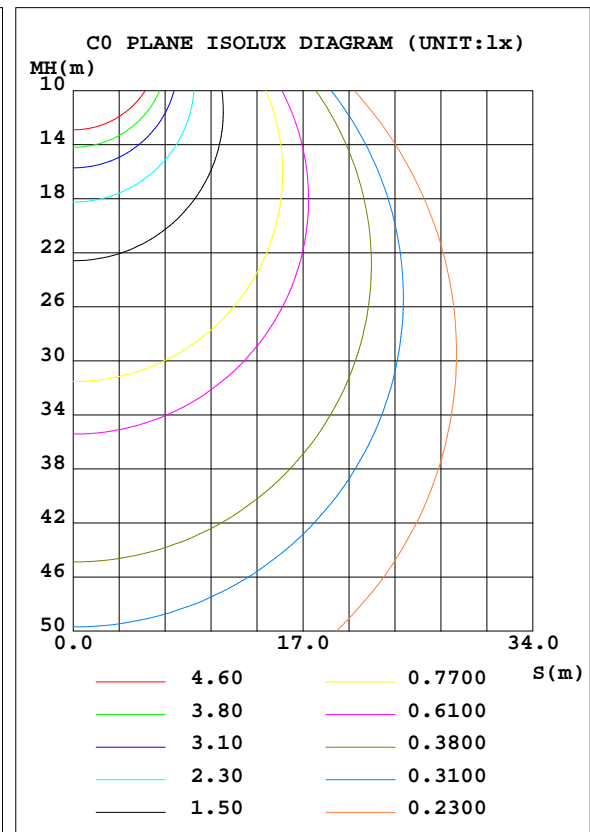
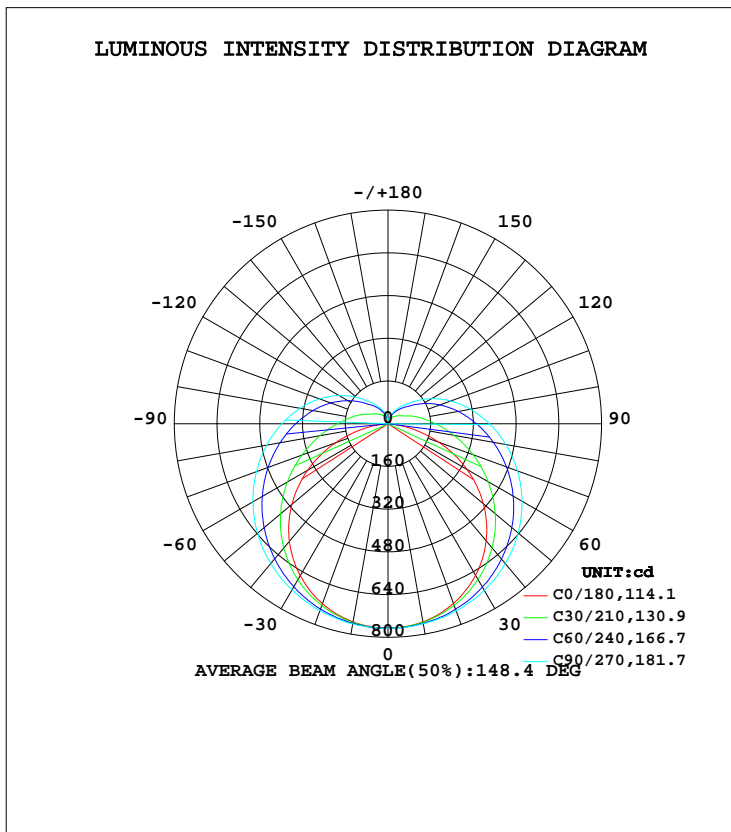


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME:ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.41 lm/W			
MODEL	ASD-LVF23-48D35CC-NK	I _{max} (cd)	766.5	S/MH(C0/180)	1.28
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3793.7	η UP, DN(C0-180)	9.2,40.1
NOMINAL FLUX(lm)	3793.68	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	10.3,40.4
LAMPS INSIDE	1	η up(%)	19.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	80.5	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	753.3	757.3	760.5	757.8	752.7	758.0	761.1	757.4	0- 10	72.69	72.69	1.92,1.92
20	716.7	732.0	746.2	732.9	717.7	732.3	745.7	731.5	10- 20	211.1	283.7	7.48,7.48
30	655.4	691.3	721.3	691.6	657.5	690.3	718.5	690.1	20- 30	328.9	612.7	16.1,16.1
40	571.9	635.9	682.9	636.0	574.3	635.2	682.5	633.9	30- 40	415.0	1028	27.1,27.1
50	466.4	568.3	636.7	568.9	470.3	569.9	637.5	566.8	40- 50	461.8	1489	39.3,39.3
60	341.2	494.2	579.6	493.7	346.7	495.9	584.4	493.7	50- 60	466.5	1956	51.6,51.6
70	202.3	416.0	516.1	415.3	209.1	420.4	524.1	418.1	60- 70	432.5	2389	63,63
80	67.41	338.5	448.1	337.6	74.44	347.2	461.1	344.3	70- 80	369.9	2758	72.7,72.7
90	0.2980	268.1	380.1	266.9	0.3749	281.1	397.6	278.1	80- 90	296.8	3055	80.5,80.5
100	1.196	207.7	314.2	206.2	1.342	224.4	334.7	221.9	90-100	233.5	3289	86.7,86.7
110	4.232	154.3	249.9	153.2	4.127	173.0	273.0	170.0	100-110	178.1	3467	91.4,91.4
120	8.085	108.4	188.3	107.6	7.747	127.7	211.5	124.8	110-120	128.0	3595	94.8,94.8
130	11.54	76.64	132.0	75.80	11.23	91.29	154.3	89.70	120-130	85.73	3681	97,97
140	14.15	55.92	90.33	55.53	14.15	69.63	107.1	68.69	130-140	54.00	3735	98.4,98.4
150	16.42	39.39	60.95	39.32	16.01	50.07	75.96	52.94	140-150	32.58	3767	99.3,99.3
160	15.26	26.06	37.51	25.87	14.72	33.71	50.44	41.13	150-160	17.48	3785	99.8,99.8
170	13.99	19.77	21.39	14.16	13.15	18.27	31.03	28.52	160-170	7.273	3792	100,100
180	20.83	19.04	6.820	19.83	20.51	19.69	14.36	17.34	170-180	1.758	3794	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1255.4 lm

%lum = 33.1%

%lamp = 33.1%

Conical surface Flux(120deg): 1956 lm

%lum = 51.6%

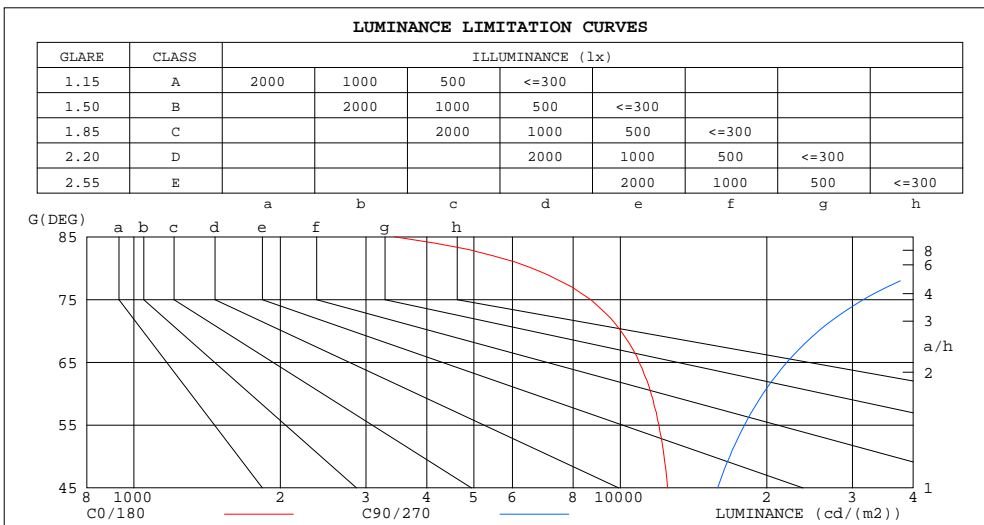
%lamp = 51.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME:ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3435	80547
80	6580	43737
75	8691	31590
70	10027	25574
65	10926	21998
60	11566	19648
55	12004	17998
50	12298	16789
45	12509	15853

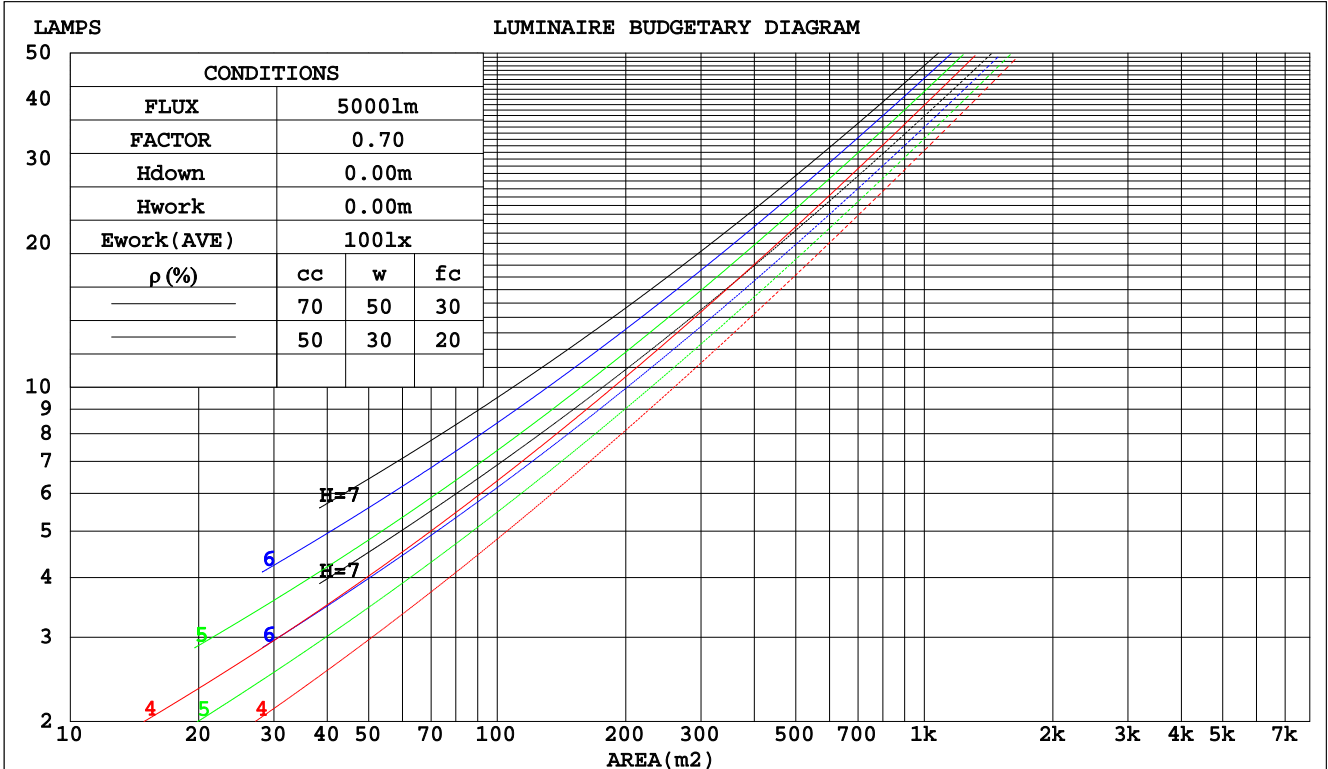
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME: ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.81
1.0	.95	.90	.85	.91	.86	.81	.83	.79	.75	.76	.72	.69	.69	.66	.64	.60
2.0	.81	.73	.66	.77	.70	.64	.71	.65	.60	.64	.60	.55	.59	.55	.51	.48
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.49	.56	.50	.45	.51	.46	.42	.39
4.0	.62	.52	.45	.59	.50	.43	.54	.46	.41	.49	.43	.38	.45	.40	.35	.32
5.0	.55	.45	.38	.52	.43	.37	.48	.40	.35	.44	.37	.32	.40	.35	.30	.28
6.0	.49	.39	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.36	.31	.26	.24
7.0	.44	.35	.28	.42	.34	.28	.39	.31	.26	.36	.29	.25	.33	.27	.23	.21
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.33	.26	.22	.30	.25	.21	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.26	.21	.30	.24	.20	.28	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.26	.20	.17	.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME: ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	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	.391	.222	.070	.378	.216	.068	.353	.203	.065	.331	.191	.061	.310	.179	.058	
2.0	.337	.185	.057	.325	.179	.055	.303	.168	.052	.282	.158	.050	.263	.149	.047	
3.0	.299	.159	.048	.288	.154	.046	.268	.145	.044	.249	.136	.042	.232	.128	.040	
4.0	.268	.139	.041	.259	.135	.040	.240	.127	.038	.223	.120	.036	.207	.113	.034	
5.0	.244	.124	.036	.235	.121	.035	.218	.114	.033	.203	.107	.032	.188	.101	.030	
6.0	.223	.112	.032	.215	.109	.031	.200	.102	.030	.186	.096	.028	.172	.091	.027	
7.0	.206	.102	.029	.198	.099	.028	.184	.093	.027	.171	.088	.026	.159	.083	.024	
8.0	.191	.093	.026	.184	.091	.026	.171	.085	.024	.159	.081	.023	.148	.076	.022	
9.0	.177	.086	.024	.171	.083	.023	.159	.079	.022	.148	.074	.021	.138	.070	.020	
10.0	.166	.080	.022	.160	.077	.022	.149	.073	.021	.139	.069	.020	.129	.065	.019	

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	.339	.339	.339	.290	.290	.290	.198	.198	.198	.114	.114	.114	.036	.036	.036	
1.0	.335	.305	.277	.287	.262	.239	.196	.180	.165	.113	.104	.096	.036	.034	.031	
2.0	.329	.282	.243	.282	.243	.210	.193	.168	.147	.111	.098	.086	.036	.032	.028	
3.0	.321	.266	.222	.276	.229	.192	.189	.159	.135	.109	.093	.079	.035	.030	.026	
4.0	.314	.253	.207	.269	.219	.180	.185	.153	.127	.107	.089	.075	.034	.029	.025	
5.0	.306	.244	.198	.263	.211	.172	.181	.147	.121	.105	.086	.072	.034	.028	.024	
6.0	.298	.236	.191	.257	.204	.166	.177	.143	.118	.103	.084	.070	.033	.027	.023	
7.0	.291	.229	.186	.251	.199	.162	.173	.139	.115	.101	.082	.068	.033	.027	.023	
8.0	.285	.224	.182	.245	.194	.158	.170	.136	.112	.099	.080	.067	.032	.026	.022	
9.0	.278	.219	.179	.240	.190	.156	.166	.134	.111	.097	.079	.066	.031	.026	.022	
10.0	.272	.215	.176	.235	.186	.154	.163	.131	.109	.095	.078	.065	.031	.025	.022	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm										
NAME:ASD-LVF23-48D35CC-NK 4000K					TYPE:LED			WEIGHT:		
SPEC.:					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	20.0	21.4	20.5	21.9	22.5	22.2	23.5	22.7	24.1	24.7
3H	21.5	22.8	22.1	23.3	24.0	24.9	26.2	25.5	26.7	27.4
4H	22.1	23.3	22.6	23.8	24.5	26.4	27.6	27.0	28.2	28.9
6H	22.4	23.5	23.0	24.1	24.8	28.1	29.2	28.7	29.8	30.5
8H	22.5	23.6	23.1	24.2	24.9	29.0	30.1	29.6	30.7	31.4
12H	22.5	23.6	23.1	24.2	24.9	30.1	31.1	30.7	31.8	32.5
4H 2H	21.2	22.4	21.8	23.0	23.7	22.8	24.0	23.4	24.6	25.2
3H	23.1	24.1	23.7	24.7	25.4	25.8	26.8	26.4	27.4	28.1
4H	23.8	24.8	24.5	25.4	26.2	27.5	28.4	28.1	29.1	29.8
6H	24.4	25.3	25.1	25.9	26.7	29.4	30.2	30.0	30.9	31.7
8H	24.6	25.4	25.3	26.1	26.9	30.4	31.2	31.1	31.9	32.7
12H	24.7	25.4	25.4	26.1	26.9	31.6	32.4	32.3	33.1	33.9
8H 4H	25.0	25.8	25.7	26.5	27.3	27.8	28.7	28.5	29.3	30.1
6H	26.1	26.8	26.8	27.5	28.3	30.1	30.7	30.8	31.4	32.3
8H	26.5	27.1	27.2	27.8	28.7	31.3	31.9	32.0	32.7	33.5
12H	26.8	27.3	27.5	28.1	29.0	32.8	33.3	33.5	34.1	34.9
12H 4H	25.4	26.2	26.1	26.9	27.7	27.9	28.6	28.6	29.3	30.1
6H	26.7	27.3	27.4	28.1	28.9	30.2	30.8	30.9	31.5	32.4
8H	27.4	27.9	28.1	28.6	29.5	31.6	32.1	32.3	32.9	33.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 3794 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.6)
 Area: 0.059 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME: ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

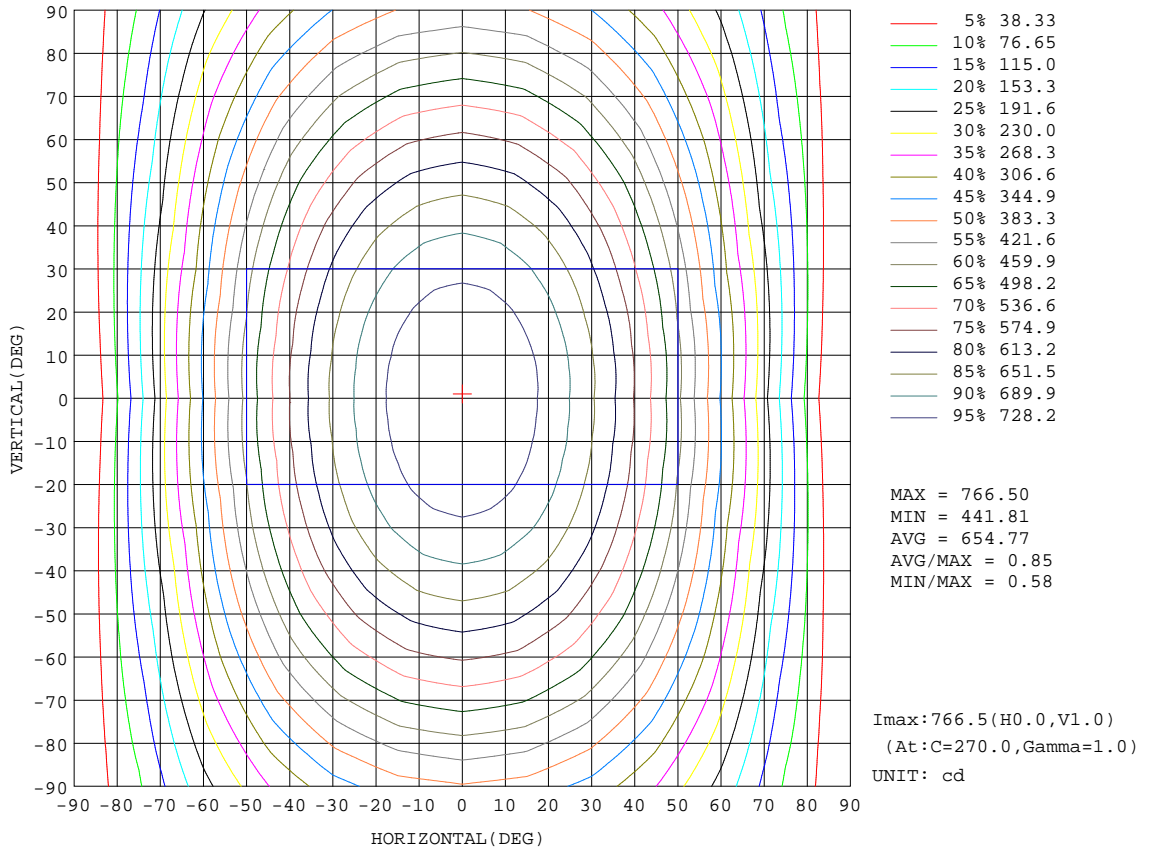
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	46	34	27	44	33	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	64	50	42	62	49	41	58	50	40	31
1.25	71	58	49	68	56	48	64	54	46	37
1.50	76	63	54	73	62	53	68	58	51	41
2.00	83	72	63	80	70	62	74	65	59	47
2.50	88	77	69	84	75	67	78	70	64	51
3.00	91	82	74	88	79	72	81	74	68	54
4.00	96	88	81	92	85	79	85	79	74	59
5.00	99	92	86	95	89	83	87	82	78	62
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: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME:ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



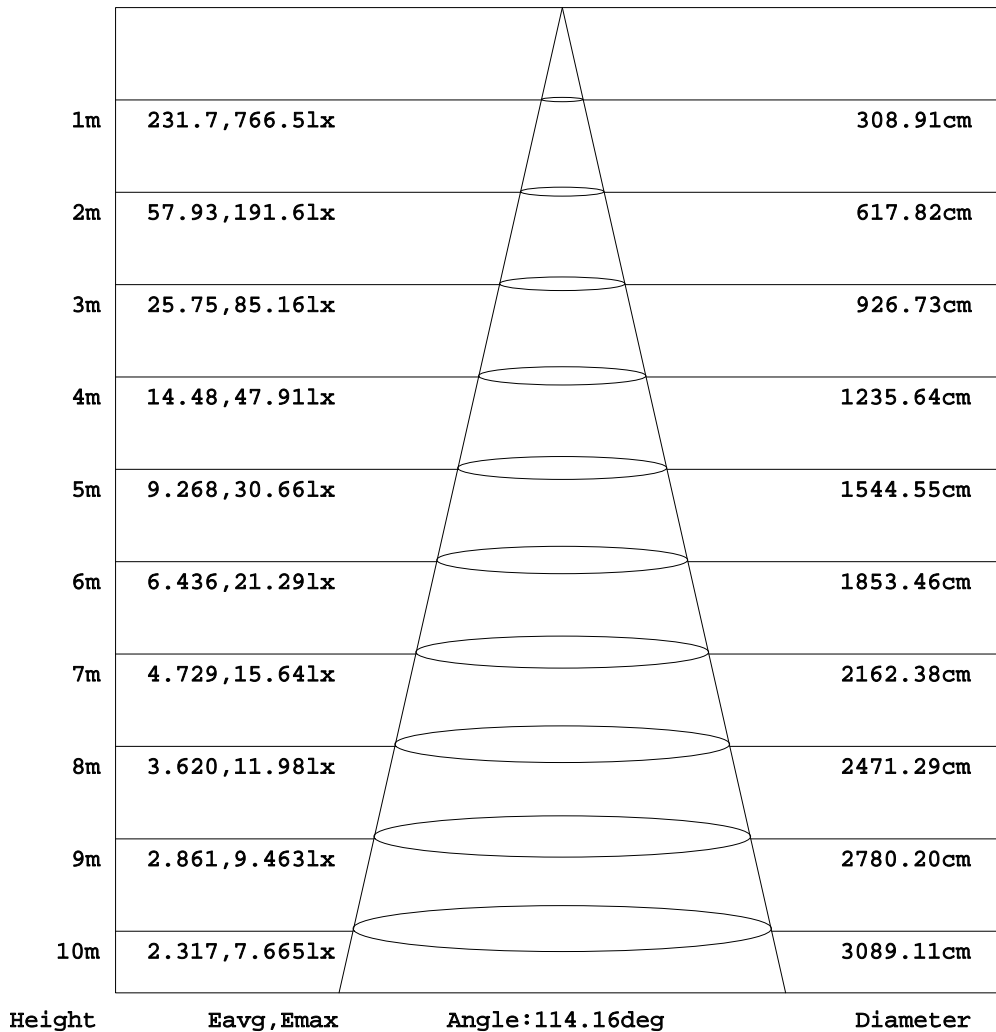
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

AAI Figure

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME: ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:1864 lm



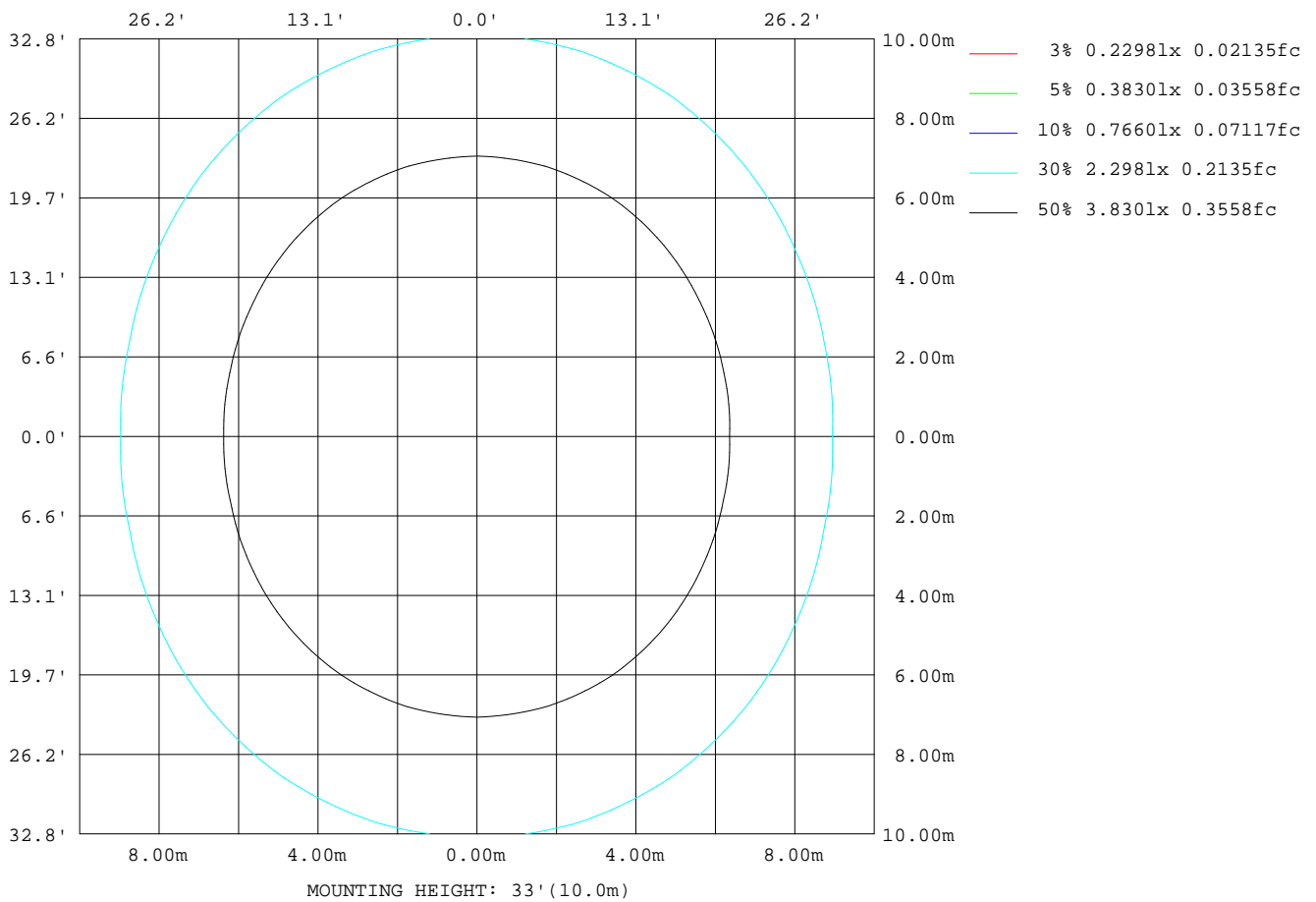
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME: ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME: ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

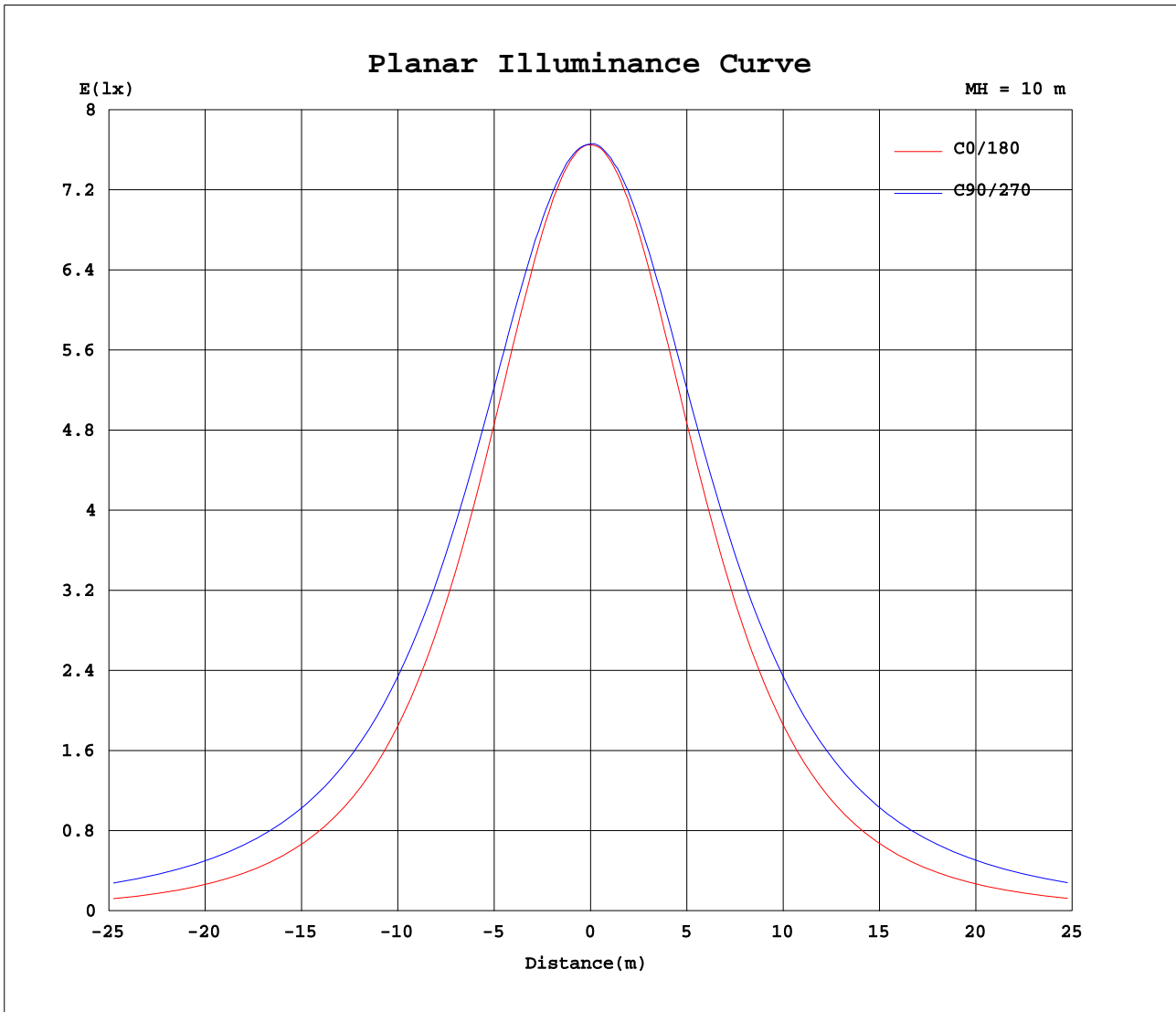
AvgL	cd/m2
L_0~180(65)av	11069
L_0~180(75)av	8913
L_0~180(85)av	4037
L_90~270(65)av	22124
L_90~270(75)av	31931
L_90~270(85)av	81976
L_45(65)av	18286
L_45(75)av	24823
L_45(85)av	59618

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 44.6%
Test Distance: 2.500m [K=1.0391]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 44.6%
Test Distance: 2.500m [K=1.0391]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME:ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	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	765	765	766	766	766	765	766	766	766	766	765	766	765	765	766	766	766	765	766
5	762	763	763	763	764	763	765	765	764	764	763	763	762	763	764	764	765	764	764
10	753	754	755	757	760	759	761	761	759	758	755	754	753	754	756	758	759	760	761
15	738	739	742	746	751	754	754	754	751	748	742	740	739	740	743	747	751	754	754
20	717	719	724	732	739	745	746	745	740	733	725	719	718	719	725	732	739	743	746
25	689	692	701	714	725	732	735	732	725	714	702	693	690	693	702	713	724	731	733
30	655	660	674	691	707	717	721	717	707	692	675	662	658	661	674	690	705	715	719
35	617	624	643	664	686	698	704	699	685	665	643	625	619	625	643	664	684	698	702
40	572	582	607	636	662	678	683	678	661	636	608	583	574	584	607	635	660	677	683
45	522	535	567	603	634	655	661	654	634	604	568	536	525	537	568	603	634	654	662
50	466	484	524	568	605	629	637	628	605	569	525	485	470	486	526	570	605	630	637
55	406	430	479	533	574	601	609	599	574	532	480	432	410	432	481	533	575	603	612
60	341	371	433	494	541	571	580	570	541	494	434	374	347	375	435	496	543	574	584
65	272	311	386	455	508	538	549	538	506	455	387	314	280	316	388	458	511	544	555
70	202	252	339	416	472	506	516	504	471	415	340	255	209	257	344	420	478	513	524
75	133	195	294	377	436	471	482	470	435	376	294	198	139	200	299	383	444	481	493
80	67.4	144	251	338	401	437	448	435	399	338	251	146	74.4	150	259	347	411	448	461
85	17.7	101	212	302	365	403	414	401	364	301	212	103	23.9	109	222	313	377	417	429
90	0.30	70.5	179	268	331	368	380	367	330	267	178	71.7	0.37	79.5	189	281	346	384	398
95	0.46	51.2	150	236	298	335	347	334	297	235	150	51.7	0.62	61.0	163	251	315	353	366
100	1.20	38.1	126	208	267	303	314	302	266	206	126	38.3	1.34	48.1	140	224	286	323	335
105	2.55	29.8	105	180	237	271	282	270	235	179	104	29.5	2.52	38.6	120	197	257	293	304
110	4.23	26.4	86.1	154	207	239	250	238	206	153	85.6	26.0	4.13	34.2	102	173	228	262	273
115	6.11	24.5	70.0	130	179	209	219	208	178	130	69.4	23.9	5.97	32.0	86.0	150	200	232	242
120	8.09	23.0	60.5	108	152	179	188	179	151	108	59.7	22.5	7.75	30.4	72.9	128	173	202	212
125	9.90	21.7	52.9	89.7	126	151	159	151	126	88.8	52.1	21.2	9.52	29.5	65.0	108	148	174	182
130	11.5	20.4	46.6	76.6	103	124	132	124	103	75.8	46.0	20.0	11.2	28.7	58.3	91.3	124	147	154
135	13.0	19.1	41.0	65.6	87.6	103	108	103	87.0	65.0	40.5	18.8	12.8	28.0	50.9	79.9	104	122	128
140	14.1	17.8	35.8	55.9	73.9	86.1	90.3	85.9	73.4	55.5	35.5	17.5	14.2	27.2	46.0	69.6	89.4	103	107
145	15.3	17.5	31.1	47.2	61.6	71.4	74.9	71.3	61.3	47.0	30.8	16.5	15.0	26.4	40.6	60.1	76.1	87.0	90.9
150	16.4	17.9	26.8	39.4	50.5	58.2	60.9	58.2	50.4	39.3	26.7	17.0	16.0	24.8	36.5	50.1	63.8	72.6	76.0
155	16.0	18.7	22.9	32.4	40.7	46.5	48.5	46.5	40.7	32.4	22.3	16.9	15.7	21.3	31.8	41.6	50.1	59.5	62.5
160	15.3	18.7	20.7	26.1	32.0	36.0	37.5	36.1	32.1	25.9	17.3	15.7	14.7	17.7	24.7	33.7	41.3	45.8	50.4
165	14.2	15.1	20.2	21.6	24.3	26.9	27.9	27.1	23.9	18.1	14.6	13.6	13.5	14.5	18.1	24.4	30.8	37.2	39.1
170	14.0	13.8	18.0	19.8	20.4	21.2	21.4	21.1	16.3	14.2	14.9	13.5	13.1	13.3	15.2	18.3	20.2	25.9	31.0
175	17.2	16.9	16.8	17.6	18.3	19.5	20.3	13.0	13.9	15.8	16.2	16.2	16.6	16.6	16.4	16.9	17.1	14.6	18.5
180	20.8	21.0	20.7	19.0	18.2	13.0	6.82	15.3	17.4	19.8	20.2	21.0	20.5	20.5	20.3	19.7	18.6	16.5	14.4

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.3227A P:35.650W PF:0.9206 Freq:60.00Hz Lamp Flux:3793.68x1 lm		
NAME:ASD-LVF23-48D35CC-NK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	766	766	766	765	766														
5	765	765	764	763	764														
10	760	760	757	756	754														
15	753	751	747	743	740														
20	743	739	732	725	720														
25	730	723	712	702	694														
30	715	705	690	675	662														
35	697	684	663	642	625														
40	677	660	634	605	583														
45	654	634	602	565	536														
50	629	605	567	523	484														
55	602	575	531	478	429														
60	574	543	494	431	370														
65	544	510	456	384	309														
70	513	476	418	338	250														
75	481	443	380	294	192														
80	449	410	344	252	141														
85	417	377	310	216	100														
90	385	345	278	184	71.9														
95	353	314	249	158	54.6														
100	323	285	222	135	42.9														
105	292	256	195	115	34.5														
110	261	227	170	97.8	31.6														
115	231	198	147	82.0	30.2														
120	201	171	125	70.4	29.3														
125	173	146	105	63.1	28.6														
130	146	122	89.7	56.6	27.9														
135	121	103	78.5	51.3	27.4														
140	102	88.6	68.7	46.5	26.9														
145	86.9	76.2	60.2	42.3	26.6														
150	73.4	65.3	52.9	39.0	26.3														
155	61.2	55.6	46.7	36.5	26.4														
160	50.2	46.9	41.1	34.1	26.5														
165	40.3	38.8	35.5	30.8	25.3														
170	31.5	30.9	28.5	25.6	21.3														
175	23.9	22.5	20.7	18.3	17.9														
180	0.00	15.6	17.3	18.5	19.7														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 44.6%
 Test Distance: 2.500m [K=1.0391]
 Remarks: