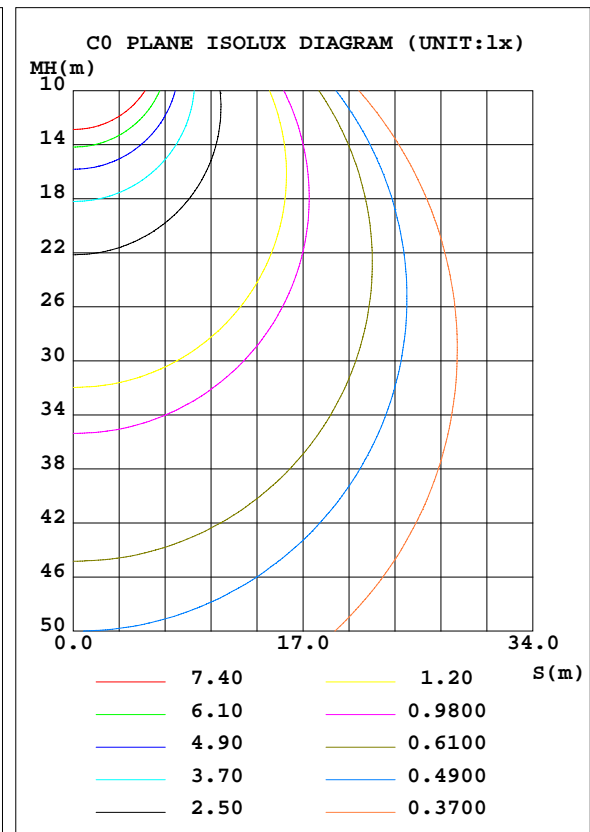
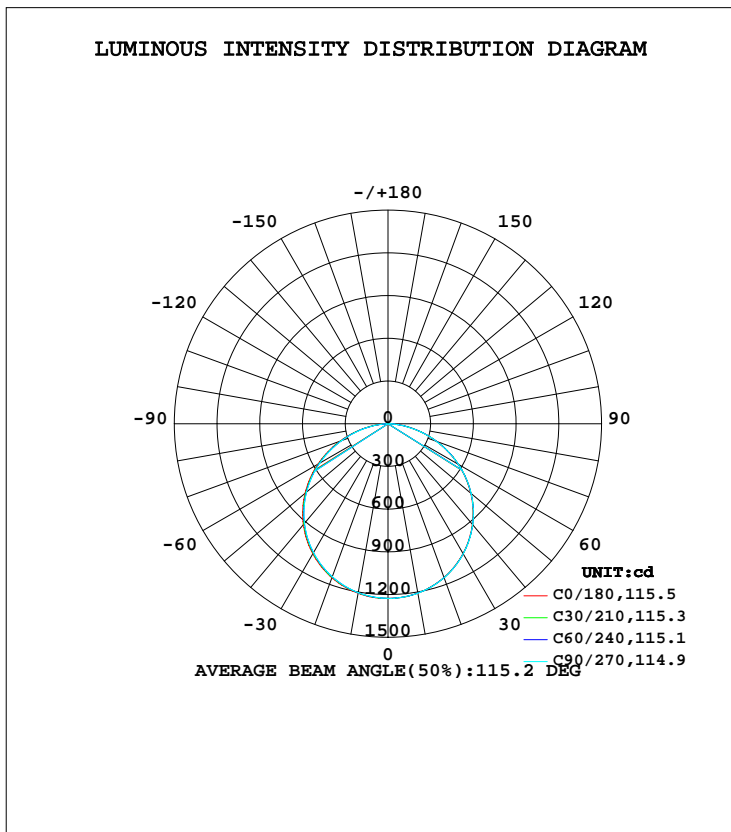


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.10 lm/W			
MODEL	ASD-BLP-22D25AC-EM-PRM	I <sub>max</sub> (cd)	1228	S/MH(C0/180)	1.28
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	3616.9	η UP, DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	3616.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,49.7
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: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1208	1208	1208	1206	1209	1205	1205	1204	0- 10	116.1	116.1	3.21,3.21
20	1149	1151	1151	1149	1152	1146	1144	1145	10- 20	333.7	449.8	12.4,12.4
30	1053	1056	1056	1053	1056	1049	1046	1048	20- 30	509.1	958.8	26.5,26.5
40	921.6	925.3	924.7	922.1	924.8	916.2	912.1	916.4	30- 40	619.5	1578	43.6,43.6
50	758.6	762.6	761.5	758.7	760.4	750.5	746.7	752.9	40- 50	649.3	2228	61.6,61.6
60	568.1	573.0	570.4	567.9	568.6	559.1	553.8	562.6	50- 60	592.9	2821	78,78
70	360.9	365.7	362.1	358.7	358.6	350.6	345.2	355.5	60- 70	457.1	3278	90.6,90.6
80	155.6	161.2	151.2	151.6	149.9	145.8	138.3	151.5	70- 80	266.5	3544	98,98
90	5.388	6.095	2.204	2.294	0.2702	0.2739	0.2688	0.2743	80- 90	69.49	3614	99.9,99.9
100	0.2126	0.1972	0.2000	0.2066	0.4002	0.3902	0.3909	0.3865	90-100	0.3866	3614	99.9,99.9
110	0.2914	0.2556	0.2724	0.2811	0.4625	0.4512	0.4576	0.4498	100-110	0.3537	3614	99.9,99.9
120	0.4162	0.3542	0.3643	0.3852	0.5513	0.5192	0.5122	0.5048	110-120	0.3961	3615	99.9,99.9
130	0.5471	0.4802	0.4817	0.5133	0.7299	0.7191	0.7144	0.6746	120-130	0.4668	3615	100,100
140	0.6291	0.5806	0.6050	0.6056	0.8393	0.8621	0.8489	0.8160	130-140	0.5190	3616	100,100
150	0.6718	0.6260	0.6178	0.6527	0.9211	0.9383	0.9012	0.9087	140-150	0.4695	3616	100,100
160	0.7829	0.6979	0.6506	0.7477	1.026	1.005	0.9449	0.9387	150-160	0.3760	3617	100,100
170	0.8987	0.8747	0.8212	0.8827	1.064	1.088	1.019	0.9703	160-170	0.2546	3617	100,100
180	1.006	1.006	1.006	1.006	0.9955	0.9955	0.9955	0.9955	170-180	0.0943	3617	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1904.6 lm

%lum = 52.7%  
 %lamp = 52.7%

Conical surface Flux(120deg): 2820.5 lm

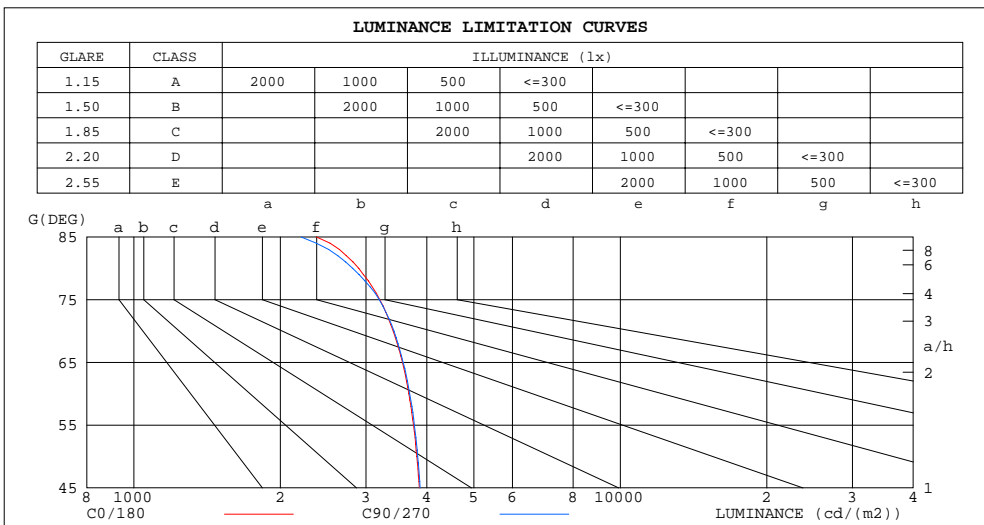
%lum = 78.0%  
 %lamp = 78.0%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2374	2207
80	2899	2817
75	3202	3196
70	3413	3425
65	3565	3578
60	3675	3691
55	3759	3773
50	3817	3832
45	3861	3876

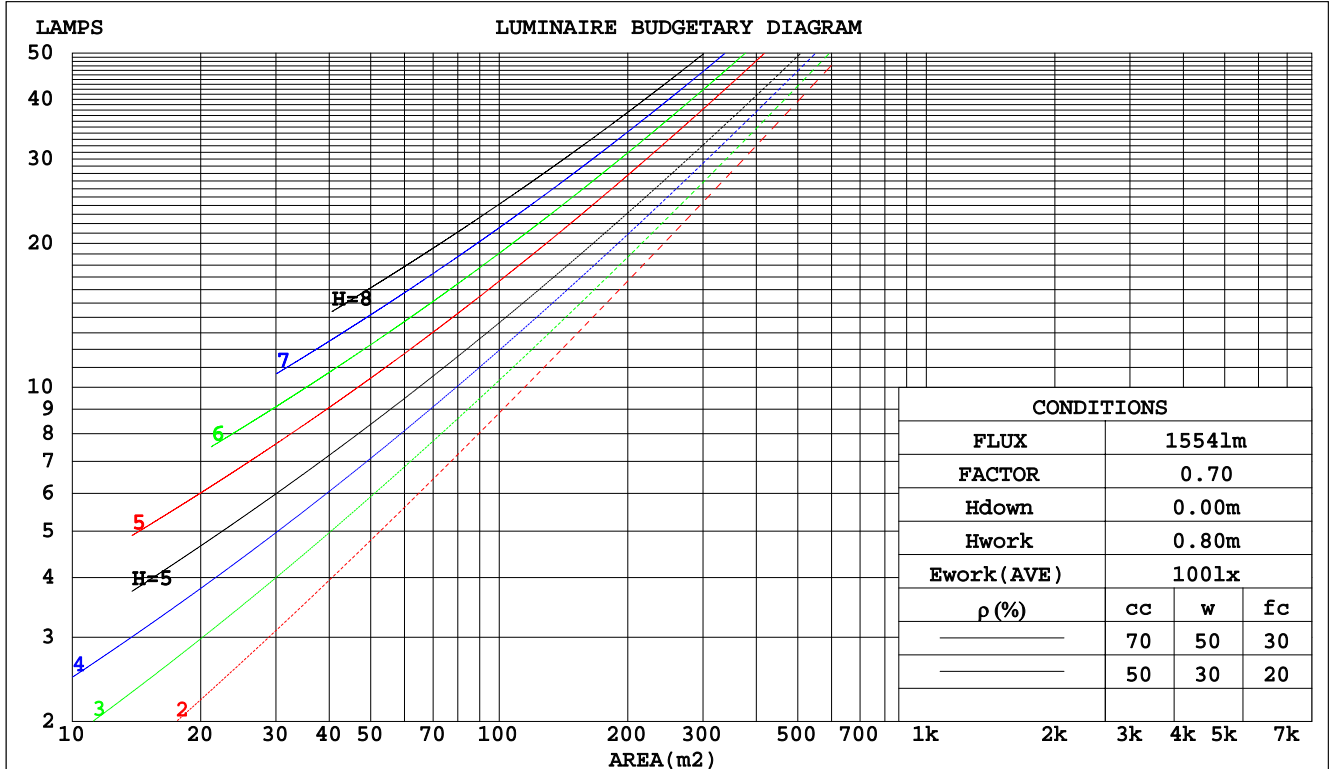
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	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	1.19	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: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	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	.313	.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	.148	.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	.143	.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: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K					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	16.9	18.5	17.2	18.8	19.1	16.8	18.5	17.2	18.8	19.1
3H	18.7	20.2	19.1	20.6	20.9	18.7	20.2	19.1	20.5	20.9
4H	19.4	20.9	19.8	21.2	21.6	19.4	20.8	19.8	21.2	21.6
6H	20.0	21.3	20.4	21.6	22.0	19.9	21.2	20.3	21.6	22.0
8H	20.1	21.4	20.6	21.8	22.2	20.1	21.3	20.5	21.7	22.1
12H	20.3	21.5	20.7	21.8	22.3	20.2	21.4	20.6	21.8	22.2
4H 2H	17.5	18.9	17.9	19.3	19.7	17.5	18.9	17.9	19.3	19.6
3H	19.6	20.8	20.0	21.2	21.6	19.6	20.8	20.0	21.2	21.6
4H	20.5	21.5	20.9	22.0	22.4	20.4	21.5	20.9	21.9	22.3
6H	21.1	22.1	21.6	22.5	23.0	21.1	22.0	21.5	22.4	22.9
8H	21.4	22.2	21.8	22.7	23.1	21.3	22.1	21.7	22.6	23.0
12H	21.5	22.3	22.0	22.8	23.2	21.4	22.2	21.9	22.7	23.1
8H 4H	20.8	21.7	21.3	22.1	22.6	20.7	21.6	21.2	22.1	22.5
6H	21.6	22.3	22.1	22.8	23.3	21.5	22.2	22.0	22.7	23.2
8H	21.9	22.6	22.4	23.1	23.6	21.8	22.4	22.3	22.9	23.4
12H	22.1	22.7	22.6	23.2	23.8	22.0	22.5	22.5	23.0	23.6
12H 4H	20.9	21.6	21.3	22.1	22.6	20.8	21.6	21.3	22.0	22.5
6H	21.7	22.3	22.2	22.8	23.3	21.6	22.2	22.1	22.7	23.2
8H	22.0	22.6	22.5	23.1	23.7	21.9	22.5	22.4	22.9	23.5
CIE190: 2010										

CIE190: 2010  
Area: 0.309136 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
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: 42.6%  
Test Distance: 2.500m [K=1.0417]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

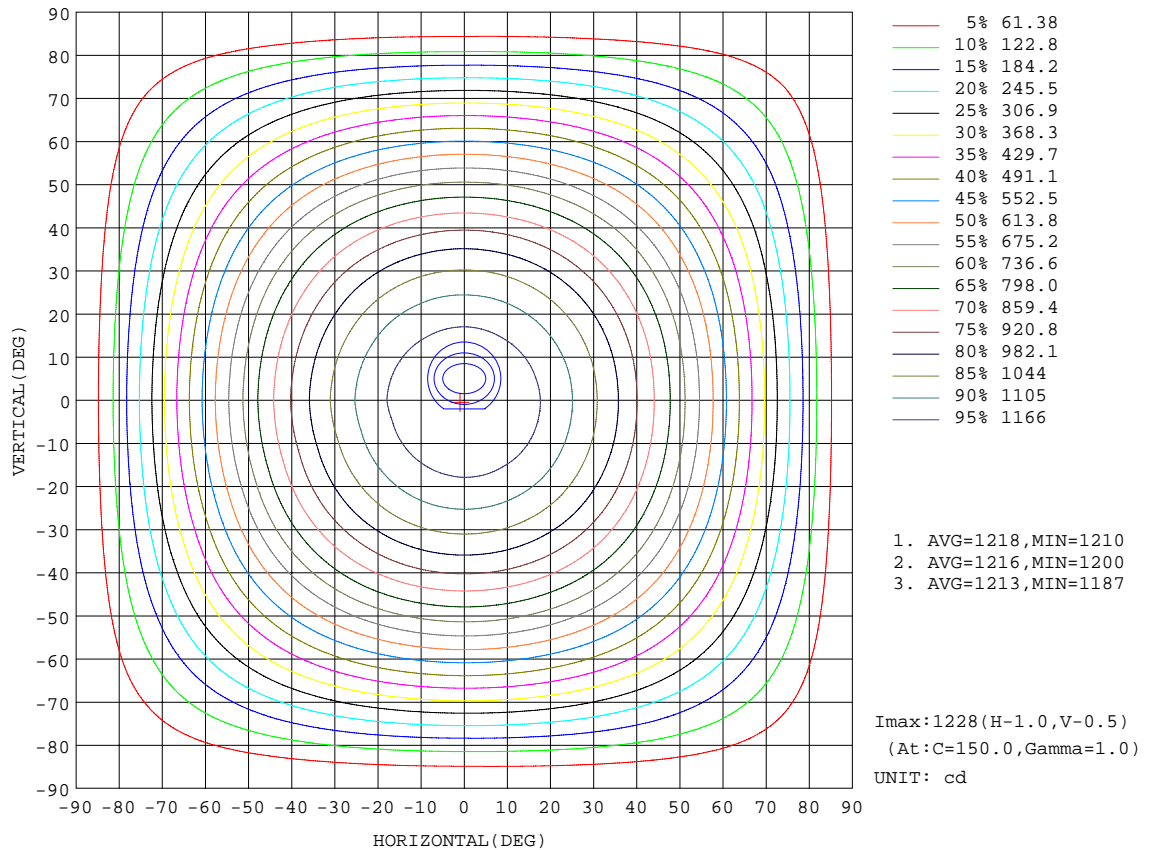
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	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	83
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: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



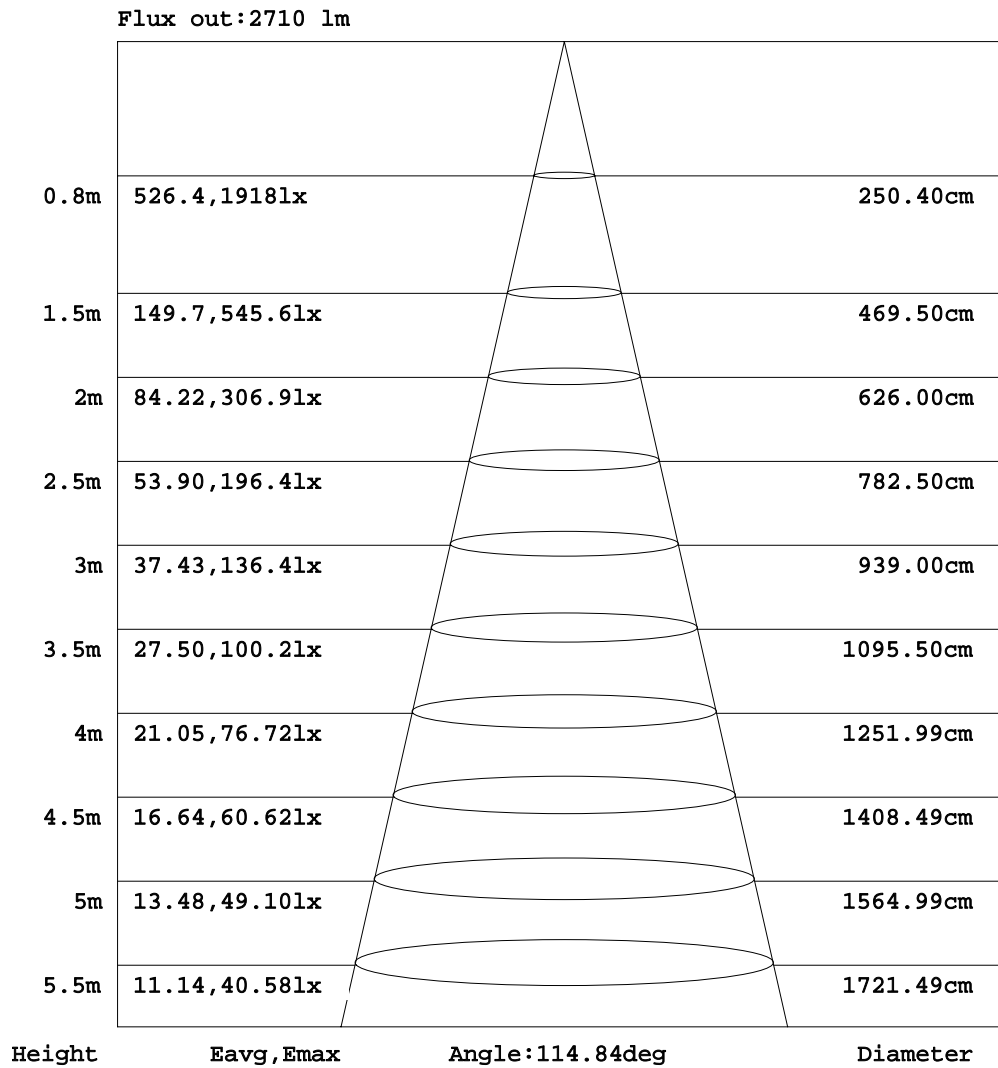
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:



AAI Figure

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



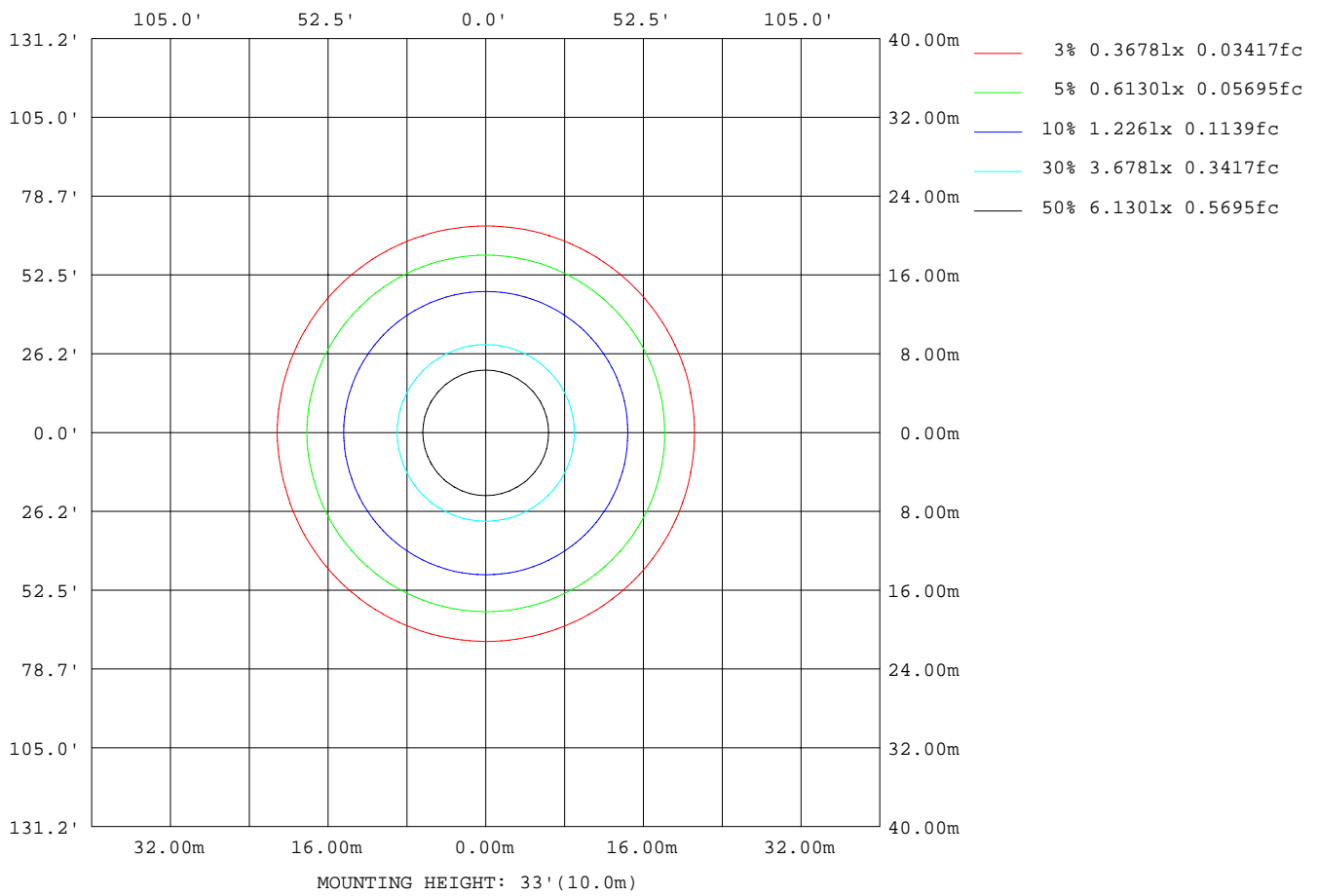
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	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: 19 April 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

## LED Avg.L Report

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

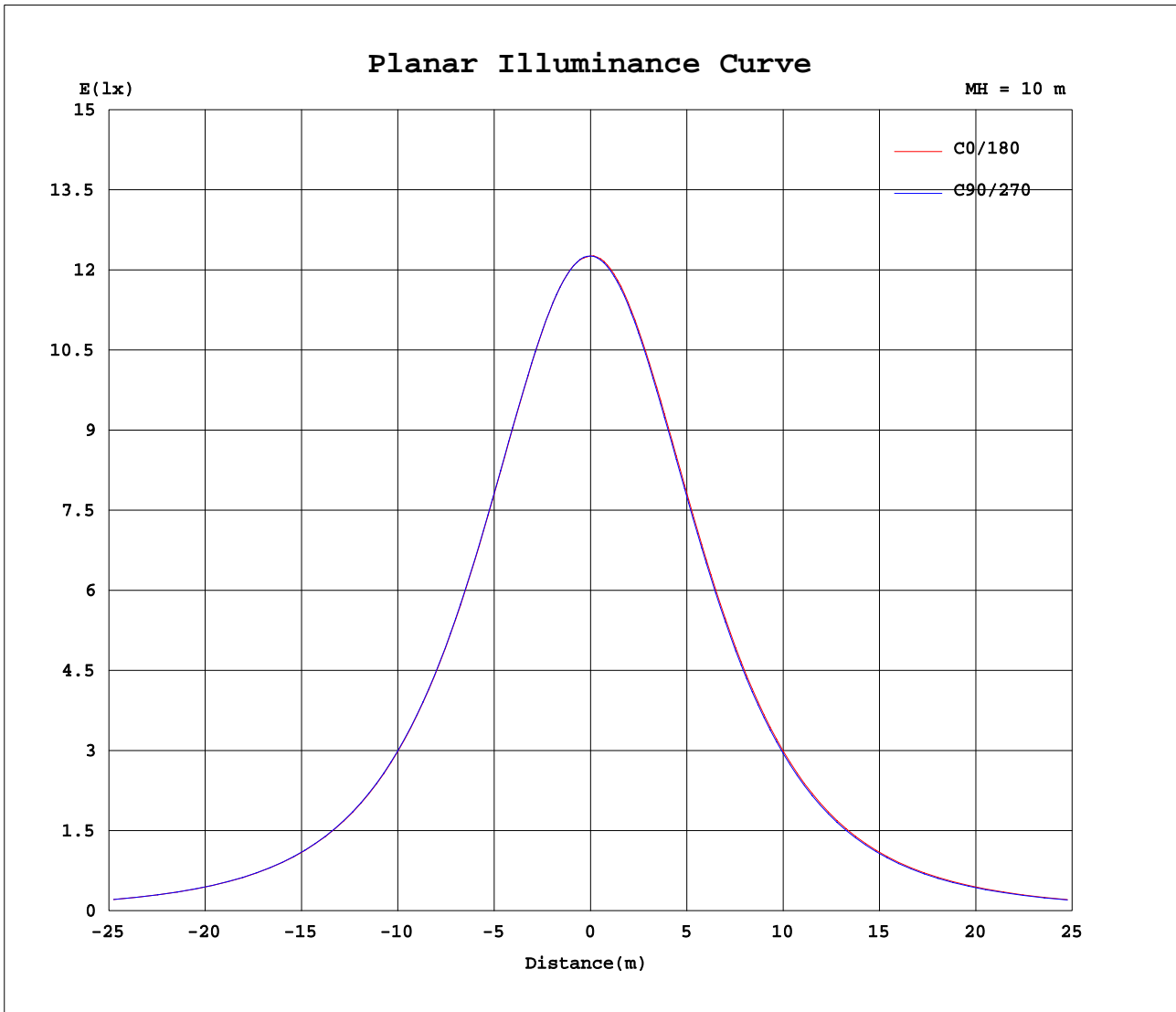
AvgL	cd/m2
L_0~180(65)av	3562
L_0~180(75)av	3179
L_0~180(85)av	2269
L_90~270(65)av	3512
L_90~270(75)av	3099
L_90~270(85)av	2043
L_45(65)av	3542
L_45(75)av	3168
L_45(85)av	2173

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	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	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226
5	1222	1223	1222	1222	1222	1222	1222	1221	1221	1220	1220	1221	1223	1222	1222	1221	1221	1221	1220
10	1208	1208	1208	1208	1208	1208	1208	1208	1206	1206	1206	1206	1209	1207	1206	1205	1205	1205	1205
15	1184	1184	1184	1184	1184	1184	1185	1184	1183	1182	1182	1181	1185	1183	1181	1181	1180	1179	1179
20	1149	1149	1150	1151	1150	1151	1151	1151	1149	1149	1147	1147	1152	1149	1147	1146	1144	1144	1144
25	1106	1106	1107	1108	1108	1108	1108	1107	1107	1106	1105	1104	1109	1106	1103	1102	1100	1100	1099
30	1053	1054	1055	1056	1056	1056	1056	1055	1054	1053	1052	1050	1056	1053	1050	1049	1047	1046	1046
35	992	993	994	995	994	994	994	994	993	992	991	989	994	991	988	987	985	984	984
40	922	924	925	925	925	925	925	925	924	922	921	919	925	921	918	916	914	913	912
45	844	846	848	848	848	847	847	847	846	844	843	841	846	843	840	837	835	834	833
50	759	761	762	763	762	762	761	761	760	759	757	755	760	758	753	750	749	747	747
55	666	668	670	671	670	669	669	668	668	666	665	663	668	664	661	658	655	654	653
60	568	571	572	573	572	571	570	570	569	568	566	563	569	566	562	559	557	554	554
65	466	468	470	470	469	468	467	467	466	465	462	459	465	462	459	456	453	451	450
70	361	363	365	366	365	363	362	361	361	359	356	353	359	356	353	351	349	346	345
75	256	259	261	262	260	258	256	255	255	254	251	248	253	250	248	246	245	241	240
80	156	158	161	161	158	154	151	151	151	152	150	146	150	148	147	146	143	139	138
85	64.0	66.7	68.0	66.6	64.5	61.8	59.5	59.0	57.5	56.4	56.1	55.2	58.3	57.4	55.3	52.8	51.8	51.4	50.6
90	5.39	6.21	6.30	6.10	2.56	2.53	2.20	3.45	2.99	2.29	1.70	1.01	0.27	0.27	0.27	0.27	0.30	0.27	0.27
95	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.33	0.33	0.33	0.33	0.33	0.33	0.33
100	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.40	0.39	0.39	0.39	0.39	0.39	0.39
105	0.25	0.24	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.45	0.44	0.44	0.44	0.44	0.44	0.44
110	0.29	0.28	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.46	0.46	0.45	0.45	0.45	0.45	0.46
115	0.35	0.32	0.31	0.29	0.30	0.31	0.32	0.32	0.32	0.33	0.34	0.34	0.49	0.48	0.48	0.47	0.47	0.47	0.48
120	0.42	0.39	0.37	0.35	0.36	0.36	0.36	0.37	0.37	0.39	0.40	0.40	0.55	0.54	0.53	0.52	0.51	0.51	0.51
125	0.49	0.46	0.43	0.42	0.42	0.41	0.42	0.42	0.43	0.46	0.47	0.47	0.63	0.62	0.61	0.60	0.59	0.59	0.60
130	0.55	0.52	0.50	0.48	0.50	0.49	0.48	0.49	0.51	0.51	0.53	0.54	0.73	0.73	0.72	0.72	0.71	0.71	0.71
135	0.59	0.57	0.56	0.53	0.54	0.57	0.56	0.56	0.56	0.56	0.57	0.58	0.80	0.80	0.80	0.81	0.81	0.80	0.80
140	0.63	0.61	0.59	0.58	0.59	0.61	0.61	0.60	0.61	0.61	0.60	0.62	0.84	0.83	0.84	0.86	0.87	0.86	0.85
145	0.64	0.64	0.62	0.60	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0.88	0.87	0.88	0.90	0.90	0.89	0.90
150	0.67	0.67	0.65	0.63	0.61	0.63	0.62	0.63	0.64	0.65	0.65	0.66	0.92	0.91	0.91	0.94	0.92	0.91	0.90
155	0.72	0.73	0.71	0.66	0.64	0.66	0.64	0.66	0.68	0.69	0.71	0.71	0.97	0.96	0.97	0.96	0.96	0.95	0.91
160	0.78	0.78	0.75	0.70	0.67	0.68	0.65	0.70	0.72	0.75	0.76	0.77	1.03	1.02	1.00	1.00	1.00	0.99	0.94
165	0.83	0.84	0.82	0.80	0.75	0.75	0.74	0.78	0.81	0.83	0.83	0.84	1.03	1.03	1.04	1.04	1.05	1.03	0.98
170	0.90	0.90	0.89	0.87	0.82	0.82	0.82	0.83	0.87	0.88	0.89	0.90	1.06	1.07	1.08	1.09	1.09	1.07	1.02
175	1.01	1.01	1.01	0.98	0.94	0.93	0.91	0.91	0.95	0.97	0.99	0.99	1.10	1.09	1.10	1.10	1.10	1.09	1.05
180	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2101A P:25.100W PF:0.9954 Freq:60.00Hz Lamp Flux:3616.9x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG)\ γ (DEG)	285	300	315	330	345														
0	1226	1226	1226	1226	1226														
5	1220	1219	1219	1220	1220														
10	1204	1204	1204	1205	1205														
15	1179	1178	1179	1180	1181														
20	1144	1144	1145	1147	1148														
25	1099	1100	1101	1103	1105														
30	1046	1046	1048	1051	1053														
35	983	984	986	989	991														
40	913	914	916	919	922														
45	834	836	838	842	845														
50	748	749	753	756	760														
55	655	657	661	664	667														
60	555	558	563	567	570														
65	452	456	460	464	468														
70	347	351	356	360	363														
75	243	248	252	256	260														
80	141	146	151	155	158														
85	52.8	54.8	58.4	63.2	67.0														
90	0.27	0.27	0.27	0.29	0.32														
95	0.33	0.33	0.33	0.33	0.32														
100	0.39	0.39	0.39	0.39	0.38														
105	0.44	0.43	0.43	0.43	0.43														
110	0.45	0.45	0.45	0.45	0.45														
115	0.47	0.46	0.46	0.47	0.47														
120	0.51	0.50	0.50	0.52	0.52														
125	0.58	0.56	0.58	0.58	0.60														
130	0.70	0.68	0.67	0.68	0.70														
135	0.78	0.76	0.76	0.77	0.77														
140	0.82	0.82	0.82	0.83	0.82														
145	0.86	0.85	0.87	0.87	0.86														
150	0.88	0.88	0.91	0.91	0.90														
155	0.91	0.91	0.92	0.98	0.95														
160	0.94	0.93	0.94	0.99	0.99														
165	0.97	0.96	0.96	1.01	1.00														
170	1.00	0.98	0.97	1.02	1.01														
175	1.03	1.03	1.01	1.05	1.04														
180	1.00	1.00	1.00	1.00	1.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 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: 42.6%  
 Test Distance: 2.500m [K=1.0417]  
 Remarks: