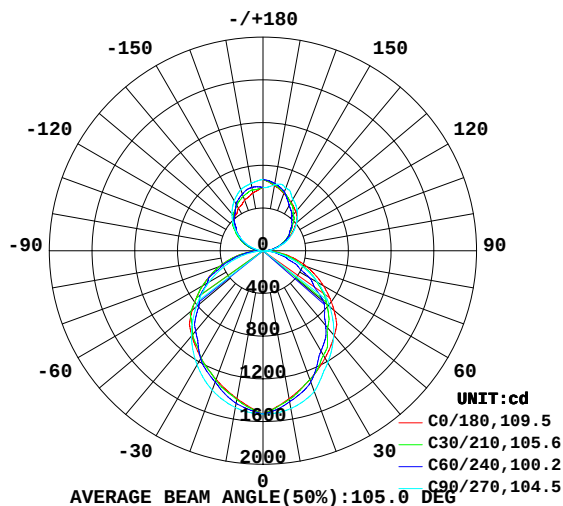


LUMINAIRE PHOTOMETRIC TEST REPORT

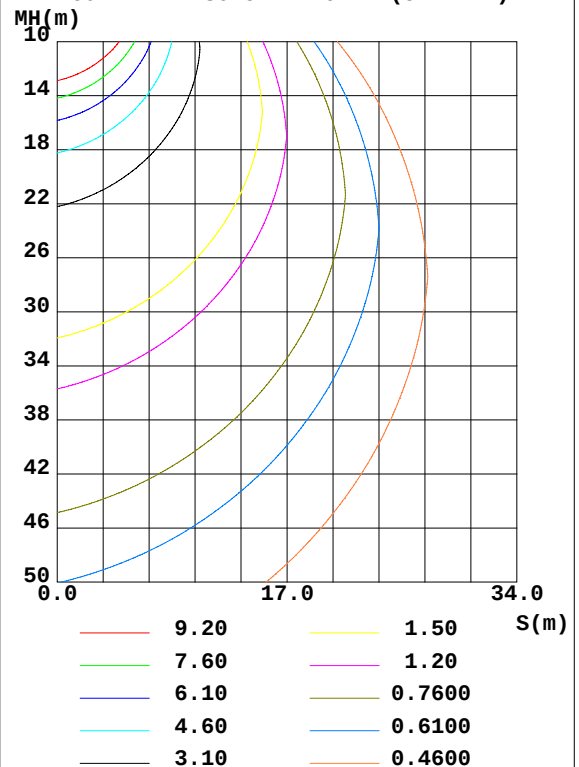
Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.47 lm/W			
MODEL	3500K	Imax(cd)	1530	S/MH(C0/180)	1.14
NOMINAL POWER(W)	50W	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5710.5	η UP, DN(C0-180)	15.4, 33.5
NOMINAL FLUX(lm)	5710.46	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	15.4, 35.6
LAMPS INSIDE	1	η up(%)	30.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.2	η down(%)	69.2	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

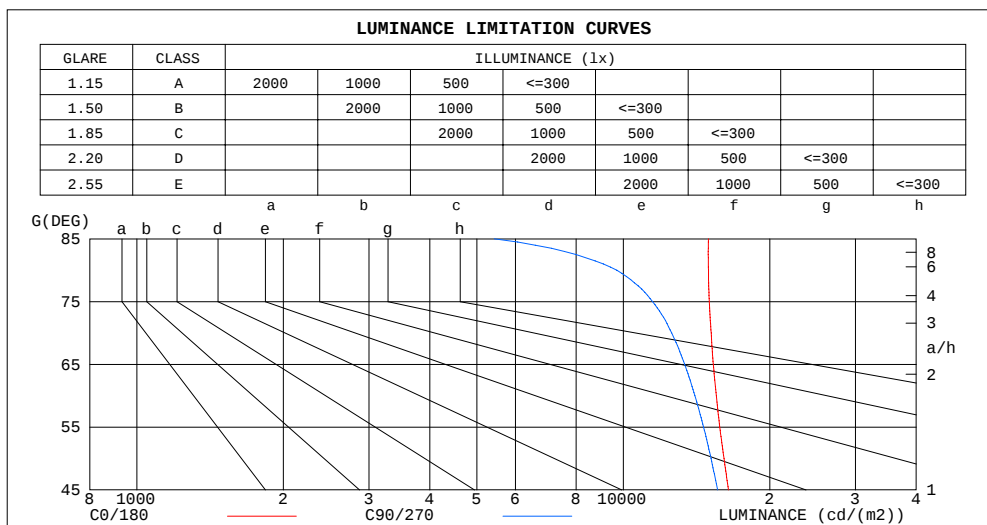
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1407	1424	1500	1423	1406	1429	1490	1429	0- 10	140.2	140.2	2.46, 2.46
20	1284	1279	1403	1282	1283	1305	1390	1304	10- 20	387.5	527.7	9.24, 9.24
30	1162	1099	1212	1094	1160	1151	1235	1148	20- 30	566.6	1094	19.2, 19.2
40	1039	929.6	1030	919.9	1037	987.4	1042	981.4	30- 40	668.5	1763	30.9, 30.9
50	869.7	775.4	818.0	766.6	867.7	827.7	817.0	817.8	40- 50	693.8	2457	43, 43
60	652.5	583.9	589.2	578.2	651.5	633.5	581.2	621.1	50- 60	625.3	3082	54, 54
70	435.4	367.6	361.1	367.8	435.3	416.6	344.5	405.9	60- 70	479.8	3562	62.4, 62.4
80	218.2	166.9	141.4	176.7	219.2	210.2	122.2	202.3	70- 80	292.7	3854	67.5, 67.5
90	1.093	1.424	0.7825	1.565	2.953	7.520	0	3.142	80- 90	96.22	3951	69.2, 69.2
100	101.7	89.65	109.9	85.20	89.93	89.08	36.95	91.89	90-100	46.38	3997	70, 70
110	202.4	182.2	211.6	170.6	176.9	172.8	143.8	182.7	100-110	136.0	4133	72.4, 72.4
120	303.0	283.3	314.9	259.1	263.9	261.8	249.2	278.9	110-120	219.6	4353	76.2, 76.2
130	403.7	366.3	411.2	352.4	350.9	345.5	353.8	365.4	120-130	281.2	4634	81.1, 81.1
140	477.8	426.0	497.2	418.7	416.7	419.3	452.5	437.2	130-140	308.6	4942	86.6, 86.6
150	525.3	498.1	560.3	494.0	461.4	493.7	539.4	509.8	140-150	295.1	5237	91.7, 91.7
160	572.7	576.1	625.0	565.1	506.1	556.5	608.0	570.1	150-160	247.9	5485	96.1, 96.1
170	620.2	633.3	627.5	572.3	550.8	590.5	640.6	620.5	160-170	166.4	5652	99, 99
180	667.7	667.7	595.4	595.4	595.4	595.4	667.7	667.7	170-180	58.71	5710	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

V(B) Range:-180 - 180DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	14963	5430
80	14962	9693
75	15018	11477
70	15155	12570
65	15309	13367
60	15537	14028
55	15783	14617
50	16107	15150
45	16455	15621

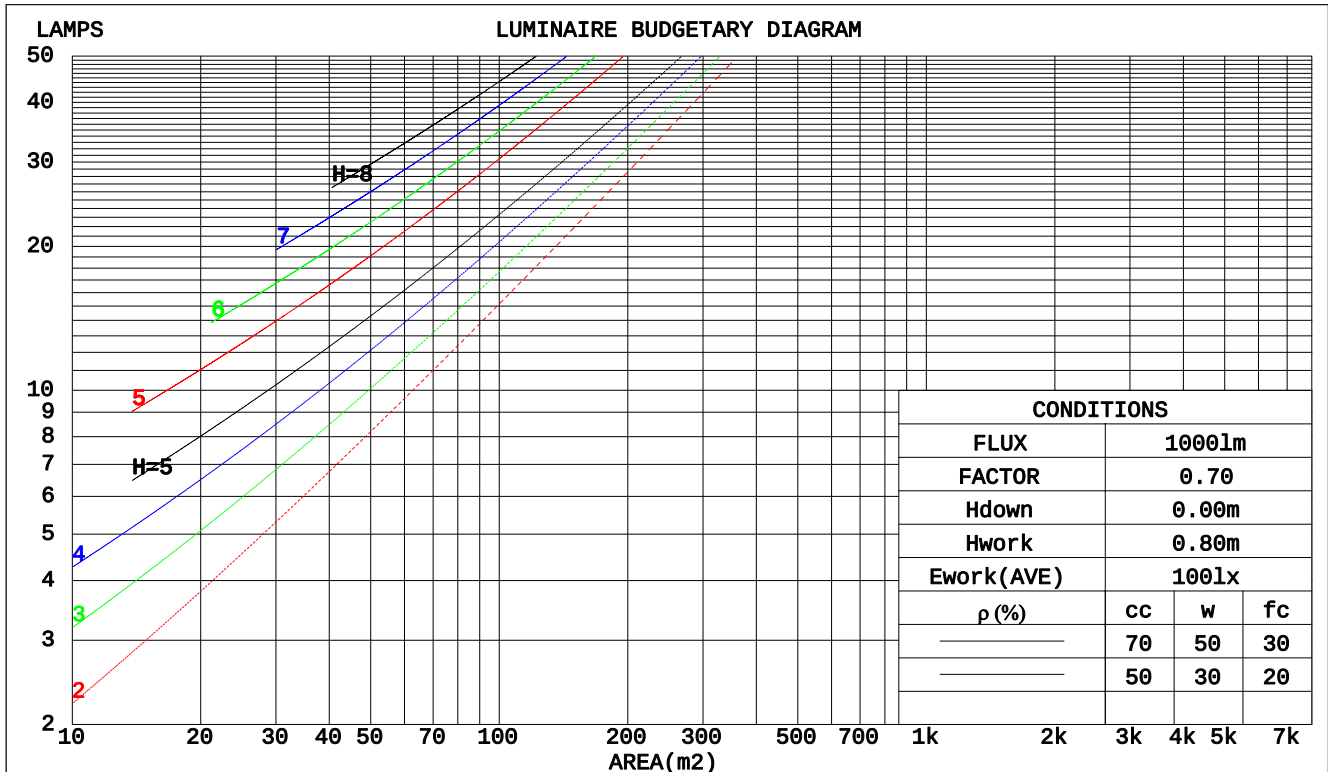
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.83	.83	.83	.74	.74	.74	.69
1.0	.97	.93	.89	.92	.88	.85	.82	.79	.77	.73	.71	.69	.65	.63	.62	.58
2.0	.85	.78	.73	.80	.74	.69	.72	.67	.63	.64	.60	.57	.57	.54	.51	.48
3.0	.74	.66	.60	.70	.63	.58	.63	.57	.53	.56	.52	.48	.50	.47	.44	.40
4.0	.66	.57	.51	.62	.55	.49	.56	.50	.45	.50	.45	.41	.45	.41	.37	.34
5.0	.59	.50	.44	.56	.48	.42	.50	.44	.39	.45	.40	.36	.40	.36	.33	.30
6.0	.53	.44	.38	.50	.42	.37	.45	.39	.34	.41	.35	.31	.36	.32	.29	.26
7.0	.48	.39	.33	.45	.38	.32	.41	.35	.30	.37	.32	.28	.33	.29	.25	.23
8.0	.43	.35	.30	.41	.34	.29	.37	.31	.27	.34	.29	.25	.30	.26	.23	.21
9.0	.40	.32	.26	.38	.31	.26	.34	.28	.24	.31	.26	.22	.28	.24	.21	.19
10.0	.36	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.26	.22	.19	.17



$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

$V(B)$ Range:-180 - 180DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm								
NAME: L-ASF04-U/D-50W				TYPE:White			WEIGHT:	
SPEC.:				DIM.:			SERIAL No.:	
MFR.: Shenzhen Wisdom Light Co., ltd				SUR.:1.2*0.7			Shielding Angle:	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.298	.169	.054	.282	.161	.051	.251	.144	.046	.223	.129	.041	.197	.114	.037	
2.0	.277	.152	.047	.262	.144	.044	.234	.130	.040	.209	.117	.037	.185	.105	.033	
3.0	.255	.136	.041	.242	.129	.039	.216	.117	.036	.193	.106	.032	.171	.095	.029	
4.0	.235	.122	.036	.223	.117	.034	.200	.106	.032	.179	.096	.029	.159	.086	.026	
5.0	.218	.111	.032	.206	.106	.031	.185	.096	.028	.166	.087	.026	.147	.079	.024	
6.0	.202	.101	.029	.192	.097	.028	.172	.088	.026	.154	.080	.024	.137	.072	.021	
7.0	.188	.093	.026	.179	.089	.025	.161	.081	.023	.144	.074	.021	.128	.067	.020	
8.0	.176	.086	.024	.167	.082	.023	.150	.075	.021	.135	.068	.020	.120	.062	.018	
9.0	.165	.080	.022	.157	.076	.021	.141	.070	.020	.127	.064	.018	.113	.057	.017	
10.0	.155	.074	.021	.147	.071	.020	.133	.065	.018	.120	.059	.017	.107	.054	.015	

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.425	.425	.425	.363	.363	.363	.248	.248	.248	.143	.143	.143	.046	.046	.046	
1.0	.416	.393	.372	.356	.337	.320	.244	.232	.221	.140	.134	.129	.045	.043	.042	
2.0	.409	.370	.338	.350	.319	.292	.240	.221	.204	.138	.128	.120	.044	.041	.039	
3.0	.401	.354	.316	.344	.305	.274	.236	.212	.192	.136	.124	.113	.044	.040	.037	
4.0	.394	.341	.301	.338	.295	.262	.233	.206	.184	.135	.120	.109	.043	.039	.036	
5.0	.387	.332	.291	.332	.287	.253	.229	.200	.179	.133	.118	.106	.043	.038	.035	
6.0	.380	.324	.283	.327	.280	.247	.226	.196	.174	.131	.115	.104	.042	.038	.034	
7.0	.374	.317	.278	.322	.275	.242	.222	.193	.171	.129	.114	.102	.042	.037	.034	
8.0	.368	.312	.273	.317	.271	.238	.219	.190	.169	.128	.112	.101	.041	.037	.033	
9.0	.362	.307	.270	.312	.267	.236	.216	.187	.167	.126	.111	.100	.041	.036	.033	
10.0	.357	.303	.267	.308	.263	.233	.214	.185	.166	.125	.110	.099	.040	.036	.033	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

$V(B)$ Range:-180 - 180DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm											
NAME: L-ASF04-U/D-50W					TYPE:White			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: Shenzhen Wisdom Light Co., ltd					SUR.:1.2*0.7			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	2H	20.5	21.7	21.2	22.3	23.1	19.3	20.4	19.9	21.0	21.8
	3H	22.2	23.2	22.9	23.9	24.7	20.4	21.4	21.1	22.1	22.9
	4H	23.0	23.9	23.7	24.6	25.5	20.8	21.7	21.5	22.4	23.3
	6H	23.6	24.5	24.3	25.2	26.1	21.0	21.9	21.7	22.6	23.5
	8H	23.8	24.7	24.5	25.4	26.3	21.0	21.9	21.8	22.6	23.5
	12H	24.0	24.8	24.7	25.5	26.4	21.0	21.8	21.8	22.6	23.5
4H	2H	20.9	21.9	21.6	22.6	23.4	19.9	20.9	20.6	21.6	22.4
	3H	22.8	23.6	23.5	24.3	25.2	21.1	21.9	21.8	22.7	23.6
	4H	23.6	24.4	24.4	25.1	26.1	21.5	22.3	22.3	23.0	24.0
	6H	24.4	25.0	25.2	25.8	26.8	21.8	22.5	22.6	23.2	24.2
	8H	24.7	25.3	25.5	26.1	27.1	21.9	22.5	22.7	23.3	24.2
	12H	24.9	25.5	25.7	26.3	27.3	21.8	22.4	22.7	23.2	24.2
8H	4H	23.7	24.3	24.5	25.1	26.1	21.9	22.5	22.7	23.3	24.3
	6H	24.7	25.2	25.5	26.0	27.0	22.3	22.8	23.1	23.6	24.6
	8H	25.1	25.5	25.9	26.4	27.4	22.4	22.9	23.3	23.7	24.7
	12H	25.4	25.8	26.3	26.7	27.7	22.5	22.8	23.3	23.7	24.7
12H	4H	23.7	24.2	24.5	25.1	26.0	21.9	22.5	22.8	23.3	24.3
	6H	24.7	25.1	25.5	26.0	27.0	22.4	22.9	23.3	23.7	24.7
	8H	25.1	25.5	26.0	26.4	27.4	22.6	23.0	23.5	23.8	24.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.3					
1.5H	+ 0.2 / - 0.3					+ 0.6 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.9 / - 0.8					

CIE Pub.117, 5710 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.1$)
Area: 0.084 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

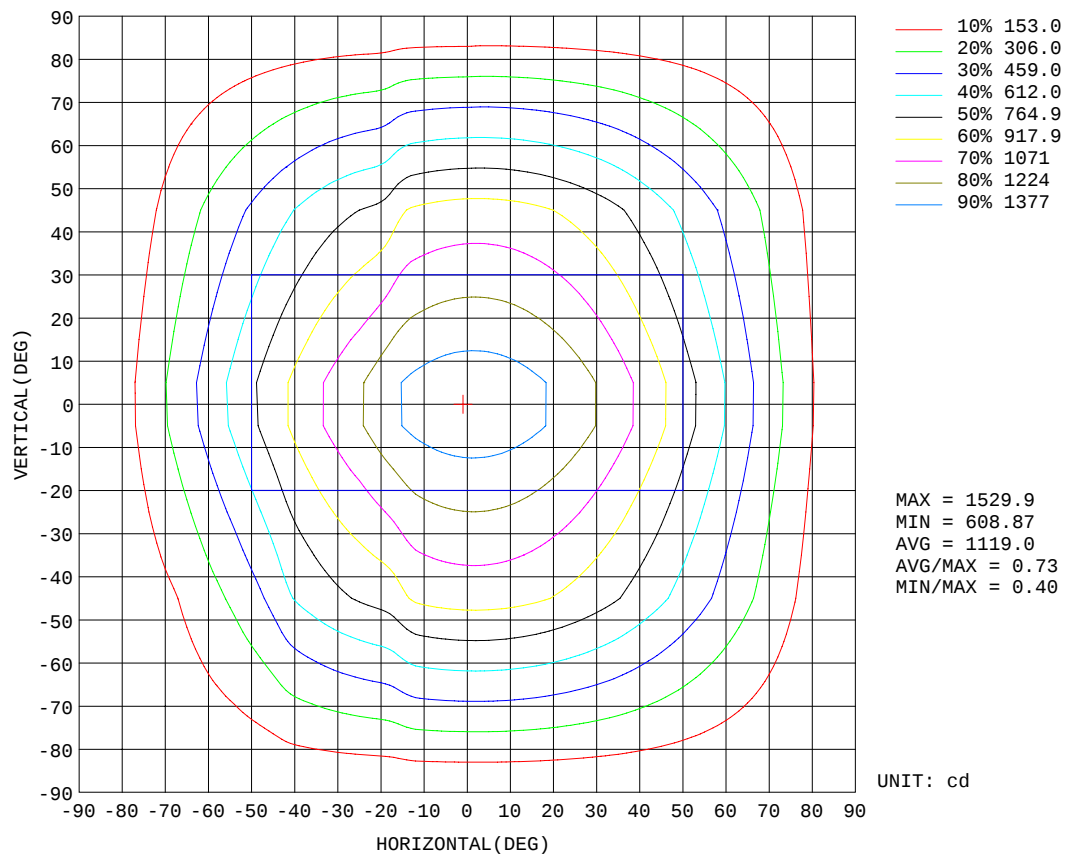
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	38	31	47	37	31	44	35	29	22
0.80	59	47	40	56	46	39	52	43	37	28
1.00	67	55	48	64	53	47	59	52	44	34
1.25	74	63	55	70	60	54	64	56	51	39
1.50	79	68	61	75	66	59	68	61	55	43
2.00	86	77	70	81	73	67	74	67	62	48
2.50	90	82	75	85	78	72	77	71	67	51
3.00	93	86	80	89	82	77	80	75	70	54
4.00	98	91	86	92	87	83	83	79	75	57
5.00	100	95	90	95	90	86	85	82	78	59
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

$V(\beta)$ Range:-180 - 180DEG
 $V(\beta)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:



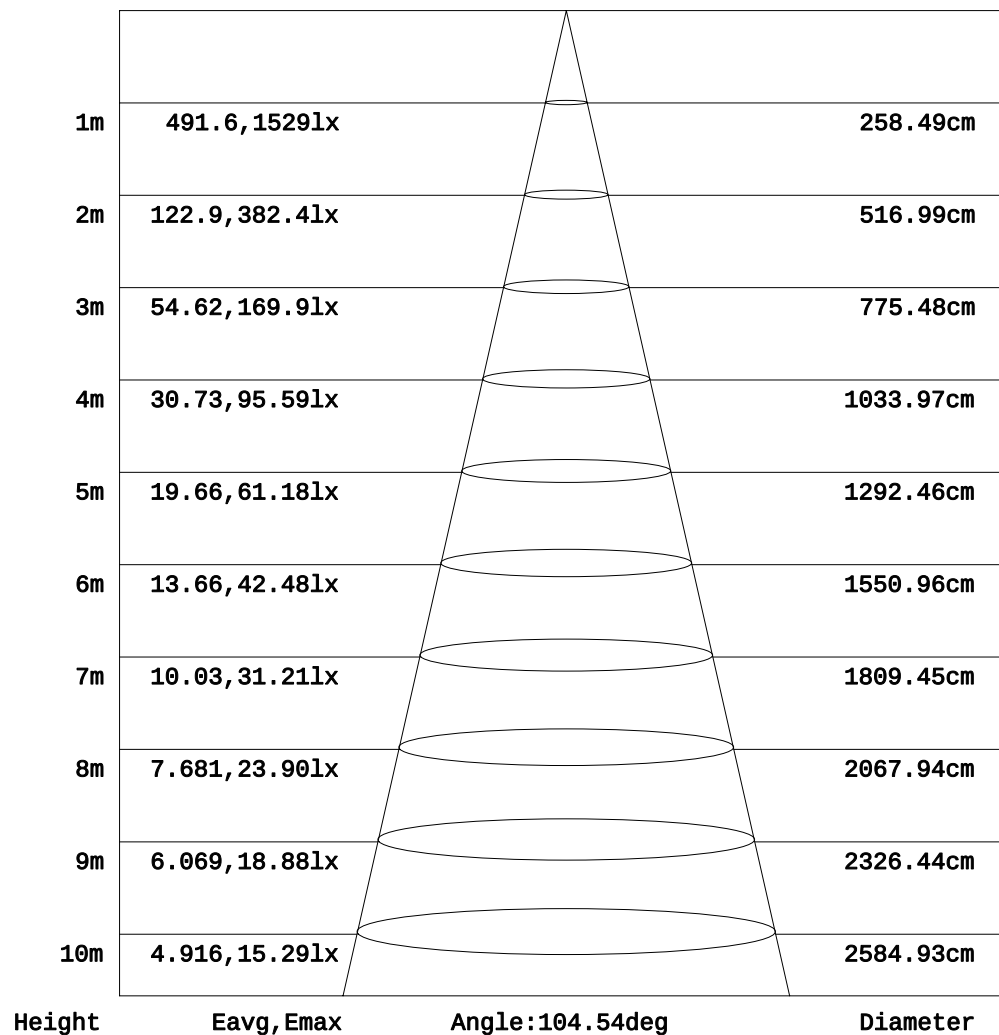
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

AAI Figure

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

Flux out:2623 lm



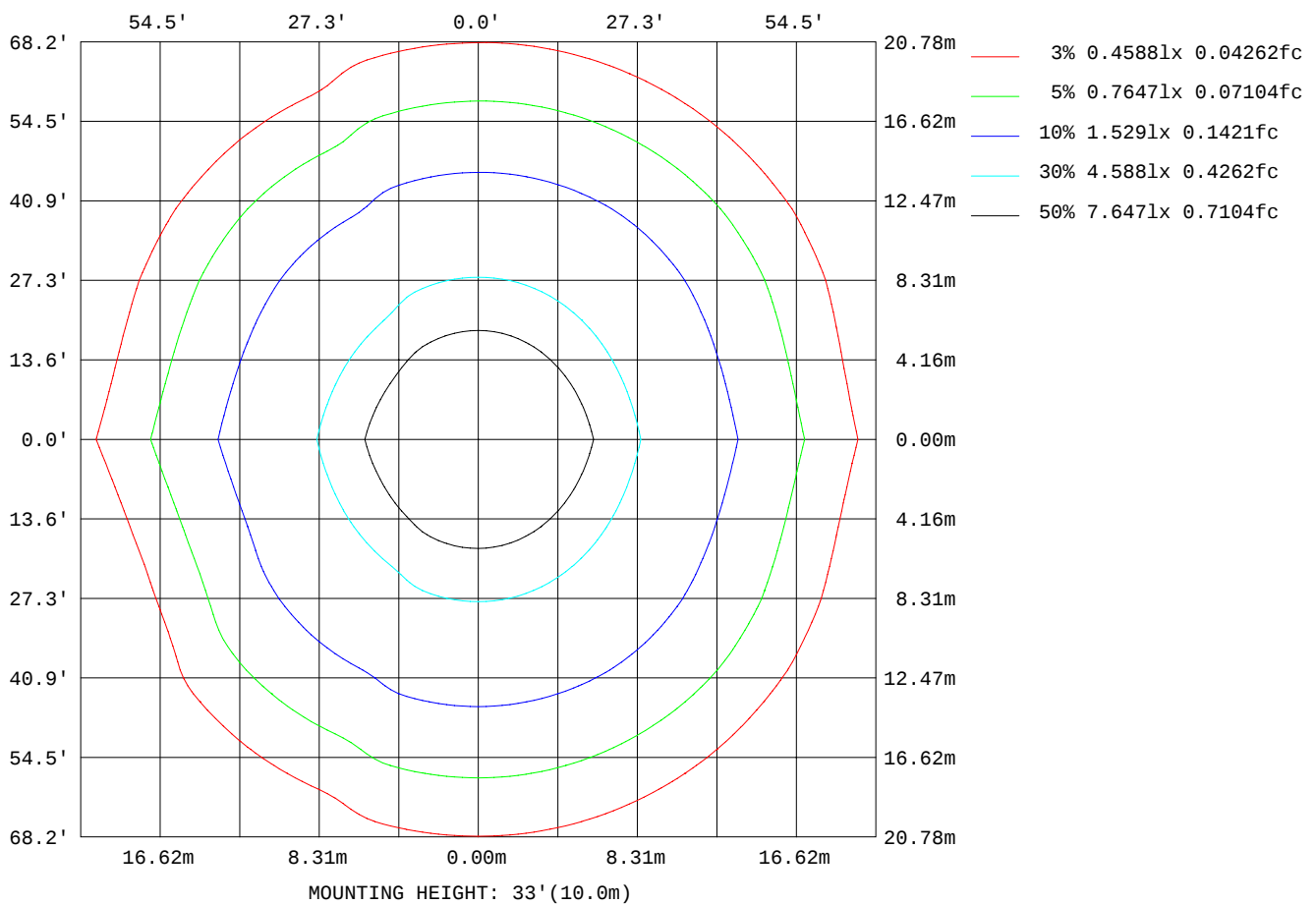
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm		
NAME: L-ASF04-U/D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

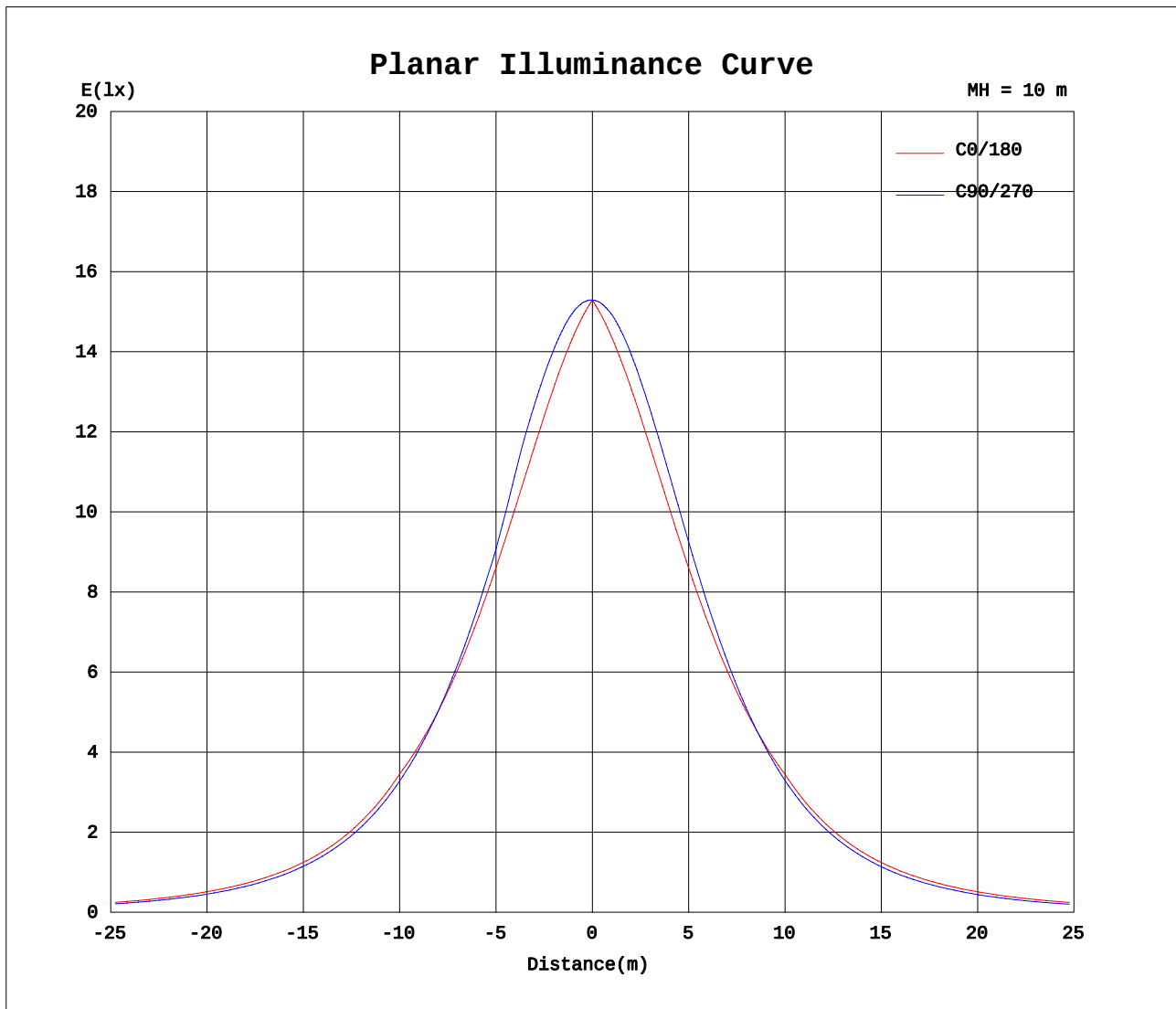
AvgL	cd/m2
L_0~180(65)av	15288
L_0~180(75)av	14999
L_0~180(85)av	14948
L_90~270(65)av	13166
L_90~270(75)av	11067
L_90~270(85)av	4408
L_45(65)av	13954
L_45(75)av	13254
L_45(85)av	13059

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

V(B) Range:-180 - 180DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
Humidity:50.0%
Test Distance:6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm																		
NAME: L-ASF04-U/D-50W									TYPE:White					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:1.2*0.7					Shielding Angle:				

Table--1

UNIT: cd

γ (DEG) \ C (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529
5	1468	1468	1468	1468	1469	1470	1472	1475	1477	1480	1483	1487	1492	1496	1501	1507	1512	1518	1524
10	1407	1408	1408	1410	1411	1413	1416	1418	1421	1424	1427	1431	1435	1444	1453	1464	1475	1487	1500
15	1345	1344	1344	1344	1345	1347	1350	1354	1359	1366	1373	1376	1380	1383	1388	1401	1419	1439	1461
20	1284	1285	1285	1286	1286	1285	1284	1283	1281	1279	1285	1295	1309	1312	1313	1314	1336	1368	1403
25	1223	1221	1219	1217	1216	1216	1217	1218	1215	1200	1187	1177	1192	1211	1221	1217	1222	1259	1301
30	1162	1162	1161	1159	1155	1149	1132	1104	1096	1099	1105	1096	1086	1095	1121	1133	1134	1166	1212
35	1100	1097	1094	1089	1085	1074	1054	1034	1014	999	994	1006	1015	1005	1015	1049	1049	1070	1124
40	1039	1039	1036	1031	1021	986	942	928	927	930	922	906	914	930	914	938	959	966	1030
45	977	973	968	961	941	897	872	864	850	833	834	840	816	818	832	810	864	847	928
50	870	869	868	866	843	791	783	781	777	775	750	728	738	700	699	698	728	738	818
55	760	758	755	750	715	687	690	693	687	674	668	658	585	591	561	599	589	630	704
60	653	652	651	647	610	585	583	578	580	584	569	504	497	454	470	452	477	526	589
65	543	541	538	528	494	486	488	489	482	467	433	414	371	357	340	363	384	417	475
70	435	435	434	429	397	389	386	380	373	368	344	300	270	269	243	232	245	282	361
75	327	325	323	312	292	290	290	288	285	274	234	204	198	179	165	143	161	188	250
80	218	218	218	214	197	195	193	190	185	167	146	136	129	109	96.2	82.4	72.1	82.1	141
85	110	109	109	104	97.4	97.1	96.5	95.1	93.1	85.8	76.0	69.1	63.5	53.4	42.7	42.3	29.3	10.9	39.8
90	1.09	1.34	1.56	1.49	1.13	1.25	1.48	1.50	1.53	1.42	1.31	1.29	1.30	1.39	1.44	1.44	1.45	1.40	0.78
95	51.5	51.9	51.5	50.6	46.2	45.6	46.3	46.7	46.1	46.0	46.4	46.9	47.0	43.6	42.1	46.1	43.5	34.4	59.8
100	102	102	103	101	95.5	90.1	91.8	92.3	90.5	89.7	89.7	91.6	93.4	87.0	87.4	87.3	89.6	86.6	110
105	152	153	152	150	139	134	137	139	139	137	137	135	140	137	136	135	134	140	159
110	202	204	204	201	193	179	182	184	181	182	186	186	186	194	184	171	172	182	212
115	253	254	252	250	239	224	228	232	233	228	229	238	239	236	222	224	227	235	265
120	303	305	305	303	296	272	271	274	280	283	281	280	280	263	263	251	255	267	315
125	354	354	354	351	347	326	317	325	328	326	323	318	304	305	289	295	287	295	364
130	404	406	407	405	401	381	359	365	365	366	357	345	348	338	339	332	337	329	411
135	455	455	453	449	443	432	409	395	393	388	390	393	381	379	384	377	396	384	456
140	478	479	480	478	472	465	441	423	424	426	422	419	422	428	421	429	436	434	497
145	503	503	502	501	498	495	491	482	462	455	452	456	459	457	462	475	475	483	532
150	525	527	528	528	527	524	519	510	500	498	500	497	491	493	503	507	508	520	560
155	550	551	551	551	552	551	551	552	551	545	537	530	537	545	551	550	551	569	609
160	573	574	576	577	578	579	579	578	576	576	579	582	587	587	585	585	594	606	625
165	598	599	599	600	601	603	604	606	608	611	614	615	616	617	618	623	631	639	645
170	620	621	623	624	625	627	628	630	631	633	635	637	639	643	646	651	655	660	628
175	646	646	647	647	648	649	649	651	652	653	654	656	658	660	662	664	666	668	601
180	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	595

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

$V(B)$ Range:-180 - 180DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm																		
NAME: L-ASF04-U/D-50W									TYPE:White					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:1.2*0.7					Shielding Angle:				

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529
5	1518	1512	1507	1501	1496	1491	1487	1483	1480	1477	1475	1472	1470	1469	1468	1468	1467	1467	1468
10	1487	1475	1464	1453	1443	1435	1431	1427	1423	1420	1418	1415	1413	1411	1409	1408	1407	1406	1406
15	1440	1420	1403	1389	1384	1380	1375	1372	1365	1358	1353	1349	1346	1344	1343	1343	1343	1344	1346
20	1367	1336	1314	1314	1315	1312	1298	1289	1282	1281	1282	1283	1284	1284	1285	1284	1284	1283	1283
25	1259	1220	1214	1217	1208	1188	1172	1188	1206	1219	1219	1216	1214	1215	1216	1217	1219	1221	1223
30	1165	1132	1131	1118	1092	1081	1089	1099	1094	1095	1112	1137	1147	1153	1157	1159	1160	1160	1160
35	1069	1047	1047	1012	1001	1010	1000	986	989	1006	1041	1063	1077	1083	1087	1091	1095	1098	1100
40	966	958	936	911	926	909	900	914	920	916	915	941	997	1019	1028	1033	1036	1037	1037
45	852	867	817	831	816	812	834	827	824	839	849	866	909	947	958	965	971	975	977
50	747	744	720	721	714	736	724	744	767	766	768	767	793	852	863	865	867	868	868
55	643	614	632	603	630	620	657	663	667	677	681	675	682	727	749	752	755	758	762
60	542	508	497	526	516	551	549	569	578	573	570	572	575	620	645	648	650	652	652
65	436	422	416	408	436	444	462	455	464	476	482	479	477	498	531	536	540	542	546
70	302	286	295	322	345	337	351	368	368	369	376	380	381	402	429	432	434	435	436
75	205	200	210	233	239	251	249	263	276	282	284	285	284	290	316	322	324	326	329
80	92.5	101	121	142	151	166	167	170	177	183	188	190	191	198	215	217	217	219	221
85	14.0	40.5	61.3	63.7	74.7	82.4	85.2	87.8	90.3	92.3	94.0	95.0	95.3	96.1	105	108	109	109	113
90	1.81	1.83	1.82	1.78	1.76	1.72	1.67	1.63	1.57	1.52	1.45	1.40	1.25	1.14	1.18	1.43	1.07	2.95	4.99
95	27.5	30.4	29.7	28.1	32.5	37.1	39.7	42.7	43.9	42.7	43.0	43.9	43.2	43.6	46.7	45.2	36.9	43.2	49.2
100	73.0	60.5	55.1	60.6	64.7	74.1	77.2	81.3	85.2	83.5	85.4	86.8	85.0	91.0	92.4	83.3	72.4	89.9	94.8
105	120	101	91.2	99.0	103	113	115	128	130	127	130	129	127	132	138	132	107	127	138
110	168	147	138	140	153	153	166	177	171	166	171	172	168	184	184	162	146	177	184
115	234	214	201	190	200	207	224	217	212	214	220	215	211	227	228	214	177	211	226
120	283	258	245	254	247	267	265	262	259	260	260	256	256	278	274	234	223	264	274
125	330	310	313	296	309	302	306	300	299	309	306	298	309	324	319	288	244	296	314
130	376	371	357	354	346	346	335	339	352	348	345	338	362	369	354	298	307	351	362
135	421	422	398	397	386	379	385	381	379	379	378	392	410	407	397	349	316	380	400
140	467	459	445	431	433	423	418	418	419	415	410	427	439	434	399	352	386	417	428
145	507	495	490	473	466	464	457	450	451	455	471	472	467	458	431	394	385	427	443
150	541	526	521	513	501	496	500	499	494	494	500	498	491	466	430	416	446	461	471
155	586	566	563	562	553	542	533	535	538	536	530	521	507	488	464	446	454	474	485
160	614	603	593	589	587	585	577	571	565	559	549	532	510	490	480	489	499	506	513
165	637	629	622	616	609	601	592	581	571	562	551	540	529	518	511	510	516	521	526
170	624	620	616	612	607	602	593	582	572	563	555	549	546	545	545	546	548	551	554
175	599	596	594	591	589	586	583	581	578	576	573	572	570	569	569	568	568	568	569
180	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

V(B) Range:-180 - 180DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm																		
NAME: L-ASF04-U/D-50W									TYPE:White					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:1.2*0.7					Shielding Angle:				

Table--3

UNIT: cd

γ (DEG) \ C (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529
5	1469	1470	1472	1473	1475	1478	1480	1483	1486	1489	1493	1497	1501	1505	1509	1514	1519	1514	1509
10	1407	1408	1409	1412	1415	1419	1423	1429	1435	1443	1451	1456	1462	1468	1475	1483	1490	1483	1475
15	1347	1349	1351	1353	1355	1357	1359	1362	1366	1375	1386	1398	1412	1420	1428	1437	1447	1437	1428
20	1283	1284	1285	1287	1290	1295	1300	1305	1306	1307	1309	1322	1340	1361	1371	1379	1390	1379	1370
25	1224	1225	1225	1224	1222	1219	1218	1225	1234	1246	1245	1244	1254	1279	1303	1309	1318	1309	1303
30	1159	1158	1157	1157	1158	1161	1157	1151	1144	1152	1167	1172	1167	1183	1217	1229	1235	1228	1216
35	1100	1099	1096	1090	1083	1075	1076	1080	1080	1067	1062	1082	1089	1080	1116	1141	1143	1140	1114
40	1035	1032	1029	1026	1023	1018	1004	987	985	994	982	968	996	993	1005	1046	1042	1045	1002
45	977	974	968	958	945	933	929	928	907	882	894	886	874	906	884	946	932	944	880
50	869	870	871	874	879	876	854	828	823	818	783	790	776	784	783	824	817	821	778
55	764	765	764	761	757	754	761	771	740	709	714	676	686	654	688	697	700	694	682
60	652	652	652	652	653	655	646	633	636	649	602	599	560	576	570	567	581	563	562
65	547	547	545	542	537	530	529	531	529	510	519	498	486	450	436	442	460	437	426
70	436	435	434	433	432	431	428	417	403	406	407	387	392	378	363	354	345	347	350
75	330	330	328	326	323	318	311	306	306	307	289	287	278	286	254	236	232	227	236
80	220	220	219	217	216	215	212	210	207	198	187	188	180	183	179	150	122	135	156
85	113	113	113	112	112	111	109	106	103	99.7	95.3	94.6	94.7	81.1	77.3	73.3	24.8	50.9	60.8
90	5.07	5.16	5.40	5.79	6.27	6.74	7.16	7.52	7.81	8.07	8.29	8.45	8.57	8.63	8.71	8.77	0.00	4.02	4.04
95	50.2	50.3	50.2	50.0	49.7	49.1	48.3	47.1	45.5	43.4	40.8	39.5	37.6	27.6	17.0	3.91	3.90	10.2	23.2
100	94.9	94.6	94.2	93.6	92.7	91.7	90.5	89.1	87.0	81.9	75.7	74.2	67.5	63.7	52.6	42.1	36.9	50.9	66.4
105	141	141	140	139	137	134	131	128	126	125	116	112	105	103	91.8	87.5	93.2	94.1	102
110	185	185	184	183	182	181	179	173	166	165	163	152	152	148	143	143	144	148	152
115	231	231	230	229	226	221	220	220	217	207	209	199	195	181	178	184	196	188	185
120	275	275	275	275	274	274	269	262	262	265	246	246	230	239	239	240	249	243	245
125	321	322	322	320	317	315	316	319	306	294	297	281	287	275	292	298	302	301	298
130	365	366	367	368	369	367	357	346	344	343	328	333	328	333	334	354	354	357	340
135	410	409	407	404	399	393	392	391	383	372	379	376	372	387	379	407	404	411	384
140	433	434	434	434	434	432	426	419	419	423	419	413	427	426	433	452	453	455	438
145	455	460	462	462	461	458	459	462	462	456	455	465	468	465	482	494	498	498	488
150	481	484	487	490	492	495	496	494	491	495	502	505	504	511	527	533	539	538	533
155	495	505	511	515	519	520	522	526	531	537	537	537	542	554	565	568	577	574	572
160	522	529	534	538	542	547	552	556	560	562	565	571	580	589	594	599	608	604	600
165	532	539	548	556	562	568	572	577	581	586	591	597	604	609	614	619	627	622	618
170	559	564	569	574	578	582	586	590	594	599	603	608	612	617	622	627	641	638	635
175	570	572	574	576	579	582	586	590	594	598	602	606	609	613	616	619	656	654	653
180	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	668	668	668

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

$V(B)$ Range:-180 - 180DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.10V I:0.3980A P:48.200W PF:0.9910 Freq:50.00Hz Lamp Flux:5710.46x1 lm																	
NAME: L-ASF04-U/D-50W									TYPE:White						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:1.2*0.7						Shielding Angle:		

Table--4

UNIT: cd

γ (DEG) \ C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529	1529				
5	1505	1501	1497	1493	1490	1486	1483	1480	1478	1476	1474	1472	1470	1469	1468				
10	1468	1462	1456	1451	1443	1435	1429	1423	1419	1415	1412	1410	1408	1407	1407				
15	1420	1412	1398	1385	1374	1365	1361	1359	1357	1355	1353	1351	1350	1348	1346				
20	1360	1339	1321	1308	1306	1305	1304	1300	1294	1290	1287	1285	1284	1284	1284				
25	1278	1252	1242	1243	1244	1233	1223	1216	1218	1221	1223	1225	1225	1225	1224				
30	1181	1165	1170	1164	1149	1140	1148	1155	1159	1157	1156	1157	1158	1160	1161				
35	1077	1086	1079	1058	1063	1076	1076	1072	1072	1081	1089	1095	1099	1101	1102				
40	989	991	963	977	988	979	981	999	1014	1020	1023	1027	1032	1035	1038				
45	901	868	878	886	874	899	920	922	927	940	954	966	973	977	979				
50	777	768	780	772	807	813	818	845	868	874	870	869	868	868	869				
55	645	675	663	701	696	727	759	751	745	750	756	761	763	763	762				
60	565	546	584	585	633	622	621	637	647	647	647	648	649	651	652				
65	435	469	479	501	493	515	520	519	522	530	537	541	544	545	545				
70	360	371	367	390	391	390	406	419	424	425	427	430	432	434	435				
75	263	258	270	274	294	295	296	303	311	317	321	325	327	328	328				
80	163	165	175	175	188	198	202	205	208	211	213	215	216	218	218				
85	68.5	84.2	85.4	87.0	92.1	96.4	100.0	103	105	107	108	109	110	110	110				
90	4.04	4.03	3.97	3.84	3.64	3.42	3.14	2.82	2.44	2.13	1.96	1.87	1.85	1.77	1.70				
95	30.7	38.9	39.8	40.6	42.9	44.8	46.3	47.4	48.4	49.2	50.0	50.7	51.2	51.6	51.8				
100	72.7	74.1	79.2	79.7	85.4	90.0	91.9	93.2	94.5	95.7	97.1	98.3	99.5	101	101				
105	117	116	122	124	133	133	134	137	140	144	146	148	150	151	152				
110	159	166	165	175	176	176	183	189	191	192	194	196	198	200	201				
115	191	208	214	225	222	231	234	233	235	240	244	247	250	251	252				
120	248	241	260	261	284	279	279	286	292	293	294	295	297	299	301				
125	283	298	294	311	310	326	341	337	336	339	344	347	350	352	353				
130	340	337	344	342	359	362	365	380	392	396	396	397	398	400	402				
135	394	381	387	391	387	400	411	413	417	425	433	440	446	450	453				
140	433	435	423	431	438	435	437	447	455	459	461	464	468	472	475				
145	472	477	475	467	470	478	479	478	479	483	487	491	495	499	501				
150	519	512	516	514	508	506	510	513	514	513	514	515	517	520	523				
155	562	551	548	548	549	544	540	537	537	539	540	543	545	547	549				
160	595	587	579	574	572	571	570	568	566	565	565	566	567	569	571				
165	615	611	606	601	597	593	592	592	592	592	593	594	596	597	597				
170	633	631	629	628	625	622	620	619	618	617	617	617	618	618	619				
175	652	651	650	649	648	648	647	647	646	646	646	646	645	645	646				
180	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668				

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-29

V(B) Range:-180 - 180DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.407.13
 Humidity:50.0%
 Test Distance:6.770m [K=1.0000]
 Remarks: