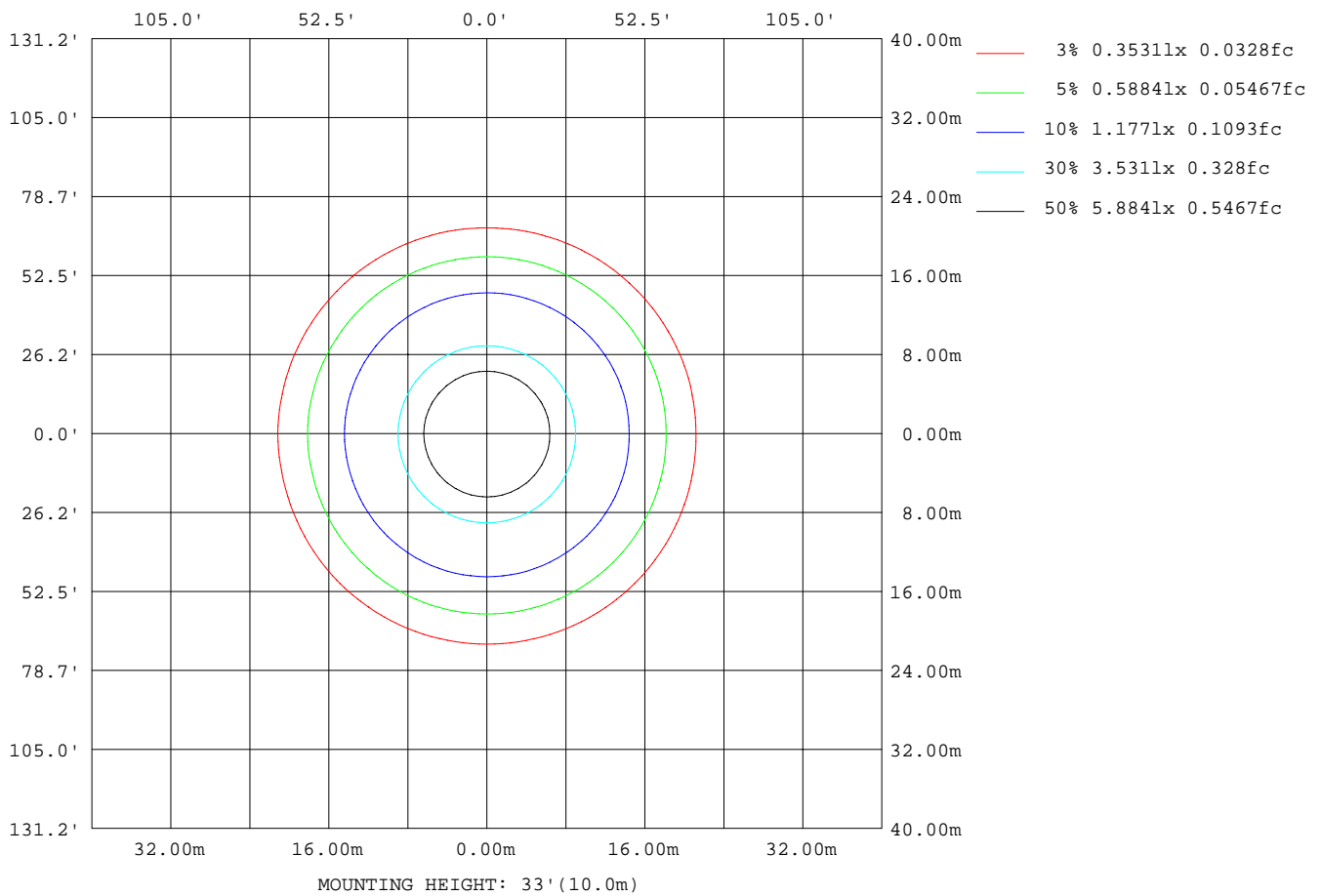
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

## LED Avg.L Report

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

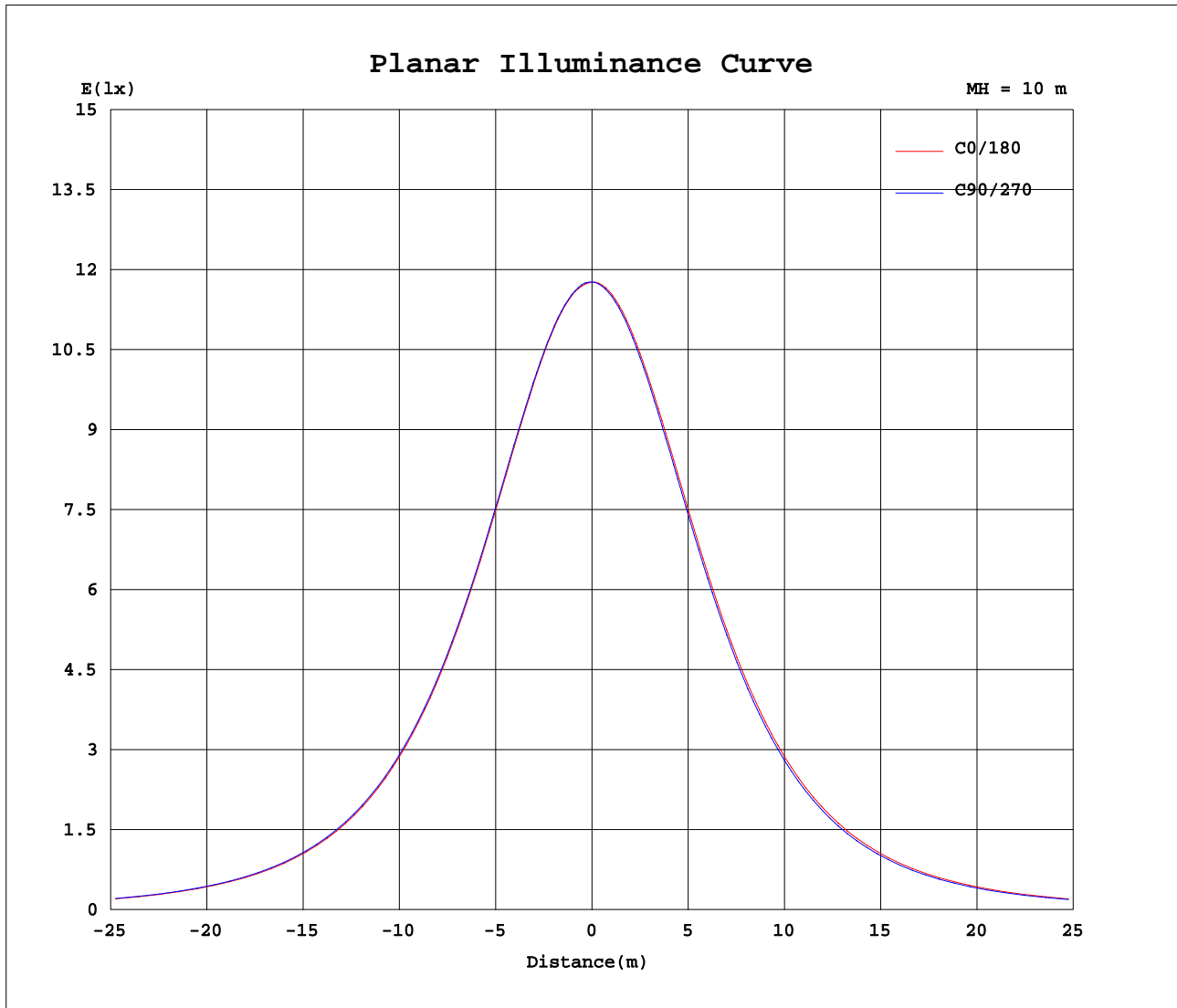
AvgL	cd/m2
L_0~180(65)av	3418
L_0~180(75)av	3052
L_0~180(85)av	2178
L_90~270(65)av	3373
L_90~270(75)av	2973
L_90~270(85)av	1966
L_45(65)av	3400
L_45(75)av	3040
L_45(85)av	2093

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 19 April 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 42.8%  
Test Distance: 2.500m [K=1.0417]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	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	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177
5	1172	1174	1173	1174	1174	1174	1174	1173	1172	1172	1171	1174	1174	1173	1172	1171	1171	1170	1170
10	1159	1160	1160	1161	1161	1161	1162	1161	1160	1159	1158	1159	1160	1158	1156	1155	1155	1154	1155
15	1136	1137	1138	1138	1139	1139	1140	1139	1137	1137	1135	1135	1137	1134	1132	1131	1130	1129	1129
20	1103	1104	1106	1107	1107	1108	1108	1108	1106	1105	1103	1102	1105	1102	1099	1097	1095	1095	1094
25	1061	1063	1065	1067	1067	1068	1068	1067	1066	1064	1062	1061	1064	1060	1057	1054	1052	1051	1051
30	1010	1013	1015	1017	1018	1019	1019	1018	1017	1015	1012	1010	1013	1009	1005	1003	1000	999	998
35	952	955	957	960	960	960	961	960	959	957	954	951	954	950	945	943	940	938	938
40	885	888	891	893	894	895	895	894	893	890	888	884	887	882	878	874	871	869	868
45	810	814	817	820	821	821	821	820	819	816	813	810	812	807	802	798	795	793	792
50	728	733	736	738	739	740	740	738	737	734	731	727	730	725	719	714	711	709	708
55	640	644	648	650	651	651	651	650	649	646	642	639	641	635	630	625	621	618	618
60	545	550	554	557	558	558	557	556	555	552	548	543	546	540	535	530	526	523	522
65	447	452	456	459	459	459	459	458	456	453	449	444	446	441	435	430	426	423	422
70	346	351	356	358	359	358	358	357	355	352	347	342	344	339	334	329	326	322	321
75	246	251	255	258	258	257	256	255	254	250	246	241	242	238	233	229	226	222	220
80	149	154	159	161	160	157	155	154	154	152	148	143	144	140	137	133	129	125	124
85	61.4	66.2	69.6	70.1	69.3	67.1	64.9	64.5	62.3	60.0	58.1	55.2	56.0	53.0	48.9	45.1	43.2	42.1	41.0
90	5.17	6.63	7.23	7.34	4.77	4.71	4.04	6.35	5.44	4.27	3.14	1.79	0.26	0.26	0.27	0.27	0.27	0.26	0.26
95	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.32	0.32	0.32	0.32	0.32	0.32	0.32
100	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.38	0.38	0.38	0.38	0.38	0.38	0.38
105	0.24	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.43	0.42	0.42	0.42	0.42	0.42	0.42
110	0.28	0.26	0.25	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.44	0.44	0.44	0.43	0.43	0.44	0.44
115	0.34	0.31	0.30	0.28	0.28	0.29	0.30	0.30	0.30	0.31	0.32	0.33	0.47	0.46	0.46	0.45	0.45	0.45	0.46
120	0.40	0.37	0.36	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.38	0.39	0.53	0.52	0.52	0.50	0.49	0.49	0.50
125	0.47	0.44	0.41	0.40	0.40	0.38	0.39	0.40	0.41	0.44	0.45	0.45	0.60	0.60	0.59	0.59	0.58	0.58	0.58
130	0.52	0.50	0.48	0.46	0.47	0.46	0.45	0.46	0.48	0.49	0.50	0.51	0.70	0.70	0.69	0.70	0.69	0.69	0.70
135	0.57	0.55	0.53	0.50	0.52	0.54	0.53	0.53	0.54	0.53	0.55	0.56	0.76	0.77	0.77	0.78	0.78	0.77	0.77
140	0.60	0.59	0.57	0.56	0.57	0.59	0.58	0.57	0.58	0.58	0.58	0.59	0.81	0.80	0.81	0.83	0.84	0.83	0.82
145	0.61	0.61	0.59	0.57	0.59	0.60	0.59	0.59	0.60	0.60	0.59	0.60	0.84	0.83	0.84	0.86	0.86	0.86	0.86
150	0.65	0.64	0.62	0.60	0.58	0.60	0.59	0.60	0.61	0.62	0.62	0.63	0.88	0.87	0.88	0.90	0.89	0.88	0.86
155	0.69	0.70	0.68	0.63	0.61	0.63	0.61	0.63	0.65	0.66	0.68	0.68	0.93	0.93	0.93	0.93	0.92	0.91	0.88
160	0.75	0.75	0.71	0.66	0.64	0.65	0.62	0.67	0.69	0.71	0.72	0.73	0.99	0.98	0.96	0.97	0.96	0.95	0.91
165	0.80	0.80	0.78	0.76	0.72	0.71	0.70	0.74	0.77	0.79	0.80	0.80	0.99	0.99	1.00	1.01	1.01	1.00	0.95
170	0.86	0.86	0.85	0.83	0.78	0.79	0.78	0.80	0.83	0.84	0.85	0.86	1.02	1.02	1.04	1.05	1.05	1.04	0.98
175	0.97	0.97	0.96	0.92	0.89	0.88	0.86	0.86	0.90	0.92	0.94	0.95	1.05	1.05	1.05	1.06	1.05	1.04	1.01
180	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.95	0.95	0.95	0.95	0.95	0.95	0.95

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2103A P:25.130W PF:0.9957 Freq:60.00Hz Lamp Flux:3471.7x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1177	1177	1177	1177	1177														
5	1170	1169	1169	1170	1171														
10	1154	1154	1155	1155	1156														
15	1129	1128	1129	1131	1133														
20	1094	1094	1096	1098	1101														
25	1051	1052	1053	1056	1059														
30	999	1000	1002	1005	1009														
35	938	939	942	946	950														
40	869	871	874	879	883														
45	793	795	799	804	809														
50	710	712	716	722	727														
55	619	623	628	633	638														
60	523	527	533	539	544														
65	424	429	435	440	446														
70	324	329	334	340	346														
75	224	229	235	241	247														
80	127	132	139	145	149														
85	43.4	46.0	50.4	56.5	62.2														
90	0.26	0.26	0.26	0.27	0.30														
95	0.32	0.32	0.32	0.32	0.31														
100	0.38	0.38	0.37	0.37	0.37														
105	0.42	0.42	0.42	0.42	0.42														
110	0.44	0.43	0.43	0.43	0.43														
115	0.46	0.45	0.45	0.45	0.45														
120	0.49	0.48	0.49	0.50	0.50														
125	0.57	0.55	0.56	0.56	0.58														
130	0.68	0.66	0.65	0.66	0.67														
135	0.75	0.74	0.73	0.74	0.73														
140	0.79	0.79	0.79	0.80	0.78														
145	0.83	0.82	0.83	0.83	0.81														
150	0.85	0.85	0.87	0.88	0.85														
155	0.88	0.88	0.89	0.94	0.90														
160	0.90	0.90	0.91	0.96	0.93														
165	0.94	0.92	0.92	0.97	0.94														
170	0.96	0.95	0.94	0.99	0.95														
175	0.99	0.98	0.99	1.02	0.97														
180	0.95	0.95	0.95	0.95	0.95														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.8%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks: