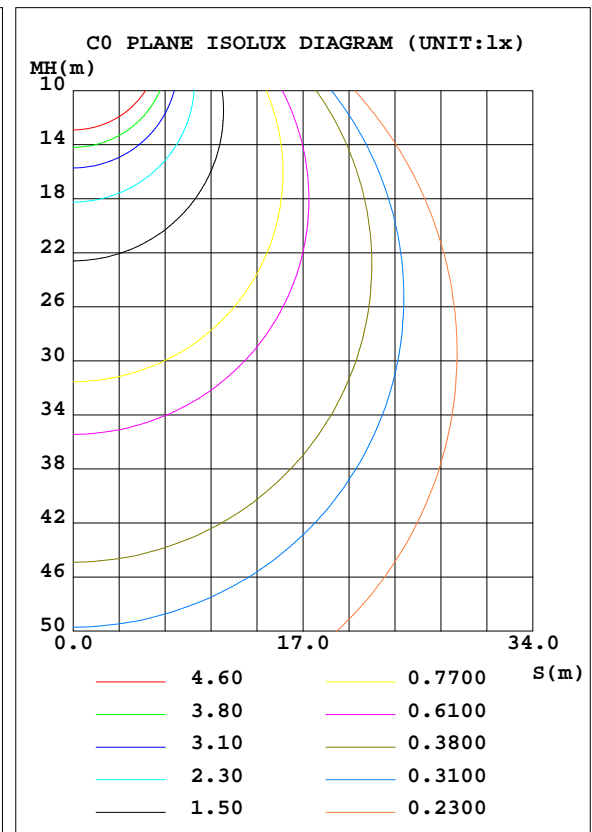
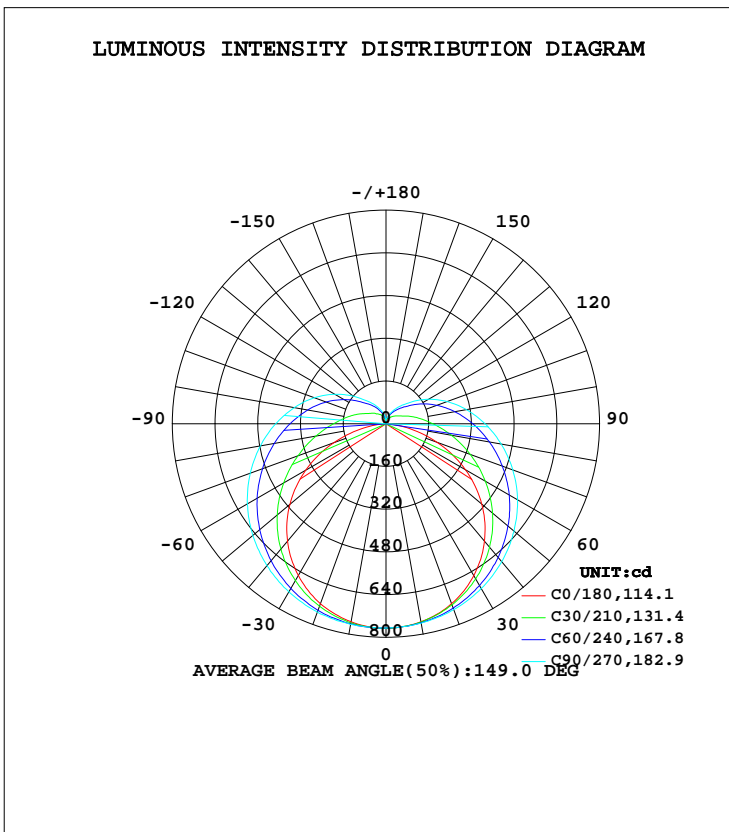


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME:ASD-LVF23-48D35CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.03 lm/W			
MODEL	ASD-LVF23-48D35CC-NK	I _{max} (cd)	766.8	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.43
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3812.7	η UP, DN(C0-180)	8.9,39.5
NOMINAL FLUX(lm)	3812.74	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	10.7,40.9
LAMPS INSIDE	1	η up(%)	19.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	80.4	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	753.1	755.5	758.3	755.0	753.2	759.2	763.3	759.9	0- 10	72.68	72.68	1.91,1.91
20	717.4	728.1	741.0	728.1	717.5	735.9	750.8	735.6	10- 20	211.0	283.7	7.44,7.44
30	657.5	686.1	712.8	685.7	656.5	695.8	727.4	695.7	20- 30	328.9	612.6	16.1,16.1
40	573.6	629.8	674.5	628.0	573.8	642.9	693.7	642.0	30- 40	415.4	1028	27,27
50	468.2	563.0	626.0	560.7	470.0	578.3	650.9	577.2	40- 50	462.5	1490	39.1,39.1
60	343.2	488.4	569.3	485.5	346.8	506.8	599.4	504.9	50- 60	467.7	1958	51.4,51.4
70	203.9	410.8	505.3	407.3	208.6	431.1	541.0	429.1	60- 70	434.3	2393	62.8,62.8
80	69.37	333.3	437.8	329.7	74.04	358.4	477.6	355.1	70- 80	372.0	2765	72.5,72.5
90	0.9399	263.7	371.2	259.8	0.3748	292.0	412.9	288.7	80- 90	299.1	3064	80.4,80.4
100	1.242	203.5	306.3	200.5	1.462	234.1	348.8	231.3	90-100	235.8	3300	86.5,86.5
110	4.424	151.6	243.6	149.0	4.435	181.3	285.8	177.8	100-110	180.3	3480	91.3,91.3
120	8.434	106.9	184.2	105.1	8.253	134.4	221.5	130.6	110-120	129.9	3610	94.7,94.7
130	12.00	75.45	129.3	74.09	11.82	96.48	161.3	94.33	120-130	87.28	3697	97,97
140	14.69	54.99	88.81	54.32	14.90	73.63	112.6	72.50	130-140	55.14	3752	98.4,98.4
150	17.05	38.71	59.78	38.42	16.84	53.26	80.16	55.90	140-150	33.35	3785	99.3,99.3
160	15.80	25.55	36.75	25.37	15.42	35.75	53.36	43.49	150-160	17.94	3803	99.8,99.8
170	14.48	19.82	21.09	14.16	13.81	19.42	32.89	30.12	160-170	7.499	3811	100,100
180	21.95	19.86	7.612	20.70	21.41	20.53	15.04	18.02	170-180	1.825	3813	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1255.9 lm

%lum = 32.9%

%lamp = 32.9%

Conical surface Flux(120deg): 1958.2 lm

%lum = 51.4%

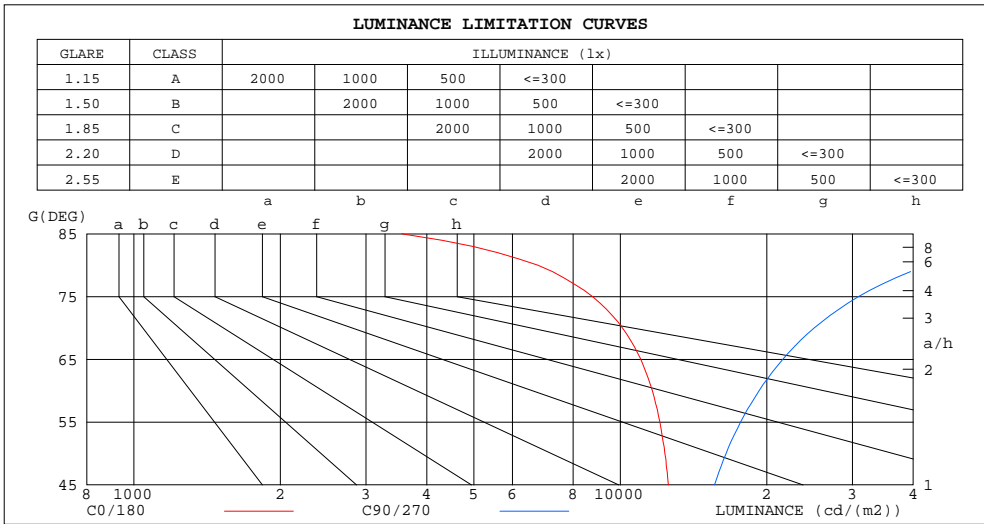
%lamp = 51.4%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3556	78670
80	6771	42727
75	8763	30891
70	10103	25042
65	11019	21572
60	11634	19297
55	12059	17667
50	12345	16505
45	12555	15611

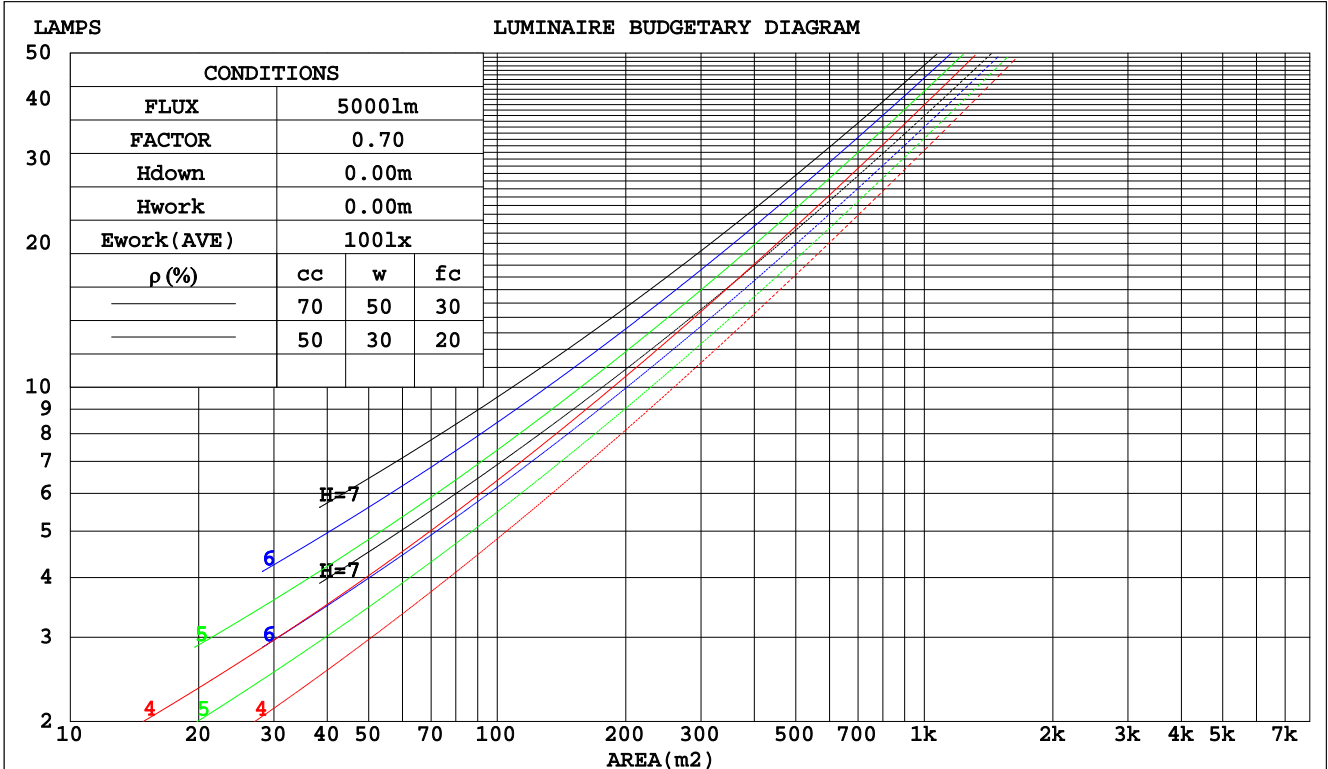
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	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	.80
1.0	.95	.89	.85	.91	.86	.81	.83	.79	.75	.75	.72	.69	.69	.66	.64	.60
2.0	.81	.73	.66	.77	.70	.64	.70	.65	.60	.64	.59	.55	.58	.55	.51	.48
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.49	.56	.50	.45	.51	.46	.42	.39
4.0	.61	.52	.45	.59	.50	.43	.54	.46	.41	.49	.43	.38	.45	.40	.35	.32
5.0	.54	.45	.38	.52	.43	.37	.48	.40	.34	.44	.37	.32	.40	.34	.30	.27
6.0	.49	.39	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.36	.30	.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	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.21	.30	.24	.19	.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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME:ASD-LVF23-48D35CC-NK 5000K	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	.223	.071	.378	.216	.069	.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	.231	.128	.040	
4.0	.268	.140	.041	.259	.135	.040	.240	.127	.038	.223	.120	.036	.207	.113	.034	
5.0	.244	.124	.036	.235	.121	.035	.218	.114	.033	.202	.107	.032	.188	.100	.030	
6.0	.223	.112	.032	.215	.109	.031	.200	.102	.030	.185	.096	.028	.172	.091	.027	
7.0	.206	.102	.029	.198	.099	.028	.184	.093	.027	.171	.088	.026	.159	.082	.024	
8.0	.191	.093	.026	.184	.090	.026	.171	.085	.024	.159	.080	.023	.147	.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	.340	.340	.340	.291	.291	.291	.198	.198	.198	.114	.114	.114	.036	.036	.036	
1.0	.337	.306	.279	.288	.263	.240	.197	.181	.166	.113	.105	.097	.036	.034	.031	
2.0	.330	.284	.244	.283	.244	.211	.194	.169	.147	.112	.098	.086	.036	.032	.028	
3.0	.323	.267	.223	.277	.231	.193	.190	.160	.136	.110	.094	.080	.035	.030	.026	
4.0	.315	.255	.209	.270	.220	.181	.186	.153	.128	.108	.090	.076	.035	.029	.025	
5.0	.307	.245	.199	.264	.212	.173	.182	.148	.122	.105	.087	.073	.034	.028	.024	
6.0	.300	.237	.192	.258	.205	.167	.178	.144	.118	.103	.085	.070	.033	.028	.023	
7.0	.293	.231	.187	.252	.200	.163	.174	.140	.116	.101	.083	.069	.033	.027	.023	
8.0	.286	.225	.183	.246	.195	.160	.170	.137	.113	.099	.081	.068	.032	.027	.022	
9.0	.280	.220	.180	.241	.191	.157	.167	.134	.112	.097	.079	.067	.032	.026	.022	
10.0	.274	.216	.178	.236	.188	.155	.164	.132	.110	.096	.078	.066	.031	.026	.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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm										
NAME:ASD-LVF23-48D35CC-NK 5000K					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	21.3	20.5	21.9	22.5	22.0	23.4	22.6	23.9	24.5
3H	21.5	22.7	22.0	23.3	23.9	24.8	26.0	25.3	26.6	27.2
4H	22.0	23.2	22.6	23.8	24.5	26.3	27.5	26.9	28.1	28.7
6H	22.4	23.5	23.0	24.1	24.8	27.9	29.1	28.5	29.7	30.4
8H	22.5	23.6	23.1	24.2	24.9	28.9	30.0	29.5	30.6	31.3
12H	22.5	23.5	23.1	24.1	24.9	29.9	31.0	30.5	31.6	32.3
4H 2H	21.2	22.4	21.8	23.0	23.6	22.6	23.8	23.2	24.4	25.1
3H	23.0	24.0	23.6	24.7	25.4	25.6	26.7	26.2	27.3	28.0
4H	23.8	24.7	24.4	25.4	26.1	27.3	28.3	28.0	28.9	29.7
6H	24.3	25.2	25.0	25.9	26.7	29.2	30.1	29.9	30.7	31.5
8H	24.5	25.3	25.2	26.0	26.8	30.3	31.1	30.9	31.7	32.5
12H	24.6	25.4	25.3	26.1	26.9	31.4	32.2	32.1	32.9	33.7
8H 4H	24.9	25.8	25.6	26.4	27.2	27.7	28.5	28.4	29.2	30.0
6H	26.0	26.7	26.7	27.4	28.2	29.9	30.6	30.6	31.3	32.1
8H	26.4	27.0	27.1	27.8	28.6	31.2	31.8	31.9	32.5	33.4
12H	26.7	27.3	27.5	28.0	28.9	32.6	33.2	33.4	33.9	34.8
12H 4H	25.3	26.1	26.0	26.8	27.6	27.7	28.5	28.4	29.2	30.0
6H	26.6	27.2	27.4	28.0	28.8	30.0	30.6	30.8	31.4	32.2
8H	27.3	27.8	28.0	28.6	29.4	31.4	32.0	32.2	32.7	33.6
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, 3813 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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

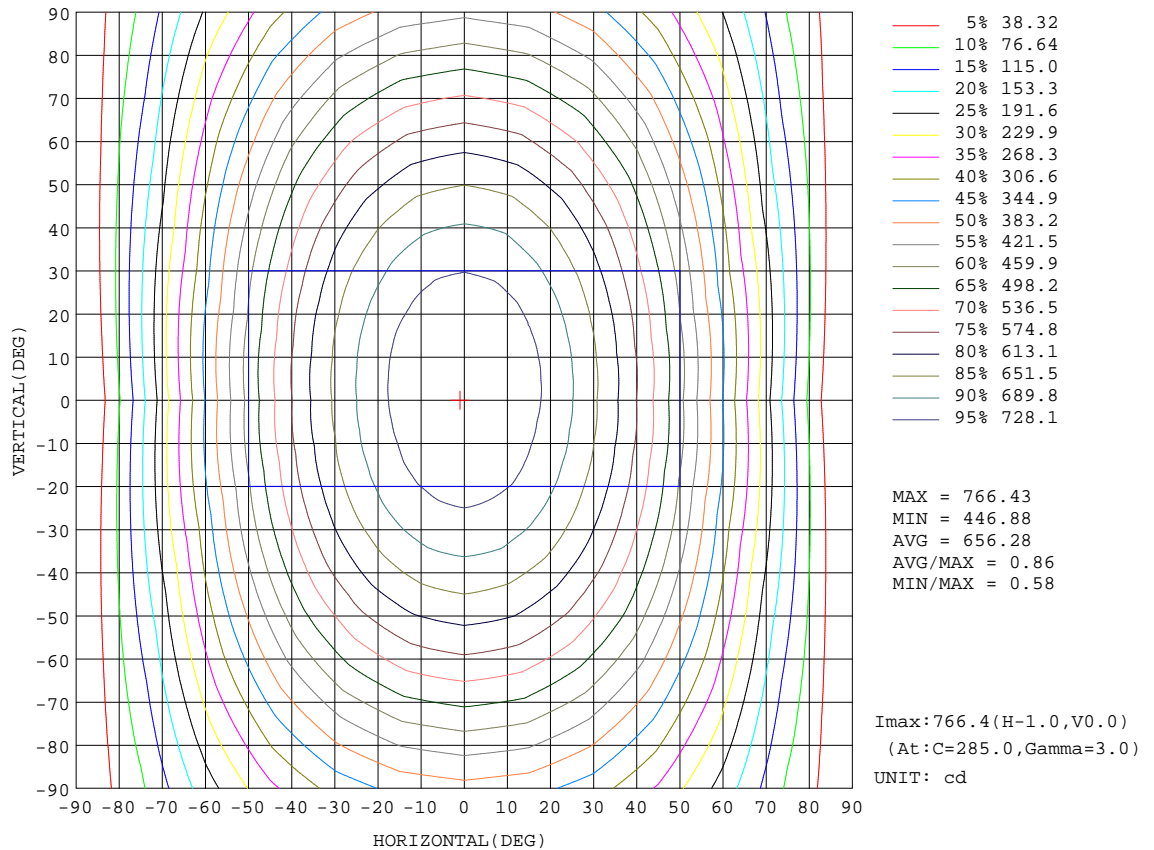
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	46	34	27	44	33	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	63	50	42	62	49	41	58	50	40	31
1.25	70	58	49	68	56	48	64	54	46	36
1.50	76	63	54	73	61	53	68	58	51	40
2.00	83	72	63	80	69	62	74	65	59	47
2.50	87	77	69	84	75	67	77	70	63	50
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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



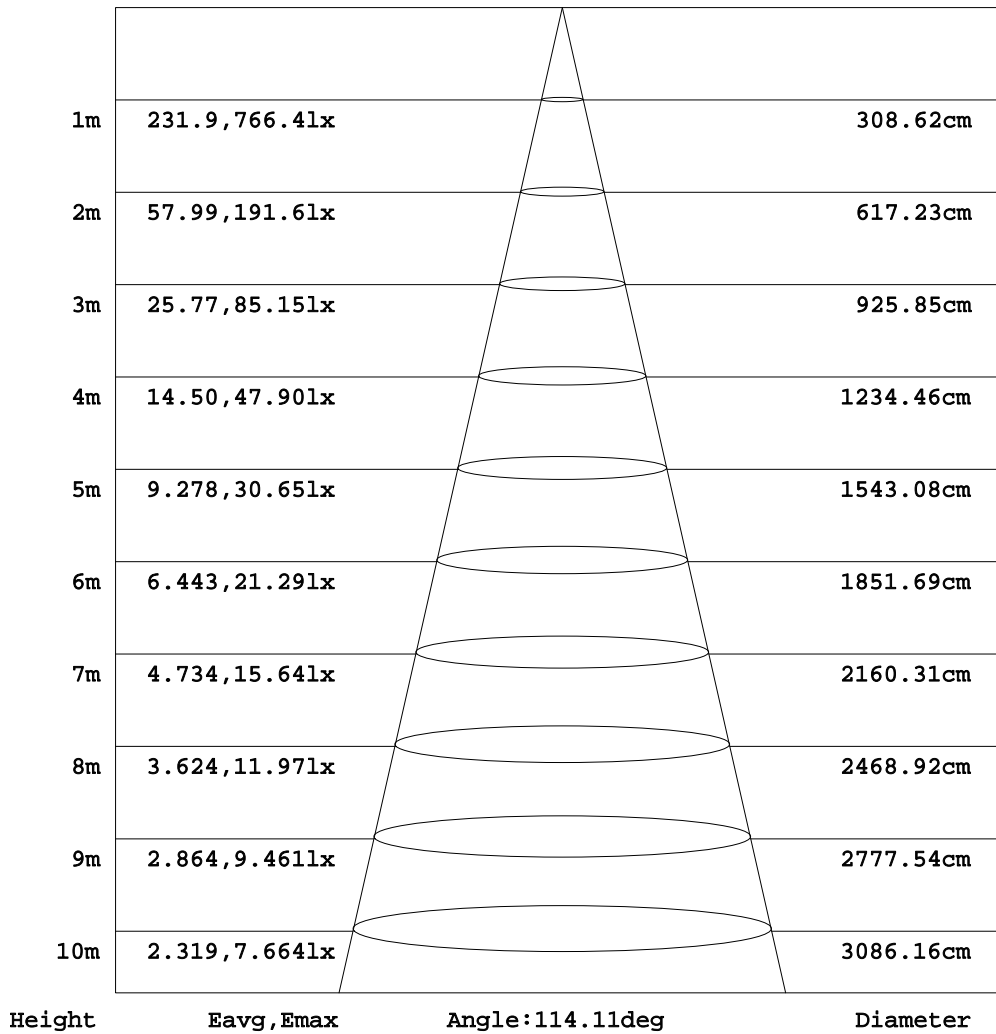
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 May 2023

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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:1866 lm



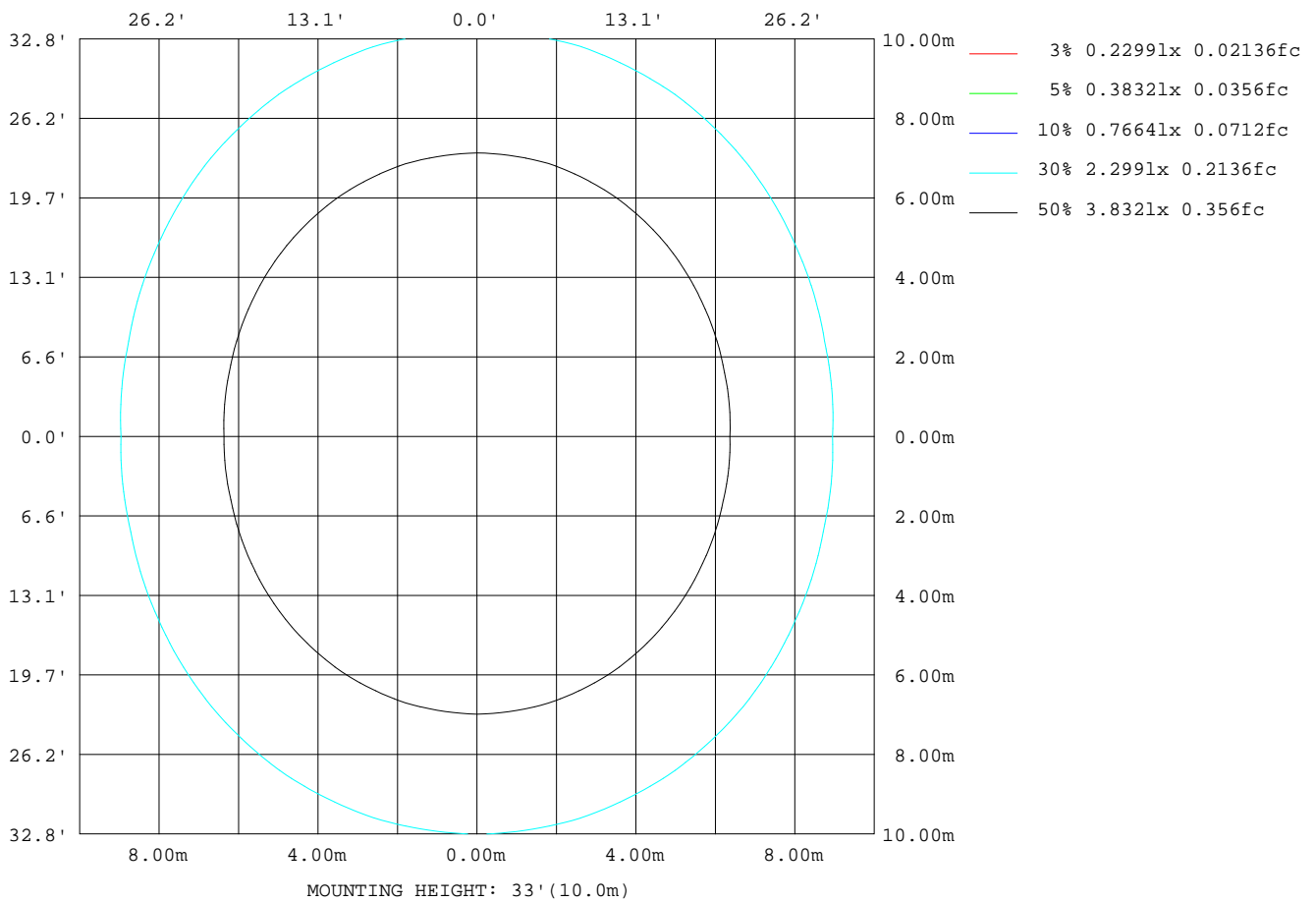
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

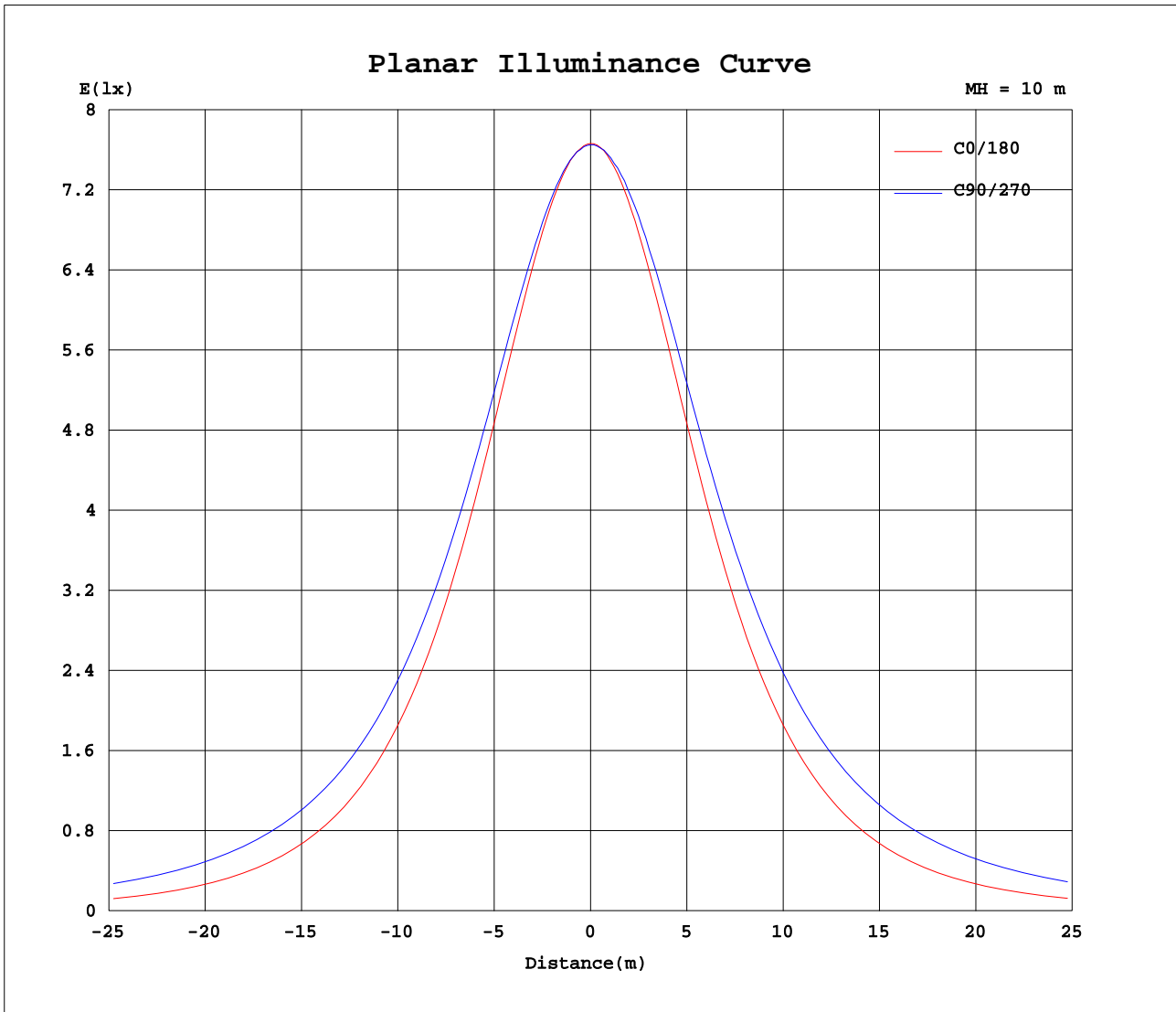
AvgL	cd/m2
L_0~180(65)av	11101
L_0~180(75)av	8931
L_0~180(85)av	4067
L_90~270(65)av	22241
L_90~270(75)av	32119
L_90~270(85)av	82610
L_45(65)av	18359
L_45(75)av	24983
L_45(85)av	60094

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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	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	766	766	766	766	765	765	765	766	764	765	766	765	766	766	766	766	765	765	765
5	763	763	762	762	763	763	763	764	764	762	762	762	763	763	764	765	765	765	764
10	753	754	754	755	757	758	758	757	757	755	753	753	753	755	757	759	762	762	763
15	738	739	740	744	748	748	751	749	747	743	740	739	738	741	745	750	753	756	758
20	717	717	722	728	735	739	741	738	734	728	721	718	718	721	728	736	744	749	751
25	691	691	699	708	719	725	728	725	718	708	698	691	689	695	706	718	729	737	740
30	658	661	671	686	700	710	713	709	700	686	671	659	657	664	679	696	713	724	727
35	619	624	639	660	678	691	695	690	677	658	639	623	618	628	648	671	692	706	711
40	574	582	604	630	654	668	675	668	651	628	602	581	574	587	612	643	669	688	694
45	524	535	564	598	626	645	651	644	625	596	562	534	525	541	574	612	644	667	673
50	468	484	521	563	596	619	626	618	595	561	519	483	470	490	532	578	617	643	651
55	408	428	476	526	566	590	598	588	563	524	475	429	410	436	488	544	588	617	626
60	343	371	429	488	533	561	569	558	530	485	428	371	347	379	442	507	557	589	599
65	275	311	382	449	498	529	538	527	495	446	380	312	279	319	396	470	525	559	571
70	204	251	336	411	464	497	505	493	461	407	334	252	209	261	351	431	492	528	541
75	134	194	291	372	428	462	472	460	424	368	289	196	139	205	307	394	458	497	509
80	69.4	143	248	333	393	428	438	425	390	330	246	144	74.0	154	266	358	425	464	478
85	18.3	101	210	298	359	394	405	392	355	294	207	101	23.5	112	230	324	392	432	445
90	0.94	69.8	176	264	325	360	371	358	321	260	174	69.7	0.37	82.7	197	292	359	399	413
95	0.46	50.7	148	232	293	328	338	325	290	229	146	50.2	0.66	64.1	170	262	328	368	381
100	1.24	37.7	124	204	262	295	306	293	259	200	122	37.1	1.46	50.9	147	234	298	336	349
105	2.67	29.4	103	176	232	265	275	263	229	174	101	28.6	2.73	41.1	126	207	269	305	318
110	4.42	26.1	84.9	152	203	234	244	232	201	149	83.3	25.2	4.44	36.5	107	181	239	274	286
115	6.37	24.2	69.0	128	175	204	213	203	173	126	67.6	23.3	6.38	34.3	90.6	157	210	242	253
120	8.43	22.7	59.6	107	149	175	184	174	147	105	58.2	21.9	8.25	32.6	77.3	134	181	211	222
125	10.3	21.3	52.1	88.4	124	148	156	147	123	86.9	51.0	20.6	10.1	31.6	68.9	113	155	182	190
130	12.0	20.1	45.8	75.4	102	122	129	122	101	74.1	44.9	19.4	11.8	30.7	61.9	96.5	130	154	161
135	13.5	18.8	40.2	64.6	86.2	101	106	100	85.2	63.6	39.5	18.2	13.5	30.0	54.1	84.5	109	128	134
140	14.7	17.6	35.2	55.0	72.6	84.6	88.8	84.2	71.9	54.3	34.7	17.1	14.9	29.1	48.8	73.6	94.1	108	113
145	15.9	17.3	30.6	46.4	60.4	70.2	73.5	69.9	60.1	46.0	30.0	16.1	15.8	28.3	43.2	63.6	80.3	91.8	95.8
150	17.0	17.8	26.3	38.7	49.7	57.1	59.8	57.0	49.4	38.4	26.1	16.7	16.8	26.5	38.9	53.3	67.4	76.7	80.2
155	16.6	18.7	22.4	31.8	40.0	45.5	47.5	45.5	39.9	31.7	21.7	16.8	16.4	22.8	33.9	44.2	53.5	62.8	66.1
160	15.8	18.8	20.4	25.6	31.4	35.4	36.8	35.4	31.4	25.4	17.0	15.7	15.4	19.0	26.6	35.8	43.8	48.7	53.4
165	14.7	15.5	20.1	21.3	23.8	26.4	27.3	26.5	23.5	17.7	14.5	13.8	14.2	15.3	19.4	26.2	32.8	39.4	41.6
170	14.5	14.1	18.3	19.8	20.2	21.0	21.1	20.8	16.1	14.2	15.0	13.9	13.8	14.0	16.1	19.4	21.5	27.6	32.9
175	17.9	17.5	17.3	18.0	18.7	19.7	20.9	13.2	14.1	16.1	16.6	16.7	17.4	17.4	17.2	17.9	18.1	15.5	19.7
180	22.0	21.8	21.3	19.9	19.2	13.1	7.61	15.5	17.9	20.7	20.9	21.9	21.4	21.4	21.2	20.5	19.4	17.1	15.0

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:0.3270A P:36.300W PF:0.9252 Freq:60.00Hz Lamp Flux:3812.74x1 lm		
NAME: ASD-LVF23-48D35CC-NK 5000K	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	764	765	766	765														
5	766	764	764	764	762														
10	763	761	760	757	755														
15	758	755	749	745	741														
20	749	743	736	728	721														
25	737	730	717	706	695														
30	723	712	696	678	664														
35	708	692	671	648	628														
40	688	670	642	612	585														
45	667	644	610	572	539														
50	643	617	577	530	488														
55	616	588	541	484	432														
60	589	556	505	438	373														
65	559	524	466	391	313														
70	528	491	429	346	253														
75	496	457	392	301	195														
80	463	424	355	260	144														
85	432	391	321	223	103														
90	400	359	289	190	74.1														
95	367	327	259	164	56.8														
100	336	297	231	141	44.8														
105	305	267	203	121	36.3														
110	273	237	178	102	33.4														
115	241	207	153	86.1	32.0														
120	211	179	131	74.0	31.0														
125	181	153	110	66.5	30.3														
130	153	128	94.3	59.9	29.6														
135	127	108	82.6	54.3	29.1														
140	107	93.2	72.5	49.1	28.6														
145	91.6	80.2	63.6	44.7	28.2														
150	77.4	68.8	55.9	41.3	28.0														
155	64.5	58.7	49.4	38.7	28.1														
160	53.1	49.6	43.5	36.2	28.1														
165	42.8	41.0	37.5	32.5	26.8														
170	33.4	32.7	30.1	27.1	22.5														
175	25.4	23.8	21.7	19.3	18.9														
180	7.16	16.3	18.0	19.3	20.5														

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: