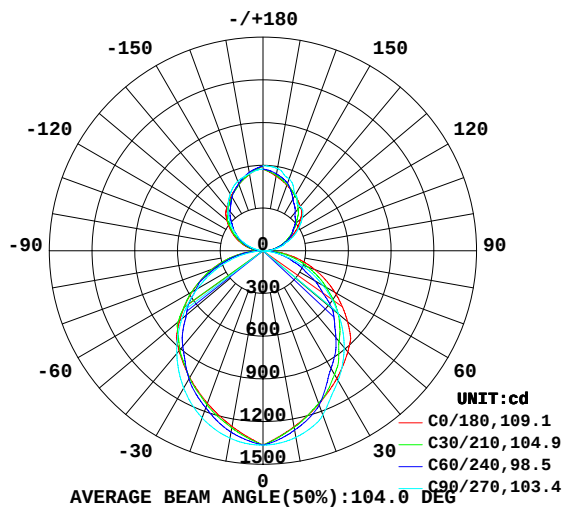


LUMINAIRE PHOTOMETRIC TEST REPORT

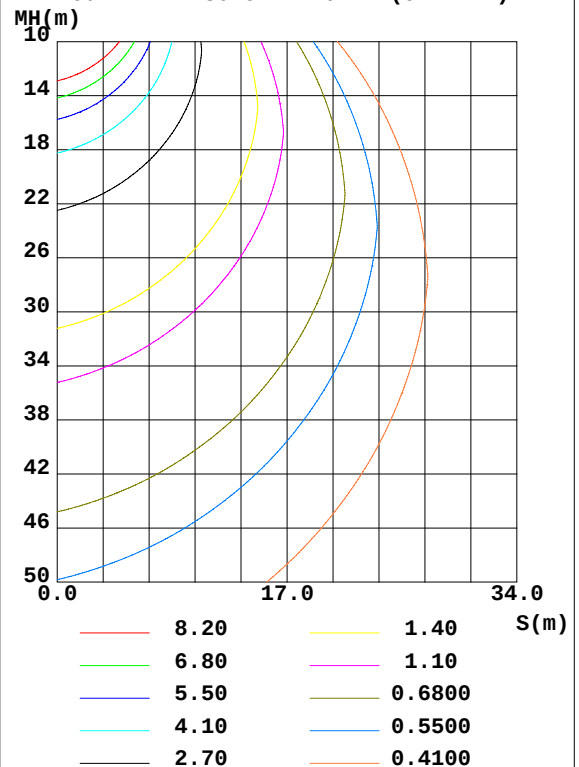
Test:U:122.10V I:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.65 lm/W			
MODEL	3500K	I _{max} (cd)	1365	S/MH(C0/180)	1.13
NOMINAL POWER(W)	50W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5007.7	η UP, DN(C0-180)	15.3, 33.3
NOMINAL FLUX(lm)	5007.68	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	15.1, 36.3
LAMPS INSIDE	1	η up(%)	30.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.2	η down(%)	69.6	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:

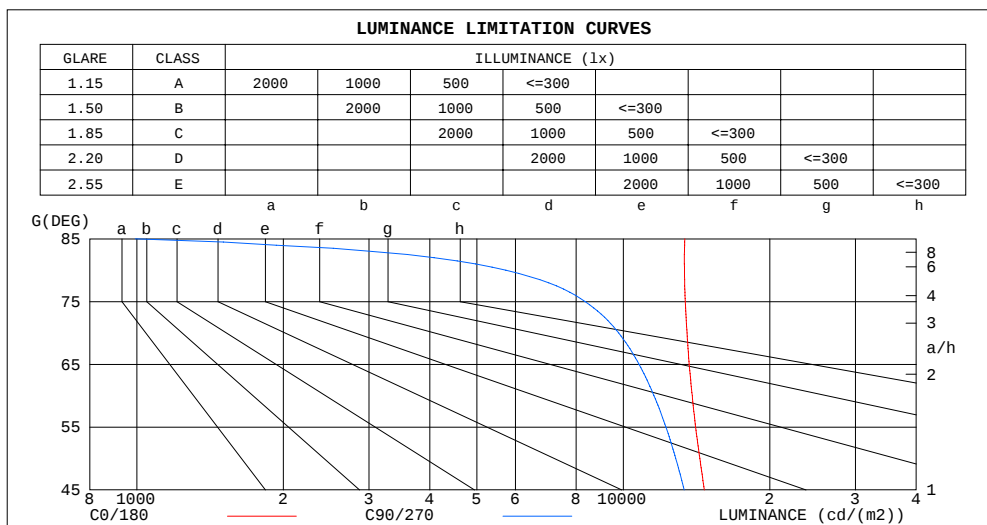
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1256	1267	1331	1265	1253	1276	1336	1277	0- 10	125.0	125.0	2.5, 2.5
20	1146	1138	1228	1136	1141	1163	1250	1164	10- 20	345.1	470.2	9.39, 9.39
30	1037	965.1	1055	954.4	1029	1028	1113	1029	20- 30	503.1	973.2	19.4, 19.4
40	927.2	811.0	887.1	797.3	916.9	884.4	941.8	883.7	30- 40	592.1	1565	31.3, 31.3
50	775.7	670.4	692.1	655.8	765.3	742.7	743.7	739.3	40- 50	612.4	2178	43.5, 43.5
60	582.0	502.3	485.6	489.3	574.2	568.3	531.0	562.6	50- 60	550.0	2728	54.5, 54.5
70	388.4	317.9	281.0	311.2	383.1	369.8	320.6	365.4	60- 70	420.2	3148	62.9, 62.9
80	194.8	147.0	83.63	149.8	192.0	182.9	121.2	180.7	70- 80	254.5	3402	67.9, 67.9
90	1.227	2.150	1.819	1.096	0.8608	1.692	1.270	2.542	80- 90	82.34	3485	69.6, 69.6
100	86.97	78.28	97.64	77.26	83.26	71.95	25.86	75.29	90-100	39.14	3524	70.4, 70.4
110	172.7	156.9	174.6	154.9	165.7	145.3	119.7	151.2	100-110	116.6	3640	72.7, 72.7
120	258.5	236.6	276.9	232.6	248.1	225.1	209.3	233.0	110-120	189.0	3829	76.5, 76.5
130	344.2	305.9	360.5	302.6	330.5	299.7	299.2	307.3	120-130	242.4	4072	81.3, 81.3
140	407.9	356.0	406.1	354.0	396.6	365.8	384.2	370.1	130-140	264.7	4337	86.6, 86.6
150	449.6	429.4	455.2	400.5	446.4	433.4	460.8	432.4	140-150	253.5	4590	91.7, 91.7
160	491.3	497.8	537.5	484.3	496.2	497.6	519.6	484.6	150-160	216.0	4806	96, 96
170	533.0	542.7	586.8	554.8	546.0	552.2	550.0	533.1	160-170	147.9	4954	98.9, 98.9
180	574.7	574.7	595.8	595.8	595.8	595.8	574.7	574.7	170-180	53.67	5008	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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	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	13380	992
80	13357	5733
75	13404	8345
70	13520	9780
65	13659	10774
60	13858	11562
55	14079	12234
50	14365	12817
45	14678	13337

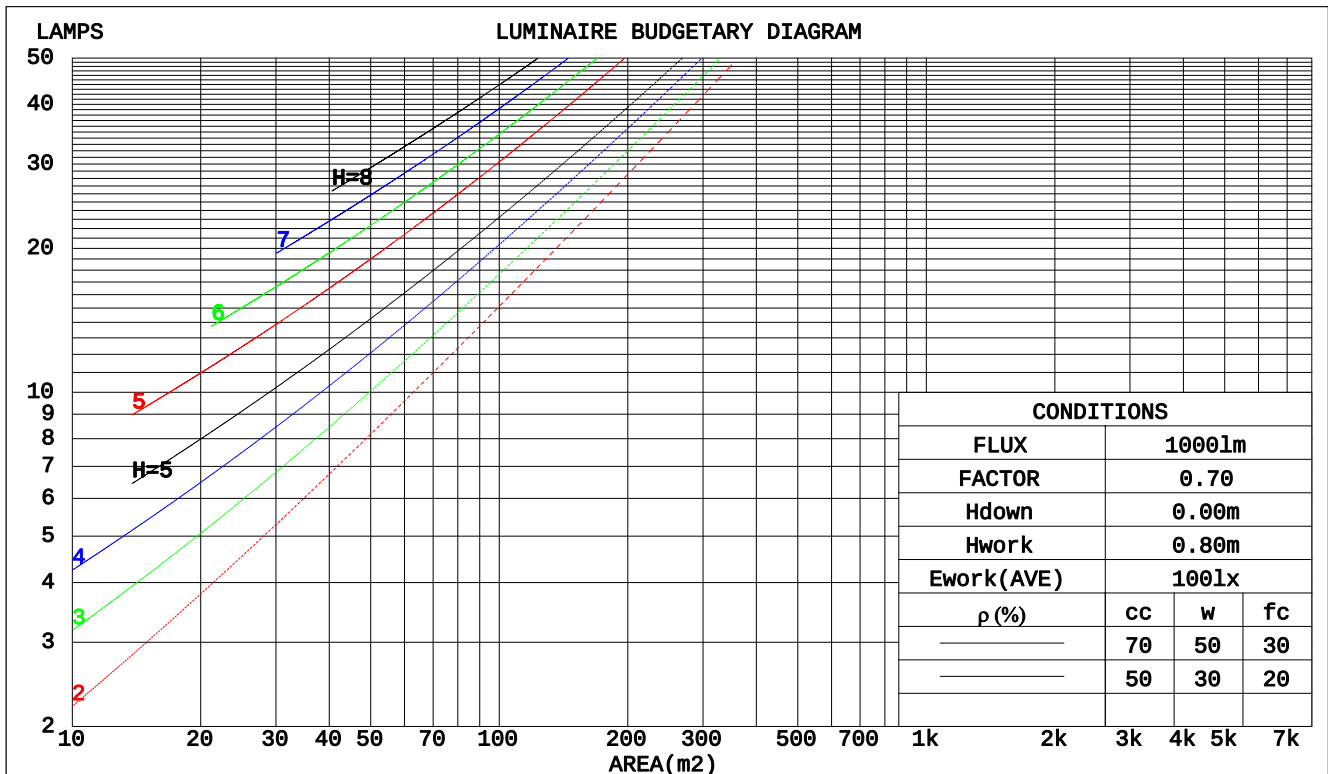
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	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						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.74	.74	.74	.70
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	.70	.72	.67	.63	.64	.61	.57	.57	.54	.52	.48
3.0	.74	.67	.60	.71	.64	.58	.63	.58	.53	.57	.52	.48	.50	.47	.44	.41
4.0	.66	.57	.51	.62	.55	.49	.56	.50	.45	.50	.45	.41	.45	.41	.38	.35
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	.36	.31	.37	.32	.29	.26
7.0	.48	.39	.34	.45	.38	.32	.41	.35	.30	.37	.32	.28	.33	.29	.26	.23
8.0	.43	.35	.30	.41	.34	.29	.38	.31	.27	.34	.29	.25	.31	.26	.23	.21
9.0	.40	.32	.27	.38	.31	.26	.35	.28	.24	.31	.26	.22	.28	.24	.21	.19
10.0	.37	.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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm								
NAME: L-ASF04-U&D-50W				TYPE:Black			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	.297	.169	.054	.281	.160	.051	.250	.144	.046	.222	.128	.041	.197	.114	.037	
2.0	.276	.151	.046	.262	.144	.044	.234	.130	.040	.209	.117	.037	.185	.105	.033	
3.0	.255	.136	.041	.241	.129	.039	.216	.117	.036	.193	.106	.032	.172	.095	.029	
4.0	.235	.122	.036	.223	.117	.034	.200	.106	.032	.179	.096	.029	.159	.086	.026	
5.0	.217	.111	.032	.206	.106	.031	.185	.096	.028	.166	.087	.026	.148	.079	.024	
6.0	.202	.101	.029	.191	.097	.028	.172	.088	.026	.154	.080	.024	.137	.072	.021	
7.0	.188	.093	.026	.178	.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	.121	.062	.018	
9.0	.165	.080	.022	.157	.076	.021	.141	.070	.020	.127	.064	.018	.114	.058	.017	
10.0	.155	.074	.021	.147	.071	.020	.133	.065	.018	.120	.060	.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	.422	.422	.422	.361	.361	.361	.246	.246	.246	.141	.141	.141	.045	.045	.045	
1.0	.413	.390	.369	.353	.335	.318	.242	.230	.220	.139	.133	.128	.045	.043	.041	
2.0	.405	.367	.335	.347	.316	.290	.238	.219	.202	.137	.127	.118	.044	.041	.039	
3.0	.398	.351	.313	.341	.302	.271	.234	.210	.190	.135	.123	.112	.043	.040	.037	
4.0	.391	.338	.298	.335	.292	.259	.231	.204	.182	.133	.119	.108	.043	.039	.035	
5.0	.384	.328	.287	.330	.284	.250	.227	.198	.177	.132	.117	.105	.042	.038	.035	
6.0	.377	.321	.280	.324	.278	.244	.224	.194	.172	.130	.114	.103	.042	.037	.034	
7.0	.371	.314	.274	.319	.272	.239	.220	.191	.169	.128	.112	.101	.041	.037	.033	
8.0	.365	.309	.270	.314	.268	.236	.217	.188	.167	.126	.111	.100	.041	.036	.033	
9.0	.359	.304	.267	.309	.264	.233	.214	.185	.165	.125	.110	.099	.040	.036	.033	
10.0	.354	.300	.264	.305	.261	.231	.212	.183	.164	.123	.108	.098	.040	.036	.032	

$H(\beta)$ 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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm											
NAME: L-ASF04-U&D-50W					TYPE:Black			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	21.3	20.8	21.9	22.7	18.6	19.8	19.3	20.4	21.2
	3H	21.8	22.9	22.5	23.5	24.4	19.6	20.6	20.3	21.3	22.1
	4H	22.6	23.6	23.3	24.3	25.1	19.9	20.9	20.6	21.6	22.4
	6H	23.2	24.1	23.9	24.8	25.7	20.0	20.9	20.8	21.6	22.5
	8H	23.4	24.3	24.2	25.0	25.9	20.0	20.9	20.7	21.6	22.5
	12H	23.6	24.4	24.4	25.2	26.1	19.9	20.8	20.7	21.5	22.4
4H	2H	20.5	21.4	21.2	22.1	23.0	19.3	20.2	20.0	20.9	21.8
	3H	22.4	23.2	23.1	23.9	24.8	20.4	21.2	21.1	21.9	22.8
	4H	23.2	24.0	24.0	24.7	25.6	20.7	21.5	21.5	22.2	23.2
	6H	24.0	24.7	24.8	25.4	26.4	20.9	21.6	21.7	22.3	23.3
	8H	24.3	24.9	25.1	25.7	26.7	20.9	21.5	21.7	22.3	23.3
	12H	24.5	25.1	25.4	25.9	26.9	20.8	21.4	21.6	22.2	23.2
8H	4H	23.3	23.9	24.1	24.7	25.7	21.1	21.8	21.9	22.5	23.5
	6H	24.3	24.8	25.1	25.6	26.6	21.5	22.0	22.3	22.8	23.8
	8H	24.7	25.1	25.5	26.0	27.0	21.5	22.0	22.4	22.8	23.8
	12H	25.0	25.4	25.9	26.3	27.3	21.5	21.9	22.4	22.7	23.8
12H	4H	23.3	23.8	24.1	24.6	25.6	21.2	21.8	22.0	22.6	23.5
	6H	24.3	24.7	25.1	25.5	26.6	21.6	22.0	22.4	22.9	23.9
	8H	24.7	25.1	25.6	26.0	27.0	21.7	22.1	22.6	23.0	24.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.3 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.5 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.7 / - 0.7					

CIE Pub.117, 5008 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.6$)
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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

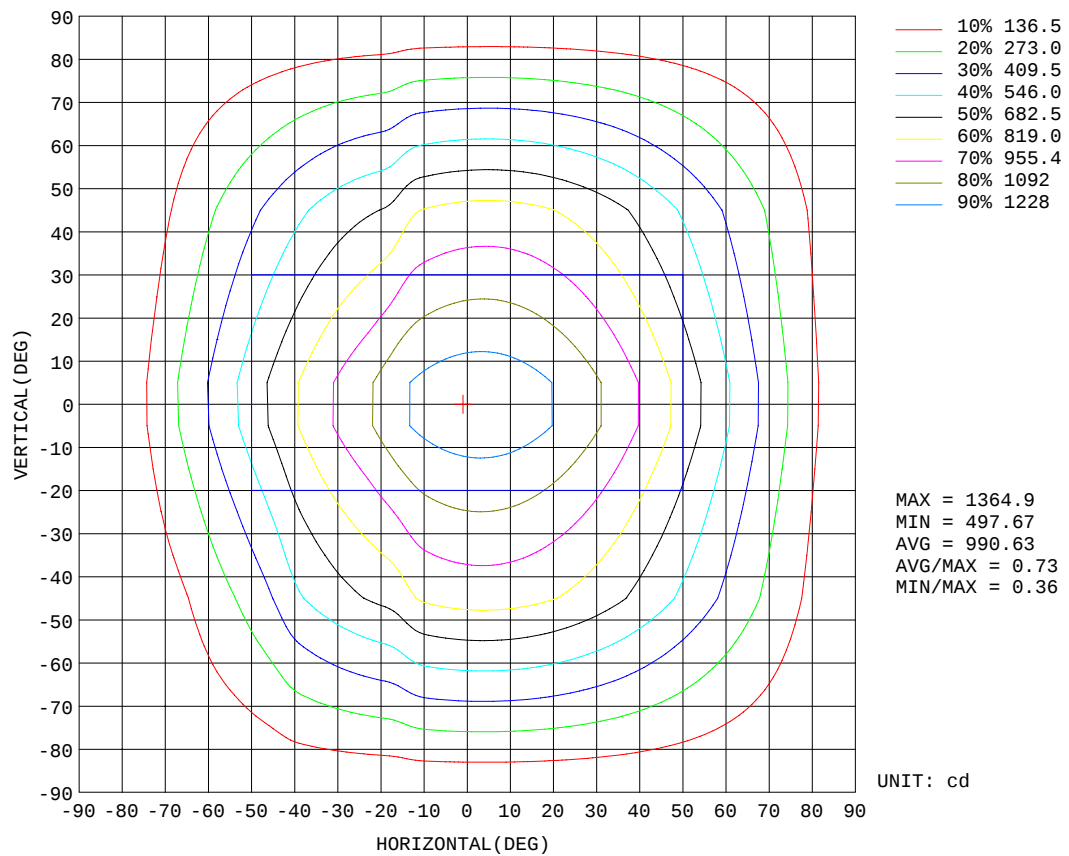
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	38	32	48	37	31	44	35	30	23
0.80	59	47	40	57	46	39	52	43	37	29
1.00	67	56	48	64	54	47	59	52	45	35
1.25	74	63	56	71	61	54	64	57	51	40
1.50	79	69	61	75	66	59	68	61	56	43
2.00	86	77	70	82	74	68	74	68	63	48
2.50	90	82	75	86	78	73	77	72	67	51
3.00	94	86	80	89	82	77	80	75	71	54
4.00	98	92	87	93	87	83	83	79	76	57
5.00	100	95	91	95	91	87	85	82	79	60
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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:



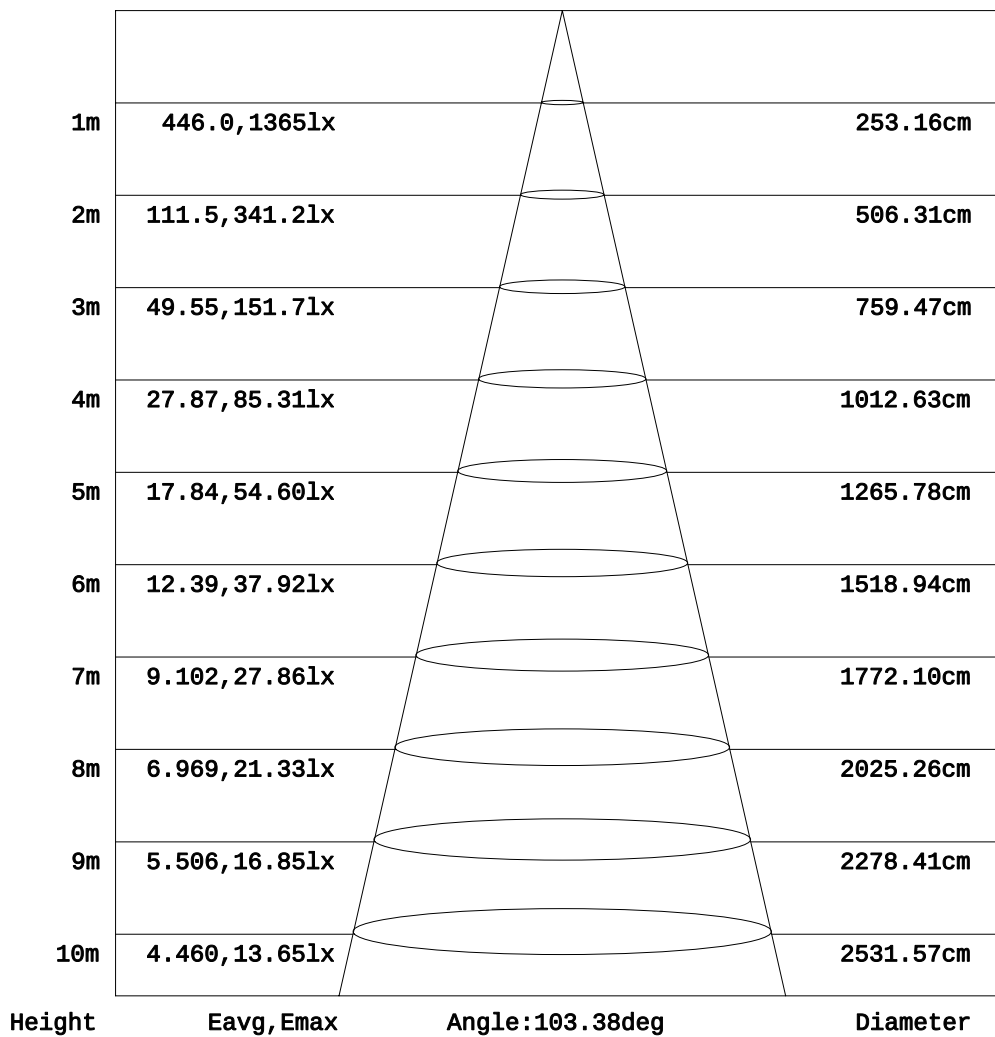
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-29

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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

Flux out:2295 lm



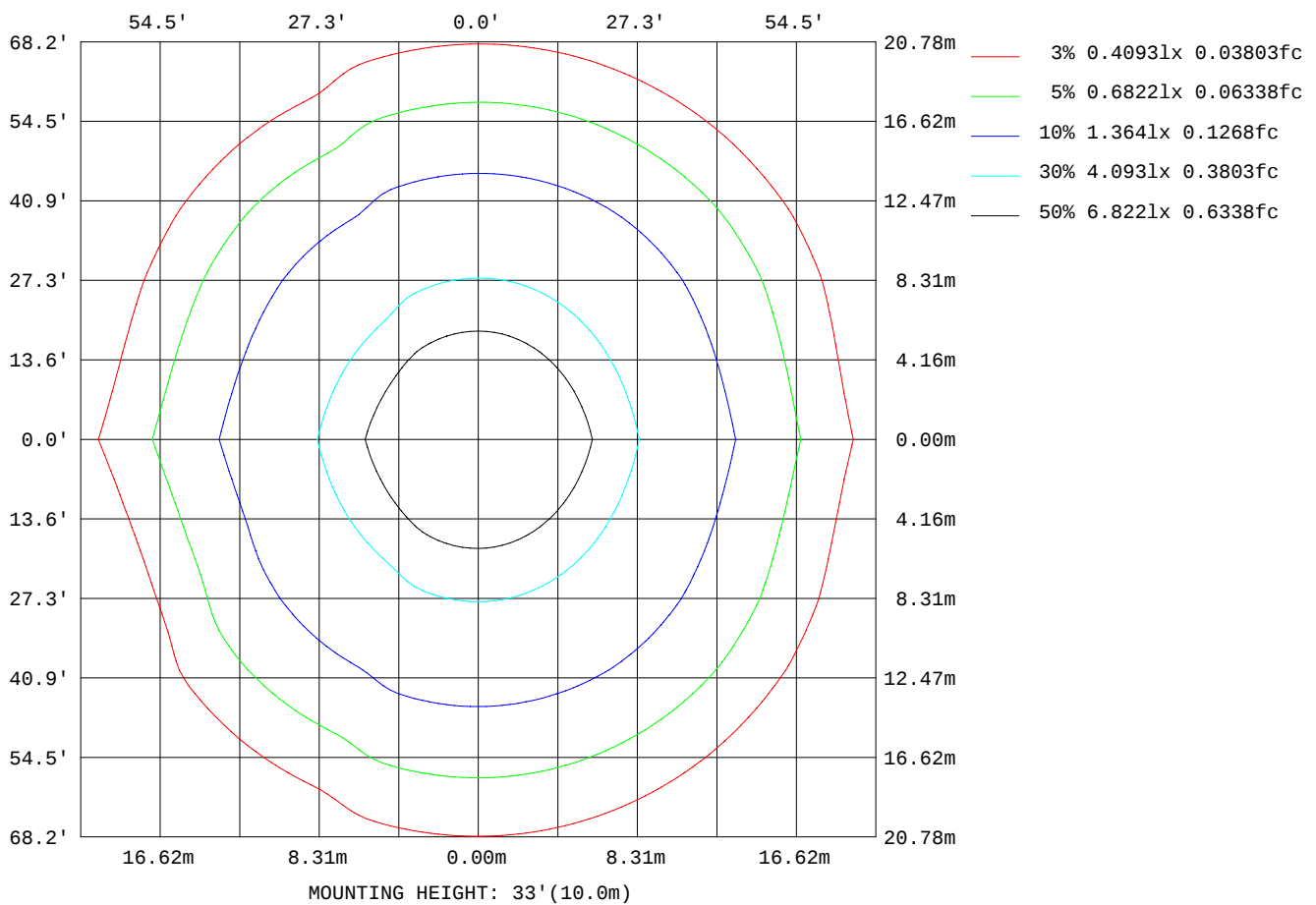
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Black	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:1.2*0.7	Shielding Angle:

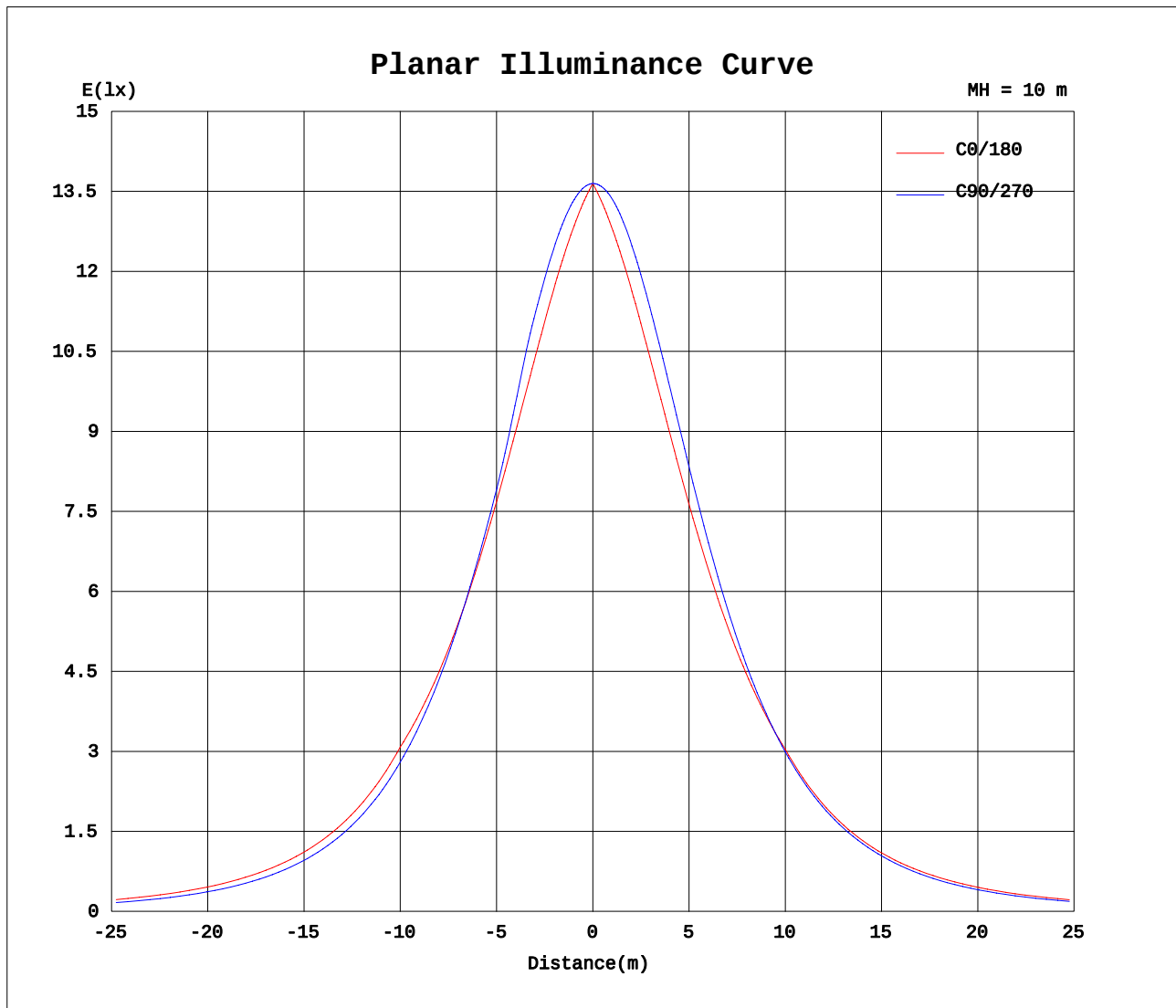
AvgL	cd/m2
L_0~180(65)av	13564
L_0~180(75)av	13307
L_0~180(85)av	13265
L_90~270(65)av	11369
L_90~270(75)av	9219
L_90~270(85)av	2526
L_45(65)av	12231
L_45(75)av	11576
L_45(85)av	11295

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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm																		
NAME: L-ASF04-U&D-50W									TYPE:Black					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	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365
5	1310	1309	1309	1310	1311	1312	1313	1315	1317	1319	1322	1325	1329	1332	1336	1341	1345	1350	1355
10	1256	1255	1256	1256	1257	1258	1260	1262	1264	1267	1271	1275	1279	1286	1293	1301	1310	1320	1331
15	1200	1199	1198	1198	1199	1199	1201	1204	1207	1212	1216	1220	1224	1229	1234	1245	1259	1274	1291
20	1146	1145	1145	1144	1143	1142	1141	1141	1139	1138	1140	1145	1153	1157	1160	1164	1181	1203	1228
25	1091	1089	1086	1084	1082	1081	1079	1076	1070	1059	1049	1042	1049	1059	1066	1069	1078	1103	1131
30	1037	1035	1033	1029	1025	1019	1005	982	969	965	965	959	956	963	979	990	998	1022	1055
35	981	978	974	969	964	951	927	905	890	878	874	879	884	881	889	910	917	937	974
40	927	925	920	914	904	871	832	818	813	811	804	795	797	805	800	815	832	845	887
45	872	868	862	854	834	789	764	755	744	731	727	725	711	710	716	708	738	740	792
50	776	774	771	767	743	696	689	686	678	670	652	635	633	608	600	601	621	638	692
55	678	675	672	666	632	603	604	603	598	589	578	563	511	501	484	503	505	537	589
60	582	580	577	572	535	514	512	507	504	502	491	441	418	390	393	386	403	438	486
65	485	482	479	470	435	427	426	424	416	405	379	348	316	300	288	297	311	337	382
70	388	387	385	378	348	341	338	332	325	318	290	255	231	221	201	193	201	227	281
75	291	290	288	278	257	255	253	250	245	234	200	177	165	148	132	113	122	140	181
80	195	194	193	188	173	171	169	166	161	147	127	116	106	90.1	76.1	62.0	47.8	51.5	83.6
85	98.0	97.7	96.9	92.9	86.1	85.7	84.9	83.4	81.2	74.3	64.9	58.2	52.4	43.9	34.4	29.5	15.3	3.36	7.26
90	1.23	1.53	1.75	1.77	1.22	1.49	1.99	2.16	2.19	2.15	2.12	2.16	2.23	2.43	2.41	2.37	2.31	2.25	1.82
95	44.1	44.6	44.7	44.5	40.1	38.4	39.6	39.8	40.1	40.4	40.1	40.0	41.6	41.2	40.5	42.8	43.0	42.3	55.5
100	87.0	87.6	87.9	87.9	81.5	75.9	77.2	77.7	78.1	78.3	77.5	77.5	81.2	80.8	81.8	82.7	87.0	83.0	97.6
105	130	131	131	130	121	113	115	116	117	118	118	115	120	123	126	127	123	126	141
110	173	174	174	174	166	151	152	154	154	157	160	157	158	168	168	160	159	165	175
115	216	217	217	217	208	190	188	194	194	196	198	203	200	202	201	202	205	211	232
120	258	260	260	261	257	231	225	231	234	237	241	242	236	228	231	234	240	251	277
125	302	303	303	303	302	278	267	268	275	274	274	271	259	256	254	262	269	281	320
130	344	346	347	348	348	329	305	302	305	306	298	295	296	285	280	279	285	295	360
135	387	388	387	386	384	375	348	335	328	328	327	325	322	323	324	316	324	316	396
140	408	409	409	408	407	403	383	364	360	356	355	353	352	353	354	360	367	371	406
145	429	430	430	429	428	427	425	413	396	390	384	385	386	386	387	394	395	401	415
150	450	451	451	452	451	450	449	444	435	429	429	426	420	420	426	429	431	441	455
155	471	472	472	472	472	473	473	474	474	472	466	461	465	470	475	476	478	490	504
160	491	492	493	494	495	495	496	496	497	498	500	502	506	507	508	511	517	526	537
165	513	513	514	515	515	516	518	519	521	523	525	527	529	531	534	538	543	549	559
170	533	534	534	535	536	537	539	540	541	543	544	546	548	551	554	557	561	564	587
175	554	554	555	555	556	557	557	558	559	560	562	563	564	566	568	569	571	573	595
180	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	596

$H(\beta)$ 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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm																		
NAME: L-ASF04-U&D-50W									TYPE:Black					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	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365
5	1350	1345	1341	1336	1332	1328	1324	1321	1318	1316	1314	1312	1310	1309	1308	1308	1308	1308	1309
10	1320	1310	1301	1292	1284	1277	1273	1269	1265	1262	1260	1258	1256	1255	1254	1253	1253	1253	1253
15	1274	1259	1245	1234	1227	1222	1217	1214	1208	1204	1200	1197	1195	1195	1194	1194	1195	1196	1198
20	1202	1179	1162	1158	1156	1152	1144	1139	1136	1135	1136	1136	1137	1138	1138	1139	1140	1141	1142
25	1102	1076	1065	1062	1053	1042	1035	1043	1057	1069	1073	1073	1074	1075	1077	1079	1082	1084	1086
30	1021	996	987	974	957	948	950	955	954	961	979	1001	1011	1016	1021	1024	1027	1029	1030
35	936	915	907	885	875	876	870	863	865	875	897	925	946	953	959	964	969	972	975
40	843	829	811	794	798	789	785	793	797	797	800	820	869	894	902	909	914	917	919
45	743	739	709	712	703	702	715	715	717	728	736	745	784	828	840	849	855	860	863
50	645	633	616	614	612	625	624	639	656	661	666	666	682	739	754	759	763	765	768
55	546	524	527	514	529	529	554	564	574	582	586	584	586	630	656	661	665	669	672
60	449	426	418	433	434	457	465	480	489	491	493	496	497	532	563	568	572	574	576
65	350	338	336	336	357	368	382	385	395	405	412	413	413	430	465	471	475	478	481
70	241	230	237	257	275	279	291	305	311	316	323	328	330	342	374	378	381	383	385
75	149	147	158	179	190	203	208	220	231	238	243	246	247	251	276	282	285	287	289
80	54.7	62.3	86.1	107	119	132	137	143	150	156	161	164	165	169	186	189	191	192	193
85	3.89	18.5	39.3	47.9	57.8	64.8	68.9	72.3	75.6	78.2	80.3	81.8	82.6	83.4	91.9	94.6	95.5	96.3	97.1
90	1.81	1.72	1.61	1.44	1.26	1.21	1.14	1.11	1.10	1.07	1.06	1.05	1.03	0.98	0.99	0.92	0.78	0.86	1.19
95	33.6	29.9	26.9	26.3	29.1	32.2	34.7	37.4	39.3	38.5	37.8	38.5	36.3	32.9	37.7	38.5	41.3	41.9	42.5
100	70.4	57.2	51.4	55.2	58.7	64.9	68.7	73.2	77.3	75.9	74.9	75.9	69.0	68.7	75.1	77.7	82.2	83.3	83.6
105	111	91.7	84.7	89.3	93.1	100	104	114	117	114	113	113	102	101	111	114	122	124	125
110	146	134	127	128	135	138	148	158	155	151	151	150	129	141	150	156	164	166	166
115	206	189	179	172	178	186	197	197	193	189	193	186	156	178	187	192	204	206	208
120	251	232	222	224	222	235	241	238	233	228	229	220	186	219	226	238	245	248	249
125	295	278	275	266	272	272	274	270	268	272	266	235	230	257	263	275	285	289	291
130	337	327	317	314	308	303	296	293	303	303	298	254	279	298	303	322	328	330	332
135	375	366	351	342	331	323	320	324	327	325	298	294	325	334	339	360	367	371	373
140	392	380	368	357	350	349	353	354	354	341	317	342	358	366	375	390	394	397	397
145	401	394	397	390	389	386	383	381	371	358	379	386	392	396	405	415	419	421	422
150	444	434	428	424	419	417	412	402	401	408	414	419	426	430	441	444	445	446	447
155	489	476	471	465	457	448	442	448	450	451	455	457	458	463	467	469	470	471	472
160	525	515	506	501	497	492	488	485	484	487	489	490	494	495	496	496	496	496	496
165	551	543	536	531	531	531	530	528	526	524	523	523	522	522	521	521	521	521	521
170	582	577	572	568	564	560	558	556	555	553	552	550	549	548	547	547	546	546	546
175	592	590	588	586	584	582	580	579	577	576	575	574	573	572	572	572	571	571	571
180	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596

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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm																		
NAME: L-ASF04-U&D-50W									TYPE:Black					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:1.2*0.7					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365
5	1310	1311	1312	1314	1316	1318	1321	1324	1327	1330	1333	1337	1341	1345	1350	1354	1359	1354	1350
10	1254	1256	1258	1260	1263	1267	1271	1276	1281	1287	1294	1300	1306	1313	1320	1328	1336	1328	1321
15	1199	1201	1204	1206	1209	1212	1215	1218	1223	1230	1239	1248	1259	1268	1278	1288	1299	1288	1278
20	1143	1144	1146	1148	1151	1154	1158	1163	1166	1170	1174	1184	1198	1213	1225	1236	1250	1236	1225
25	1088	1089	1090	1090	1090	1090	1090	1095	1101	1109	1112	1115	1125	1142	1161	1173	1187	1173	1161
30	1031	1031	1031	1031	1031	1032	1030	1028	1025	1030	1040	1046	1048	1061	1084	1099	1113	1099	1084
35	976	976	974	971	967	962	961	961	961	955	953	965	971	973	997	1018	1031	1017	996
40	919	917	915	912	908	904	895	884	881	883	877	871	886	889	902	930	942	930	900
45	864	862	858	852	843	833	827	822	809	794	796	791	786	803	800	838	846	837	798
50	770	772	774	776	779	776	760	743	734	726	704	704	696	701	705	733	744	731	702
55	675	676	677	676	674	673	677	682	661	638	632	609	609	594	612	624	639	622	608
60	577	578	578	578	578	578	574	568	568	573	542	532	507	511	508	512	531	510	503
65	482	483	482	480	477	473	472	471	468	458	462	446	431	407	398	405	425	401	391
70	385	385	384	383	381	380	377	370	361	361	360	350	349	332	319	315	321	310	310
75	290	290	289	287	285	282	277	272	270	268	258	255	250	252	227	214	219	208	214
80	193	193	192	191	190	188	186	183	180	174	167	165	159	158	156	131	121	121	138
85	97.4	97.5	97.2	96.6	95.8	94.7	93.0	90.8	88.4	85.6	82.4	80.6	79.0	70.9	66.0	60.2	29.7	42.9	55.6
90	1.29	1.41	1.48	1.54	1.57	1.63	1.67	1.69	1.71	1.73	1.76	1.77	1.76	1.75	1.79	1.83	1.27	2.56	2.57
95	42.3	41.9	41.3	40.5	39.6	38.6	37.5	36.1	34.5	32.7	30.5	28.4	26.1	18.0	6.16	1.80	1.97	2.78	12.8
100	83.0	81.9	80.7	79.2	77.6	75.8	74.0	71.9	69.4	65.6	61.0	57.8	52.6	47.0	33.8	25.2	25.9	31.5	44.9
105	124	123	121	119	116	113	110	107	104	102	95.2	91.2	84.7	81.6	72.2	69.3	76.6	73.3	79.3
110	165	163	161	158	156	153	150	145	140	137	134	127	124	118	114	115	120	117	119
115	207	205	202	199	195	191	188	186	183	176	175	167	161	152	150	155	164	156	153
120	247	245	243	240	237	235	230	225	223	223	209	205	195	198	198	202	209	201	200
125	290	288	285	281	277	274	273	272	262	252	249	240	240	234	243	250	255	249	244
130	330	328	326	324	322	318	309	300	295	291	282	282	279	281	284	297	299	295	284
135	372	368	363	358	351	345	340	337	330	322	323	321	319	327	326	343	343	340	324
140	396	393	389	386	382	378	372	366	363	363	360	357	364	365	371	384	384	380	368
145	422	420	417	413	409	405	403	402	401	397	395	400	403	403	414	424	424	419	411
150	446	444	442	441	439	438	436	433	431	432	436	438	438	444	454	461	461	456	450
155	472	471	470	468	467	465	464	465	467	470	470	471	475	482	491	495	494	489	484
160	496	496	495	495	495	496	497	498	498	499	500	504	510	517	521	526	520	514	509
165	522	522	522	522	523	523	523	524	525	528	532	536	540	544	548	552	535	531	527
170	546	546	547	547	548	549	551	552	554	557	559	562	564	567	570	573	550	547	545
175	571	572	572	573	573	574	575	576	577	578	580	581	583	584	586	588	566	564	563
180	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	575	575	575

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:0.3910A P:47.400W PF:0.9930 Freq:50.00Hz Lamp Flux:5007.68x1 lm																	
NAME: L-ASF04-U&D-50W									TYPE:Black						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	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365	1365				
5	1346	1341	1338	1334	1331	1327	1324	1322	1319	1317	1315	1313	1312	1311	1310				
10	1313	1307	1300	1295	1288	1282	1277	1272	1268	1265	1262	1260	1258	1257	1256				
15	1269	1260	1249	1240	1231	1224	1220	1217	1214	1211	1209	1207	1205	1203	1201				
20	1213	1198	1185	1175	1171	1167	1164	1161	1157	1154	1151	1150	1148	1147	1147				
25	1143	1125	1116	1112	1110	1102	1096	1092	1092	1093	1094	1094	1094	1093	1092				
30	1061	1048	1045	1040	1031	1026	1029	1032	1034	1034	1035	1036	1037	1037	1037				
35	972	970	963	952	954	961	962	962	964	969	975	979	982	983	983				
40	887	884	869	875	881	880	884	895	905	911	916	920	924	926	928				
45	801	783	787	792	790	806	820	827	834	845	855	864	870	873	873				
50	697	691	699	699	720	730	739	758	776	780	779	778	778	777	777				
55	588	603	602	625	631	654	677	674	672	675	678	681	682	682	680				
60	504	499	523	532	564	561	563	571	577	578	580	581	582	583	583				
65	397	420	434	451	449	461	466	468	471	477	481	485	486	487	486				
70	320	335	337	350	353	355	365	374	379	381	384	386	388	389	389				
75	236	237	245	250	262	265	269	274	281	285	288	291	292	293	292				
80	146	150	158	161	169	177	181	184	187	190	192	193	194	195	195				
85	64.2	74.4	77.2	79.8	83.8	87.2	90.1	92.6	94.7	96.2	97.3	98.1	98.6	98.7	98.5				
90	2.59	2.62	2.66	2.64	2.60	2.58	2.54	2.49	2.42	2.35	2.26	2.15	1.96	1.74	1.56				
95	23.0	29.5	31.4	33.1	35.1	36.8	38.2	39.5	40.6	41.5	42.3	43.0	43.5	43.9	44.2				
100	54.7	58.3	63.2	65.4	69.6	73.1	75.3	77.2	78.9	80.6	82.1	83.5	84.7	85.7	86.5				
105	90.2	92.4	98.0	101	107	109	111	114	118	120	123	125	127	128	129				
110	125	133	135	142	144	146	151	156	159	161	164	166	168	170	172				
115	157	168	175	183	184	190	193	195	197	201	205	208	211	213	215				
120	201	201	212	217	232	231	233	238	242	245	247	250	252	255	257				
125	237	244	245	256	259	270	281	281	283	286	290	293	296	299	300				
130	283	281	285	287	297	302	307	318	328	332	334	336	338	340	342				
135	326	320	323	326	327	335	343	347	352	359	366	373	378	383	386				
140	364	364	358	362	366	367	370	377	383	387	391	394	399	402	406				
145	401	401	400	396	398	402	404	405	407	410	414	418	422	425	428				
150	441	436	436	435	432	430	432	434	435	436	437	440	442	445	448				
155	477	470	466	465	464	461	459	457	458	459	461	464	466	468	470				
160	504	498	493	489	487	486	485	484	483	483	484	486	487	489	490				
165	523	520	516	513	510	507	507	507	507	508	509	510	511	511	512				
170	543	541	539	538	536	534	533	532	532	531	531	531	531	532	532				
175	562	561	559	558	558	557	556	556	555	555	555	554	554	554	554				
180	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575				

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: