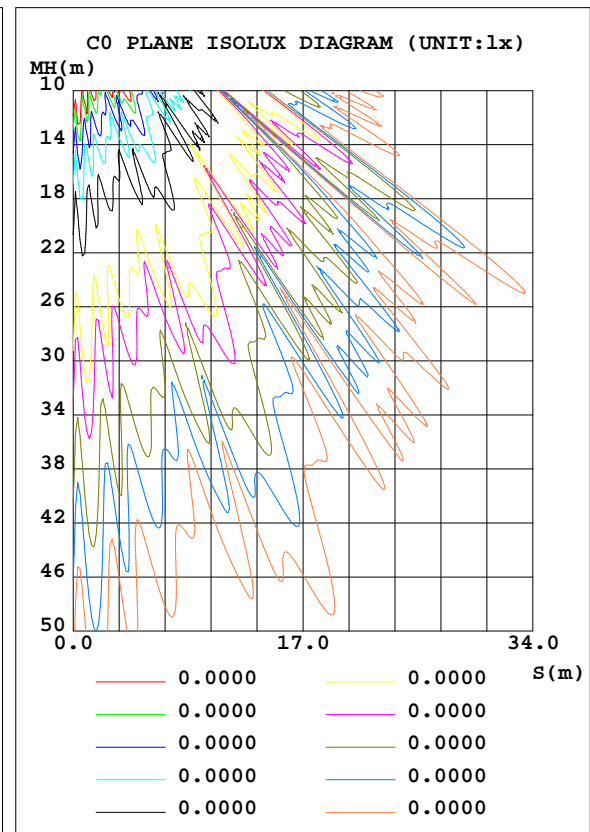
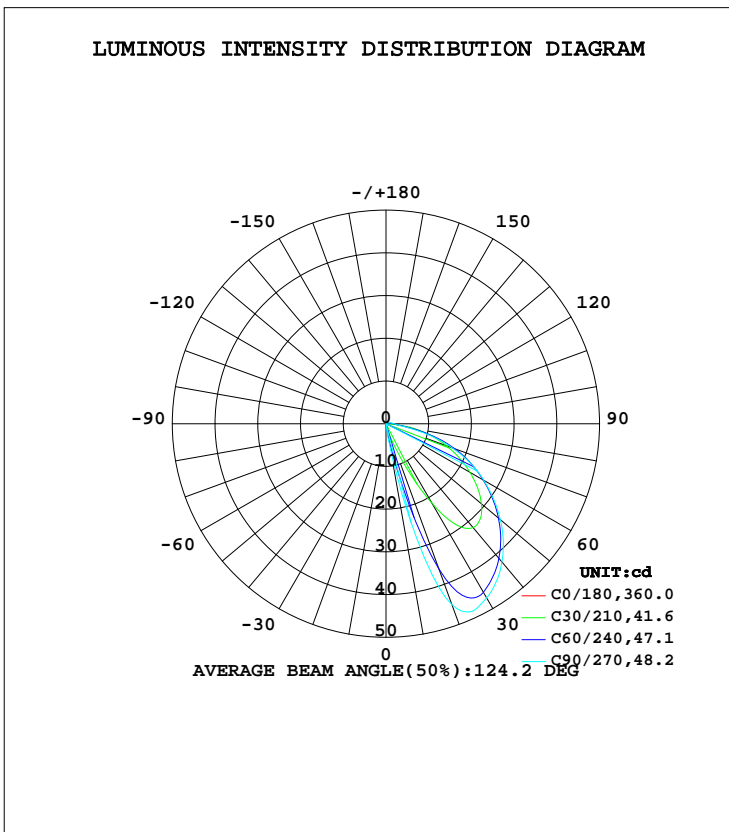


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:ASD-STLA-3SM-RGB-BK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 19.78 lm/W			
MODEL	ASD-STLA-3SM-RGB-BK	I <sub>max</sub> (cd)	48.33	S/MH(C0/180)	0.75
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.10
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	56.557	η UP, DN(C0-180)	1.6,98.3
NOMINAL FLUX(lm)	56.5572	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,0.0
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	98.3	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	0.0013	0.0170	5.873	0.2572	0.0013	0.0010	0.0007	0.0010	0- 10	0.0188	0.0188	0.03,0.03
20	0.0017	19.98	45.02	25.09	0.0020	0.0010	0.0003	0.0010	10- 20	1.741	1.760	3.11,3.11
30	0.0016	41.04	47.09	43.04	0.0010	0.0007	0.0004	0.0007	20- 30	6.439	8.199	14.5,14.5
40	0.0013	39.31	42.23	39.99	0.0017	0.0010	0.0000	0.0010	30- 40	9.812	18.01	31.8,31.8
50	0.0010	33.12	34.93	33.78	0.0013	0.0010	0.0010	0.0003	40- 50	11.30	29.31	51.8,51.8
60	0.0007	25.50	26.39	26.12	0.0013	0.0013	0.0016	0.0006	50- 60	10.94	40.25	71.2,71.2
70	0.0013	17.10	16.47	17.69	0.0013	0.0020	0.0026	0.0026	60- 70	8.804	49.05	86.7,86.7
80	0.0010	6.845	5.037	7.285	0.0020	0.0053	0.0053	0.0060	70- 80	5.137	54.19	95.8,95.8
90	0.0017	1.389	1.981	1.606	0.0026	0.0112	0.0109	0.0125	80- 90	1.394	55.58	98.3,98.3
100	0.0036	0.6038	1.201	0.7158	0.0036	0.0178	0.0185	0.0182	90-100	0.4900	56.07	99.1,99.1
110	0.0043	0.2532	0.6601	0.3037	0.0056	0.0211	0.0228	0.0218	100-110	0.2438	56.32	99.6,99.6
120	0.0046	0.1179	0.3408	0.1398	0.0066	0.0215	0.0261	0.0251	110-120	0.1183	56.43	99.8,99.8
130	0.0056	0.0599	0.1680	0.0707	0.0060	0.0241	0.0340	0.0281	120-130	0.0592	56.49	99.9,99.9
140	0.0073	0.0327	0.0802	0.0383	0.0086	0.0235	0.0363	0.0284	130-140	0.0316	56.53	99.9,99.9
150	0.0093	0.0182	0.0378	0.0235	0.0109	0.0215	0.0301	0.0258	140-150	0.0171	56.54	100,100
160	0.0135	0.0116	0.0165	0.0175	0.0142	0.0175	0.0191	0.0208	150-160	0.0090	56.55	100,100
170	0.0165	0.0116	0.0089	0.0149	0.0165	0.0165	0.0106	0.0149	160-170	0.0042	56.56	100,100
180	0.0185	0.0139	0.0096	0.0129	0.0178	0.0159	0.0112	0.0132	170-180	0.0013	56.56	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 23.585 lm

%lum = 41.7%  
 %lamp = 41.7%

Conical surface Flux(120deg): 40.247 lm

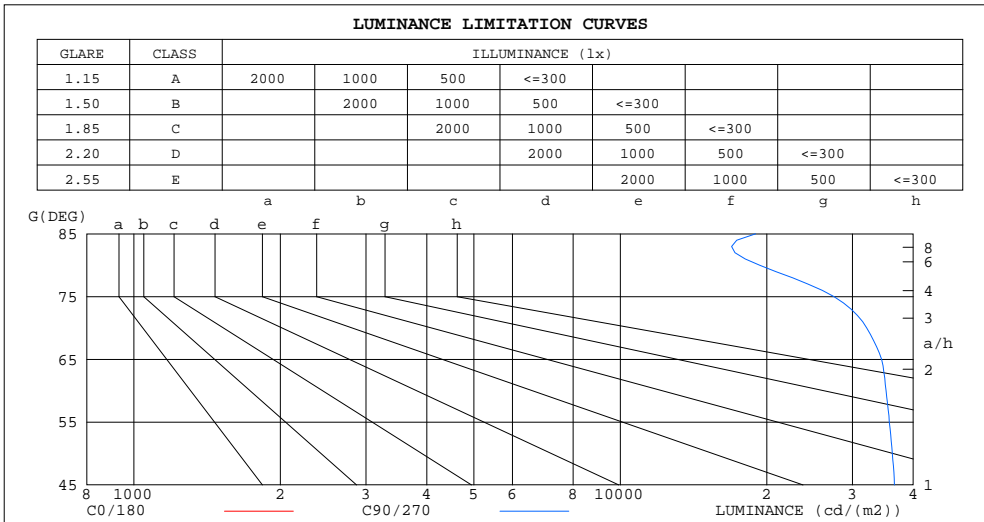
%lum = 71.2%  
 %lamp = 71.2%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	15	18964
80	4	19336
75	3	27481
70	3	32104
65	2	34433
60	1	35185
55	1	35730
50	1	36232
45	1	36605

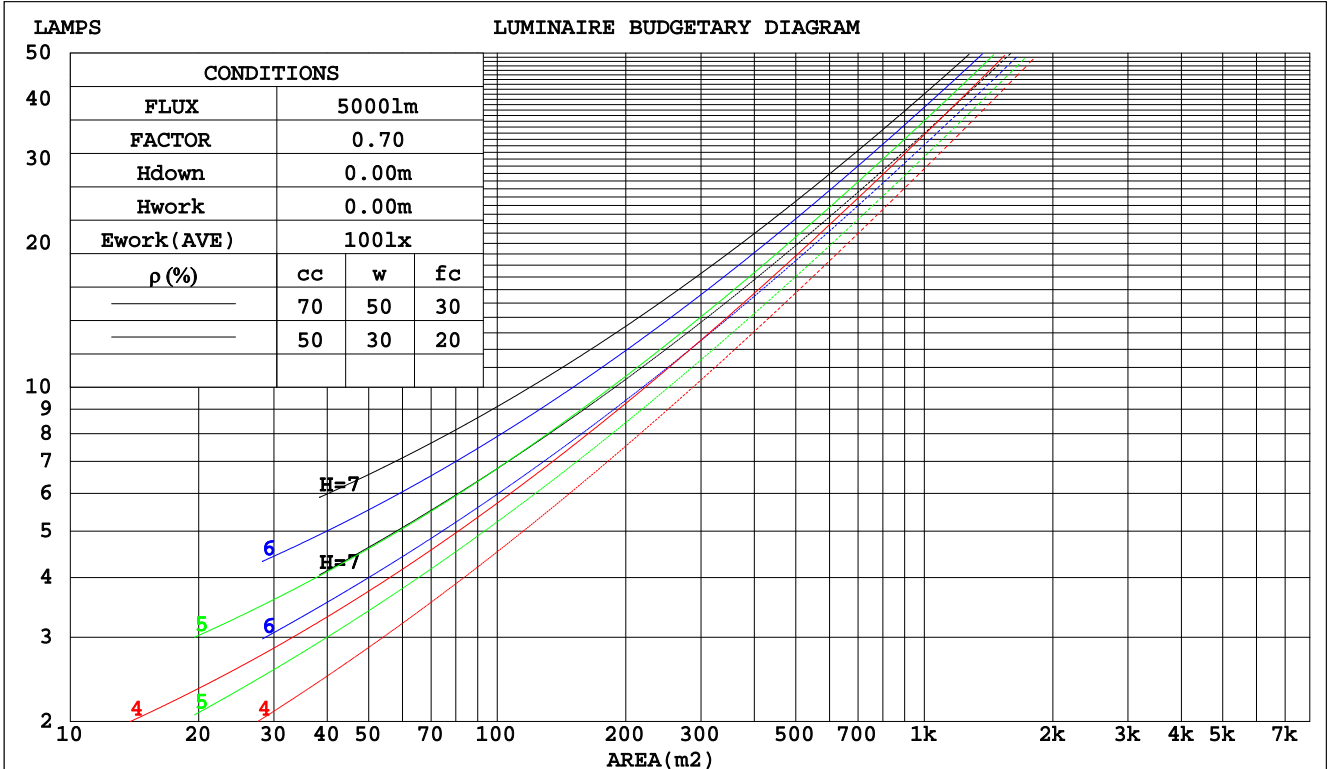
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	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																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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.01	.97	.92	.99	.95	.91	.94	.91	.87	.90	.87	.84	.86	.84	.81	.79
2.0	.86	.79	.72	.84	.77	.71	.80	.74	.69	.77	.72	.67	.73	.69	.66	.63
3.0	.74	.65	.58	.72	.64	.57	.69	.62	.56	.66	.60	.55	.63	.58	.53	.51
4.0	.64	.54	.47	.63	.54	.47	.60	.52	.46	.57	.50	.45	.55	.49	.44	.42
5.0	.56	.46	.39	.55	.46	.39	.53	.44	.38	.50	.43	.37	.48	.42	.37	.34
6.0	.50	.40	.33	.49	.39	.32	.46	.38	.32	.44	.37	.31	.43	.36	.31	.29
7.0	.44	.34	.28	.43	.34	.28	.41	.33	.27	.40	.32	.27	.38	.32	.26	.24
8.0	.40	.30	.24	.39	.30	.24	.37	.29	.23	.36	.28	.23	.34	.28	.23	.21
9.0	.36	.27	.21	.35	.26	.21	.34	.26	.20	.32	.25	.20	.31	.25	.20	.18
10.0	.32	.24	.18	.32	.23	.18	.31	.23	.18	.29	.22	.18	.28	.22	.17	.15



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	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	.349	.198	.063	.341	.194	.062	.326	.187	.060	.313	.181	.058	.301	.174	.056	
2.0	.327	.179	.055	.320	.176	.054	.307	.171	.053	.295	.165	.052	.284	.161	.051	
3.0	.301	.160	.048	.295	.158	.047	.283	.153	.047	.272	.149	.046	.262	.145	.045	
4.0	.276	.143	.042	.271	.142	.042	.260	.138	.041	.251	.135	.041	.242	.131	.040	
5.0	.254	.129	.037	.249	.128	.037	.240	.125	.037	.231	.122	.036	.223	.119	.036	
6.0	.234	.117	.034	.230	.116	.033	.222	.114	.033	.214	.111	.033	.207	.109	.032	
7.0	.217	.107	.030	.213	.106	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	
8.0	.202	.099	.028	.199	.098	.028	.192	.096	.027	.185	.094	.027	.180	.092	.027	
9.0	.189	.091	.025	.185	.090	.025	.179	.089	.025	.174	.087	.025	.168	.085	.025	
10.0	.177	.085	.024	.174	.084	.023	.168	.083	.023	.163	.081	.023	.158	.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	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.196	.169	.145	.168	.145	.124	.115	.100	.086	.066	.058	.050	.021	.019	.016	
2.0	.190	.145	.107	.163	.125	.093	.112	.086	.065	.064	.050	.038	.021	.016	.012	
3.0	.184	.128	.083	.158	.110	.072	.108	.077	.051	.062	.045	.030	.020	.015	.010	
4.0	.177	.115	.068	.152	.099	.059	.104	.069	.041	.060	.041	.025	.019	.013	.008	
5.0	.170	.105	.057	.146	.091	.050	.100	.063	.035	.058	.037	.021	.019	.012	.007	
6.0	.163	.097	.050	.140	.084	.043	.097	.059	.031	.056	.035	.018	.018	.011	.006	
7.0	.156	.090	.044	.134	.078	.039	.093	.055	.027	.054	.032	.016	.017	.011	.005	
8.0	.149	.085	.040	.129	.073	.035	.089	.052	.025	.052	.030	.015	.017	.010	.005	
9.0	.143	.080	.037	.123	.069	.032	.085	.049	.023	.050	.029	.014	.016	.009	.005	
10.0	.137	.076	.035	.118	.066	.030	.082	.046	.021	.048	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	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	24.9	26.6	25.2	26.8	27.1	29.0	30.7	29.3	30.9	31.2
3H	25.6	27.1	25.9	27.4	27.7	30.6	32.2	30.9	32.4	32.7
4H	25.7	27.2	26.1	27.5	27.8	31.2	32.6	31.5	32.9	33.2
6H	25.7	27.1	26.1	27.4	27.8	31.4	32.8	31.8	33.1	33.4
8H	25.7	27.0	26.1	27.4	27.7	31.4	32.8	31.8	33.1	33.4
12H	25.7	26.9	26.0	27.3	27.6	31.5	32.8	31.9	33.1	33.4
4H 2H	26.9	28.4	27.3	28.7	29.0	29.6	31.0	29.9	31.3	31.6
3H	28.2	29.5	28.6	29.9	30.2	31.4	32.7	31.8	33.0	33.4
4H	28.7	29.9	29.1	30.2	30.6	32.1	33.2	32.5	33.6	34.0
6H	28.9	29.9	29.3	30.3	30.7	32.4	33.5	32.9	33.9	34.3
8H	28.9	29.9	29.3	30.3	30.7	32.5	33.5	32.9	33.9	34.3
12H	28.9	29.8	29.3	30.2	30.6	32.6	33.4	33.0	33.9	34.3
8H 4H	29.6	30.6	30.0	31.0	31.4	32.3	33.3	32.8	33.7	34.1
6H	30.1	30.9	30.6	31.4	31.9	32.8	33.6	33.3	34.1	34.5
8H	30.3	31.0	30.8	31.5	31.9	32.9	33.7	33.4	34.1	34.6
12H	30.3	30.9	30.8	31.4	31.9	33.1	33.7	33.6	34.2	34.7
12H 4H	29.6	30.5	30.1	31.0	31.4	32.3	33.2	32.8	33.7	34.1
6H	30.3	31.0	30.8	31.4	31.9	32.9	33.6	33.3	34.0	34.5
8H	30.5	31.1	31.0	31.6	32.1	33.0	33.6	33.5	34.1	34.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.7 / - 0.5					+ 0.2 / - 0.3				
2.0H	+ 1.0 / - 1.3					+ 0.2 / - 0.3				

CIE Pub.117, 56.56 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -10.0)  
 Area: 0.0015 m2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

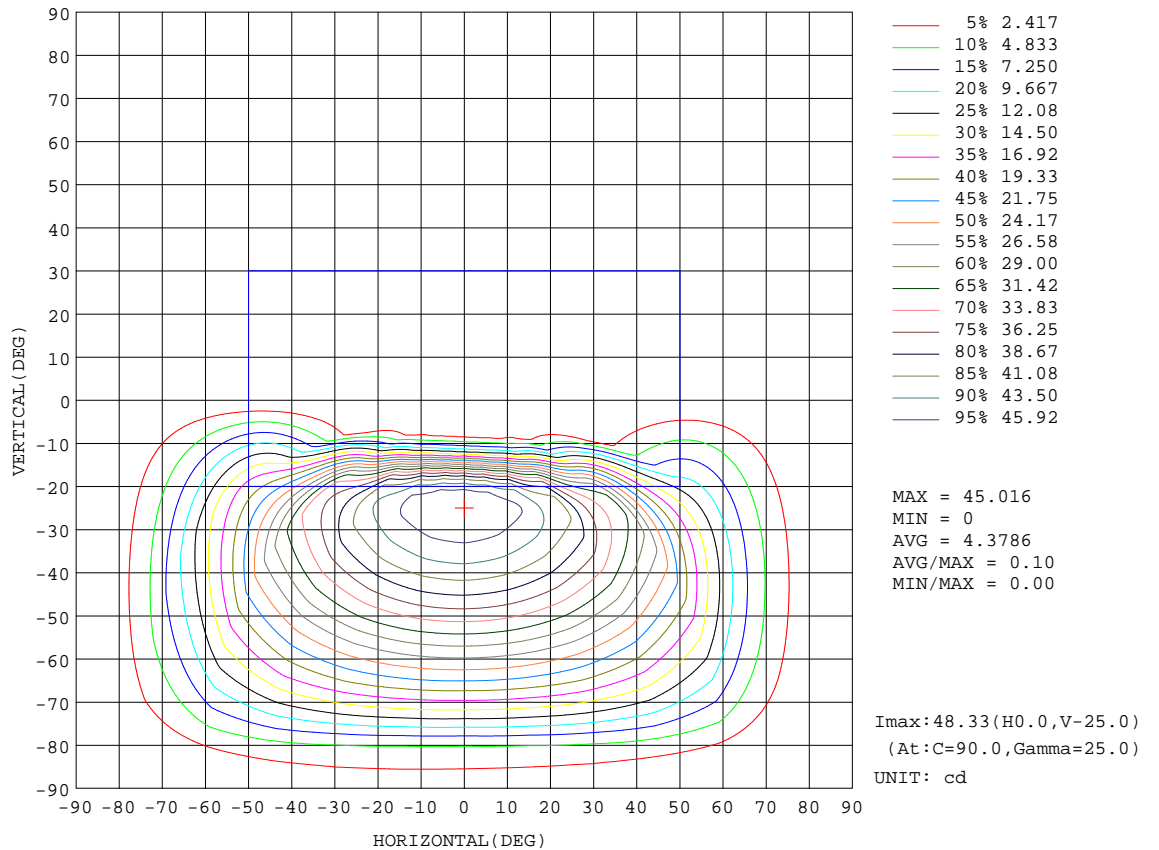
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	29	49	37	29	48	36	29	22
0.80	60	47	39	59	47	39	57	46	38	30
1.00	69	57	48	68	56	48	66	58	48	40
1.25	77	65	57	76	64	57	73	63	56	47
1.50	83	71	63	81	70	63	78	68	62	53
2.00	91	81	73	89	79	73	85	77	71	62
2.50	95	86	79	93	85	78	89	82	76	67
3.00	99	91	85	97	89	84	92	86	81	72
4.00	104	97	92	101	95	90	96	91	87	78
5.00	106	101	96	104	99	94	99	95	91	81
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: 02 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

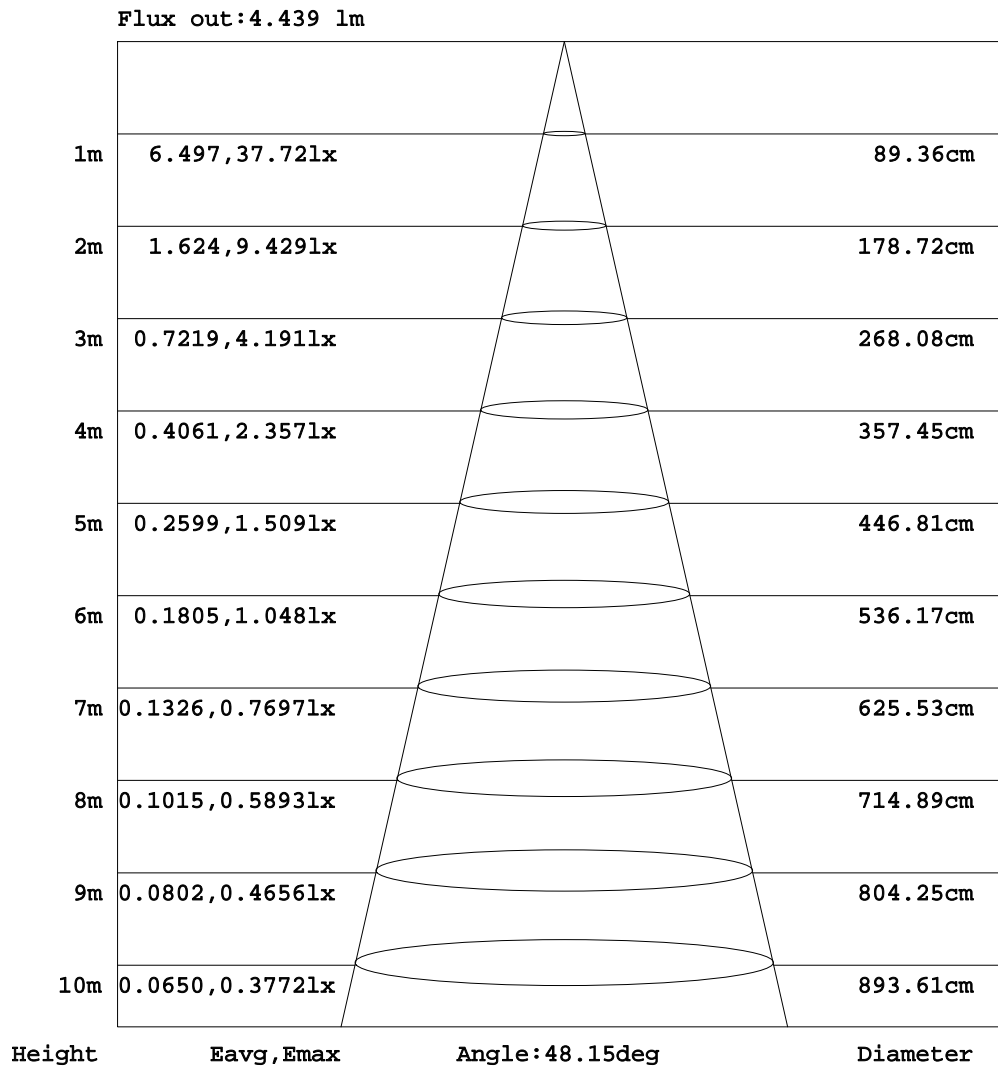


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

AAI Figure

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



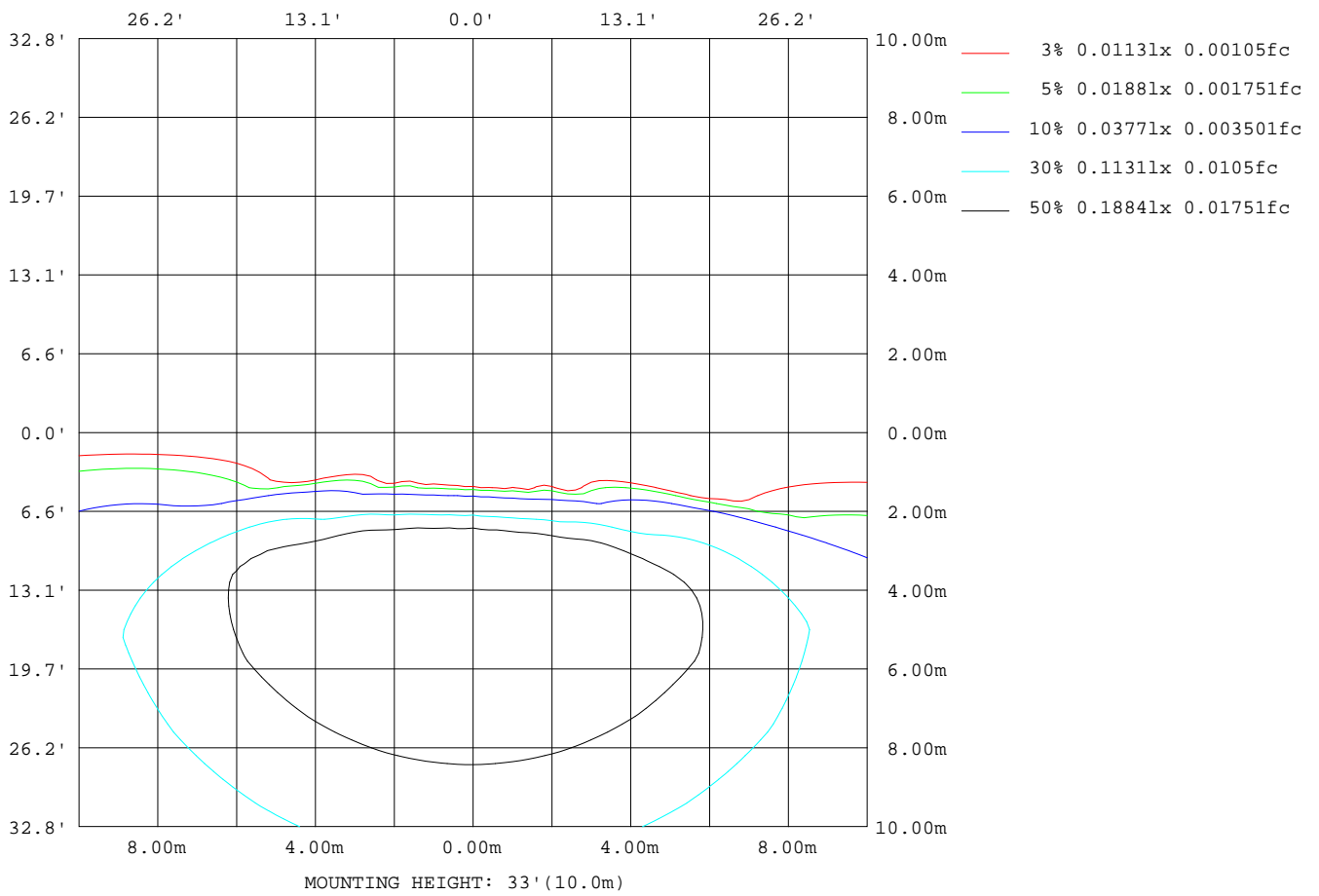
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators:Alan Wang  
 Test Date:02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance:2.500m [K=1.0423]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	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: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

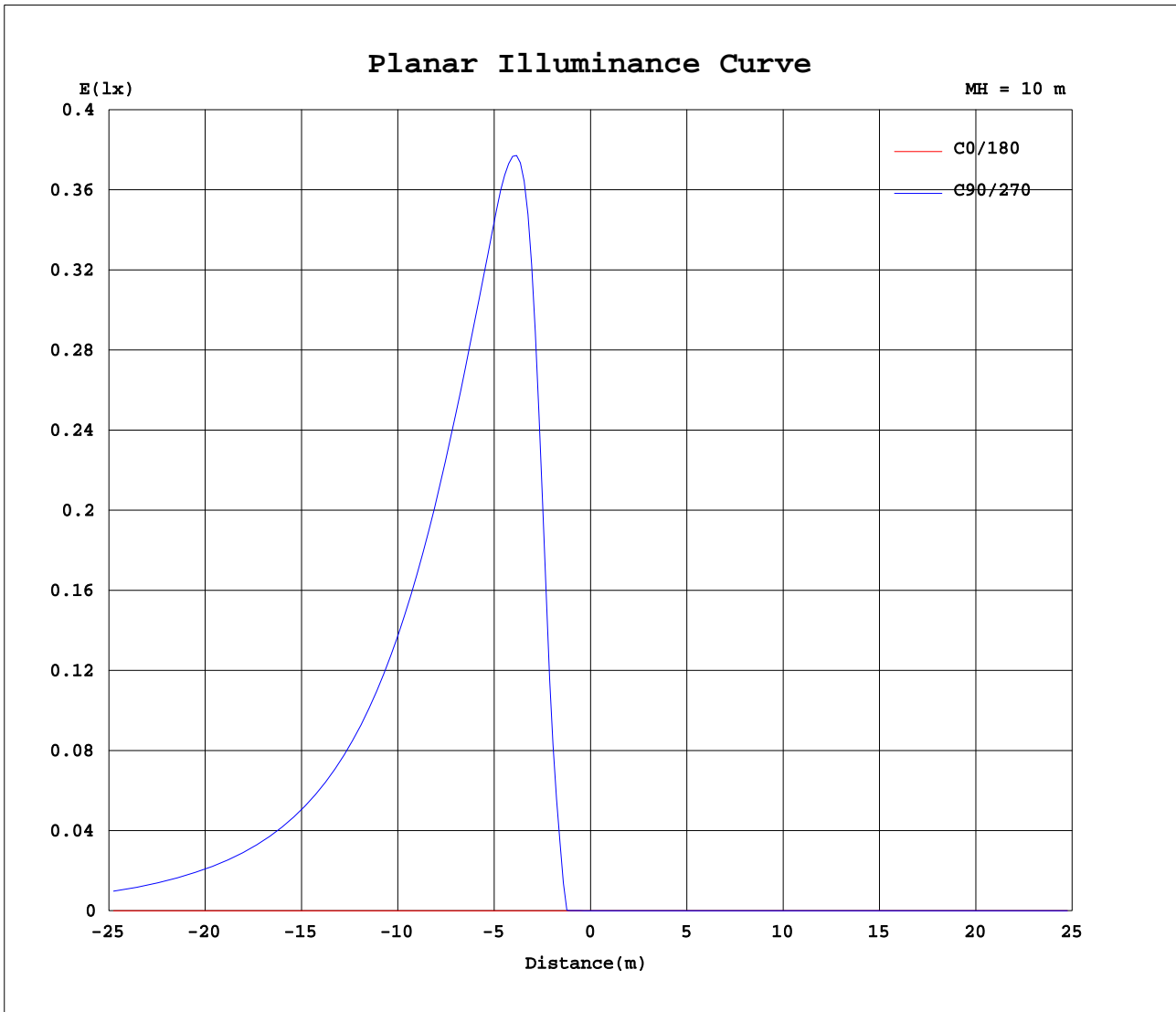
AvgL	cd/m2
L_0~180(65)av	2
L_0~180(75)av	4
L_0~180(85)av	14
L_90~270(65)av	17218
L_90~270(75)av	13745
L_90~270(85)av	9512
L_45(65)av	17087
L_45(75)av	16143
L_45(85)av	9330

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 02 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 42.7%  
Test Distance: 2.500m [K=1.0423]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.01	0.02	2.36	4.80	5.87	5.28	3.24	0.26	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.01	0.03	6.41	15.5	24.1	27.5	25.6	18.5	8.71	1.43	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.01	4.47	20.0	36.0	43.0	45.0	44.0	38.7	25.1	7.46	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.01	11.5	34.9	44.8	47.6	48.3	47.9	45.9	38.9	17.5	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.07	21.4	41.0	45.6	46.6	47.1	46.9	46.0	43.0	28.7	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	2.01	29.0	41.6	43.7	44.7	45.1	44.9	44.1	42.4	34.3	6.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	4.11	31.7	39.3	41.1	41.9	42.2	42.2	41.5	40.0	35.2	10.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	6.61	31.3	36.4	38.0	38.6	38.8	38.8	38.4	37.1	33.7	14.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	9.19	29.2	33.1	34.4	34.8	34.9	35.0	34.8	33.8	31.1	16.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	10.7	26.2	29.4	30.4	30.6	30.7	30.8	30.8	30.1	27.8	16.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	10.5	22.7	25.5	26.2	26.3	26.4	26.5	26.6	26.1	24.1	15.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	9.14	18.9	21.4	21.9	21.9	21.8	22.1	22.2	22.0	20.2	12.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	7.25	15.0	17.1	17.1	16.6	16.5	16.8	17.4	17.7	16.2	10.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	5.26	11.1	12.3	11.7	11.0	10.7	11.1	12.0	12.8	12.1	7.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	3.31	6.88	6.85	5.88	5.22	5.04	5.32	6.10	7.29	7.62	4.83	0.00	0.00	0.01	0.01	0.01	0.01	0.01
85	0.00	1.40	2.08	2.28	2.41	2.45	2.48	2.53	2.58	2.59	2.51	2.12	0.00	0.00	0.01	0.01	0.01	0.01	0.01
90	0.00	0.07	0.74	1.39	1.76	1.92	1.98	1.98	1.90	1.61	0.97	0.20	0.00	0.01	0.01	0.01	0.01	0.01	0.01
95	0.00	0.03	0.43	0.93	1.30	1.49	1.56	1.54	1.41	1.09	0.58	0.09	0.00	0.01	0.01	0.01	0.01	0.01	0.01
100	0.00	0.03	0.24	0.60	0.93	1.12	1.20	1.17	1.01	0.72	0.33	0.06	0.00	0.01	0.01	0.02	0.02	0.02	0.02
105	0.00	0.02	0.14	0.39	0.65	0.83	0.90	0.86	0.71	0.46	0.20	0.04	0.00	0.01	0.02	0.02	0.02	0.02	0.02
110	0.00	0.02	0.09	0.25	0.45	0.60	0.66	0.63	0.50	0.30	0.12	0.03	0.01	0.01	0.02	0.02	0.02	0.02	0.02
115	0.00	0.01	0.06	0.17	0.31	0.43	0.48	0.45	0.34	0.20	0.08	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02
120	0.00	0.01	0.05	0.12	0.21	0.30	0.34	0.32	0.24	0.14	0.06	0.02	0.01	0.01	0.02	0.02	0.02	0.03	0.03
125	0.01	0.01	0.03	0.08	0.15	0.21	0.24	0.22	0.17	0.10	0.05	0.02	0.01	0.01	0.02	0.02	0.03	0.03	0.03
130	0.01	0.01	0.03	0.06	0.11	0.15	0.17	0.16	0.12	0.07	0.04	0.02	0.01	0.01	0.02	0.02	0.03	0.03	0.03
135	0.01	0.01	0.02	0.04	0.08	0.10	0.12	0.11	0.08	0.05	0.03	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04
140	0.01	0.01	0.02	0.03	0.05	0.07	0.08	0.08	0.06	0.04	0.02	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04
145	0.01	0.01	0.01	0.02	0.04	0.05	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03
150	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03
155	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03
160	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
165	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
170	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
175	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
180	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0483A P:2.86W PF:0.4933 Freq:60.00Hz Lamp Flux:56.5572x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:ASD-STLA-3SM-RGB-BK_5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	0.00	0.00	0.00	0.00	0.00														
5	0.00	0.00	0.00	0.00	0.00														
10	0.00	0.00	0.00	0.00	0.00														
15	0.00	0.00	0.00	0.00	0.00														
20	0.00	0.00	0.00	0.00	0.00														
25	0.00	0.00	0.00	0.00	0.00														
30	0.00	0.00	0.00	0.00	0.00														
35	0.00	0.00	0.00	0.00	0.00														
40	0.00	0.00	0.00	0.00	0.00														
45	0.00	0.00	0.00	0.00	0.00														
50	0.00	0.00	0.00	0.00	0.00														
55	0.00	0.00	0.00	0.00	0.00														
60	0.00	0.00	0.00	0.00	0.00														
65	0.00	0.00	0.00	0.00	0.00														
70	0.00	0.00	0.00	0.00	0.00														
75	0.00	0.00	0.00	0.00	0.00														
80	0.01	0.01	0.01	0.00	0.00														
85	0.01	0.01	0.01	0.01	0.00														
90	0.01	0.01	0.01	0.01	0.01														
95	0.02	0.01	0.02	0.01	0.01														
100	0.02	0.02	0.02	0.01	0.01														
105	0.02	0.02	0.02	0.02	0.01														
110	0.02	0.02	0.02	0.02	0.01														
115	0.02	0.02	0.02	0.02	0.01														
120	0.03	0.03	0.03	0.02	0.01														
125	0.03	0.03	0.03	0.02	0.01														
130	0.03	0.03	0.03	0.02	0.01														
135	0.04	0.03	0.03	0.02	0.01														
140	0.04	0.03	0.03	0.02	0.02														
145	0.03	0.03	0.03	0.02	0.02														
150	0.03	0.03	0.03	0.02	0.02														
155	0.03	0.03	0.02	0.02	0.02														
160	0.02	0.02	0.02	0.02	0.02														
165	0.01	0.02	0.02	0.02	0.02														
170	0.01	0.01	0.01	0.02	0.02														
175	0.01	0.01	0.01	0.02	0.02														
180	0.01	0.01	0.01	0.01	0.01														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 02 January 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 42.7%  
 Test Distance: 2.500m [K=1.0423]  
 Remarks: