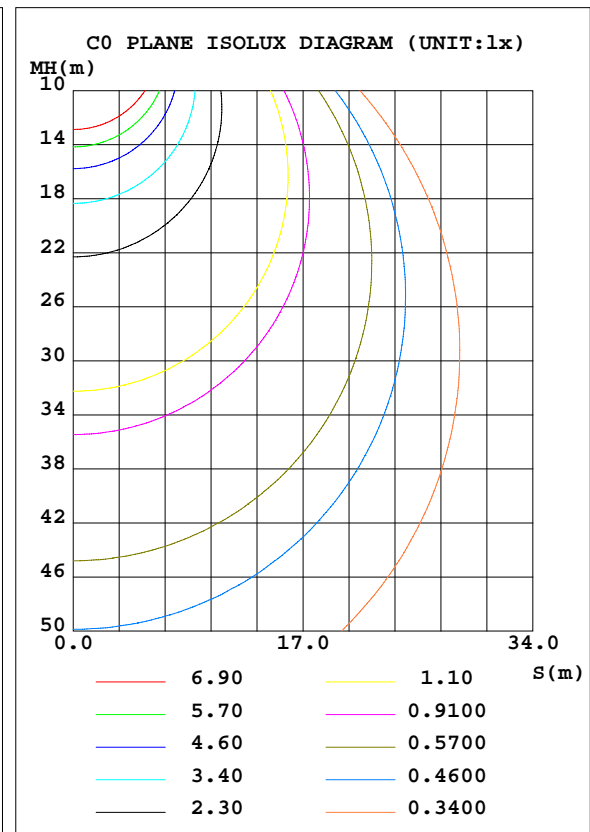
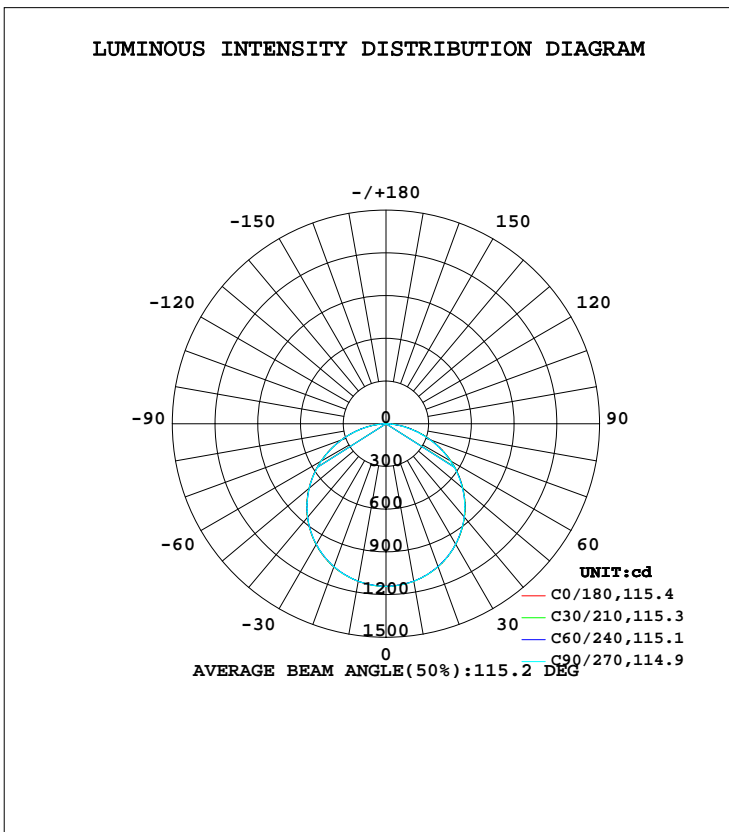


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.05 lm/W			
MODEL	ASD-BLP-22D25AC-EM-PRM	I _{max} (cd)	1142	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)	3250	η UP, DN(C0-180)	0.0,49.8
NOMINAL FLUX(lm)	3250	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.1
LAMPS INSIDE	120	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 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: 42.5%
 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	1123	1123	1123	1123	1124	1123	1124	1124	0- 10	108.1	108.1	3.21,3.21
20	1068	1069	1068	1068	1071	1069	1069	1069	10- 20	310.7	418.8	12.4,12.4
30	978.3	978.7	977.7	977.8	981.5	980.3	979.2	980.3	20- 30	474.0	892.8	26.5,26.5
40	856.4	856.5	854.2	854.5	859.6	857.8	856.5	859.2	30- 40	576.8	1470	43.6,43.6
50	704.9	704.0	700.7	701.5	706.7	704.4	703.7	707.7	40- 50	604.6	2074	61.6,61.6
60	527.9	526.9	521.7	522.6	528.5	527.1	525.2	531.0	50- 60	552.0	2626	78.78
70	335.4	333.5	327.4	327.3	333.3	333.5	331.3	338.4	60- 70	425.6	3052	90.6,90.6
80	144.6	143.6	131.6	134.6	139.3	142.4	137.6	147.9	70- 80	248.1	3300	98.98
90	5.007	4.230	0.1837	0.1338	0.2511	0.2514	0.2465	0.2561	80- 90	64.50	3364	99.9,99.9
100	0.1977	0.1857	0.1893	0.1950	0.3719	0.3597	0.3586	0.3567	90-100	0.2968	3365	99.9,99.9
110	0.2710	0.2394	0.2576	0.2642	0.4298	0.4195	0.4253	0.4184	100-110	0.3295	3365	99.9,99.9
120	0.3873	0.3348	0.3434	0.3648	0.5121	0.4782	0.4718	0.4677	110-120	0.3694	3365	99.9,99.9
130	0.5092	0.4490	0.4577	0.4815	0.6783	0.6619	0.6515	0.6220	120-130	0.4339	3366	100,100
140	0.5853	0.5411	0.5665	0.5667	0.7797	0.7992	0.7839	0.7542	130-140	0.4831	3366	100,100
150	0.6240	0.5856	0.5829	0.6117	0.8554	0.8735	0.8413	0.8463	140-150	0.4371	3367	100,100
160	0.7274	0.6569	0.6101	0.7041	0.9524	0.9329	0.8769	0.8690	150-160	0.3506	3367	100,100
170	0.8346	0.8285	0.7707	0.8260	0.9884	1.010	0.9435	0.8888	160-170	0.2377	3367	100,100
180	0.9595	0.9763	0.9365	0.9385	0.9611	0.9763	0.9330	0.9213	170-180	0.0882	3367	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1773.4 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 2626.2 lm

%lum = 78.0%

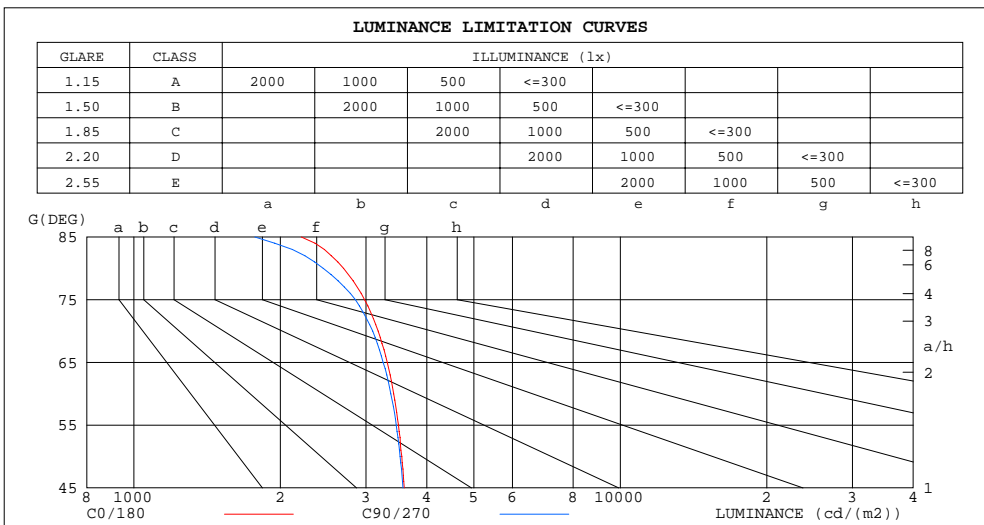
%lamp = 78.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 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: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2209	1773
80	2699	2451
75	2981	2853
70	3178	3096
65	3319	3254
60	3422	3375
55	3499	3463
50	3554	3526
45	3595	3574

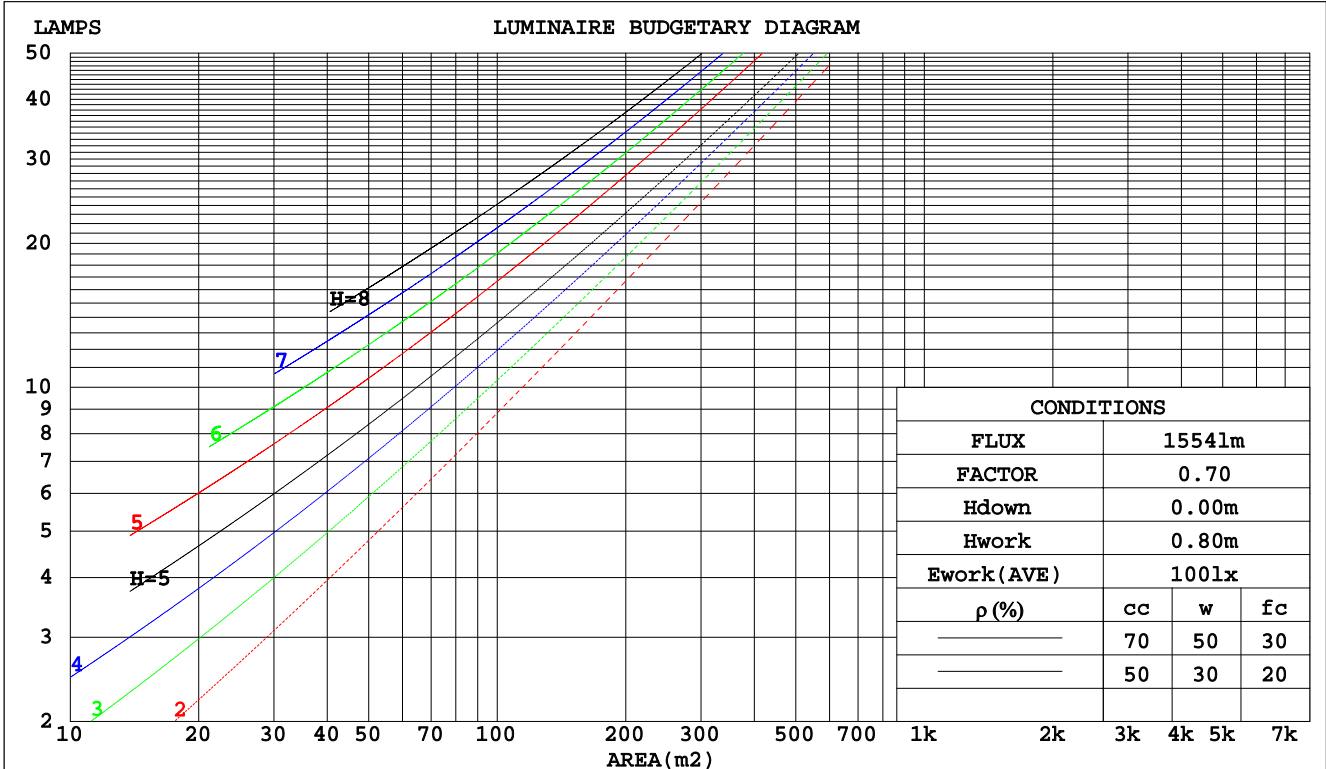
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 19 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	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: 24.8DEG
 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: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	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	.055	.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	.022	.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: 24.8DEG
 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: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K					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	16.6	18.2	16.9	18.5	18.9	16.5	18.1	16.9	18.5	18.8
3H	18.5	19.9	18.8	20.3	20.6	18.3	19.8	18.7	20.1	20.5
4H	19.2	20.6	19.6	20.9	21.3	19.0	20.4	19.4	20.8	21.1
6H	19.7	21.0	20.1	21.4	21.8	19.5	20.8	19.9	21.1	21.5
8H	19.9	21.1	20.3	21.5	21.9	19.6	20.9	20.0	21.3	21.7
12H	20.0	21.2	20.4	21.5	22.0	19.7	20.9	20.1	21.3	21.7
4H 2H	17.2	18.6	17.6	19.0	19.4	17.1	18.6	17.5	18.9	19.3
3H	19.3	20.5	19.7	20.9	21.3	19.2	20.4	19.6	20.8	21.2
4H	20.2	21.2	20.6	21.7	22.1	20.0	21.1	20.4	21.5	21.9
6H	20.8	21.8	21.3	22.2	22.7	20.6	21.5	21.0	22.0	22.4
8H	21.0	21.9	21.5	22.4	22.8	20.8	21.6	21.2	22.1	22.6
12H	21.2	22.0	21.7	22.5	22.9	20.9	21.7	21.4	22.1	22.6
8H 4H	20.5	21.4	21.0	21.8	22.3	20.3	21.2	20.8	21.6	22.1
6H	21.3	22.0	21.8	22.5	23.0	21.0	21.8	21.5	22.2	22.7
8H	21.6	22.2	22.1	22.7	23.2	21.3	21.9	21.8	22.4	22.9
12H	21.8	22.4	22.3	22.9	23.4	21.4	22.0	21.9	22.5	23.1
12H 4H	20.5	21.3	21.0	21.8	22.3	20.4	21.1	20.8	21.6	22.1
6H	21.3	22.0	21.9	22.5	23.0	21.1	21.7	21.6	22.2	22.7
8H	21.7	22.3	22.2	22.8	23.3	21.4	21.9	21.9	22.4	23.0
CIE190: 2010										

CIE190: 2010
Area: 0.309136 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
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: 42.5%
Test Distance: 2.500m [K=1.0417]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

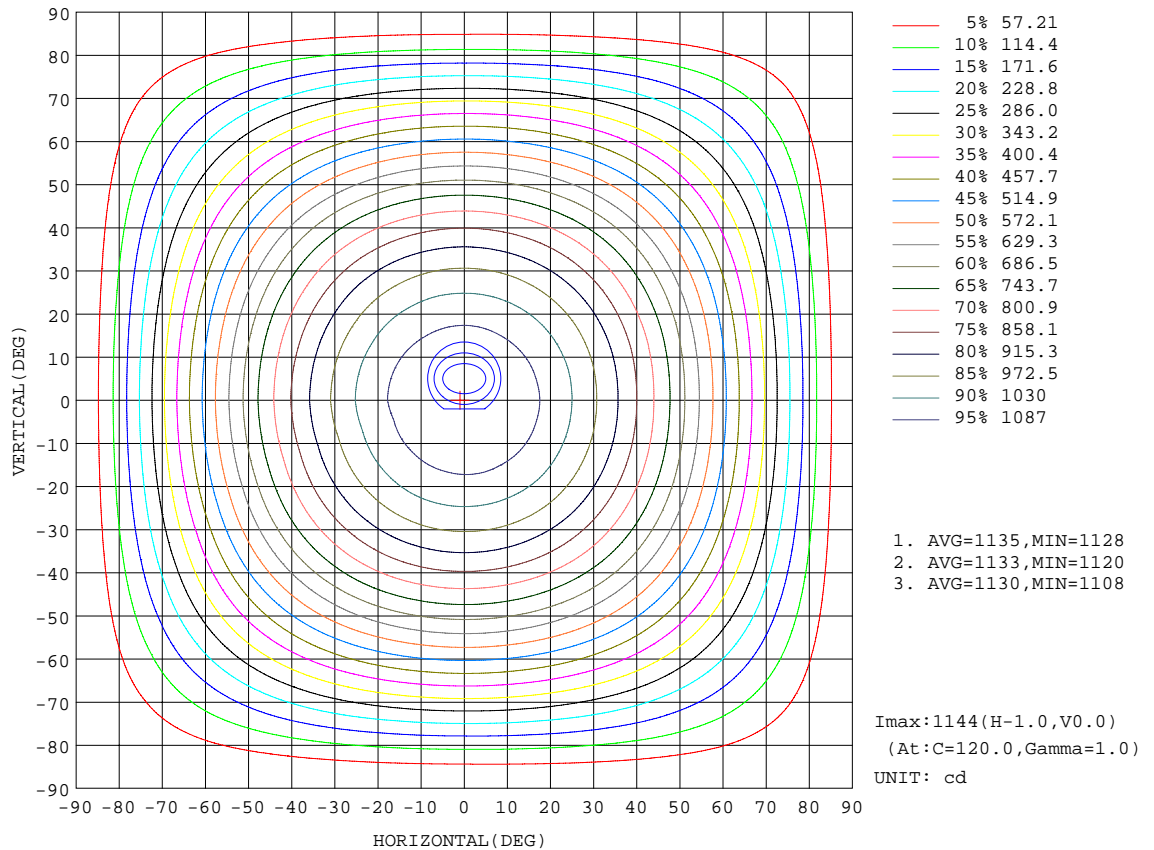
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	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	64	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: 24.8DEG
 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: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

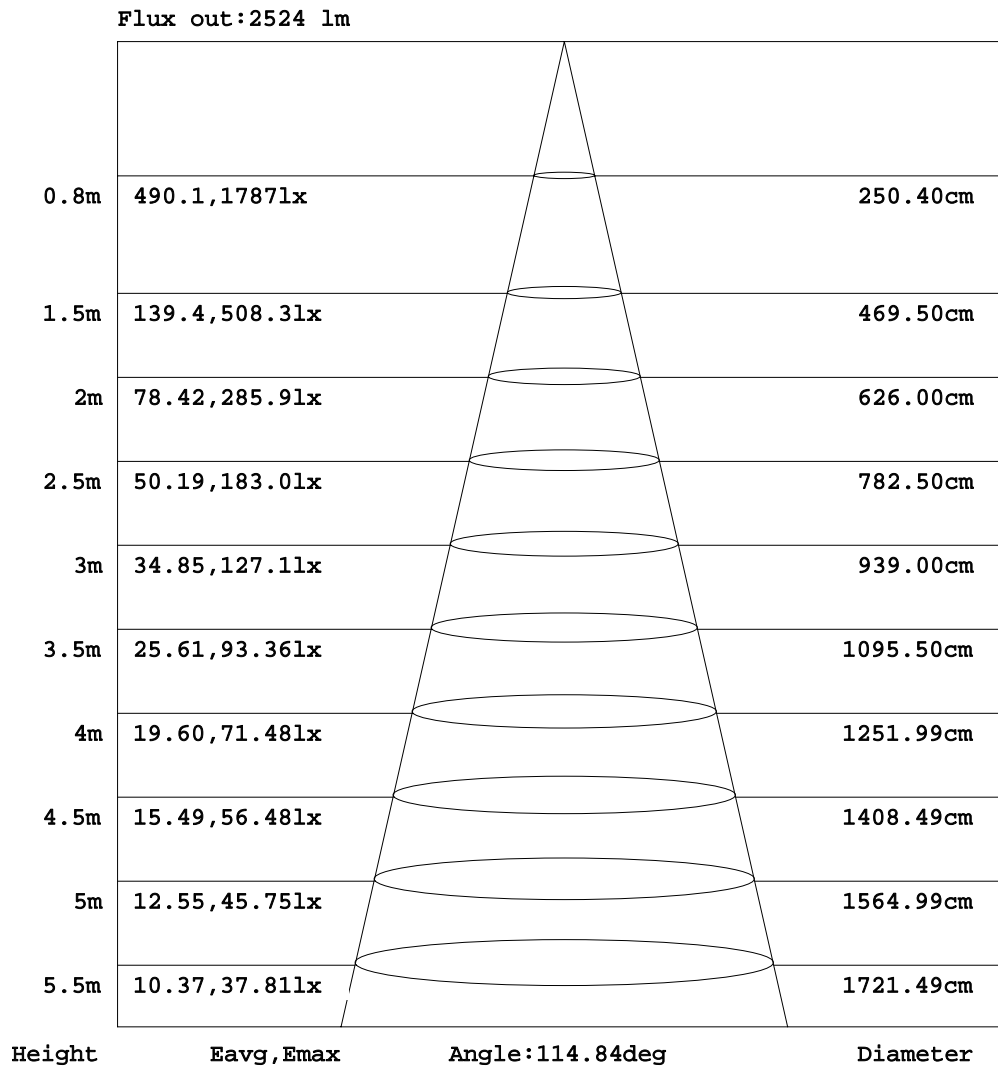


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 19 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

AAI Figure

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



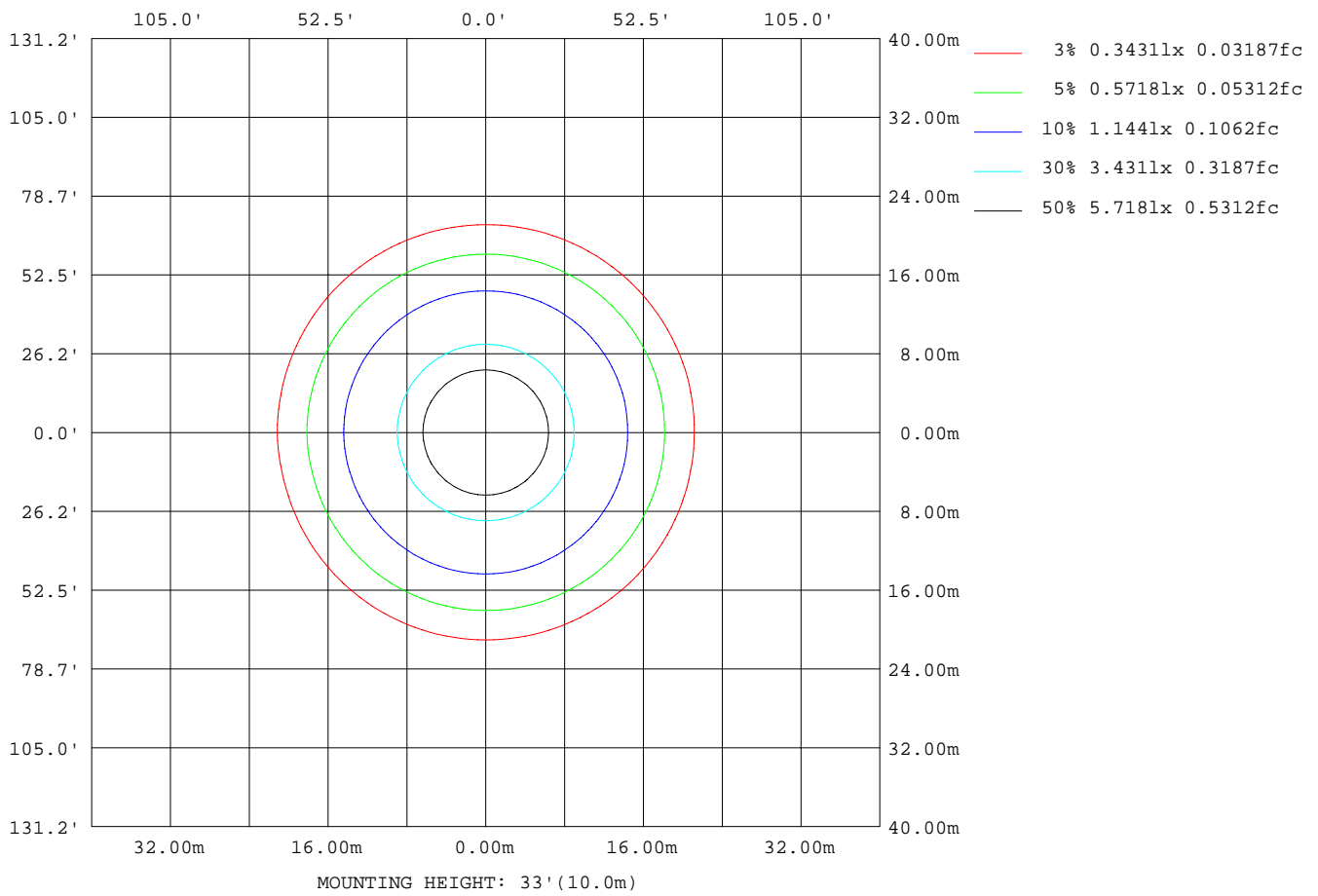
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 19 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	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: 19 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

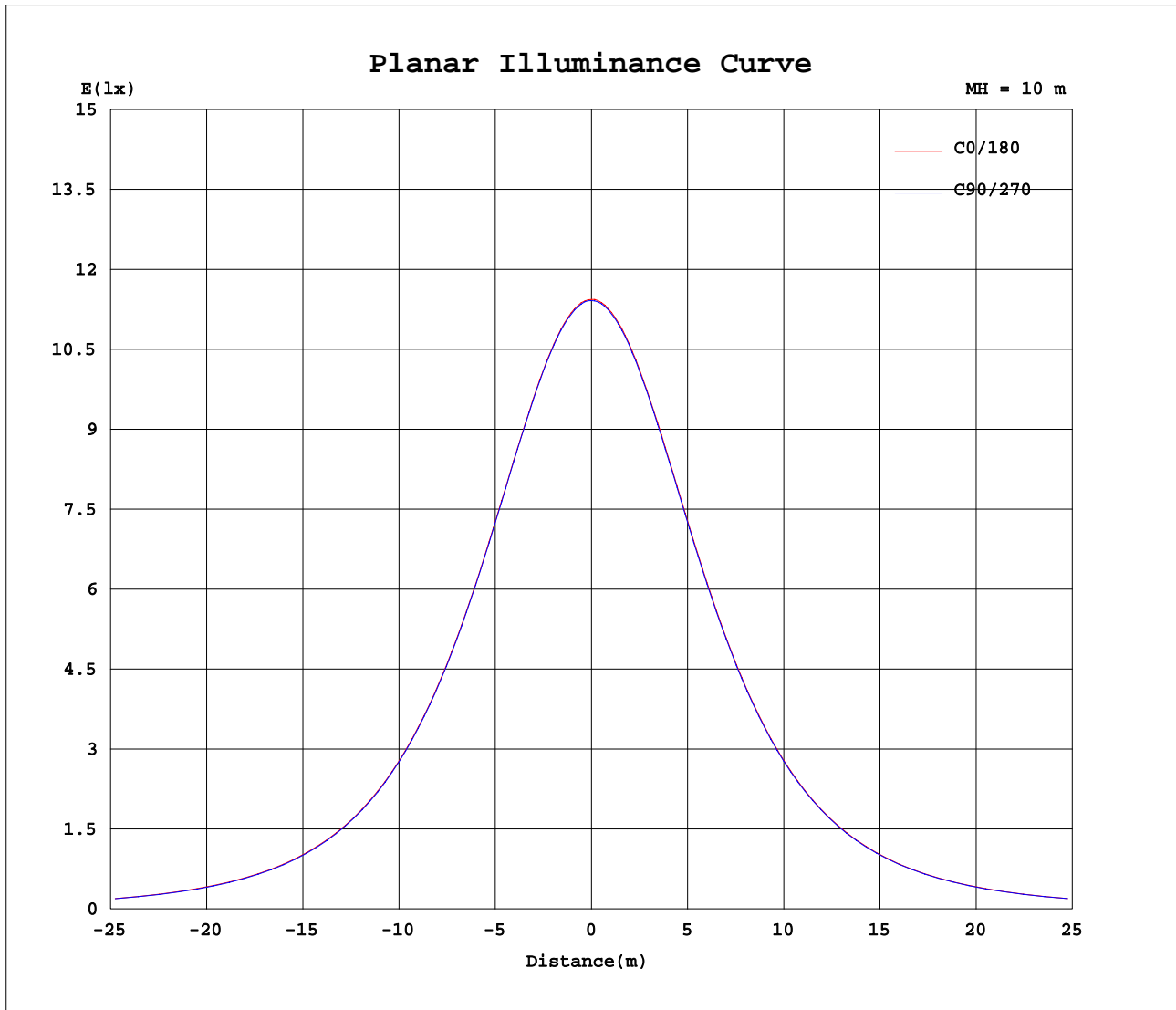
AvgL	cd/m2
L_0~180(65)av	3310
L_0~180(75)av	2955
L_0~180(85)av	2108
L_90~270(65)av	3268
L_90~270(75)av	2886
L_90~270(85)av	1900
L_45(65)av	3299
L_45(75)av	2951
L_45(85)av	2018

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
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: 42.5%
Test Distance: 2.500m [K=1.0417]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 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: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	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	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
5	1137	1136	1137	1137	1136	1137	1137	1137	1138	1137	1137	1136	1137	1137	1137	1137	1137	1137	1137
10	1123	1122	1123	1123	1122	1123	1123	1123	1124	1123	1123	1123	1124	1123	1123	1123	1123	1123	1124
15	1101	1100	1100	1100	1099	1100	1100	1100	1101	1100	1100	1099	1102	1101	1100	1101	1100	1100	1100
20	1068	1068	1069	1069	1067	1068	1068	1069	1069	1068	1068	1067	1071	1069	1069	1069	1068	1069	1069
25	1028	1028	1028	1029	1027	1027	1027	1027	1029	1027	1028	1027	1030	1030	1029	1029	1028	1028	1028
30	978	979	979	979	977	978	978	978	979	978	978	976	982	981	980	980	979	979	979
35	922	922	921	922	920	919	920	920	921	921	921	920	924	923	923	923	922	921	922
40	856	857	857	856	855	854	854	855	856	855	855	854	860	859	858	858	856	856	857
45	784	785	785	784	782	781	781	782	782	782	781	782	786	786	785	785	784	783	784
50	705	706	705	704	702	701	701	701	702	701	701	701	707	707	705	704	704	704	704
55	619	619	619	618	616	615	614	614	615	615	615	615	621	620	619	619	617	617	617
60	528	528	527	527	524	523	522	522	523	523	523	522	528	529	528	527	526	525	525
65	433	433	432	431	428	426	425	425	426	426	426	425	432	432	432	431	430	429	429
70	335	335	335	334	331	328	327	327	328	327	327	327	333	333	333	333	333	331	331
75	238	238	238	237	234	230	228	228	230	229	229	228	235	235	236	236	236	234	234
80	145	145	145	144	139	134	132	131	133	135	135	134	139	140	141	142	141	138	138
85	59.4	59.8	59.0	55.9	52.8	50.0	47.8	47.4	46.8	46.9	47.9	49.2	54.2	55.3	55.3	54.6	54.8	55.0	54.6
90	5.01	5.13	4.71	4.23	0.14	0.13	0.18	0.25	0.29	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.29	0.25	0.25
95	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.31	0.31	0.31	0.31	0.30	0.30	0.30
100	0.20	0.19	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.37	0.36	0.36	0.36	0.36	0.36	0.36
105	0.23	0.22	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.42	0.41	0.41	0.40	0.40	0.41	0.41
110	0.27	0.26	0.25	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.43	0.43	0.42	0.42	0.42	0.42	0.43
115	0.33	0.30	0.29	0.28	0.28	0.29	0.30	0.30	0.30	0.31	0.32	0.32	0.46	0.45	0.44	0.43	0.43	0.44	0.44
120	0.39	0.36	0.35	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.38	0.38	0.51	0.50	0.49	0.48	0.47	0.47	0.47
125	0.45	0.43	0.41	0.40	0.40	0.38	0.40	0.40	0.41	0.43	0.44	0.44	0.58	0.57	0.56	0.56	0.54	0.54	0.54
130	0.51	0.49	0.47	0.45	0.47	0.46	0.46	0.46	0.48	0.48	0.49	0.50	0.68	0.68	0.66	0.66	0.66	0.65	0.65
135	0.55	0.53	0.52	0.49	0.51	0.53	0.52	0.52	0.53	0.52	0.54	0.54	0.74	0.74	0.74	0.75	0.75	0.74	0.74
140	0.59	0.57	0.56	0.54	0.55	0.57	0.57	0.56	0.57	0.57	0.56	0.57	0.78	0.77	0.78	0.80	0.81	0.79	0.78
145	0.59	0.59	0.58	0.56	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.82	0.80	0.82	0.83	0.83	0.83	0.83
150	0.62	0.63	0.61	0.59	0.56	0.59	0.58	0.59	0.60	0.61	0.61	0.61	0.86	0.84	0.85	0.87	0.86	0.85	0.84
155	0.67	0.68	0.67	0.62	0.60	0.62	0.59	0.62	0.64	0.65	0.67	0.66	0.90	0.89	0.90	0.89	0.89	0.88	0.85
160	0.73	0.73	0.70	0.66	0.62	0.64	0.61	0.66	0.68	0.70	0.71	0.71	0.95	0.95	0.93	0.93	0.93	0.91	0.88
165	0.77	0.78	0.77	0.76	0.71	0.71	0.70	0.74	0.77	0.78	0.78	0.78	0.96	0.96	0.96	0.97	0.97	0.96	0.91
170	0.83	0.84	0.83	0.83	0.76	0.77	0.77	0.77	0.82	0.83	0.83	0.84	0.99	0.99	1.00	1.01	1.01	1.00	0.94
175	0.93	0.95	0.95	0.94	0.89	0.88	0.86	0.86	0.91	0.92	0.93	0.93	1.02	1.02	1.03	1.03	1.02	1.01	0.98
180	0.96	0.97	0.97	0.98	0.95	0.94	0.94	0.90	0.92	0.94	0.93	0.94	0.96	0.96	0.97	0.98	0.98	0.96	0.93

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 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: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2105A P:25.120W PF:0.9945 Freq:60.00Hz Lamp Flux:3250x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-BLP-22D25AC-EM-PRM-3500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1142	1142	1142	1142	1142														
5	1137	1138	1137	1138	1137														
10	1123	1124	1124	1124	1123														
15	1101	1101	1100	1102	1102														
20	1069	1070	1069	1071	1071														
25	1028	1030	1030	1030	1031														
30	980	981	980	982	983														
35	922	924	924	925	926														
40	857	859	859	860	861														
45	784	786	787	788	790														
50	704	706	708	709	710														
55	618	621	622	624	624														
60	526	529	531	533	533														
65	431	434	436	437	439														
70	333	336	338	340	341														
75	236	239	242	243	244														
80	140	144	148	149	150														
85	56.4	57.8	60.0	62.9	64.6														
90	0.25	0.25	0.26	0.27	0.31														
95	0.30	0.30	0.30	0.30	0.30														
100	0.36	0.36	0.36	0.36	0.36														
105	0.40	0.40	0.40	0.40	0.41														
110	0.42	0.42	0.42	0.41	0.42														
115	0.44	0.43	0.43	0.43	0.44														
120	0.47	0.46	0.47	0.48	0.49														
125	0.53	0.52	0.53	0.53	0.56														
130	0.64	0.63	0.62	0.63	0.66														
135	0.72	0.71	0.70	0.71	0.72														
140	0.76	0.76	0.75	0.77	0.78														
145	0.79	0.79	0.80	0.80	0.81														
150	0.82	0.82	0.85	0.85	0.85														
155	0.85	0.85	0.85	0.91	0.90														
160	0.87	0.87	0.87	0.92	0.95														
165	0.90	0.90	0.89	0.94	0.95														
170	0.93	0.91	0.89	0.95	0.97														
175	0.96	0.97	0.93	0.98	1.00														
180	0.94	0.91	0.92	0.94	0.94														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 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: 42.5%
 Test Distance: 2.500m [K=1.0417]
 Remarks: