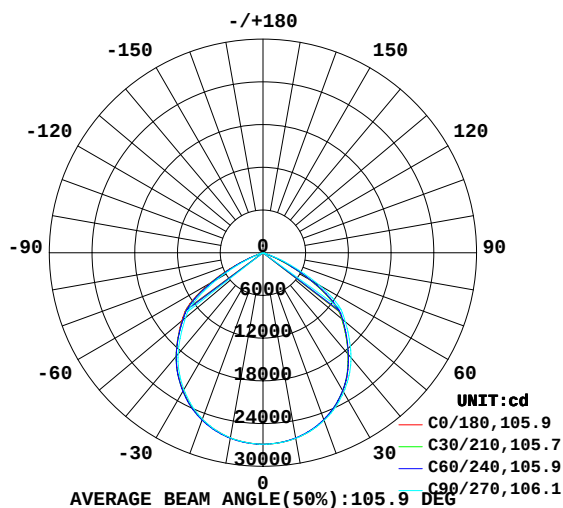


LUMINAIRE PHOTOMETRIC TEST REPORT

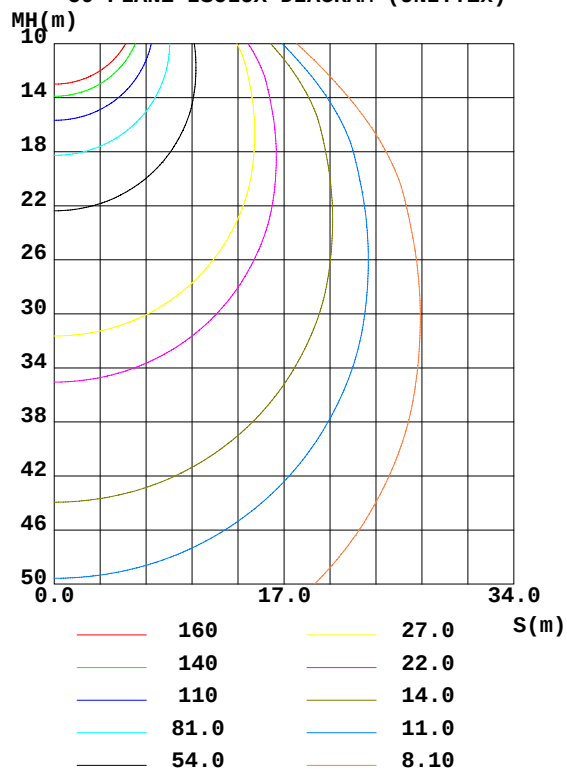
Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.36 lm/W			
MODEL	ASD-UHB2-400D50-PRM	I _{max} (cd)	26899	S/MH(C0/180)	1.24
NOMINAL POWER(W)	400	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	60000	η UP, DN(C0-180)	0.0, 51.0
NOMINAL FLUX(lm)	60000	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 48.9
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2646	2643	2647	2644	2639	2644	2639	2640	0- 10	2545	2545	4.12, 4.12
20	2501	2496	2508	2504	2491	2501	2486	2487	10- 20	7286	9831	15.9, 15.9
30	2241	2238	2264	2263	2241	2248	2221	2221	20- 30	10971	20802	33.7, 33.7
40	1860	1861	1923	1937	1896	1898	1855	1840	30- 40	12969	33772	54.7, 54.7
50	1443	1453	1509	1522	1487	1471	1420	1415	40- 50	12915	46687	75.6, 75.6
60	769.5	783.5	919.3	960.3	868.2	830.3	730.4	715.6	50- 60	10620	57307	92.8, 92.8
70	62.58	78.35	145.2	158.3	99.02	86.79	58.85	46.44	60- 70	4146	61453	99.5, 99.5
80	5.826	6.023	6.314	5.982	5.742	6.334	5.747	5.286	70- 80	228.7	61682	99.8, 99.8
90	2.229	2.255	2.175	0.9325	0.1645	0.3695	0.6431	1.058	80- 90	35.99	61718	99.9, 99.9
100	0.2512	0.1706	0.1530	0.1499	0.3375	0.3458	0.3986	0.4133	90-100	4.891	61723	99.9, 99.9
110	0.3296	0.3511	0.3654	0.3181	0.5948	0.6141	0.6603	0.6725	100-110	4.131	61727	99.9, 99.9
120	0.5259	0.5283	0.5446	0.5431	0.8220	0.8640	0.9473	0.9427	110-120	5.833	61733	99.9, 99.9
130	0.8886	0.8382	0.8567	0.8548	1.354	1.404	1.536	1.404	120-130	8.200	61741	99.9, 99.9
140	1.290	1.225	1.214	1.234	1.768	1.918	2.000	1.903	130-140	10.51	61751	100, 100
150	1.567	1.493	1.563	1.498	2.180	2.316	2.400	2.282	140-150	10.99	61762	100, 100
160	1.906	1.824	1.765	1.851	2.617	2.638	2.558	2.554	150-160	9.527	61772	100, 100
170	2.185	2.165	2.017	2.126	2.733	2.783	2.641	2.534	160-170	6.587	61778	100, 100
180	2.613	2.627	2.419	2.548	2.631	2.677	2.519	2.495	170-180	2.337	61781	100, 100
DEG	LUMINOUS INTENSITY: ×10cd									UNIT: lm		

Conical surface Flux(90deg): 40354 lm

%lum = 65.3%

%lamp = 65.3%

Conical surface Flux(120deg): 57307 lm

%lum = 92.8%

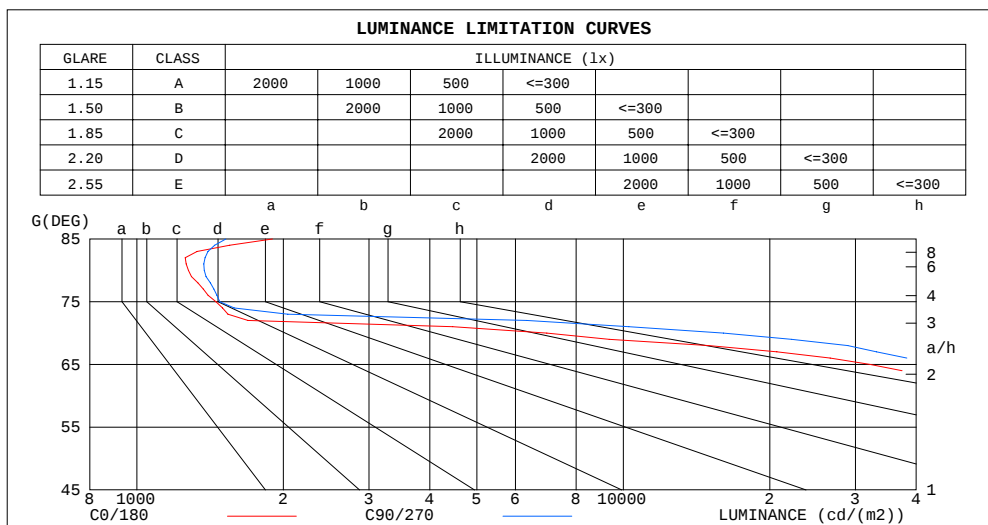
%lamp = 92.8%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1900	1524
80	1277	1376
75	1454	1481
70	6963	16069
65	32198	43956
60	58570	69577
55	78233	85728
50	85452	88827
45	88766	91801

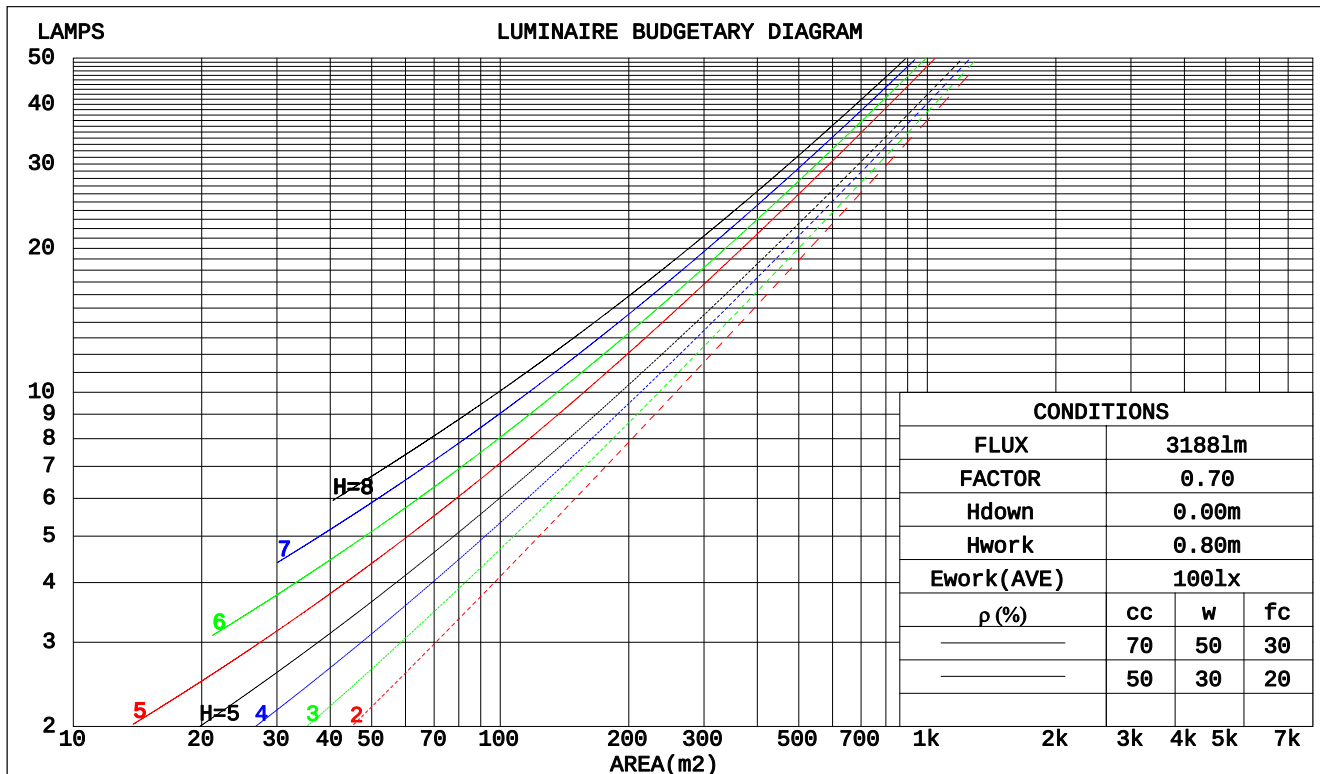
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm									
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:	
SPEC.: ASD-UHB2-400D50-PRM					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 Coeffcients(WEC)										
0.0																	
1.0	.243	.138	.044	.236	.135	.043	.223	.128	.041	.211	.122	.039	.200	.116	.037		
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.038	.213	.119	.037	.203	.115	.036		
3.0	.231	.123	.037	.225	.121	.036	.215	.117	.035	.206	.113	.035	.198	.109	.034		
4.0	.219	.114	.033	.214	.112	.033	.205	.109	.033	.197	.106	.032	.190	.103	.031		
5.0	.207	.105	.030	.202	.104	.030	.195	.101	.030	.187	.099	.029	.181	.096	.029		
6.0	.195	.098	.028	.191	.097	.028	.184	.094	.027	.178	.092	.027	.171	.090	.027		
7.0	.184	.091	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	.163	.085	.025		
8.0	.173	.085	.024	.170	.084	.024	.165	.082	.023	.159	.081	.023	.154	.079	.023		
9.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.151	.076	.022	.147	.075	.022		
10.0	.155	.074	.021	.152	.074	.021	.148	.072	.020	.144	.071	.020	.140	.070	.020		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	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	.176	.158	.140	.151	.135	.121	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.166	.133	.105	.142	.114	.091	.098	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.158	.115	.081	.135	.099	.070	.093	.069	.049	.054	.040	.029	.017	.013	.009	
4.0	.150	.101	.064	.129	.087	.055	.089	.061	.039	.051	.036	.023	.016	.012	.008	
5.0	.143	.090	.051	.123	.078	.045	.085	.055	.032	.049	.032	.019	.016	.010	.006	
6.0	.137	.082	.043	.117	.071	.037	.081	.050	.026	.047	.029	.016	.015	.010	.005	
7.0	.130	.075	.036	.112	.065	.031	.078	.046	.022	.045	.027	.013	.015	.009	.004	
8.0	.125	.069	.031	.107	.060	.027	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.027	.103	.056	.024	.071	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.114	.060	.024	.098	.052	.021	.068	.037	.015	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-UHB2-400D50-PRM					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	26.9	28.4	27.3	28.7	29.0	27.9	29.4	28.3	29.7	30.0
3H	26.9	28.2	27.2	28.5	28.9	28.1	29.4	28.5	29.7	30.1
4H	26.8	28.0	27.2	28.4	28.8	28.0	29.2	28.4	29.6	30.0
6H	26.7	27.9	27.1	28.2	28.6	28.0	29.1	28.4	29.5	29.8
8H	26.7	27.8	27.1	28.2	28.6	27.9	29.0	28.4	29.4	29.8
12H	26.7	27.7	27.1	28.1	28.5	27.9	28.9	28.3	29.3	29.7
4H 2H	27.0	28.2	27.4	28.5	28.9	28.1	29.3	28.5	29.7	30.1
3H	26.9	27.9	27.4	28.3	28.7	28.3	29.3	28.7	29.7	30.1
4H	26.9	27.8	27.3	28.2	28.6	28.2	29.1	28.6	29.5	30.0
6H	26.8	27.6	27.3	28.0	28.5	28.1	28.9	28.6	29.4	29.8
8H	26.8	27.5	27.2	27.9	28.4	28.1	28.8	28.6	29.3	29.7
12H	26.7	27.4	27.2	27.8	28.3	28.1	28.7	28.5	29.2	29.6
8H 4H	26.8	27.5	27.2	27.9	28.4	28.1	28.8	28.6	29.3	29.7
6H	26.7	27.3	27.2	27.7	28.2	28.0	28.6	28.5	29.1	29.6
8H	26.6	27.1	27.1	27.7	28.1	28.0	28.5	28.5	29.0	29.5
12H	26.6	27.0	27.1	27.5	28.1	27.9	28.4	28.4	28.9	29.4
12H 4H	26.7	27.4	27.2	27.8	28.3	28.1	28.7	28.5	29.2	29.7
6H	26.6	27.1	27.2	27.6	28.2	28.0	28.5	28.5	29.0	29.5
8H	26.6	27.0	27.1	27.5	28.1	27.9	28.4	28.4	28.9	29.4
CIE190: 2010										

CIE190: 2010
Area: 0.264074 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 26 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.0%
Test Distance: 2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

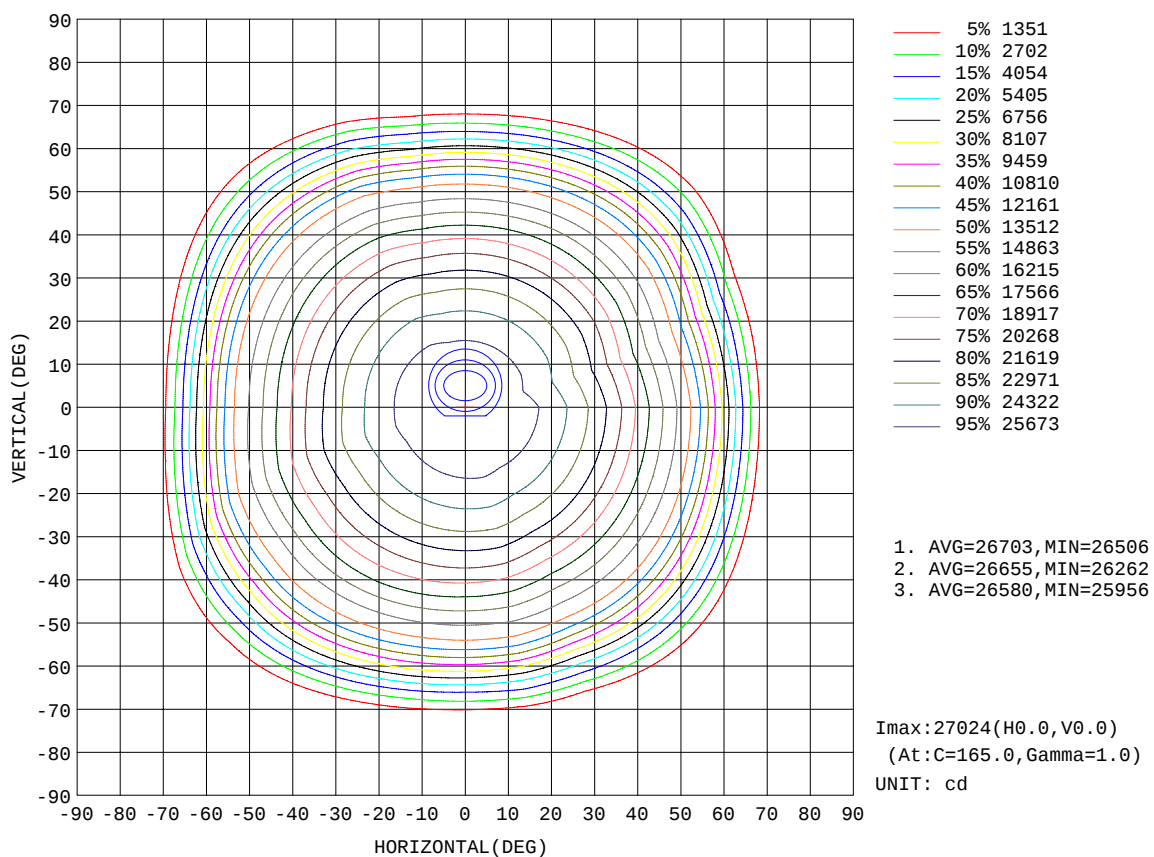
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	45	62	51	45	60	51	45	39
0.80	73	63	56	72	62	56	71	62	56	49
1.00	82	73	66	81	72	66	79	73	66	59
1.25	89	81	75	88	80	74	86	78	73	67
1.50	94	86	80	93	85	80	90	83	79	72
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
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: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

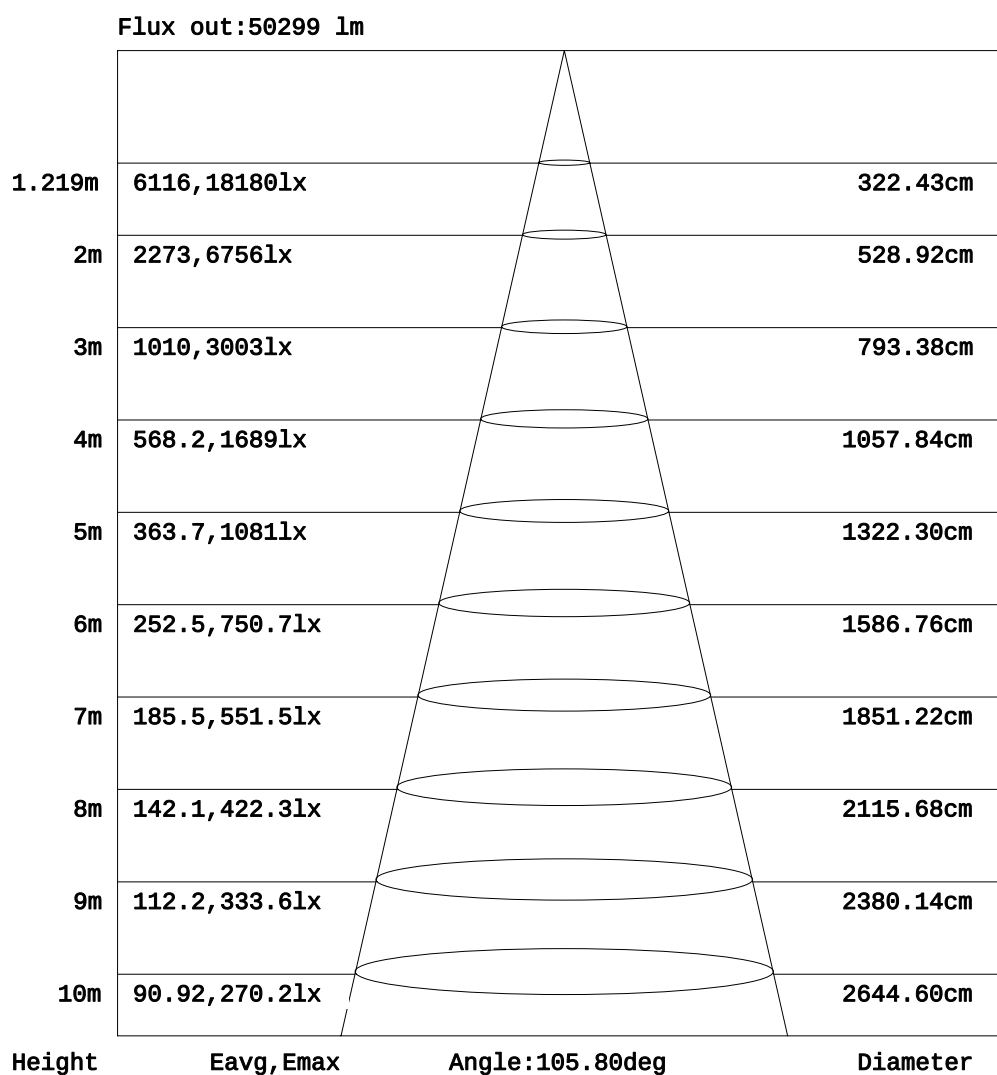


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 26 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.0%
Test Distance: 2.500m [K=1.0469]
Remarks:

AAI Figure

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



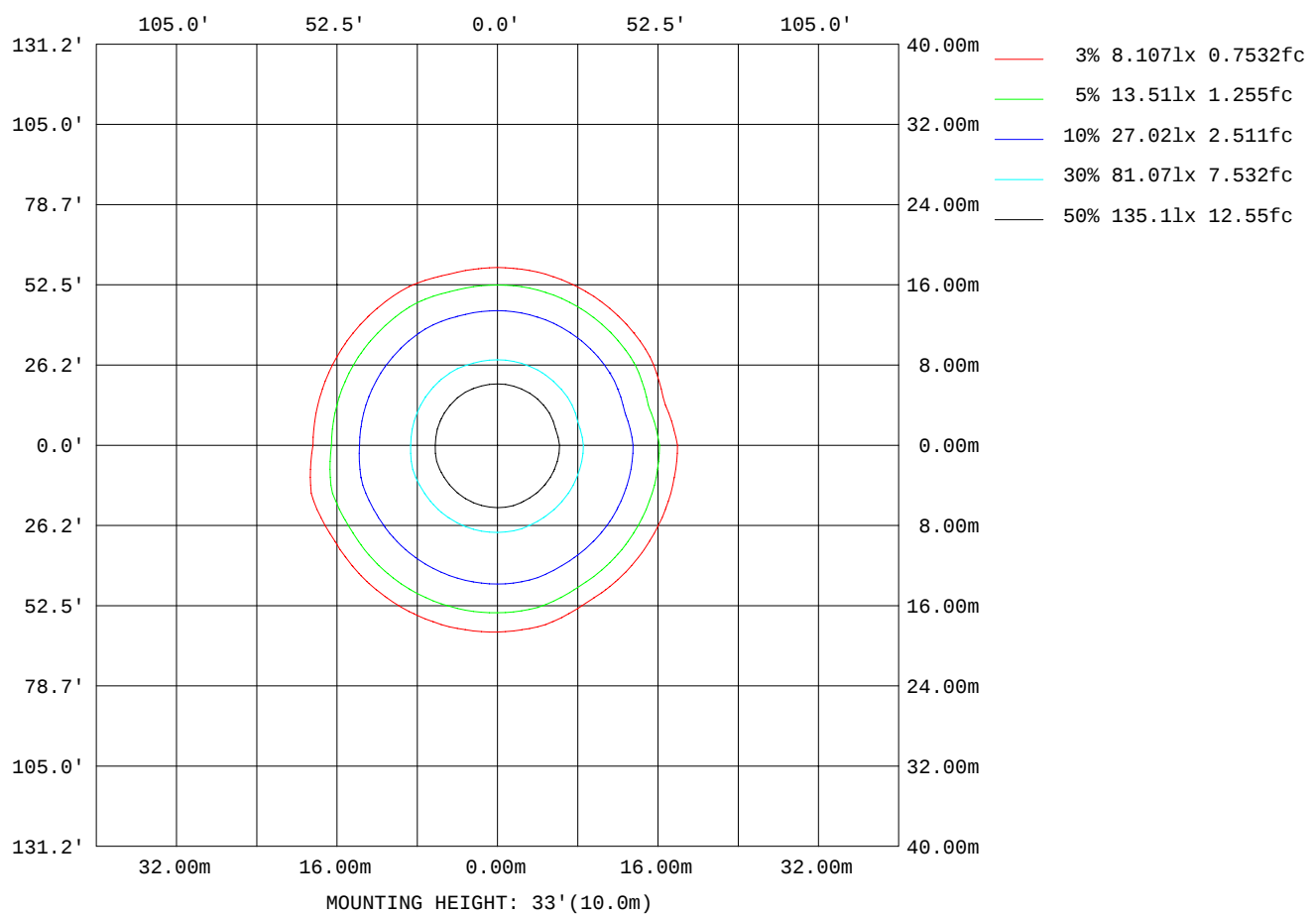
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 26 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.0%
Test Distance: 2.500m [K=1.0469]
Remarks:

LED Avg.L Report

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

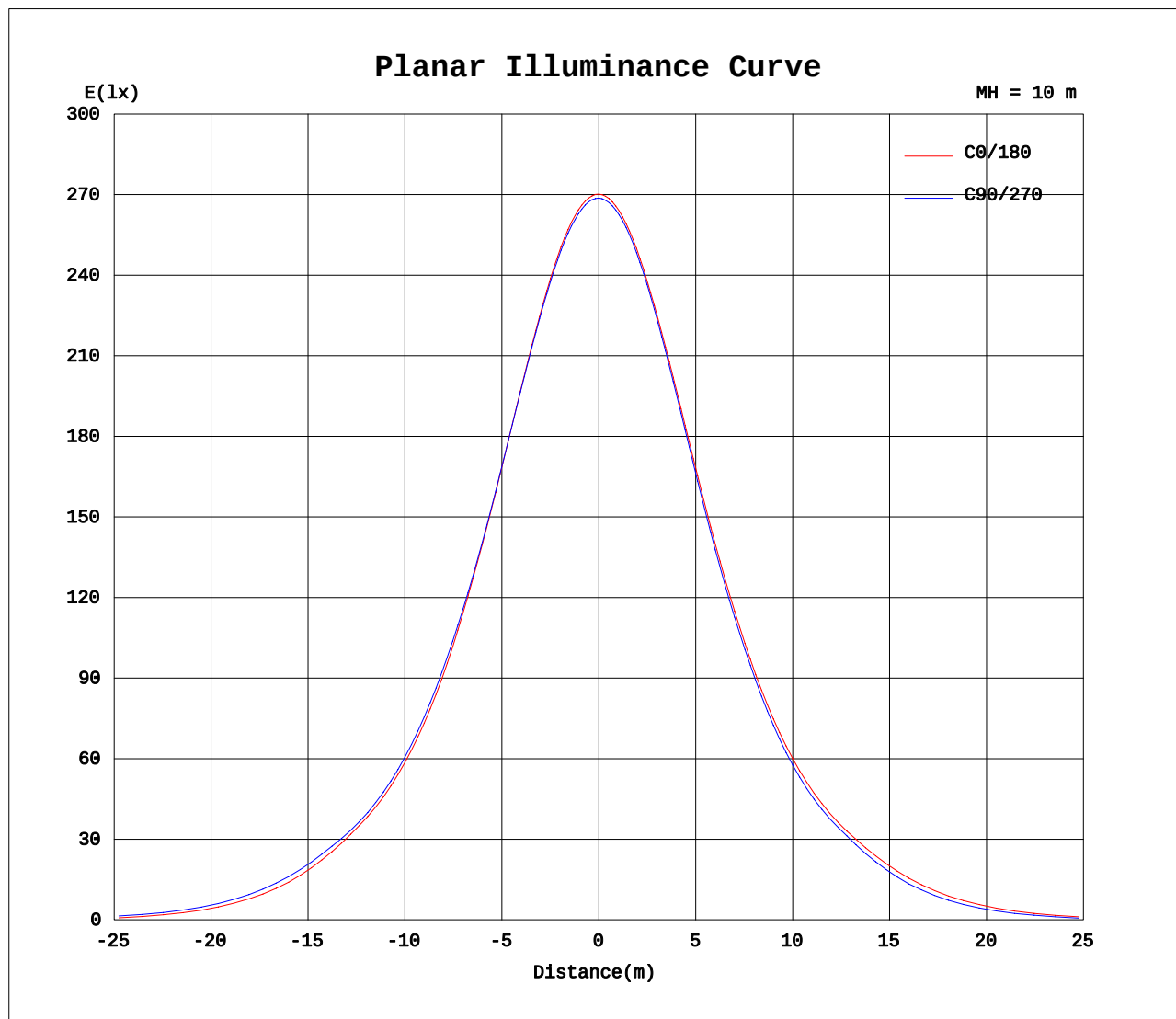
AvgL	cd/m2
L_0~180(65)av	35678
L_0~180(75)av	1433
L_0~180(85)av	1524
L_90~270(65)av	36610
L_90~270(75)av	1499
L_90~270(85)av	1248
L_45(65)av	36447
L_45(75)av	1477
L_45(85)av	1410

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.0%
Test Distance: 2.500m [K=1.0469]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm																		
NAME: ASD Lighting Corp									TYPE: LED					WEIGHT:				
SPEC.: ASD-UHB2-400D50-PRM									DIM.:					SERIAL No.:				
MFR.: ASD Lighting Corp									SUR.:					Shielding Angle:				

Table--1

UNIT: ×10cd

C(°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689	2689
5	2679	2678	2677	2676	2676	2680	2679	2678	2678	2679	2678	2683	2675	2676	2676	2677	2679	2674	2675
10	2646	2645	2644	2643	2641	2649	2647	2645	2645	2644	2644	2654	2639	2641	2643	2644	2647	2638	2639
15	2587	2585	2584	2583	2581	2593	2590	2587	2587	2586	2586	2602	2577	2580	2583	2585	2587	2574	2576
20	2501	2499	2498	2496	2494	2512	2508	2505	2504	2504	2504	2525	2491	2495	2498	2501	2502	2485	2486
25	2385	2382	2382	2381	2379	2402	2399	2397	2397	2396	2396	2422	2379	2383	2386	2388	2390	2365	2368
30	2241	2238	2238	2238	2237	2266	2264	2263	2263	2263	2264	2293	2241	2245	2247	2248	2249	2220	2221
35	2068	2063	2062	2064	2068	2107	2107	2107	2108	2109	2110	2142	2083	2085	2087	2086	2085	2051	2052
40	1860	1855	1856	1861	1866	1913	1923	1931	1935	1937	1936	1969	1896	1896	1899	1898	1896	1855	1855
45	1649	1648	1649	1655	1659	1708	1715	1727	1737	1738	1734	1770	1690	1687	1685	1683	1682	1637	1633
50	1443	1447	1448	1453	1462	1506	1509	1514	1520	1522	1525	1563	1487	1483	1475	1471	1469	1424	1420
55	1179	1177	1180	1190	1207	1290	1299	1301	1310	1315	1319	1367	1257	1247	1237	1229	1227	1153	1149
60	770	767	770	783	794	901	919	940	951	960	960	1037	868	856	846	830	817	724	730
65	358	353	357	375	399	468	491	505	523	533	525	602	439	427	415	412	407	347	326
70	62.6	64.9	71.1	78.4	85.2	133	145	154	156	158	155	217	99.0	96.1	92.9	86.8	82.4	59.0	58.9
75	9.89	9.87	9.89	9.87	9.76	10.4	10.1	9.98	9.92	9.92	10.03	12.1	9.70	10.1	10.4	10.8	11.1	10.4	10.4
80	5.83	5.89	5.98	6.02	5.92	6.44	6.31	6.16	6.03	5.98	6.02	6.83	5.74	5.96	6.17	6.33	6.48	5.72	5.75
85	4.35	4.65	4.77	4.75	4.53	4.03	3.51	3.36	3.17	2.99	2.95	3.54	2.67	2.77	2.85	2.86	2.84	2.27	2.23
90	2.23	2.34	2.35	2.26	2.11	2.19	2.18	1.79	1.34	0.93	0.62	0.98	0.16	0.19	0.27	0.37	0.47	0.59	0.64
95	0.11	0.11	0.11	0.11	0.11	0.69	0.76	0.42	0.15	0.10	0.09	0.10	0.20	0.20	0.20	0.21	0.21	0.24	0.25
100	0.25	0.18	0.18	0.17	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.13	0.34	0.34	0.34	0.35	0.35	0.39	0.40
105	0.26	0.26	0.25	0.25	0.33	0.34	0.25	0.24	0.25	0.23	0.23	0.21	0.49	0.49	0.50	0.50	0.51	0.54	0.55
110	0.33	0.33	0.33	0.35	0.40	0.40	0.37	0.34	0.33	0.32	0.31	0.29	0.59	0.60	0.61	0.61	0.62	0.65	0.66
115	0.41	0.41	0.41	0.43	0.44	0.44	0.43	0.43	0.42	0.42	0.41	0.37	0.69	0.69	0.69	0.71	0.73	0.76	0.77
120	0.53	0.53	0.51	0.53	0.56	0.53	0.54	0.55	0.55	0.54	0.53	0.48	0.82	0.83	0.84	0.86	0.88	0.93	0.95
125	0.70	0.66	0.64	0.67	0.69	0.68	0.69	0.70	0.71	0.69	0.66	0.62	1.08	1.08	1.08	1.11	1.13	1.19	1.21
130	0.89	0.85	0.82	0.84	0.88	0.84	0.86	0.86	0.87	0.85	0.84	0.78	1.35	1.35	1.36	1.40	1.42	1.52	1.54
135	1.10	1.08	1.02	1.00	1.08	1.03	1.05	1.06	1.07	1.02	1.04	0.98	1.60	1.62	1.63	1.67	1.69	1.81	1.81
140	1.29	1.29	1.22	1.23	1.24	1.17	1.21	1.22	1.23	1.23	1.21	1.18	1.77	1.81	1.84	1.92	1.93	2.03	2.00
145	1.43	1.46	1.39	1.37	1.42	1.39	1.40	1.41	1.41	1.37	1.33	1.36	2.00	2.04	2.08	2.16	2.18	2.27	2.23
150	1.57	1.59	1.54	1.49	1.54	1.57	1.56	1.58	1.54	1.50	1.45	1.46	2.18	2.23	2.23	2.32	2.36	2.44	2.40
155	1.75	1.78	1.79	1.64	1.70	1.67	1.67	1.71	1.69	1.68	1.68	1.60	2.38	2.36	2.44	2.45	2.47	2.54	2.44
160	1.91	1.93	1.93	1.82	1.81	1.81	1.76	1.84	1.84	1.85	1.87	1.78	2.62	2.59	2.60	2.64	2.62	2.66	2.56
165	2.02	2.08	2.08	2.02	1.99	1.94	1.87	2.00	2.03	2.07	2.02	1.97	2.68	2.69	2.70	2.76	2.78	2.75	2.66
170	2.19	2.23	2.23	2.17	2.08	2.07	2.02	2.11	2.14	2.13	2.12	2.13	2.73	2.74	2.76	2.78	2.80	2.74	2.64
175	2.41	2.46	2.44	2.41	2.33	2.21	2.13	2.19	2.24	2.25	2.26	2.23	2.72	2.72	2.77	2.77	2.75	2.70	2.64
180	2.61	2.65	2.66	2.63	2.62	2.54	2.42	2.46	2.54	2.55	2.63	2.61	2.63	2.63	2.67	2.68	2.64	2.57	2.52

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:3.3221A P:397.65W PF:0.9975 Freq:60.00Hz Lamp Flux:60000x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-400D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C(°)	285	300	315	330	345													
γ (°)																		
0	2689	2689	2689	2689	2689													
5	2676	2676	2676	2676	2671													
10	2640	2641	2640	2639	2630													
15	2577	2578	2578	2576	2561													
20	2487	2488	2487	2486	2465													
25	2368	2370	2368	2366	2339													
30	2223	2222	2221	2219	2186													
35	2052	2051	2048	2047	2002													
40	1852	1848	1840	1836	1787													
45	1632	1633	1624	1617	1570													
50	1419	1420	1415	1411	1372													
55	1142	1138	1131	1121	1039													
60	731	720	716	704	611													
65	321	311	308	302	233													
70	57.1	52.0	46.4	35.7	15.1													
75	10.3	10.1	9.76	9.42	8.26													
80	5.67	5.49	5.29	5.20	4.67													
85	2.21	2.28	2.38	2.89	3.12													
90	0.72	0.86	1.06	1.31	0.75													
95	0.25	0.26	0.26	0.46	1.16													
100	0.41	0.41	0.41	0.41	0.45													
105	0.56	0.57	0.57	0.57	0.58													
110	0.67	0.67	0.67	0.67	0.67													
115	0.78	0.78	0.78	0.77	0.78													
120	0.95	0.95	0.94	0.92	0.96													
125	1.19	1.19	1.17	1.14	1.22													
130	1.51	1.48	1.40	1.39	1.48													
135	1.78	1.70	1.66	1.66	1.73													
140	1.95	1.90	1.90	1.88	1.95													
145	2.18	2.18	2.11	2.08	2.15													
150	2.34	2.30	2.28	2.23	2.30													
155	2.45	2.41	2.38	2.47	2.52													
160	2.50	2.55	2.55	2.62	2.61													
165	2.58	2.62	2.65	2.68	2.71													
170	2.59	2.61	2.53	2.63	2.67													
175	2.53	2.60	2.54	2.63	2.65													
180	2.41	2.45	2.50	2.53	2.54													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 26 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.0%
 Test Distance: 2.500m [K=1.0469]
 Remarks: