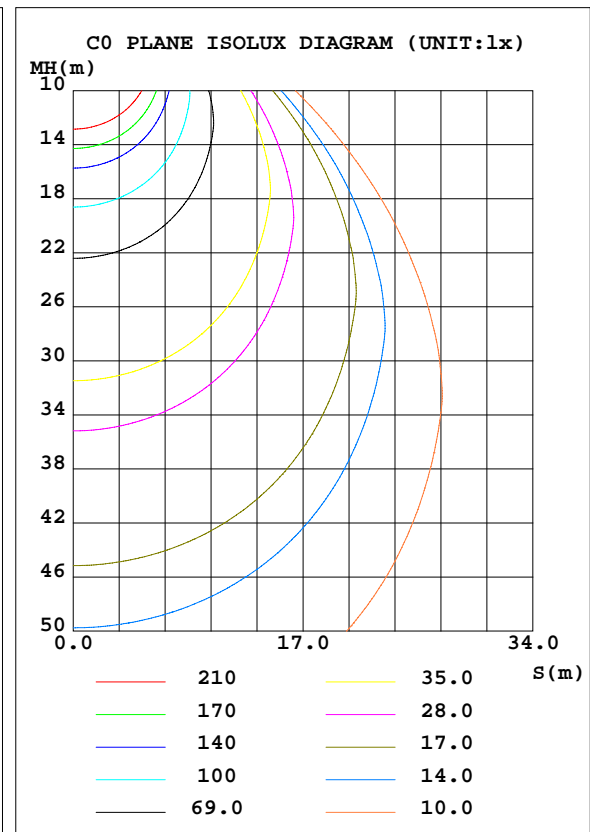
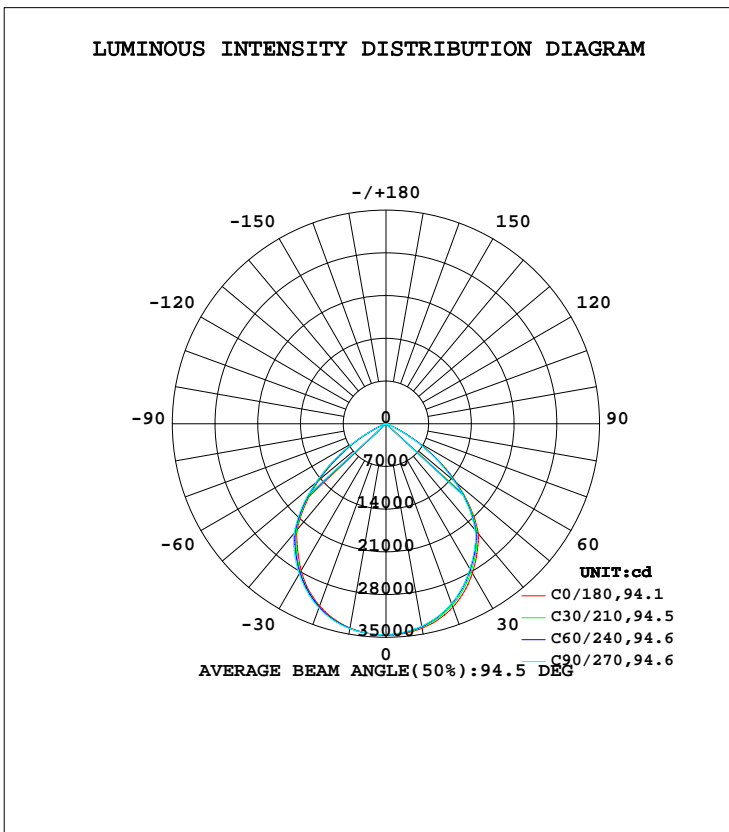


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.15 lm/W			
MODEL	ASD-UHB2HV-500D50-PRM	I _{max} (cd)	34654	S/MH(C0/180)	1.20
NOMINAL POWER(W)	500	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	69185	η UP, DN(C0-180)	0.0,49.5
NOMINAL FLUX(lm)	69185	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	277	η down(%)	99.9	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3403	3379	3367	3367	3398	3405	3410	3406	0- 10	3267	3267	4.72,4.72
20	3199	3152	3134	3136	3178	3197	3214	3216	10- 20	9313	12580	18.2,18.2
30	2828	2775	2747	2745	2780	2816	2843	2846	20- 30	13827	26406	38.2,38.2
40	2355	2299	2266	2240	2257	2310	2339	2362	30- 40	16010	42416	61.3,61.3
50	1514	1482	1453	1406	1432	1470	1502	1522	40- 50	14690	57106	82.5,82.5
60	600.7	586.1	554.4	566.5	547.8	564.6	588.8	622.8	50- 60	9004	66109	95.6,95.6
70	67.47	67.65	65.07	69.19	70.53	60.28	54.22	59.89	60- 70	2434	68543	99.1,99.1
80	26.05	26.55	24.37	26.53	27.48	21.83	19.38	22.83	70- 80	456.5	68999	99.7,99.7
90	0.5058	0.9913	0.8946	0.9484	1.683	1.386	0.4943	0.3261	80- 90	111.2	69111	99.9,99.9
100	0.1345	0.1330	0.1357	0.1413	0.3137	0.3012	0.2920	0.2886	90-100	3.761	69114	99.9,99.9
110	0.2833	0.2914	0.3025	0.3075	0.5995	0.5930	0.5787	0.5655	100-110	3.422	69118	99.9,99.9
120	0.5238	0.5468	0.5984	0.6086	1.011	1.026	1.029	0.9991	110-120	5.892	69124	99.9,99.9
130	0.9473	0.9501	1.019	1.020	1.723	1.784	1.832	1.692	120-130	9.512	69133	99.9,99.9
140	1.454	1.452	1.537	1.527	2.308	2.505	2.549	2.391	130-140	12.92	69146	99.9,99.9
150	1.958	1.962	2.046	1.987	2.929	3.083	3.142	2.984	140-150	14.10	69160	100,100
160	2.533	2.416	2.357	2.494	3.529	3.623	3.534	3.501	150-160	12.74	69173	100,100
170	2.879	2.872	2.687	2.804	3.745	3.808	3.669	3.558	160-170	8.951	69182	100,100
180	3.452	3.587	3.260	3.445	3.485	3.544	3.375	3.331	170-180	3.156	69185	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 50244 lm

%lum = 72.6%

%lamp = 72.6%

Conical surface Flux(120deg): 66109 lm

%lum = 95.6%

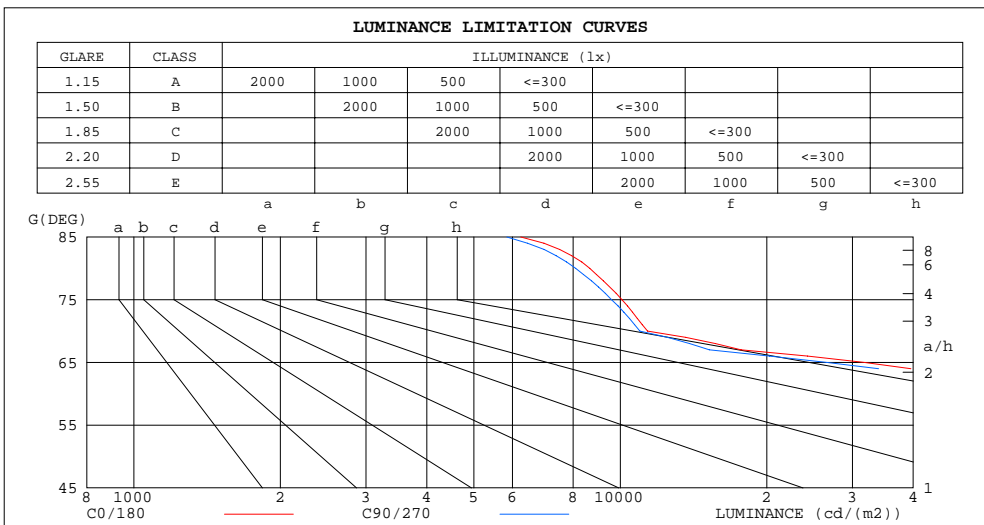
%lamp = 95.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6240	5844
80	8652	8092
75	10077	9591
70	11377	10972
65	31785	26628
60	69279	63940
55	104881	99782
50	135842	130388
45	160113	154426

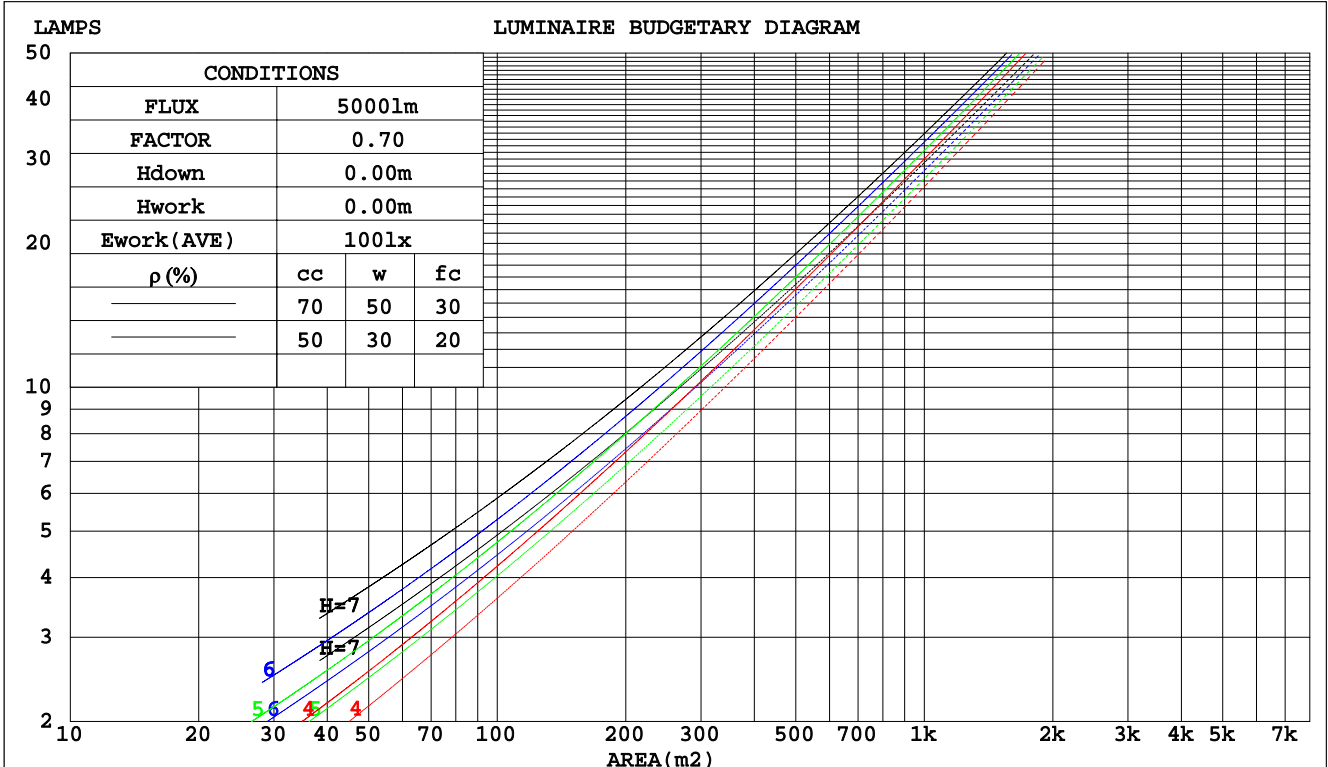
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	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																
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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.81	.79
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.81	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.58	.71	.63	.58	.69	.62	.57	.67	.61	.57	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.54	.50	.48
7.0	.60	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.46	.55	.49	.45	.44
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.52	.46	.41	.51	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10.0	.47	.39	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.44	.38	.34	.33



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

WEC AND CCEC

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-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	.231	.131	.042	.224	.128	.041	.211	.121	.039	.199	.115	.037	.188	.109	.035	
2.0	.227	.124	.038	.221	.122	.037	.210	.117	.036	.199	.112	.035	.190	.107	.034	
3.0	.218	.116	.035	.212	.114	.034	.203	.110	.033	.194	.106	.033	.185	.103	.032	
4.0	.207	.108	.032	.202	.106	.031	.194	.103	.031	.186	.100	.030	.178	.097	.030	
5.0	.196	.100	.029	.192	.099	.029	.184	.096	.028	.177	.093	.028	.171	.091	.027	
6.0	.185	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.025	
7.0	.175	.087	.025	.172	.086	.024	.166	.084	.024	.160	.082	.024	.155	.081	.024	
8.0	.166	.081	.023	.163	.080	.023	.158	.079	.023	.153	.077	.022	.148	.076	.022	
9.0	.158	.076	.021	.155	.076	.021	.150	.074	.021	.145	.073	.021	.141	.072	.021	
10.0	.150	.072	.020	.147	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.019	

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	.141	.150	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.133	.107	.141	.115	.092	.097	.079	.064	.056	.046	.038	.018	.015	.012	
3.0	.155	.115	.083	.133	.099	.072	.091	.069	.050	.053	.040	.030	.017	.013	.010	
4.0	.147	.101	.065	.126	.087	.057	.087	.061	.040	.050	.036	.024	.016	.012	.008	
5.0	.140	.090	.053	.120	.078	.046	.083	.054	.033	.048	.032	.019	.015	.010	.006	
6.0	.134	.081	.044	.115	.071	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.037	.110	.064	.032	.076	.045	.023	.044	.027	.014	.014	.009	.005	
8.0	.122	.069	.032	.105	.059	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.116	.064	.028	.100	.055	.024	.069	.039	.017	.040	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.052	.022	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-UHB2HV-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	26.7	28.1	27.0	28.4	28.7	26.2	27.6	26.6	27.9	28.2
3H	26.6	27.9	27.0	28.2	28.6	26.2	27.4	26.5	27.7	28.1
4H	26.6	27.7	27.0	28.1	28.5	26.1	27.3	26.5	27.6	28.0
6H	26.5	27.6	27.0	28.0	28.4	26.1	27.1	26.5	27.5	27.9
8H	26.5	27.5	26.9	27.9	28.3	26.0	27.0	26.5	27.4	27.8
12H	26.5	27.4	26.9	27.8	28.2	26.0	27.0	26.4	27.3	27.8
4H 2H	26.6	27.7	27.0	28.1	28.5	26.1	27.3	26.5	27.6	28.0
3H	26.6	27.5	27.0	27.9	28.3	26.1	27.0	26.5	27.4	27.8
4H	26.5	27.4	27.0	27.8	28.2	26.1	26.9	26.5	27.3	27.8
6H	26.5	27.2	27.0	27.7	28.1	26.0	26.7	26.5	27.2	27.7
8H	26.5	27.1	26.9	27.6	28.1	26.0	26.7	26.5	27.1	27.6
12H	26.4	27.0	26.9	27.5	28.0	26.0	26.5	26.5	27.0	27.5
8H 4H	26.4	27.1	26.9	27.5	28.0	26.0	26.6	26.4	27.1	27.6
6H	26.4	26.9	26.9	27.4	27.9	25.9	26.5	26.4	27.0	27.4
8H	26.4	26.8	26.9	27.4	27.9	25.9	26.4	26.4	26.9	27.4
12H	26.3	26.8	26.8	27.3	27.8	25.9	26.3	26.4	26.8	27.4
12H 4H	26.4	27.0	26.9	27.5	27.9	25.9	26.5	26.4	27.0	27.5
6H	26.3	26.8	26.9	27.3	27.8	25.9	26.4	26.4	26.8	27.4
8H	26.3	26.8	26.8	27.2	27.8	25.8	26.3	26.4	26.8	27.4
CIE190: 2010										

CIE190: 2010
 Area: 0.173406 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Temperature: 24.8DEG	Humidity: 44.6%
Operators:Alan Wang	Test Distance:2.500m [K=1.0455]
Test Date:30 December 2021	Remarks:

UTILIZATION FACTORS TABLE

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

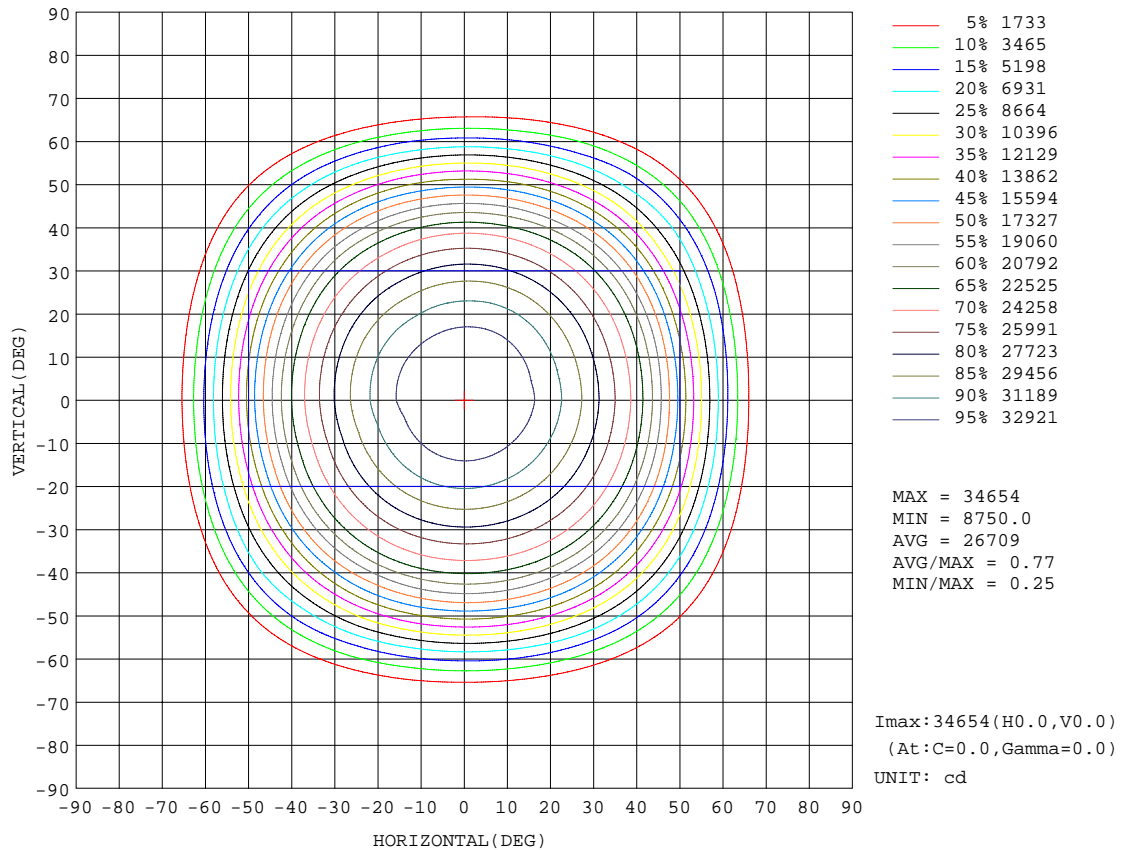
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	50	66	56	50	65	56	50	45
0.80	77	67	61	76	67	61	75	66	61	55
1.00	86	77	71	84	76	71	82	77	70	64
1.25	92	84	79	91	83	78	89	82	77	71
1.50	96	89	84	95	88	83	92	87	82	76
2.00	102	96	91	100	95	90	97	92	89	82
2.50	105	99	94	103	98	94	99	95	92	85
3.00	107	102	98	105	101	97	102	98	95	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	103	105	103	100	92
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: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



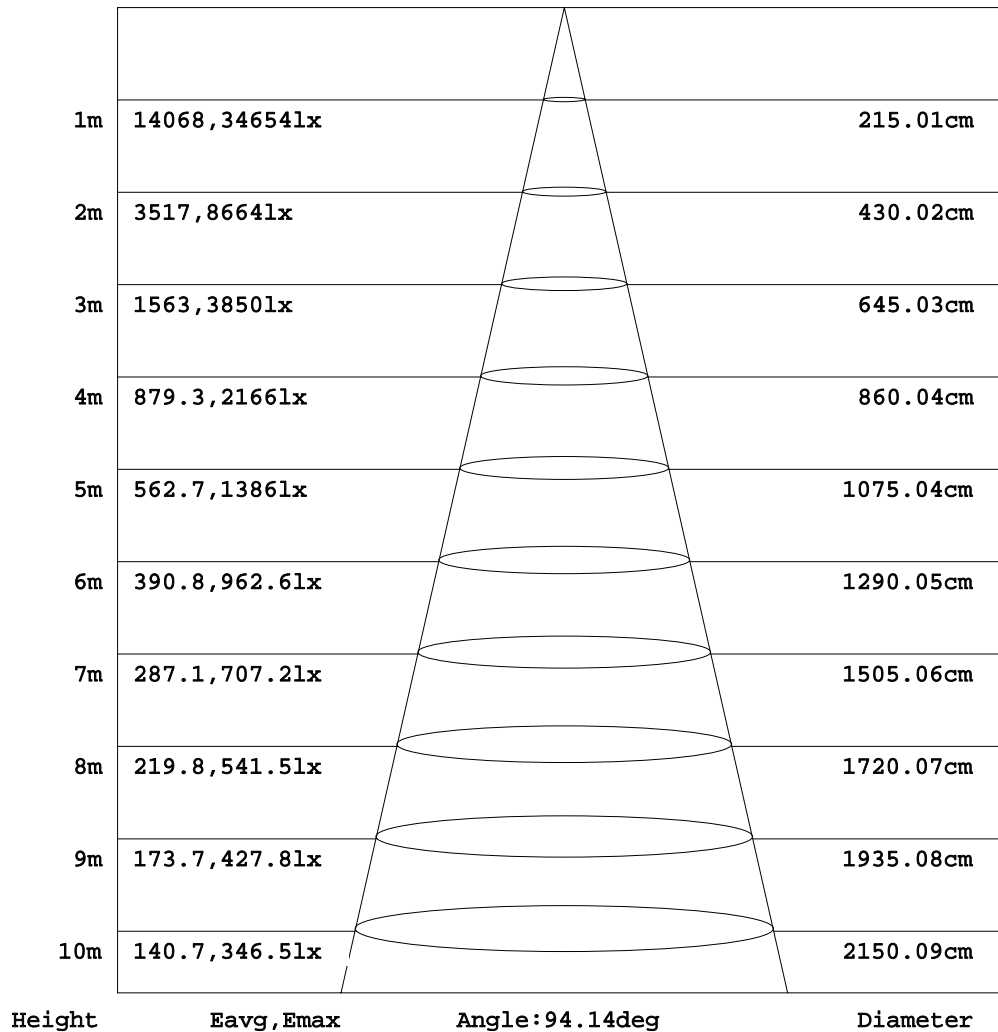
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

AAI Figure

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:54514 lm



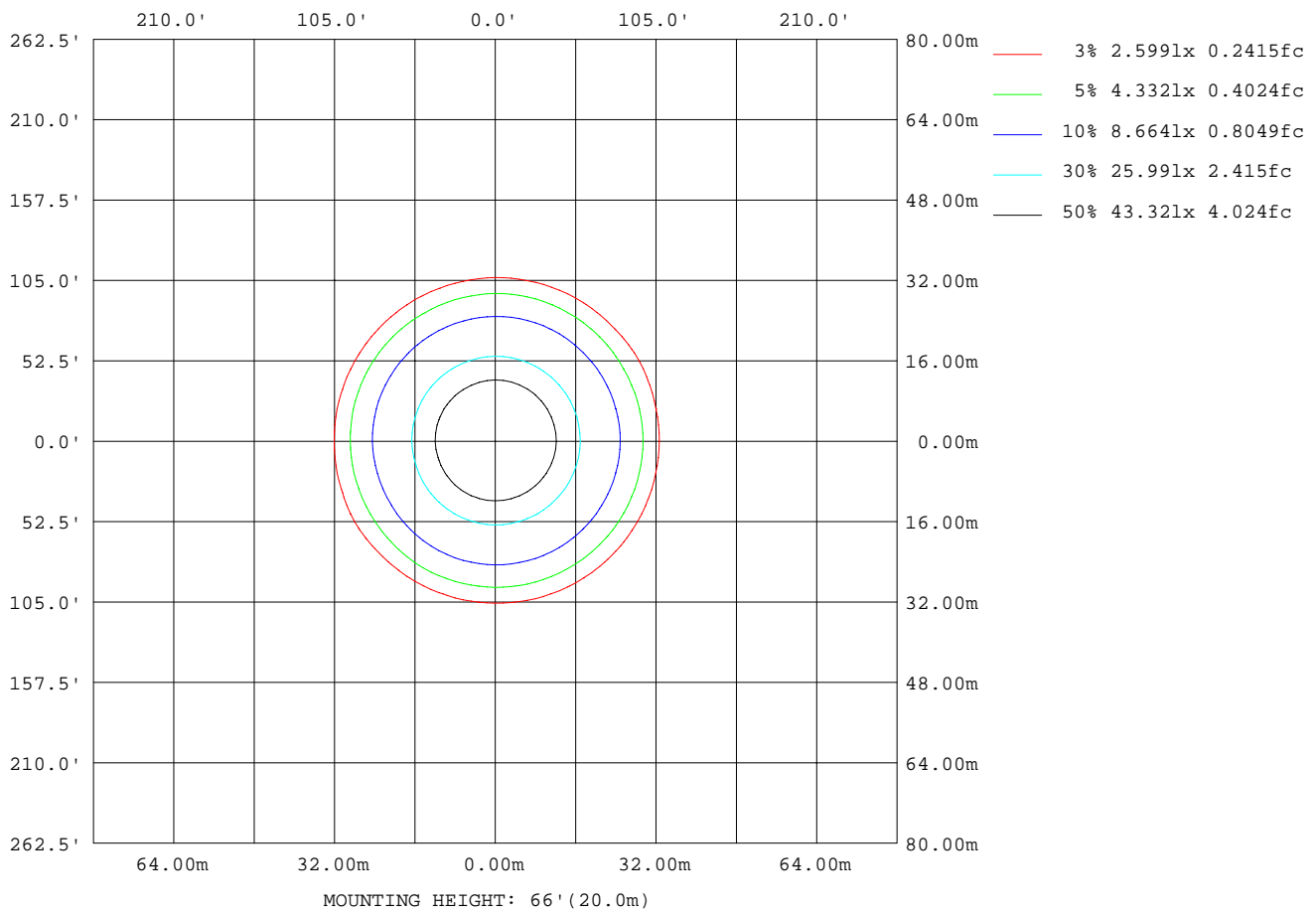
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	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: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

LED Avg.L Report

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-500D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

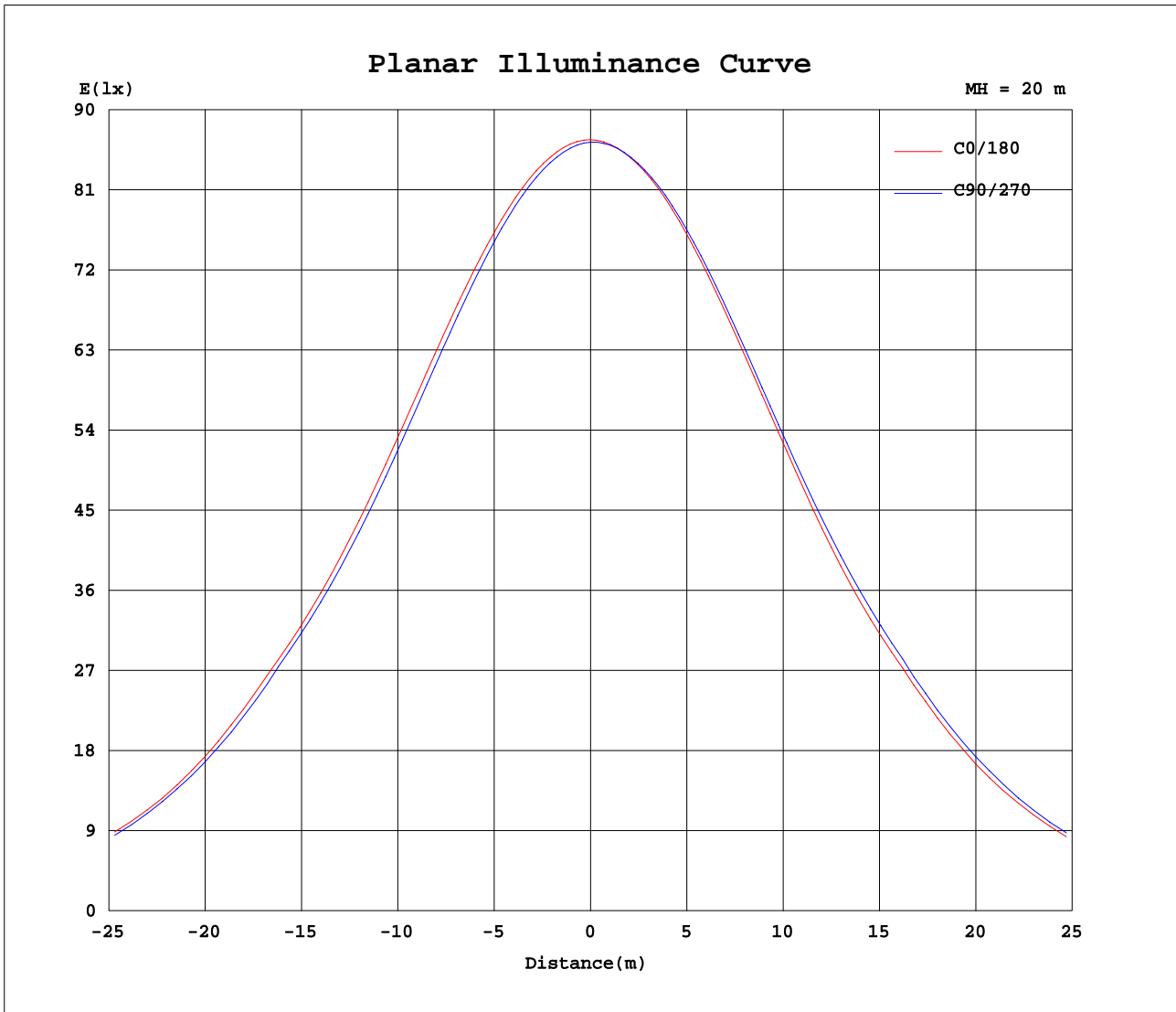
AvgL	cd/m2
L_0~180(65)av	29635
L_0~180(75)av	10334
L_0~180(85)av	6657
L_90~270(65)av	28205
L_90~270(75)av	8739
L_90~270(85)av	5210
L_45(65)av	28824
L_45(75)av	9539
L_45(85)av	5869

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Alan Wang
Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 44.6%
Test Distance: 2.500m [K=1.0455]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Alan Wang
Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 44.6%
Test Distance: 2.500m [K=1.0455]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-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	3465	3462	3461	3460	3457	3456	3454	3452	3451	3449	3449	3447	3465	3462	3461	3460	3457	3456	3454
5	3450	3444	3439	3436	3432	3429	3426	3425	3424	3424	3425	3425	3446	3446	3448	3447	3447	3448	3447
10	3403	3394	3386	3379	3373	3370	3367	3366	3366	3367	3369	3372	3398	3400	3402	3405	3406	3409	3410
15	3321	3309	3295	3285	3277	3272	3271	3270	3271	3272	3275	3281	3309	3315	3320	3322	3324	3329	3334
20	3199	3183	3166	3152	3141	3136	3134	3134	3135	3136	3139	3146	3178	3187	3194	3197	3196	3206	3214
25	3034	3016	2996	2980	2967	2960	2957	2955	2957	2958	2961	2969	3003	3016	3025	3027	3025	3038	3048
30	2828	2810	2791	2775	2760	2752	2747	2744	2744	2745	2745	2748	2780	2794	2808	2816	2819	2830	2843
35	2598	2583	2567	2552	2538	2529	2523	2520	2515	2506	2499	2498	2526	2541	2556	2566	2582	2599	2610
40	2355	2331	2312	2299	2288	2278	2266	2261	2252	2240	2231	2229	2257	2270	2289	2310	2313	2327	2339
45	1963	1950	1940	1927	1910	1903	1894	1884	1862	1852	1842	1841	1864	1882	1904	1928	1934	1950	1958
50	1514	1504	1493	1482	1479	1466	1453	1447	1434	1406	1393	1396	1432	1443	1452	1470	1484	1494	1502
55	1043	1035	1028	1019	1007	1000	992	980	987	956	945	947	961	975	989	1001	1008	1023	1039
60	601	595	586	586	576	569	554	552	547	567	563	560	548	546	549	565	572	585	589
65	233	227	212	206	203	199	195	199	195	191	184	183	201	201	201	201	204	210	218
70	67.5	68.6	68.6	67.6	66.2	65.3	65.1	65.8	67.3	69.2	70.5	70.6	70.5	67.8	64.2	60.3	56.9	54.7	54.2
75	45.2	46.1	46.3	45.5	44.3	43.4	43.0	43.6	44.9	46.5	47.6	47.7	47.5	45.2	42.3	39.3	36.9	35.5	35.4
80	26.1	26.9	27.1	26.5	25.6	24.8	24.4	24.5	25.4	26.5	27.4	27.5	27.5	25.9	23.8	21.8	20.3	19.4	19.4
85	9.43	9.66	9.74	9.69	9.41	9.15	8.83	8.88	9.28	9.36	9.88	10.2	10.7	10.2	9.02	7.93	7.15	6.83	6.92
90	0.51	0.47	1.07	0.99	0.91	0.87	0.89	1.06	1.38	0.95	1.19	1.37	1.68	1.67	1.57	1.39	1.11	0.80	0.49
95	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.19	0.19	0.19	0.19	0.18	0.18	0.18
100	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.31	0.31	0.31	0.30	0.30	0.29	0.29
105	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.46	0.46	0.45	0.45	0.45	0.44	0.44
110	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.60	0.60	0.59	0.59	0.58	0.58	0.58
115	0.38	0.39	0.39	0.41	0.41	0.43	0.43	0.44	0.44	0.44	0.43	0.41	0.77	0.77	0.76	0.77	0.77	0.77	0.77
120	0.52	0.53	0.53	0.55	0.58	0.58	0.60	0.61	0.62	0.61	0.59	0.57	1.01	1.01	1.01	1.03	1.03	1.03	1.03
125	0.72	0.70	0.69	0.73	0.75	0.77	0.80	0.80	0.82	0.80	0.78	0.76	1.36	1.37	1.36	1.39	1.40	1.38	1.39
130	0.95	0.93	0.91	0.95	1.00	0.99	1.02	1.02	1.04	1.02	1.00	0.98	1.72	1.74	1.74	1.78	1.81	1.83	1.83
135	1.20	1.20	1.17	1.18	1.27	1.24	1.29	1.30	1.30	1.26	1.29	1.24	2.06	2.08	2.10	2.15	2.19	2.24	2.24
140	1.45	1.47	1.45	1.45	1.51	1.47	1.54	1.54	1.54	1.53	1.51	1.53	2.31	2.38	2.41	2.50	2.52	2.58	2.55
145	1.73	1.79	1.75	1.75	1.77	1.80	1.82	1.82	1.81	1.78	1.73	1.79	2.65	2.70	2.73	2.83	2.86	2.92	2.88
150	1.96	2.05	2.00	1.96	2.04	2.05	2.05	2.07	2.02	1.99	1.92	1.94	2.93	2.96	2.97	3.08	3.13	3.21	3.14
155	2.24	2.34	2.36	2.21	2.28	2.24	2.23	2.29	2.27	2.23	2.28	2.16	3.21	3.18	3.30	3.33	3.38	3.45	3.32
160	2.53	2.59	2.60	2.42	2.41	2.38	2.36	2.49	2.47	2.49	2.51	2.43	3.53	3.50	3.52	3.62	3.61	3.64	3.53
165	2.70	2.79	2.80	2.71	2.63	2.57	2.53	2.70	2.75	2.78	2.71	2.66	3.67	3.68	3.69	3.78	3.84	3.79	3.69
170	2.88	2.96	2.96	2.87	2.77	2.73	2.69	2.81	2.85	2.80	2.81	2.84	3.75	3.75	3.78	3.81	3.82	3.80	3.67
175	3.20	3.27	3.26	3.22	3.11	3.04	2.91	2.99	3.05	3.10	3.10	3.17	3.69	3.68	3.73	3.74	3.70	3.66	3.54
180	3.45	3.51	3.53	3.59	3.50	3.46	3.26	3.31	3.40	3.44	3.49	3.58	3.49	3.48	3.54	3.54	3.50	3.45	3.37

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:1.7184A P:473.39W PF:0.9945 Freq:60.00Hz Lamp Flux:69185x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-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	3452	3451	3449	3449	3447														
5	3446	3445	3442	3438	3435														
10	3410	3410	3406	3400	3393														
15	3338	3337	3332	3324	3315														
20	3221	3222	3216	3206	3196														
25	3058	3060	3053	3043	3033														
30	2851	2852	2846	2838	2829														
35	2615	2614	2611	2605	2599														
40	2351	2362	2362	2361	2359														
45	1965	1967	1977	1982	1976														
50	1519	1523	1522	1522	1520														
55	1048	1046	1045	1029	1041														
60	595	601	623	643	630														
65	230	242	247	251	250														
70	55.2	57.2	59.9	62.8	65.6														
75	36.3	37.9	40.0	42.2	44.2														
80	20.1	21.4	22.8	24.3	25.6														
85	7.31	7.87	8.50	9.07	9.59														
90	0.29	0.26	0.33	0.41	0.48														
95	0.18	0.18	0.18	0.18	0.18														
100	0.29	0.29	0.29	0.29	0.29														
105	0.43	0.43	0.43	0.43	0.42														
110	0.58	0.57	0.57	0.56	0.55														
115	0.76	0.75	0.75	0.74	0.72														
120	1.02	1.01	1.00	0.97	0.96														
125	1.37	1.37	1.33	1.30	1.30														
130	1.80	1.76	1.69	1.65	1.65														
135	2.21	2.14	2.04	2.00	2.00														
140	2.50	2.40	2.39	2.32	2.30														
145	2.81	2.79	2.69	2.64	2.62														
150	3.06	3.01	2.98	2.90	2.93														
155	3.28	3.24	3.22	3.29	3.25														
160	3.45	3.48	3.50	3.55	3.55														
165	3.55	3.63	3.66	3.68	3.70														
170	3.57	3.63	3.56	3.64	3.72														
175	3.44	3.51	3.42	3.55	3.62														
180	3.32	3.26	3.33	3.38	3.40														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 30 December 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0455]
 Remarks: