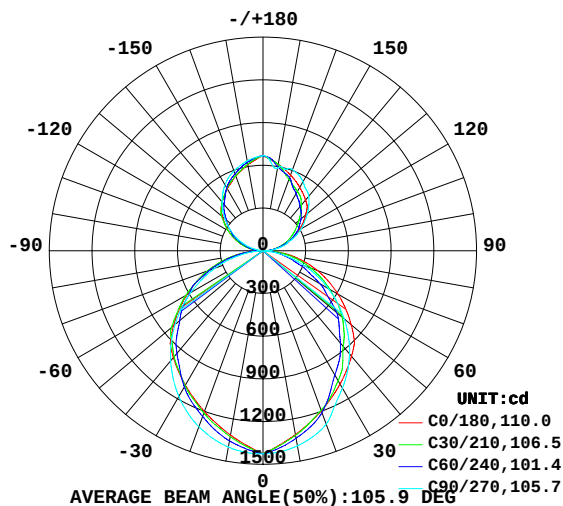


LUMINAIRE PHOTOMETRIC TEST REPORT

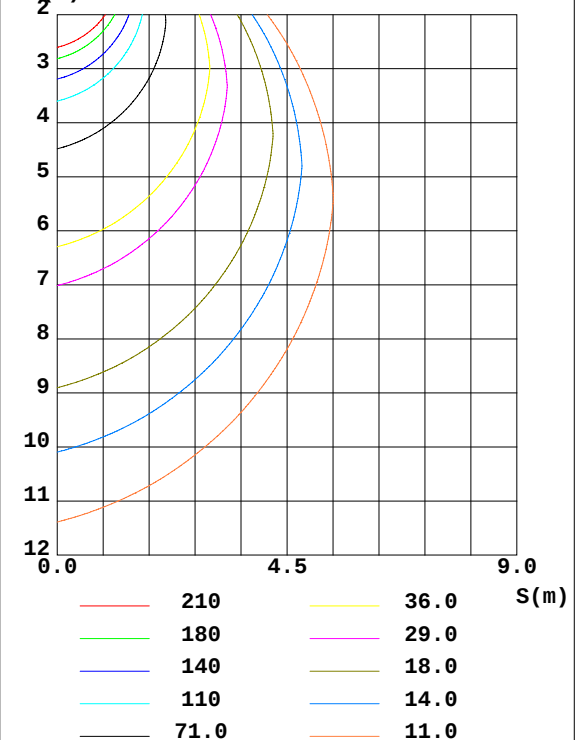
Test:U:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.73 lm/W			
MODEL	3500k	Imax(cd)	1427	S/MH(C0/180)	1.15
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5474.1	η UP, DN(C0-180)	15.8, 32.5
NOMINAL FLUX(lm)	5474.07	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	16.2, 35.5
LAMPS INSIDE	1	η up(%)	32.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	68.0	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:2022-09-06

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:

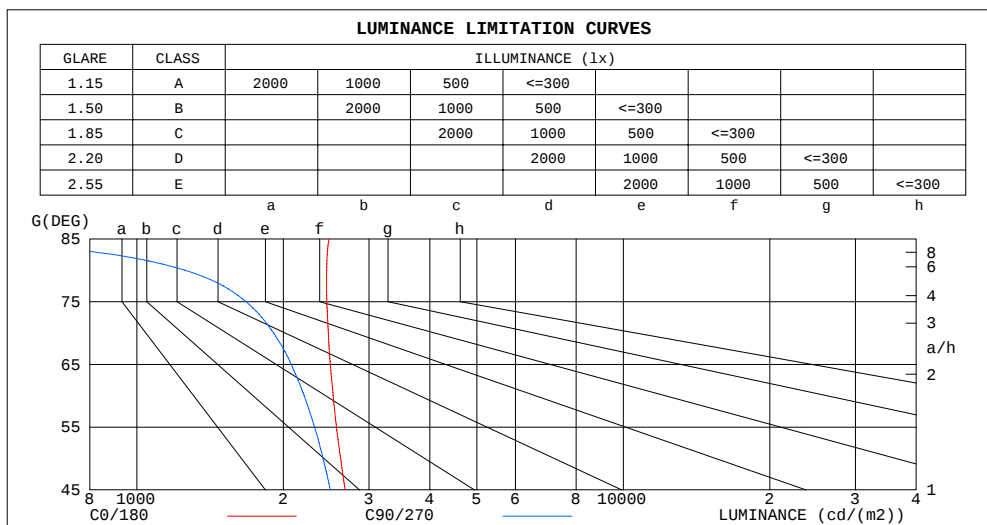
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1312	1324	1391	1326	1315	1338	1399	1335	0- 10	130.8	130.8	2.39, 2.39
20	1197	1193	1296	1198	1203	1226	1316	1221	10- 20	362.1	492.9	9, 9
30	1082	1019	1115	1019	1091	1092	1182	1083	20- 30	530.6	1023	18.7, 18.7
40	967.6	856.6	945.5	852.4	979.1	947.6	1009	934.7	30- 40	627.6	1651	30.2, 30.2
50	809.5	711.0	745.0	707.5	820.9	803.5	805.5	786.4	40- 50	653.4	2305	42.1, 42.1
60	607.9	535.4	529.7	531.8	616.4	619.0	585.3	602.8	50- 60	591.1	2896	52.9, 52.9
70	406.3	338.6	313.5	339.5	411.8	406.4	359.7	395.0	60- 70	455.0	3351	61.2, 61.2
80	204.7	158.4	104.6	164.3	207.3	204.1	145.0	197.9	70- 80	278.6	3629	66.3, 66.3
90	3.126	2.387	1.167	1.909	2.769	7.869	6.233	6.879	80- 90	92.00	3722	68, 68
100	100.2	90.46	108.6	87.00	95.35	90.80	39.13	92.48	90-100	47.85	3770	68.9, 68.9
110	197.3	180.3	195.6	173.4	187.9	177.3	146.7	181.5	100-110	137.2	3907	71.4, 71.4
120	294.4	272.6	309.0	258.0	280.5	270.5	247.5	276.7	110-120	219.7	4127	75.4, 75.4
130	391.4	343.2	407.4	348.6	373.1	356.9	349.1	361.6	120-130	280.8	4407	80.5, 80.5
140	465.2	395.6	500.4	410.3	447.2	431.4	447.5	431.4	130-140	306.5	4714	86.1, 86.1
150	515.6	460.4	561.8	481.3	502.9	504.8	534.5	499.0	140-150	291.4	5005	91.4, 91.4
160	566.0	537.1	605.9	524.9	558.6	568.9	596.9	561.6	150-160	243.9	5249	95.9, 95.9
170	616.4	605.7	590.7	550.7	614.3	623.0	641.0	618.4	160-170	164.6	5414	98.9, 98.9
180	666.8	666.8	669.9	669.9	669.9	669.9	666.8	666.8	170-180	60.18	5474	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:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2482	373
80	2456	1255
75	2457	1675
70	2475	1910
65	2498	2076
60	2533	2207
55	2572	2319
50	2624	2415
45	2680	2499

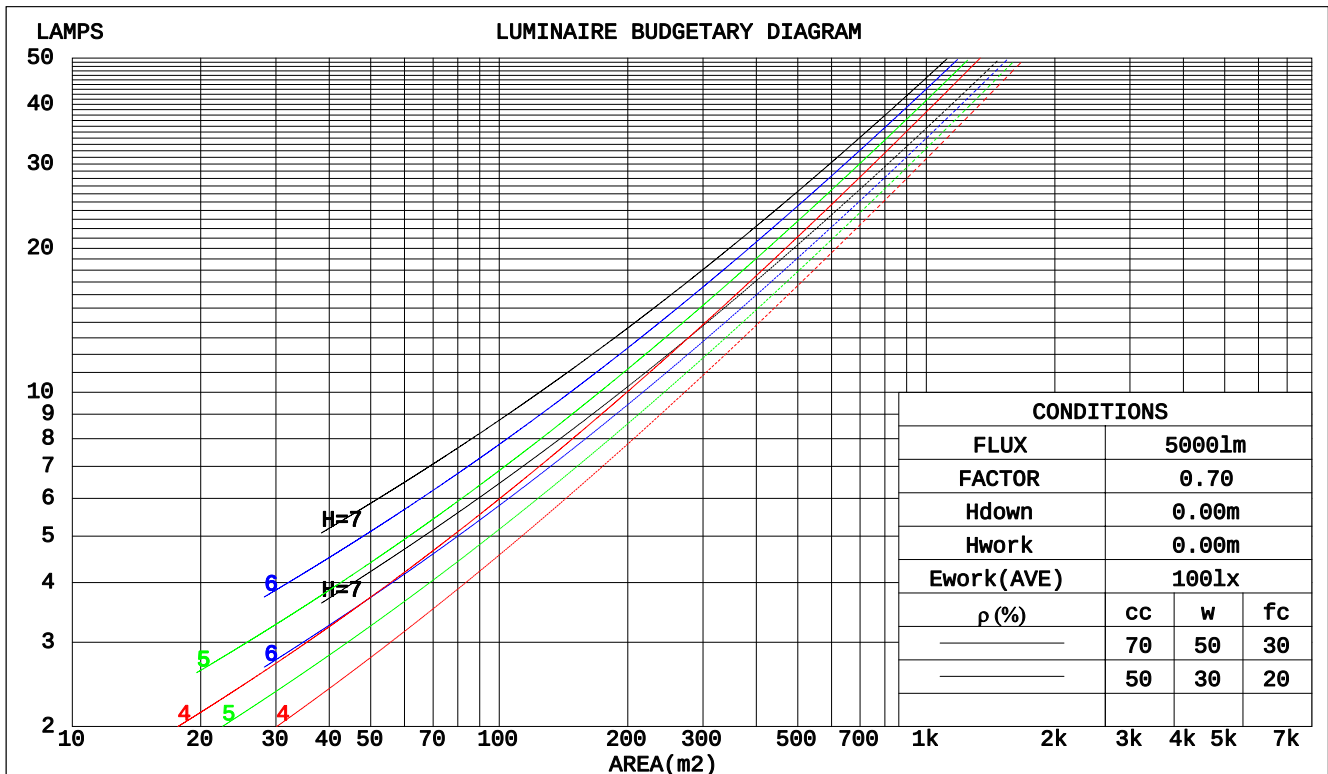
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	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)															
0.0	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.83	.83	.83	.73	.73	.73	.68
1.0	.97	.93	.89	.91	.88	.84	.81	.79	.76	.72	.70	.68	.64	.62	.61	.56
2.0	.84	.78	.72	.80	.74	.69	.71	.66	.63	.63	.60	.56	.56	.53	.51	.47
3.0	.74	.66	.60	.70	.63	.57	.62	.57	.52	.56	.51	.48	.49	.46	.43	.39
4.0	.65	.57	.51	.62	.54	.49	.55	.49	.45	.49	.45	.41	.44	.40	.37	.34
5.0	.58	.50	.43	.55	.48	.42	.50	.43	.38	.44	.39	.35	.39	.35	.32	.29
6.0	.52	.44	.38	.50	.42	.36	.45	.38	.34	.40	.35	.31	.36	.31	.28	.25
7.0	.47	.39	.33	.45	.37	.32	.41	.34	.30	.36	.31	.27	.33	.28	.25	.23
8.0	.43	.35	.29	.41	.34	.28	.37	.31	.26	.33	.28	.24	.30	.26	.22	.20
9.0	.39	.32	.26	.38	.30	.25	.34	.28	.24	.31	.26	.22	.28	.23	.20	.18
10.0	.36	.29	.24	.35	.28	.23	.31	.25	.21	.28	.23	.20	.26	.21	.18	.16



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm					
NAME: L-ASF04-U&D-50W			TYPE:Silver		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd			SUR.:		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	.170	.054	.281	.161	.051	.250	.144	.046	.221	.128	.041	.195	.113	.036	
2.0	.277	.152	.047	.262	.144	.044	.233	.130	.040	.207	.116	.036	.183	.103	.033	
3.0	.255	.136	.041	.241	.129	.039	.216	.117	.035	.192	.105	.032	.169	.094	.029	
4.0	.235	.122	.036	.223	.117	.034	.199	.106	.032	.177	.095	.029	.157	.085	.026	
5.0	.217	.111	.032	.206	.106	.031	.184	.096	.028	.164	.087	.026	.145	.078	.023	
6.0	.202	.101	.029	.191	.097	.028	.171	.088	.026	.153	.079	.023	.135	.071	.021	
7.0	.188	.093	.026	.178	.089	.025	.160	.081	.023	.143	.073	.021	.126	.066	.019	
8.0	.175	.086	.024	.167	.082	.023	.150	.075	.021	.134	.068	.020	.119	.061	.018	
9.0	.165	.080	.022	.156	.076	.021	.141	.069	.020	.126	.063	.018	.112	.057	.016	
10.0	.155	.074	.021	.147	.071	.020	.132	.065	.018	.119	.059	.017	.105	.053	.015	

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	.434	.434	.434	.371	.371	.371	.253	.253	.253	.146	.146	.146	.047	.047	.047	
1.0	.425	.402	.381	.364	.345	.328	.249	.237	.227	.143	.137	.132	.046	.044	.043	
2.0	.418	.380	.347	.358	.327	.300	.245	.226	.209	.141	.131	.123	.045	.043	.040	
3.0	.410	.363	.325	.352	.313	.282	.242	.218	.198	.140	.127	.117	.045	.041	.038	
4.0	.403	.351	.310	.346	.303	.270	.238	.211	.190	.138	.124	.112	.044	.040	.037	
5.0	.396	.341	.300	.340	.295	.261	.235	.206	.184	.136	.121	.109	.044	.039	.036	
6.0	.390	.333	.292	.335	.288	.255	.231	.202	.180	.134	.119	.107	.043	.039	.035	
7.0	.383	.327	.287	.330	.283	.250	.228	.199	.177	.132	.117	.105	.043	.038	.035	
8.0	.377	.321	.283	.325	.279	.247	.225	.196	.175	.131	.115	.104	.042	.038	.034	
9.0	.372	.317	.279	.320	.275	.244	.222	.193	.173	.129	.114	.103	.042	.037	.034	
10.0	.366	.313	.277	.316	.272	.242	.219	.191	.172	.128	.113	.102	.041	.037	.034	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-06

$V(B)$ 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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm											
NAME: L-ASF04-U&D-50W						TYPE:Silver			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: Shenzhen Wisdom Light Co., ltd						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	14.1	15.2	14.8	15.9	16.7	12.8	13.9	13.4	14.6	15.4	
	3H	15.8	16.8	16.5	17.5	18.3	13.8	14.8	14.5	15.5	16.4
	4H	16.5	17.5	17.3	18.2	19.1	14.2	15.1	14.9	15.8	16.7
	6H	17.2	18.0	17.9	18.8	19.7	14.4	15.2	15.1	16.0	16.9
	8H	17.4	18.2	18.1	19.0	19.9	14.4	15.2	15.1	15.9	16.8
	12H	17.6	18.4	18.3	19.1	20.0	14.3	15.1	15.1	15.9	16.8
4H	2H	14.5	15.4	15.2	16.1	17.0	13.4	14.4	14.1	15.1	15.9
	3H	16.3	17.1	17.1	17.9	18.8	14.6	15.4	15.3	16.1	17.1
	4H	17.2	17.9	18.0	18.7	19.6	15.0	15.7	15.8	16.5	17.4
	6H	18.0	18.6	18.8	19.4	20.4	15.2	15.8	16.0	16.6	17.6
	8H	18.3	18.9	19.1	19.7	20.7	15.2	15.8	16.0	16.6	17.6
	12H	18.5	19.0	19.3	19.9	20.9	15.2	15.7	16.0	16.5	17.6
8H	4H	17.3	17.9	18.1	18.7	19.7	15.4	16.0	16.2	16.8	17.8
	6H	18.2	18.7	19.1	19.6	20.6	15.7	16.2	16.6	17.1	18.1
	8H	18.6	19.1	19.5	19.9	21.0	15.8	16.2	16.7	17.1	18.2
	12H	19.0	19.4	19.9	20.2	21.3	15.8	16.2	16.7	17.1	18.1
12H	4H	17.2	17.8	18.1	18.6	19.6	15.4	15.9	16.2	16.8	17.8
	6H	18.2	18.7	19.1	19.5	20.6	15.9	16.3	16.7	17.1	18.2
	8H	18.7	19.1	19.6	19.9	21.0	16.0	16.4	16.9	17.2	18.3
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 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.7 / - 0.6					

CIE Pub.117, 5474 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.9$)
Area: 0.48 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

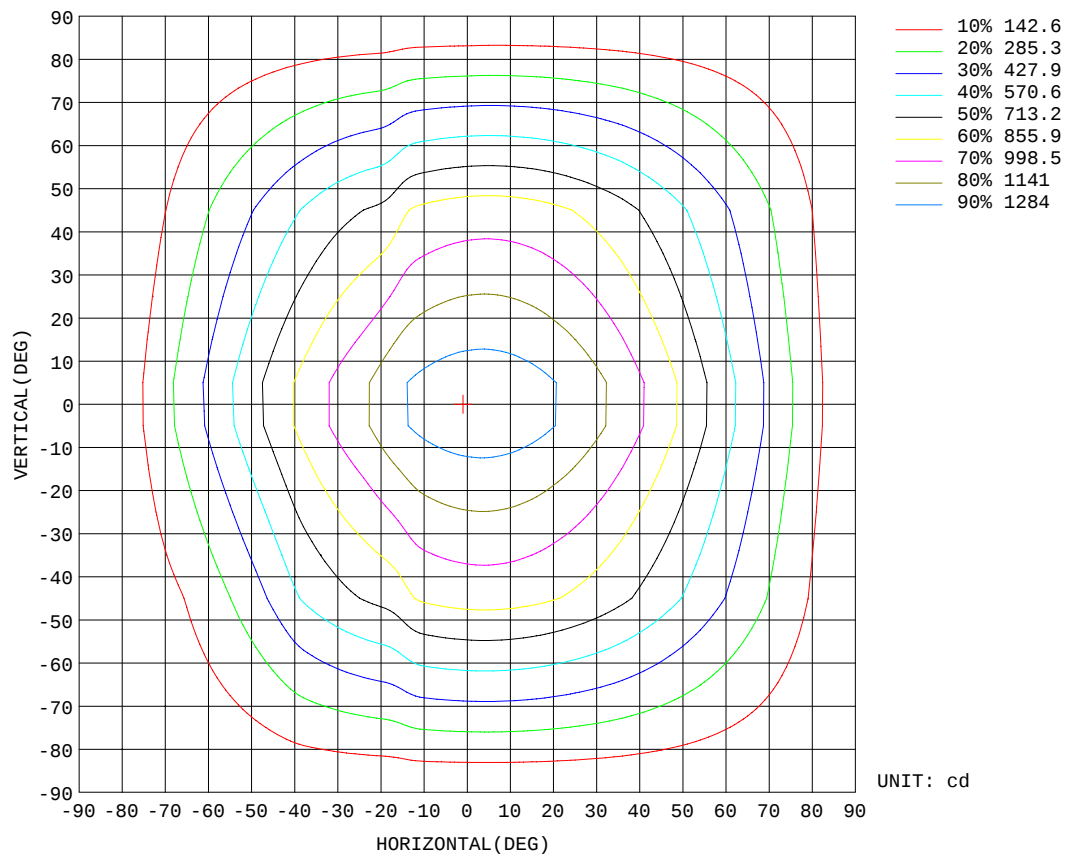
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	37	31	47	36	30	44	35	29	22
0.80	58	47	39	56	45	38	51	42	37	28
1.00	66	55	47	63	53	46	58	51	44	33
1.25	73	62	55	70	60	53	63	56	50	38
1.50	78	68	61	74	65	59	67	60	55	42
2.00	85	76	69	81	73	67	73	67	62	47
2.50	90	81	75	85	78	72	76	71	66	50
3.00	93	86	80	88	81	76	79	74	70	53
4.00	97	91	86	92	87	82	82	78	75	56
5.00	100	95	90	94	90	86	84	81	78	58
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:2022-09-06

$V(\beta)$ 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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

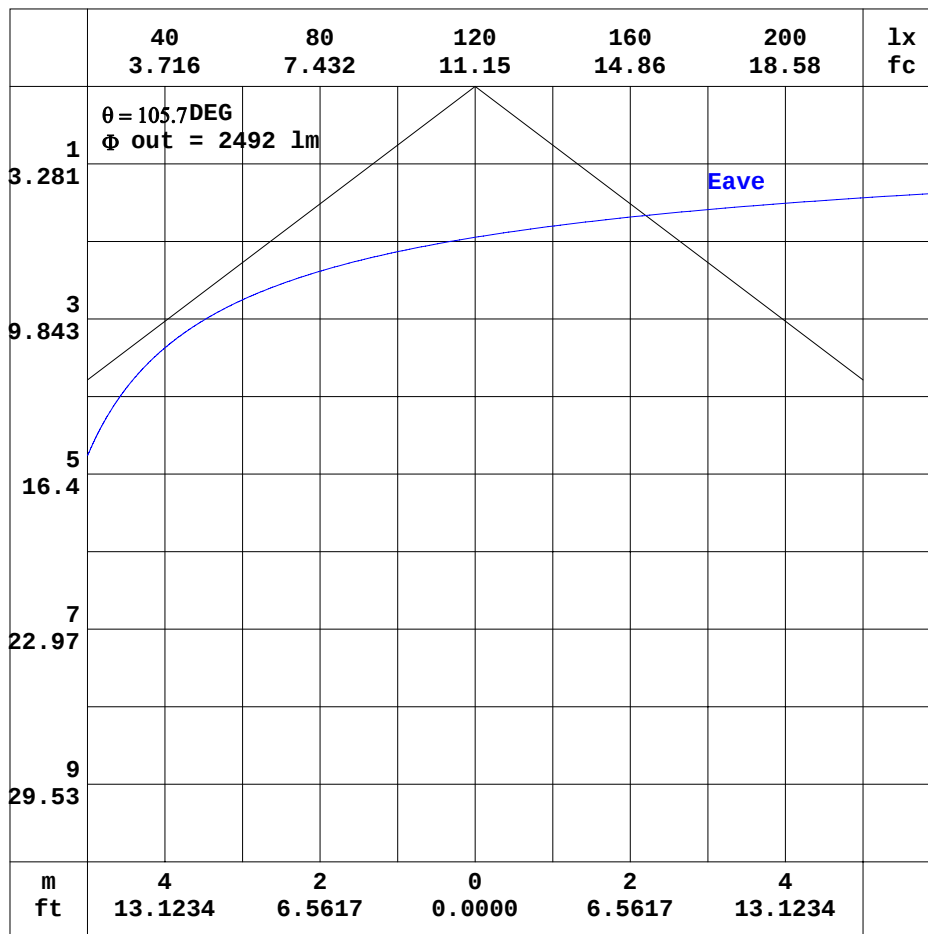


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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 CURVES

Test:U:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:



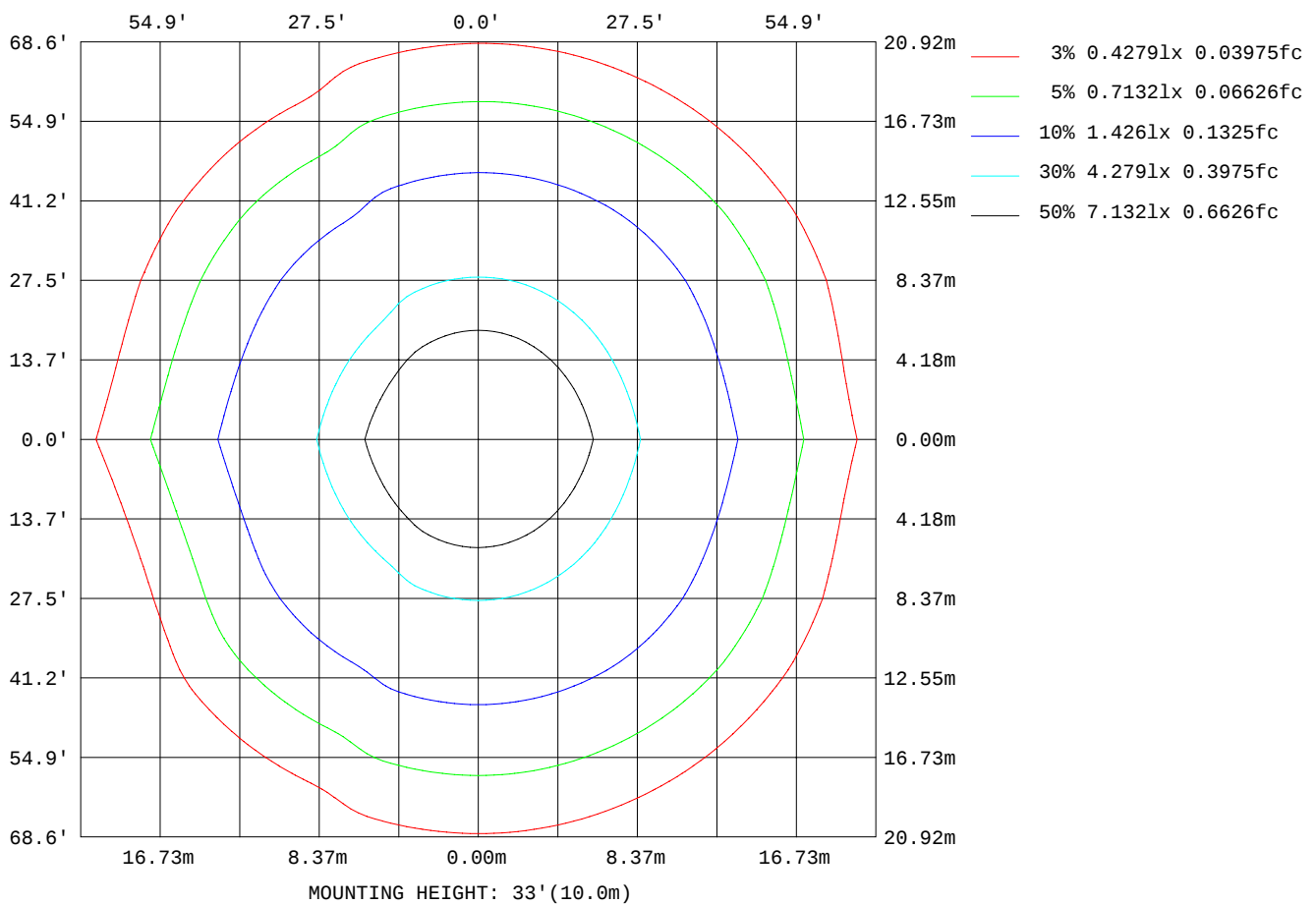
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., Ltd	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

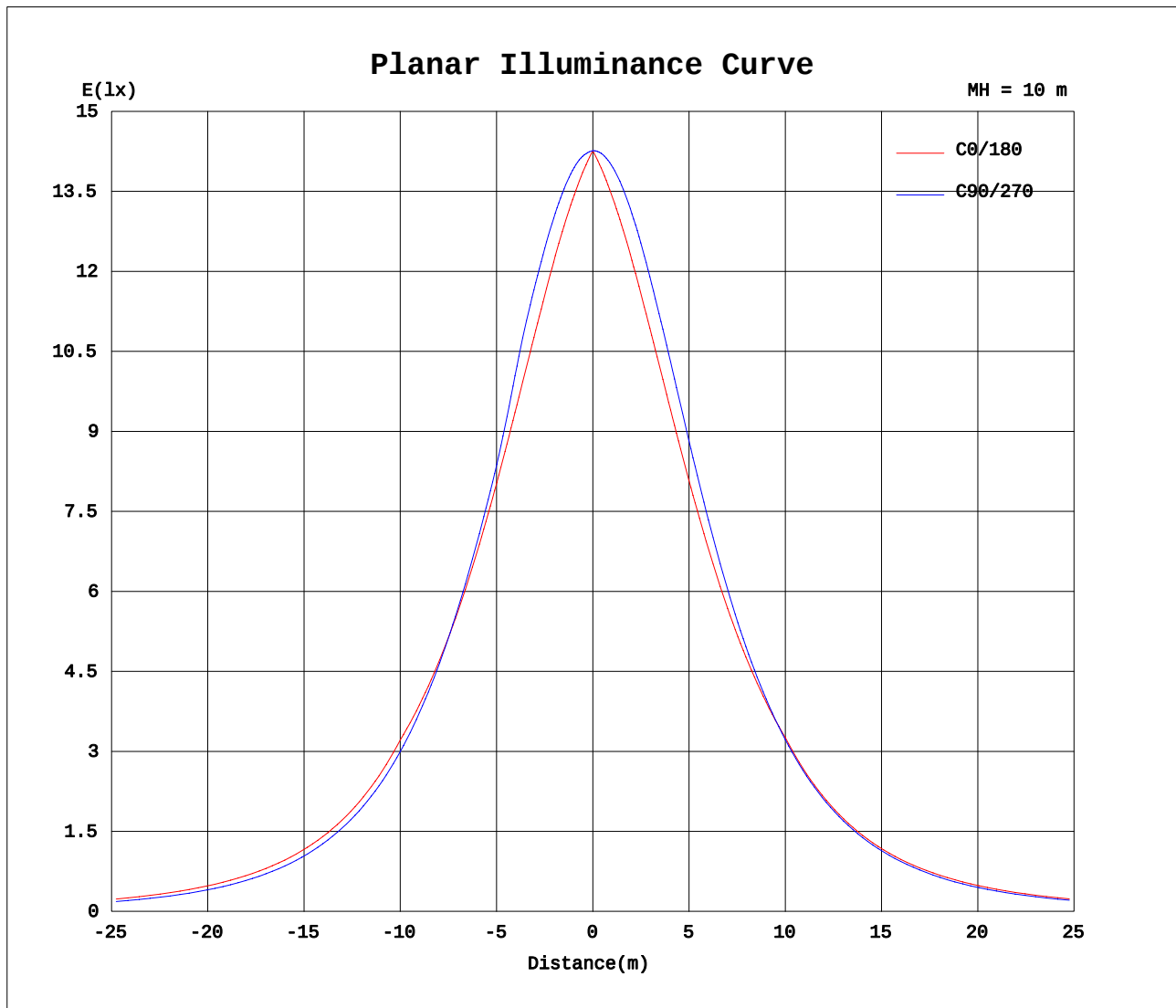
AvgL	cd/m2
L_0~180(65)av	2514
L_0~180(75)av	2472
L_0~180(85)av	2490
L_90~270(65)av	2198
L_90~270(75)av	1847
L_90~270(85)av	722
L_45(65)av	2315
L_45(75)av	2205
L_45(85)av	2205

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-06

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:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm																	
NAME: L-ASF04-U&D-50W									TYPE:Silver						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426
5	1368	1367	1367	1368	1369	1370	1372	1374	1376	1378	1381	1385	1388	1392	1397	1401	1406	1411	1417
10	1312	1311	1311	1312	1313	1315	1316	1318	1321	1324	1328	1332	1337	1344	1352	1361	1370	1380	1391
15	1253	1252	1252	1252	1252	1253	1255	1258	1262	1267	1272	1277	1282	1287	1294	1305	1319	1335	1352
20	1197	1196	1195	1195	1194	1193	1193	1193	1193	1193	1196	1202	1211	1216	1222	1229	1247	1270	1296
25	1139	1136	1134	1132	1130	1129	1129	1128	1123	1113	1106	1102	1109	1120	1128	1131	1140	1167	1197
30	1082	1080	1078	1075	1071	1066	1055	1033	1021	1019	1020	1014	1010	1017	1034	1047	1056	1082	1115
35	1024	1021	1016	1012	1007	998	975	954	939	928	923	929	935	934	943	965	974	995	1034
40	968	965	960	954	946	918	878	863	859	857	851	843	846	855	851	868	886	901	945
45	910	905	899	892	877	833	805	797	786	775	771	771	757	757	765	758	790	794	848
50	809	807	804	801	782	735	726	724	718	711	693	677	675	651	649	650	671	689	745
55	708	704	701	697	668	636	637	638	634	627	616	600	555	547	528	547	550	583	639
60	608	605	603	599	566	542	541	538	536	535	523	482	461	429	431	421	440	478	530
65	507	504	501	494	461	451	451	450	443	433	407	385	350	332	315	326	342	371	421
70	406	405	402	397	368	361	359	354	347	339	317	283	256	243	221	216	226	256	313
75	305	303	301	294	273	270	269	266	262	249	222	196	182	162	147	132	144	163	208
80	205	204	203	199	184	182	180	177	172	158	141	128	117	99.7	86.8	76.7	65.7	69.5	105
85	104	103	102	99.4	92.7	92.2	91.3	89.6	87.0	80.3	72.0	64.4	57.5	48.7	40.4	37.2	24.5	6.00	15.6
90	3.13	3.19	3.27	3.38	3.52	3.62	3.65	3.36	2.74	2.39	2.32	2.23	2.46	2.31	2.19	2.10	2.18	2.21	1.17
95	51.7	51.7	47.6	49.4	45.7	43.8	45.2	46.1	46.2	46.6	46.8	47.0	47.8	47.3	46.4	48.8	48.8	48.5	60.8
100	100	101	93.3	94.8	90.9	83.9	86.7	89.0	89.7	90.5	90.6	91.6	93.8	93.2	94.4	95.0	99.6	94.3	109
105	149	149	137	141	133	124	128	132	135	136	137	136	140	142	146	146	141	144	159
110	197	198	185	185	183	164	169	174	177	180	185	185	187	194	194	186	183	189	196
115	246	246	228	230	230	206	209	216	222	225	229	236	237	238	232	234	236	244	257
120	294	296	282	273	281	251	249	257	265	273	277	281	281	273	276	273	279	292	309
125	344	344	324	317	329	304	288	298	307	315	316	316	313	316	313	322	324	337	358
130	391	394	384	360	374	360	329	334	339	343	345	345	350	350	355	360	371	379	407
135	441	441	427	401	409	410	378	361	364	367	370	376	380	385	392	396	411	418	456
140	465	467	462	433	428	436	417	391	391	396	398	400	405	414	421	432	443	453	500
145	491	492	484	461	451	457	460	448	425	423	426	430	436	438	444	454	463	474	527
150	516	517	516	502	482	478	483	482	471	460	458	462	465	469	478	484	491	502	562
155	542	542	540	529	515	505	505	509	512	511	502	493	495	501	509	517	524	536	590
160	566	567	568	565	556	544	535	532	533	537	541	544	547	548	546	546	552	561	606
165	592	593	593	591	587	580	574	569	566	566	567	568	570	574	578	582	588	594	593
170	616	617	618	619	620	619	617	613	609	606	603	601	600	602	605	609	613	617	591
175	642	643	643	644	644	645	645	646	646	647	648	649	650	651	652	654	656	659	628
180	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	670

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm																		
NAME: L-ASF04-U&D-50W									TYPE:Silver					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:					Shielding Angle:				

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426
5	1411	1406	1402	1397	1393	1389	1386	1382	1379	1377	1375	1373	1371	1370	1369	1369	1369	1369	1370
10	1380	1370	1361	1353	1345	1338	1333	1329	1326	1323	1321	1319	1317	1316	1315	1314	1314	1315	1315
15	1335	1320	1307	1295	1289	1283	1278	1274	1269	1264	1261	1258	1256	1255	1255	1256	1256	1257	1259
20	1270	1247	1230	1224	1220	1216	1207	1202	1198	1196	1196	1197	1197	1198	1200	1201	1201	1203	1204
25	1167	1139	1130	1126	1119	1108	1101	1110	1122	1132	1134	1134	1134	1136	1138	1141	1143	1146	1148
30	1081	1056	1046	1033	1015	1007	1011	1017	1019	1027	1045	1064	1072	1077	1082	1086	1089	1091	1092
35	995	973	964	942	932	933	926	920	923	936	964	991	1008	1014	1019	1025	1030	1034	1037
40	901	886	867	849	853	844	840	848	852	853	858	886	935	954	963	970	976	979	981
45	797	793	762	765	756	755	768	768	771	781	790	806	853	890	901	909	917	922	926
50	696	683	665	663	661	675	674	690	707	713	718	718	745	800	809	814	818	821	824
55	593	570	573	559	575	576	601	613	623	630	633	629	638	686	704	709	713	718	722
60	491	467	459	474	475	500	510	524	532	533	533	535	538	581	605	609	613	616	619
65	387	374	372	373	394	406	419	421	430	440	446	447	446	470	501	505	510	513	517
70	271	259	267	288	307	309	321	334	340	344	351	355	356	375	402	406	409	412	414
75	174	171	184	203	213	226	230	242	253	260	264	266	266	274	299	304	306	309	312
80	72.5	81.3	103	123	134	147	152	157	164	170	175	178	179	185	201	204	205	207	209
85	6.77	27.6	48.3	56.1	65.8	72.9	76.8	80.2	83.3	85.9	88.0	89.3	89.8	91.4	100	102	103	104	107
90	1.61	1.74	1.81	1.88	1.88	1.98	2.01	2.04	1.91	2.03	2.04	2.05	1.94	1.93	2.05	2.06	1.96	2.77	4.33
95	37.0	33.5	31.2	31.4	34.9	38.6	41.4	44.7	44.7	43.9	43.3	44.2	42.5	44.5	45.6	41.0	42.6	48.4	50.2
100	78.8	65.4	61.1	65.8	70.1	77.2	81.3	87.0	87.0	85.5	85.6	86.4	82.9	89.9	88.7	75.3	88.2	95.4	96.0
105	126	107	101	106	111	119	123	134	131	127	129	128	123	133	132	117	125	141	142
110	166	153	147	151	160	163	175	179	173	168	172	169	164	181	174	146	176	188	188
115	230	214	205	200	209	218	231	221	216	212	218	209	206	226	217	186	211	233	235
120	282	263	253	257	257	275	273	266	258	260	259	249	251	269	255	216	266	281	280
125	331	315	313	305	315	309	309	305	299	309	299	289	305	312	296	251	302	325	327
130	381	373	363	358	351	350	342	338	349	345	335	330	360	353	325	295	360	373	372
135	429	423	405	401	392	383	381	381	379	372	366	383	397	387	358	326	395	418	420
140	476	464	450	436	429	422	418	417	410	403	401	424	419	404	361	384	436	447	447
145	508	494	485	473	466	463	455	447	440	442	457	449	439	424	386	409	458	473	476
150	544	530	522	513	502	493	486	481	481	485	481	468	458	427	423	469	495	503	503
155	576	562	552	542	533	525	520	522	516	502	494	488	469	447	458	493	519	529	532
160	595	585	577	571	565	554	543	533	525	520	514	493	479	492	521	543	555	559	559
165	588	582	576	569	564	561	558	549	536	523	514	512	520	536	554	569	579	585	587
170	587	583	578	572	566	559	552	550	551	557	566	577	589	598	606	611	613	614	615
175	624	622	619	618	617	617	618	619	621	623	625	628	631	633	635	638	639	641	641
180	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm																		
NAME: L-ASF04-U&D-50W									TYPE:Silver					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:					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	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426
5	1371	1372	1374	1376	1378	1380	1383	1386	1389	1392	1395	1399	1403	1407	1411	1416	1421	1416	1411
10	1316	1318	1320	1322	1325	1329	1333	1338	1343	1349	1356	1363	1369	1376	1383	1391	1399	1391	1383
15	1261	1263	1266	1268	1271	1274	1278	1281	1286	1294	1303	1313	1324	1333	1342	1353	1364	1352	1341
20	1205	1206	1208	1211	1214	1217	1222	1226	1230	1234	1239	1249	1262	1278	1290	1302	1316	1301	1288
25	1150	1152	1153	1153	1153	1154	1154	1159	1165	1173	1177	1181	1191	1209	1228	1240	1255	1239	1226
30	1093	1093	1094	1094	1094	1096	1094	1092	1090	1095	1105	1111	1114	1128	1151	1167	1182	1166	1149
35	1038	1038	1037	1034	1030	1025	1024	1025	1025	1019	1018	1030	1037	1039	1064	1085	1099	1084	1061
40	981	980	978	975	971	967	958	948	944	946	941	935	950	953	967	996	1009	995	963
45	926	925	921	914	905	896	890	884	871	856	858	852	848	866	864	902	911	900	860
50	826	829	832	835	839	837	821	803	795	785	764	763	756	760	765	794	805	791	760
55	725	727	728	729	728	728	734	741	718	695	689	665	665	649	668	681	697	678	663
60	620	622	623	624	625	627	625	619	621	628	595	584	558	562	560	565	585	562	553
65	519	520	520	519	517	515	514	515	513	505	510	494	478	452	442	449	471	446	435
70	415	416	415	415	415	414	413	406	399	399	399	390	390	371	357	354	360	349	349
75	313	314	314	313	311	309	305	301	300	299	289	287	282	285	258	245	251	239	247
80	209	210	210	209	209	208	206	204	202	196	189	188	183	183	180	155	145	147	166
85	107	108	108	108	108	107	106	105	103	100	97.4	95.9	94.7	86.3	82.2	76.7	44.8	63.4	72.8
90	4.21	5.04	5.44	5.94	6.45	6.99	7.48	7.87	8.31	8.72	9.05	9.31	9.49	9.61	9.69	9.74	6.23	7.83	7.86
95	50.7	52.1	51.9	51.6	51.1	50.5	49.6	48.6	47.2	45.5	43.3	41.5	38.8	29.7	16.2	4.93	4.72	7.33	21.9
100	97.4	98.8	98.0	97.0	95.8	94.3	92.6	90.8	88.5	84.6	79.6	76.9	70.9	64.1	49.9	39.1	39.1	45.0	60.1
105	143	147	145	144	141	138	135	132	130	127	120	116	110	106	94.1	90.9	97.3	93.4	99.9
110	190	193	192	190	187	185	182	177	172	169	166	158	156	149	144	145	147	144	146
115	236	241	240	237	234	229	227	225	222	215	214	205	198	188	186	191	197	188	185
120	282	288	287	285	283	281	276	271	269	269	254	249	238	241	241	245	248	239	238
125	327	335	335	333	330	326	325	325	314	303	300	289	290	283	294	301	298	292	288
130	373	381	383	382	382	378	368	357	352	348	337	337	334	337	340	355	349	345	333
135	417	422	425	420	414	407	403	399	391	383	384	381	380	389	388	407	399	397	379
140	444	448	452	449	447	444	438	431	429	429	426	423	430	432	439	454	448	443	430
145	474	474	478	478	475	472	472	472	471	467	465	471	474	475	487	498	493	488	478
150	501	501	504	506	507	506	506	505	504	506	510	513	514	520	532	539	535	528	522
155	531	530	530	532	535	534	534	537	540	544	546	548	553	562	571	577	569	563	557
160	559	558	558	559	561	564	567	569	570	572	575	580	587	594	600	607	597	591	586
165	588	588	588	589	589	590	592	595	598	601	605	609	615	619	623	628	620	615	611
170	615	616	616	617	618	619	621	623	625	628	631	634	637	640	643	647	641	638	634
175	642	643	644	645	646	647	648	649	651	652	654	656	657	659	661	664	658	656	654
180	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	667	667	667

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-06

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:118.90V I:0.4010A P:47.300W PF:0.9910 Freq:50.00Hz Lamp Flux:5474.07x1 lm																	
NAME: L-ASF04-U&D-50W									TYPE:Silver						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Shenzhen Wisdom Light Co., ltd									SUR.:						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	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426				
5	1407	1402	1398	1395	1391	1388	1385	1382	1379	1377	1375	1373	1371	1370	1369				
10	1375	1368	1361	1355	1347	1341	1335	1330	1326	1322	1319	1317	1315	1313	1312				
15	1331	1322	1310	1300	1291	1283	1277	1274	1270	1267	1264	1261	1259	1257	1255				
20	1276	1260	1245	1234	1229	1225	1221	1216	1211	1207	1204	1202	1200	1199	1198				
25	1206	1187	1176	1171	1167	1158	1151	1147	1145	1145	1145	1145	1143	1142	1141				
30	1124	1110	1105	1098	1088	1081	1083	1084	1086	1084	1083	1083	1084	1083	1083				
35	1035	1031	1023	1010	1010	1015	1014	1013	1013	1017	1022	1024	1027	1027	1026				
40	948	943	927	931	936	932	935	944	952	956	960	963	966	968	968				
45	860	841	843	847	843	857	870	874	879	888	897	904	909	912	912				
50	754	747	753	751	771	779	786	804	819	821	818	815	813	812	811				
55	641	655	653	675	680	701	722	716	711	712	713	714	713	713	711				
60	553	547	570	579	610	604	603	609	612	611	610	610	610	610	609				
65	442	464	478	494	489	499	501	501	502	505	507	509	510	510	509				
70	359	375	375	385	386	387	395	402	404	405	405	406	407	407	407				
75	270	269	275	278	289	290	292	296	301	303	305	307	307	307	307				
80	171	173	180	181	189	195	198	200	202	203	204	205	205	205	205				
85	79.3	88.7	90.8	92.7	96.0	98.7	101	103	104	105	105	105	105	105	104				
90	7.88	7.86	7.80	7.64	7.42	7.17	6.88	6.55	6.14	5.63	5.21	4.79	4.32	3.88	3.55				
95	32.8	40.4	42.5	44.1	46.1	47.7	48.9	49.9	50.7	51.2	51.7	51.9	52.0	51.7	51.7				
100	70.6	75.3	80.3	82.5	86.9	90.5	92.5	94.1	95.5	96.7	97.9	98.8	99.3	99.3	99.7				
105	114	117	122	125	131	133	135	138	141	143	145	147	148	148	148				
110	154	163	166	173	175	177	182	186	188	190	192	194	195	195	196				
115	190	203	212	222	221	227	230	231	233	237	240	242	243	244	245				
120	240	240	254	260	277	276	277	281	285	287	288	290	291	291	292				
125	280	289	291	303	308	320	332	332	332	334	337	339	340	340	342				
130	332	331	336	338	350	356	362	373	383	387	387	388	387	387	389				
135	382	375	379	383	383	392	401	406	410	417	424	429	432	435	438				
140	425	425	419	423	428	428	431	438	444	448	451	454	456	459	462				
145	467	468	466	461	463	467	468	469	470	474	478	481	484	486	489				
150	511	505	505	503	499	497	499	501	503	504	505	506	509	511	513				
155	549	541	537	536	535	532	530	529	529	531	533	535	536	538	540				
160	581	575	569	564	563	562	562	561	560	560	560	561	562	563	564				
165	607	604	599	595	592	589	588	588	588	588	589	589	590	590	591				
170	632	629	627	625	622	620	618	617	616	615	615	615	615	615	616				
175	652	651	649	648	647	646	645	644	643	643	642	642	642	642	642				
180	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667				

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-06

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: