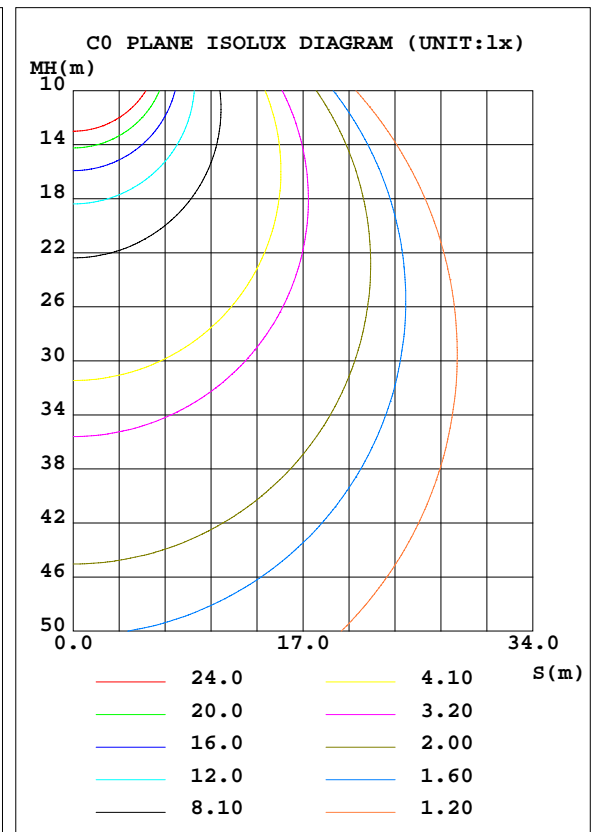
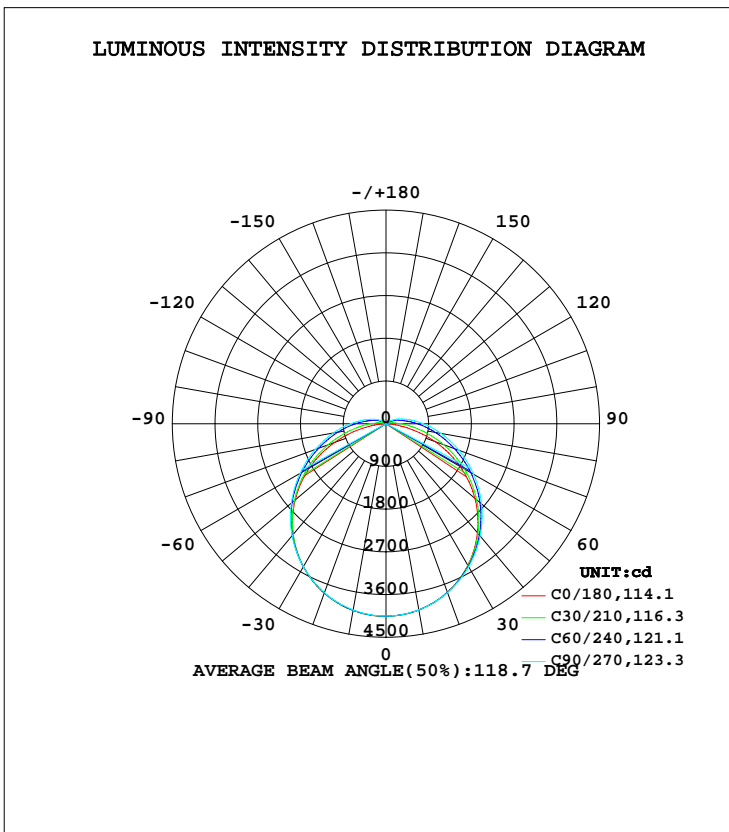


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.75 lm/W			
MODEL	ASD-LVP2SM-8A120AC	I _{max} (cd)	4058	S/MH(C0/180)	1.28
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	13800	η UP, DN(C0-180)	2.8,47.5
NOMINAL FLUX(lm)	13800	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.6,47.1
LAMPS INSIDE	1	η up(%)	5.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	94.6	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3986	3984	3984	3981	3994	3991	3986	3981	0- 10	383.6	383.6	2.8,2.8
20	3779	3781	3787	3785	3801	3797	3790	3779	10- 20	1101	1485	10.8,10.8
30	3447	3460	3481	3472	3479	3480	3481	3459	20- 30	1679	3164	23.1,23.1
40	2997	3038	3086	3060	3041	3055	3076	3035	30- 40	2047	5211	38,38
50	2446	2541	2626	2569	2497	2551	2602	2526	40- 50	2164	7375	53.9,53.9
60	1803	1993	2130	2025	1860	1990	2091	1965	50- 60	2028	9403	68.7,68.7
70	1093	1427	1633	1464	1150	1416	1586	1392	60- 70	1672	11076	80.9,80.9
80	386.6	910.8	1177	947.4	434.2	899.1	1128	878.7	70- 80	1179	12255	89.5,89.5
90	9.559	513.0	791.4	543.0	2.051	507.8	748.5	492.6	80- 90	694.1	12949	94.6,94.6
100	1.069	263.8	496.8	284.5	1.658	263.1	466.1	253.9	90-100	374.1	13323	97.3,97.3
110	1.312	129.4	297.4	144.4	2.039	134.1	279.5	126.6	100-110	199.4	13523	98.7,98.7
120	1.806	63.23	151.3	69.10	2.483	62.27	140.3	60.42	110-120	99.17	13622	99.5,99.5
130	2.263	26.96	82.91	30.47	3.342	26.13	75.99	24.97	120-130	44.86	13667	99.8,99.8
140	2.764	9.247	35.01	10.84	4.055	9.407	31.20	9.094	130-140	18.01	13685	99.9,99.9
150	3.276	3.944	10.41	4.300	4.784	5.098	9.945	5.317	140-150	5.922	13691	100,100
160	3.989	3.998	4.220	4.174	5.431	5.388	5.546	5.520	150-160	2.346	13693	100,100
170	4.572	4.519	4.467	4.644	5.659	5.622	5.612	5.681	160-170	1.402	13694	100,100
180	5.259	5.339	5.344	5.239	5.251	5.269	5.203	5.300	170-180	0.4904	13695	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6294.3 lm

%lum = 46.0%

%lamp = 46.0%

Conical surface Flux(120deg): 9403.2 lm

%lum = 68.7%

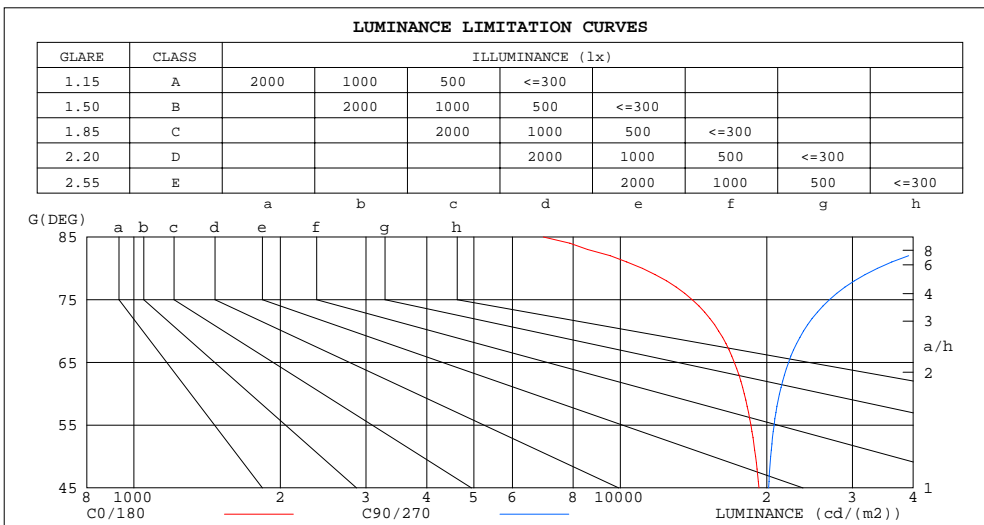
%lamp = 68.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6946	55706
80	11100	33776
75	14057	26907
70	15924	23797
65	17158	22172
60	17976	21241
55	18562	20707
50	18967	20366
45	19278	20178

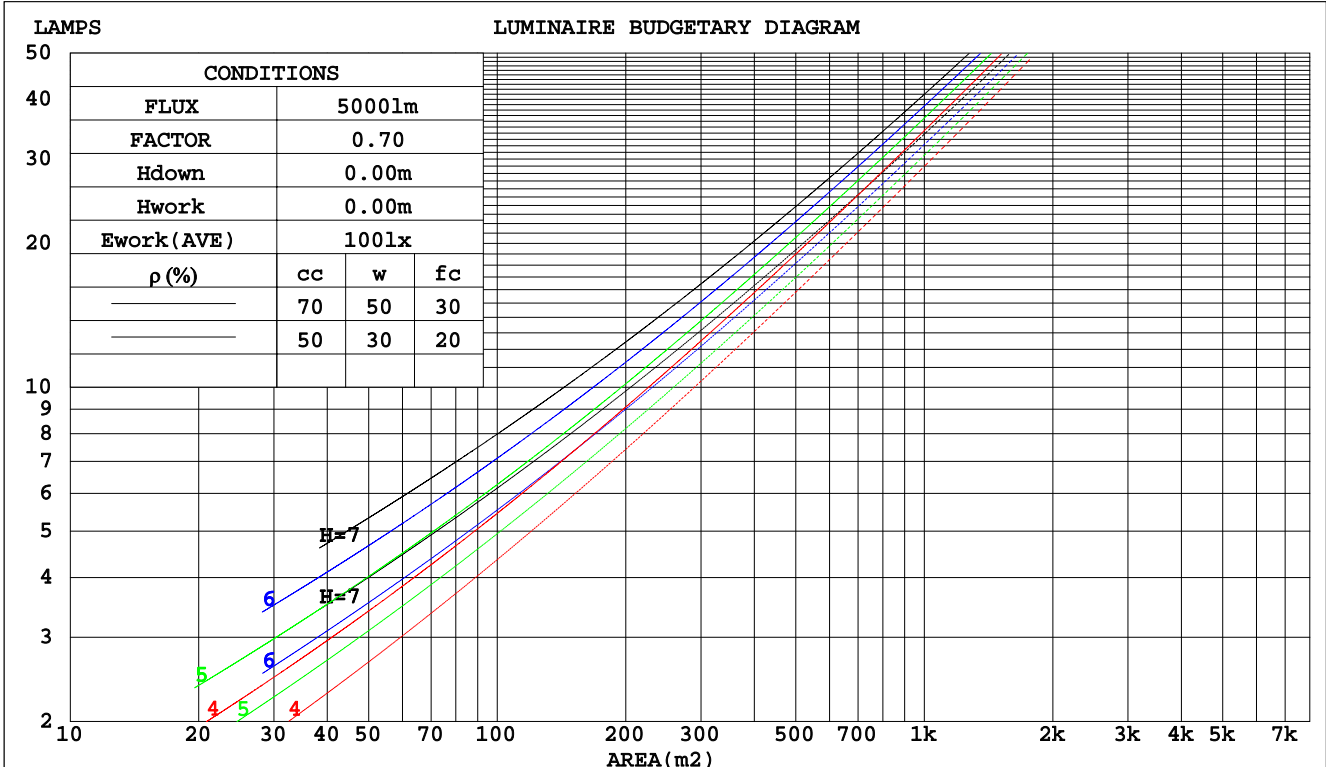
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.95
1.0	1.00	.95	.91	.97	.93	.89	.92	.88	.85	.87	.84	.82	.83	.80	.78	.76
2.0	.87	.79	.73	.84	.77	.72	.80	.74	.69	.75	.71	.67	.72	.68	.64	.62
3.0	.76	.67	.60	.73	.65	.59	.70	.63	.57	.66	.60	.55	.63	.58	.54	.51
4.0	.67	.57	.50	.65	.56	.50	.62	.54	.48	.59	.52	.47	.56	.50	.46	.43
5.0	.59	.50	.43	.58	.49	.43	.55	.47	.42	.52	.46	.41	.50	.44	.40	.37
6.0	.53	.44	.37	.52	.43	.37	.50	.42	.36	.47	.41	.35	.45	.39	.35	.32
7.0	.48	.39	.33	.47	.39	.33	.45	.37	.32	.43	.36	.31	.41	.35	.31	.29
8.0	.44	.35	.29	.43	.35	.29	.41	.34	.28	.39	.33	.28	.38	.32	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.36	.29	.23	.35	.28	.23	.34	.27	.23	.32	.27	.22	.21



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	.353	.201	.064	.344	.196	.062	.328	.188	.060	.312	.180	.058	.298	.173	.056	
2.0	.316	.173	.053	.309	.170	.052	.294	.163	.051	.280	.157	.049	.268	.151	.048	
3.0	.286	.152	.046	.279	.149	.045	.266	.144	.044	.254	.139	.043	.242	.134	.042	
4.0	.260	.135	.040	.254	.133	.039	.242	.128	.038	.231	.124	.037	.221	.120	.037	
5.0	.238	.121	.035	.233	.120	.035	.222	.116	.034	.212	.112	.033	.203	.109	.033	
6.0	.220	.110	.032	.215	.108	.031	.205	.105	.031	.196	.102	.030	.188	.099	.029	
7.0	.203	.101	.029	.199	.099	.028	.190	.096	.028	.182	.093	.027	.175	.091	.027	
8.0	.189	.092	.026	.185	.091	.026	.177	.089	.025	.170	.086	.025	.163	.084	.024	
9.0	.177	.086	.024	.173	.084	.024	.166	.082	.023	.159	.080	.023	.153	.078	.022	
10.0	.166	.079	.022	.162	.078	.022	.156	.076	.022	.150	.074	.021	.144	.072	.021	

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	.232	.232	.232	.198	.198	.198	.135	.135	.135	.078	.078	.078	.025	.025	.025	
1.0	.225	.198	.173	.193	.170	.149	.132	.117	.103	.076	.068	.060	.024	.022	.019	
2.0	.218	.174	.137	.186	.150	.119	.128	.104	.083	.074	.060	.048	.024	.019	.016	
3.0	.210	.157	.114	.180	.135	.099	.124	.094	.070	.071	.055	.041	.023	.018	.013	
4.0	.202	.144	.099	.173	.124	.086	.119	.087	.061	.069	.051	.036	.022	.017	.012	
5.0	.194	.134	.089	.167	.116	.077	.115	.081	.054	.067	.047	.032	.021	.015	.011	
6.0	.187	.125	.081	.161	.109	.071	.111	.076	.050	.064	.045	.030	.021	.015	.010	
7.0	.180	.119	.075	.155	.103	.066	.107	.072	.047	.062	.042	.028	.020	.014	.009	
8.0	.173	.113	.071	.149	.098	.062	.103	.069	.044	.060	.041	.026	.019	.013	.009	
9.0	.167	.108	.068	.144	.094	.059	.100	.066	.042	.058	.039	.025	.019	.013	.008	
10.0	.161	.104	.065	.139	.090	.057	.096	.063	.040	.056	.037	.024	.018	.012	.008	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm										
NAME: Direct Linear Ambient Luminaires					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	21.7	23.2	22.1	23.7	24.1	22.4	24.0	22.9	24.4	24.9
3H	23.4	24.9	23.9	25.3	25.8	24.9	26.3	25.3	26.8	27.2
4H	24.1	25.4	24.5	25.9	26.4	26.1	27.4	26.6	27.9	28.4
6H	24.5	25.7	24.9	26.2	26.7	27.3	28.6	27.8	29.1	29.6
8H	24.5	25.8	25.1	26.3	26.8	28.0	29.2	28.5	29.7	30.2
12H	24.6	25.8	25.1	26.2	26.8	28.7	29.9	29.2	30.4	30.9
4H 2H	22.5	23.8	23.0	24.3	24.8	23.1	24.5	23.6	24.9	25.4
3H	24.5	25.7	25.0	26.2	26.7	25.8	27.0	26.3	27.5	28.0
4H	25.3	26.4	25.8	26.9	27.5	27.2	28.3	27.7	28.8	29.3
6H	25.9	26.8	26.4	27.4	27.9	28.7	29.6	29.2	30.1	30.7
8H	26.0	26.9	26.6	27.5	28.0	29.4	30.3	30.0	30.9	31.4
12H	26.1	26.9	26.7	27.5	28.1	30.3	31.1	30.9	31.7	32.3
8H 4H	26.0	26.9	26.6	27.4	28.0	27.6	28.5	28.2	29.0	29.6
6H	26.8	27.6	27.4	28.2	28.8	29.3	30.1	29.9	30.6	31.2
8H	27.1	27.8	27.7	28.4	29.0	30.3	31.0	30.9	31.5	32.2
12H	27.3	27.9	27.9	28.5	29.2	31.4	32.0	32.0	32.6	33.3
12H 4H	26.2	27.0	26.8	27.6	28.2	27.7	28.5	28.2	29.0	29.6
6H	27.2	27.8	27.8	28.4	29.1	29.5	30.1	30.1	30.7	31.3
8H	27.6	28.2	28.2	28.8	29.4	30.5	31.1	31.1	31.7	32.4
CIE190: 2010										

CIE190: 2010
Area: 0.2006 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 29 March 2022

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 45.1%
Test Distance: 2.500m [K=1.0474]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

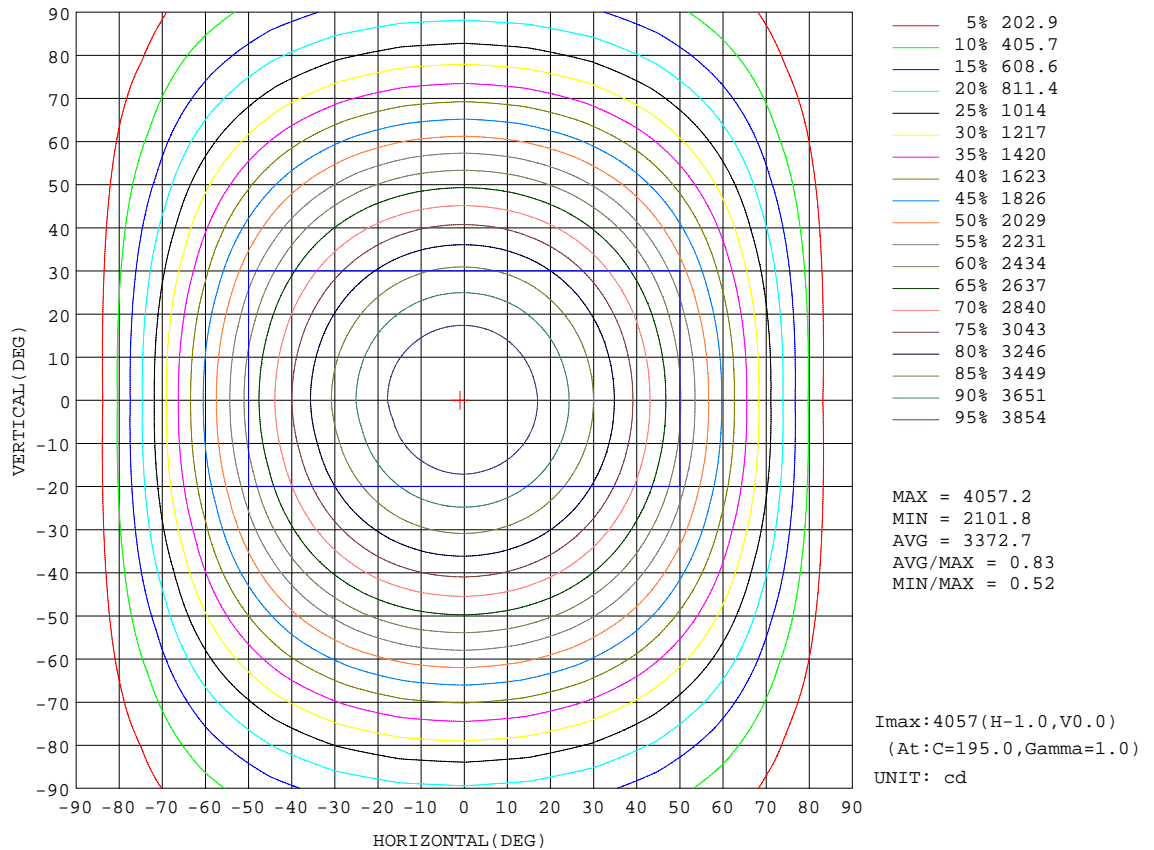
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	34	53	41	34	51	41	34	27
0.80	63	51	43	62	50	43	60	49	42	35
1.00	71	59	51	70	59	51	67	60	50	43
1.25	78	67	59	77	66	58	73	64	57	49
1.50	83	72	64	81	71	64	78	69	63	54
2.00	90	81	73	88	79	72	84	76	70	61
2.50	95	86	79	92	84	77	88	81	75	66
3.00	98	90	83	95	88	82	91	85	80	70
4.00	102	96	90	100	93	88	94	89	85	74
5.00	105	99	94	102	97	92	97	92	89	78
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: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



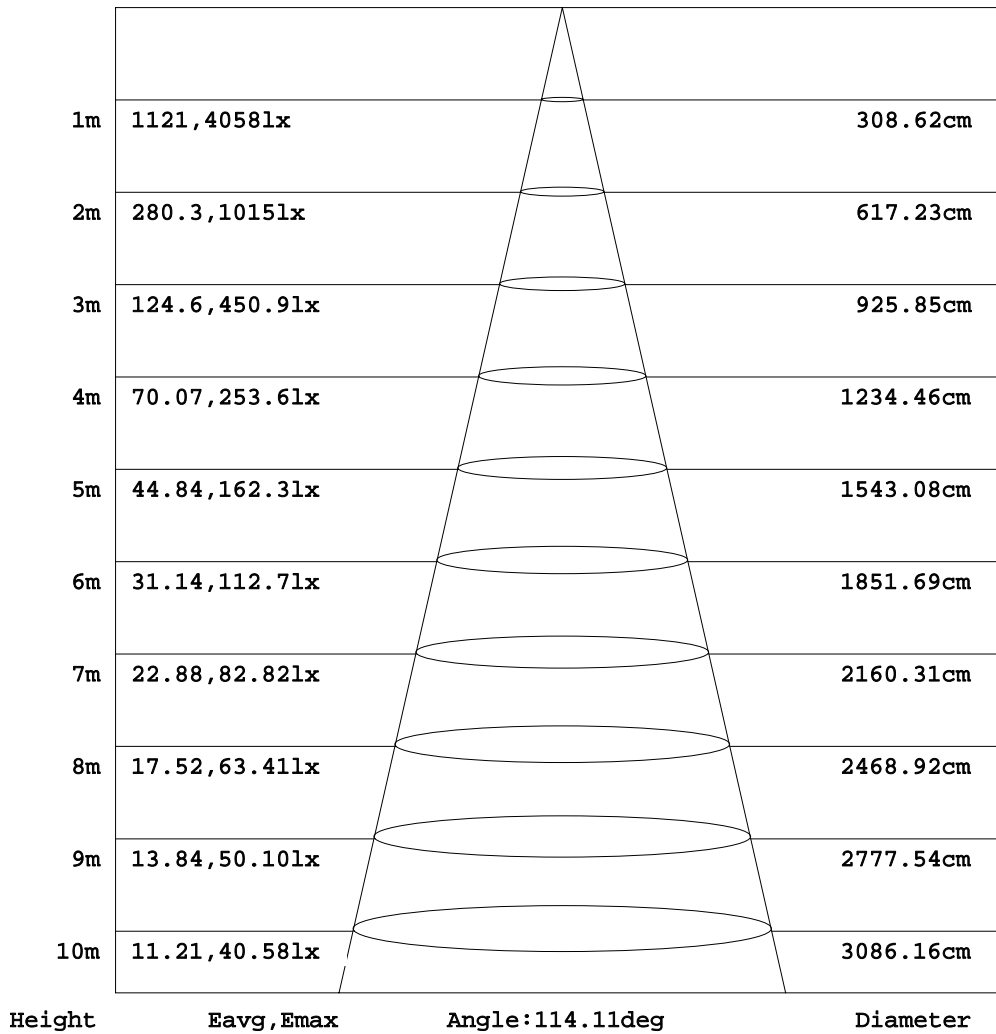
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

AAI Figure

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:9020 lm



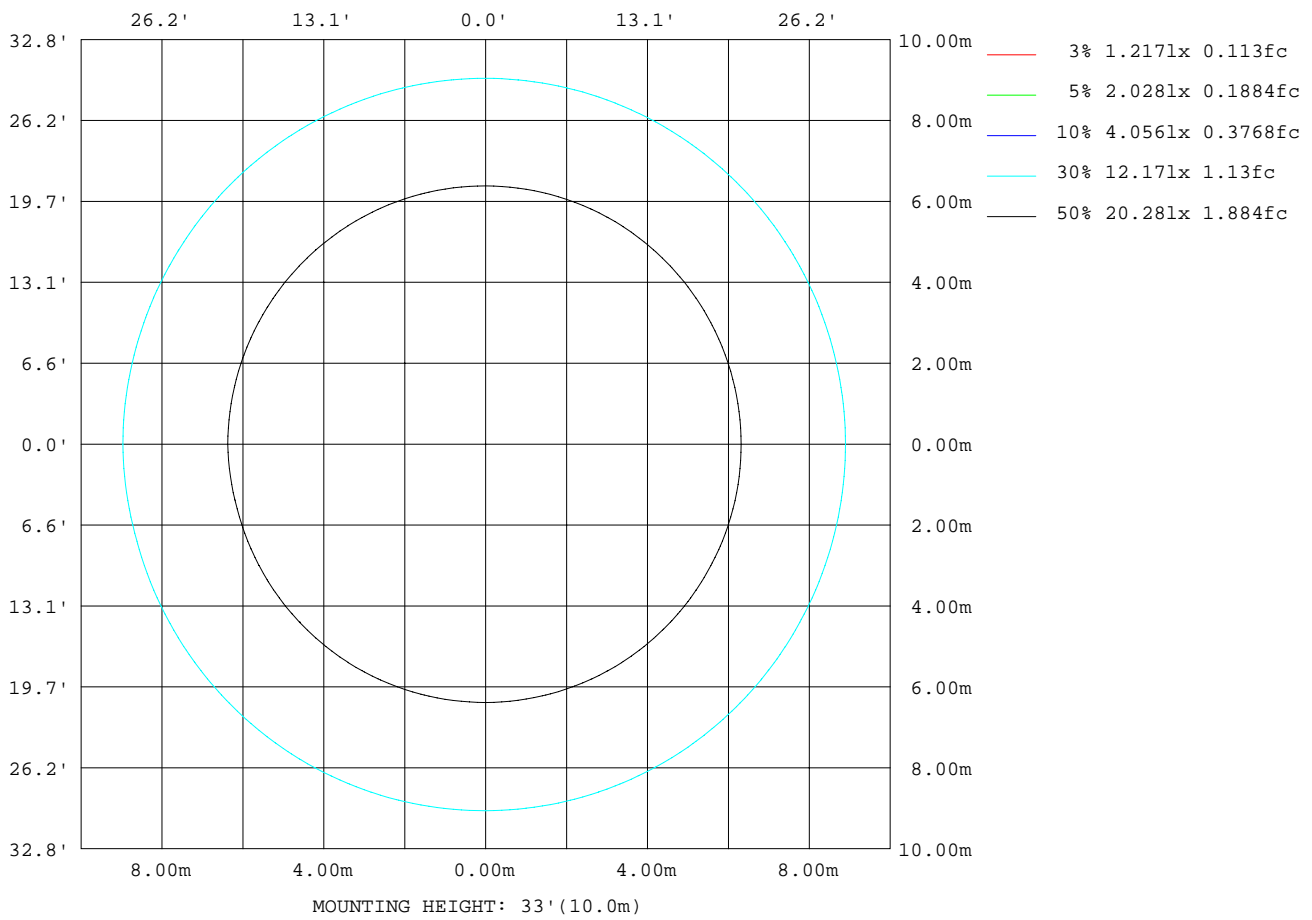
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

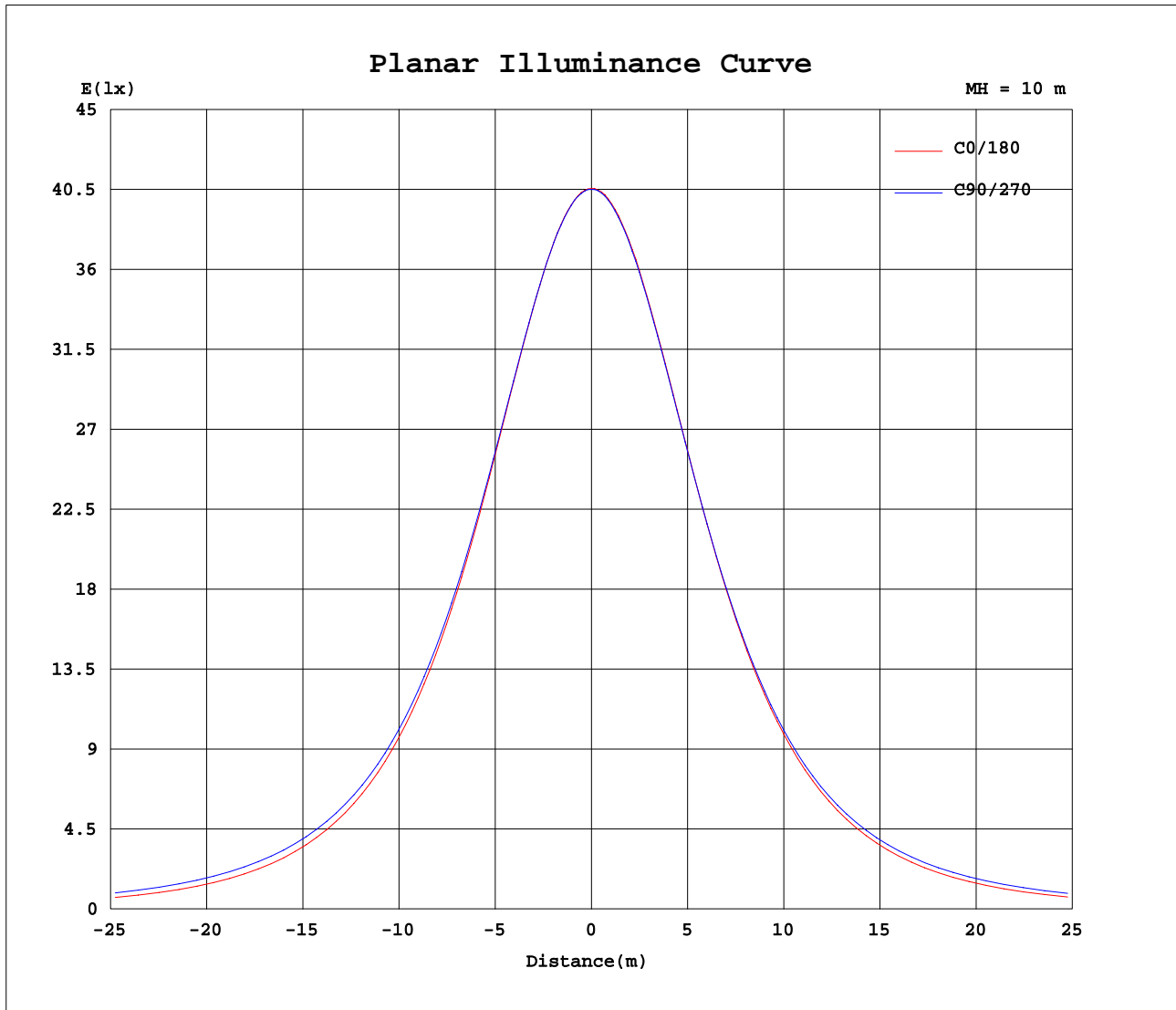
AvgL	cd/m2
L_0~180(65)av	17496
L_0~180(75)av	14580
L_0~180(85)av	7581
L_90~270(65)av	21905
L_90~270(75)av	26442
L_90~270(85)av	54352
L_45(65)av	20137
L_45(75)av	22252
L_45(85)av	39665

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	4056	4058	4057	4056	4054	4053	4051	4051	4049	4049	4046	4047	4056	4058	4057	4056	4054	4053	4051
5	4035	4038	4037	4037	4034	4033	4037	4035	4033	4032	4031	4032	4043	4044	4042	4039	4039	4036	4036
10	3986	3986	3983	3984	3983	3981	3984	3983	3981	3981	3983	3982	3994	3996	3994	3991	3991	3988	3986
15	3898	3899	3899	3898	3898	3897	3899	3899	3900	3902	3901	3900	3914	3915	3914	3910	3907	3906	3903
20	3779	3781	3780	3781	3782	3784	3787	3787	3787	3785	3785	3784	3801	3801	3798	3797	3794	3793	3790
25	3628	3630	3632	3636	3638	3643	3645	3646	3646	3643	3640	3638	3655	3654	3654	3653	3653	3652	3649
30	3447	3449	3452	3460	3469	3476	3481	3481	3480	3472	3467	3464	3479	3478	3478	3480	3483	3483	3481
35	3236	3239	3247	3261	3275	3286	3292	3292	3287	3278	3267	3259	3275	3272	3275	3280	3288	3289	3290
40	2997	3004	3018	3038	3062	3077	3086	3085	3076	3060	3041	3028	3041	3040	3045	3055	3069	3076	3076
45	2734	2743	2765	2799	2830	2852	2862	2860	2848	2823	2794	2772	2783	2781	2793	2812	2833	2844	2846
50	2446	2459	2494	2541	2585	2612	2626	2623	2604	2569	2527	2493	2497	2498	2519	2551	2580	2598	2602
55	2136	2156	2208	2272	2328	2365	2383	2378	2349	2303	2245	2193	2190	2195	2228	2274	2318	2343	2349
60	1803	1834	1908	1993	2064	2110	2130	2122	2086	2025	1947	1874	1860	1873	1924	1990	2048	2081	2091
65	1455	1500	1601	1709	1799	1855	1880	1868	1822	1744	1642	1543	1512	1535	1612	1700	1775	1821	1834
70	1093	1159	1292	1427	1535	1604	1633	1618	1560	1464	1334	1202	1150	1190	1299	1416	1511	1568	1586
75	730	821	993	1158	1285	1366	1397	1379	1312	1195	1035	865	784	849	997	1145	1260	1328	1349
80	387	509	719	911	1054	1142	1177	1156	1080	947	761	551	434	536	723	899	1029	1105	1128
85	121	260	490	694	845	938	974	951	870	728	528	296	144	279	498	685	823	903	927
90	9.56	109	316	513	663	757	791	768	687	543	348	133	2.05	122	321	508	643	724	748
95	0.91	43.9	199	370	510	599	632	610	530	396	222	56.8	1.30	52.9	204	366	495	571	594
100	1.07	18.8	125	264	385	466	497	476	403	284	142	25.6	1.66	22.7	131	263	374	443	466
105	1.16	8.80	74.8	190	289	359	385	367	304	206	89.7	13.0	1.89	11.2	82.0	190	282	342	361
110	1.31	4.72	49.7	129	218	275	297	282	229	144	58.4	7.28	2.04	6.07	52.7	134	213	263	280
115	1.53	2.90	31.7	88.7	148	206	229	214	159	97.3	37.9	4.31	2.21	3.72	33.3	89.8	147	201	215
120	1.81	2.37	19.8	63.2	108	136	151	141	114	69.1	24.2	3.11	2.48	2.97	20.4	62.3	106	130	140
125	2.07	2.40	11.8	42.4	78.7	106	116	109	82.8	47.1	14.9	2.79	2.89	3.00	12.4	41.5	75.2	100	108
130	2.26	2.60	7.10	27.0	53.1	74.3	82.9	76.6	56.9	30.5	9.04	2.87	3.34	3.37	7.78	26.1	50.9	69.7	76.0
135	2.52	2.82	4.64	16.1	33.8	49.3	55.9	51.3	36.8	18.6	5.71	3.05	3.74	3.73	5.48	15.8	32.2	46.1	50.6
140	2.76	3.03	3.63	9.25	20.1	30.4	35.0	31.8	22.3	10.8	4.12	3.20	4.06	3.98	4.54	9.41	19.0	27.9	31.2
145	3.02	3.27	3.50	5.49	10.9	17.0	20.1	18.0	12.3	6.33	3.65	3.40	4.42	4.40	4.46	6.21	10.8	15.8	17.9
150	3.28	3.50	3.64	3.94	5.84	8.77	10.4	9.43	6.71	4.30	3.68	3.58	4.78	4.76	4.77	5.10	6.69	8.88	9.95
155	3.72	3.80	3.88	3.81	4.04	4.94	5.64	5.35	4.48	3.98	3.92	3.86	5.12	5.09	5.09	5.15	5.35	5.99	6.43
160	3.99	4.02	4.01	4.00	3.97	4.04	4.22	4.28	4.19	4.17	4.18	4.15	5.43	5.41	5.37	5.39	5.42	5.45	5.55
165	4.28	4.28	4.24	4.26	4.21	4.24	4.29	4.38	4.42	4.44	4.45	4.46	5.62	5.62	5.58	5.55	5.59	5.59	5.67
170	4.57	4.58	4.52	4.52	4.47	4.50	4.47	4.51	4.59	4.64	4.69	4.71	5.66	5.66	5.64	5.62	5.60	5.59	5.61
175	4.90	4.92	4.92	4.93	4.87	4.86	4.80	4.90	4.87	4.88	4.91	4.94	5.54	5.54	5.54	5.53	5.51	5.49	5.55
180	5.26	5.26	5.28	5.34	5.21	5.26	5.34	5.27	5.26	5.24	5.23	5.25	5.25	5.25	5.26	5.27	5.28	5.20	5.20

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.9925A P:118.85W PF:0.9979 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	4051	4049	4049	4046	4047														
5	4034	4033	4032	4030	4026														
10	3984	3982	3981	3978	3976														
15	3901	3900	3895	3894	3893														
20	3788	3786	3779	3778	3776														
25	3646	3641	3633	3630	3627														
30	3477	3471	3459	3452	3447														
35	3284	3272	3258	3246	3239														
40	3069	3054	3035	3014	3003														
45	2837	2818	2790	2760	2741														
50	2592	2565	2526	2487	2457														
55	2336	2303	2251	2194	2151														
60	2074	2031	1965	1892	1829														
65	1814	1760	1676	1579	1493														
70	1560	1495	1392	1267	1151														
75	1320	1245	1123	968	814														
80	1097	1014	879	698	508														
85	895	809	667	477	260														
90	717	631	493	307	113														
95	565	484	353	194	49.5														
100	438	365	254	125	20.8														
105	338	276	184	76.0	9.98														
110	260	208	127	49.7	5.31														
115	197	141	85.9	31.0	3.30														
120	127	103	60.4	18.8	2.72														
125	98.6	73.4	39.8	11.3	2.83														
130	68.4	49.2	25.0	7.18	3.24														
135	45.1	30.9	15.0	5.21	3.63														
140	27.4	18.3	9.09	4.51	3.95														
145	15.7	10.7	6.28	4.54	4.31														
150	9.06	6.95	5.32	4.82	4.70														
155	6.27	5.63	5.24	5.12	5.00														
160	5.57	5.55	5.52	5.44	5.32														
165	5.71	5.73	5.69	5.61	5.52														
170	5.63	5.72	5.68	5.62	5.56														
175	5.45	5.57	5.60	5.53	5.49														
180	5.34	5.24	5.30	5.25	5.24														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 29 March 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0474]
 Remarks: