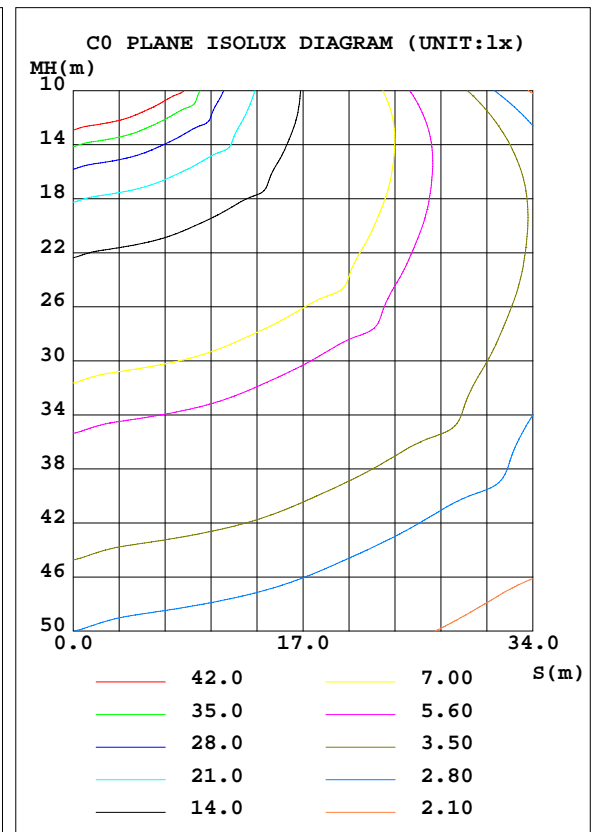
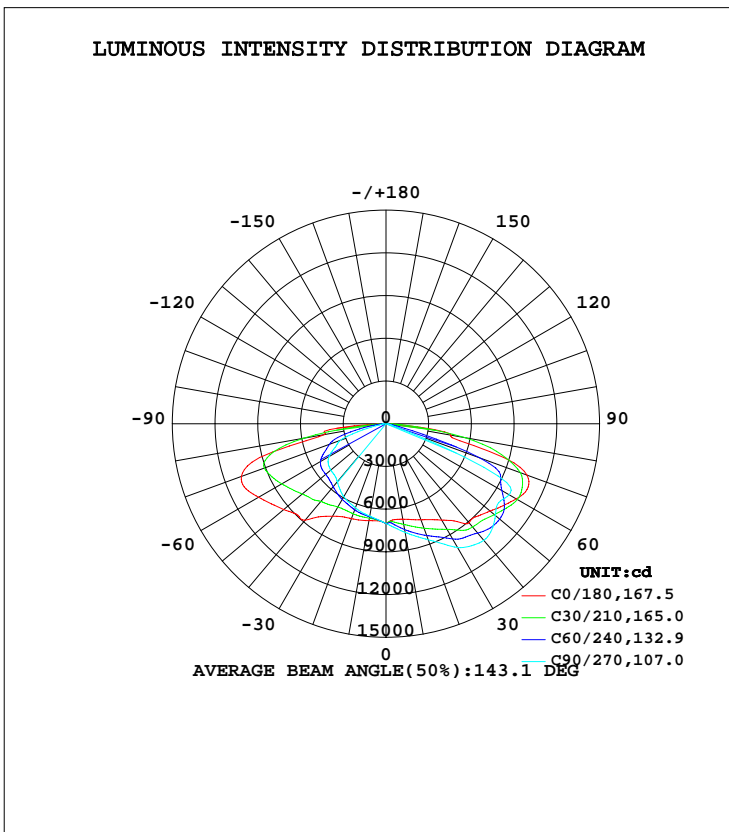


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.12 lm/W			
MODEL ASD-LSB2-300D40B-PRM		Imax(cd)	11591	S/MH(C0/180)	1.87
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	39600	η UP, DN(C0-180)	0.1,55.0
NOMINAL FLUX(lm)	39600	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2,44.7
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	99.7	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 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	681.0	734.7	774.7	730.5	691.0	667.6	658.9	661.1	0- 10	662.7	662.7	1.64,1.64
20	718.2	810.0	867.1	792.0	709.4	657.4	628.9	651.0	10- 20	2028	2691	6.66,6.66
30	781.4	888.9	1004	870.9	750.1	639.4	592.3	644.2	20- 30	3466	6157	15.2,15.2
40	908.0	951.4	1069	937.0	883.0	627.3	532.7	644.6	30- 40	5019	11176	27.7,27.7
50	954.0	1018	1002	1008	937.3	622.7	506.3	643.9	40- 50	6443	17619	43.6,43.6
60	1056	1029	998.9	1018	1033	637.6	461.9	658.7	50- 60	7668	25287	62.6,62.6
70	1053	897.4	176.5	874.2	1080	584.4	341.9	647.2	60- 70	8186	33474	82.9,82.9
80	463.8	130.5	26.81	90.68	437.9	306.0	36.89	407.6	70- 80	5324	38797	96,96
90	11.59	1.502	0.7783	0.7782	31.77	10.42	2.461	21.65	80- 90	1489	40286	99.7,99.7
100	0.5547	0.3625	0.2198	0.4055	0.9429	0.7563	0.5721	0.7903	90-100	73.20	40359	99.9,99.9
110	0.6846	0.4301	0.3054	0.5172	0.9461	0.8647	0.7844	0.8548	100-110	6.736	40366	99.9,99.9
120	0.7938	0.5569	0.4184	0.6212	0.9216	0.8960	0.8643	0.8632	110-120	7.036	40373	99.9,99.9
130	0.8419	0.6196	0.5361	0.6730	0.9996	1.060	1.031	1.027	120-130	7.157	40380	99.9,99.9
140	0.7640	0.6211	0.6149	0.6656	0.9766	1.119	1.143	1.120	130-140	6.753	40387	100,100
150	0.6821	0.6661	0.7087	0.7130	0.9914	1.129	1.153	1.081	140-150	5.509	40392	100,100
160	0.7367	0.7861	0.8437	0.8201	1.046	1.156	1.201	1.135	150-160	4.274	40396	100,100
170	0.8371	0.9186	0.9688	0.9596	1.022	1.080	1.169	1.133	160-170	2.800	40399	100,100
180	1.131	1.131	1.131	1.131	1.066	1.066	1.066	1.066	170-180	0.9732	40400	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 14234 lm

%lum = 35.2%

%lamp = 35.2%

Conical surface Flux(120deg): 25287 lm

%lum = 62.6%

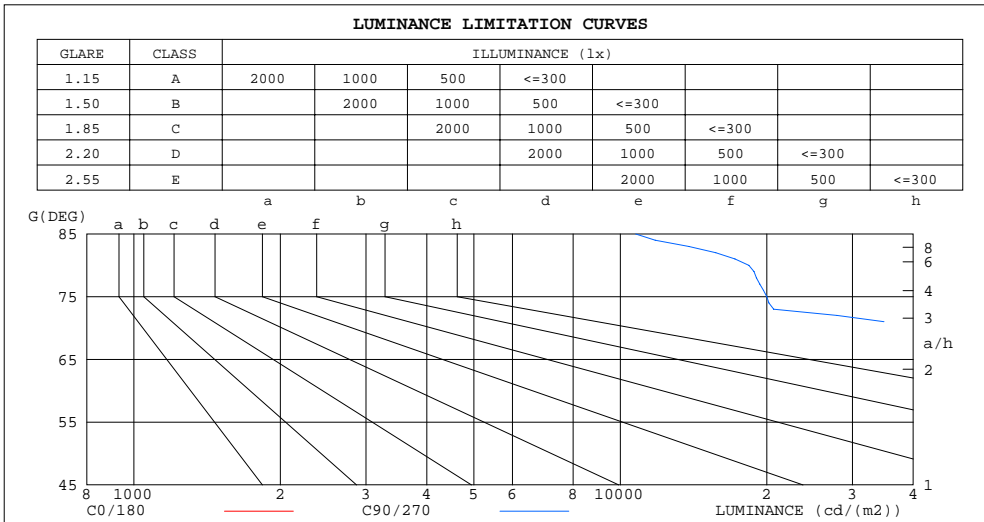
%lamp = 62.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	203018	10756
80	317939	18381
75	345814	20000
70	366360	61436
65	307796	244780
60	251441	237837
55	208423	200578
50	176693	185641
45	154101	176992

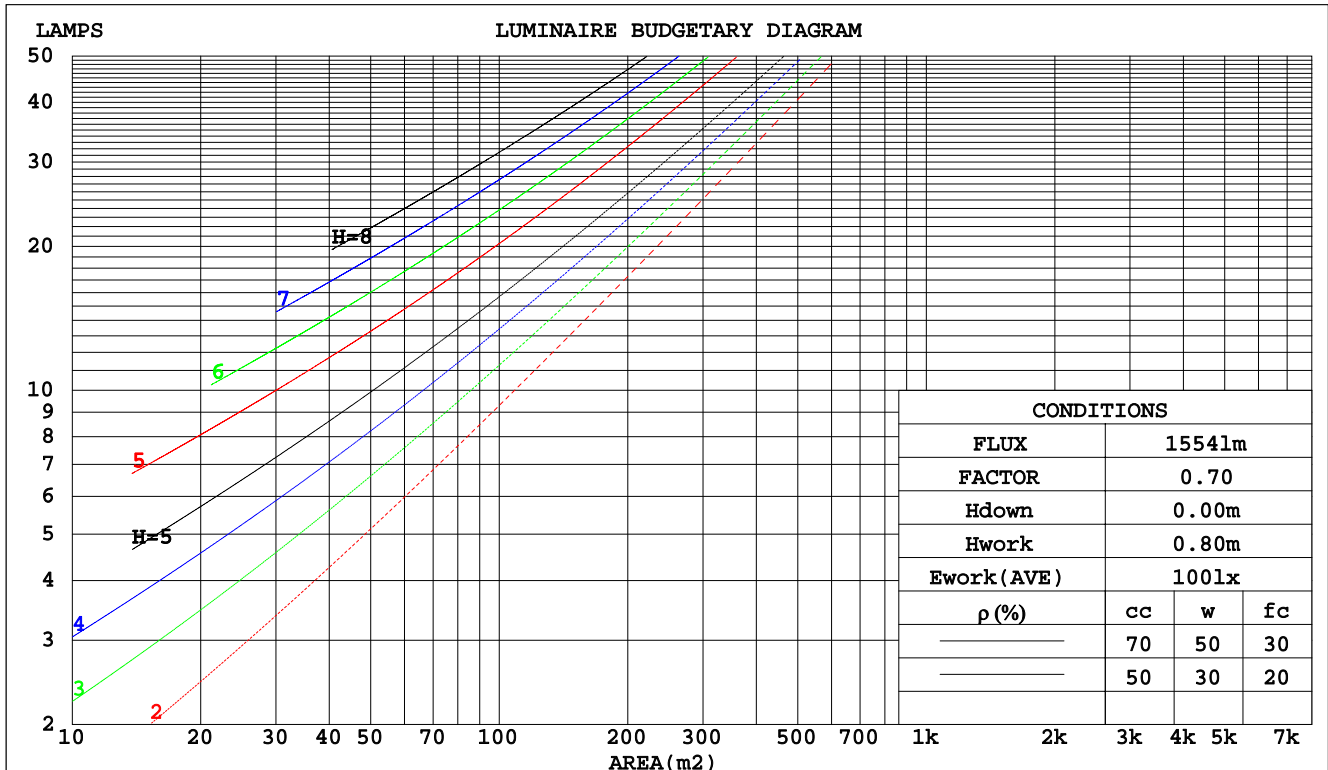
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-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	.00	.94	.89	.97	.92	.88	.93	.89	.85	.89	.85	.82	.85	.82	.80	.78
2.0	.84	.75	.68	.82	.74	.67	.78	.71	.66	.74	.69	.64	.71	.67	.63	.60
3.0	.71	.61	.54	.70	.60	.53	.66	.58	.52	.63	.57	.51	.61	.55	.50	.47
4.0	.62	.51	.43	.60	.50	.43	.57	.49	.42	.55	.47	.42	.52	.46	.41	.38
5.0	.54	.43	.36	.53	.43	.36	.50	.42	.35	.48	.41	.35	.46	.39	.34	.32
6.0	.48	.37	.30	.47	.37	.30	.45	.36	.30	.43	.35	.29	.41	.34	.29	.27
7.0	.43	.33	.26	.42	.32	.26	.40	.32	.25	.38	.31	.25	.37	.30	.25	.23
8.0	.38	.29	.22	.38	.29	.22	.36	.28	.22	.35	.27	.22	.34	.27	.22	.20
9.0	.35	.26	.20	.34	.26	.20	.33	.25	.20	.32	.25	.19	.31	.24	.19	.17
10.0	.32	.23	.18	.31	.23	.18	.30	.23	.17	.29	.22	.17	.28	.22	.17	.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-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	.388	.220	.070	.380	.217	.069	.367	.210	.067	.354	.204	.065	.342	.198	.064	
2.0	.355	.195	.060	.349	.192	.059	.336	.187	.058	.325	.182	.057	.314	.178	.056	
3.0	.322	.171	.051	.316	.169	.051	.305	.165	.050	.294	.161	.049	.285	.158	.049	
4.0	.291	.151	.044	.286	.150	.044	.276	.146	.044	.267	.143	.043	.258	.140	.043	
5.0	.265	.135	.039	.260	.133	.039	.251	.131	.038	.243	.128	.038	.235	.126	.038	
6.0	.242	.121	.035	.238	.120	.035	.230	.118	.034	.222	.116	.034	.216	.114	.034	
7.0	.222	.110	.031	.219	.109	.031	.212	.107	.031	.205	.105	.031	.199	.103	.030	
8.0	.206	.100	.028	.202	.100	.028	.196	.098	.028	.190	.096	.028	.185	.095	.028	
9.0	.191	.092	.026	.188	.092	.026	.182	.090	.026	.177	.089	.025	.172	.087	.025	
10.0	.178	.085	.024	.175	.085	.024	.170	.083	.024	.166	.082	.023	.161	.081	.023	

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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.188	.158	.130	.161	.135	.112	.110	.093	.078	.063	.054	.045	.020	.017	.015	
2.0	.183	.134	.092	.157	.115	.080	.107	.080	.056	.062	.046	.033	.020	.015	.011	
3.0	.177	.117	.069	.151	.101	.060	.104	.070	.042	.060	.041	.025	.019	.013	.008	
4.0	.169	.104	.054	.145	.090	.047	.100	.063	.033	.058	.037	.020	.019	.012	.006	
5.0	.162	.094	.044	.139	.081	.039	.096	.057	.027	.055	.033	.016	.018	.011	.005	
6.0	.154	.086	.037	.132	.075	.032	.091	.052	.023	.053	.031	.014	.017	.010	.005	
7.0	.147	.079	.032	.126	.069	.028	.087	.048	.020	.051	.028	.012	.016	.009	.004	
8.0	.139	.074	.028	.120	.064	.025	.083	.045	.018	.048	.026	.010	.016	.009	.003	
9.0	.133	.069	.025	.114	.060	.022	.079	.042	.016	.046	.025	.009	.015	.008	.003	
10.0	.126	.064	.023	.109	.056	.020	.076	.039	.014	.044	.023	.009	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2-300D40B-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	32.6	34.4	33.0	34.8	35.1	31.8	33.7	32.2	34.0	34.3
3H	36.5	38.2	36.9	38.5	38.9	33.1	34.8	33.5	35.1	35.5
4H	37.7	39.3	38.1	39.6	40.0	33.1	34.7	33.5	35.0	35.4
6H	38.2	39.7	38.6	40.0	40.4	33.0	34.5	33.4	34.9	35.3
8H	38.5	39.9	38.9	40.3	40.7	33.0	34.5	33.4	34.9	35.3
12H	38.6	40.0	39.0	40.4	40.8	33.0	34.4	33.4	34.8	35.2
4H 2H	33.5	35.1	33.9	35.5	35.9	33.0	34.6	33.4	34.9	35.3
3H	37.6	39.0	38.0	39.3	39.8	34.5	35.9	34.9	36.3	36.7
4H	38.9	40.2	39.3	40.6	41.0	34.5	35.8	34.9	36.2	36.6
6H	39.5	40.7	40.0	41.1	41.6	34.5	35.6	34.9	36.1	36.5
8H	39.9	40.9	40.3	41.4	41.8	34.5	35.5	34.9	36.0	36.4
12H	40.1	41.0	40.5	41.5	42.0	34.5	35.4	34.9	35.9	36.4
8H 4H	39.2	40.2	39.6	40.7	41.2	35.2	36.3	35.7	36.7	37.2
6H	40.1	41.0	40.6	41.5	42.0	35.2	36.1	35.7	36.6	37.0
8H	40.5	41.3	41.0	41.8	42.3	35.2	36.0	35.7	36.5	37.0
12H	40.8	41.5	41.3	42.0	42.5	35.2	35.9	35.7	36.4	36.9
12H 4H	39.2	40.1	39.7	40.6	41.1	35.3	36.3	35.8	36.7	37.2
6H	40.1	40.9	40.6	41.4	41.9	35.3	36.1	35.8	36.5	37.1
8H	40.6	41.3	41.1	41.8	42.3	35.3	36.0	35.8	36.5	37.0
CIE190: 2010										

CIE190: 2010
Area: 0.084 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 18 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.2%
Test Distance: 2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

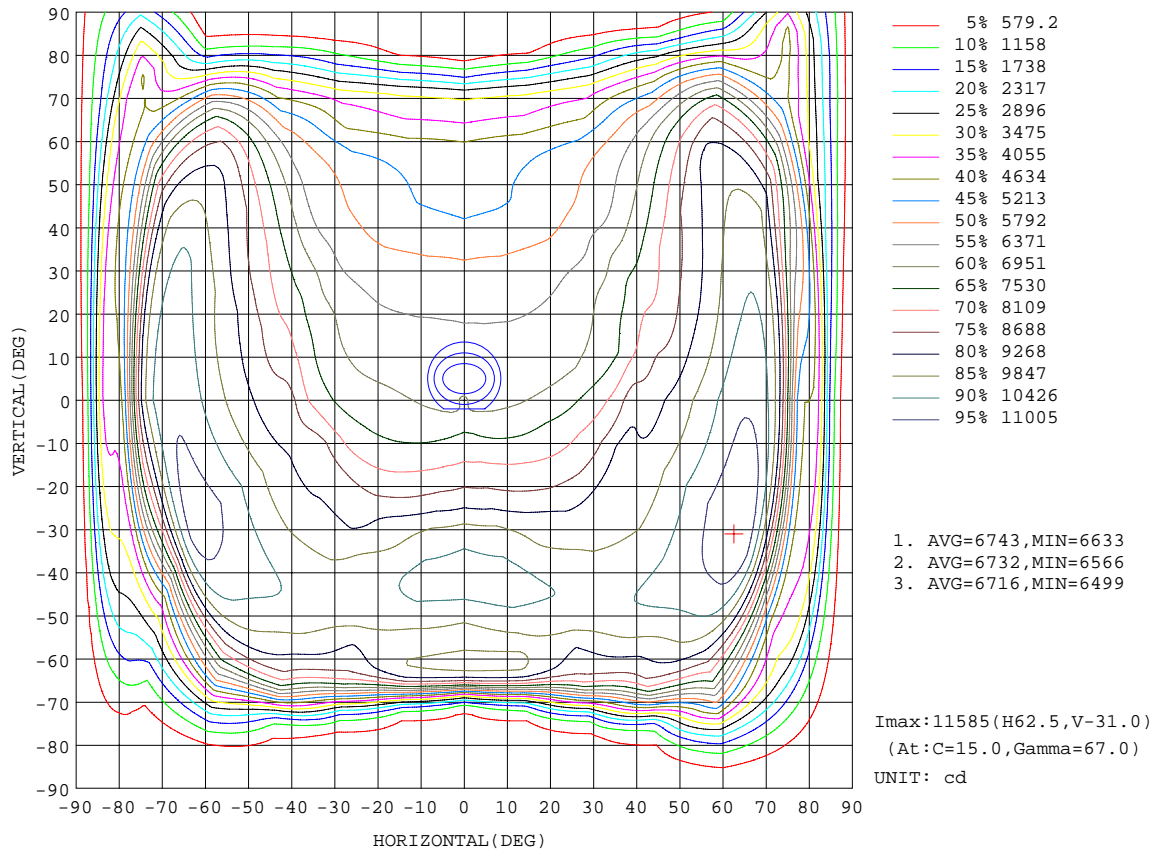
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	35	27	47	35	27	46	34	27	20
0.80	58	44	36	57	44	35	55	43	35	27
1.00	66	53	44	65	52	44	63	54	43	35
1.25	74	61	52	72	60	52	69	59	51	42
1.50	80	67	59	78	66	58	74	64	57	48
2.00	88	77	69	86	76	68	82	73	67	57
2.50	93	83	76	91	82	75	86	79	73	63
3.00	97	88	81	95	87	80	90	84	78	69
4.00	102	95	89	100	93	88	95	90	85	75
5.00	106	99	94	103	97	93	98	94	90	80
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: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

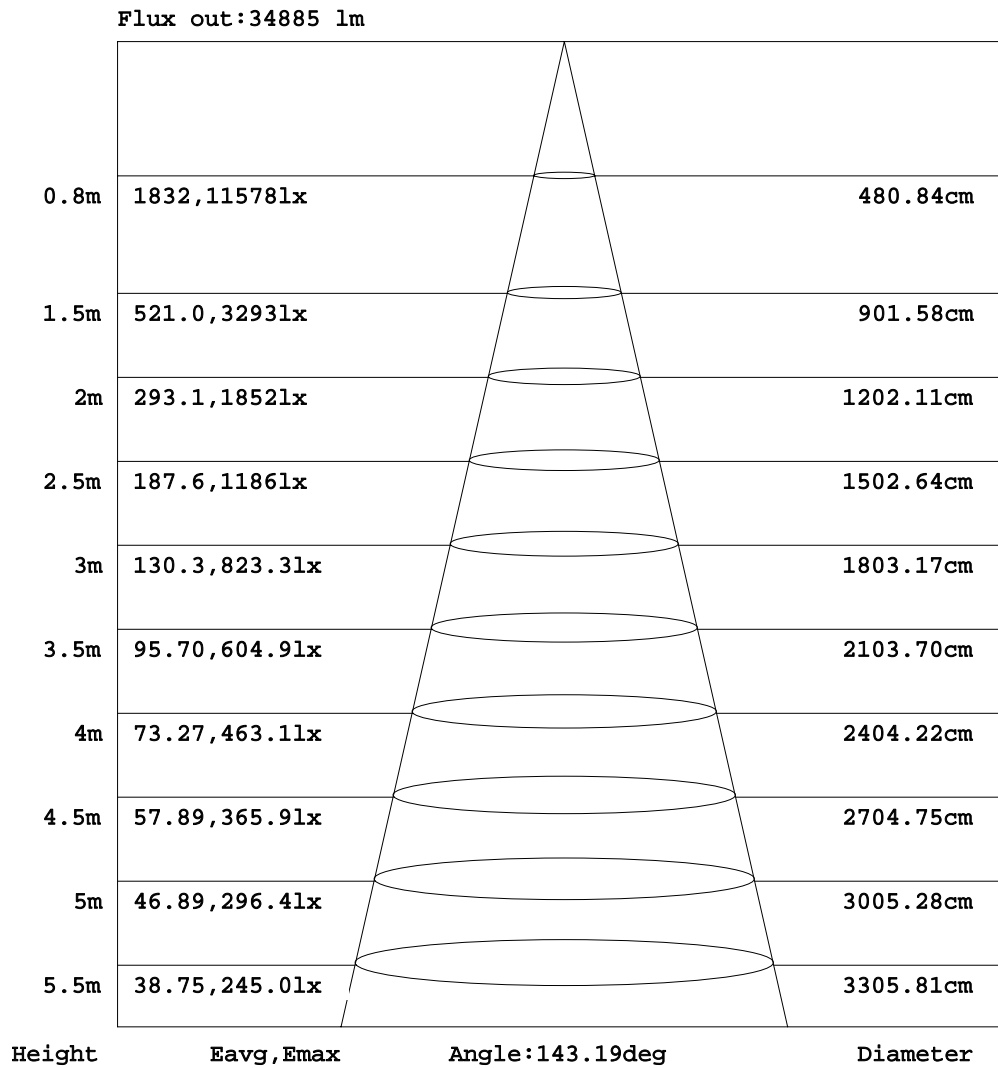


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

AAI Figure

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



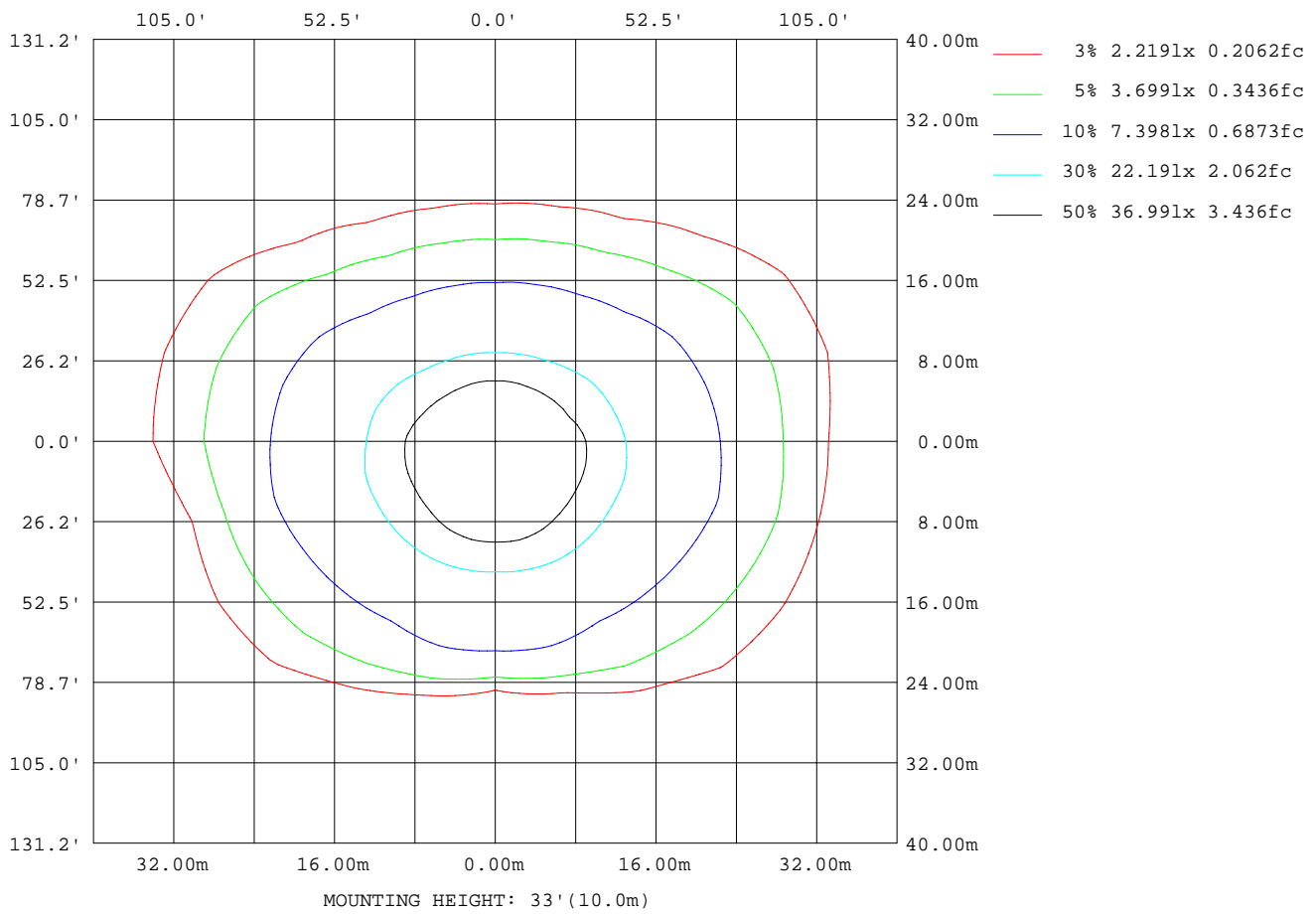
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-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: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

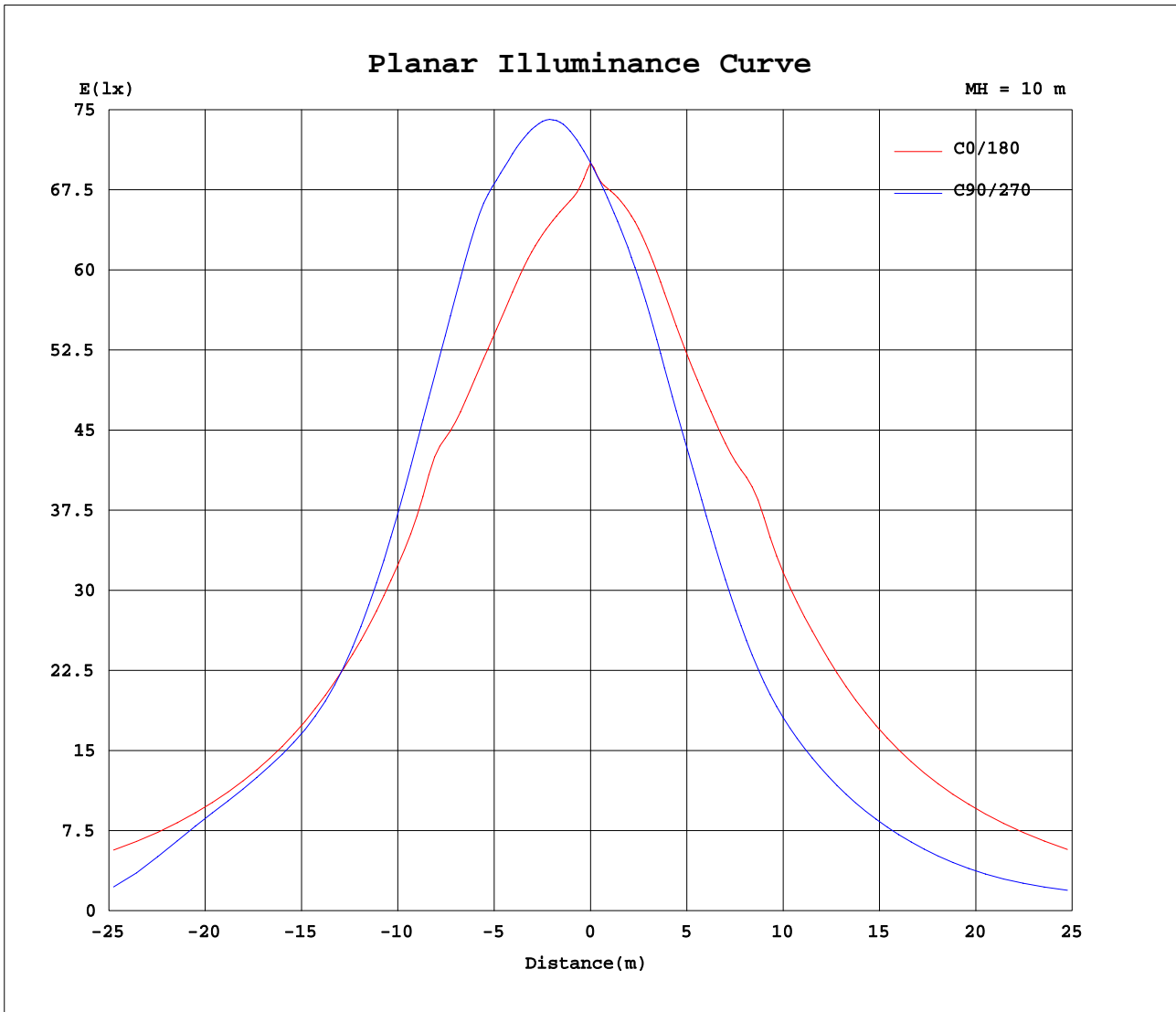
AvgL	cd/m2
L_0~180(65)av	306579
L_0~180(75)av	384347
L_0~180(85)av	318019
L_90~270(65)av	178017
L_90~270(75)av	48802
L_90~270(85)av	18110
L_45(65)av	226127
L_45(75)av	255824
L_45(85)av	103560

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 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: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-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	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700
5	676	683	695	702	714	728	734	725	713	700	694	690	684	681	679	678	678	677	676
10	681	702	718	735	754	770	775	765	749	731	713	701	691	681	673	668	664	661	659
15	697	727	748	772	795	813	818	805	784	760	735	715	701	687	674	663	655	650	646
20	718	755	781	810	835	859	867	850	822	792	762	733	709	690	673	657	644	635	629
25	743	788	816	846	878	914	928	905	864	825	796	763	722	694	670	647	628	617	611
30	781	834	857	889	934	985	1004	978	923	871	844	812	750	708	675	639	614	600	592
35	833	899	914	930	972	1027	1046	1024	962	907	903	894	796	742	694	636	597	576	564
40	908	945	946	951	1002	1060	1069	1053	996	937	927	912	883	798	712	627	578	548	533
45	915	954	960	986	1035	1064	1051	1055	1027	972	952	948	896	839	743	629	560	525	511
50	954	1000	994	1018	1042	1034	1002	1025	1030	1008	993	995	937	877	768	623	553	518	506
55	1004	1052	1033	1039	1015	984	966	976	1002	1031	1036	1051	981	924	804	627	551	510	494
60	1056	1105	1065	1029	940	989	999	980	930	1018	1059	1105	1033	973	845	638	531	480	462
65	1093	1155	1056	962	889	928	869	931	884	954	1037	1137	1084	1025	883	629	479	417	395
70	1053	1118	1004	897	699	318	177	361	655	874	937	982	1080	1043	909	584	422	365	342
75	752	751	840	641	195	54.5	43.5	54.9	177	538	695	520	919	957	844	484	324	226	169
80	464	380	566	131	44.5	28.1	26.8	28.8	40.3	90.7	315	264	438	660	587	306	158	63.6	36.9
85	149	158	161	33.2	13.9	9.12	7.87	9.77	11.8	19.5	51.9	51.4	317	464	153	89.8	45.5	21.1	18.6
90	11.6	8.50	10.3	1.50	0.99	0.47	0.78	0.63	0.47	0.78	1.12	1.68	31.8	218	10.4	10.4	4.81	3.79	2.46
95	0.90	0.57	0.46	0.32	0.23	0.18	0.17	0.21	0.28	0.35	0.42	0.58	3.16	4.47	1.65	1.01	0.63	0.44	0.41
100	0.55	0.50	0.42	0.36	0.27	0.22	0.22	0.27	0.34	0.41	0.48	0.57	0.94	0.92	0.86	0.76	0.69	0.59	0.57
105	0.62	0.55	0.47	0.40	0.31	0.26	0.26	0.31	0.38	0.46	0.55	0.63	0.98	0.97	0.91	0.83	0.79	0.72	0.71
110	0.68	0.62	0.52	0.43	0.35	0.31	0.31	0.35	0.44	0.52	0.61	0.71	0.95	0.97	0.91	0.86	0.85	0.81	0.78
115	0.75	0.68	0.57	0.49	0.40	0.36	0.36	0.40	0.48	0.58	0.68	0.78	0.92	0.96	0.91	0.88	0.86	0.84	0.82
120	0.79	0.74	0.64	0.56	0.46	0.42	0.42	0.46	0.54	0.62	0.75	0.84	0.92	0.98	0.94	0.90	0.90	0.88	0.86
125	0.84	0.78	0.69	0.60	0.51	0.47	0.48	0.51	0.58	0.65	0.78	0.86	0.96	1.01	0.99	0.95	0.97	0.95	0.94
130	0.84	0.78	0.71	0.62	0.55	0.53	0.54	0.56	0.60	0.67	0.76	0.85	1.00	1.05	1.07	1.06	1.05	1.03	1.03
135	0.81	0.76	0.70	0.62	0.58	0.57	0.58	0.60	0.62	0.67	0.72	0.80	1.00	1.07	1.09	1.12	1.11	1.10	1.11
140	0.76	0.72	0.68	0.62	0.60	0.60	0.61	0.62	0.64	0.67	0.67	0.74	0.98	1.05	1.09	1.12	1.13	1.14	1.14
145	0.71	0.69	0.66	0.63	0.63	0.64	0.65	0.66	0.67	0.67	0.66	0.71	0.98	1.04	1.09	1.12	1.13	1.14	1.15
150	0.68	0.67	0.66	0.67	0.68	0.70	0.71	0.71	0.72	0.71	0.71	0.73	0.99	1.05	1.10	1.13	1.14	1.15	1.15
155	0.71	0.71	0.71	0.72	0.75	0.77	0.78	0.78	0.78	0.76	0.74	0.75	1.02	1.06	1.11	1.15	1.17	1.17	1.18
160	0.74	0.74	0.75	0.79	0.82	0.84	0.84	0.84	0.84	0.82	0.80	0.79	1.05	1.07	1.10	1.16	1.19	1.20	1.20
165	0.78	0.80	0.82	0.86	0.89	0.91	0.91	0.91	0.90	0.88	0.86	0.84	1.04	1.06	1.08	1.13	1.18	1.20	1.21
170	0.84	0.86	0.89	0.92	0.95	0.97	0.97	0.97	0.97	0.96	0.95	0.94	1.02	1.03	1.04	1.08	1.12	1.16	1.17
175	0.96	0.97	0.98	0.99	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	1.03	1.03	1.03	1.04	1.07	1.09	1.11
180	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.07	1.07	1.07	1.07	1.07	1.07	1.07

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:2.5130A P:301.23W PF:0.9989 Freq:60.00Hz Lamp Flux:39600x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D40B-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	700	700	700	700	700														
5	675	675	675	675	675														
10	659	659	661	664	667														
15	646	649	655	661	668														
20	632	639	651	664	678														
25	615	627	647	669	691														
30	600	616	644	677	706														
35	575	602	647	695	734														
40	547	584	645	725	787														
45	525	568	648	756	843														
50	522	560	644	774	858														
55	516	560	646	810	904														
60	490	550	659	848	952														
65	428	508	666	890	1004														
70	369	440	647	925	1032														
75	240	355	562	913	985														
80	76.5	199	408	761	777														
85	21.9	66.5	161	395	483														
90	3.86	6.43	21.6	65.6	400														
95	0.47	0.80	2.26	6.56	24.6														
100	0.61	0.71	0.79	0.93	1.83														
105	0.73	0.80	0.84	0.89	0.91														
110	0.78	0.82	0.85	0.89	0.94														
115	0.79	0.82	0.84	0.88	0.92														
120	0.84	0.86	0.86	0.89	0.92														
125	0.91	0.93	0.93	0.94	0.94														
130	1.01	1.03	1.03	1.02	0.98														
135	1.09	1.11	1.12	1.11	1.03														
140	1.11	1.11	1.12	1.11	1.03														
145	1.11	1.09	1.09	1.08	0.98														
150	1.12	1.10	1.08	1.06	0.95														
155	1.14	1.12	1.10	1.07	0.95														
160	1.18	1.15	1.14	1.10	0.96														
165	1.19	1.17	1.16	1.11	0.96														
170	1.16	1.15	1.13	1.08	0.93														
175	1.11	1.09	1.08	0.99	0.96														
180	1.07	1.07	1.07	1.07	1.07														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.2%
 Test Distance: 2.500m [K=1.0469]
 Remarks: