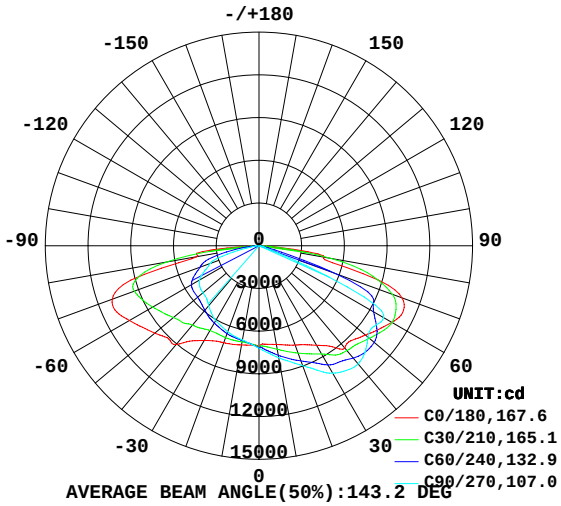
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

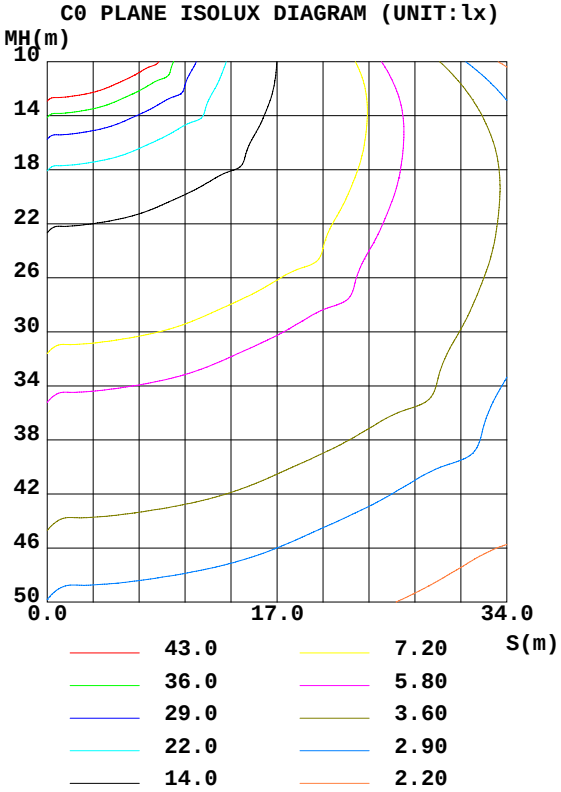
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 135.67 lm/W	
MODEL	ASD-LSB2-300D50-SL	Imax(cd)		S/MH(C0/180)	1.86
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	40200	η UP,DN(C0-180)	0.0,54.0
NOMINAL FLUX(lm)	40200	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,45.7
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	99.7	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):143.2 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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: 52.1%
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	704.0	761.4	798.2	754.8	707.5	679.9	672.5	673.0	0- 10	679.9	679.9	1.66,1.66
20	742.1	835.3	896.0	815.7	724.8	671.1	643.6	663.0	10- 20	2080	2760	6.74,6.74
30	807.3	916.6	1034	897.6	768.4	652.2	607.4	656.8	20- 30	3561	6321	15.4,15.4
40	937.2	974.1	1083	961.4	906.0	641.2	549.8	660.1	30- 40	5141	11461	28,28
50	975.7	1040	999.2	1030	955.3	636.4	514.8	660.1	40- 50	6566	18027	44,44
60	1077	1034	1011	1021	1051	648.2	482.4	668.2	50- 60	7789	25816	63,63
70	1068	892.3	85.01	854.1	1096	611.5	365.9	669.2	60- 70	8146	33962	82.9,82.9
80	464.0	92.44	20.77	64.58	439.3	356.4	61.28	455.1	70- 80	5295	39257	95.8,95.8
90	11.75	0.8523	0.3154	0.4437	32.21	19.45	5.906	32.58	80- 90	1580	40837	99.7,99.7
100	0.5633	0.3781	0.2349	0.4220	0.9555	0.7440	0.5299	0.7901	90-100	90.62	40928	99.9,99.9
110	0.6963	0.4455	0.3248	0.5420	0.9601	0.8723	0.7816	0.8662	100-110	6.825	40935	99.9,99.9
120	0.8072	0.5804	0.4427	0.6402	0.9377	0.9022	0.8581	0.8639	110-120	7.183	40942	99.9,99.9
130	0.8585	0.6350	0.5588	0.6874	1.018	1.053	1.016	1.017	120-130	7.245	40949	99.9,99.9
140	0.7803	0.6320	0.6353	0.6764	0.9994	1.140	1.149	1.141	130-140	6.845	40956	100,100
150	0.6925	0.6855	0.7416	0.7345	1.014	1.144	1.166	1.096	140-150	5.631	40961	100,100
160	0.7434	0.8047	0.8785	0.8434	1.067	1.185	1.212	1.149	150-160	4.369	40966	100,100
170	0.8283	0.9386	1.014	0.9944	1.043	1.124	1.196	1.163	160-170	2.873	40969	100,100
180	1.121	1.121	1.121	1.121	1.110	1.110	1.110	1.110	170-180	0.9998	40970	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 14582 lm

%lum = 35.6%
%lamp = 35.6%

Conical surface Flux(120deg): 25816 lm

%lum = 63.0%
%lamp = 63.0%

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

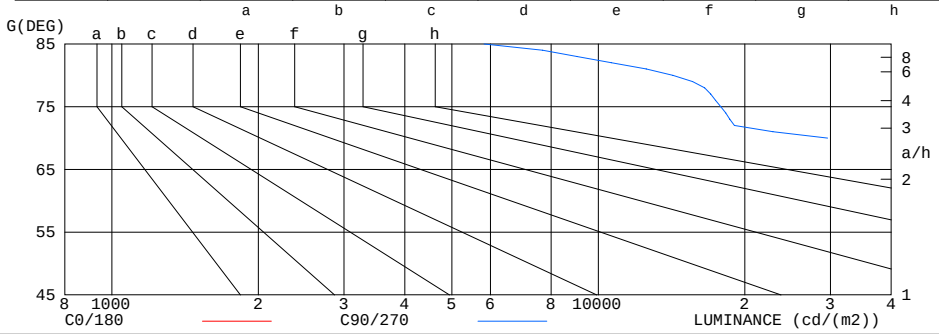
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	201695	5822
80	318112	14239
75	347692	17859
70	371709	29590
65	313273	192758
60	256406	240687
55	212838	204739
50	180698	185052
45	157446	177395

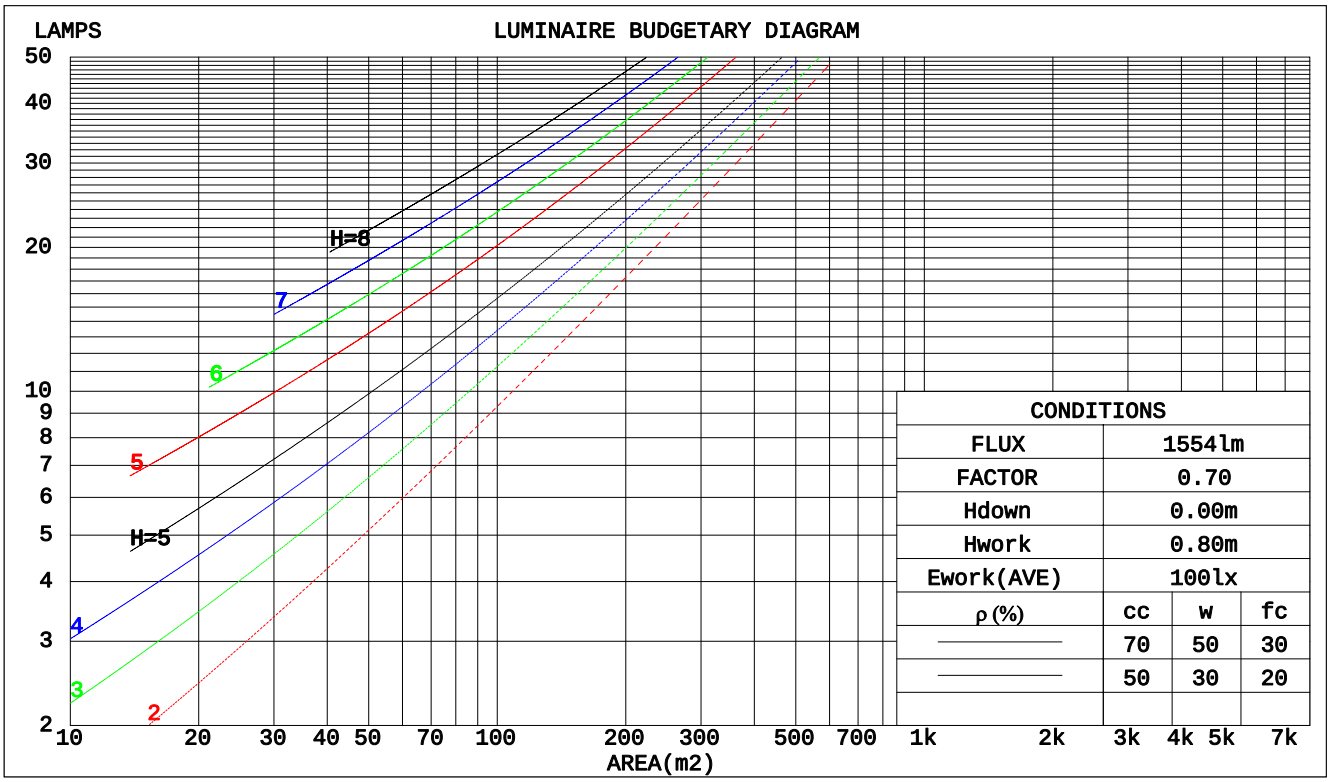
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:18 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	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			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	.90	.97	.92	.88	.93	.89	.85	.89	.85	.82	.85	.82	.80	.77
2.0	.84	.75	.68	.82	.74	.68	.78	.71	.66	.75	.69	.64	.71	.67	.63	.60
3.0	.71	.62	.54	.70	.61	.53	.66	.59	.52	.63	.57	.51	.61	.55	.50	.48
4.0	.62	.51	.44	.60	.51	.43	.58	.49	.42	.55	.48	.42	.53	.46	.41	.39
5.0	.54	.44	.36	.53	.43	.36	.50	.42	.35	.48	.41	.35	.46	.40	.34	.32
6.0	.48	.38	.30	.47	.37	.30	.45	.36	.30	.43	.35	.29	.41	.34	.29	.27
7.0	.43	.33	.26	.42	.33	.26	.40	.32	.26	.39	.31	.25	.37	.30	.25	.23
8.0	.39	.29	.23	.38	.29	.23	.36	.28	.22	.35	.28	.22	.34	.27	.22	.20
9.0	.35	.26	.20	.34	.26	.20	.33	.25	.20	.32	.25	.20	.31	.24	.19	.17
10.0	.32	.23	.18	.32	.23	.18	.30	.23	.18	.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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

WEC AND CCEC

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	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 Coeffcients(WEC)									
0.0																
1.0	.387	.220	.070	.380	.217	.069	.366	.210	.067	.353	.204	.065	.342	.198	.064	
2.0	.354	.194	.060	.348	.192	.059	.335	.187	.058	.324	.182	.057	.313	.177	.056	
3.0	.321	.171	.051	.315	.169	.051	.304	.164	.050	.293	.161	.049	.284	.157	.049	
4.0	.290	.151	.044	.285	.149	.044	.275	.146	.044	.266	.143	.043	.257	.140	.043	
5.0	.264	.134	.039	.259	.133	.039	.250	.130	.038	.242	.128	.038	.234	.125	.038	
6.0	.241	.121	.035	.237	.120	.034	.229	.117	.034	.222	.115	.034	.215	.113	.034	
7.0	.222	.110	.031	.218	.109	.031	.211	.107	.031	.205	.105	.031	.198	.103	.030	
8.0	.205	.100	.028	.202	.099	.028	.196	.098	.028	.190	.096	.028	.184	.095	.028	
9.0	.191	.092	.026	.188	.091	.026	.182	.090	.026	.177	.089	.025	.172	.087	.025	
10.0	.178	.085	.024	.175	.085	.024	.170	.083	.023	.165	.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	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.188	.158	.131	.161	.136	.112	.110	.093	.078	.063	.054	.045	.020	.017	.015	
2.0	.183	.134	.093	.157	.115	.080	.107	.080	.056	.062	.046	.033	.020	.015	.011	
3.0	.177	.117	.070	.152	.101	.060	.104	.070	.042	.060	.041	.025	.019	.013	.008	
4.0	.169	.104	.055	.145	.090	.048	.100	.063	.033	.058	.037	.020	.019	.012	.007	
5.0	.162	.094	.045	.139	.082	.039	.096	.057	.027	.055	.034	.016	.018	.011	.005	
6.0	.154	.086	.038	.132	.075	.033	.091	.052	.023	.053	.031	.014	.017	.010	.005	
7.0	.147	.080	.033	.126	.069	.028	.087	.048	.020	.051	.029	.012	.016	.009	.004	
8.0	.140	.074	.029	.120	.064	.025	.083	.045	.018	.048	.027	.011	.016	.009	.004	
9.0	.133	.069	.026	.114	.060	.023	.079	.042	.016	.046	.025	.010	.015	.008	.003	
10.0	.126	.065	.023	.109	.056	.020	.076	.039	.015	.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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	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	32.7	34.5	33.1	34.9	35.2	31.9	33.7	32.2	34.0	34.4
3H	36.6	38.3	37.0	38.6	39.0	32.3	34.0	32.7	34.3	34.7
4H	37.7	39.3	38.1	39.6	40.0	32.2	33.9	32.6	34.2	34.6
6H	38.1	39.6	38.5	40.0	40.4	32.2	33.7	32.6	34.1	34.5
8H	38.4	39.9	38.8	40.3	40.7	32.2	33.6	32.6	34.0	34.4
12H	38.6	40.0	39.0	40.4	40.8	32.2	33.6	32.6	33.9	34.4
4H 2H	33.6	35.2	34.0	35.5	35.9	33.0	34.6	33.4	34.9	35.3
3H	37.6	39.0	38.0	39.4	39.8	33.7	35.1	34.1	35.5	35.9
4H	38.8	40.1	39.3	40.5	41.0	33.7	34.9	34.1	35.3	35.8
6H	39.5	40.6	39.9	41.0	41.5	33.6	34.8	34.1	35.2	35.7
8H	39.8	40.8	40.2	41.3	41.7	33.6	34.7	34.1	35.1	35.6
12H	40.0	40.9	40.4	41.4	41.9	33.6	34.6	34.1	35.0	35.5
8H 4H	39.1	40.1	39.5	40.6	41.0	34.3	35.4	34.8	35.8	36.3
6H	39.9	40.8	40.4	41.3	41.8	34.3	35.2	34.8	35.7	36.2
8H	40.3	41.1	40.8	41.6	42.1	34.3	35.1	34.8	35.6	36.1
12H	40.5	41.2	41.1	41.7	42.3	34.3	35.0	34.8	35.5	36.0
12H 4H	39.0	40.0	39.5	40.5	41.0	34.4	35.4	34.9	35.9	36.3
6H	39.9	40.7	40.4	41.2	41.7	34.4	35.2	34.9	35.7	36.2
8H	40.3	41.0	40.8	41.5	42.1	34.4	35.1	34.9	35.6	36.1
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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

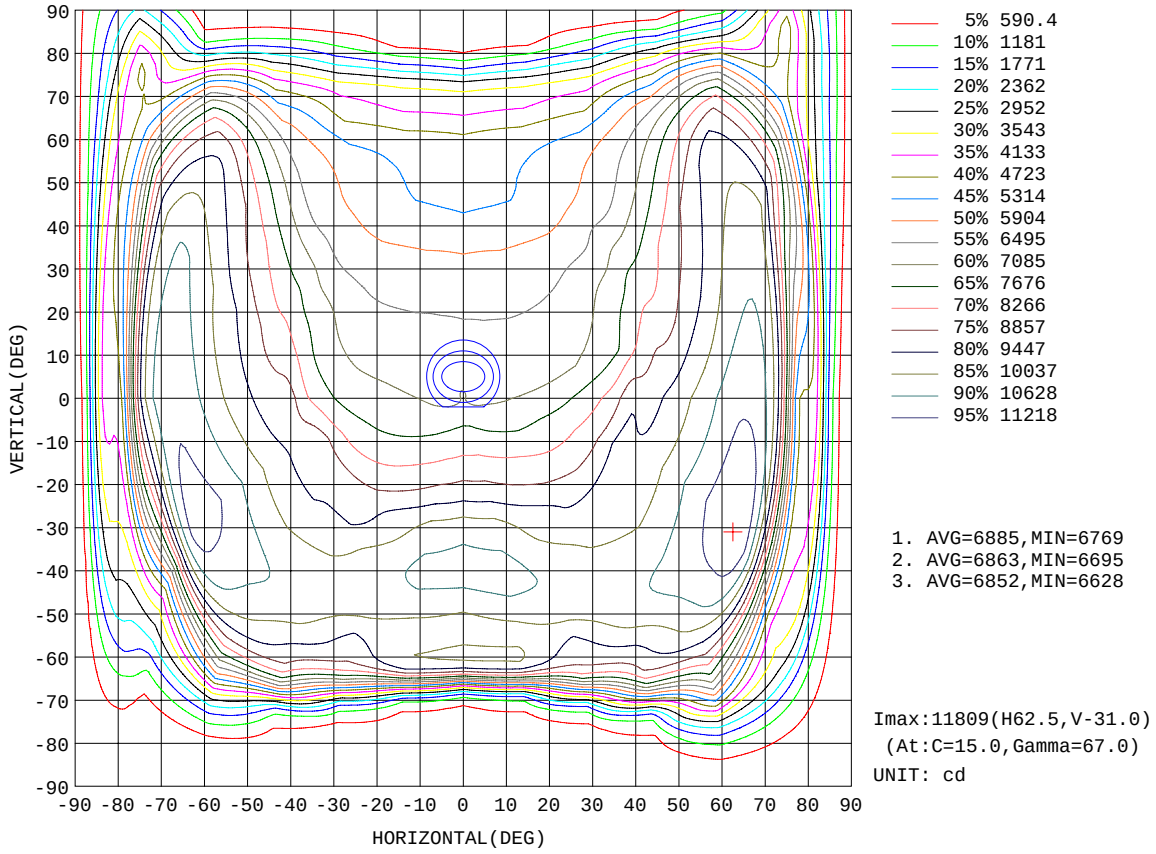
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	48	35	27	48	35	27	46	34	27	20
0.80	58	44	36	57	44	36	55	43	35	27
1.00	67	53	44	65	53	44	63	55	44	35
1.25	74	61	53	73	61	52	70	59	51	43
1.50	80	68	59	78	67	58	75	65	57	48
2.00	88	77	69	86	76	68	82	74	67	58
2.50	93	83	76	91	82	75	87	79	73	63
3.00	97	89	82	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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



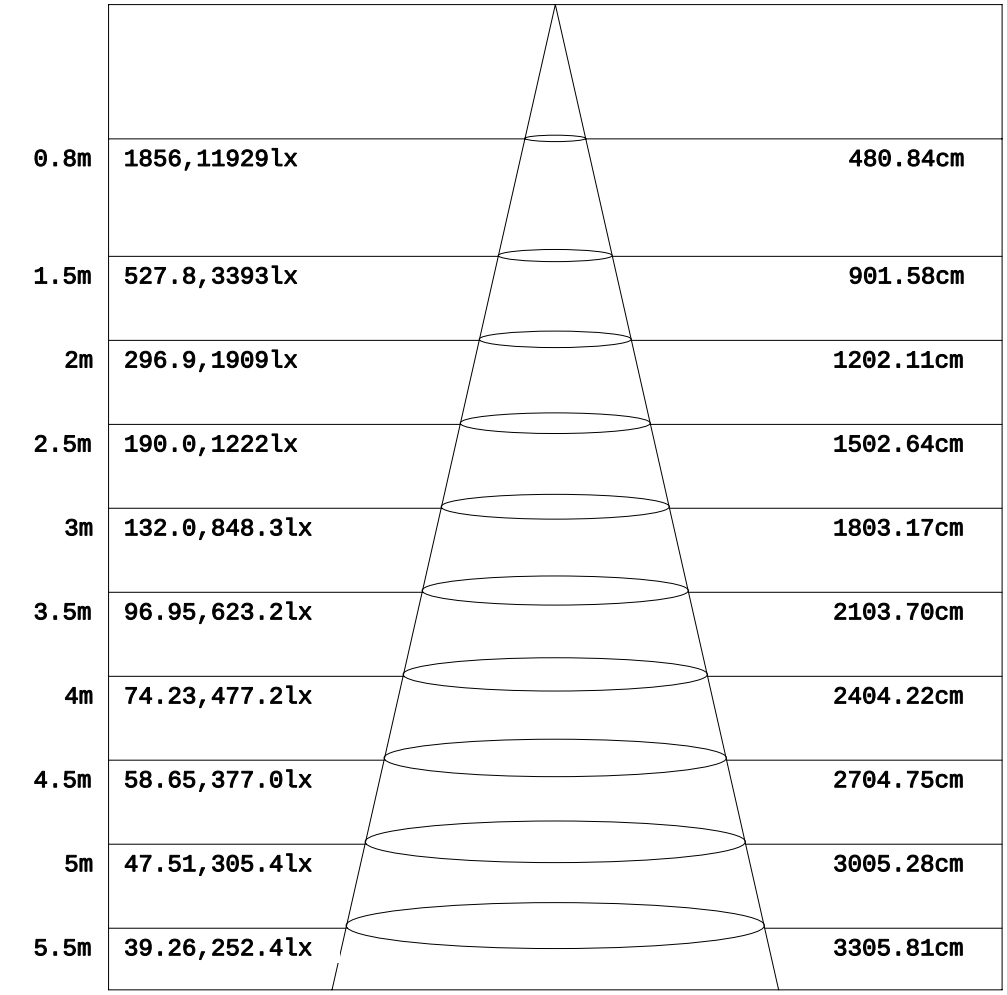
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:18 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

AAI Figure

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:35342 lm



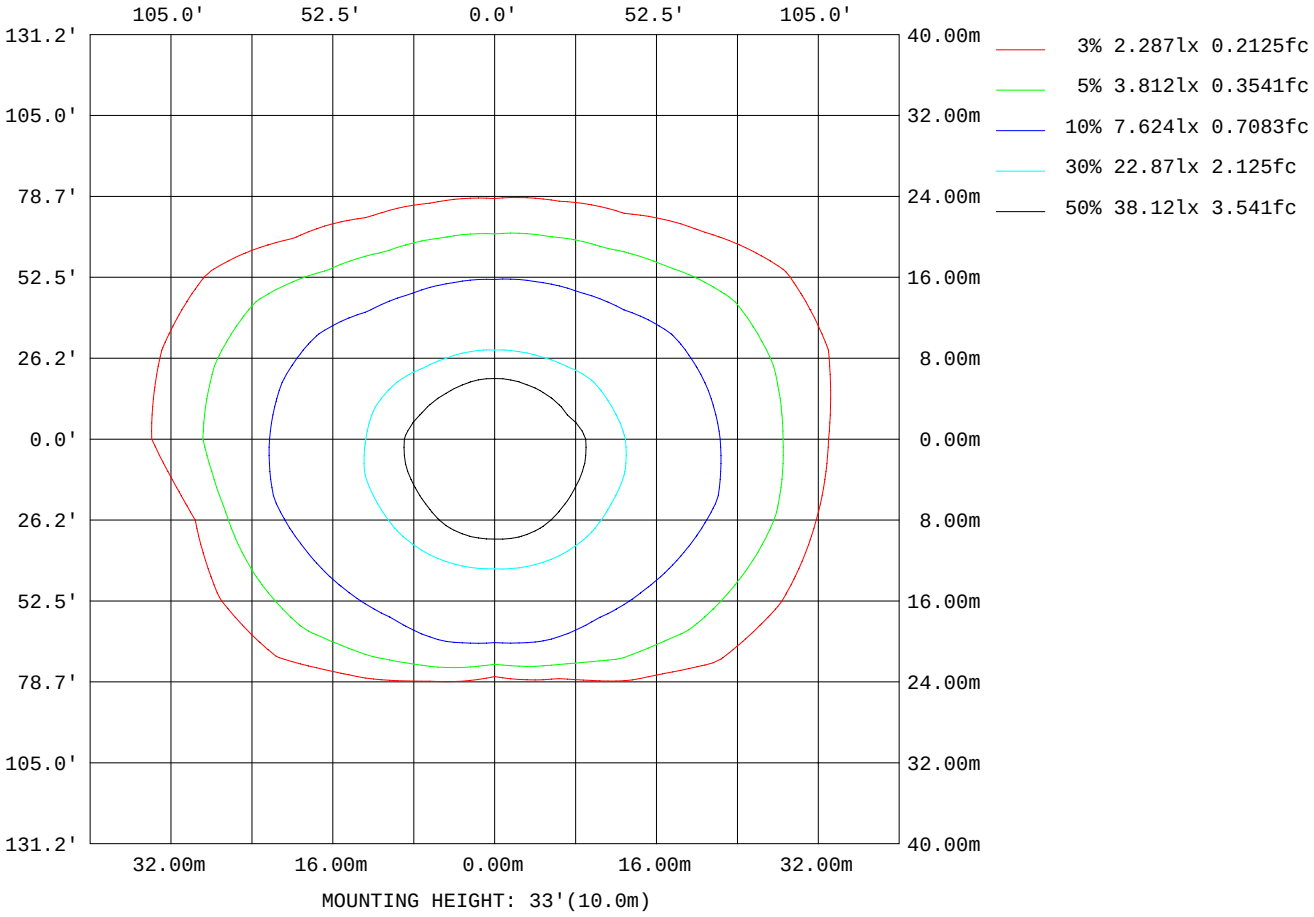
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

LED Avg.L Report

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

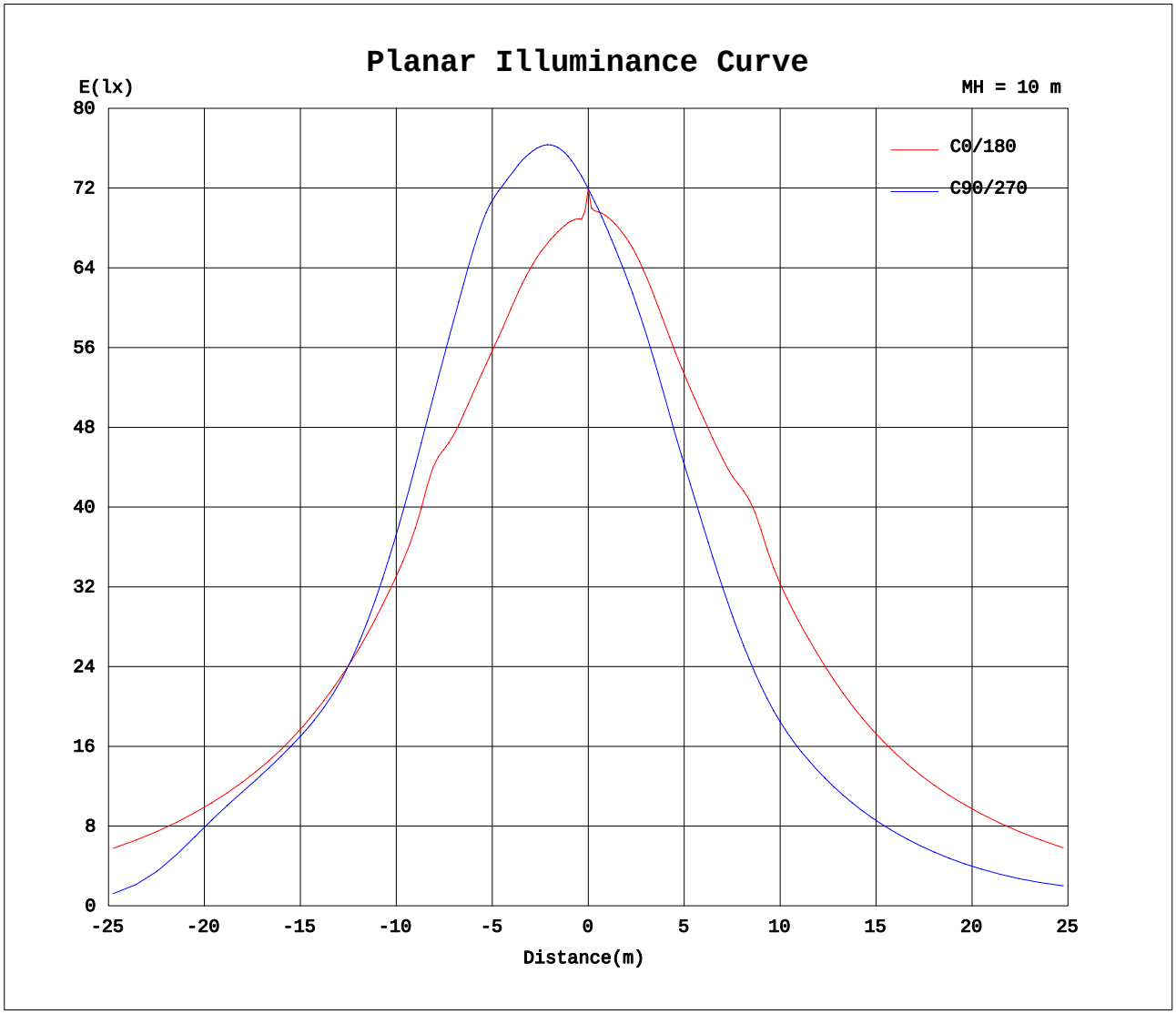
AvgL	cd/m2
L_0~180(65)av	311812
L_0~180(75)av	387989
L_0~180(85)av	319508
L_90~270(65)av	155854
L_90~270(75)av	61768
L_90~270(85)av	19609
L_45(65)av	227190
L_45(75)av	235382
L_45(85)av	131478

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: 52.1%
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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1 UNIT: ×10cd

γ (DEG) \ C(DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719
5	695	707	714	727	742	754	756	750	740	727	713	704	701	694	691	691	692	693	692
10	704	724	738	761	781	796	798	789	774	755	734	717	707	695	686	680	676	675	673
15	722	749	769	799	821	839	843	830	809	784	757	731	717	700	687	676	667	663	659
20	742	777	803	835	861	888	896	879	848	816	784	752	725	704	687	671	657	649	644
25	767	811	838	871	906	949	964	941	893	849	818	787	738	707	684	661	642	630	624
30	807	857	878	917	966	1019	1034	1013	956	898	870	841	768	721	688	652	627	615	607
35	860	928	937	947	994	1055	1069	1050	986	922	919	929	816	754	708	650	612	592	581
40	937	960	961	974	1030	1083	1083	1075	1025	961	942	930	906	815	727	641	592	564	550
45	935	974	977	1008	1056	1075	1054	1064	1047	994	971	970	914	859	762	641	573	537	522
50	976	1022	1012	1040	1056	1033	999	1025	1043	1030	1012	1019	955	895	785	636	563	526	515
55	1025	1074	1051	1055	1011	990	986	981	997	1046	1055	1075	999	942	822	637	561	521	506
60	1077	1128	1079	1034	930	1011	1011	1003	923	1021	1070	1130	1051	989	862	648	547	500	482
65	1112	1177	1061	953	889	827	684	848	872	948	1040	1157	1102	1042	902	645	503	443	422
70	1068	1125	996	892	573	161	85.0	191	524	854	922	964	1096	1066	933	612	441	384	366
75	756	719	828	525	116	41.2	38.8	42.3	110	407	670	481	931	988	887	518	368	285	230
80	464	369	518	92.4	35.0	22.4	20.8	23.3	31.5	64.6	263	245	439	705	660	356	201	107	61.3
85	148	134	125	20.1	8.64	5.06	4.26	6.12	7.30	11.1	27.8	32.4	320	474	209	132	69.6	26.8	24.4
90	11.7	7.32	7.19	0.85	0.40	0.16	0.32	0.18	0.24	0.44	0.74	1.07	32.2	254	12.9	19.4	8.31	7.99	5.91
95	0.91	0.51	0.39	0.33	0.25	0.20	0.19	0.23	0.30	0.37	0.44	0.56	3.22	5.14	2.43	1.60	0.82	0.48	0.37
100	0.56	0.51	0.44	0.38	0.29	0.24	0.23	0.28	0.35	0.42	0.50	0.59	0.96	0.93	0.86	0.74	0.66	0.55	0.53
105	0.63	0.57	0.48	0.41	0.32	0.28	0.28	0.33	0.40	0.48	0.57	0.65	0.99	0.99	0.92	0.83	0.78	0.70	0.69
110	0.70	0.64	0.54	0.45	0.36	0.32	0.32	0.37	0.45	0.54	0.63	0.72	0.96	0.98	0.92	0.87	0.85	0.81	0.78
115	0.76	0.69	0.59	0.52	0.42	0.38	0.38	0.42	0.51	0.60	0.71	0.80	0.94	0.98	0.92	0.89	0.87	0.84	0.82
120	0.81	0.77	0.66	0.58	0.48	0.44	0.44	0.48	0.56	0.64	0.77	0.86	0.94	0.99	0.94	0.90	0.90	0.87	0.86
125	0.85	0.80	0.71	0.62	0.53	0.49	0.50	0.53	0.60	0.67	0.80	0.88	0.97	1.02	1.00	0.95	0.97	0.94	0.93
130	0.86	0.80	0.72	0.64	0.56	0.55	0.56	0.58	0.62	0.69	0.77	0.86	1.02	1.07	1.07	1.05	1.05	1.02	1.02
135	0.83	0.77	0.71	0.64	0.59	0.58	0.60	0.61	0.64	0.69	0.72	0.81	1.02	1.09	1.11	1.13	1.11	1.10	1.10
140	0.78	0.73	0.69	0.63	0.61	0.62	0.64	0.64	0.66	0.68	0.68	0.76	1.00	1.08	1.11	1.14	1.15	1.14	1.15
145	0.73	0.70	0.67	0.65	0.64	0.66	0.67	0.68	0.69	0.68	0.68	0.72	1.00	1.06	1.11	1.13	1.15	1.16	1.17
150	0.69	0.69	0.68	0.69	0.70	0.73	0.74	0.74	0.75	0.73	0.72	0.74	1.01	1.07	1.13	1.14	1.16	1.16	1.17
155	0.72	0.73	0.72	0.74	0.77	0.80	0.81	0.81	0.80	0.78	0.75	0.76	1.04	1.09	1.13	1.17	1.18	1.18	1.18
160	0.74	0.76	0.76	0.80	0.85	0.88	0.88	0.87	0.86	0.84	0.82	0.80	1.07	1.09	1.13	1.18	1.21	1.21	1.21
165	0.78	0.81	0.83	0.87	0.91	0.93	0.93	0.93	0.92	0.90	0.87	0.83	1.06	1.09	1.11	1.17	1.21	1.22	1.22
170	0.83	0.87	0.89	0.94	0.98	1.01	1.01	1.01	1.01	0.99	0.98	0.96	1.04	1.05	1.07	1.12	1.17	1.19	1.20
175	0.94	0.99	0.99	1.01	1.02	1.02	1.02	1.01	1.01	1.00	0.99	0.99	1.04	1.04	1.05	1.08	1.10	1.13	1.15
180	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.11	1.11	1.11	1.11

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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:2.5188A P:301.98W PF:0.9991 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-300D50-SL	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2 UNIT: ×10cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	719	719	719	719	719														
5	690	689	687	686	685														
10	672	672	673	675	679														
15	659	661	666	672	680														
20	645	652	663	675	690														
25	628	639	660	681	703														
30	613	628	657	689	718														
35	592	616	659	706	746														
40	563	599	660	740	799														
45	536	581	659	771	862														
50	528	571	660	791	873														
55	527	569	656	826	918														
60	509	564	668	864	967														
65	455	531	680	907	1019														
70	390	464	669	943	1050														
75	295	391	597	946	1012														
80	123	244	455	821	817														
85	27.9	96.1	222	471	497														
90	7.85	12.6	32.6	96.4	455														
95	0.52	1.17	3.05	7.93	33.3														
100	0.57	0.69	0.79	1.03	2.29														
105	0.72	0.79	0.85	0.90	0.93														
110	0.78	0.83	0.87	0.91	0.96														
115	0.79	0.83	0.86	0.89	0.94														
120	0.83	0.86	0.86	0.90	0.94														
125	0.90	0.92	0.92	0.94	0.96														
130	0.99	1.01	1.02	1.02	1.00														
135	1.09	1.11	1.12	1.12	1.06														
140	1.12	1.13	1.14	1.13	1.08														
145	1.12	1.11	1.11	1.11	1.05														
150	1.13	1.11	1.10	1.09	1.03														
155	1.15	1.13	1.11	1.10	1.03														
160	1.19	1.16	1.15	1.13	1.05														
165	1.21	1.19	1.18	1.16	1.08														
170	1.18	1.17	1.16	1.15	1.06														
175	1.14	1.13	1.12	1.11	1.03														
180	1.11	1.11	1.11	1.11	1.11														

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: 52.1%
Test Distance:2.500m [K=1.0469]
Remarks: