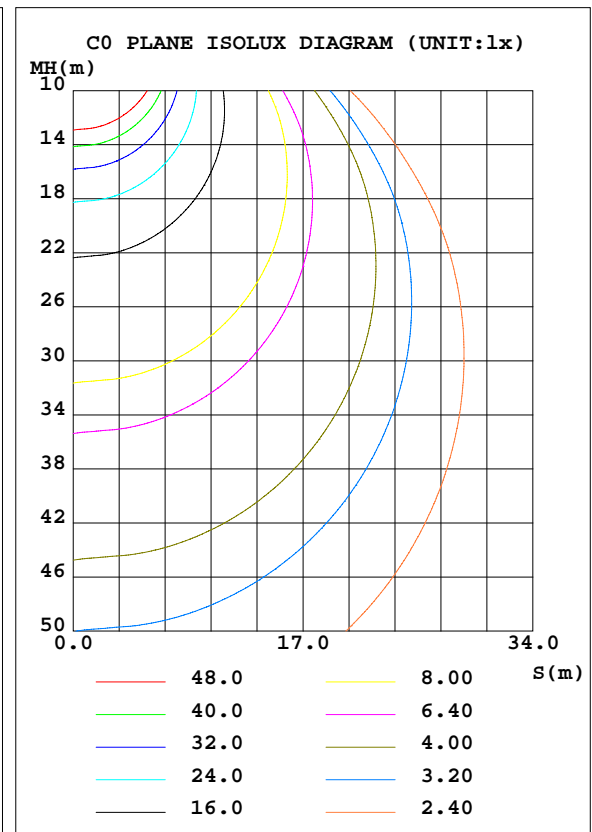
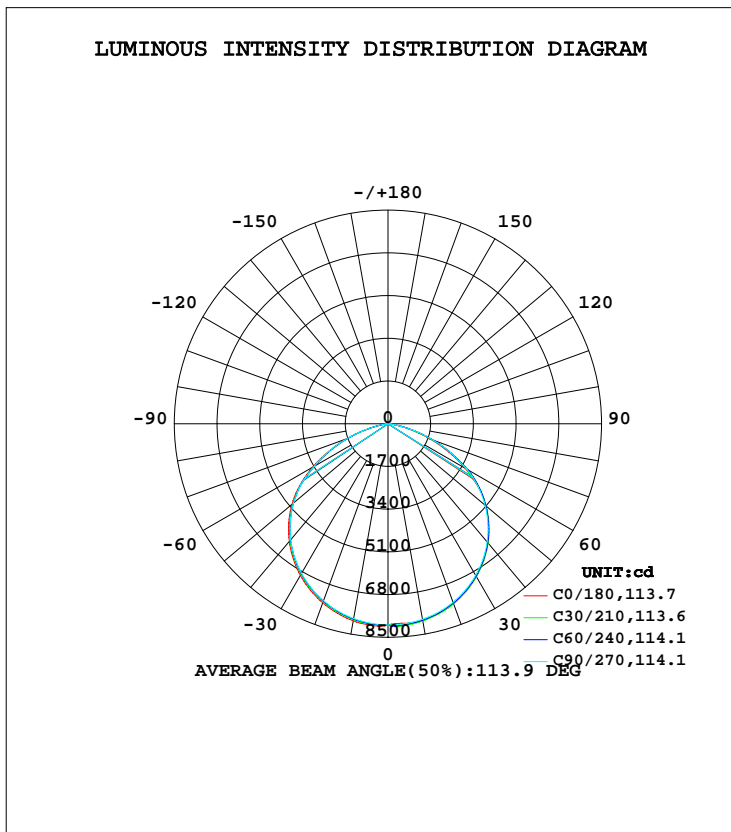


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.84 lm/W			
MODEL	ASD-UHB2-150D35-PRM	Imax(cd)	8083	S/MH(C0/180)	1.29
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	21900	η UP, DN(C0-180)	0.0,50.5
NOMINAL FLUX(lm)	21900	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,49.4
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: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	7940	7954	7904	7851	7965	7908	7874	7860	0- 10	759.8	759.8	3.41,3.41
20	7619	7611	7559	7493	7586	7525	7499	7498	10- 20	2189	2948	13.2,13.2
30	7025	7018	6971	6896	6970	6904	6881	6898	20- 30	3351	6299	28.3,28.3
40	6186	6188	6139	6058	6108	6039	6024	6056	30- 40	4094	10393	46.6,46.6
50	5086	5093	5043	4957	4986	4914	4905	4957	40- 50	4294	14687	65.9,65.9
60	3547	3641	3628	3496	3466	3376	3391	3443	50- 60	3829	18515	83.1,83.1
70	1801	1918	1929	1797	1732	1688	1722	1771	60- 70	2616	21131	94.8,94.8
80	282.3	387.8	403.9	324.2	249.4	275.8	311.3	311.2	70- 80	1045	22176	99.5,99.5
90	0.6143	3.592	5.368	0.8020	1.205	1.273	1.258	1.200	80- 90	86.47	22263	99.9,99.9
100	0.9903	1.022	1.023	1.043	2.152	2.269	2.211	2.155	90-100	1.409	22264	99.9,99.9
110	1.512	1.475	1.548	1.579	2.733	2.813	2.821	2.729	100-110	2.002	22266	99.9,99.9
120	2.406	2.262	2.299	2.389	3.472	3.470	3.456	3.302	110-120	2.444	22269	99.9,99.9
130	3.495	3.272	3.287	3.394	4.810	4.951	5.022	4.542	120-130	3.074	22272	99.9,99.9
140	4.390	4.248	4.342	4.305	5.884	6.262	5.989	5.834	130-140	3.611	22275	100,100
150	4.672	4.606	4.589	4.701	6.682	6.875	6.647	6.585	140-150	3.390	22279	100,100
160	5.586	5.197	4.772	5.366	7.361	7.432	6.911	6.907	150-160	2.732	22282	100,100
170	6.306	6.196	5.926	6.118	7.497	7.644	7.198	6.960	160-170	1.835	22283	100,100
180	7.267	7.267	7.267	7.267	7.016	7.016	7.016	7.016	170-180	0.6549	22284	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 12553 lm

%lum = 56.3%

%lamp = 56.3%

Conical surface Flux(120deg): 18515 lm

%lum = 83.1%

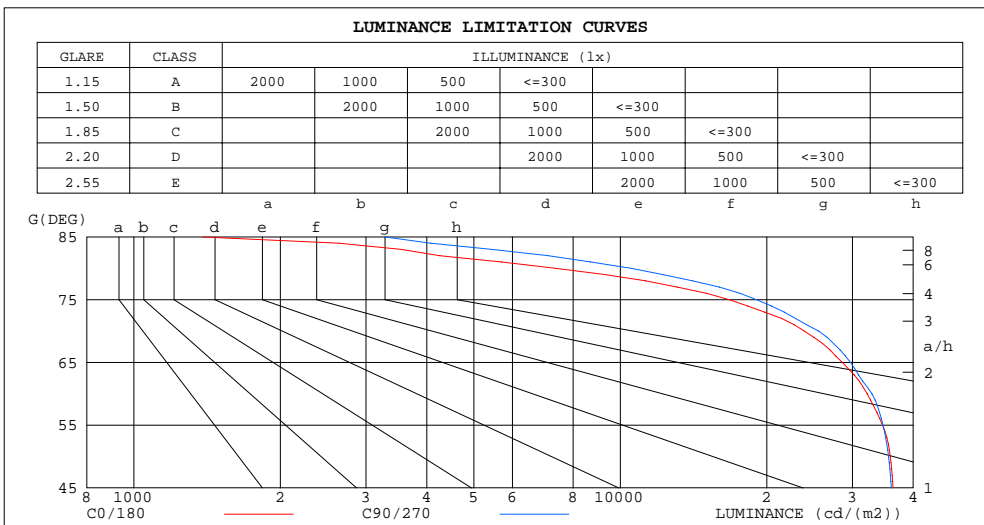
%lamp = 83.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1387	3286
80	7373	10548
75	16752	19056
70	23886	25575
65	28597	29722
60	32172	32910
55	34607	34669
50	35883	35576
45	36356	36070

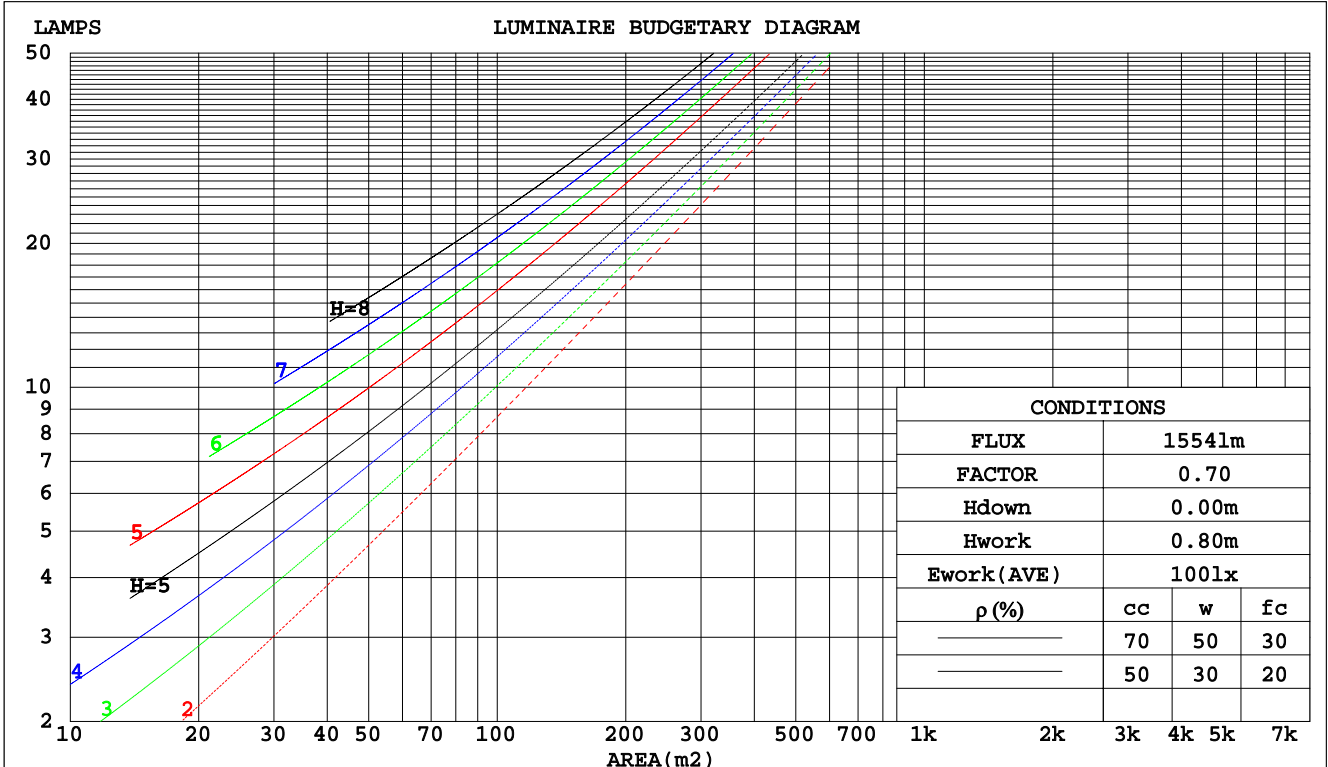
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-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																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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

WEC AND CCEC

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-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	.282	.161	.051	.275	.157	.050	.262	.150	.048	.250	.144	.046	.239	.138	.045	
2.0	.274	.150	.046	.268	.148	.045	.256	.143	.044	.246	.138	.043	.236	.133	.042	
3.0	.258	.137	.041	.252	.135	.041	.242	.131	.040	.233	.128	.039	.224	.124	.038	
4.0	.241	.125	.037	.236	.123	.036	.227	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.032	.204	.108	.032	.197	.105	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.030	.191	.099	.029	.185	.097	.029	
7.0	.195	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.174	.090	.027	
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.164	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.073	.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	.179	.157	.137	.153	.135	.118	.105	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.171	.133	.101	.146	.114	.087	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.163	.115	.077	.140	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.060	.133	.088	.052	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.049	.127	.079	.042	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.141	.083	.041	.122	.072	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
7.0	.135	.076	.034	.116	.066	.030	.080	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.056	.023	.073	.040	.016	.043	.023	.010	.014	.008	.003	
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-UHB2-150D35-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	24.7	26.3	25.1	26.6	27.0	24.7	26.3	25.1	26.6	26.9
3H	26.1	27.5	26.5	27.9	28.2	26.1	27.6	26.5	27.9	28.3
4H	26.4	27.7	26.8	28.1	28.5	26.5	27.8	26.9	28.2	28.6
6H	26.5	27.7	26.9	28.1	28.5	26.6	27.9	27.0	28.2	28.6
8H	26.4	27.6	26.9	28.0	28.4	26.6	27.8	27.0	28.2	28.6
12H	26.4	27.6	26.8	27.9	28.4	26.6	27.7	27.0	28.1	28.6
4H 2H	25.3	26.6	25.7	27.0	27.4	25.2	26.5	25.6	26.9	27.3
3H	26.8	27.9	27.2	28.3	28.7	26.8	27.9	27.2	28.3	28.7
4H	27.2	28.2	27.6	28.6	29.1	27.2	28.2	27.7	28.7	29.1
6H	27.3	28.2	27.8	28.6	29.1	27.4	28.3	27.9	28.7	29.2
8H	27.3	28.1	27.7	28.5	29.0	27.4	28.2	27.9	28.7	29.1
12H	27.3	28.0	27.7	28.5	28.9	27.4	28.1	27.9	28.6	29.1
8H 4H	27.3	28.2	27.8	28.6	29.1	27.3	28.2	27.8	28.6	29.1
6H	27.5	28.1	28.0	28.6	29.1	27.5	28.2	28.0	28.7	29.2
8H	27.4	28.0	28.0	28.6	29.0	27.5	28.1	28.1	28.6	29.1
12H	27.4	28.0	27.9	28.5	29.0	27.5	28.1	28.0	28.6	29.1
12H 4H	27.3	28.1	27.8	28.5	29.0	27.3	28.0	27.8	28.5	29.0
6H	27.5	28.1	28.0	28.5	29.1	27.5	28.1	28.0	28.6	29.1
8H	27.4	28.0	28.0	28.5	29.0	27.5	28.1	28.0	28.6	29.1
CIE190: 2010										

CIE190: 2010
Area: 0.220507 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.3DEG
Operators: Alan Wang
Test Date: 27 January 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 45.2%
Test Distance: 2.500m [K=1.0459]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

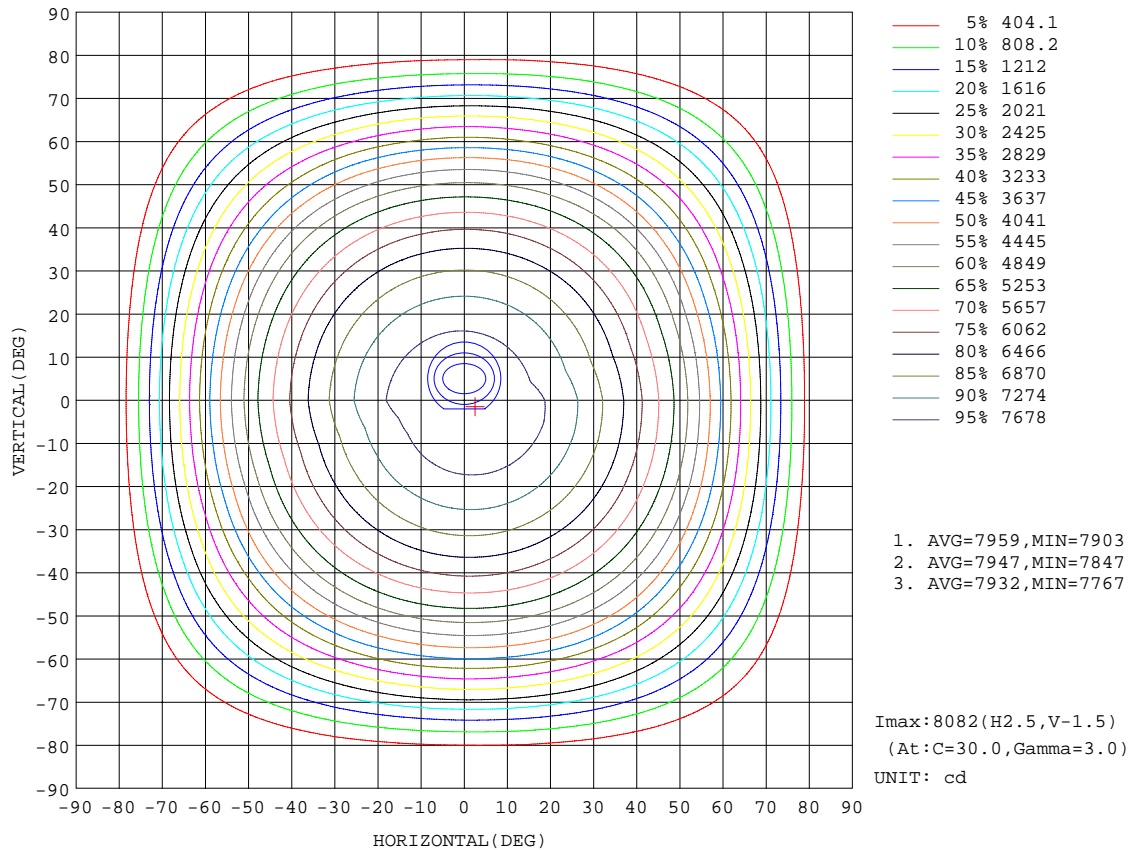
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	58	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	50	43
1.00	78	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	67	81	73	67	60
1.50	90	80	74	88	79	73	85	78	72	65
2.00	97	89	82	95	87	82	91	85	80	73
2.50	100	93	87	98	92	86	95	89	85	77
3.00	104	97	92	101	96	91	98	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
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: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

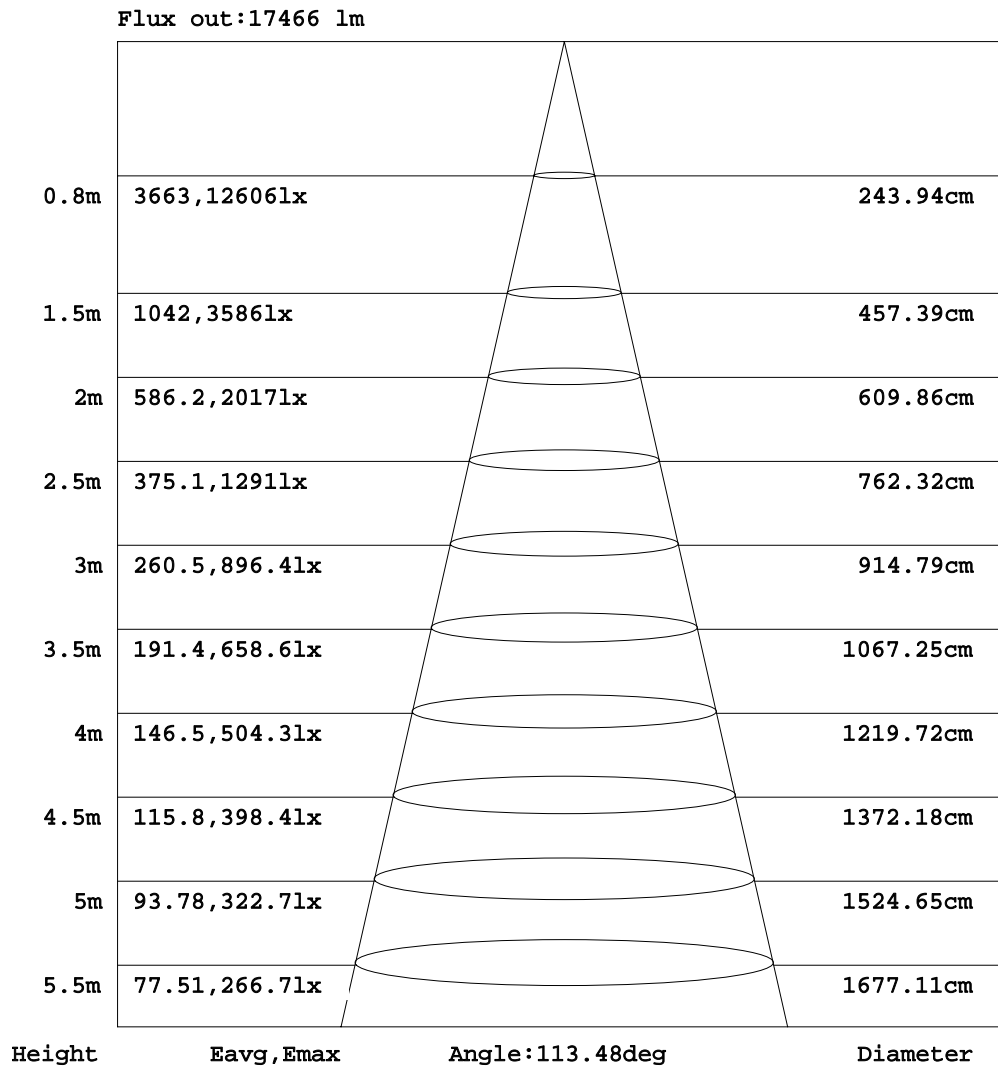


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

AAI Figure

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



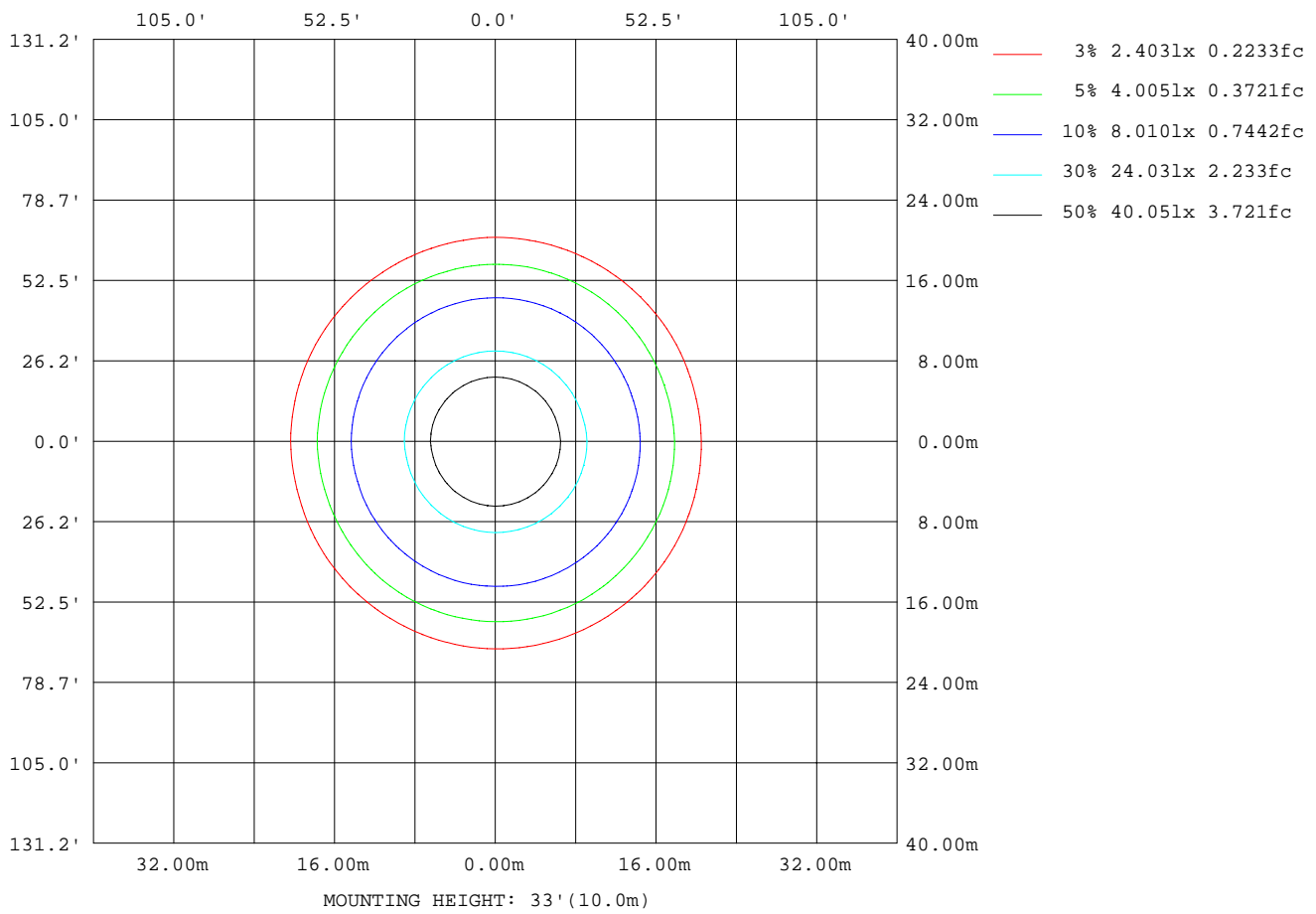
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LED Avg.L Report

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

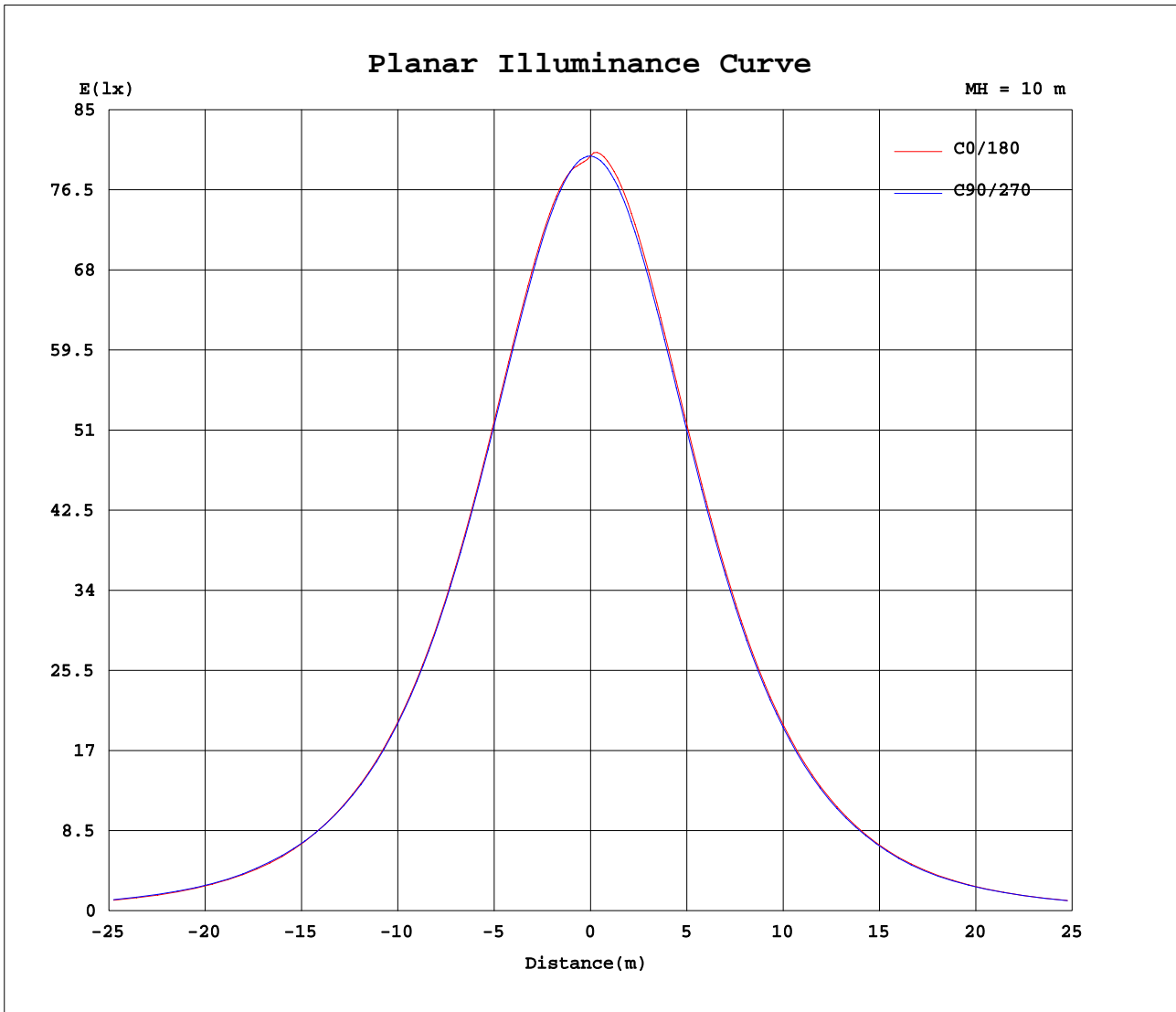
AvgL	cd/m2
L_0~180(65)av	28210
L_0~180(75)av	16154
L_0~180(85)av	1279
L_90~270(65)av	28669
L_90~270(75)av	17481
L_90~270(85)av	2727
L_45(65)av	28462
L_45(75)av	17003
L_45(85)av	2226

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	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	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010
5	7971	8068	8056	8038	8019	8001	7985	7966	7951	7937	7930	8028	8049	8029	8012	7999	7987	7977	7969
10	7940	7985	7970	7954	7937	7920	7904	7885	7868	7851	7835	7881	7965	7941	7923	7908	7893	7881	7874
15	7815	7841	7828	7813	7799	7783	7763	7742	7723	7703	7686	7707	7804	7782	7763	7747	7735	7725	7716
20	7619	7637	7623	7611	7596	7579	7559	7538	7515	7493	7474	7484	7586	7563	7543	7525	7513	7504	7499
25	7354	7368	7358	7345	7331	7315	7294	7272	7248	7224	7202	7203	7309	7285	7263	7245	7231	7223	7220
30	7025	7037	7030	7018	7005	6991	6971	6948	6920	6896	6873	6867	6970	6944	6923	6904	6891	6883	6881
35	6640	6648	6643	6634	6621	6608	6587	6563	6534	6508	6482	6471	6569	6541	6521	6502	6491	6483	6484
40	6186	6196	6194	6188	6174	6162	6139	6111	6083	6058	6030	6015	6108	6078	6057	6039	6028	6021	6024
45	5669	5683	5681	5671	5663	5650	5624	5600	5569	5542	5514	5496	5583	5552	5528	5511	5502	5496	5501
50	5086	5101	5098	5093	5087	5073	5043	5017	4988	4957	4930	4909	4986	4954	4933	4914	4905	4902	4905
55	4377	4412	4437	4441	4437	4415	4385	4356	4323	4290	4267	4236	4290	4252	4240	4226	4223	4221	4233
60	3547	3573	3587	3641	3679	3665	3628	3590	3554	3496	3430	3406	3466	3420	3384	3376	3380	3369	3391
65	2665	2713	2767	2784	2785	2777	2770	2721	2677	2652	2624	2569	2593	2587	2581	2555	2529	2549	2574
70	1801	1845	1878	1918	1950	1945	1929	1898	1855	1797	1741	1704	1732	1703	1705	1688	1697	1697	1722
75	956	989	1037	1082	1106	1111	1088	1067	1034	987	931	876	888	871	865	872	889	897	908
80	282	313	347	388	412	421	404	391	367	324	270	239	249	251	260	276	292	305	311
85	26.7	38.3	49.4	56.1	69.3	72.6	63.1	58.4	57.6	43.2	34.5	22.7	22.5	22.4	27.4	32.9	33.4	39.4	41.7
90	0.61	0.79	2.61	3.59	4.48	4.91	5.37	4.78	0.73	0.80	0.69	0.65	1.21	1.22	1.25	1.27	1.27	1.27	1.26
95	0.77	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	1.66	1.68	1.70	1.73	1.73	1.76	1.74	1.72
100	0.99	0.98	0.99	1.02	1.03	1.03	1.02	1.04	1.04	1.04	1.03	1.01	2.15	2.16	2.22	2.27	2.27	2.25	2.21
105	1.22	1.22	1.20	1.23	1.25	1.27	1.27	1.27	1.29	1.28	1.27	1.26	2.57	2.55	2.58	2.62	2.63	2.62	2.60
110	1.51	1.50	1.47	1.48	1.51	1.54	1.55	1.57	1.57	1.58	1.58	1.56	2.73	2.74	2.78	2.81	2.83	2.83	2.82
115	1.91	1.84	1.83	1.81	1.83	1.87	1.90	1.93	1.93	1.96	1.94	1.92	2.99	2.99	3.01	3.05	3.06	3.06	3.07
120	2.41	2.35	2.28	2.26	2.29	2.28	2.30	2.34	2.36	2.39	2.42	2.39	3.47	3.47	3.45	3.47	3.45	3.43	3.46
125	2.97	2.89	2.77	2.78	2.81	2.69	2.75	2.80	2.83	2.89	2.95	2.91	4.01	4.05	4.05	4.12	4.08	4.09	4.13
130	3.49	3.44	3.38	3.27	3.41	3.31	3.29	3.31	3.39	3.39	3.49	3.51	4.81	4.89	4.96	4.95	5.02	4.99	5.02
135	4.03	4.00	3.88	3.71	3.83	3.99	3.94	3.92	3.88	3.87	3.95	4.00	5.42	5.56	5.63	5.77	5.76	5.69	5.60
140	4.39	4.45	4.32	4.25	4.28	4.38	4.34	4.28	4.26	4.31	4.24	4.30	5.88	6.03	6.08	6.26	6.32	6.17	5.99
145	4.49	4.59	4.48	4.39	4.54	4.51	4.47	4.50	4.52	4.50	4.42	4.46	6.27	6.32	6.40	6.54	6.64	6.57	6.50
150	4.67	4.78	4.71	4.61	4.56	4.65	4.59	4.66	4.64	4.70	4.61	4.62	6.68	6.64	6.71	6.87	6.87	6.75	6.65
155	5.14	5.24	5.18	4.86	4.76	4.87	4.72	4.86	4.91	5.00	5.07	4.94	6.92	6.92	7.11	7.09	7.04	6.95	6.74
160	5.59	5.60	5.49	5.20	4.95	4.98	4.77	5.10	5.20	5.37	5.42	5.36	7.36	7.32	7.28	7.43	7.36	7.16	6.91
165	5.91	6.00	5.97	5.85	5.54	5.47	5.35	5.62	5.80	5.94	5.84	5.78	7.44	7.43	7.52	7.61	7.71	7.59	7.26
170	6.31	6.39	6.38	6.20	5.86	5.89	5.93	5.94	6.10	6.12	6.08	6.09	7.50	7.49	7.55	7.64	7.66	7.55	7.20
175	7.08	7.06	6.98	6.72	6.44	6.36	6.25	6.28	6.43	6.55	6.62	6.69	7.56	7.54	7.56	7.65	7.60	7.50	7.21
180	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.02	7.02	7.02	7.02	7.02	7.02	7.02

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.02V I:1.2661A P:151.76W PF:0.9987 Freq:60.01Hz Lamp Flux:21900x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-150D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	8010	8010	8010	8010	8010														
5	7960	7953	7947	7941	7937														
10	7868	7862	7860	7857	7854														
15	7711	7710	7709	7708	7708														
20	7496	7498	7498	7500	7505														
25	7220	7224	7227	7233	7239														
30	6886	6890	6898	6905	6912														
35	6491	6497	6508	6518	6526														
40	6034	6043	6056	6066	6078														
45	5513	5525	5541	5554	5565														
50	4918	4936	4957	4974	4990														
55	4253	4270	4272	4274	4286														
60	3407	3429	3443	3440	3460														
65	2587	2599	2619	2647	2643														
70	1743	1765	1771	1774	1779														
75	939	951	941	928	934														
80	327	328	311	295	305														
85	44.0	39.9	38.8	36.6	33.5														
90	1.24	1.22	1.20	1.18	1.17														
95	1.70	1.68	1.64	1.61	1.57														
100	2.20	2.18	2.16	2.12	2.04														
105	2.59	2.57	2.53	2.51	2.43														
110	2.80	2.76	2.73	2.68	2.58														
115	3.05	3.01	2.97	2.89	2.83														
120	3.42	3.36	3.30	3.28	3.25														
125	4.03	3.88	3.84	3.74	3.78														
130	4.87	4.72	4.54	4.62	4.59														
135	5.41	5.22	5.24	5.31	5.22														
140	5.78	5.87	5.83	5.81	5.74														
145	6.22	6.23	6.20	6.12	6.02														
150	6.51	6.46	6.58	6.57	6.33														
155	6.74	6.74	6.71	6.99	6.62														
160	6.85	6.87	6.91	7.19	6.86														
165	7.20	7.09	7.08	7.26	6.94														
170	7.11	7.10	6.96	7.22	6.92														
175	7.05	6.98	7.10	7.25	7.07														
180	7.02	7.02	7.02	7.02	7.02														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 45.2%
 Test Distance: 2.500m [K=1.0459]
 Remarks: