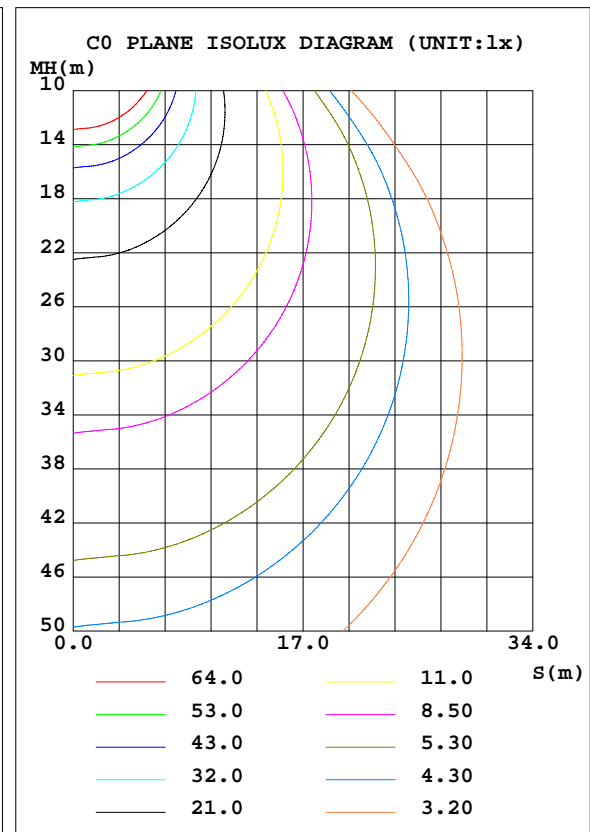
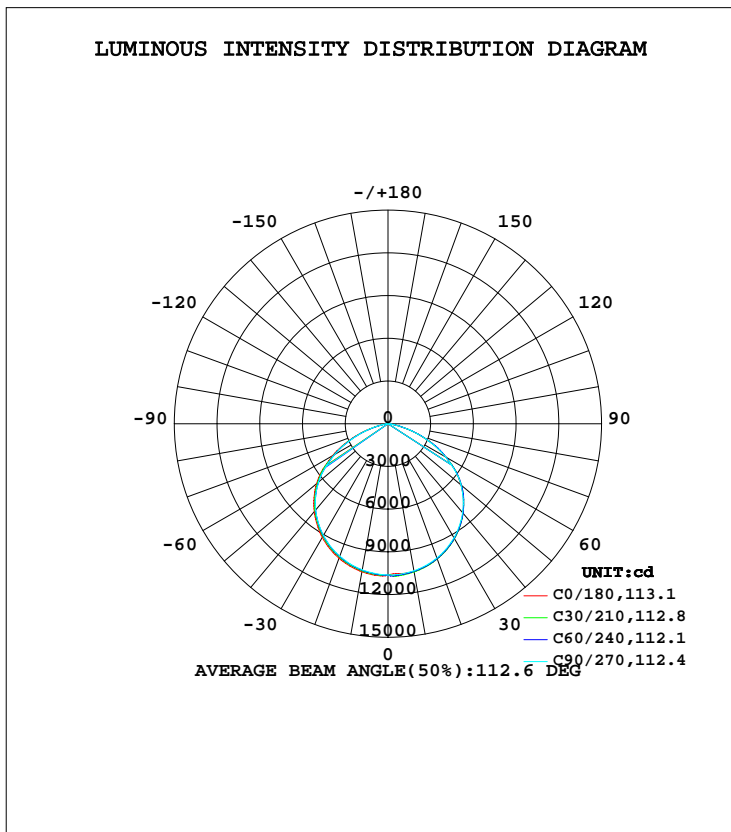


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.25 lm/W			
MODEL	ASD-UHB2-200D35-PRM	I _{max} (cd)	10729	S/MH(C0/180)	1.29
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	29200	η UP, DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	29200	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,49.2
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: 24.4DEG
 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: 47.0%
 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	1052	1055	1049	1041	1056	1047	1042	1040	0- 10	1007	1007	3.44,3.44
20	1009	1010	1003	993.7	1005	994.7	989.9	990.5	10- 20	2899	3906	13.4,13.4
30	930.8	931.7	926.0	914.9	922.1	910.6	906.4	909.1	20- 30	4435	8341	28.5,28.5
40	817.8	820.6	815.2	802.3	805.5	793.7	790.3	795.6	30- 40	5410	13750	47,47
50	669.4	673.5	669.4	655.2	654.8	640.4	635.3	647.1	40- 50	5656	19407	66.4,66.4
60	468.8	470.8	467.4	449.0	449.4	436.4	431.9	449.3	50- 60	4986	24392	83.4,83.4
70	242.6	246.7	243.1	224.4	221.8	214.5	211.9	228.8	60- 70	3378	27770	95,95
80	46.70	49.60	46.57	38.25	37.65	34.48	35.42	41.55	70- 80	1331	29101	99.5,99.5
90	0.5293	0.9090	0.3744	0.4051	0.1653	0.1655	0.1609	0.1698	80- 90	117.7	29219	99.9,99.9
100	0.1291	0.1285	0.1299	0.1351	0.2888	0.2882	0.2853	0.2740	90-100	1.939	29221	99.9,99.9
110	0.1965	0.1885	0.1971	0.2072	0.3629	0.3662	0.3666	0.3527	100-110	2.596	29223	99.9,99.9
120	0.3124	0.2902	0.2952	0.3127	0.4579	0.4537	0.4534	0.4303	110-120	3.183	29227	99.9,99.9
130	0.4529	0.4223	0.4242	0.4439	0.6312	0.6479	0.6597	0.5961	120-130	4.014	29231	99.9,99.9
140	0.5709	0.5531	0.5649	0.5638	0.7710	0.8234	0.7903	0.7696	130-140	4.726	29235	100,100
150	0.6109	0.6034	0.6006	0.6176	0.8737	0.9040	0.8774	0.8676	140-150	4.449	29240	100,100
160	0.7315	0.6809	0.6267	0.7025	0.9628	0.9731	0.9121	0.9075	150-160	3.587	29243	100,100
170	0.8273	0.8139	0.7761	0.8046	0.9870	1.005	0.9431	0.9090	160-170	2.408	29246	100,100
180	0.9500	0.9500	0.9500	0.9500	0.9171	0.9171	0.9171	0.9171	170-180	0.8587	29247	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 16599 lm

%lum = 56.8%

%lamp = 56.8%

Conical surface Flux(120deg): 24392 lm

%lum = 83.4%

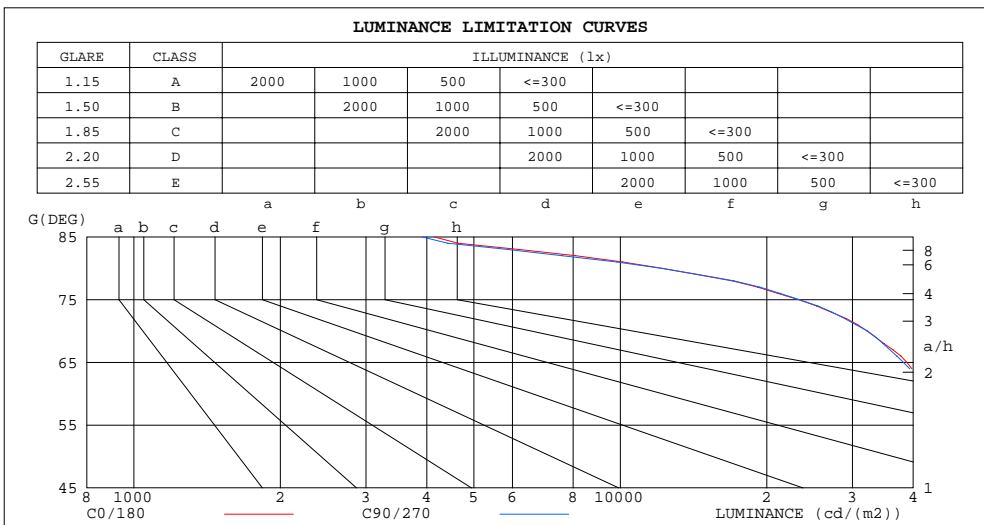
%lamp = 83.4%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4148	3918
80	12196	12163
75	23304	23345
70	32171	32233
65	38808	38214
60	42521	42391
55	45776	45518
50	47227	47228
45	48005	47889

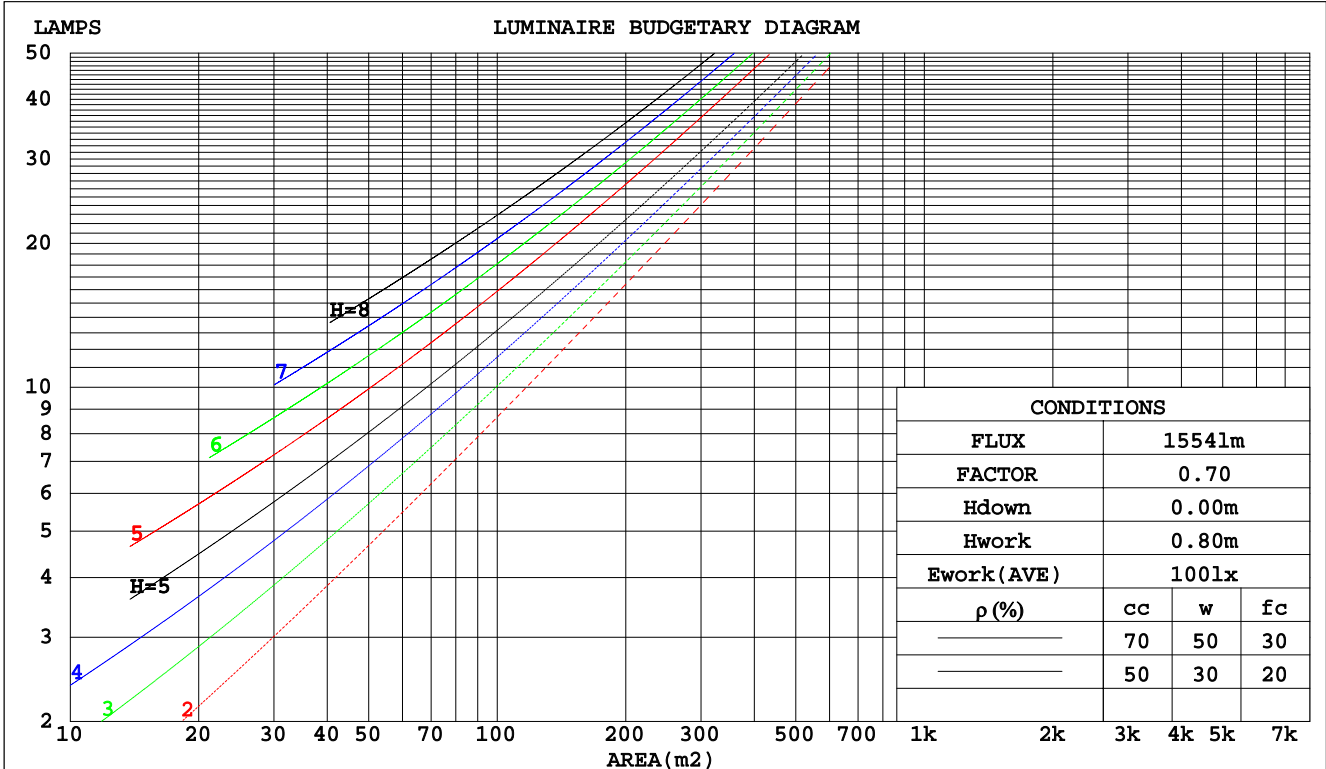
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-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	1.05	1.01	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.65	.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	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.47	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

WEC AND CCEC

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-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	.281	.160	.051	.274	.156	.050	.261	.150	.048	.249	.143	.046	.238	.138	.044	
2.0	.273	.150	.046	.267	.147	.045	.255	.142	.044	.244	.137	.043	.235	.133	.042	
3.0	.257	.137	.041	.251	.135	.041	.241	.131	.040	.232	.127	.039	.223	.123	.038	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.210	.114	.035	
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.204	.107	.032	.197	.105	.032	
6.0	.208	.104	.030	.205	.103	.030	.197	.101	.029	.191	.099	.029	.184	.097	.029	
7.0	.195	.096	.027	.191	.095	.027	.185	.093	.027	.179	.092	.027	.173	.090	.026	
8.0	.182	.089	.025	.179	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.171	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.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	.170	.133	.101	.146	.114	.087	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.163	.115	.077	.139	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.060	.133	.088	.053	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.049	.127	.079	.043	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.141	.083	.041	.121	.072	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
7.0	.135	.076	.035	.116	.066	.030	.080	.046	.021	.046	.027	.013	.015	.009	.004	
8.0	.128	.070	.030	.111	.061	.026	.076	.043	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.065	.026	.106	.056	.023	.073	.040	.016	.043	.023	.010	.014	.008	.003	
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-UHB2-200D35-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	25.7	27.3	26.1	27.6	27.9	25.5	27.1	25.9	27.4	27.7
3H	27.1	28.5	27.4	28.8	29.2	26.9	28.3	27.3	28.7	29.0
4H	27.4	28.7	27.8	29.1	29.5	27.2	28.6	27.6	28.9	29.3
6H	27.5	28.7	27.9	29.1	29.5	27.3	28.6	27.8	28.9	29.3
8H	27.5	28.7	27.9	29.1	29.5	27.3	28.5	27.8	28.9	29.3
12H	27.5	28.6	27.9	29.0	29.4	27.3	28.4	27.7	28.8	29.3
4H 2H	26.2	27.6	26.6	27.9	28.3	26.0	27.3	26.4	27.7	28.1
3H	27.8	28.9	28.2	29.3	29.7	27.5	28.7	27.9	29.1	29.5
4H	28.2	29.2	28.6	29.6	30.0	27.9	28.9	28.4	29.4	29.8
6H	28.3	29.2	28.8	29.7	30.1	28.1	29.0	28.5	29.4	29.9
8H	28.3	29.1	28.8	29.6	30.1	28.1	28.9	28.5	29.3	29.8
12H	28.3	29.0	28.8	29.5	30.0	28.1	28.8	28.5	29.3	29.7
8H 4H	28.3	29.1	28.8	29.6	30.0	28.0	28.8	28.5	29.3	29.8
6H	28.5	29.2	29.0	29.6	30.1	28.2	28.9	28.7	29.3	29.8
8H	28.5	29.1	29.0	29.6	30.1	28.2	28.8	28.7	29.3	29.8
12H	28.5	29.0	29.0	29.5	30.1	28.2	28.7	28.7	29.2	29.7
12H 4H	28.3	29.0	28.8	29.5	30.0	28.0	28.7	28.5	29.2	29.7
6H	28.5	29.1	29.0	29.5	30.1	28.2	28.8	28.7	29.2	29.8
8H	28.5	29.0	29.0	29.5	30.1	28.2	28.7	28.7	29.2	29.7
CIE190: 2010										

CIE190: 2010
Area: 0.220507 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.4DEG
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: 47.0%
Test Distance: 2.500m [K=1.0459]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

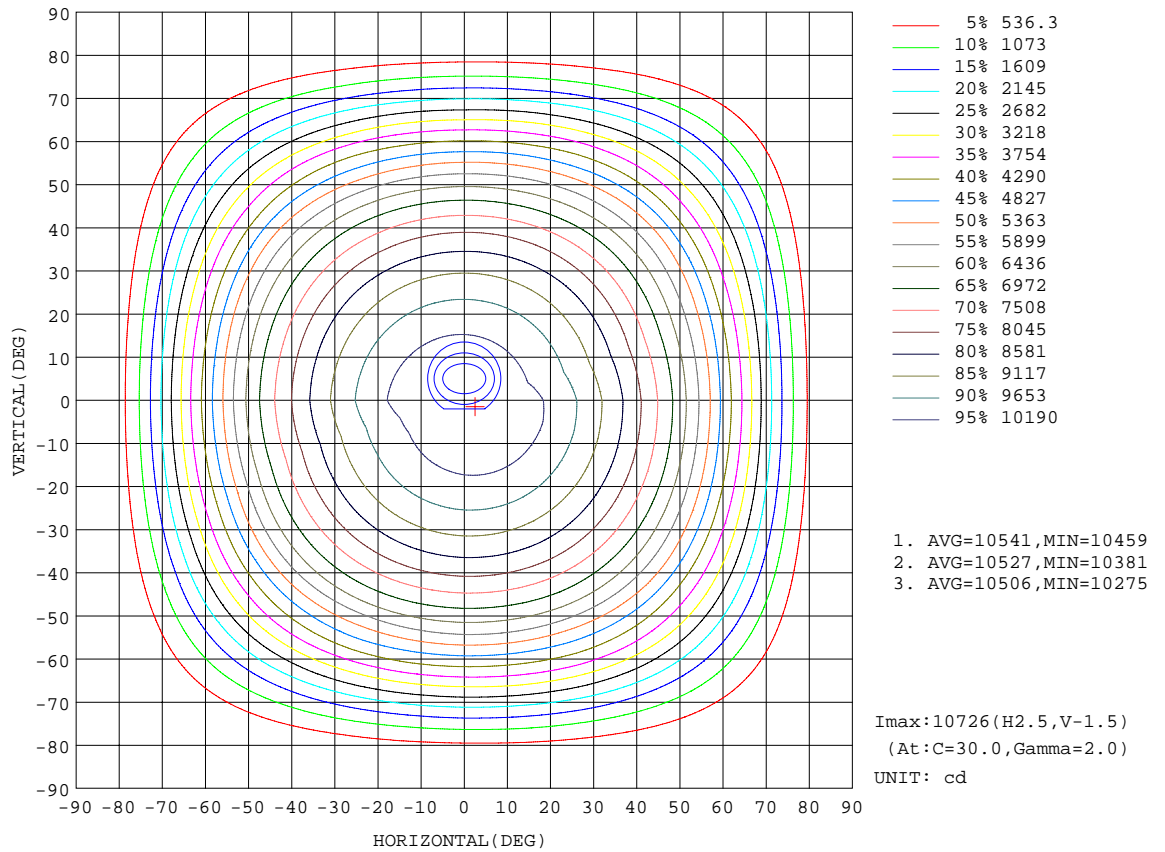
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	47	40	58	47	40	57	46	40	34
0.80	69	58	50	68	57	50	66	56	50	43
1.00	78	67	60	77	66	60	74	68	59	52
1.25	85	75	68	83	74	68	81	73	67	60
1.50	90	81	74	88	80	73	85	78	72	65
2.00	97	89	83	95	88	82	92	85	80	73
2.50	100	93	88	98	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	100	97	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: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

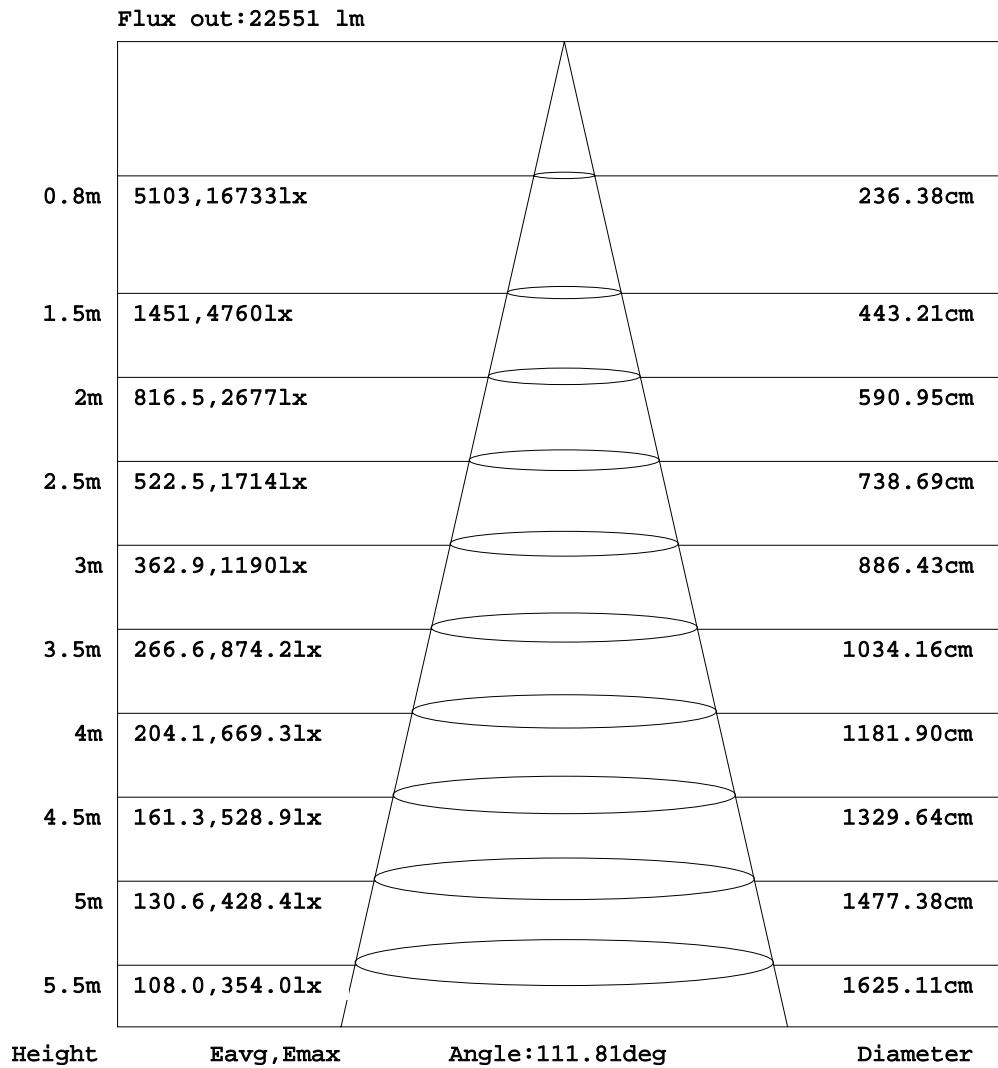


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 Operators: Alan Wang
 Test Date: 27 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

AAI Figure

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



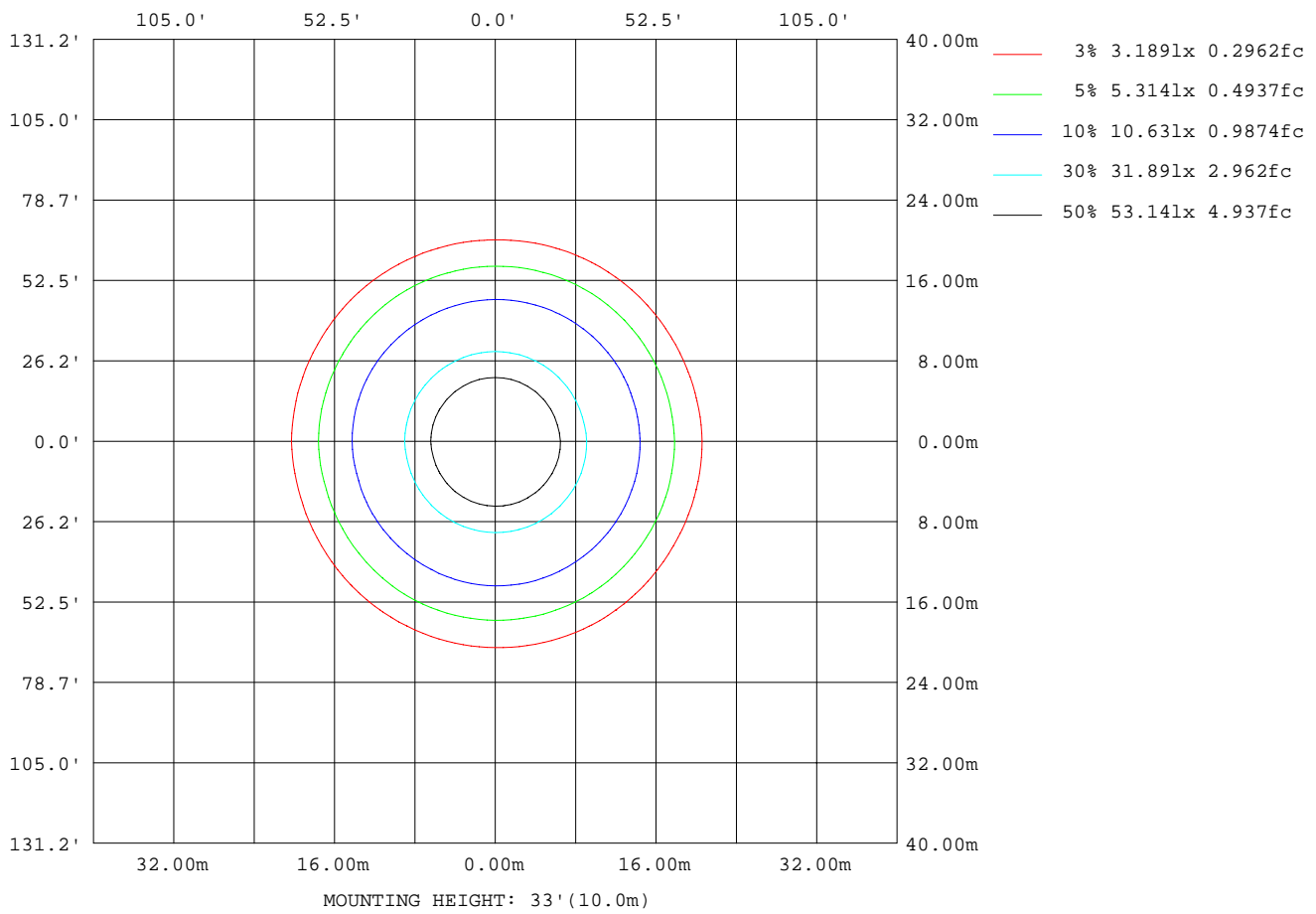
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LED Avg.L Report

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

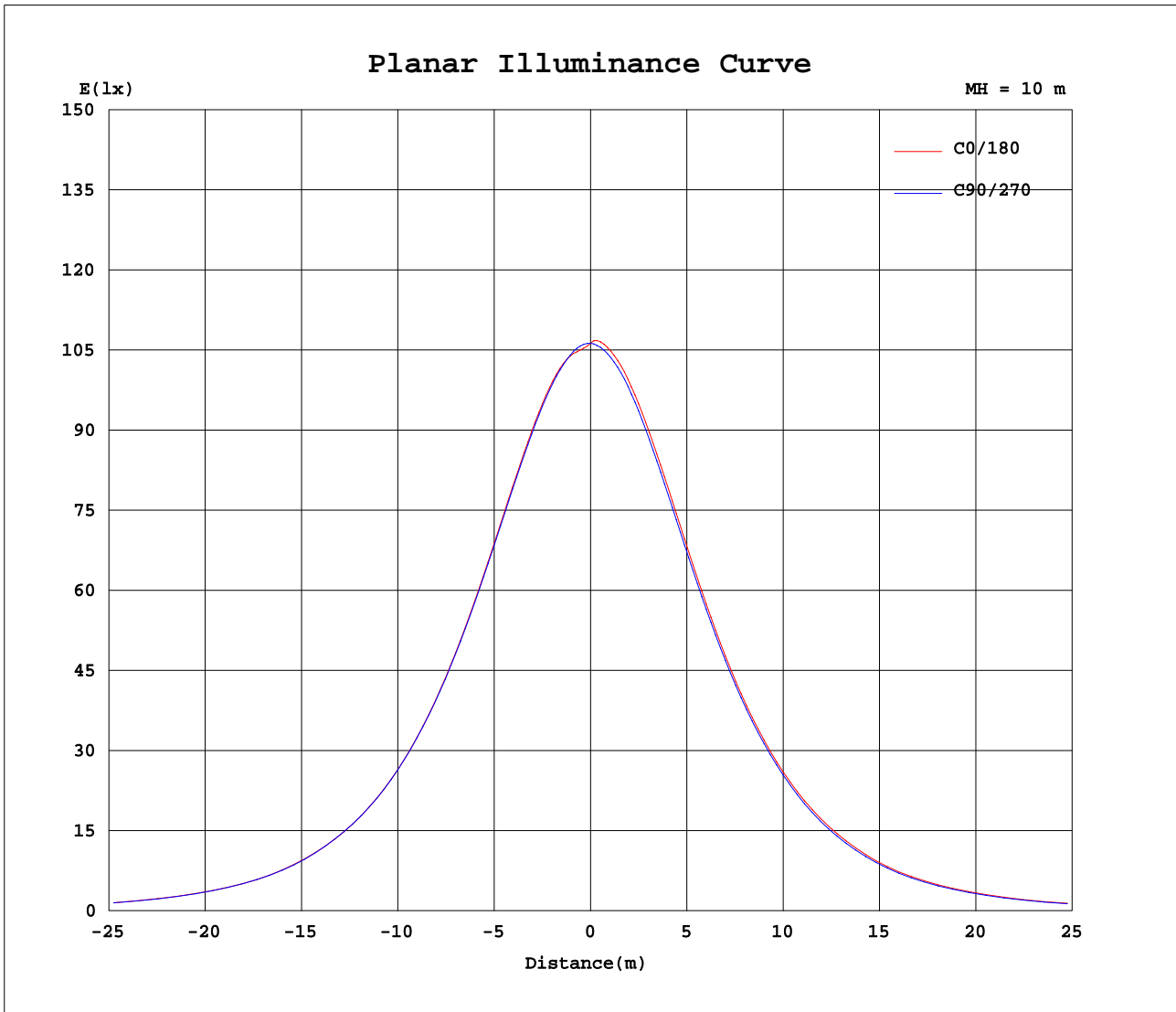
AvgL	cd/m2
L_0~180(65)av	37555
L_0~180(75)av	21619
L_0~180(85)av	3368
L_90~270(65)av	36392
L_90~270(75)av	21285
L_90~270(85)av	2988
L_45(65)av	36855
L_45(75)av	21392
L_45(85)av	3100

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.4DEG
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: 47.0%
Test Distance: 2.500m [K=1.0459]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-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	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063	1063
5	1056	1070	1069	1067	1064	1062	1060	1057	1054	1052	1051	1064	1067	1064	1062	1060	1058	1057	1055
10	1052	1059	1057	1055	1053	1051	1049	1046	1043	1041	1038	1044	1056	1052	1049	1047	1045	1043	1042
15	1035	1039	1038	1037	1035	1033	1030	1027	1024	1021	1018	1021	1035	1031	1028	1025	1023	1021	1020
20	1009	1012	1011	1010	1008	1006	1003	1000	997	994	990	991	1005	1001	998	995	993	991	990
25	974	976	976	975	973	971	969	965	962	958	954	954	968	963	960	957	954	953	952
30	931	933	933	932	930	929	926	923	919	915	911	908	922	918	914	911	908	907	906
35	879	881	881	880	879	878	875	871	867	863	858	855	868	863	859	856	854	853	852
40	818	820	821	821	820	818	815	811	807	802	798	794	805	801	797	794	791	790	790
45	749	751	752	752	752	750	747	742	738	733	728	724	735	730	726	722	719	719	719
50	669	672	673	674	674	672	669	665	660	655	650	645	655	650	646	640	637	635	635
55	579	580	582	581	580	580	576	568	558	554	551	547	558	557	553	545	539	538	540
60	469	471	470	471	473	470	467	463	458	449	442	439	449	443	439	436	435	431	432
65	362	362	361	365	366	362	356	351	343	339	333	331	338	335	330	327	322	322	322
70	243	243	244	247	248	245	243	237	231	224	219	215	222	220	217	215	212	211	212
75	133	135	137	137	137	136	133	128	123	119	116	112	114	113	112	110	107	108	110
80	46.7	48.6	49.2	49.6	49.4	48.8	46.6	44.6	41.2	38.2	36.1	33.9	37.7	36.9	34.5	34.5	33.9	34.3	35.4
85	7.97	7.53	8.52	8.65	8.56	8.14	7.53	6.90	6.32	5.52	4.84	4.18	4.97	4.07	4.21	4.26	4.33	3.92	3.96
90	0.53	0.46	0.89	0.91	0.87	0.55	0.37	0.57	0.49	0.41	0.32	0.20	0.17	0.17	0.17	0.17	0.16	0.16	0.16
95	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.23	0.23	0.23	0.23	0.22	0.22	0.22
100	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.29	0.29	0.29	0.29	0.29	0.29	0.29
105	0.16	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.34	0.34	0.34	0.34	0.34	0.34	0.34
110	0.20	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.36	0.36	0.37	0.37	0.37	0.37	0.37
115	0.25	0.24	0.24	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.40	0.39	0.40	0.40	0.40	0.40	0.40
120	0.31	0.31	0.29	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.46	0.46	0.45	0.45	0.45	0.45	0.45
125	0.39	0.38	0.36	0.36	0.36	0.35	0.35	0.36	0.37	0.38	0.39	0.38	0.53	0.53	0.53	0.54	0.53	0.54	0.54
130	0.45	0.45	0.44	0.42	0.44	0.43	0.42	0.43	0.44	0.44	0.46	0.46	0.63	0.64	0.65	0.65	0.66	0.66	0.66
135	0.52	0.52	0.50	0.48	0.50	0.52	0.51	0.51	0.51	0.51	0.52	0.53	0.71	0.73	0.74	0.76	0.76	0.75	0.74
140	0.57	0.58	0.56	0.55	0.56	0.57	0.56	0.56	0.56	0.56	0.56	0.56	0.77	0.79	0.80	0.82	0.83	0.81	0.79
145	0.59	0.60	0.58	0.58	0.59	0.59	0.58	0.59	0.59	0.59	0.58	0.58	0.82	0.83	0.84	0.86	0.87	0.87	0.86
150	0.61	0.63	0.62	0.60	0.60	0.61	0.60	0.61	0.61	0.62	0.60	0.61	0.87	0.87	0.88	0.90	0.91	0.89	0.88
155	0.67	0.68	0.68	0.64	0.62	0.64	0.62	0.64	0.65	0.66	0.66	0.65	0.91	0.91	0.93	0.93	0.93	0.92	0.89
160	0.73	0.73	0.72	0.68	0.65	0.65	0.63	0.67	0.68	0.70	0.71	0.70	0.96	0.96	0.95	0.97	0.97	0.94	0.91
165	0.77	0.78	0.78	0.77	0.73	0.72	0.70	0.74	0.76	0.78	0.77	0.76	0.97	0.97	0.98	1.00	1.01	1.00	0.95
170	0.83	0.84	0.84	0.81	0.77	0.77	0.78	0.78	0.80	0.80	0.80	0.80	0.99	0.99	0.99	1.00	1.00	0.99	0.94
175	0.93	0.93	0.92	0.88	0.85	0.83	0.82	0.82	0.84	0.86	0.87	0.88	0.99	0.99	0.99	1.00	1.00	0.98	0.94
180	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.92	0.92

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.11V I:1.6555A P:198.62W PF:0.9989 Freq:60.01Hz Lamp Flux:29200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2-200D35-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	1063	1063	1063	1063	1063														
5	1054	1053	1052	1051	1051														
10	1041	1041	1040	1040	1040														
15	1020	1019	1019	1020	1020														
20	990	990	990	991	993														
25	952	953	954	955	957														
30	907	908	909	911	913														
35	854	855	857	859	862														
40	792	794	796	798	801														
45	720	723	726	729	733														
50	638	642	647	652	656														
55	545	551	558	564	568														
60	437	443	449	455	461														
65	330	337	343	345	353														
70	216	223	229	235	239														
75	113	117	123	128	132														
80	37.3	39.7	41.6	45.2	47.3														
85	4.50	4.85	5.40	6.13	6.73														
90	0.16	0.16	0.17	0.17	0.19														
95	0.22	0.21	0.21	0.21	0.20														
100	0.28	0.28	0.27	0.27	0.26														
105	0.33	0.33	0.33	0.32	0.32														
110	0.36	0.36	0.35	0.35	0.34														
115	0.40	0.39	0.39	0.38	0.37														
120	0.45	0.44	0.43	0.43	0.42														
125	0.53	0.51	0.50	0.49	0.49														
130	0.64	0.62	0.60	0.61	0.60														
135	0.71	0.69	0.69	0.70	0.68														
140	0.76	0.78	0.77	0.76	0.75														
145	0.82	0.82	0.82	0.81	0.79														
150	0.86	0.85	0.87	0.86	0.83														
155	0.89	0.89	0.88	0.92	0.87														
160	0.90	0.90	0.91	0.94	0.90														
165	0.94	0.93	0.93	0.95	0.91														
170	0.93	0.93	0.91	0.95	0.91														
175	0.92	0.91	0.93	0.95	0.93														
180	0.92	0.92	0.92	0.92	0.92														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 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: 47.0%
 Test Distance: 2.500m [K=1.0459]
 Remarks: