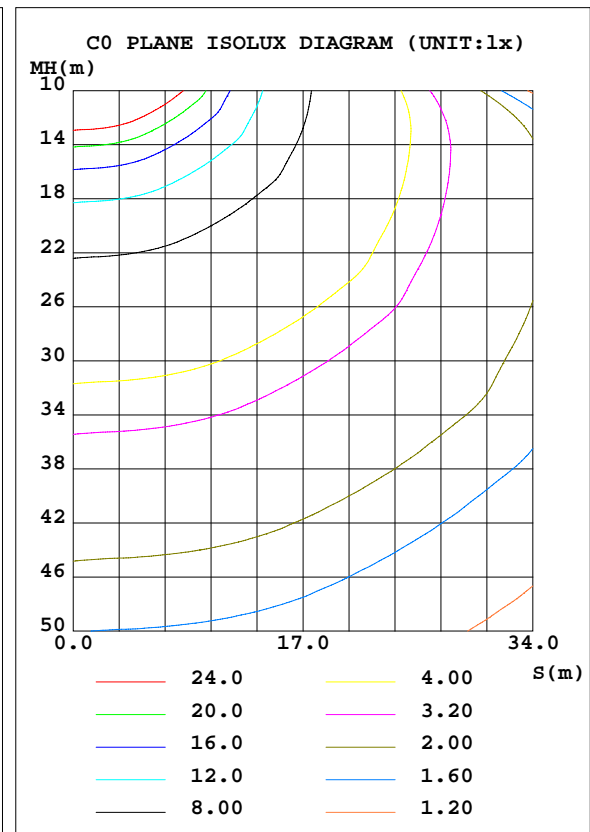
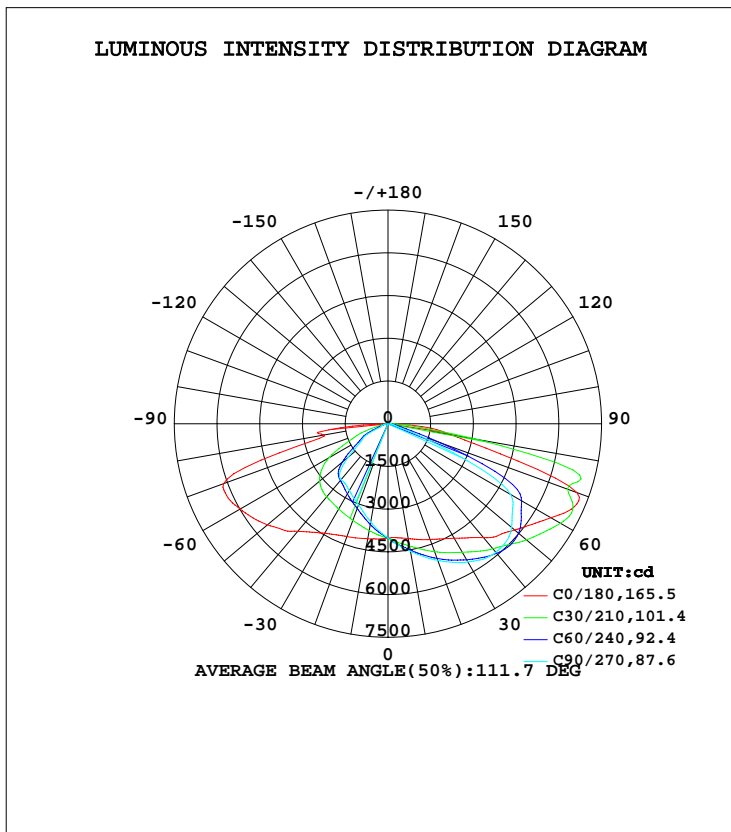


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.02 lm/W			
MODEL ASD-LSB2-150D40B-PRM		I _{max} (cd)	8624	S/MH(C0/180)	1.88
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.01
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	19650	η UP, DN(C0-180)	0.1,66.6
NOMINAL FLUX(lm)	19650	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,33.2
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	99.8	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 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	4096	4439	4544	4379	4102	3689	3503	3680	0- 10	385.5	385.5	1.91,1.91
20	4332	4927	5105	4801	4215	3350	3028	3370	10- 20	1161	1546	7.68,7.68
30	4644	5402	5605	5222	4442	3071	2716	3115	20- 30	1945	3491	17.3,17.3
40	5221	5858	5894	5680	4935	2827	2568	2920	30- 40	2746	6238	31,31
50	5803	6272	5668	6202	5524	2421	1819	2526	40- 50	3513	9750	48.4,48.4
60	6607	6110	4969	6132	5991	1393	1023	1527	50- 60	3934	13684	68,68
70	7050	4780	949.4	5105	6144	542.4	241.4	629.7	60- 70	3799	17483	86.8,86.8
80	2264	576.5	199.5	666.4	2270	134.6	92.64	133.3	70- 80	2170	19654	97.6,97.6
90	89.65	58.47	45.48	56.82	57.06	4.375	0.9583	4.764	80- 90	445.0	20098	99.8,99.8
100	2.619	0.7444	0.4378	1.148	5.735	4.220	2.412	4.685	90-100	14.64	20113	99.9,99.9
110	3.226	1.044	0.6512	1.780	5.674	4.826	3.458	4.807	100-110	3.163	20116	99.9,99.9
120	3.857	1.449	1.092	2.276	5.312	5.243	4.532	5.149	110-120	3.326	20120	99.9,99.9
130	4.581	1.988	1.679	2.594	5.723	6.402	5.959	6.307	120-130	3.611	20123	99.9,99.9
140	4.361	2.613	2.417	3.149	5.770	6.718	6.904	6.486	130-140	3.600	20127	100,100
150	3.962	3.207	3.246	3.528	5.834	6.845	7.388	6.642	140-150	3.095	20130	100,100
160	4.259	3.919	4.244	4.211	6.142	6.688	7.485	6.990	150-160	2.440	20132	100,100
170	4.756	4.783	5.227	5.033	6.046	6.109	6.529	6.508	160-170	1.568	20134	100,100
180	5.599	5.599	5.599	5.599	5.794	5.794	5.794	5.794	170-180	0.5402	20134	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 7914.2 lm

%lum = 39.3%

%lamp = 39.3%

Conical surface Flux(120deg): 13684 lm

%lum = 68.0%

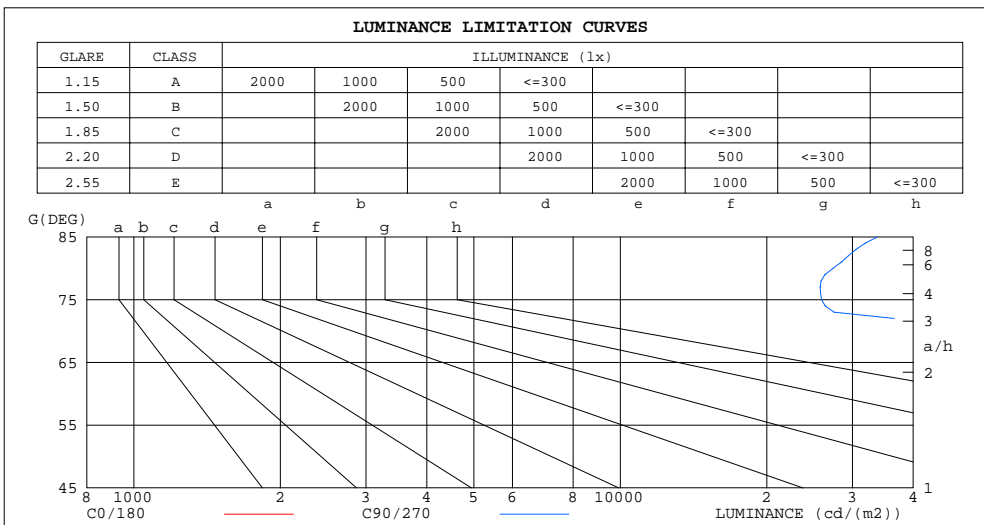
%lamp = 68.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	331046	33732
80	310414	27348
75	376024	25921
70	490748	66092
65	400192	173743
60	314603	236626
55	256036	221541
50	214943	209956
45	185958	197378

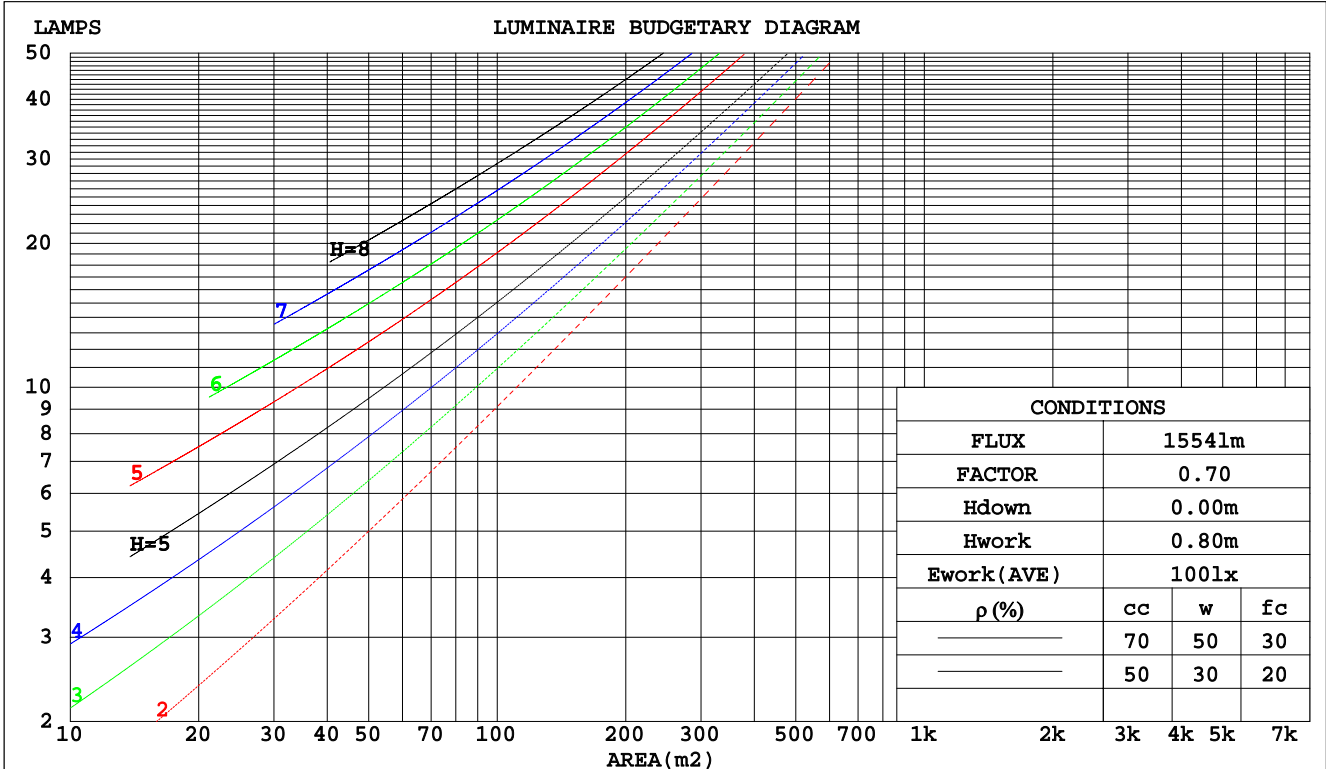
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-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	1.01	.96	.92	.99	.95	.90	.95	.91	.87	.91	.88	.85	.87	.84	.82	.80
2.0	.86	.78	.71	.84	.77	.71	.80	.74	.69	.77	.72	.67	.74	.69	.66	.63
3.0	.74	.64	.57	.72	.63	.56	.69	.61	.55	.66	.60	.54	.63	.58	.53	.51
4.0	.64	.54	.46	.62	.53	.46	.60	.52	.45	.57	.50	.45	.55	.49	.44	.41
5.0	.56	.46	.39	.55	.45	.38	.53	.44	.38	.50	.43	.37	.49	.42	.37	.35
6.0	.50	.40	.33	.49	.39	.33	.47	.38	.32	.45	.38	.32	.43	.37	.31	.29
7.0	.45	.35	.28	.44	.35	.28	.42	.34	.28	.40	.33	.28	.39	.32	.27	.25
8.0	.40	.31	.25	.39	.31	.24	.38	.30	.24	.37	.29	.24	.35	.29	.24	.22
9.0	.37	.28	.22	.36	.27	.22	.35	.27	.21	.34	.26	.21	.33	.26	.21	.19
10.0	.34	.25	.19	.33	.25	.19	.32	.24	.19	.31	.24	.19	.30	.24	.19	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-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	.357	.203	.064	.350	.199	.063	.336	.193	.062	.324	.187	.060	.312	.181	.058	
2.0	.334	.183	.056	.328	.181	.056	.316	.176	.055	.305	.171	.053	.294	.166	.052	
3.0	.306	.163	.049	.301	.161	.048	.290	.157	.048	.280	.153	.047	.270	.150	.046	
4.0	.280	.145	.043	.275	.144	.042	.265	.140	.042	.256	.137	.041	.247	.134	.041	
5.0	.256	.130	.038	.251	.129	.038	.243	.126	.037	.235	.124	.037	.227	.121	.036	
6.0	.235	.118	.034	.231	.117	.034	.223	.114	.033	.216	.112	.033	.209	.110	.033	
7.0	.217	.107	.030	.213	.106	.030	.207	.104	.030	.200	.103	.030	.194	.101	.030	
8.0	.201	.098	.028	.198	.097	.028	.192	.096	.027	.186	.094	.027	.181	.093	.027	
9.0	.187	.091	.025	.185	.090	.025	.179	.088	.025	.174	.087	.025	.169	.086	.025	
10.0	.175	.084	.023	.173	.083	.023	.168	.082	.023	.163	.081	.023	.159	.080	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.185	.157	.132	.158	.135	.114	.108	.093	.079	.062	.054	.046	.020	.017	.015	
2.0	.179	.133	.094	.154	.115	.081	.105	.079	.057	.061	.046	.033	.019	.015	.011	
3.0	.173	.116	.071	.148	.100	.061	.102	.069	.043	.059	.041	.025	.019	.013	.008	
4.0	.166	.103	.055	.142	.089	.048	.098	.062	.034	.057	.036	.020	.018	.012	.007	
5.0	.158	.093	.045	.136	.080	.039	.094	.056	.027	.054	.033	.016	.017	.011	.005	
6.0	.151	.085	.037	.130	.073	.033	.090	.051	.023	.052	.030	.014	.017	.010	.005	
7.0	.144	.078	.032	.124	.068	.028	.085	.047	.020	.050	.028	.012	.016	.009	.004	
8.0	.137	.072	.028	.118	.063	.025	.081	.044	.017	.047	.026	.010	.015	.009	.003	
9.0	.130	.067	.025	.112	.059	.022	.078	.041	.016	.045	.024	.009	.015	.008	.003	
10.0	.124	.063	.023	.107	.055	.020	.074	.039	.014	.043	.023	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm										
NAME: ASD Lighting Corp					TYPE: LED			WEIGHT:		
SPEC.: ASD-LSB2-150D40B-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	34.6	36.4	35.0	36.7	37.0	32.6	34.4	32.9	34.7	35.0
3H	39.1	40.8	39.5	41.1	41.5	33.0	34.6	33.4	35.0	35.3
4H	40.3	41.9	40.7	42.2	42.6	32.9	34.5	33.3	34.9	35.2
6H	40.7	42.1	41.1	42.5	42.9	32.9	34.4	33.3	34.7	35.1
8H	40.8	42.2	41.3	42.6	43.0	32.9	34.3	33.3	34.7	35.1
12H	41.0	42.4	41.4	42.7	43.2	32.9	34.2	33.3	34.6	35.1
4H 2H	35.4	37.0	35.8	37.3	37.7	34.1	35.6	34.5	36.0	36.4
3H	40.0	41.3	40.4	41.7	42.1	34.6	35.9	35.0	36.3	36.7
4H	41.6	42.8	42.1	43.3	43.7	34.5	35.8	35.0	36.2	36.6
6H	42.2	43.3	42.6	43.7	44.2	34.5	35.6	35.0	36.0	36.5
8H	42.4	43.4	42.9	43.8	44.3	34.5	35.5	35.0	36.0	36.4
12H	42.6	43.5	43.1	44.0	44.5	34.5	35.4	35.0	35.9	36.4
8H 4H	41.7	42.7	42.2	43.2	43.7	35.9	36.9	36.3	37.3	37.8
6H	42.5	43.3	43.0	43.8	44.3	35.8	36.7	36.3	37.2	37.6
8H	42.8	43.5	43.3	44.0	44.5	35.8	36.6	36.3	37.1	37.6
12H	43.2	43.8	43.7	44.3	44.9	35.8	36.5	36.4	37.0	37.6
12H 4H	41.7	42.6	42.2	43.1	43.6	36.3	37.2	36.8	37.7	38.2
6H	42.5	43.3	43.0	43.7	44.2	36.3	37.1	36.8	37.5	38.1
8H	42.8	43.5	43.3	44.0	44.5	36.3	37.0	36.8	37.5	38.0
CIE190: 2010										

CIE190: 2010
Area: 0.042 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 17 July 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
Humidity: 52.3%
Test Distance: 2.500m [K=1.0469]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

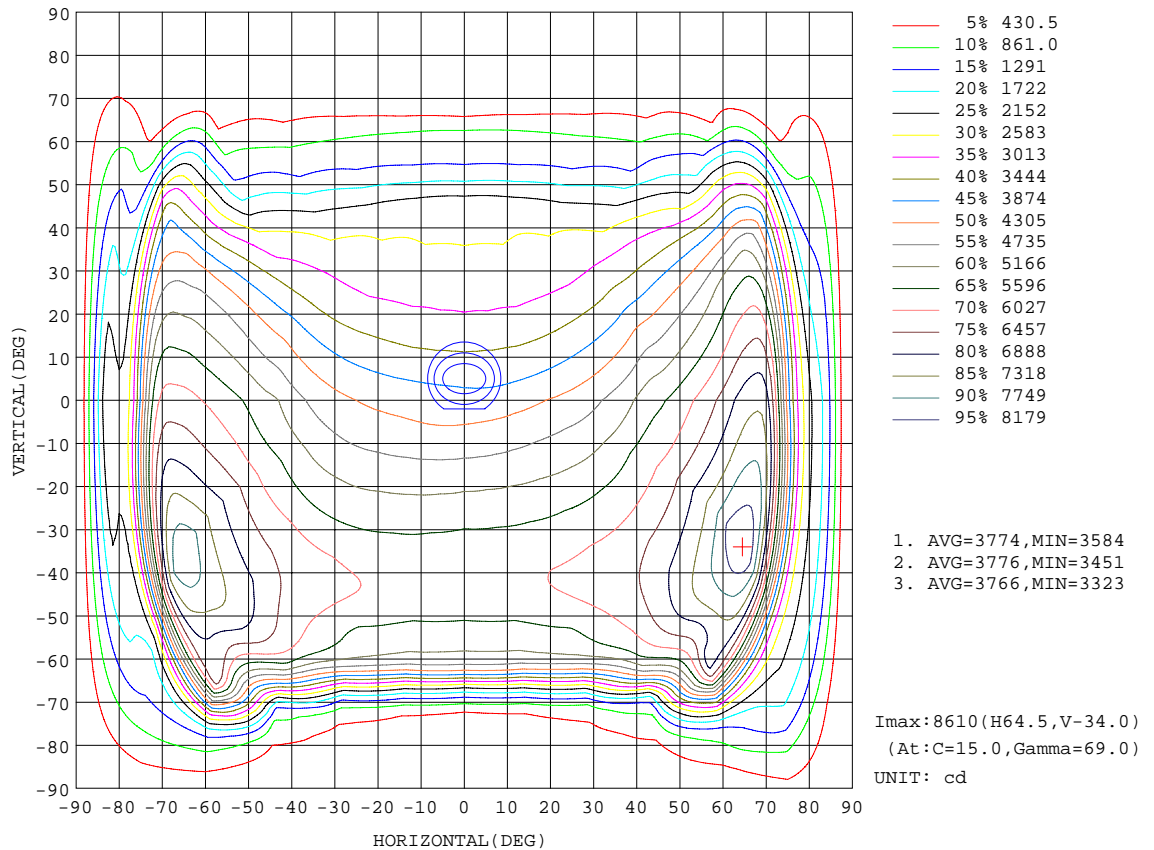
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	38	59	46	38	57	45	38	30
1.00	69	56	47	67	55	47	65	57	46	38
1.25	76	64	56	75	63	55	72	62	54	46
1.50	82	70	62	80	69	62	77	67	60	52
2.00	90	80	72	88	79	71	84	76	70	61
2.50	95	86	79	93	84	78	89	81	76	67
3.00	99	91	84	97	89	83	92	86	81	72
4.00	104	97	92	101	95	90	97	92	88	78
5.00	107	101	96	104	99	95	99	95	92	82
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: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

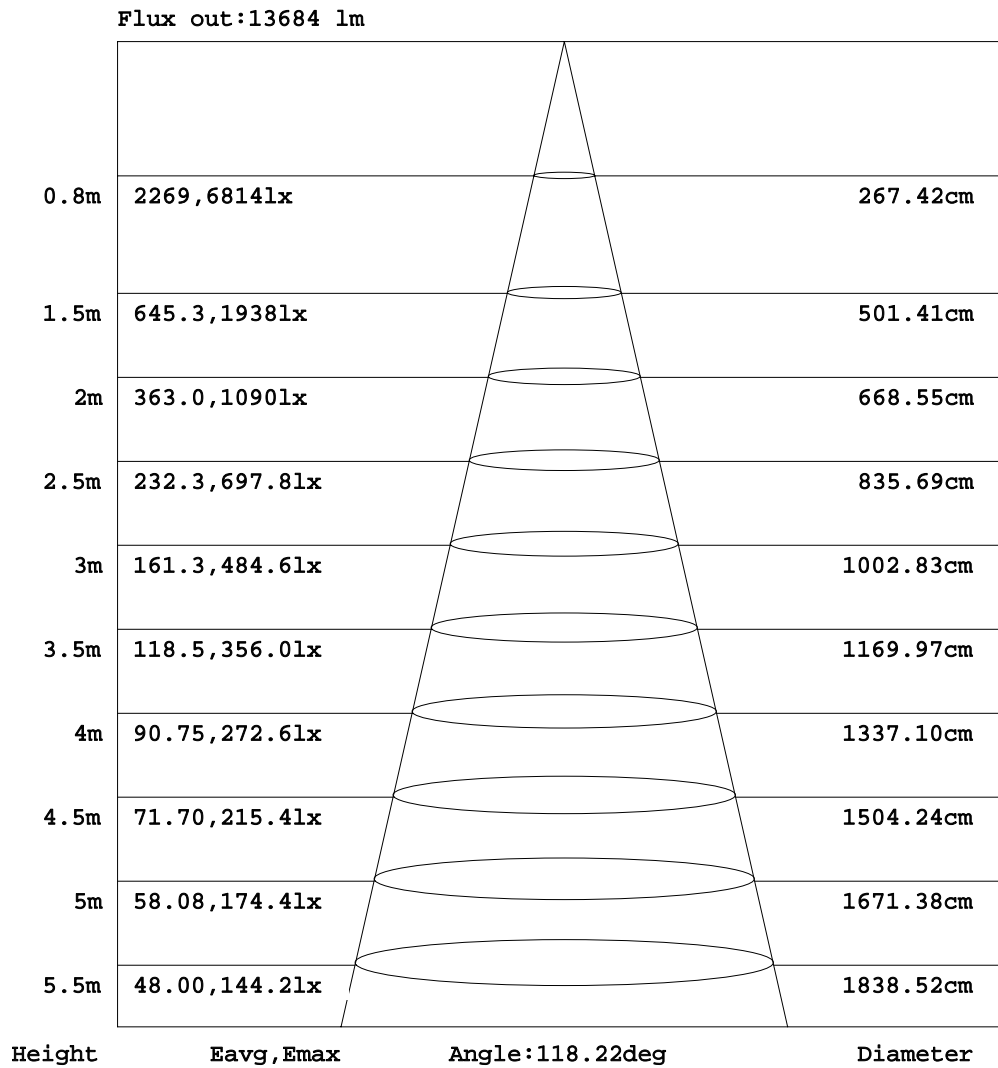


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

AAI Figure

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



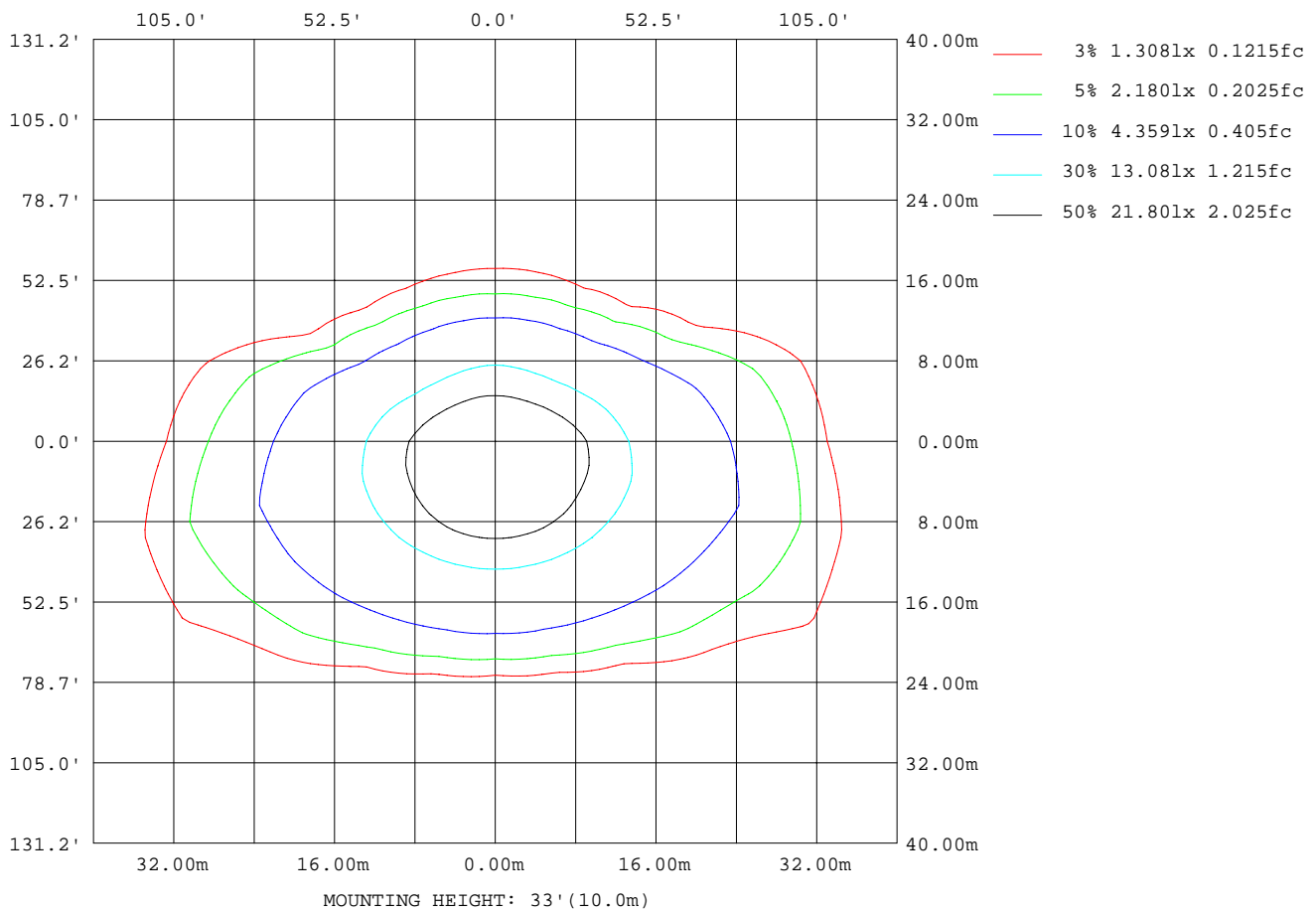
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-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: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

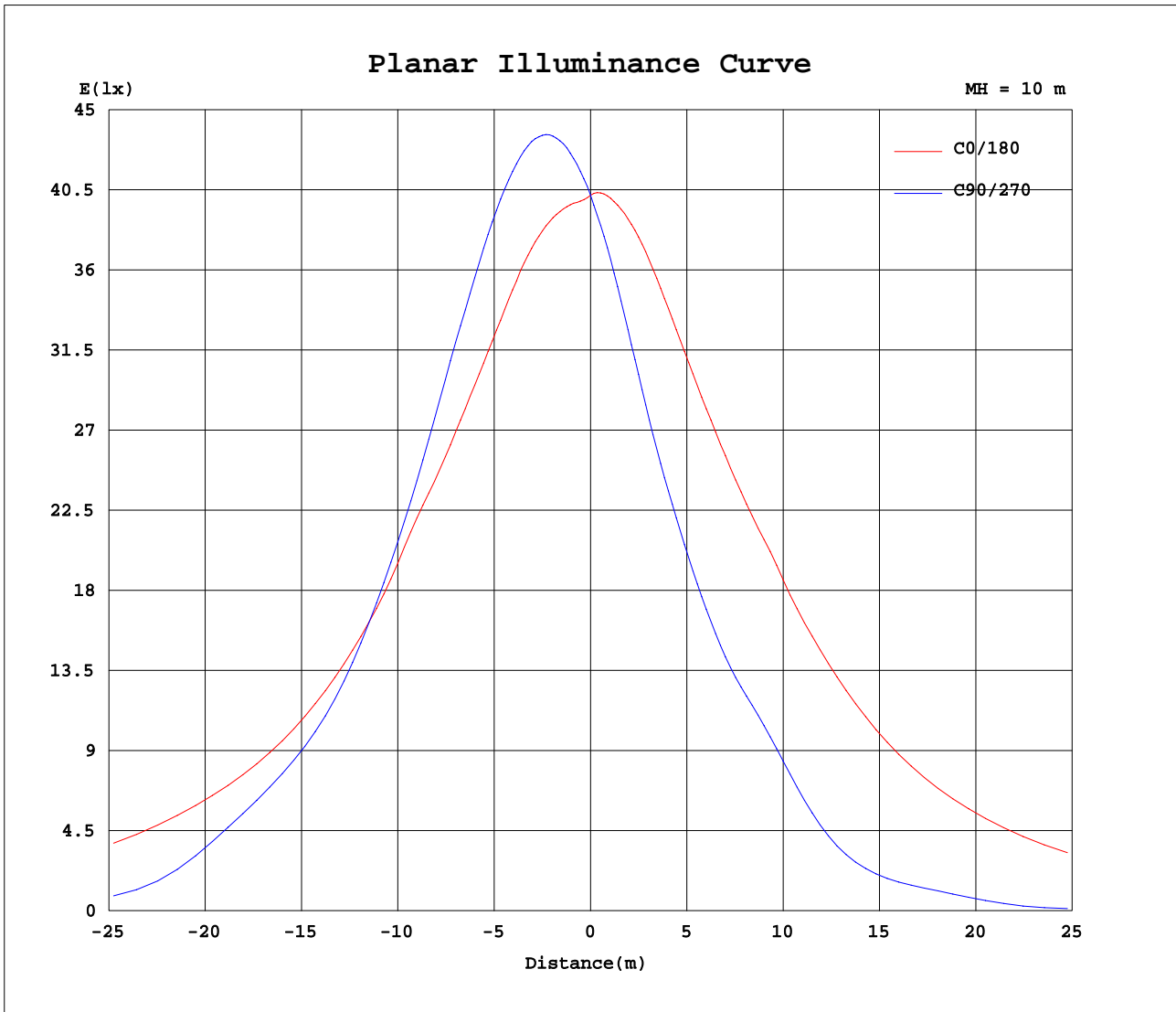
AvgL	cd/m2
L_0~180(65)av	374403
L_0~180(75)av	369920
L_0~180(85)av	393600
L_90~270(65)av	102269
L_90~270(75)av	21472
L_90~270(85)av	16918
L_45(65)av	197013
L_45(75)av	90523
L_45(85)av	43589

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 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: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-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	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019	4019
5	4021	4118	4191	4231	4260	4274	4274	4254	4223	4181	4147	4122	4062	3988	3919	3861	3815	3785	3768
10	4096	4247	4355	4439	4502	4538	4544	4513	4459	4379	4285	4198	4102	3954	3811	3689	3594	3535	3503
15	4206	4413	4564	4683	4768	4816	4825	4779	4699	4589	4453	4307	4156	3929	3705	3511	3367	3284	3249
20	4332	4590	4781	4927	5033	5094	5105	5044	4937	4801	4622	4419	4215	3916	3613	3350	3169	3068	3028
25	4457	4763	4994	5165	5283	5352	5371	5294	5173	5014	4801	4554	4303	3924	3532	3207	3005	2902	2864
30	4644	4975	5212	5402	5514	5581	5605	5526	5392	5222	4997	4738	4442	3963	3460	3071	2851	2747	2716
35	4893	5244	5474	5638	5740	5791	5809	5745	5618	5443	5232	4976	4652	4052	3396	2952	2708	2617	2595
40	5221	5591	5731	5858	5937	5916	5894	5897	5852	5680	5496	5302	4935	4192	3350	2827	2604	2562	2568
45	5523	5922	6003	6105	6046	5900	5862	5902	5991	5967	5812	5646	5258	4348	3276	2665	2473	2408	2378
50	5803	6279	6346	6272	5982	5729	5668	5736	5965	6202	6189	6013	5524	4461	3132	2421	2093	1898	1819
55	6168	6789	6653	6257	5714	5396	5337	5399	5697	6234	6504	6487	5776	4574	2860	1994	1521	1329	1261
60	6607	7404	6993	6110	5418	5054	4969	5088	5448	6132	6846	6987	5991	4613	2396	1393	1104	1036	1023
65	7103	8250	7155	5861	4540	3413	3084	3500	4746	6081	7150	7578	6188	4528	1638	984	795	633	547
70	7050	8536	6712	4780	1963	1132	949	1210	2181	5105	6832	8166	6144	4221	1095	542	354	242	241
75	4088	6168	6973	1462	543	317	282	336	625	1938	6754	6579	3955	3666	484	266	197	186	185
80	2264	2604	3210	577	279	205	199	208	293	666	4340	1993	2270	798	165	135	111	107	92.6
85	1212	1693	799	263	149	126	123	125	157	313	1019	1168	1670	169	55.4	30.1	12.9	2.40	0.38
90	89.7	295	135	58.5	48.8	48.9	45.5	48.3	49.1	56.8	194	219	57.1	24.5	8.88	4.38	1.89	1.07	0.96
95	2.52	29.6	5.63	2.36	2.48	3.00	2.99	2.94	2.70	3.42	17.7	27.6	6.11	5.60	4.58	3.60	2.50	1.79	1.63
100	2.62	1.96	1.32	0.74	0.50	0.46	0.44	0.49	0.69	1.15	1.68	2.38	5.74	5.74	5.10	4.22	3.41	2.61	2.41
105	2.92	2.23	1.54	0.90	0.61	0.55	0.55	0.60	0.92	1.45	2.10	2.78	5.92	5.81	5.26	4.65	4.11	3.31	3.09
110	3.23	2.47	1.70	1.04	0.72	0.66	0.65	0.76	1.19	1.78	2.50	3.19	5.67	5.60	5.23	4.83	4.41	3.80	3.46
115	3.57	2.70	1.84	1.18	0.88	0.84	0.85	0.99	1.46	2.06	2.81	3.54	5.45	5.57	5.30	4.96	4.71	4.25	3.88
120	3.86	2.96	2.10	1.45	1.12	1.08	1.09	1.26	1.70	2.28	3.10	3.89	5.31	5.66	5.46	5.24	5.25	4.82	4.53
125	4.33	3.28	2.41	1.72	1.39	1.34	1.36	1.56	1.97	2.40	3.39	4.27	5.40	5.98	5.83	5.88	5.83	5.48	5.26
130	4.58	3.53	2.64	1.99	1.69	1.63	1.68	1.88	2.23	2.59	3.58	4.55	5.72	6.34	6.30	6.40	6.27	6.14	5.96
135	4.56	3.68	2.88	2.30	2.02	1.97	2.03	2.22	2.51	2.88	3.62	4.62	5.87	6.35	6.55	6.61	6.55	6.53	6.49
140	4.36	3.72	3.10	2.61	2.37	2.35	2.42	2.59	2.83	3.15	3.59	4.44	5.77	6.20	6.52	6.72	6.78	6.84	6.90
145	4.13	3.71	3.28	2.91	2.71	2.71	2.80	2.96	3.17	3.35	3.55	4.20	5.77	6.12	6.52	6.78	6.92	7.07	7.19
150	3.96	3.71	3.44	3.21	3.07	3.12	3.25	3.38	3.53	3.53	3.63	4.02	5.83	6.15	6.57	6.84	6.99	7.22	7.39
155	4.09	3.90	3.71	3.55	3.49	3.58	3.73	3.84	3.92	3.86	3.87	4.11	5.99	6.21	6.53	6.84	7.04	7.29	7.53
160	4.26	4.13	4.00	3.92	3.95	4.09	4.24	4.33	4.36	4.21	4.09	4.24	6.14	6.23	6.42	6.69	6.90	7.17	7.49
165	4.46	4.40	4.34	4.35	4.44	4.60	4.73	4.81	4.78	4.61	4.46	4.42	6.11	6.14	6.21	6.36	6.50	6.73	7.06
170	4.76	4.74	4.74	4.78	4.91	5.08	5.23	5.26	5.20	5.03	4.87	4.73	6.05	6.04	6.05	6.11	6.14	6.25	6.53
175	5.27	5.20	5.17	5.22	5.33	5.46	5.56	5.60	5.57	5.47	5.34	5.26	6.02	6.00	6.00	6.04	6.01	6.03	6.18
180	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.79	5.79	5.79	5.79	5.79	5.79	5.79

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.2530A P:150.23W PF:0.9991 Freq:60.00Hz Lamp Flux:19650 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-LSB2-150D40B-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	4019	4019	4019	4019	4019														
5	3777	3800	3839	3889	3949														
10	3529	3587	3680	3795	3927														
15	3285	3372	3522	3717	3938														
20	3065	3172	3370	3648	3967														
25	2896	3003	3234	3601	4020														
30	2743	2860	3115	3571	4103														
35	2617	2733	3023	3547	4233														
40	2566	2625	2920	3555	4429														
45	2422	2501	2763	3532	4621														
50	1932	2148	2526	3485	4725														
55	1339	1563	2135	3339	4882														
60	1052	1103	1527	2979	5087														
65	666	833	1061	2257	5292														
70	245	372	630	1559	5120														
75	183	214	270	641	3764														
80	110	111	133	196	908														
85	6.20	19.8	32.5	53.9	168														
90	1.14	2.19	4.76	8.89	26.8														
95	1.88	2.76	4.04	4.85	5.02														
100	2.72	3.65	4.69	5.30	5.35														
105	3.37	4.21	4.92	5.30	5.39														
110	3.67	4.23	4.81	5.11	5.12														
115	3.93	4.36	4.84	5.02	5.08														
120	4.45	4.74	5.15	5.27	5.22														
125	5.21	5.40	5.72	5.81	5.60														
130	5.84	6.01	6.31	6.47	6.06														
135	6.27	6.31	6.50	6.62	6.18														
140	6.65	6.50	6.49	6.48	5.99														
145	6.94	6.67	6.50	6.40	5.85														
150	7.20	6.89	6.64	6.45	5.82														
155	7.43	7.17	6.83	6.58	5.87														
160	7.49	7.33	6.99	6.67	5.89														
165	7.16	7.12	6.86	6.53	5.75														
170	6.65	6.66	6.51	6.24	5.54														
175	6.28	6.28	6.14	5.83	5.43														
180	5.79	5.79	5.79	5.79	5.79														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 July 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 52.3%
 Test Distance: 2.500m [K=1.0469]
 Remarks: