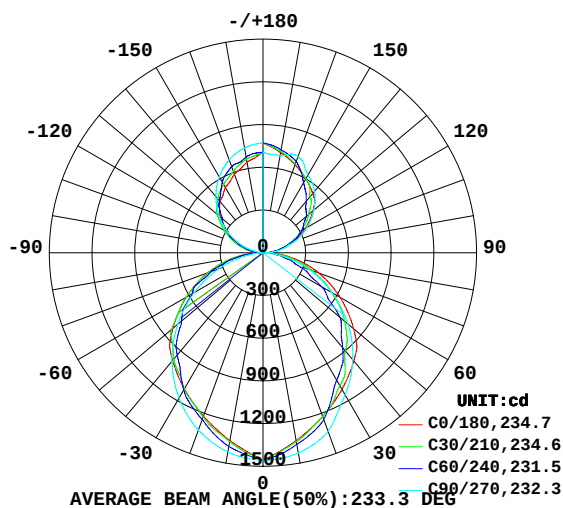


LUMINAIRE PHOTOMETRIC TEST REPORT

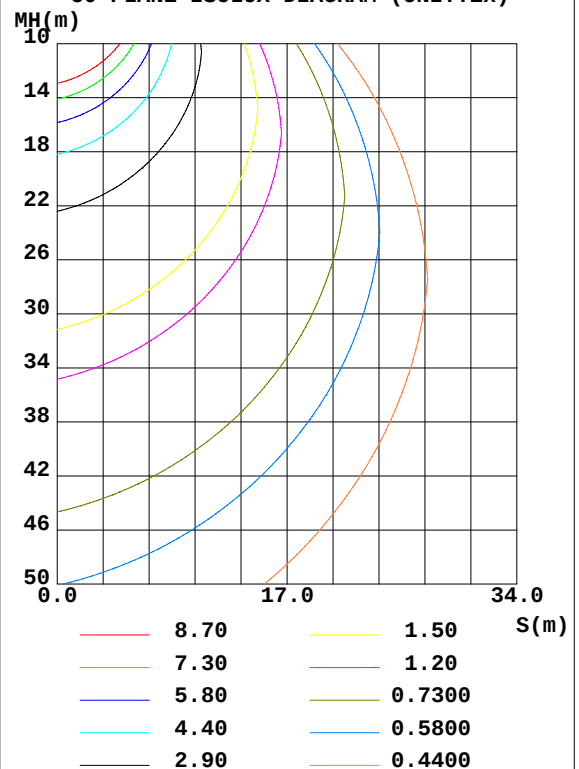
Test:U:122.10V I:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:White	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.62 lm/W			
MODEL	5000K	Imax(cd)	1456	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)	5777.5	η UP, DN(C0-180)	17.4, 31.6
NOMINAL FLUX(lm)	5777.53	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	17.3, 33.6
LAMPS INSIDE	1	η up(%)	34.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.2	η down(%)	65.2	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:

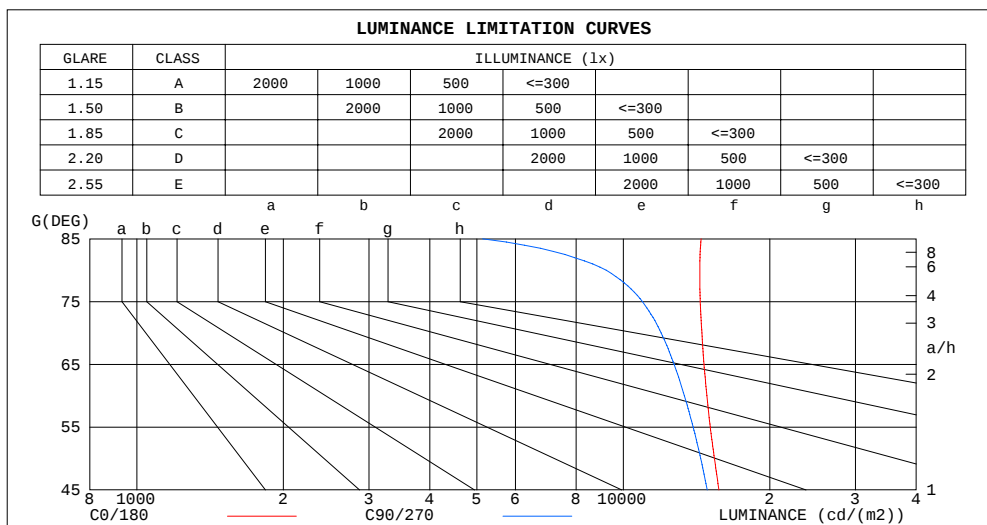
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1340	1356	1428	1355	1339	1361	1420	1361	0- 10	133.5	133.5	2.31, 2.31
20	1224	1219	1335	1221	1222	1243	1325	1244	10- 20	369.1	502.6	8.7, 8.7
30	1109	1048	1153	1041	1105	1097	1178	1097	20- 30	540.0	1043	18, 18
40	992.7	887.9	980.9	875.6	987.8	941.3	994.8	938.4	30- 40	637.4	1680	29.1, 29.1
50	831.2	741.2	778.9	728.9	826.4	789.1	780.4	782.4	40- 50	661.8	2342	40.5, 40.5
60	624.0	558.9	560.4	549.5	620.5	604.1	555.5	595.0	50- 60	596.7	2938	50.9, 50.9
70	416.7	351.5	343.6	349.6	414.7	397.5	329.6	389.2	60- 70	458.1	3397	58.8, 58.8
80	209.5	159.6	134.5	168.2	208.8	200.6	117.7	194.6	70- 80	279.8	3676	63.6, 63.6
90	2.297	2.071	0.8500	1.787	2.967	7.308	0	4.151	80- 90	92.43	3769	65.2, 65.2
100	116.3	102.1	125.7	97.05	100.4	100.8	40.50	104.9	90-100	52.73	3822	66.1, 66.1
110	230.4	207.1	240.0	193.9	197.8	196.8	162.0	207.9	100-110	154.6	3976	68.8, 68.8
120	344.4	313.7	357.5	294.2	295.3	298.7	282.5	316.9	110-120	250.1	4226	73.1, 73.1
130	458.4	406.6	466.4	399.6	392.7	394.3	402.0	415.1	120-130	321.2	4547	78.7, 78.7
140	543.9	489.8	563.3	473.1	470.8	478.1	514.5	496.9	130-140	351.7	4899	84.8, 84.8
150	600.9	583.8	632.8	559.6	529.7	562.6	613.7	580.8	140-150	336.5	5236	90.6, 90.6
160	657.8	667.6	719.1	629.5	588.5	619.7	694.0	658.9	150-160	283.7	5519	95.5, 95.5
170	714.7	727.4	691.6	650.0	647.3	674.4	747.3	721.0	160-170	190.3	5710	98.8, 98.8
180	771.7	771.7	706.2	706.2	706.2	706.2	771.7	771.7	170-180	67.88	5778	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

$H(\beta)$ 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:

LUMINANCE LIMITATION CURVES

Test:U:122.10V I:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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	14458	5138
80	14364	9222
75	14393	10941
70	14505	11959
65	14647	12714
60	14856	13344
55	15090	13914
50	15394	14425
45	15726	14880

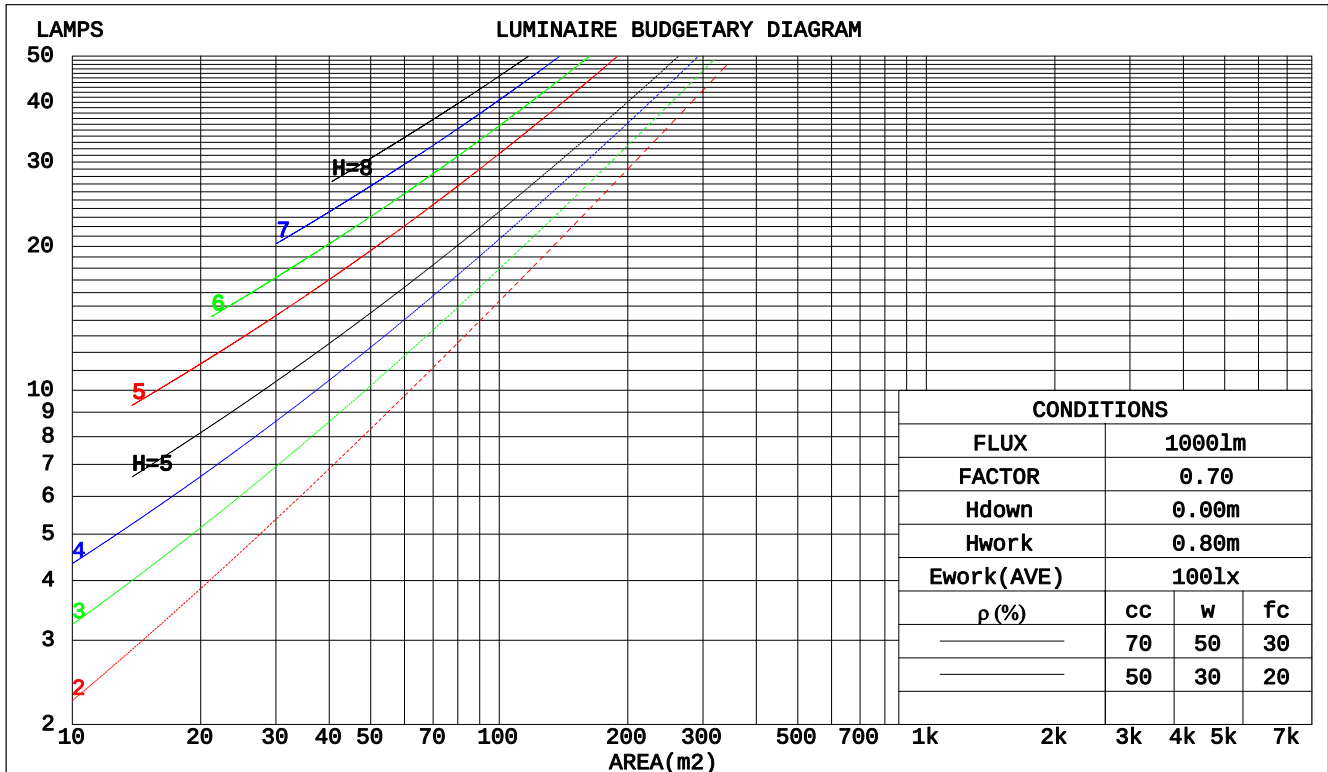
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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	1.11	1.11	1.11	1.04	1.04	1.04	.92	.92	.92	.80	.80	.80	.70	.70	.70	.65
1.0	.96	.92	.88	.91	.87	.84	.80	.77	.75	.70	.68	.66	.61	.60	.59	.54
2.0	.84	.77	.72	.79	.73	.68	.70	.65	.62	.62	.58	.55	.54	.51	.49	.45
3.0	.74	.66	.60	.69	.62	.57	.62	.56	.52	.54	.50	.46	.48	.44	.41	.38
4.0	.65	.57	.50	.61	.54	.48	.55	.49	.44	.48	.44	.40	.42	.39	.36	.32
5.0	.58	.49	.43	.55	.47	.41	.49	.43	.38	.43	.38	.34	.38	.34	.31	.28
6.0	.52	.44	.38	.49	.42	.36	.44	.38	.33	.39	.34	.30	.35	.30	.27	.25
7.0	.47	.39	.33	.45	.37	.32	.40	.34	.29	.36	.30	.27	.32	.27	.24	.22
8.0	.43	.35	.29	.41	.33	.28	.36	.30	.26	.33	.27	.24	.29	.25	.22	.19
9.0	.39	.31	.26	.37	.30	.25	.33	.27	.23	.30	.25	.21	.27	.23	.20	.17
10.0	.36	.28	.24	.34	.27	.23	.31	.25	.21	.28	.23	.19	.25	.21	.18	.16



$H(\beta)$ 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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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	.296	.168	.053	.278	.159	.050	.245	.141	.045	.215	.124	.040	.187	.109	.035	
2.0	.275	.151	.046	.259	.143	.044	.229	.127	.040	.201	.113	.035	.176	.100	.031	
3.0	.253	.135	.040	.239	.128	.038	.212	.115	.035	.186	.102	.031	.163	.090	.028	
4.0	.233	.121	.036	.220	.115	.034	.195	.104	.031	.172	.093	.028	.151	.082	.025	
5.0	.216	.110	.032	.204	.105	.030	.181	.094	.028	.160	.084	.025	.140	.075	.022	
6.0	.200	.100	.029	.189	.096	.028	.168	.086	.025	.149	.077	.023	.130	.069	.020	
7.0	.187	.092	.026	.176	.088	.025	.157	.079	.023	.139	.071	.021	.122	.063	.019	
8.0	.174	.085	.024	.165	.081	.023	.147	.073	.021	.130	.066	.019	.114	.059	.017	
9.0	.164	.079	.022	.155	.075	.021	.138	.068	.019	.122	.061	.018	.108	.055	.016	
10.0	.154	.074	.020	.146	.070	.020	.130	.064	.018	.116	.057	.016	.102	.051	.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	.455	.455	.455	.389	.389	.389	.266	.266	.266	.153	.153	.153	.049	.049	.049	
1.0	.446	.423	.403	.382	.363	.346	.261	.250	.240	.150	.145	.139	.048	.047	.045	
2.0	.439	.401	.369	.376	.345	.319	.258	.239	.222	.149	.139	.130	.048	.045	.042	
3.0	.432	.385	.347	.370	.332	.301	.254	.230	.211	.147	.135	.124	.047	.044	.041	
4.0	.424	.372	.332	.364	.322	.289	.250	.224	.203	.145	.131	.120	.047	.043	.040	
5.0	.418	.362	.322	.359	.314	.280	.247	.219	.198	.143	.129	.117	.046	.042	.039	
6.0	.411	.355	.314	.353	.307	.274	.244	.215	.194	.141	.127	.115	.046	.041	.038	
7.0	.405	.348	.309	.348	.302	.269	.241	.212	.191	.140	.125	.114	.045	.041	.038	
8.0	.399	.343	.305	.343	.298	.266	.238	.209	.188	.138	.123	.112	.045	.040	.037	
9.0	.393	.338	.301	.339	.294	.263	.235	.206	.187	.137	.122	.111	.044	.040	.037	
10.0	.388	.334	.299	.334	.290	.261	.232	.204	.185	.135	.121	.111	.044	.040	.037	

$H(\beta)$ 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:

UGR(Unified Glare Rating) Table

Test:U:122.10V I:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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	20.1	21.2	20.8	21.9	22.8	18.8	19.9	19.5	20.6	21.5
	3H	21.8	22.8	22.5	23.5	24.4	19.9	20.9	20.7	21.6	22.5
	4H	22.6	23.5	23.3	24.2	25.1	20.3	21.2	21.1	22.0	22.9
	6H	23.2	24.0	23.9	24.8	25.7	20.6	21.4	21.3	22.2	23.1
	8H	23.4	24.2	24.2	25.0	25.9	20.6	21.4	21.4	22.2	23.1
	12H	23.6	24.3	24.3	25.1	26.1	20.6	21.4	21.4	22.1	23.1
4H	2H	20.5	21.4	21.2	22.2	23.1	19.5	20.4	20.2	21.1	22.0
	3H	22.3	23.1	23.1	23.9	24.9	20.6	21.4	21.4	22.2	23.2
	4H	23.2	23.9	24.0	24.7	25.7	21.1	21.8	21.9	22.6	23.6
	6H	24.0	24.6	24.8	25.4	26.4	21.4	22.0	22.2	22.8	23.8
	8H	24.3	24.8	25.1	25.7	26.7	21.4	22.0	22.2	22.8	23.9
	12H	24.5	25.0	25.3	25.9	26.9	21.4	21.9	22.2	22.8	23.8
8H	4H	23.3	23.9	24.1	24.7	25.7	21.4	22.0	22.3	22.9	23.9
	6H	24.2	24.7	25.1	25.6	26.6	21.8	22.3	22.7	23.2	24.3
	8H	24.6	25.1	25.5	25.9	27.0	22.0	22.4	22.8	23.3	24.4
	12H	25.0	25.3	25.9	26.2	27.3	22.0	22.3	22.9	23.2	24.4
12H	4H	23.2	23.8	24.1	24.6	25.7	21.5	22.0	22.3	22.9	23.9
	6H	24.2	24.6	25.1	25.5	26.6	22.0	22.4	22.9	23.3	24.4
	8H	24.7	25.0	25.6	25.9	27.1	22.1	22.5	23.0	23.4	24.5
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					+ 0.8 / - 0.8					

CIE Pub.117, 5778 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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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:

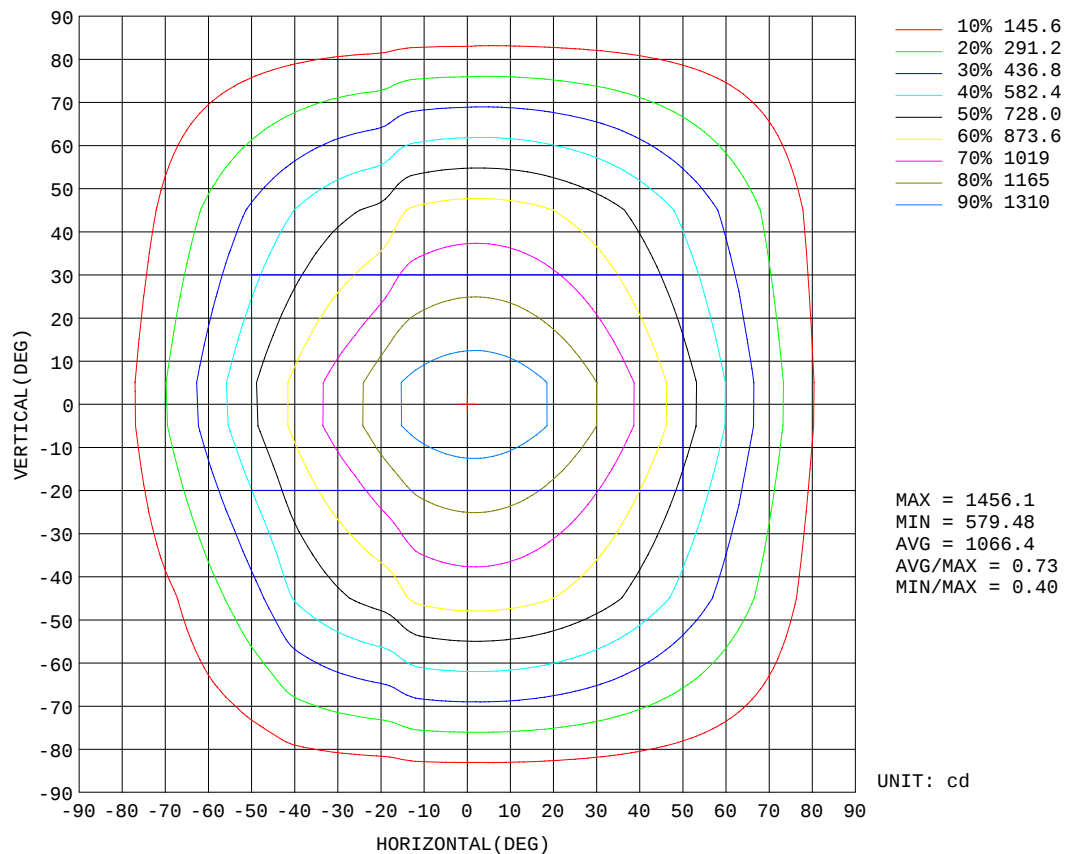
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	37	30	46	36	30	43	34	28	21
0.80	58	46	39	55	44	38	50	42	36	27
1.00	65	54	47	62	52	45	57	50	43	32
1.25	72	61	54	69	59	52	62	54	49	37
1.50	78	67	60	73	64	58	66	59	53	40
2.00	85	75	68	80	72	66	72	65	60	45
2.50	89	80	74	84	77	71	75	69	65	48
3.00	92	85	79	87	81	75	77	73	68	51
4.00	97	90	85	91	86	81	81	77	73	54
5.00	99	94	89	93	89	85	83	79	76	56
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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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:

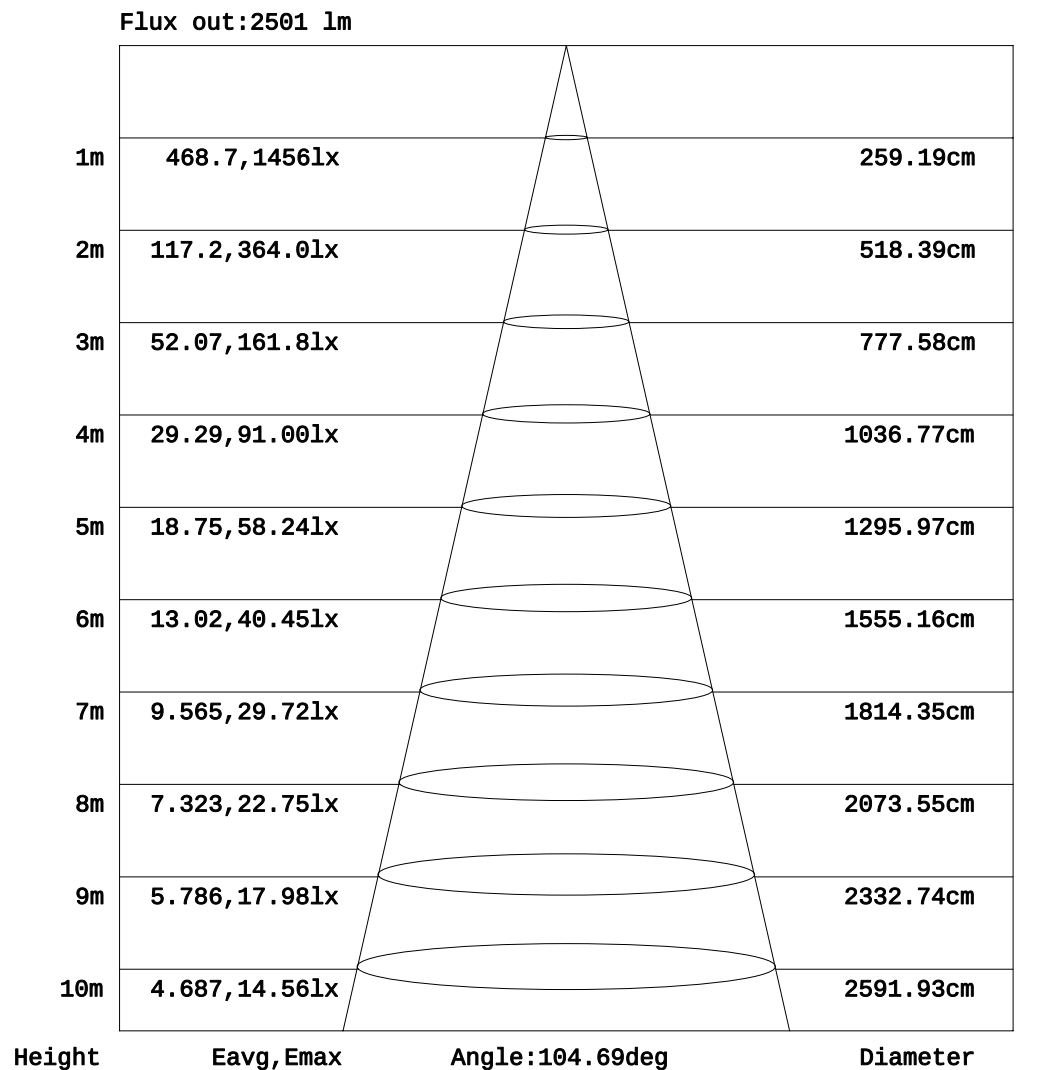


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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:



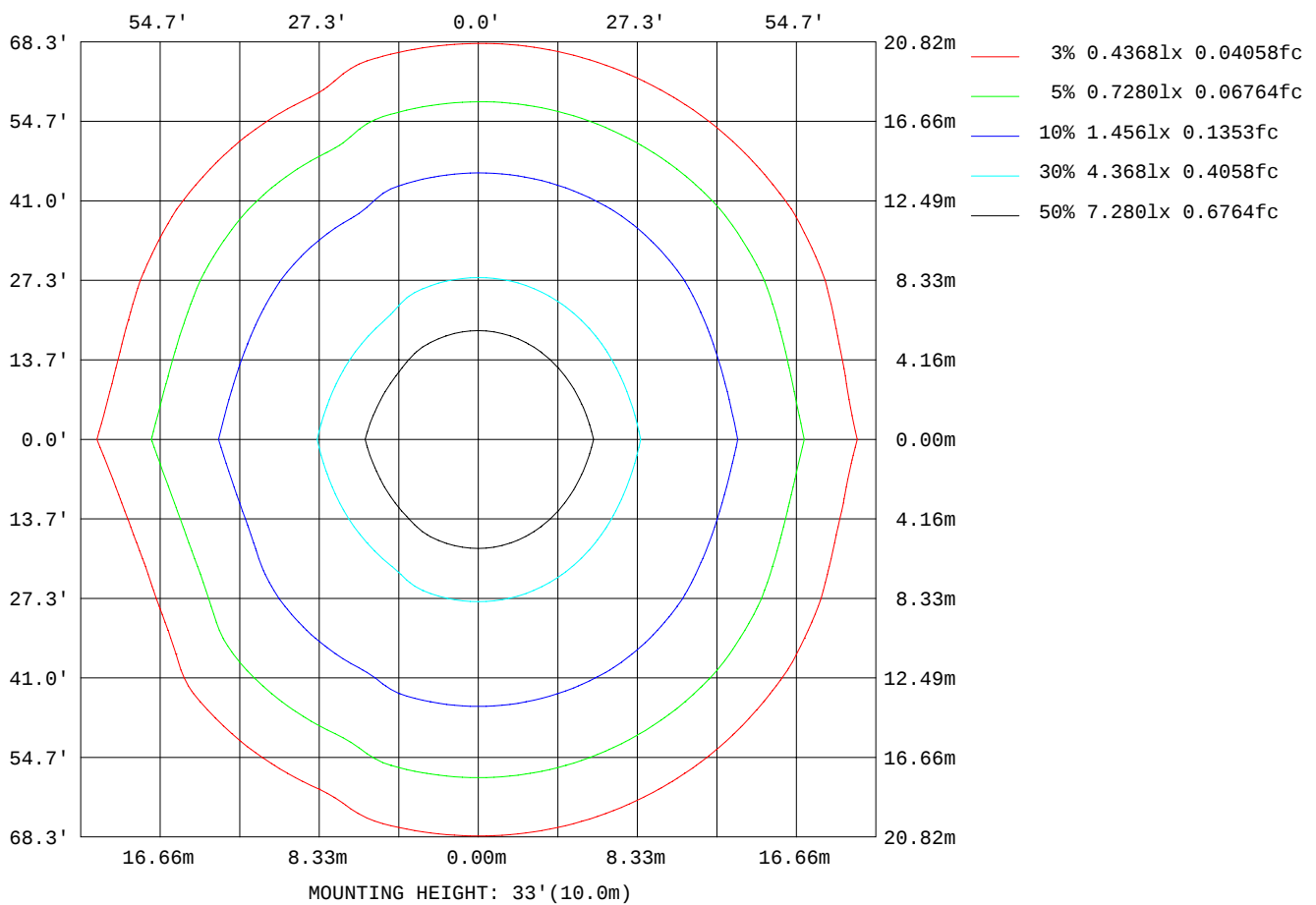
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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:

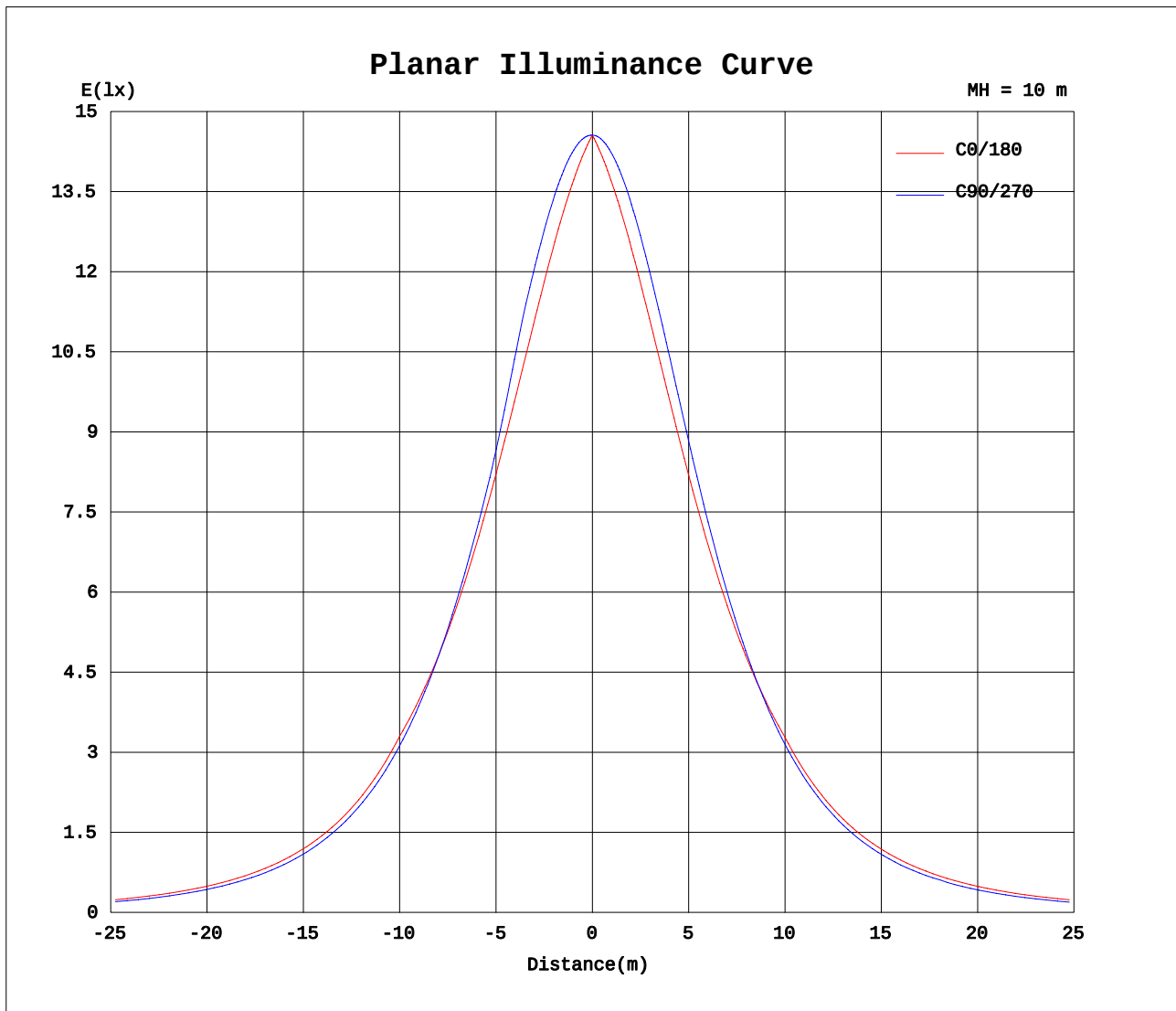
AvgL	cd/m2
L_0~180(65)av	14596
L_0~180(75)av	14333
L_0~180(85)av	14349
L_90~270(65)av	12556
L_90~270(75)av	10582
L_90~270(85)av	4231
L_45(65)av	13326
L_45(75)av	12661
L_45(85)av	12523

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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456
5	1398	1397	1397	1398	1399	1400	1401	1403	1406	1409	1412	1415	1419	1424	1428	1433	1438	1444	1449
10	1340	1340	1341	1342	1344	1346	1348	1350	1353	1356	1359	1363	1367	1375	1384	1394	1404	1416	1428
15	1282	1281	1280	1280	1281	1283	1286	1289	1294	1301	1307	1311	1314	1317	1321	1334	1351	1370	1390
20	1224	1225	1225	1225	1225	1224	1224	1223	1220	1219	1224	1234	1247	1250	1250	1252	1273	1303	1335
25	1166	1164	1162	1160	1160	1160	1160	1161	1158	1144	1132	1122	1137	1155	1164	1160	1165	1200	1239
30	1109	1108	1107	1105	1101	1096	1080	1053	1045	1048	1055	1046	1035	1043	1067	1078	1080	1110	1153
35	1050	1047	1043	1039	1035	1024	1006	987	968	953	947	958	967	958	968	1000	999	1019	1071
40	993	992	989	984	974	941	900	886	886	888	879	864	872	887	871	894	914	920	981
45	934	930	925	918	898	858	834	826	812	796	796	802	779	780	794	772	823	807	884
50	831	831	830	827	805	758	749	747	743	741	717	696	704	667	666	666	693	703	779
55	727	724	721	716	684	658	660	663	657	645	639	629	558	564	536	571	561	600	670
60	624	624	622	618	584	560	557	553	555	559	544	481	474	434	449	431	454	500	560
65	520	518	515	505	473	465	467	468	461	447	413	396	355	342	325	346	366	397	451
70	417	416	415	410	380	372	370	364	357	351	329	287	259	258	232	222	234	269	344
75	313	312	310	299	279	278	277	276	273	262	224	195	190	172	158	138	154	179	238
80	210	209	209	205	189	187	185	182	177	160	140	131	124	105	92.7	79.5	69.2	78.3	135
85	106	106	105	100	93.3	93.0	93.1	91.7	89.5	82.4	73.2	66.6	61.3	51.8	41.6	41.0	28.2	10.6	37.6
90	2.30	2.51	3.14	2.86	1.17	1.30	1.88	2.40	1.89	2.07	1.82	1.79	1.87	2.09	2.02	1.90	1.81	1.71	0.85
95	59.4	60.3	60.3	59.8	53.7	52.1	52.0	52.1	52.2	52.6	52.9	52.9	52.2	50.6	48.7	52.9	49.4	38.5	67.6
100	116	117	118	118	111	104	102	102	102	102	102	103	103	100	101	100	102	97.0	126
105	174	175	175	175	162	155	153	154	154	156	155	152	155	154	157	155	151	156	181
110	230	232	233	234	226	208	203	202	202	207	212	210	207	215	210	196	191	198	240
115	288	289	290	290	279	261	258	257	258	258	260	270	269	266	252	259	264	273	301
120	344	346	348	349	346	317	308	304	309	314	319	318	319	306	312	299	306	325	358
125	402	403	404	405	404	380	368	365	362	361	362	362	362	348	353	346	360	372	413
130	458	461	463	465	466	444	419	411	407	407	397	390	396	389	392	392	403	411	466
135	516	517	517	515	513	504	478	461	446	434	435	439	428	430	438	433	454	450	517
140	544	546	547	546	545	540	515	495	493	490	478	469	473	481	472	483	493	496	563
145	573	574	574	574	573	573	571	563	542	531	520	523	524	516	521	537	537	546	603
150	601	602	604	604	604	603	602	595	586	584	586	583	570	570	582	584	580	597	633
155	630	631	631	632	632	633	635	637	639	636	629	622	630	641	647	646	646	667	684
160	658	659	660	662	663	664	664	665	666	668	672	677	683	686	686	688	698	711	719
165	687	688	688	689	690	691	693	696	699	702	706	708	711	713	716	723	731	739	718
170	715	715	716	718	719	720	722	724	725	727	730	732	734	738	743	748	753	758	692
175	744	744	745	745	746	747	748	749	750	752	753	755	757	759	762	764	767	769	694
180	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	706

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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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

C(°) γ (°)	C(°)																	
	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
0	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456
5	1444	1438	1433	1428	1423	1419	1415	1411	1408	1405	1403	1401	1399	1398	1397	1397	1397	1397
10	1416	1404	1393	1383	1374	1366	1362	1358	1355	1352	1349	1346	1344	1343	1341	1340	1339	1339
15	1370	1352	1335	1322	1317	1313	1309	1306	1299	1293	1288	1284	1281	1279	1278	1278	1279	1280
20	1302	1272	1251	1251	1252	1249	1236	1227	1221	1219	1220	1221	1222	1222	1222	1222	1222	1222
25	1199	1163	1157	1159	1150	1131	1116	1130	1147	1160	1160	1157	1156	1156	1157	1159	1161	1163
30	1109	1078	1075	1063	1038	1029	1037	1046	1041	1042	1058	1082	1092	1097	1101	1103	1104	1105
35	1018	997	997	964	953	960	950	938	942	957	990	1011	1025	1031	1034	1039	1042	1046
40	920	912	892	868	881	865	857	869	876	872	870	895	948	970	978	984	987	988
45	811	825	778	791	776	773	794	787	784	797	808	823	864	901	912	919	924	928
50	711	709	686	686	679	700	688	707	729	728	730	729	754	810	821	824	825	826
55	612	585	602	574	599	589	624	630	634	644	648	642	648	691	713	716	719	722
60	515	483	473	501	491	524	521	540	550	545	541	544	546	589	614	617	619	621
65	415	401	396	388	415	422	439	432	441	452	458	456	453	473	506	511	514	516
70	287	273	281	307	329	321	334	350	350	350	357	361	362	381	408	412	413	415
75	196	190	200	222	227	239	237	251	262	268	270	271	271	276	301	306	309	310
80	88.2	96.4	115	136	144	158	159	162	168	174	179	181	182	188	204	206	207	210
85	13.6	38.8	58.8	61.0	71.5	78.7	81.3	83.8	86.1	88.0	89.5	90.5	90.8	91.5	100	103	104	108
90	2.02	2.07	2.09	2.09	2.05	1.96	1.90	1.86	1.79	1.70	1.61	1.53	1.41	1.24	1.26	1.51	1.16	2.97
95	30.9	34.5	33.5	31.4	36.4	41.7	44.7	48.2	49.9	48.4	48.8	49.8	49.0	48.4	52.2	47.6	48.9	49.1
100	82.9	68.3	62.0	67.8	72.5	83.4	87.0	91.7	97.1	94.8	97.1	98.3	96.4	102	100	91.4	97.1	100
105	136	114	102	111	116	127	129	144	147	144	147	146	144	147	152	139	144	145
110	190	166	155	157	173	172	188	201	194	188	195	194	190	207	197	182	193	198
115	265	242	228	214	226	233	254	248	240	244	249	244	236	256	249	229	239	241
120	321	293	278	287	279	303	302	298	294	295	295	291	285	313	288	276	289	295
125	374	351	354	335	350	343	348	341	339	351	347	337	345	364	338	316	335	336
130	427	420	405	401	393	393	380	385	400	394	390	382	406	406	374	377	385	393
135	478	479	452	450	437	429	438	433	430	429	426	439	462	445	418	409	431	432
140	529	520	504	488	491	479	473	473	473	469	461	481	491	463	441	459	462	471
145	574	560	555	536	527	524	517	508	509	512	537	530	511	490	473	484	490	491
150	611	594	588	580	566	560	564	563	560	561	568	553	529	509	517	521	521	530
155	659	637	634	634	626	614	604	610	610	597	581	564	549	540	544	549	549	550
160	703	689	678	674	669	660	650	640	629	615	597	582	578	581	581	580	581	588
165	711	703	696	688	675	662	647	633	624	619	614	611	610	611	609	608	608	610
170	687	682	677	672	666	660	655	652	650	648	646	643	641	640	640	641	644	647
175	692	689	687	684	682	680	678	676	674	672	670	669	668	667	667	667	668	669
180	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706

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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456
5	1398	1399	1401	1403	1405	1407	1410	1412	1415	1418	1422	1425	1429	1433	1437	1442	1446	1442	1437
10	1340	1341	1342	1344	1347	1351	1355	1361	1366	1373	1381	1387	1393	1399	1405	1413	1420	1413	1406
15	1283	1285	1286	1288	1290	1293	1295	1297	1301	1310	1320	1332	1346	1354	1361	1369	1379	1370	1361
20	1222	1222	1224	1226	1229	1233	1239	1243	1244	1246	1248	1260	1277	1297	1307	1315	1325	1315	1307
25	1166	1166	1166	1166	1164	1162	1161	1167	1176	1187	1186	1186	1195	1220	1243	1249	1257	1249	1243
30	1104	1103	1102	1102	1103	1106	1103	1097	1090	1098	1113	1118	1114	1129	1162	1173	1178	1172	1161
35	1048	1047	1044	1039	1032	1024	1025	1029	1030	1018	1013	1033	1039	1030	1065	1089	1090	1088	1064
40	986	983	980	977	974	970	957	941	940	948	937	923	950	948	959	999	995	998	957
45	930	927	921	912	900	889	885	884	865	841	853	845	834	864	844	903	890	902	841
50	827	828	830	832	837	834	814	789	785	780	747	754	741	749	748	787	780	785	744
55	727	728	727	725	720	718	725	735	706	677	681	645	655	624	657	666	668	663	652
60	621	621	620	620	622	624	616	604	607	619	574	572	535	550	545	542	555	538	538
65	521	521	519	516	512	506	504	507	504	486	496	476	464	431	416	423	440	418	407
70	415	414	413	412	411	411	408	397	385	387	388	370	375	361	347	339	330	333	335
75	314	314	313	311	308	303	297	292	292	293	276	275	266	273	243	226	222	217	227
80	210	209	208	207	206	205	203	201	198	189	179	180	173	175	172	144	118	130	150
85	108	108	108	107	107	106	104	101	98.7	95.3	91.2	90.6	90.7	77.8	74.3	70.7	24.3	49.5	59.0
90	5.04	5.10	5.33	5.68	6.09	6.53	6.96	7.31	7.60	7.85	8.08	8.24	8.38	8.47	8.59	8.70	0.00	4.60	4.69
95	56.8	56.8	56.6	56.3	55.9	55.1	54.1	52.7	50.8	48.4	45.5	44.0	42.2	30.6	18.8	4.41	2.73	11.3	26.3
100	108	108	107	106	105	104	102	101	98.3	92.7	85.6	83.9	76.8	72.2	59.8	47.9	40.5	57.1	75.2
105	160	160	159	158	156	152	148	145	144	143	131	128	119	119	105	99.6	104	106	115
110	211	211	210	209	207	206	204	197	189	188	186	173	173	168	164	163	162	167	172
115	264	264	263	261	257	252	251	251	248	236	238	227	223	206	202	209	222	213	209
120	314	314	314	313	313	312	306	299	299	303	280	280	262	272	271	272	282	276	278
125	368	368	368	366	362	359	361	364	350	335	338	320	327	313	332	339	343	342	338
130	418	418	419	420	422	419	408	394	393	391	374	379	374	379	381	403	402	406	386
135	469	468	465	462	455	449	447	446	436	425	431	428	423	440	431	463	460	467	436
140	496	494	493	494	495	493	486	478	477	482	477	471	486	485	492	514	515	518	498
145	525	524	522	523	525	523	524	526	527	520	518	529	533	530	549	562	566	566	555
150	552	551	549	550	554	561	565	563	559	564	572	575	573	582	600	606	614	612	607
155	576	582	581	579	580	586	593	598	605	612	612	612	617	630	643	647	657	653	651
160	607	609	609	608	609	610	614	620	629	637	644	650	660	671	677	682	694	690	687
165	623	632	638	640	641	640	639	640	644	650	656	662	668	677	686	696	724	720	716
170	657	660	663	666	668	670	672	674	677	680	684	685	686	688	690	693	747	744	741
175	673	675	678	681	684	687	690	693	696	699	701	704	706	709	711	714	763	761	759
180	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706	772	772	772

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:0.3950A P:47.900W PF:0.9910 Freq:50.00Hz Lamp Flux:5777.53x1 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	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456				
5	1433	1429	1426	1422	1419	1416	1413	1410	1408	1405	1403	1401	1400	1399	1398				
10	1399	1393	1387	1382	1374	1367	1361	1356	1352	1348	1345	1343	1342	1341	1340				
15	1354	1346	1332	1321	1310	1302	1298	1296	1294	1292	1290	1288	1286	1285	1283				
20	1297	1277	1260	1248	1246	1245	1244	1240	1234	1230	1227	1225	1224	1224	1224				
25	1220	1195	1186	1186	1187	1176	1167	1161	1163	1165	1167	1168	1169	1169	1167				
30	1128	1113	1117	1112	1097	1089	1097	1103	1107	1105	1104	1104	1105	1107	1108				
35	1029	1037	1030	1011	1016	1028	1029	1025	1024	1033	1041	1046	1050	1052	1052				
40	945	947	920	933	945	936	938	955	970	975	978	982	986	989	992				
45	860	829	840	847	835	860	880	882	887	899	913	924	931	935	936				
50	743	734	746	739	773	778	782	809	831	836	833	831	831	831	831				
55	617	646	635	671	666	696	727	719	714	718	724	728	730	730	729				
60	540	522	559	560	606	596	595	610	619	620	620	621	622	623	624				
65	417	449	459	480	473	494	498	497	500	508	514	519	521	522	522				
70	345	355	352	374	375	374	389	402	406	408	410	412	414	416	417				
75	253	248	259	263	282	283	284	291	299	304	309	312	314	314	314				
80	157	158	168	169	181	190	195	198	201	203	205	207	208	209	210				
85	66.5	81.5	82.6	84.2	89.1	93.3	96.7	99.6	102	104	105	106	107	107	107				
90	4.75	4.79	4.80	4.74	4.57	4.37	4.15	3.92	3.67	3.50	3.45	3.45	3.42	3.34	3.26				
95	34.9	44.6	45.4	46.4	49.1	51.3	53.1	54.6	55.8	56.9	57.9	58.7	59.3	59.7	60.0				
100	82.5	84.6	90.1	90.8	97.4	103	105	106	108	110	111	113	114	115	116				
105	133	132	138	141	151	152	152	156	160	164	167	169	171	173	174				
110	180	188	187	199	200	200	208	215	217	219	221	223	225	227	229				
115	217	236	243	256	252	263	266	265	267	273	277	281	284	286	287				
120	281	274	295	297	323	317	317	325	331	333	334	336	338	340	342				
125	321	338	334	354	353	370	387	383	382	386	391	394	397	400	401				
130	387	384	391	388	408	412	415	431	445	450	450	450	452	454	456				
135	448	433	440	445	440	454	467	469	474	482	492	500	507	511	515				
140	492	495	481	490	498	494	497	508	518	523	526	530	534	538	541				
145	537	543	540	531	535	543	545	544	545	552	558	563	567	570	572				
150	590	583	587	585	578	575	581	586	590	590	591	592	594	596	599				
155	639	627	623	625	627	622	618	616	618	621	623	625	627	629	630				
160	682	672	664	658	658	658	659	658	656	654	654	654	654	655	656				
165	713	709	703	697	692	688	687	687	687	687	687	687	687	687	687				
170	738	735	733	731	727	724	721	719	717	716	714	714	714	714	714				
175	758	756	754	753	751	750	749	748	747	746	746	745	744	744	744				
180	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772				

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: