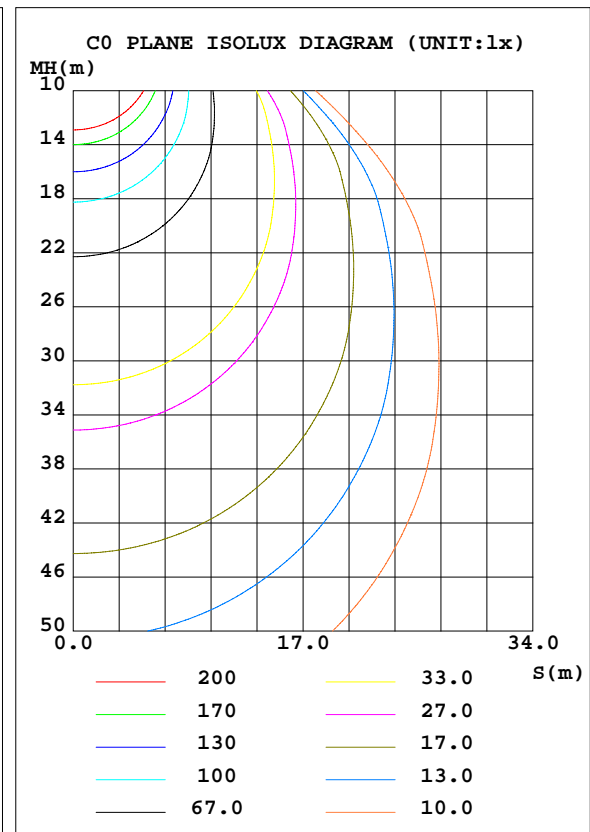
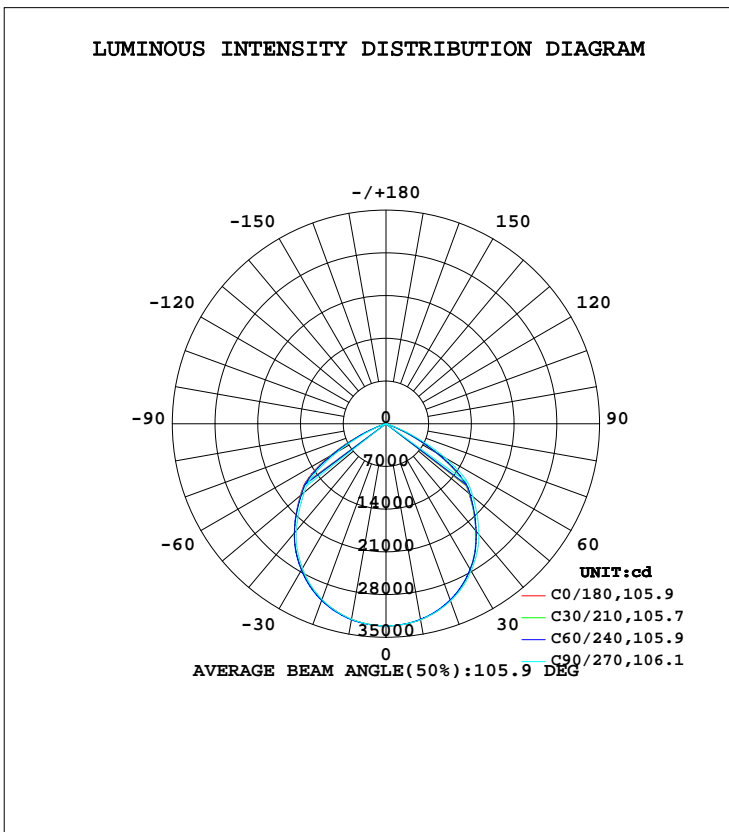


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1lx1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.89 lm/W			
MODEL	ASD-UHB2-500D50-PRM	I _{max} (cd)	33142	S/MH(C0/180)	1.24
NOMINAL POWER(W)	500	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	76120	η UP, DN(C0-180)	0.0,51.0
NOMINAL FLUX(lm)	76120.1	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



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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	3260	3256	3261	3258	3252	3258	3252	3253	0- 10	3135	3135	4.12,4.12
20	3081	3076	3090	3085	3069	3081	3063	3064	10- 20	8977	12113	15.9,15.9
30	2761	2757	2789	2789	2761	2770	2737	2736	20- 30	13518	25630	33.7,33.7
40	2291	2292	2370	2386	2335	2339	2285	2268	30- 40	15980	41610	54.7,54.7
50	1778	1790	1859	1876	1833	1812	1749	1744	40- 50	15912	57523	75.6,75.6
60	948.1	965.3	1133	1183	1070	1023	900.0	881.7	50- 60	13086	70608	92.8,92.8
70	77.10	96.54	178.9	195.1	122.0	106.9	72.51	57.22	60- 70	5108	75716	99.5,99.5
80	7.178	7.421	7.779	7.371	7.075	7.805	7.081	6.513	70- 80	281.8	75998	99.8,99.8
90	2.747	2.779	2.680	1.149	0.2027	0.4553	0.7924	1.303	80- 90	44.34	76042	99.9,99.9
100	0.3095	0.2102	0.1886	0.1847	0.4159	0.4260	0.4911	0.5092	90-100	6.027	76048	99.9,99.9
110	0.4060	0.4326	0.4502	0.3920	0.7329	0.7566	0.8135	0.8286	100-110	5.089	76054	99.9,99.9
120	0.6480	0.6510	0.6710	0.6691	1.013	1.065	1.167	1.162	110-120	7.187	76061	99.9,99.9
130	1.095	1.033	1.055	1.053	1.668	1.730	1.892	1.730	120-130	10.10	76071	99.9,99.9
140	1.589	1.510	1.496	1.520	2.178	2.363	2.464	2.345	130-140	12.95	76084	100,100
150	1.931	1.839	1.926	1.846	2.685	2.853	2.957	2.812	140-150	13.54	76097	100,100
160	2.349	2.248	2.175	2.281	3.225	3.251	3.151	3.147	150-160	11.74	76109	100,100
170	2.692	2.668	2.485	2.619	3.368	3.429	3.253	3.122	160-170	8.116	76117	100,100
180	3.220	3.236	2.980	3.140	3.242	3.298	3.104	3.075	170-180	2.880	76120	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 49720 lm

%lum = 65.3%

%lamp = 65.3%

Conical surface Flux(120deg): 70608 lm

%lum = 92.8%

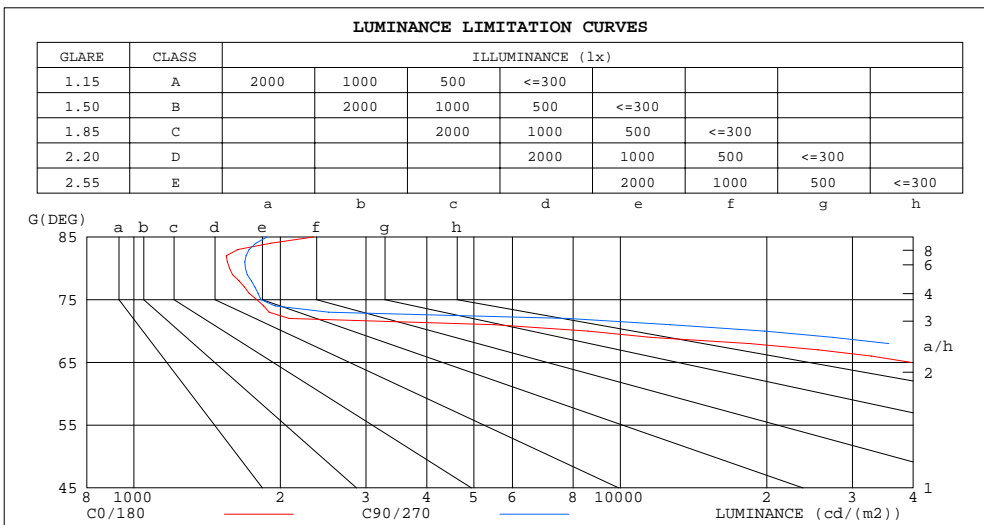
%lamp = 92.8%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.lx1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2341	1878
80	1573	1695
75	1791	1825
70	8579	19799
65	39671	54158
60	72164	85726
55	96391	105625
50	105285	109444
45	109369	113108

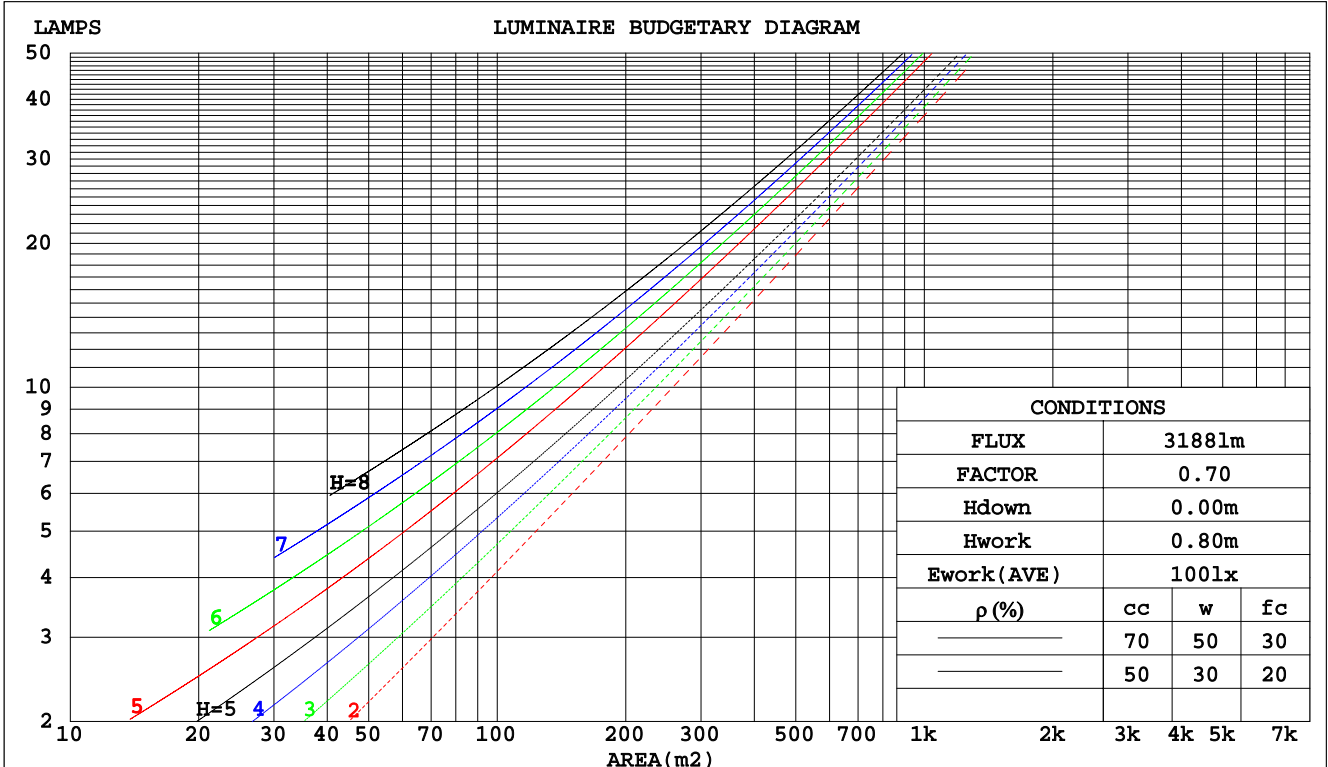
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.90	.89
2.0	.96	.90	.85	.94	.89	.84	.91	.86	.82	.87	.84	.81	.84	.81	.79	.77
3.0	.85	.78	.73	.84	.77	.72	.81	.76	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.75	.68	.62	.73	.67	.62	.71	.65	.61	.69	.64	.60	.58
5.0	.69	.61	.55	.68	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.62	.54	.48	.61	.54	.48	.60	.53	.48	.58	.52	.47	.56	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.54	.47	.42	.53	.47	.42	.52	.46	.42	.40
8.0	.52	.44	.38	.51	.44	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.36	.31	.43	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.29



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-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 Coefficients(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	

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	.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: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-UHB2-500D50-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	27.6	29.1	28.0	29.4	29.7	28.6	30.1	29.0	30.4	30.7
3H	27.6	28.9	28.0	29.2	29.6	28.8	30.1	29.2	30.5	30.8
4H	27.5	28.7	27.9	29.1	29.5	28.8	30.0	29.2	30.3	30.7
6H	27.5	28.6	27.9	29.0	29.3	28.7	29.8	29.1	30.2	30.6
8H	27.4	28.5	27.9	28.9	29.3	28.6	29.7	29.1	30.1	30.5
12H	27.4	28.4	27.8	28.8	29.2	28.6	29.6	29.0	30.0	30.4
4H 2H	27.7	28.9	28.1	29.3	29.7	28.8	30.0	29.2	30.4	30.8
3H	27.7	28.7	28.1	29.1	29.5	29.0	30.0	29.4	30.4	30.8
4H	27.6	28.5	28.0	28.9	29.3	28.9	29.8	29.4	30.2	30.7
6H	27.5	28.3	28.0	28.7	29.2	28.9	29.6	29.3	30.1	30.5
8H	27.5	28.2	28.0	28.6	29.1	28.8	29.5	29.3	30.0	30.5
12H	27.4	28.1	27.9	28.6	29.0	28.8	29.4	29.3	29.9	30.4
8H 4H	27.5	28.2	28.0	28.6	29.1	28.8	29.5	29.3	30.0	30.5
6H	27.4	28.0	27.9	28.5	29.0	28.7	29.3	29.2	29.8	30.3
8H	27.3	27.9	27.9	28.4	28.9	28.7	29.2	29.2	29.7	30.2
12H	27.3	27.8	27.8	28.3	28.8	28.6	29.1	29.2	29.6	30.2
12H 4H	27.4	28.1	27.9	28.6	29.0	28.8	29.4	29.3	29.9	30.4
6H	27.3	27.9	27.9	28.3	28.9	28.7	29.2	29.2	29.7	30.2
8H	27.3	27.8	27.8	28.3	28.8	28.6	29.1	29.2	29.6	30.2
CIE190: 2010										

CIE190: 2010
Area: 0.264074 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 01 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

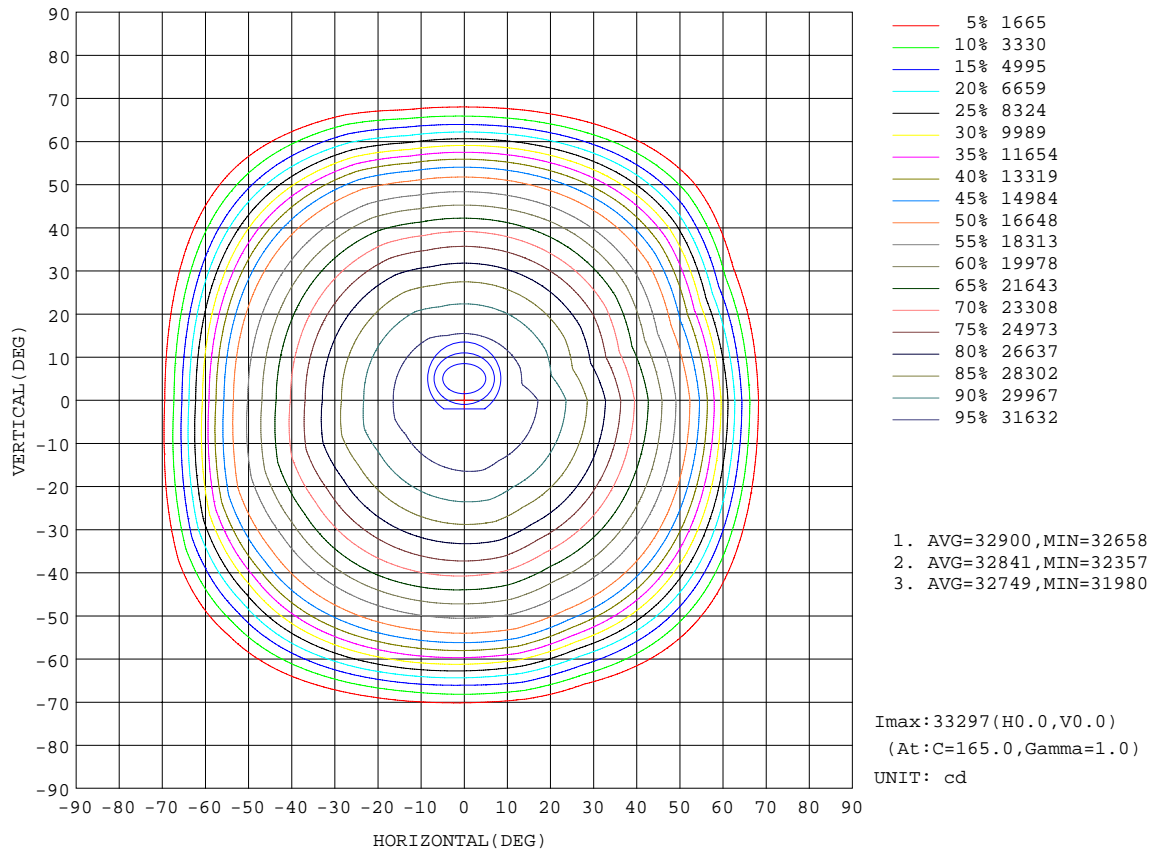
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	62	51	45	62	51	45	60	51	45	39
0.80	73	63	56	72	62	56	71	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: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

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

ISOCANDELA DIAGRAM

Test:U:120.00V I:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

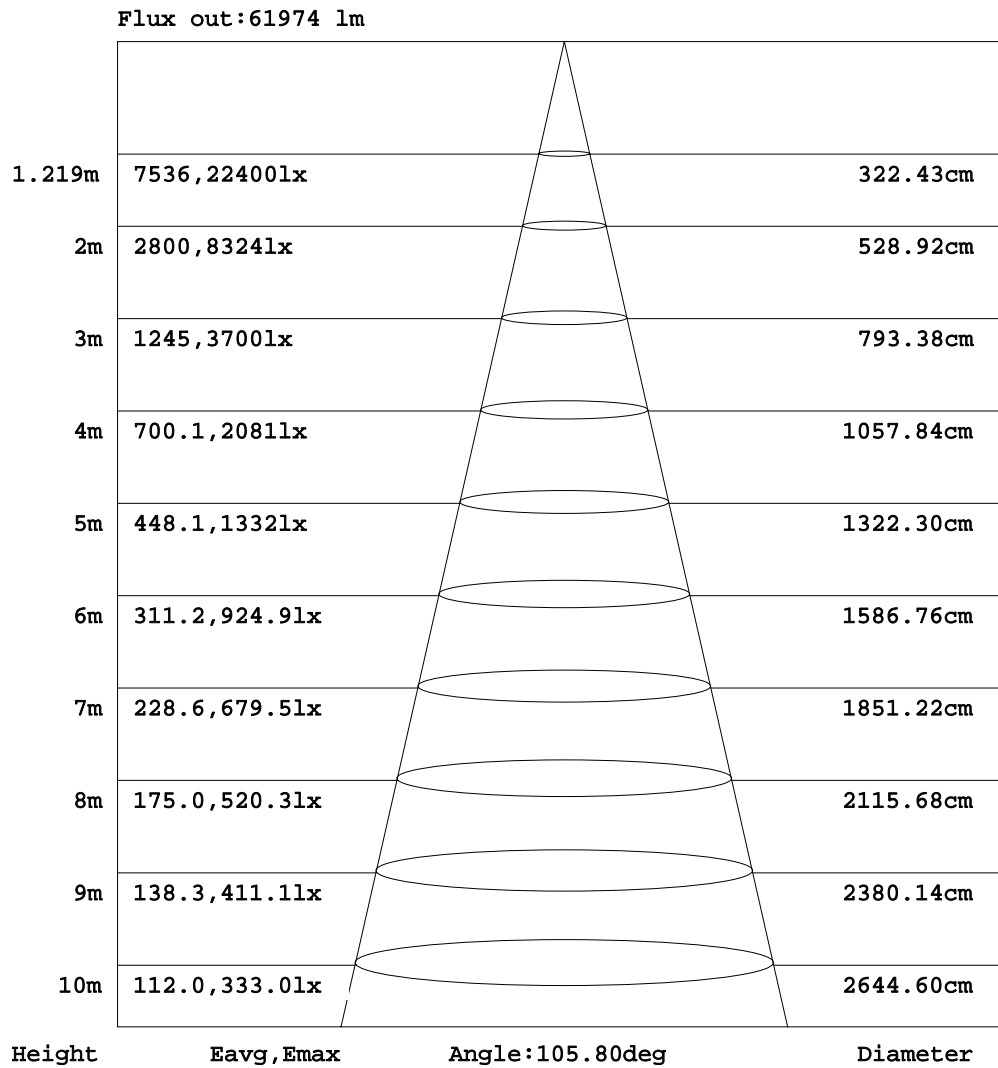


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

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

AAI Figure

Test:U:120.00V I:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



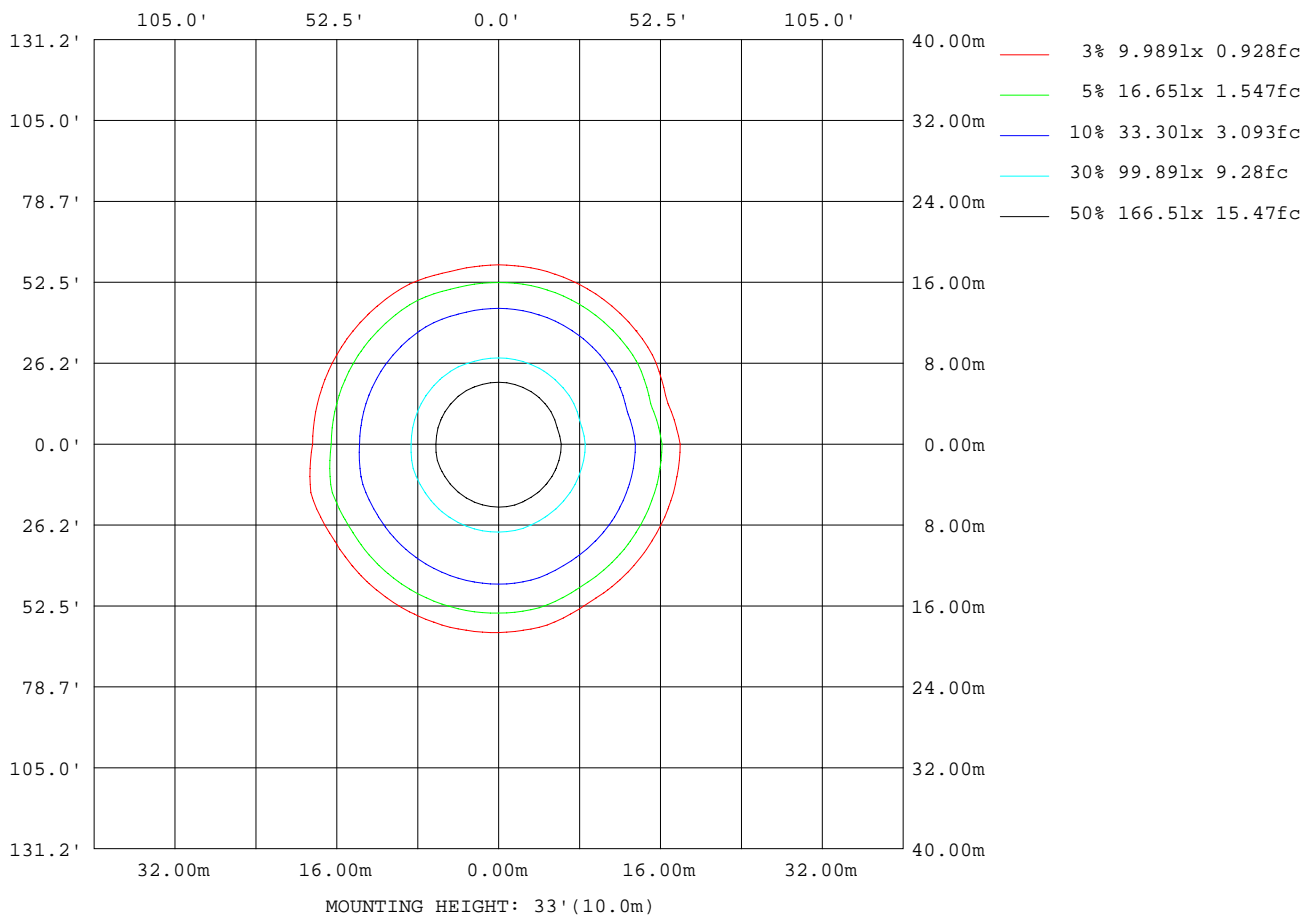
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

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

ISOLUX DIAGRAM

Test:U:120.00V I:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	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: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

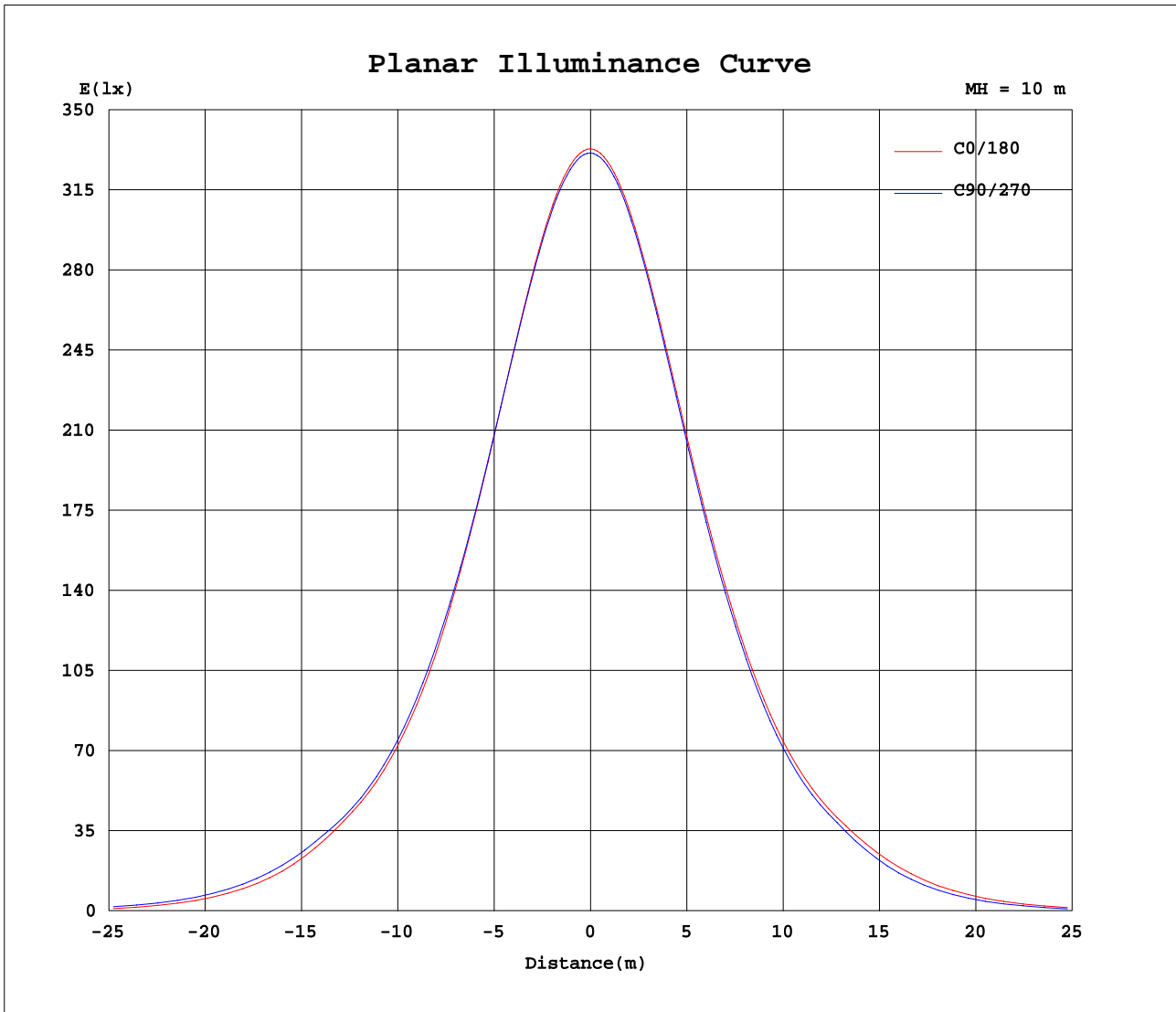
AvgL	cd/m2
L_0~180(65)av	43959
L_0~180(75)av	1765
L_0~180(85)av	1878
L_90~270(65)av	45107
L_90~270(75)av	1847
L_90~270(85)av	1537
L_45(65)av	44907
L_45(75)av	1819
L_45(85)av	1737

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313	3313
5	3300	3299	3299	3297	3298	3302	3300	3300	3300	3300	3299	3306	3296	3297	3298	3299	3300	3295	3296
10	3260	3259	3257	3256	3254	3263	3261	3259	3258	3258	3258	3270	3252	3254	3256	3258	3261	3250	3252
15	3188	3185	3184	3183	3180	3195	3191	3188	3187	3186	3187	3206	3175	3179	3182	3185	3188	3172	3174
20	3081	3079	3077	3076	3073	3095	3090	3087	3086	3085	3085	3111	3069	3074	3078	3081	3083	3062	3063
25	2939	2935	2934	2933	2932	2960	2956	2954	2953	2952	2953	2984	2931	2936	2940	2942	2944	2914	2917
30	2761	2757	2757	2757	2756	2792	2789	2788	2788	2789	2789	2825	2761	2766	2769	2770	2771	2735	2737
35	2549	2541	2540	2543	2548	2596	2596	2596	2598	2599	2600	2639	2566	2569	2571	2571	2569	2527	2529
40	2291	2285	2287	2292	2299	2357	2370	2380	2384	2386	2385	2425	2335	2337	2340	2339	2336	2286	2285
45	2032	2031	2032	2039	2044	2105	2113	2128	2141	2141	2137	2181	2083	2079	2076	2074	2072	2017	2012
50	1778	1783	1785	1790	1801	1855	1859	1865	1873	1876	1879	1926	1833	1827	1817	1812	1809	1755	1749
55	1453	1450	1454	1467	1487	1590	1601	1603	1614	1620	1626	1684	1549	1536	1524	1514	1511	1421	1415
60	948	945	949	965	978	1110	1133	1158	1171	1183	1183	1278	1070	1055	1043	1023	1007	892	900
65	441	434	440	462	491	576	605	622	644	657	647	742	541	527	512	507	502	428	402
70	77.1	79.9	87.6	96.5	105	163	179	189	192	195	191	267	122	118	114	107	102	72.7	72.5
75	12.2	12.2	12.2	12.2	12.0	12.8	12.5	12.3	12.2	12.2	12.4	15.0	11.9	12.4	12.9	13.3	13.7	12.8	12.8
80	7.18	7.26	7.37	7.42	7.29	7.94	7.78	7.59	7.44	7.37	7.41	8.42	7.07	7.34	7.60	7.80	7.99	7.05	7.08
85	5.36	5.73	5.88	5.85	5.58	4.96	4.32	4.15	3.91	3.69	3.64	4.36	3.29	3.42	3.51	3.52	3.50	2.80	2.75
90	2.75	2.89	2.90	2.78	2.61	2.69	2.68	2.21	1.65	1.15	0.77	1.21	0.20	0.24	0.33	0.46	0.58	0.73	0.79
95	0.14	0.14	0.13	0.13	0.13	0.85	0.94	0.52	0.19	0.13	0.11	0.12	0.25	0.25	0.25	0.25	0.26	0.30	0.30
100	0.31	0.23	0.22	0.21	0.21	0.19	0.19	0.19	0.19	0.18	0.18	0.16	0.42	0.42	0.42	0.43	0.43	0.48	0.49
105	0.32	0.32	0.31	0.31	0.40	0.42	0.31	0.30	0.31	0.29	0.28	0.26	0.61	0.61	0.61	0.62	0.63	0.67	0.68
110	0.41	0.41	0.41	0.43	0.50	0.49	0.45	0.42	0.40	0.39	0.38	0.35	0.73	0.74	0.75	0.76	0.77	0.80	0.81
115	0.50	0.50	0.50	0.53	0.54	0.54	0.53	0.53	0.52	0.51	0.50	0.45	0.85	0.85	0.85	0.88	0.90	0.94	0.95
120	0.65	0.65	0.63	0.65	0.68	0.66	0.67	0.68	0.68	0.67	0.65	0.59	1.01	1.03	1.04	1.06	1.08	1.15	1.17
125	0.86	0.81	0.79	0.82	0.85	0.83	0.85	0.86	0.87	0.85	0.82	0.76	1.33	1.33	1.33	1.37	1.39	1.47	1.49
130	1.09	1.05	1.00	1.03	1.09	1.03	1.06	1.06	1.08	1.05	1.03	0.96	1.67	1.67	1.67	1.73	1.75	1.87	1.89
135	1.35	1.33	1.26	1.24	1.33	1.26	1.30	1.31	1.32	1.26	1.28	1.21	1.98	1.99	2.01	2.06	2.08	2.23	2.23
140	1.59	1.58	1.51	1.51	1.53	1.44	1.50	1.51	1.52	1.52	1.49	1.46	2.18	2.23	2.27	2.36	2.38	2.51	2.46
145	1.77	1.80	1.71	1.68	1.75	1.72	1.72	1.73	1.73	1.69	1.64	1.68	2.46	2.52	2.56	2.66	2.69	2.79	2.75
150	1.93	1.96	1.90	1.84	1.90	1.93	1.93	1.94	1.90	1.85	1.79	1.80	2.69	2.74	2.75	2.85	2.90	3.00	2.96
155	2.16	2.19	2.20	2.02	2.09	2.05	2.05	2.10	2.08	2.07	2.07	1.97	2.93	2.91	3.01	3.02	3.05	3.13	3.01
160	2.35	2.38	2.38	2.25	2.23	2.23	2.17	2.27	2.27	2.28	2.31	2.20	3.22	3.20	3.21	3.25	3.23	3.28	3.15
165	2.49	2.57	2.57	2.49	2.45	2.39	2.31	2.46	2.50	2.55	2.49	2.43	3.30	3.31	3.33	3.41	3.43	3.39	3.28
170	2.69	2.74	2.74	2.67	2.57	2.56	2.49	2.60	2.64	2.62	2.61	2.63	3.37	3.37	3.40	3.43	3.45	3.38	3.25
175	2.97	3.03	3.01	2.97	2.87	2.72	2.62	2.69	2.76	2.78	2.79	2.75	3.36	3.35	3.41	3.42	3.38	3.32	3.26
180	3.22	3.26	3.28	3.24	3.23	3.13	2.98	3.03	3.12	3.14	3.24	3.22	3.24	3.24	3.29	3.30	3.25	3.16	3.10

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:4.1310A P:494.63W PF:0.9978 Freq:60.00Hz Lamp Flux:76120.1x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	3313	3313	3313	3313	3313														
5	3297	3297	3297	3297	3291														
10	3252	3253	3253	3252	3240														
15	3175	3176	3176	3173	3155														
20	3064	3066	3064	3063	3037														
25	2918	2920	2918	2915	2881														
30	2739	2738	2736	2734	2693														
35	2528	2527	2524	2522	2467														
40	2282	2277	2268	2262	2202														
45	2011	2012	2001	1992	1935														
50	1748	1749	1744	1738	1690														
55	1407	1402	1394	1382	1280														
60	900	887	882	868	752														
65	395	383	380	372	287														
70	70.4	64.0	57.2	44.0	18.6														
75	12.7	12.4	12.0	11.6	10.2														
80	6.98	6.77	6.51	6.41	5.75														
85	2.73	2.81	2.93	3.56	3.85														
90	0.89	1.06	1.30	1.61	0.93														
95	0.31	0.31	0.32	0.57	1.43														
100	0.50	0.51	0.51	0.51	0.55														
105	0.69	0.70	0.70	0.70	0.72														
110	0.82	0.83	0.83	0.82	0.83														
115	0.96	0.96	0.96	0.95	0.96														
120	1.18	1.17	1.16	1.14	1.19														
125	1.47	1.47	1.44	1.40	1.50														
130	1.86	1.83	1.73	1.71	1.82														
135	2.19	2.09	2.04	2.04	2.13														
140	2.40	2.34	2.35	2.31	2.40														
145	2.68	2.68	2.59	2.56	2.65														
150	2.88	2.84	2.81	2.75	2.83														
155	3.01	2.97	2.93	3.04	3.10														
160	3.08	3.15	3.15	3.22	3.22														
165	3.18	3.22	3.26	3.30	3.34														
170	3.19	3.22	3.12	3.24	3.29														
175	3.11	3.21	3.13	3.24	3.27														
180	2.97	3.01	3.07	3.11	3.13														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 01 July 2021

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