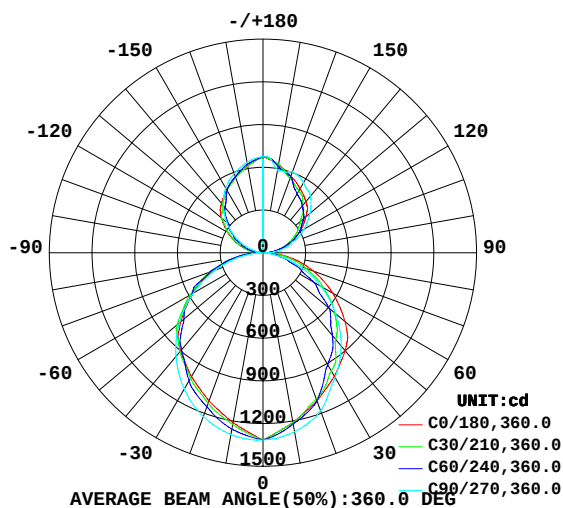


LUMINAIRE PHOTOMETRIC TEST REPORT

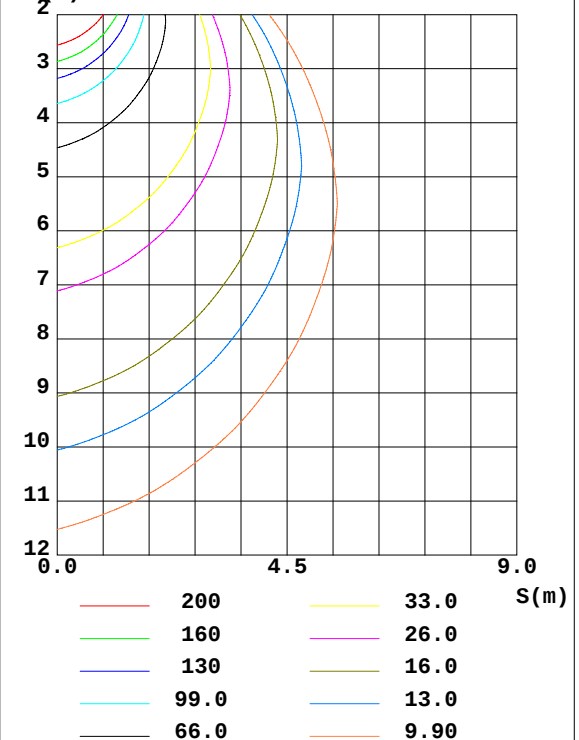
Test:U:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.20 lm/W			
MODEL	5000k	I _{max} (cd)	1317	S/MH(C0/180)	1.15
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5217.4	η UP, DN(C0-180)	17.3, 30.6
NOMINAL FLUX(lm)	5217.44	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	16.7, 35.4
LAMPS INSIDE	1	η up(%)	34.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	66.0	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:

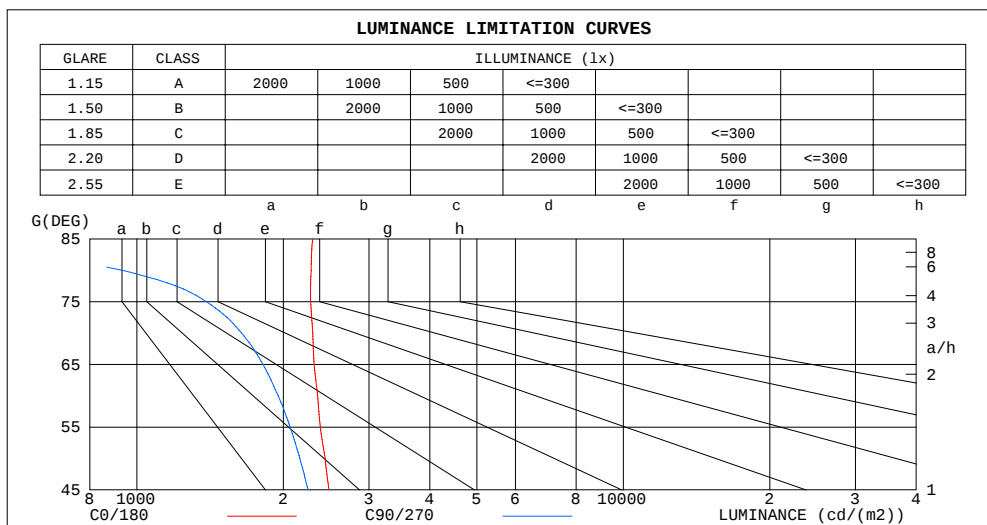
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1210	1214	1276	1214	1211	1238	1297	1238	0- 10	120.5	120.5	2.31, 2.31
20	1106	1084	1182	1087	1108	1141	1224	1139	10- 20	333.5	454.0	8.7, 8.7
30	1002	925.4	1013	921.5	1004	1020	1105	1016	20- 30	488.9	942.9	18.1, 18.1
40	897.8	777.6	854.5	769.1	900.4	887.9	949.7	880.8	30- 40	578.8	1522	29.2, 29.2
50	752.0	643.1	667.4	635.0	754.8	756.1	766.5	746.4	40- 50	603.2	2125	40.7, 40.7
60	564.7	480.5	468.5	473.5	567.0	589.1	564.3	577.5	50- 60	546.5	2671	51.2, 51.2
70	377.5	299.3	269.5	299.0	379.2	394.5	355.9	382.9	60- 70	421.8	3093	59.3, 59.3
80	190.2	138.0	77.64	143.5	191.4	206.4	156.4	194.4	70- 80	260.0	3353	64.3, 64.3
90	2.934	3.511	1.240	3.466	3.564	20.52	1.820	8.246	80- 90	89.84	3443	66, 66
100	100.6	96.47	132.6	93.08	97.46	95.92	12.06	90.60	90-100	51.37	3494	67, 67
110	198.2	193.6	215.2	183.5	191.3	174.5	127.2	175.7	100-110	139.2	3634	69.6, 69.6
120	295.8	296.0	333.3	271.4	285.2	260.0	228.8	267.1	110-120	222.3	3856	73.9, 73.9
130	393.5	374.7	430.2	362.3	379.1	343.8	331.6	351.5	120-130	284.3	4140	79.4, 79.4
140	468.3	419.5	519.7	418.9	453.7	420.5	432.7	423.9	130-140	310.1	4450	85.3, 85.3
150	520.4	479.4	569.4	481.3	509.0	498.9	524.8	496.1	140-150	294.1	4744	90.9, 90.9
160	572.4	555.7	604.4	520.6	564.3	566.7	592.3	565.0	150-160	245.8	4990	95.6, 95.6
170	624.4	622.5	591.0	568.0	619.5	623.5	644.6	625.3	160-170	166.1	5156	98.8, 98.8
180	676.4	676.4	674.8	674.8	674.8	674.8	676.4	676.4	170-180	61.07	5217	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:2022-09-06

$V(B)$ 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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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	2299	129
80	2282	931
75	2276	1388
70	2299	1641
65	2313	1816
60	2353	1952
55	2382	2066
50	2437	2163
45	2482	2249

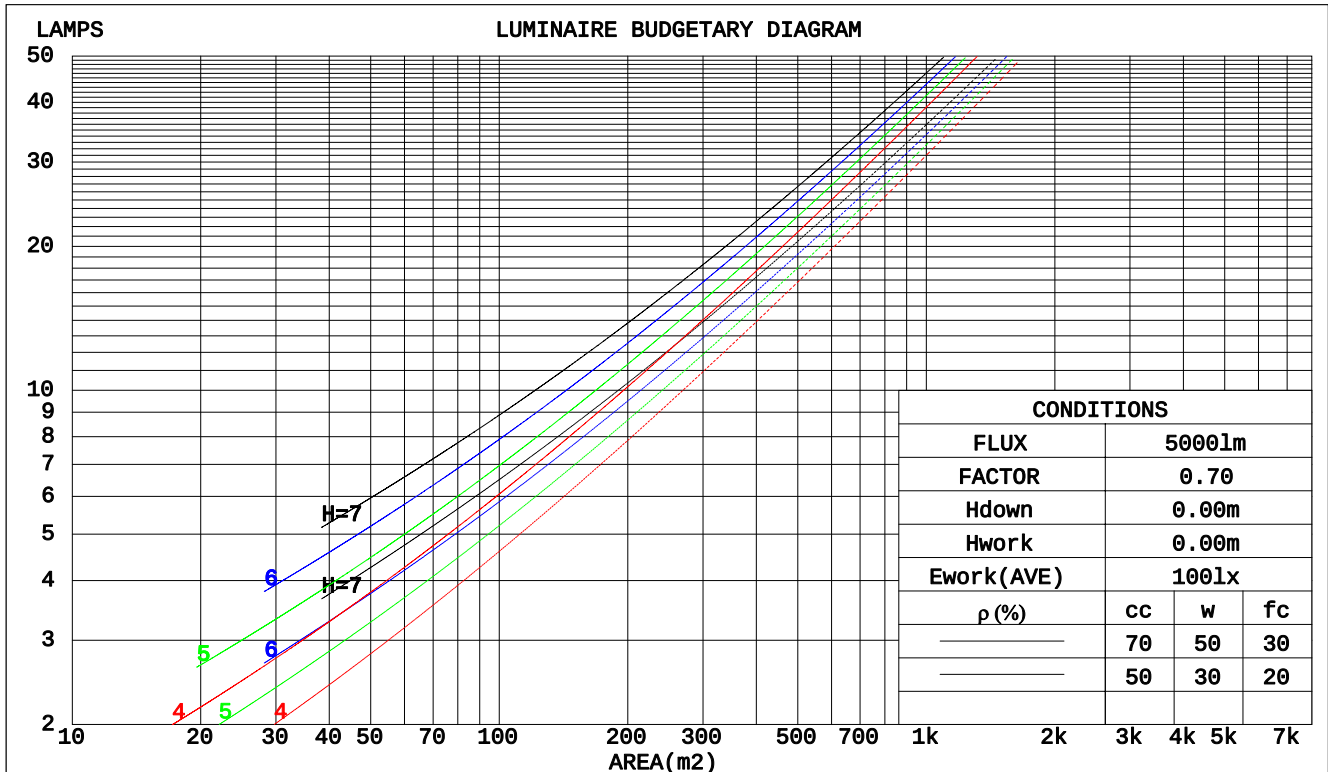
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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	1.04	1.04	1.04	.92	.92	.92	.81	.81	.81	.71	.71	.71	.66
1.0	.96	.92	.88	.91	.87	.84	.80	.78	.75	.71	.69	.67	.62	.60	.59	.55
2.0	.84	.77	.72	.79	.73	.68	.70	.66	.62	.62	.58	.55	.54	.52	.49	.45
3.0	.74	.66	.60	.69	.62	.57	.62	.56	.52	.54	.50	.47	.48	.45	.42	.38
4.0	.65	.57	.50	.61	.54	.48	.55	.49	.44	.48	.44	.40	.43	.39	.36	.33
5.0	.58	.49	.43	.55	.47	.41	.49	.43	.38	.43	.38	.34	.38	.34	.31	.28
6.0	.52	.44	.37	.49	.42	.36	.44	.38	.33	.39	.34	.30	.35	.31	.27	.25
7.0	.47	.39	.33	.45	.37	.32	.40	.34	.29	.36	.31	.27	.32	.27	.24	.22
8.0	.43	.35	.29	.41	.33	.28	.37	.30	.26	.33	.28	.24	.29	.25	.22	.19
9.0	.39	.31	.26	.37	.30	.25	.34	.27	.23	.30	.25	.21	.27	.23	.20	.18
10.0	.36	.28	.23	.34	.27	.23	.31	.25	.21	.28	.23	.19	.25	.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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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	.160	.051	.248	.142	.045	.219	.126	.040	.191	.111	.036	
2.0	.276	.151	.046	.261	.144	.044	.231	.129	.040	.204	.114	.036	.179	.101	.032	
3.0	.254	.135	.041	.240	.129	.039	.213	.116	.035	.189	.103	.032	.166	.092	.028	
4.0	.234	.122	.036	.222	.116	.034	.197	.104	.031	.174	.094	.028	.153	.083	.025	
5.0	.217	.110	.032	.205	.105	.031	.182	.095	.028	.161	.085	.025	.142	.076	.023	
6.0	.201	.101	.029	.190	.096	.028	.170	.087	.025	.150	.078	.023	.132	.070	.021	
7.0	.187	.093	.026	.177	.088	.025	.158	.080	.023	.140	.072	.021	.123	.064	.019	
8.0	.175	.085	.024	.166	.082	.023	.148	.074	.021	.131	.067	.019	.116	.059	.017	
9.0	.164	.079	.022	.155	.076	.021	.139	.069	.019	.124	.062	.018	.109	.055	.016	
10.0	.154	.074	.021	.146	.071	.020	.131	.064	.018	.117	.058	.016	.103	.052	.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	.450	.450	.450	.384	.384	.384	.262	.262	.262	.151	.151	.151	.048	.048	.048	
1.0	.441	.418	.397	.377	.358	.341	.258	.247	.236	.148	.143	.137	.048	.046	.044	
2.0	.433	.395	.363	.371	.340	.314	.254	.235	.219	.147	.137	.128	.047	.044	.042	
3.0	.426	.379	.341	.365	.327	.296	.251	.227	.207	.145	.133	.122	.047	.043	.040	
4.0	.419	.366	.326	.359	.316	.283	.247	.221	.199	.143	.129	.118	.046	.042	.039	
5.0	.412	.357	.316	.354	.309	.275	.244	.216	.194	.141	.127	.115	.045	.041	.038	
6.0	.405	.349	.308	.348	.302	.268	.240	.211	.190	.139	.124	.113	.045	.041	.037	
7.0	.399	.342	.303	.343	.297	.264	.237	.208	.187	.138	.123	.111	.045	.040	.037	
8.0	.393	.337	.299	.338	.292	.260	.234	.205	.185	.136	.121	.110	.044	.040	.036	
9.0	.387	.332	.295	.334	.289	.258	.231	.203	.183	.135	.120	.109	.044	.039	.036	
10.0	.382	.328	.293	.329	.285	.255	.229	.201	.182	.133	.119	.108	.043	.039	.036	

$H(\beta)$ 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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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	13.6	14.7	14.3	15.4	16.2	12.0	13.1	12.7	13.8	14.6	
	3H	15.3	16.3	16.0	17.0	17.9	13.0	14.0	13.7	14.7	15.5
	4H	16.1	17.0	16.8	17.7	18.6	13.2	14.2	14.0	14.9	15.8
	6H	16.7	17.6	17.4	18.3	19.2	13.3	14.2	14.1	14.9	15.9
	8H	16.9	17.8	17.7	18.5	19.5	13.3	14.1	14.1	14.9	15.8
	12H	17.1	17.9	17.9	18.7	19.6	13.2	14.0	14.0	14.8	15.7
4H	2H	13.9	14.9	14.7	15.6	16.5	12.7	13.6	13.4	14.3	15.2
	3H	15.8	16.6	16.6	17.4	18.3	13.7	14.5	14.5	15.3	16.2
	4H	16.7	17.4	17.5	18.2	19.2	14.1	14.8	14.9	15.6	16.5
	6H	17.4	18.1	18.3	18.9	19.9	14.2	14.8	15.0	15.6	16.6
	8H	17.8	18.3	18.6	19.2	20.2	14.2	14.7	15.0	15.6	16.6
	12H	18.0	18.5	18.9	19.4	20.4	14.1	14.6	14.9	15.5	16.5
8H	4H	16.8	17.3	17.6	18.2	19.2	14.5	15.0	15.3	15.9	16.9
	6H	17.7	18.2	18.6	19.0	20.1	14.7	15.2	15.6	16.1	17.1
	8H	18.1	18.5	19.0	19.4	20.5	14.8	15.2	15.7	16.1	17.2
	12H	18.5	18.8	19.4	19.7	20.8	14.8	15.1	15.7	16.0	17.1
12H	4H	16.7	17.2	17.5	18.1	19.1	14.5	15.0	15.4	15.9	16.9
	6H	17.7	18.1	18.6	19.0	20.1	14.9	15.3	15.8	16.2	17.3
	8H	18.2	18.5	19.1	19.4	20.5	15.0	15.4	15.9	16.3	17.4
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, 5217 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.7$)
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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

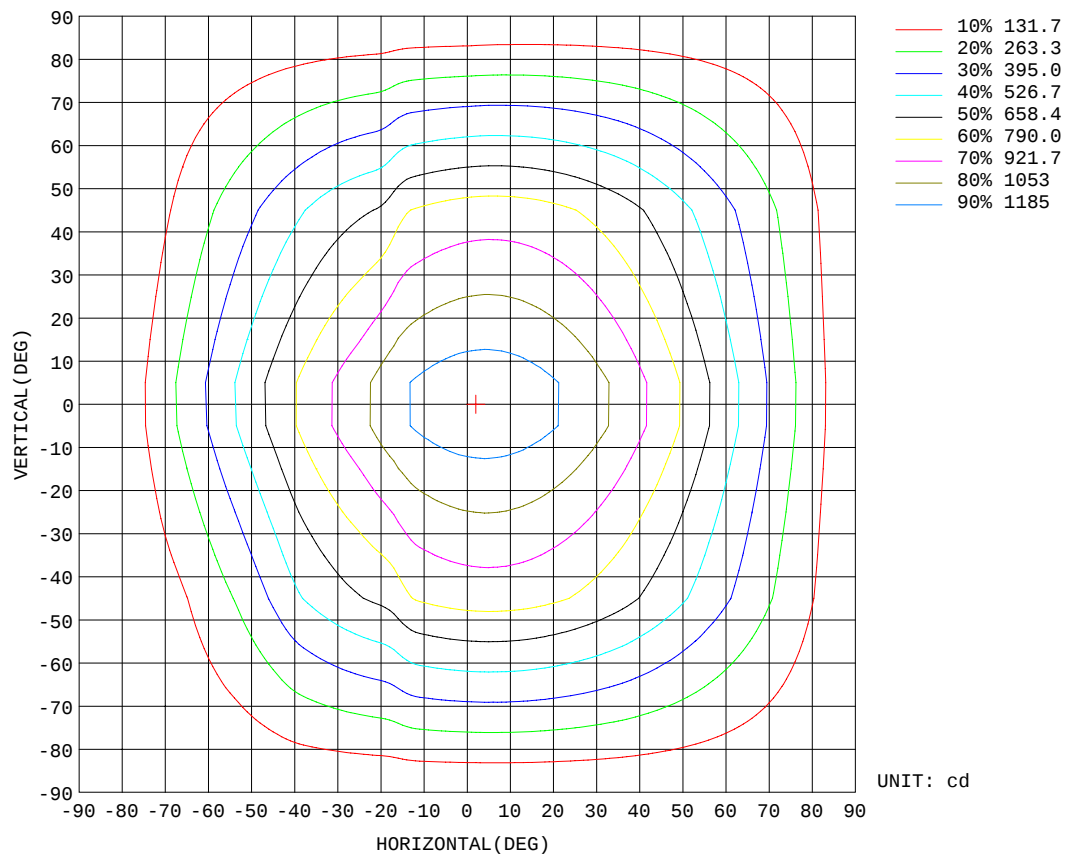
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	37	30	46	36	30	43	34	28	21
0.80	58	46	39	55	44	38	50	42	36	27
1.00	66	54	47	62	52	45	57	50	43	32
1.25	73	61	54	69	59	52	62	55	49	37
1.50	78	67	60	74	64	58	66	59	54	40
2.00	85	75	68	80	72	66	72	66	61	46
2.50	89	81	74	84	77	71	75	69	65	48
3.00	92	85	79	87	81	75	78	73	69	51
4.00	97	90	85	91	86	81	81	77	74	54
5.00	99	94	89	94	89	85	83	80	77	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:2022-09-06

$V(B)$ 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:

ISOCANDELA DIAGRAM

Test:U:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

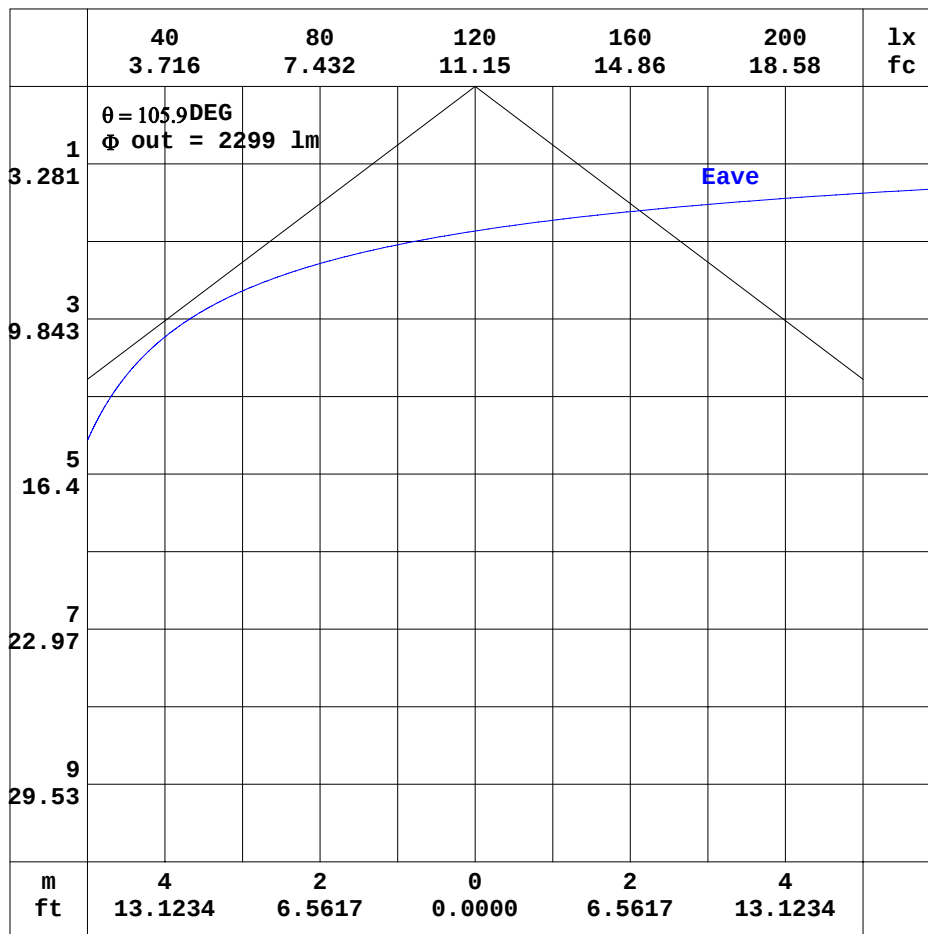


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:



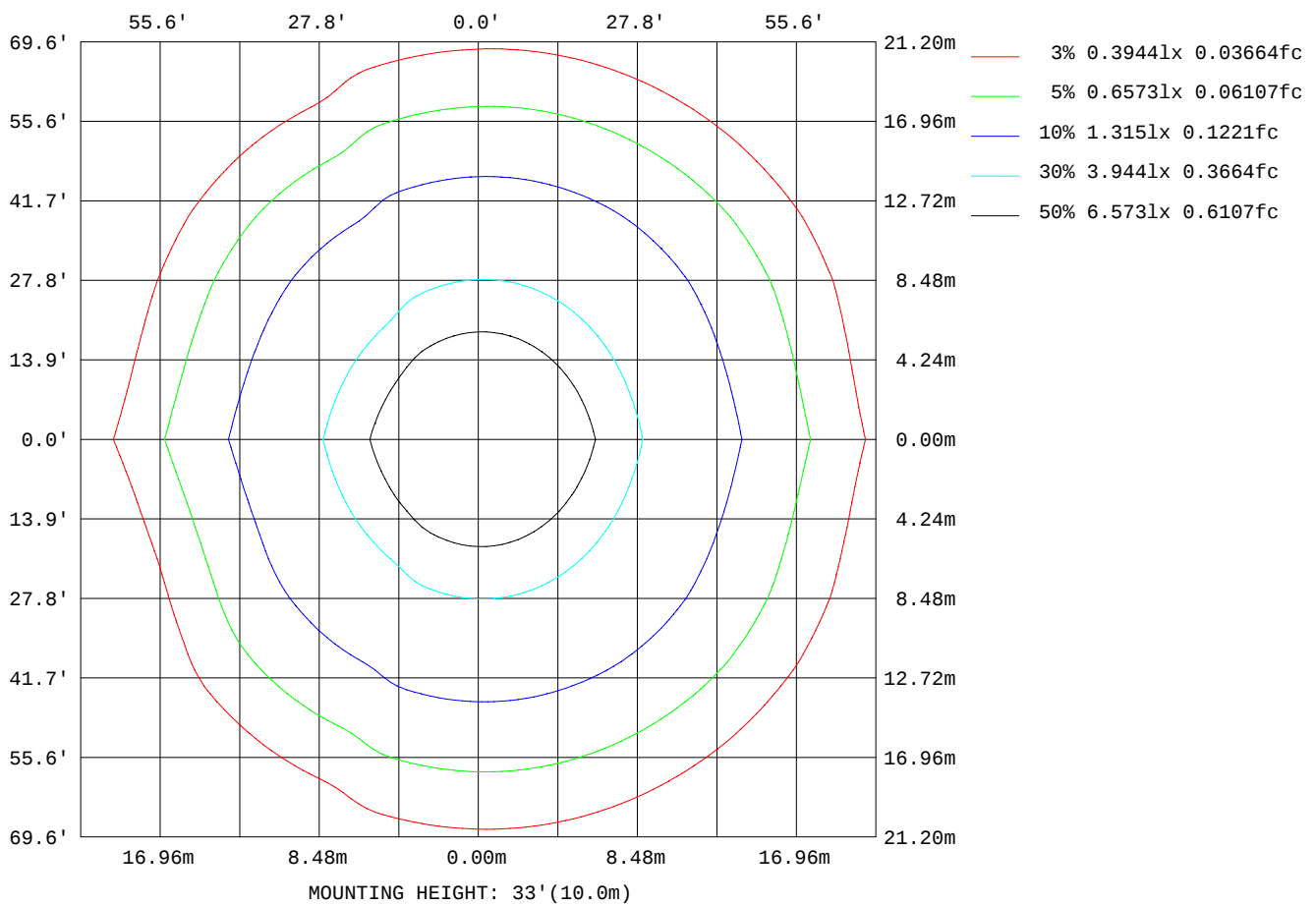
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

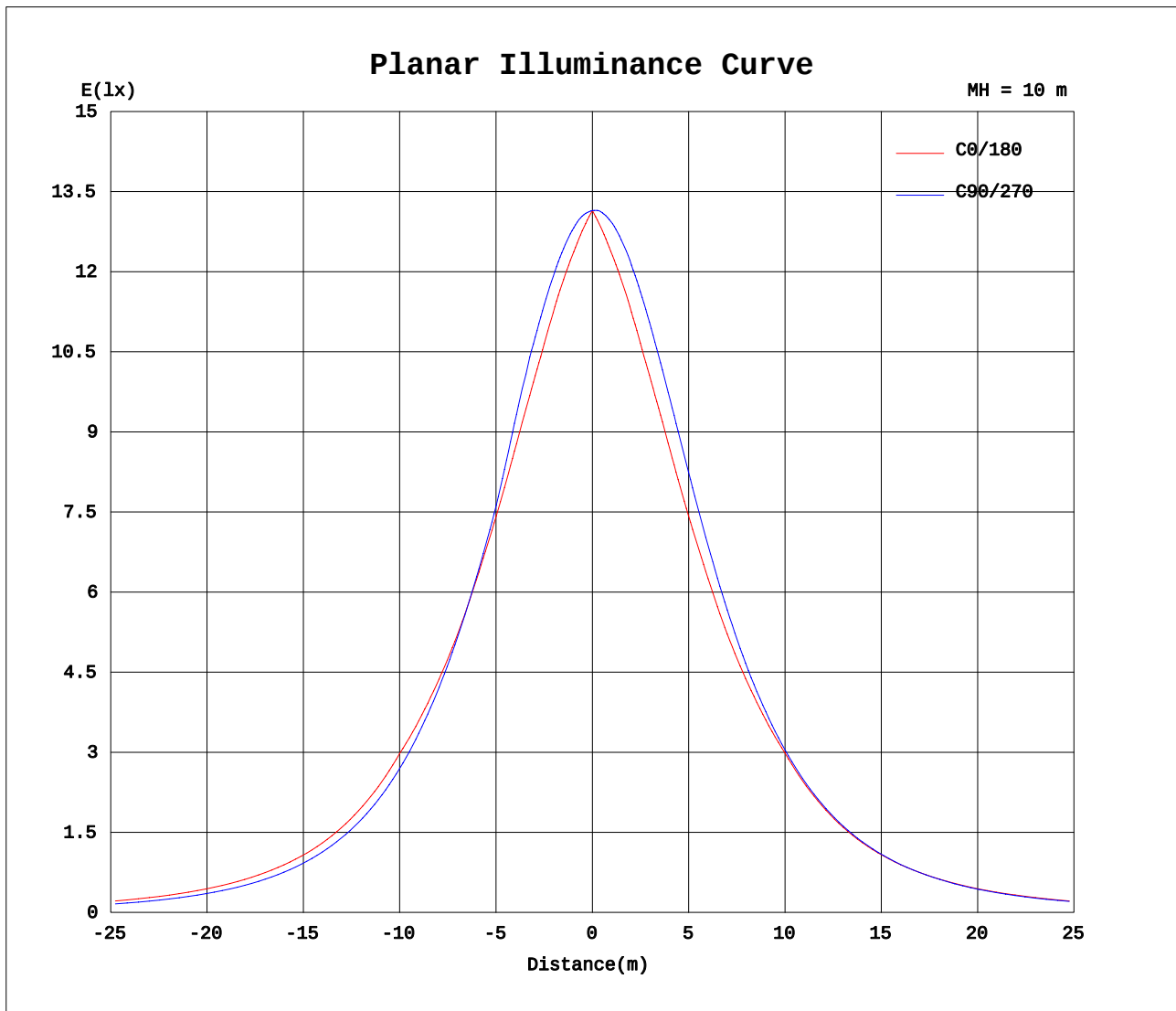
AvgL	cd/m2
L_0~180(65)av	2316
L_0~180(75)av	2277
L_0~180(85)av	2294
L_90~270(65)av	2038
L_90~270(75)av	1722
L_90~270(85)av	802
L_45(65)av	2146
L_45(75)av	2063
L_45(85)av	2134

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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315
5	1260	1259	1259	1259	1259	1260	1261	1262	1264	1266	1269	1272	1275	1279	1283	1288	1292	1297	1303
10	1210	1210	1209	1209	1210	1210	1210	1211	1212	1214	1216	1218	1220	1227	1236	1245	1255	1265	1276
15	1155	1153	1151	1150	1149	1149	1150	1153	1157	1161	1167	1169	1170	1172	1175	1186	1202	1219	1237
20	1106	1104	1103	1100	1098	1095	1093	1090	1086	1084	1088	1096	1107	1110	1107	1107	1126	1152	1182
25	1051	1047	1043	1039	1036	1034	1034	1033	1030	1015	1001	991	1003	1019	1026	1021	1024	1056	1092
30	1002	999	994	989	983	976	960	933	924	925	930	920	909	916	937	947	947	974	1013
35	947	941	934	928	922	911	893	873	853	837	831	840	847	837	845	874	872	890	937
40	898	893	887	878	867	836	795	780	778	778	769	753	759	772	757	777	794	799	854
45	842	835	827	818	799	760	735	726	710	693	692	696	674	674	684	665	710	695	763
50	752	747	742	737	716	669	657	652	647	643	619	598	605	573	574	572	595	601	667
55	656	650	644	637	607	580	579	579	569	555	548	536	481	486	456	486	474	507	569
60	565	561	556	550	518	493	488	481	480	481	463	414	409	367	378	358	377	416	468
65	469	464	459	449	419	409	408	407	398	381	353	342	300	284	265	281	297	322	368
70	377	374	371	365	337	327	323	315	307	299	283	246	215	210	182	172	180	207	269
75	283	280	276	266	248	245	243	239	235	223	194	164	157	136	121	101	111	127	172
80	190	189	187	183	168	165	163	158	153	138	121	110	102	82.6	69.9	54.3	37.4	38.6	77.6
85	96.2	95.2	93.9	89.8	83.9	83.0	81.9	80.2	77.9	72.0	64.5	57.2	51.2	41.5	31.9	28.8	12.4	2.59	5.41
90	2.93	2.97	2.97	2.99	3.04	3.09	3.18	3.30	3.41	3.51	3.60	3.68	3.79	4.07	4.38	4.70	5.06	5.51	1.24
95	51.9	52.4	50.6	51.8	46.6	46.5	49.0	49.9	50.1	50.6	51.0	51.2	51.0	52.3	52.3	58.4	60.2	63.7	83.6
100	101	102	100	99.9	95.6	88.7	94.7	96.7	96.6	96.5	96.4	97.7	99.0	100	105	107	115	112	133
105	150	151	146	149	138	131	140	144	146	147	146	143	148	148	159	161	160	164	183
110	198	200	199	196	193	173	185	190	190	194	198	197	196	203	204	199	199	208	215
115	248	250	243	245	238	217	227	238	242	241	243	253	251	251	241	249	258	269	281
120	296	299	299	291	296	263	269	282	289	296	297	297	300	289	296	286	295	315	333
125	346	349	342	339	346	318	305	325	337	340	339	339	329	337	330	345	342	358	382
130	393	397	400	388	396	376	346	363	371	375	371	366	373	369	376	380	393	399	430
135	444	446	443	430	433	429	399	378	390	394	398	404	402	407	416	415	436	436	478
140	468	472	473	463	453	458	431	404	411	420	424	424	430	440	443	455	466	473	520
145	496	498	495	484	477	479	482	473	444	440	445	452	458	459	466	478	486	497	542
150	520	523	525	520	509	501	504	500	486	479	478	477	480	485	495	500	504	516	569
155	549	550	548	543	535	529	527	529	533	532	520	506	512	520	525	529	534	549	594
160	572	575	577	577	572	565	557	552	552	556	560	564	569	570	566	562	570	583	604
165	601	602	602	601	598	595	592	589	588	588	588	587	588	591	594	599	605	612	587
170	624	626	627	629	630	631	631	628	626	622	620	618	615	618	622	627	632	637	591
175	653	653	654	655	655	656	657	658	658	659	660	661	663	665	667	669	672	675	659
180	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	675

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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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

γ (DEG) \ C (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315
5	1297	1292	1288	1283	1279	1275	1272	1269	1266	1264	1262	1261	1260	1259	1259	1259	1259	1260	1261
10	1265	1255	1245	1236	1227	1220	1218	1216	1214	1212	1211	1211	1210	1210	1210	1210	1210	1211	1212
15	1219	1203	1187	1176	1173	1170	1168	1167	1161	1157	1153	1150	1149	1149	1150	1152	1154	1156	1159
20	1152	1125	1107	1107	1112	1110	1099	1092	1087	1087	1090	1093	1095	1098	1101	1104	1106	1108	1110
25	1055	1022	1018	1023	1016	1000	987	1002	1020	1034	1034	1034	1034	1036	1039	1043	1048	1053	1057
30	973	946	945	934	912	904	914	924	921	924	940	965	976	983	990	996	1001	1004	1007
35	890	871	872	842	834	842	834	824	829	846	879	901	915	922	928	935	942	949	954
40	798	793	775	754	768	755	748	762	769	768	769	795	846	868	878	887	895	900	904
45	697	711	669	683	671	669	691	686	685	700	713	731	771	805	817	827	836	845	851
50	606	605	585	586	581	602	593	613	635	637	640	643	671	724	736	743	749	755	759
55	516	491	507	483	508	500	534	542	547	561	568	566	576	617	638	644	651	658	665
60	427	398	389	416	408	440	439	461	474	473	473	478	484	526	550	556	562	567	571
65	335	323	319	312	338	348	369	366	377	392	400	400	401	422	452	459	464	470	477
70	218	204	212	237	263	261	277	296	299	302	310	317	320	341	366	371	375	379	383
75	134	129	138	166	178	194	195	211	224	232	235	238	239	246	269	275	279	283	289
80	39.2	43.7	71.6	98.0	111	128	132	136	144	150	156	159	161	168	183	186	188	191	195
85	3.59	14.1	37.5	44.0	56.2	64.9	68.6	71.7	74.6	76.8	78.5	79.9	80.6	81.9	90.4	93.0	94.3	95.8	100
90	7.81	7.24	6.51	5.73	5.03	4.76	4.38	3.95	3.47	2.98	2.54	2.31	2.10	2.04	2.03	2.04	1.96	3.56	7.12
95	48.4	42.4	38.8	36.8	40.7	44.6	46.7	49.3	48.8	47.0	45.3	46.1	43.7	43.9	45.5	41.0	43.7	49.2	52.1
100	91.9	75.4	68.5	74.3	77.9	85.9	88.3	92.1	93.1	90.6	88.7	89.6	84.9	90.4	88.1	75.4	94.7	97.5	98.8
105	143	120	110	118	121	129	130	142	139	135	134	133	126	131	132	118	129	143	144
110	181	161	158	163	175	173	186	192	183	176	177	175	167	180	172	148	188	191	190
115	252	235	223	213	224	231	247	234	227	222	227	216	209	223	216	192	218	238	237
120	303	279	266	277	271	294	289	282	271	268	269	256	253	269	250	224	282	285	282
125	349	330	334	319	333	324	327	320	310	319	308	295	305	312	295	260	315	332	330
130	396	392	379	376	366	367	356	351	362	357	346	335	356	352	317	316	377	379	373
135	442	443	419	419	407	398	395	391	389	382	373	386	396	385	357	331	412	426	424
140	489	480	466	450	444	433	427	427	419	410	402	418	418	397	364	418	452	454	447
145	521	507	498	482	474	472	463	453	445	444	458	446	435	418	397	416	473	481	480
150	549	534	529	520	507	497	491	486	481	480	480	465	449	427	446	497	509	509	504
155	578	563	554	546	537	526	517	518	511	497	489	479	466	457	468	509	531	537	537
160	593	583	574	568	558	546	537	529	521	514	505	492	493	518	549	562	565	564	561
165	582	577	571	564	557	552	545	537	530	526	525	527	535	551	571	583	589	592	592
170	587	582	578	573	567	562	560	562	568	579	591	603	612	617	620	620	620	620	618
175	654	649	645	641	639	637	637	637	637	639	640	641	643	644	645	646	646	647	647
180	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675

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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315
5	1262	1264	1266	1268	1270	1273	1276	1279	1283	1286	1289	1293	1297	1301	1305	1309	1313	1309	1305
10	1214	1216	1218	1221	1225	1229	1233	1238	1244	1251	1258	1264	1269	1276	1283	1290	1297	1290	1282
15	1162	1166	1170	1173	1177	1180	1184	1188	1192	1200	1210	1221	1233	1241	1249	1257	1267	1257	1248
20	1112	1114	1117	1121	1125	1130	1137	1141	1145	1148	1152	1163	1179	1196	1206	1214	1224	1214	1205
25	1061	1064	1067	1069	1070	1071	1072	1079	1088	1099	1101	1103	1112	1133	1155	1161	1170	1161	1154
30	1009	1011	1013	1015	1018	1023	1022	1020	1017	1025	1039	1046	1044	1058	1088	1099	1105	1098	1086
35	958	961	962	961	958	954	957	963	965	957	955	973	981	976	1007	1028	1031	1027	1005
40	906	907	907	907	908	907	898	888	888	897	890	881	905	904	916	951	950	950	914
45	855	857	856	852	844	838	837	837	823	807	818	813	805	833	818	870	862	869	815
50	764	768	774	780	788	789	774	756	755	753	726	733	724	733	734	770	767	768	731
55	671	676	680	682	683	685	694	707	686	662	667	638	648	622	653	663	666	661	649
60	575	579	582	586	591	596	594	589	596	610	572	572	540	555	552	551	564	548	547
65	482	486	488	490	489	488	491	497	499	487	500	484	475	445	434	441	458	438	428
70	387	389	391	394	396	399	400	395	387	392	397	385	393	381	369	363	356	359	362
75	292	296	298	299	299	299	296	295	297	301	289	291	288	299	272	258	255	252	262
80	198	200	202	203	204	205	206	206	206	201	194	197	194	200	204	179	156	172	191
85	103	106	108	109	111	112	112	111	110	109	107	108	110	100	102	108	61.7	95.4	88.5
90	9.32	11.5	13.4	15.1	16.7	18.1	19.4	20.5	21.5	22.4	23.1	23.7	24.1	24.3	24.4	24.5	1.82	9.96	10.1
95	55.0	57.2	58.0	58.5	58.7	58.5	57.9	56.9	55.4	53.1	50.0	47.7	44.0	28.3	14.4	4.95	6.69	5.32	12.3
100	103	103	102	102	101	99.5	97.8	95.9	93.2	87.2	79.6	76.2	66.0	55.2	31.8	23.7	12.1	27.7	43.2
105	149	150	149	147	144	140	136	132	130	127	115	109	97.1	90.4	75.8	70.1	73.9	74.6	83.6
110	196	195	193	191	188	186	182	175	166	163	159	144	141	136	130	129	127	131	135
115	241	244	240	236	231	225	222	220	215	202	202	189	184	169	165	169	177	170	167
120	289	289	286	283	281	278	270	260	258	259	237	237	219	227	226	226	229	223	226
125	333	339	335	329	323	318	317	318	302	287	289	272	277	263	280	285	280	280	277
130	381	384	381	379	377	372	358	344	341	338	321	325	319	323	323	342	332	336	319
135	421	429	425	416	407	398	395	392	381	368	373	369	364	378	369	397	383	390	364
140	449	454	451	447	443	440	431	420	418	422	415	408	421	419	424	443	433	437	419
145	476	479	481	476	470	465	465	466	464	456	453	462	465	460	477	488	480	482	472
150	503	505	507	506	504	504	502	499	494	497	504	505	502	509	524	529	525	523	519
155	534	532	533	534	533	530	529	531	536	541	541	540	543	555	566	568	562	558	556
160	559	559	560	561	563	564	566	567	566	567	569	574	582	591	597	601	592	589	586
165	592	591	590	590	590	591	592	592	593	596	601	606	612	615	618	622	619	616	613
170	617	617	617	617	618	619	621	623	626	629	632	634	636	638	641	643	645	642	640
175	648	648	649	649	649	650	650	651	652	653	655	656	657	659	661	663	664	663	661
180	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	676	676	676

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:118.80V I:0.3950A P:46.500W PF:0.9920 Freq:50.00Hz Lamp Flux:5217.44x1 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	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315				
5	1300	1297	1293	1289	1286	1282	1279	1276	1273	1270	1268	1265	1263	1262	1261				
10	1276	1269	1263	1257	1250	1244	1238	1232	1228	1224	1220	1218	1215	1214	1212				
15	1240	1232	1220	1209	1199	1191	1187	1183	1179	1175	1172	1168	1165	1161	1158				
20	1195	1177	1162	1150	1146	1143	1139	1135	1128	1123	1119	1115	1113	1110	1109				
25	1132	1110	1100	1098	1096	1085	1076	1069	1067	1067	1066	1065	1062	1059	1055				
30	1056	1041	1043	1036	1021	1012	1016	1018	1018	1014	1012	1009	1008	1006	1005				
35	973	978	969	950	952	960	957	951	948	952	956	957	957	955	952				
40	901	901	876	885	891	881	881	891	900	901	901	902	902	902	901				
45	829	801	807	811	799	815	829	828	829	836	844	849	851	851	848				
50	728	718	726	718	744	746	746	764	779	779	772	766	762	759	755				
55	616	641	629	658	652	675	697	684	674	673	673	672	670	666	662				
60	548	531	562	561	598	584	578	583	586	581	577	574	572	570	567				
65	436	465	473	487	475	487	485	480	477	479	481	481	480	477	474				
70	371	380	372	385	380	375	383	389	388	386	384	383	382	381	380				
75	286	274	278	276	288	285	283	285	288	289	290	290	289	288	286				
80	187	180	184	181	188	193	194	195	195	194	194	193	193	192	191				
85	86.5	96.0	94.0	93.3	95.8	97.8	99.2	100	101	101	100	100.0	99.3	98.4	97.3				
90	10.1	10.1	9.94	9.70	9.30	8.84	8.25	7.60	6.96	6.28	5.68	5.07	4.52	3.96	3.28				
95	24.8	37.8	40.1	41.7	44.4	46.5	48.1	49.4	50.4	51.1	51.6	52.0	51.9	51.6	51.6				
100	60.0	66.6	74.2	76.1	82.8	88.2	90.6	92.4	94.0	95.5	96.9	98.0	98.7	98.9	99.5				
105	100	103	112	116	127	128	130	133	138	141	144	146	147	147	149				
110	142	150	151	164	166	167	176	183	186	188	190	192	193	194	196				
115	174	191	198	210	209	220	224	225	228	233	238	241	243	244	246				
120	229	223	243	245	269	266	267	276	283	285	287	288	289	290	292				
125	263	279	276	295	295	311	327	325	325	330	335	338	339	341	343				
130	321	319	327	325	344	348	352	367	380	385	385	385	385	386	390				
135	375	363	370	376	372	386	398	400	405	413	421	427	431	436	441				
140	416	419	408	416	424	421	424	434	443	447	450	453	456	460	464				
145	456	462	461	453	457	464	466	465	466	472	477	481	486	490	494				
150	504	498	502	500	494	491	496	501	504	504	506	508	510	513	517				
155	546	536	532	534	536	531	528	527	529	532	535	538	541	544	547				
160	582	574	567	562	562	563	565	565	564	563	564	564	566	568	570				
165	611	609	603	598	594	591	591	592	593	594	595	596	597	598	599				
170	638	636	635	633	630	628	625	624	622	621	621	621	621	622	623				
175	660	658	657	656	655	654	654	653	653	652	652	652	652	652	653				
180	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676				

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: