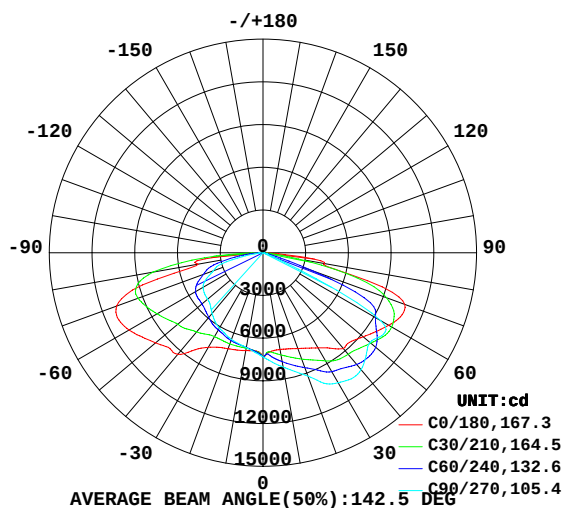


LUMINAIRE PHOTOMETRIC TEST REPORT

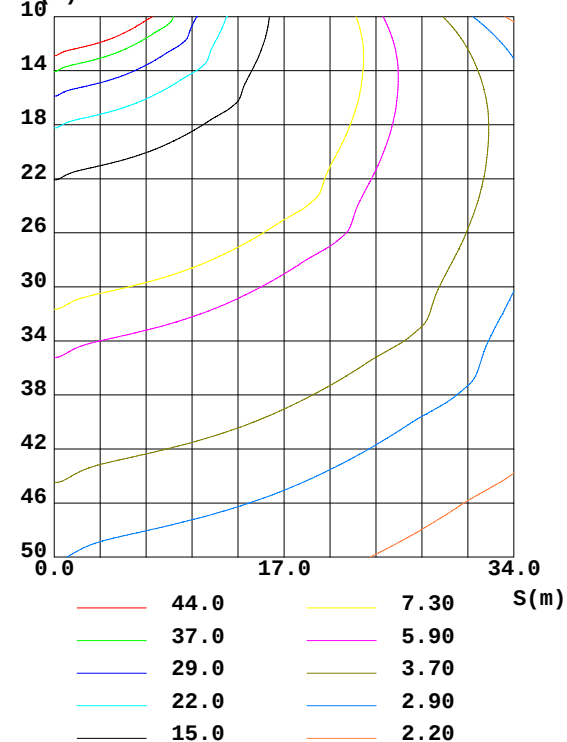
Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.87 lm/W			
MODEL	ASD-LSB2HV-300D50W-PRM	I _{max} (cd)	11628	S/MH(C0/180)	1.87
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	40200	η UP, DN(C0-180)	0.0, 51.9
NOMINAL FLUX(lm)	40200	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.6, 47.5
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	277	η down(%)	99.4	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-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	690.3	752.7	815.0	772.6	697.8	677.3	676.5	681.3	0- 10	683.2	683.2	1.7,1.7
20	716.1	826.7	921.5	846.9	717.6	667.7	648.2	661.2	10- 20	2086	2770	6.9,6.9
30	771.6	910.2	1054	939.9	767.1	650.0	611.5	651.6	20- 30	3601	6371	15.9,15.9
40	879.0	958.6	1072	1001	930.4	643.6	556.1	650.6	30- 40	5151	11522	28.7,28.7
50	918.5	1017	981.4	1062	985.2	642.4	507.6	642.0	40- 50	6521	18043	45,45
60	1019	988.9	957.4	988.1	1086	647.0	486.3	635.9	50- 60	7695	25739	64.1,64.1
70	1059	813.9	41.57	567.5	1093	625.8	371.5	646.6	60- 70	7518	33257	82.9,82.9
80	438.8	54.46	9.702	18.51	463.5	393.4	124.5	522.8	70- 80	4808	38065	94.8,94.8
90	10.99	0.4220	0.1626	0.3433	27.36	33.13	14.53	125.0	80- 90	1823	39888	99.4,99.4
100	0.5508	0.3842	0.2544	0.4470	0.9259	0.7809	0.4344	2.324	90-100	206.9	40095	99.9,99.9
110	0.6859	0.4516	0.3323	0.5662	0.9167	0.8320	0.7279	0.8552	100-110	7.544	40102	99.9,99.9
120	0.8001	0.5772	0.4506	0.6373	0.8854	0.8572	0.8096	0.8503	110-120	7.091	40109	99.9,99.9
130	0.8512	0.6215	0.5580	0.6618	0.9544	0.9638	0.9443	0.9370	120-130	6.961	40116	100,100
140	0.7765	0.6190	0.6290	0.6512	0.9290	1.081	1.097	1.127	130-140	6.516	40123	100,100
150	0.6815	0.6751	0.7370	0.7364	0.9417	1.072	1.122	1.082	140-150	5.473	40128	100,100
160	0.7227	0.7946	0.8763	0.8639	1.001	1.108	1.151	1.093	150-160	4.218	40132	100,100
170	0.8271	0.9398	0.9766	0.9665	0.9845	1.063	1.164	1.143	160-170	2.784	40135	100,100
180	1.036	1.036	1.036	1.036	1.065	1.065	1.065	1.065	170-180	0.9746	40136	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT: lm		

Conical surface Flux(90deg): 14629 lm

%lum = 36.4%

%lamp = 36.4%

Conical surface Flux(120deg): 25739 lm

%lum = 64.1%

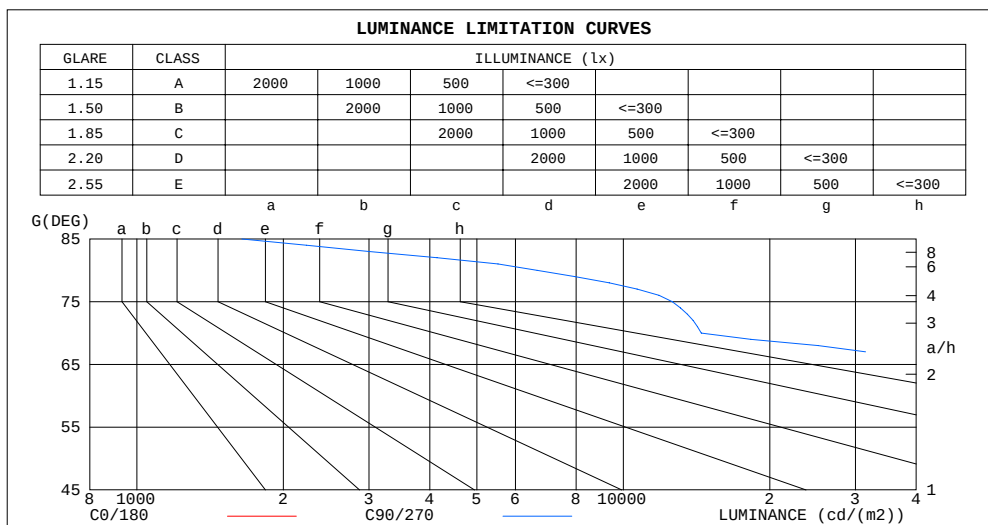
%lamp = 64.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.1%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



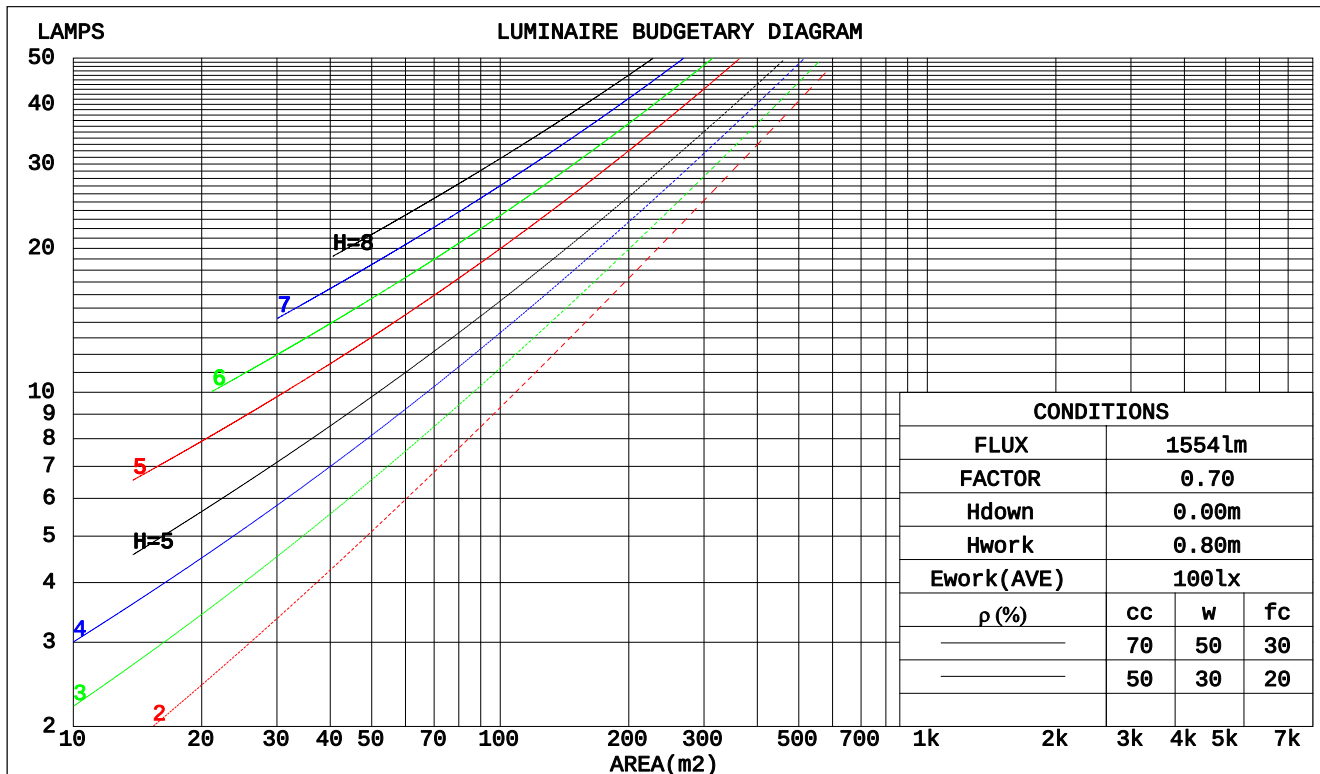
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 18 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-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:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	1.01	1.01	1.01	.99
1.0	.00	.94	.89	.97	.92	.88	.93	.89	.85	.89	.85	.82	.85	.82	.80	.77
2.0	.84	.76	.69	.82	.74	.68	.78	.72	.66	.75	.69	.64	.71	.67	.63	.60
3.0	.72	.62	.54	.70	.61	.54	.67	.59	.53	.64	.57	.52	.61	.55	.51	.48
4.0	.62	.52	.44	.61	.51	.44	.58	.50	.43	.55	.48	.42	.53	.47	.42	.39
5.0	.54	.44	.37	.53	.44	.36	.51	.42	.36	.49	.41	.35	.47	.40	.35	.32
6.0	.48	.38	.31	.47	.38	.31	.45	.37	.30	.43	.36	.30	.42	.35	.30	.27
7.0	.43	.33	.27	.42	.33	.26	.41	.32	.26	.39	.31	.26	.37	.31	.26	.23
8.0	.39	.30	.23	.38	.29	.23	.37	.29	.23	.35	.28	.23	.34	.27	.22	.20
9.0	.35	.26	.20	.35	.26	.20	.34	.26	.20	.32	.25	.20	.31	.25	.20	.18
10.0	.32	.24	.18	.32	.24	.18	.31	.23	.18	.30	.23	.18	.29	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.1%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm					
NAME: ASD Lighting Corp			TYPE: LED		WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:		Shielding Angle:

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.387	.220	.070	.380	.217	.069	.366	.210	.067	.353	.203	.065	.341	.198	.064		
2.0	.352	.193	.059	.345	.190	.059	.332	.185	.057	.321	.180	.056	.310	.175	.055		
3.0	.318	.169	.051	.312	.167	.050	.301	.163	.049	.290	.159	.049	.281	.155	.048		
4.0	.288	.149	.044	.282	.148	.044	.272	.144	.043	.263	.141	.043	.254	.138	.042		
5.0	.262	.133	.039	.257	.132	.038	.248	.129	.038	.240	.127	.038	.232	.124	.037		
6.0	.240	.120	.034	.235	.119	.034	.227	.117	.034	.220	.114	.034	.213	.112	.033		
7.0	.221	.109	.031	.217	.108	.031	.210	.106	.031	.203	.104	.030	.197	.102	.030		
8.0	.204	.100	.028	.201	.099	.028	.194	.097	.028	.188	.095	.028	.183	.094	.027		
9.0	.190	.092	.026	.187	.091	.026	.181	.089	.025	.176	.088	.025	.170	.087	.025		
10.0	.177	.085	.024	.174	.084	.023	.169	.083	.023	.164	.082	.023	.160	.080	.023		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.190	.160	.133	.163	.137	.114	.111	.095	.079	.064	.055	.046	.021	.018	.015	
2.0	.185	.136	.096	.158	.117	.083	.109	.081	.058	.063	.047	.034	.020	.015	.011	
3.0	.178	.119	.072	.153	.103	.063	.105	.072	.044	.061	.042	.026	.019	.014	.008	
4.0	.171	.107	.057	.147	.092	.050	.101	.064	.035	.058	.038	.021	.019	.012	.007	
5.0	.164	.097	.047	.140	.084	.041	.097	.058	.029	.056	.034	.017	.018	.011	.006	
6.0	.156	.089	.040	.134	.077	.035	.092	.054	.025	.054	.032	.015	.017	.010	.005	
7.0	.148	.082	.035	.128	.071	.031	.088	.050	.022	.051	.029	.013	.017	.010	.004	
8.0	.141	.076	.031	.122	.066	.027	.084	.046	.019	.049	.027	.012	.016	.009	.004	
9.0	.135	.071	.028	.116	.062	.025	.080	.043	.017	.047	.026	.010	.015	.008	.003	
10.0	.128	.067	.026	.111	.058	.023	.077	.041	.016	.045	.024	.010	.015	.008	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.1%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm											
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:			
SPEC.: ASD-LSB2HV-300D50W-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	3H	32.5	34.3	32.9	34.7	35.0	32.0	33.9	32.4	34.2	34.5
	4H	36.5	38.1	36.8	38.5	38.8	31.9	33.6	32.3	34.0	34.3
	6H	37.4	39.0	37.8	39.4	39.8	31.9	33.5	32.3	33.8	34.2
	8H	37.9	39.4	38.3	39.8	40.2	31.8	33.3	32.2	33.7	34.1
	12H	38.2	39.6	38.6	40.0	40.4	31.8	33.2	32.2	33.6	34.0
		38.4	39.7	38.8	40.1	40.6	31.8	33.2	32.2	33.6	34.0
4H	2H	33.4	35.0	33.8	35.3	35.7	33.0	34.6	33.4	35.0	35.4
	3H	37.4	38.7	37.8	39.1	39.6	33.0	34.4	33.4	34.8	35.2
	4H	38.5	39.7	38.9	40.1	40.6	33.0	34.2	33.4	34.6	35.1
	6H	39.0	40.1	39.5	40.6	41.0	32.9	34.0	33.4	34.5	34.9
	8H	39.3	40.4	39.8	40.8	41.3	32.9	33.9	33.4	34.4	34.9
	12H	39.5	40.5	40.0	41.0	41.4	32.9	33.8	33.4	34.3	34.8
8H	4H	38.5	39.6	39.0	40.0	40.5	33.2	34.2	33.6	34.7	35.1
	6H	39.2	40.0	39.7	40.5	41.0	33.1	34.0	33.6	34.5	35.0
	8H	39.5	40.3	40.0	40.8	41.3	33.1	33.9	33.6	34.4	34.9
	12H	39.7	40.4	40.3	40.9	41.5	33.1	33.8	33.6	34.3	34.9
12H	4H	38.5	39.5	39.0	40.0	40.4	33.2	34.1	33.7	34.6	35.1
	6H	39.2	39.9	39.7	40.4	41.0	33.1	33.9	33.7	34.4	34.9
	8H	39.5	40.2	40.0	40.7	41.3	33.1	33.8	33.6	34.3	34.9
CIE190: 2010											

CIE190: 2010
Area: 0.084 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 18 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.1%
Test Distance: 2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

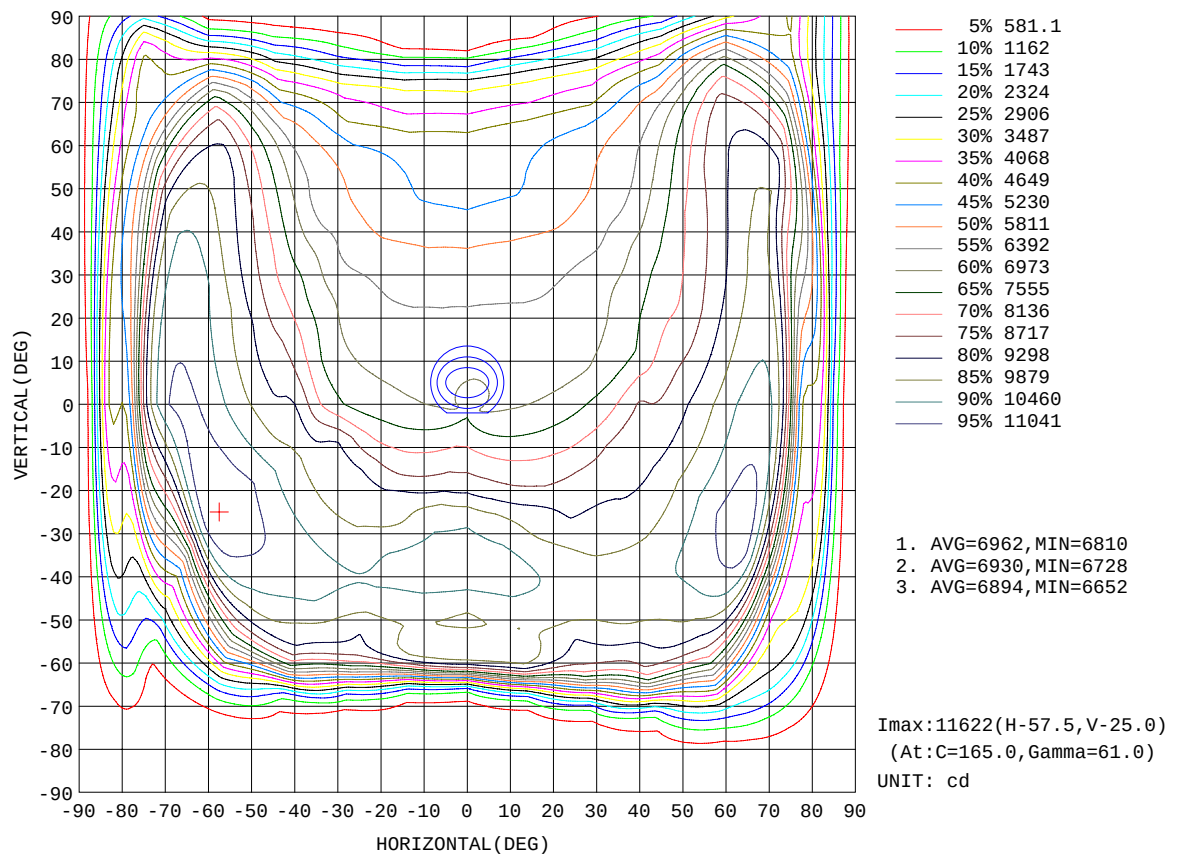
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	35	28	48	35	27	47	35	27	20
0.80	58	45	36	57	44	36	55	44	36	28
1.00	67	54	45	66	53	45	63	55	44	36
1.25	75	62	53	73	61	53	70	60	52	43
1.50	80	68	59	78	67	59	75	65	58	49
2.00	88	78	70	86	76	69	82	74	67	58
2.50	93	83	76	91	82	75	87	79	73	64
3.00	97	89	82	95	87	81	90	84	78	69
4.00	102	95	89	100	93	88	95	90	85	75
5.00	105	99	94	103	97	92	98	93	89	79
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: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.1%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

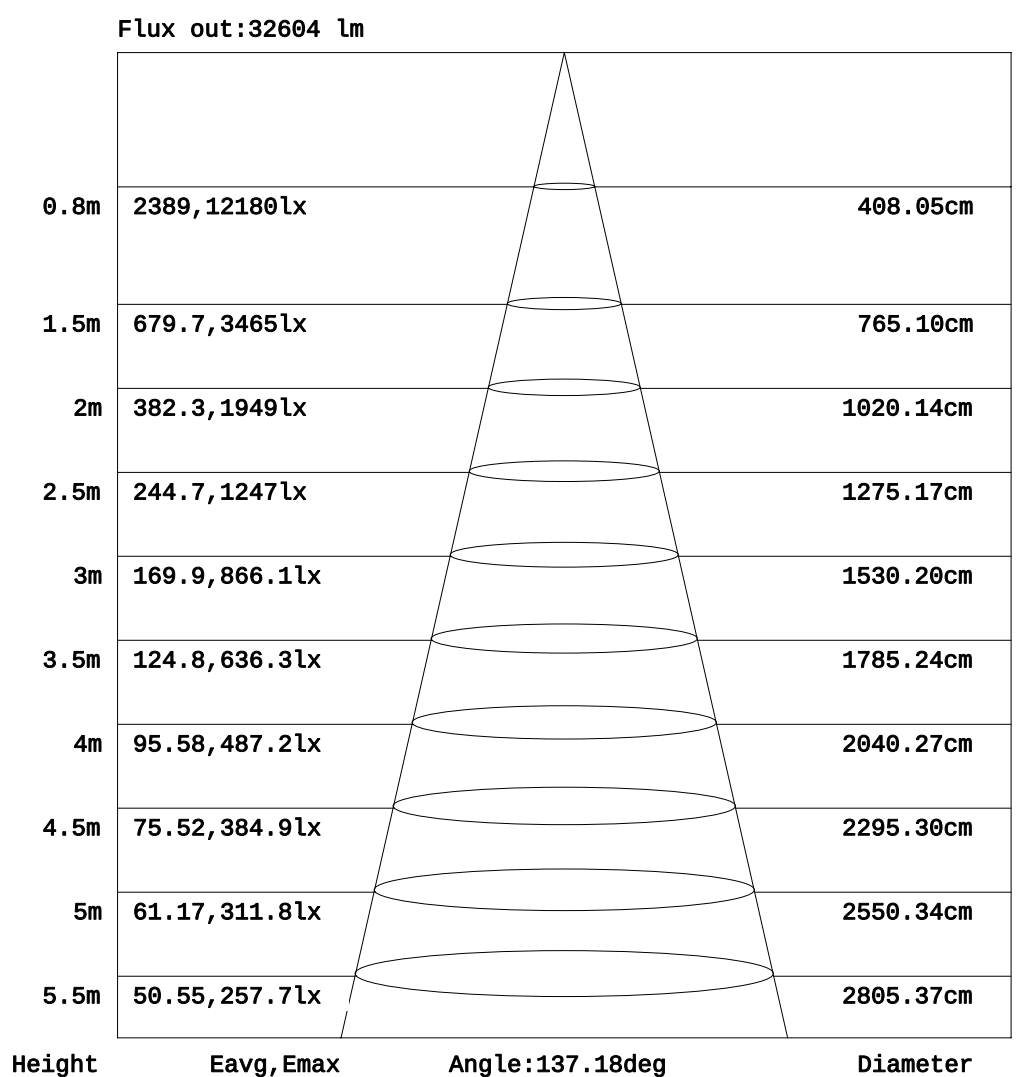


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 18 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.1%
Test Distance: 2.500m [K=1.0469]
Remarks:

AAI Figure

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



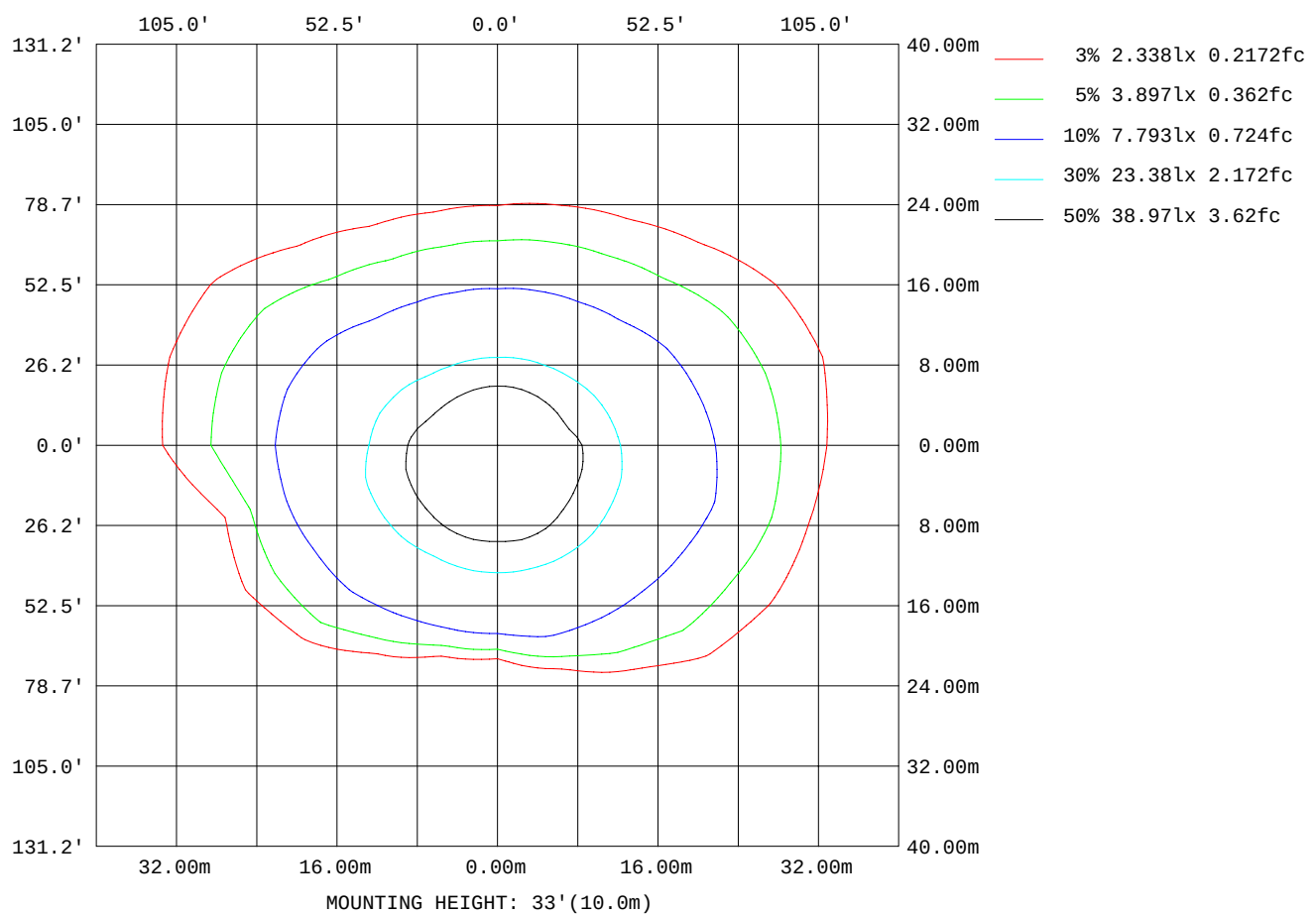
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.1%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.1%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LED Avg.L Report

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

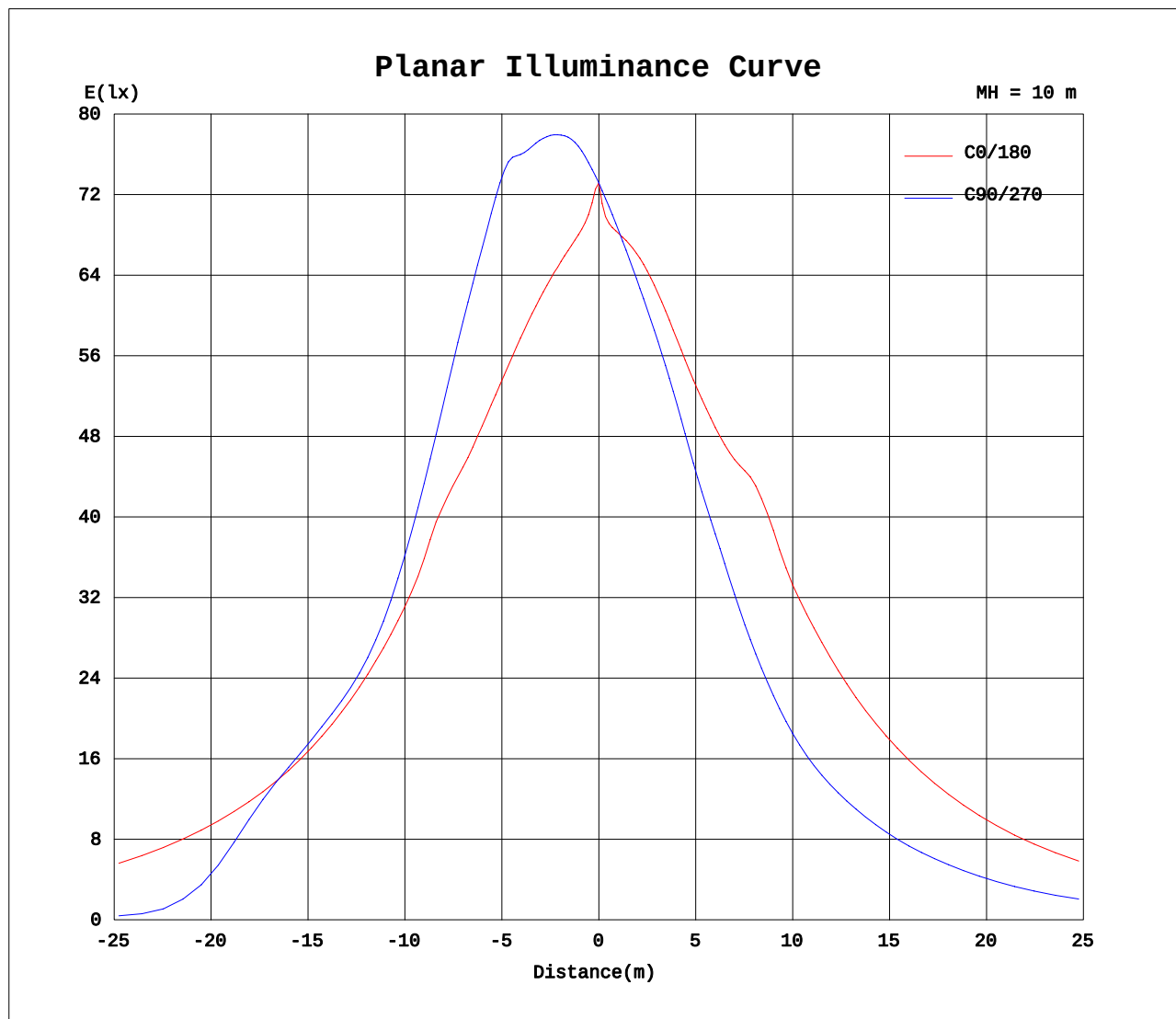
AvgL	cd/m2
L_0~180(65)av	307284
L_0~180(75)av	376552
L_0~180(85)av	318606
L_90~270(65)av	100963
L_90~270(75)av	75422
L_90~270(85)av	20113
L_45(65)av	220395
L_45(75)av	177381
L_45(85)av	191291

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-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: 25.2DEG
Operators: Alan Wang
Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.1%
Test Distance: 2.500m [K=1.0469]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732
5	694	694	702	717	735	755	772	770	755	735	714	699	692	691	691	691	693	696	699
10	690	707	728	753	776	799	815	814	796	773	745	718	698	688	681	677	675	675	676
15	699	728	760	790	817	843	863	859	836	808	777	740	707	692	681	672	666	662	661
20	716	756	795	827	859	895	922	918	881	847	816	772	718	697	682	668	657	650	648
25	739	789	831	864	910	968	1011	1005	955	907	878	824	733	702	679	659	641	631	629
30	772	831	877	910	965	1024	1054	1043	986	940	944	917	767	715	681	650	627	615	611
35	818	892	917	929	989	1057	1081	1074	1019	969	968	947	831	754	698	651	615	594	588
40	879	915	931	959	1024	1073	1072	1076	1052	1001	991	986	930	825	726	644	593	565	556
45	879	929	952	988	1041	1051	1024	1044	1050	1038	1034	1030	941	874	757	642	573	535	523
50	918	975	988	1017	1034	1004	981	995	1019	1062	1077	1085	985	909	781	642	560	520	508
55	967	1028	1029	1028	976	995	1017	1005	948	1049	1095	1134	1034	959	817	635	557	516	502
60	1019	1088	1043	989	912	1015	957	954	908	988	1068	1162	1086	1012	859	647	547	499	486
65	1065	1146	1017	917	832	597	276	353	677	918	972	1084	1117	1058	901	650	510	450	441
70	1059	1080	923	814	372	96.8	41.6	54.6	170	568	736	648	1093	1069	934	626	445	383	372
75	761	618	685	298	71.1	31.4	27.4	26.2	37.0	88.5	362	364	876	990	921	536	380	312	301
80	439	327	253	54.5	22.1	14.1	9.70	8.52	10.4	18.5	69.0	101	463	721	783	393	232	140	124
85	156	94.9	32.0	9.60	4.07	2.25	1.20	0.70	0.46	0.88	2.63	18.6	311	500	415	185	94.6	29.5	28.2
90	11.0	5.56	1.12	0.42	0.22	0.16	0.16	0.20	0.27	0.34	0.41	0.63	27.4	212	41.6	33.1	15.5	12.8	14.5
95	1.42	0.61	0.41	0.34	0.26	0.21	0.21	0.26	0.33	0.40	0.47	0.65	4.17	8.58	6.09	3.29	1.76	1.01	0.39
100	0.55	0.51	0.46	0.38	0.30	0.25	0.25	0.31	0.38	0.45	0.53	0.61	0.93	1.24	1.10	0.78	0.62	0.49	0.43
105	0.63	0.57	0.50	0.41	0.33	0.29	0.29	0.34	0.42	0.50	0.60	0.68	0.95	0.94	0.86	0.78	0.72	0.64	0.60
110	0.69	0.64	0.55	0.45	0.37	0.33	0.33	0.39	0.46	0.57	0.67	0.75	0.92	0.94	0.89	0.83	0.80	0.76	0.73
115	0.75	0.69	0.61	0.52	0.42	0.38	0.39	0.44	0.52	0.61	0.73	0.81	0.89	0.93	0.88	0.84	0.83	0.81	0.78
120	0.80	0.76	0.67	0.58	0.48	0.44	0.45	0.49	0.56	0.64	0.77	0.85	0.89	0.94	0.89	0.86	0.85	0.83	0.81
125	0.84	0.79	0.70	0.61	0.52	0.49	0.51	0.54	0.59	0.66	0.75	0.85	0.91	0.97	0.92	0.88	0.90	0.88	0.87
130	0.85	0.79	0.70	0.62	0.56	0.54	0.56	0.58	0.61	0.66	0.71	0.80	0.95	1.01	0.97	0.96	0.98	0.96	0.94
135	0.83	0.76	0.68	0.62	0.58	0.57	0.59	0.61	0.63	0.65	0.66	0.75	0.96	1.03	1.04	1.06	1.04	1.03	1.03
140	0.78	0.72	0.66	0.62	0.60	0.61	0.63	0.64	0.65	0.65	0.65	0.71	0.93	1.01	1.04	1.08	1.09	1.08	1.10
145	0.72	0.68	0.65	0.63	0.63	0.65	0.67	0.68	0.69	0.69	0.68	0.71	0.93	0.99	1.03	1.07	1.09	1.11	1.13
150	0.68	0.68	0.67	0.68	0.69	0.72	0.74	0.75	0.75	0.74	0.71	0.73	0.94	0.99	1.04	1.07	1.09	1.10	1.12
155	0.70	0.71	0.71	0.73	0.76	0.78	0.80	0.81	0.81	0.79	0.77	0.76	0.97	1.01	1.05	1.09	1.10	1.11	1.13
160	0.72	0.74	0.76	0.79	0.83	0.86	0.88	0.88	0.88	0.86	0.84	0.81	1.00	1.02	1.06	1.11	1.13	1.14	1.15
165	0.76	0.80	0.83	0.86	0.89	0.91	0.92	0.94	0.93	0.93	0.91	0.87	0.99	1.02	1.05	1.10	1.14	1.16	1.17
170	0.83	0.87	0.91	0.94	0.97	0.97	0.98	0.97	0.97	0.97	0.96	0.96	0.98	1.00	1.02	1.06	1.11	1.14	1.16
175	0.96	0.98	0.98	0.99	0.99	1.00	1.01	1.03	1.03	1.04	1.03	1.02	1.01	1.00	1.00	1.02	1.05	1.09	1.12
180	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.06	1.06	1.06	1.06	1.06	1.06	1.06

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Alan Wang
Test Date: 18 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.1%
Test Distance: 2.500m [K=1.0469]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:1.0953A P:299.81W PF:0.9882 Freq:60.00Hz Lamp Flux:40200x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2HV-300D50W-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C(°)	285	300	315	330	345													
γ (°)																		
0	732	732	732	732	732													
5	703	704	703	701	698													
10	679	680	681	682	683													
15	663	665	668	672	676													
20	651	655	661	669	679													
25	635	644	657	671	687													
30	618	630	652	675	699													
35	602	621	651	684	719													
40	573	602	651	704	749													
45	543	581	641	724	796													
50	521	562	642	746	828													
55	519	553	634	763	851													
60	512	555	636	794	896													
65	483	542	645	828	943													
70	414	493	647	866	990													
75	353	422	620	897	1012													
80	222	332	523	890	943													
85	60.8	180	365	717	651													
90	19.2	56.4	125	332	474													
95	3.89	6.65	18.5	55.6	193													
100	0.46	0.71	2.32	4.87	6.77													
105	0.61	0.71	0.80	0.92	1.05													
110	0.73	0.79	0.86	0.91	0.96													
115	0.77	0.82	0.86	0.92	0.96													
120	0.79	0.81	0.85	0.90	0.95													
125	0.83	0.86	0.87	0.91	0.95													
130	0.91	0.93	0.94	0.96	0.98													
135	1.01	1.03	1.04	1.04	1.02													
140	1.08	1.11	1.13	1.12	1.05													
145	1.10	1.11	1.12	1.12	1.03													
150	1.09	1.08	1.08	1.08	0.98													
155	1.10	1.08	1.07	1.06	0.95													
160	1.12	1.10	1.09	1.07	0.95													
165	1.15	1.14	1.12	1.09	0.96													
170	1.16	1.15	1.14	1.10	0.96													
175	1.12	1.12	1.11	1.04	0.94													
180	1.06	1.06	1.06	1.06	1.06													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Alan Wang
 Test Date: 18 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.1%
 Test Distance: 2.500m [K=1.0469]
 Remarks: