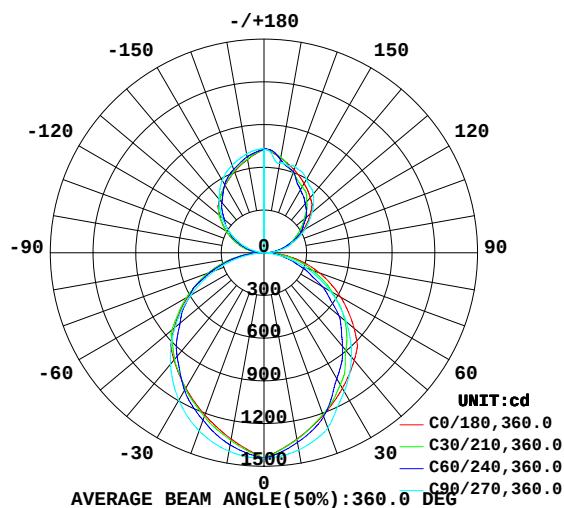


LUMINAIRE PHOTOMETRIC TEST REPORT

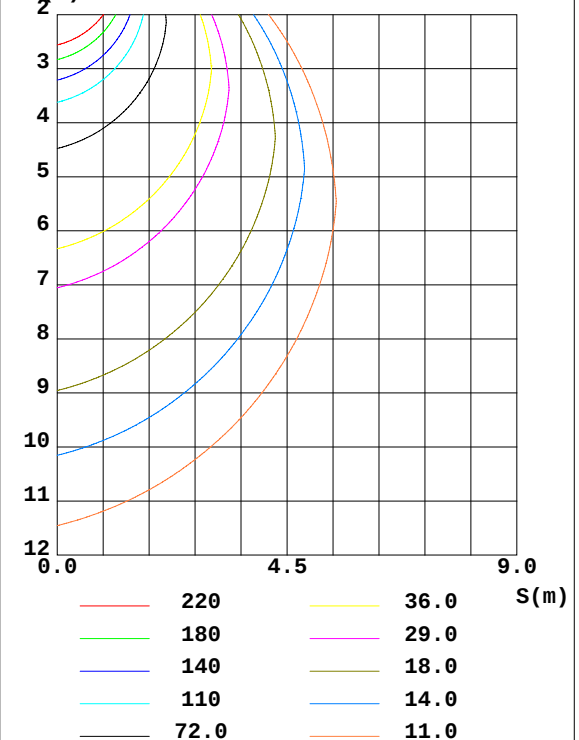
Test:U:118.80V I:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.37 lm/W			
MODEL	4000k	Imax(cd)	1443	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)	5679.4	η UP, DN(C0-180)	16.7, 31.7
NOMINAL FLUX(lm)	5679.39	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	17.0, 34.7
LAMPS INSIDE	1	η up(%)	33.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	66.3	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:

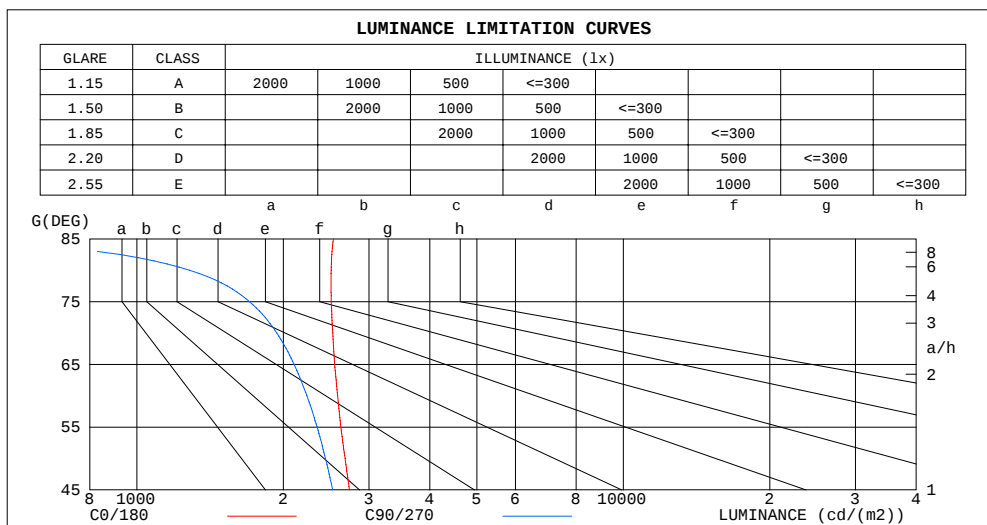
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1329	1340	1406	1339	1328	1352	1415	1352	0- 10	132.3	132.3	2.33, 2.33
20	1215	1208	1309	1208	1214	1238	1331	1237	10- 20	366.1	498.4	8.77, 8.77
30	1101	1035	1127	1025	1099	1102	1196	1099	20- 30	536.5	1035	18.2, 18.2
40	986.6	871.3	955.9	855.8	984.1	954.7	1021	949.8	30- 40	634.9	1670	29.4, 29.4
50	826.6	725.2	753.5	709.2	824.0	808.4	815.4	800.9	40- 50	661.2	2331	41, 41
60	620.8	546.9	536.7	533.5	618.8	622.8	592.9	614.4	50- 60	598.2	2929	51.6, 51.6
70	414.9	345.7	318.3	341.1	413.5	408.8	364.4	402.5	60- 70	460.8	3390	59.7, 59.7
80	209.1	161.9	106.9	165.2	208.2	205.6	146.9	201.8	70- 80	282.3	3672	64.7, 64.7
90	3.284	2.421	1.218	2.153	2.912	8.274	6.549	7.271	80- 90	94.18	3766	66.3, 66.3
100	108.8	98.27	117.7	94.51	103.9	98.39	42.77	101.0	90-100	52.04	3819	67.2, 67.2
110	214.3	200.0	207.6	187.9	204.8	192.3	160.9	198.5	100-110	149.6	3968	69.9, 69.9
120	319.8	307.5	334.0	279.7	305.8	293.6	271.5	302.8	110-120	239.9	4208	74.1, 74.1
130	425.3	390.9	440.4	375.1	406.7	387.2	383.0	396.3	120-130	307.1	4515	79.5, 79.5
140	506.4	440.6	539.4	440.0	487.2	467.3	491.2	472.7	130-140	335.2	4850	85.4, 85.4
150	562.9	511.4	597.7	511.8	547.0	547.7	586.9	547.6	140-150	318.0	5168	91, 91
160	619.5	592.3	642.4	560.8	606.9	615.4	655.0	617.1	150-160	265.8	5434	95.7, 95.7
170	676.0	672.6	637.0	598.7	666.8	676.1	705.1	679.5	160-170	179.5	5614	98.8, 98.8
180	732.6	732.6	726.7	726.7	726.7	726.7	732.6	732.6	170-180	65.82	5679	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:118.80V I:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:



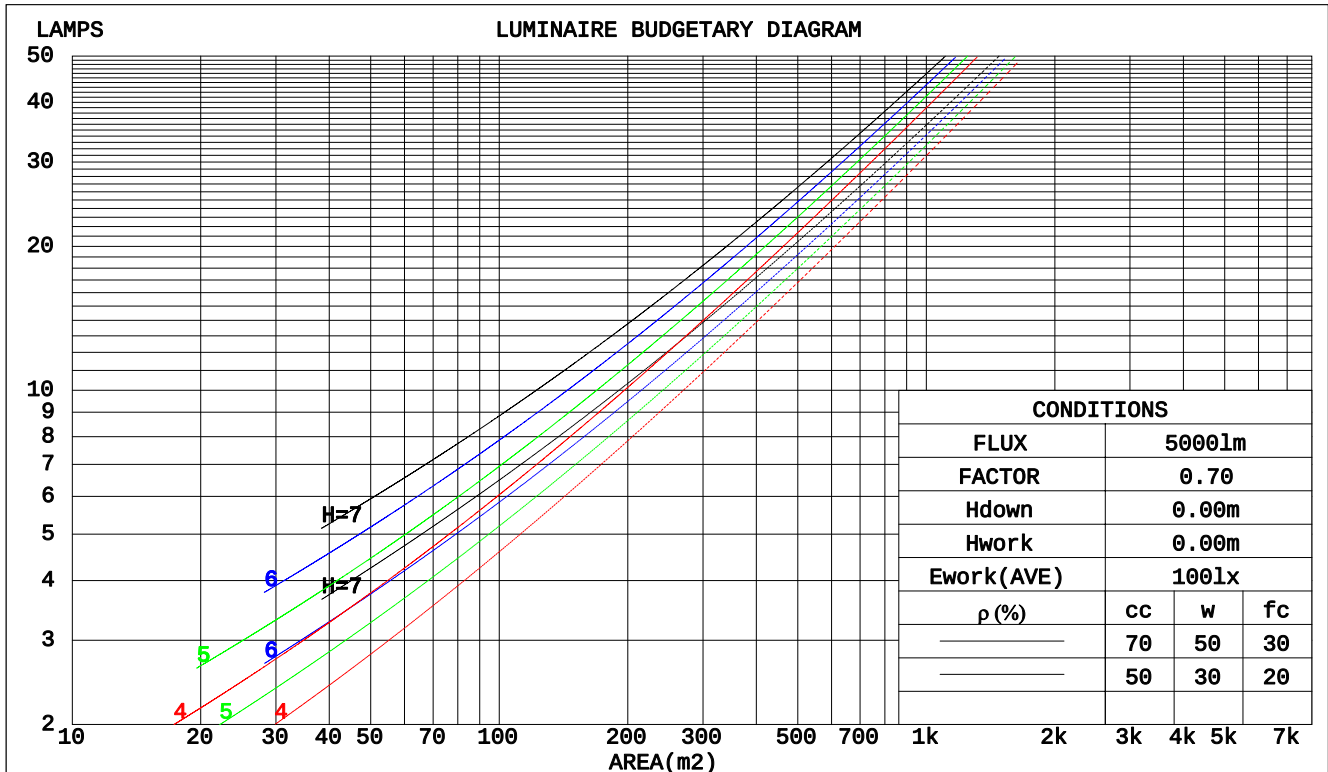
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:118.80V I:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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	.92	.92	.92	.81	.81	.81	.71	.71	.71	.66
1.0	.96	.92	.89	.91	.87	.84	.81	.78	.75	.71	.69	.67	.62	.61	.59	.55
2.0	.84	.77	.72	.79	.73	.69	.70	.66	.62	.62	.59	.56	.54	.52	.50	.46
3.0	.74	.66	.60	.70	.63	.57	.62	.56	.52	.55	.50	.47	.48	.45	.42	.38
4.0	.65	.57	.50	.62	.54	.48	.55	.49	.44	.49	.44	.40	.43	.39	.36	.33
5.0	.58	.50	.43	.55	.47	.41	.49	.43	.38	.44	.39	.35	.39	.35	.31	.28
6.0	.52	.44	.38	.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	.28	.24	.22
8.0	.43	.35	.29	.41	.33	.28	.37	.30	.26	.33	.28	.24	.29	.25	.22	.20
9.0	.39	.31	.26	.37	.30	.25	.34	.28	.23	.30	.25	.22	.27	.23	.20	.18
10.0	.36	.29	.24	.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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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	.297	.169	.054	.280	.160	.051	.248	.142	.045	.218	.126	.040	.191	.111	.036	
2.0	.276	.151	.046	.260	.143	.044	.231	.128	.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	.221	.116	.034	.197	.105	.031	.175	.094	.028	.153	.083	.025	
5.0	.217	.110	.032	.205	.105	.031	.183	.095	.028	.162	.085	.025	.142	.076	.023	
6.0	.201	.101	.029	.190	.096	.028	.170	.087	.025	.150	.078	.023	.133	.070	.021	
7.0	.187	.093	.026	.177	.088	.025	.158	.080	.023	.141	.072	.021	.124	.064	.019	
8.0	.175	.085	.024	.166	.082	.023	.148	.074	.021	.132	.067	.019	.116	.060	.017	
9.0	.164	.079	.022	.155	.076	.021	.139	.069	.020	.124	.062	.018	.109	.056	.016	
10.0	.154	.074	.021	.146	.071	.020	.131	.064	.018	.117	.058	.016	.103	.052	.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	.447	.447	.447	.382	.382	.382	.261	.261	.261	.150	.150	.150	.048	.048	.048	
1.0	.438	.415	.394	.375	.356	.339	.256	.245	.235	.148	.142	.136	.047	.046	.044	
2.0	.431	.392	.360	.369	.338	.312	.253	.234	.217	.146	.136	.127	.047	.044	.042	
3.0	.423	.376	.338	.363	.324	.293	.249	.225	.206	.144	.132	.121	.046	.043	.040	
4.0	.416	.364	.324	.357	.314	.281	.246	.219	.198	.142	.128	.117	.046	.042	.038	
5.0	.409	.354	.313	.352	.306	.272	.242	.214	.192	.140	.126	.114	.045	.041	.038	
6.0	.403	.346	.306	.346	.300	.266	.239	.210	.188	.139	.123	.112	.045	.040	.037	
7.0	.396	.340	.300	.341	.295	.262	.236	.207	.185	.137	.122	.110	.044	.040	.036	
8.0	.390	.334	.296	.336	.290	.258	.233	.204	.183	.135	.120	.109	.044	.039	.036	
9.0	.385	.330	.293	.332	.286	.255	.230	.201	.181	.134	.119	.108	.043	.039	.036	
10.0	.380	.326	.290	.327	.283	.253	.227	.199	.180	.132	.118	.107	.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

$V(\beta)$ 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:118.80V I:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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	12.7	13.8	13.4	14.5	15.3
	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	17.1	18.0	17.9	18.8	19.7	14.3	15.2	15.1	15.9	16.9
	8H	17.4	18.2	18.1	19.0	19.9	14.3	15.2	15.1	15.9	16.8
	12H	17.5	18.3	18.3	19.1	20.0	14.3	15.1	15.0	15.8	16.8
4H	2H	14.4	15.4	15.2	16.1	17.0	13.4	14.3	14.1	15.1	15.9
	3H	16.3	17.1	17.1	17.9	18.8	14.5	15.3	15.3	16.1	17.1
	4H	17.2	17.9	18.0	18.7	19.7	15.0	15.7	15.8	16.5	17.4
	6H	17.9	18.6	18.8	19.4	20.4	15.2	15.8	16.0	16.6	17.6
	8H	18.2	18.8	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	15.3	15.9	16.2	16.7	17.8
	6H	18.2	18.7	19.1	19.5	20.6	15.7	16.2	16.6	17.0	18.1
	8H	18.6	19.0	19.5	19.9	21.0	15.8	16.2	16.7	17.1	18.2
	12H	19.0	19.3	19.9	20.2	21.3	15.8	16.2	16.7	17.1	18.2
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	18.6	19.1	19.5	20.6	15.8	16.3	16.7	17.1	18.2
	8H	18.7	19.0	19.6	19.9	21.0	16.0	16.3	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 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.7 / - 0.6					

CIE Pub.117, 5679 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.0$)
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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

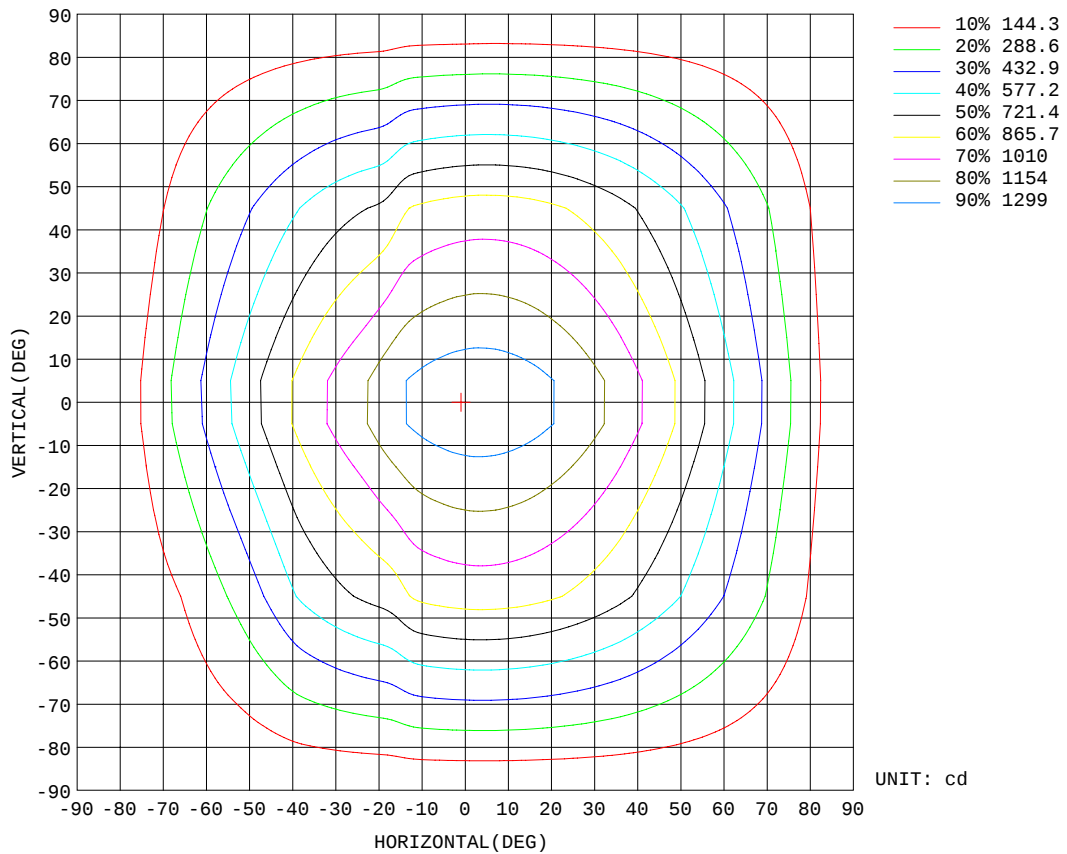
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	37	30	46	36	30	43	34	28	21
0.80	58	46	39	55	45	38	51	42	36	27
1.00	66	54	47	63	52	46	57	50	43	33
1.25	73	62	54	69	59	53	63	55	49	37
1.50	78	67	60	74	65	58	67	59	54	41
2.00	85	76	69	80	72	66	72	66	61	46
2.50	89	81	74	84	77	71	75	70	65	49
3.00	93	85	79	87	81	76	78	73	69	51
4.00	97	91	85	91	86	81	81	77	74	55
5.00	99	94	90	94	89	85	83	80	77	57
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:118.80V I:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

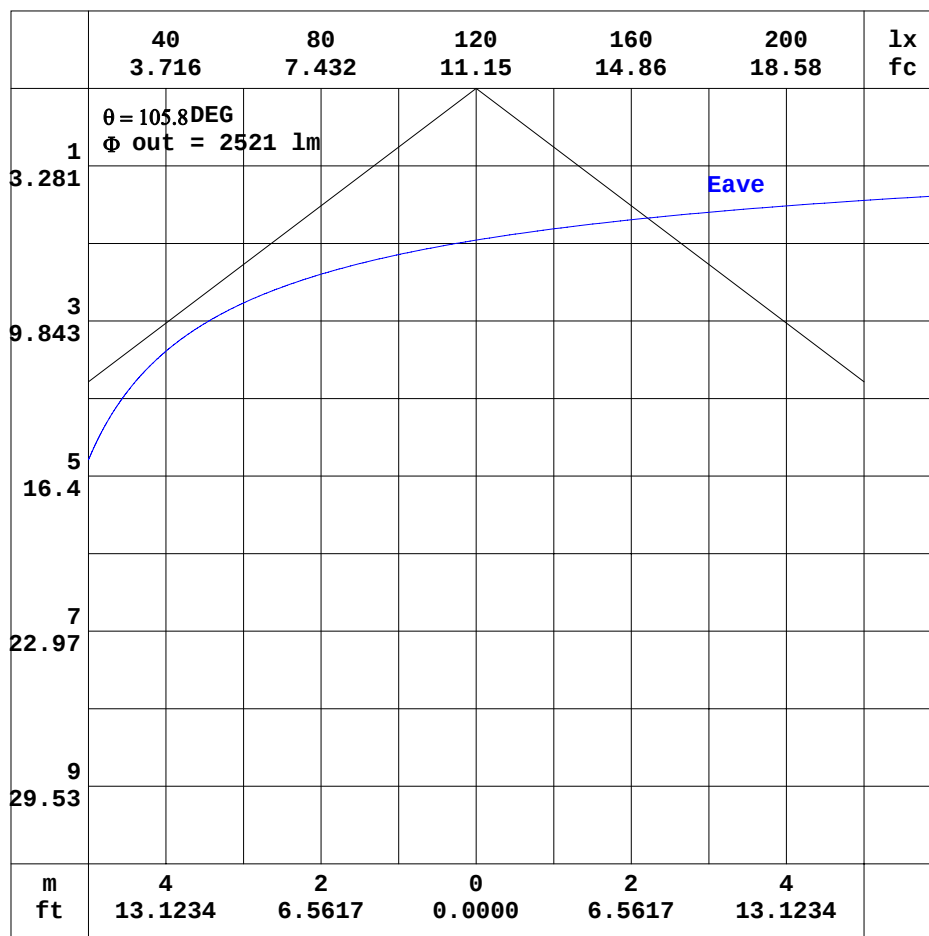


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-06

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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:



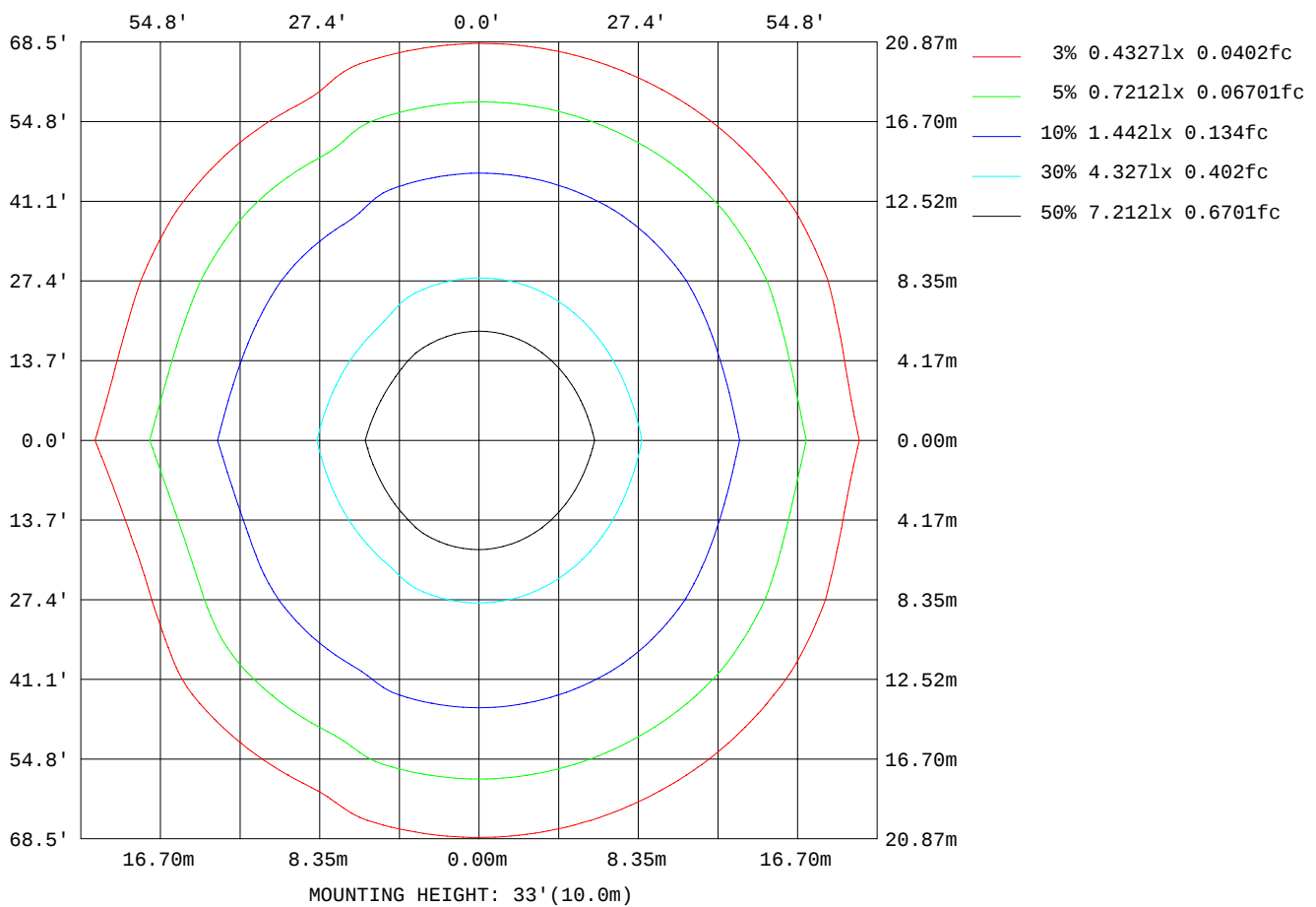
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 lm		
NAME: L-ASF04-U&D-50W	TYPE:Silver	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen Wisdom Light Co., ltd	SUR.:	Shielding Angle:

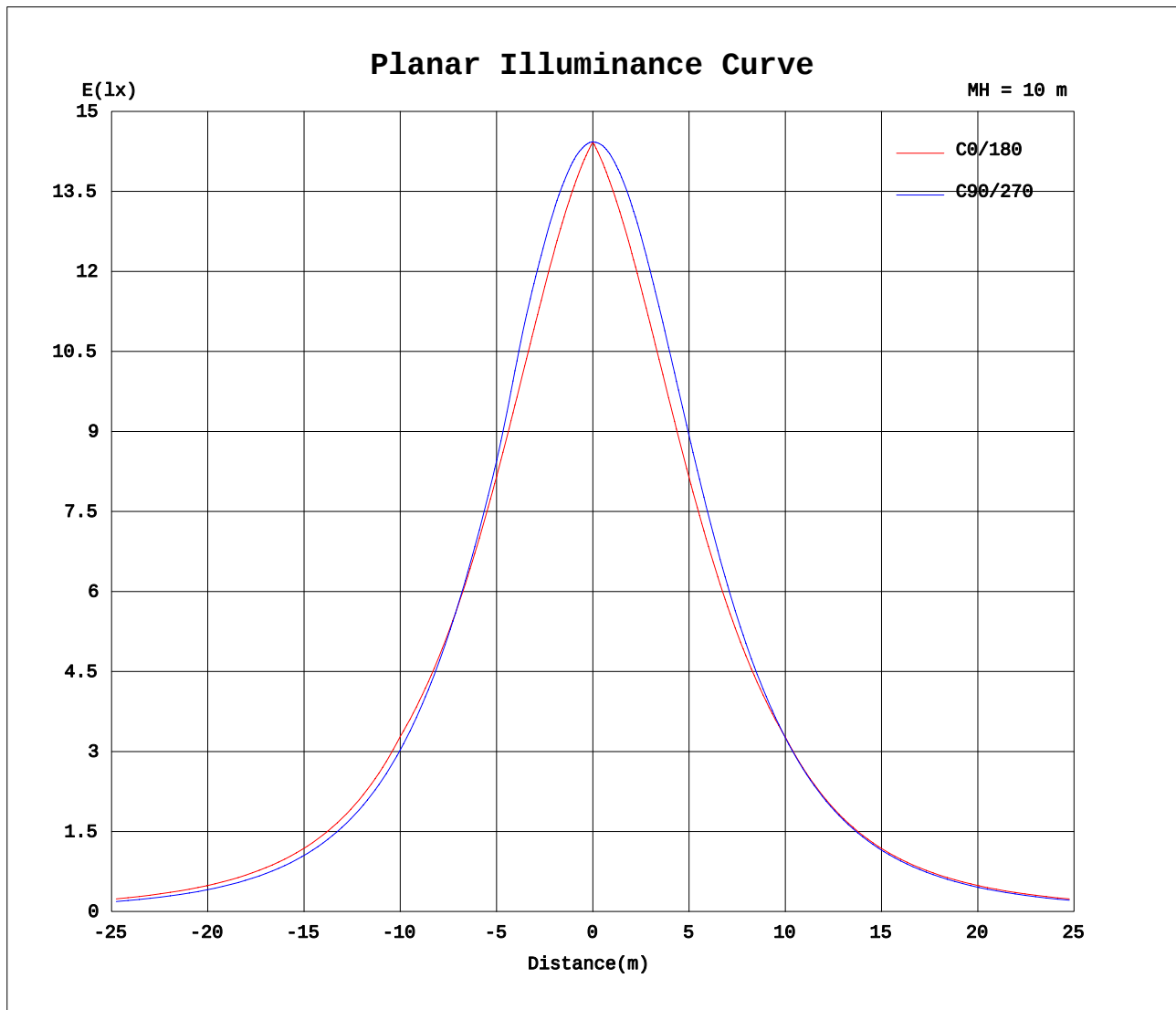
AvgL	cd/m2
L_0~180(65)av	2545
L_0~180(75)av	2503
L_0~180(85)av	2523
L_90~270(65)av	2227
L_90~270(75)av	1876
L_90~270(85)av	740
L_45(65)av	2344
L_45(75)av	2233
L_45(85)av	2238

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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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

γ (DEG) \ C (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443
5	1385	1385	1385	1385	1385	1386	1388	1390	1392	1394	1397	1401	1404	1408	1412	1417	1422	1427	1432
10	1329	1329	1329	1329	1330	1331	1333	1335	1337	1340	1343	1347	1352	1359	1367	1376	1385	1396	1406
15	1271	1269	1268	1268	1269	1269	1271	1274	1278	1282	1288	1292	1296	1301	1308	1319	1333	1349	1365
20	1215	1214	1212	1212	1210	1210	1209	1209	1208	1208	1211	1216	1225	1230	1236	1243	1260	1283	1309
25	1157	1154	1152	1149	1147	1146	1145	1144	1139	1128	1120	1116	1123	1134	1141	1143	1153	1179	1209
30	1101	1099	1096	1092	1088	1083	1071	1049	1037	1035	1035	1028	1023	1030	1047	1059	1068	1093	1127
35	1043	1039	1035	1030	1025	1015	993	971	955	943	937	943	948	946	955	977	986	1006	1045
40	987	983	979	973	964	935	895	879	874	871	865	856	859	867	863	879	897	911	956
45	929	924	918	910	895	851	823	813	801	789	785	784	769	769	775	768	800	804	858
50	827	824	821	818	800	752	743	740	733	725	706	689	686	662	659	660	680	698	753
55	723	720	716	712	683	652	651	652	648	641	629	611	565	557	537	555	557	590	646
60	621	618	616	611	579	555	553	550	548	547	534	493	472	437	438	429	448	485	537
65	517	515	511	504	472	461	461	460	453	442	416	394	359	339	323	333	349	377	427
70	415	413	411	406	377	369	366	361	354	346	324	290	261	250	228	222	232	260	318
75	312	310	308	300	279	277	275	272	267	255	227	200	187	168	152	137	148	167	212
80	209	208	207	203	188	186	184	181	175	162	145	131	120	103	90.1	79.3	67.9	71.2	107
85	106	106	105	102	94.9	94.3	93.4	91.6	88.8	82.1	73.8	65.7	59.3	50.3	41.9	38.4	25.3	6.26	16.4
90	3.28	3.51	3.62	3.54	3.61	3.69	3.75	3.49	2.82	2.42	2.32	2.19	2.49	2.31	2.20	2.11	2.17	2.29	1.22
95	56.1	56.6	54.8	55.5	51.2	49.1	51.5	52.1	51.5	50.5	50.4	49.7	50.6	49.9	49.6	52.8	53.3	53.0	65.8
100	109	110	108	107	102	94.3	99.2	101	100	98.3	97.8	97.4	98.8	98.3	101	103	108	104	118
105	162	163	158	159	150	139	146	150	151	150	148	146	147	151	154	157	154	157	171
110	214	216	213	209	206	185	192	199	200	200	200	199	198	205	206	199	198	207	208
115	267	269	263	260	258	232	237	249	252	252	250	255	255	252	248	252	256	266	277
120	320	322	320	310	318	283	281	295	302	307	308	305	304	295	298	294	303	319	334
125	373	375	371	360	372	342	325	338	353	357	354	350	340	343	340	350	352	368	387
130	425	428	429	414	422	406	371	377	388	391	388	385	386	382	387	393	405	415	440
135	479	480	479	461	461	461	424	404	409	416	417	421	422	425	431	433	450	456	492
140	506	508	508	495	482	490	467	437	436	441	446	447	451	459	465	476	487	496	539
145	535	537	534	523	509	510	515	500	474	469	472	478	484	486	491	501	509	521	566
150	563	565	565	559	545	534	537	538	524	511	507	509	512	517	525	532	538	549	598
155	592	593	593	587	578	567	561	563	568	568	557	545	547	552	559	567	574	587	628
160	619	621	622	622	616	607	597	590	588	592	597	601	605	606	604	602	608	618	642
165	649	649	650	650	648	644	639	634	631	628	626	625	626	630	634	639	645	651	633
170	676	677	678	679	681	681	681	679	676	673	670	667	665	667	669	673	677	682	637
175	705	706	706	707	708	709	710	711	712	713	714	716	717	719	721	723	725	728	687
180	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	727

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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443
5	1427	1422	1417	1412	1408	1404	1400	1397	1394	1391	1389	1387	1386	1385	1384	1384	1384	1385	1386
10	1395	1385	1375	1367	1359	1352	1347	1342	1339	1336	1334	1332	1330	1329	1328	1328	1328	1328	1329
15	1349	1333	1319	1308	1301	1295	1290	1286	1281	1276	1272	1269	1268	1267	1267	1267	1268	1270	1272
20	1282	1259	1241	1235	1231	1226	1218	1212	1208	1206	1206	1207	1207	1208	1210	1211	1212	1214	1214
25	1178	1150	1140	1136	1128	1116	1109	1118	1130	1141	1143	1142	1143	1144	1146	1150	1152	1155	1157
30	1092	1066	1055	1041	1023	1015	1018	1023	1025	1033	1052	1072	1079	1085	1089	1093	1096	1099	1100
35	1005	983	973	950	939	939	932	925	928	940	968	997	1014	1020	1025	1031	1036	1040	1043
40	910	895	875	857	860	850	845	852	856	856	860	889	940	959	968	974	980	984	985
45	805	801	769	771	762	761	773	772	773	783	791	806	855	894	904	912	920	926	928
50	703	690	672	669	667	680	678	693	709	713	718	717	746	802	812	816	820	824	827
55	600	576	579	564	579	580	605	615	624	630	632	629	637	687	707	711	716	720	724
60	497	472	464	479	479	503	512	526	533	534	533	535	537	582	607	611	615	619	621
65	392	378	376	376	397	408	422	423	432	441	446	446	445	471	503	507	511	515	519
70	275	263	270	291	309	311	323	336	341	345	351	355	355	375	404	408	411	413	416
75	177	173	186	205	215	227	231	243	254	260	264	266	266	274	300	305	307	310	313
80	73.9	82.3	104	124	136	148	153	158	165	171	175	178	178	185	202	205	206	208	210
85	6.93	28.0	48.8	56.7	66.5	73.6	77.4	80.7	83.9	86.3	88.2	89.4	89.8	91.4	101	103	104	105	107
90	1.69	1.83	1.91	1.96	2.00	2.13	2.12	2.15	2.15	2.15	2.13	2.14	2.01	1.98	2.11	2.12	2.04	2.91	4.60
95	40.0	36.1	33.5	33.7	37.5	41.6	44.6	48.4	48.6	47.5	46.5	47.8	45.6	47.5	48.6	44.6	46.7	52.9	54.5
100	85.2	70.4	65.4	70.7	75.3	83.1	87.9	94.2	94.5	92.7	91.8	93.3	89.0	96.1	95.0	83.5	98.1	104	105
105	136	116	108	114	119	128	133	145	142	138	139	138	132	142	141	128	138	154	154
110	177	163	159	162	172	176	189	195	188	182	185	183	176	193	187	162	196	205	205
115	248	231	221	216	226	236	250	240	234	228	236	225	220	241	233	206	233	255	254
120	305	284	273	278	278	298	297	289	280	279	280	268	269	288	275	236	296	306	305
125	358	340	339	330	341	335	335	330	323	333	322	310	326	333	319	277	335	356	354
130	412	404	393	388	380	378	370	364	375	373	361	353	385	378	352	317	400	407	404
135	464	457	438	433	423	414	409	409	408	400	392	409	424	415	389	351	440	457	454
140	513	501	486	471	461	452	449	447	440	431	428	452	447	435	397	418	481	487	483
145	546	530	520	506	499	495	487	478	470	470	487	479	470	456	424	443	506	517	515
150	580	565	557	547	536	527	518	512	512	516	511	500	491	466	458	517	543	547	544
155	613	598	587	576	566	558	552	555	548	535	529	523	507	487	497	543	570	577	576
160	631	621	612	606	599	587	577	568	561	557	550	534	520	535	572	596	605	607	606
165	627	621	614	607	603	600	596	588	577	567	559	557	566	586	609	624	633	636	637
170	633	628	623	618	611	605	599	597	599	607	618	632	645	655	662	665	667	667	666
175	683	679	677	675	675	675	676	677	679	682	684	686	689	691	693	694	695	696	697
180	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727

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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443
5	1386	1388	1389	1391	1393	1395	1398	1401	1404	1408	1411	1415	1419	1423	1428	1432	1437	1432	1428
10	1330	1331	1333	1336	1339	1343	1347	1352	1357	1364	1371	1377	1384	1391	1398	1407	1415	1407	1398
15	1273	1276	1278	1281	1283	1286	1290	1294	1299	1307	1316	1326	1338	1347	1357	1368	1380	1368	1357
20	1216	1217	1219	1221	1224	1228	1233	1238	1242	1246	1251	1262	1276	1292	1305	1317	1331	1317	1304
25	1159	1161	1162	1163	1163	1164	1164	1169	1176	1185	1188	1193	1204	1222	1242	1254	1270	1254	1241
30	1101	1101	1102	1102	1103	1104	1103	1102	1100	1106	1116	1123	1126	1140	1164	1181	1196	1180	1163
35	1045	1044	1043	1041	1037	1032	1032	1034	1034	1028	1028	1040	1048	1051	1076	1098	1113	1097	1074
40	986	985	983	980	977	973	965	955	952	955	950	944	960	964	978	1009	1021	1008	976
45	930	928	925	918	909	901	895	890	877	863	866	861	857	876	874	913	922	912	871
50	829	832	835	838	843	841	826	808	800	792	770	770	763	769	774	803	815	802	771
55	727	730	731	731	731	732	737	744	723	700	695	671	671	656	676	689	705	687	672
60	623	624	625	626	628	630	628	623	625	632	599	589	564	567	566	571	593	569	561
65	521	522	522	522	520	517	517	518	516	508	514	498	482	457	448	455	477	452	442
70	417	417	417	417	417	417	415	409	402	402	402	393	394	375	361	358	364	354	354
75	314	315	315	314	313	311	307	303	302	301	291	289	285	288	261	248	254	243	251
80	210	211	211	210	210	209	208	206	203	198	191	190	185	185	182	157	147	149	169
85	108	109	109	109	108	108	107	106	104	101	98.4	97.0	95.8	87.4	83.3	77.8	45.5	64.8	74.4
90	4.54	5.33	5.73	6.21	6.72	7.27	7.81	8.27	8.71	9.10	9.40	9.67	9.85	9.97	10.1	10.1	6.55	8.32	8.37
95	56.1	56.6	56.1	55.7	55.2	54.5	53.6	52.5	51.0	49.1	46.8	44.8	41.9	31.9	17.4	5.46	5.19	7.50	23.7
100	108	107	106	105	104	102	100	98.4	95.9	91.7	86.4	83.4	77.1	69.5	54.1	42.3	42.8	49.3	65.8
105	159	159	157	155	153	150	146	143	141	138	130	126	120	115	102	98.4	107	102	110
110	211	210	208	205	203	201	198	192	187	184	181	172	169	162	157	157	161	158	161
115	262	263	260	257	253	249	246	244	240	233	233	223	215	204	201	207	216	206	203
120	314	314	311	309	307	304	299	294	292	293	276	271	258	261	261	265	271	262	261
125	364	367	364	361	357	354	353	353	341	328	326	313	314	307	318	325	327	321	316
130	415	418	417	415	414	409	399	387	382	377	365	365	362	365	368	384	383	378	365
135	460	467	463	456	448	441	436	432	424	415	416	413	411	421	420	440	438	435	416
140	490	495	492	488	485	481	474	467	464	465	461	458	466	468	475	491	491	486	472
145	516	523	522	519	516	513	511	511	509	505	504	510	513	514	527	539	541	535	525
150	546	550	552	550	549	549	549	548	546	548	552	555	556	563	576	584	587	580	573
155	575	577	581	581	580	579	579	582	586	591	592	594	599	609	618	624	625	618	612
160	605	606	609	611	612	612	614	615	617	620	624	630	637	646	652	659	655	649	643
165	637	637	637	639	641	643	644	645	646	649	653	658	664	669	674	679	681	676	671
170	666	666	667	668	670	671	674	676	679	682	685	688	690	693	697	700	705	701	698
175	697	698	698	699	700	701	702	703	704	706	708	709	711	713	716	718	723	721	719
180	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	733	733	733

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:0.3840A P:45.300W PF:0.9930 Freq:50.00Hz Lamp Flux:5679.39x1 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	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443				
5	1423	1419	1415	1411	1408	1404	1401	1398	1395	1393	1391	1389	1388	1387	1386				
10	1391	1384	1377	1371	1364	1357	1352	1347	1343	1339	1336	1334	1332	1330	1329				
15	1347	1338	1326	1316	1307	1299	1294	1290	1286	1283	1281	1278	1276	1274	1272				
20	1292	1275	1261	1250	1245	1241	1237	1233	1228	1224	1221	1219	1218	1216	1215				
25	1221	1202	1191	1187	1183	1174	1167	1163	1162	1162	1162	1161	1161	1160	1159				
30	1139	1124	1120	1113	1103	1097	1099	1101	1102	1101	1100	1101	1101	1101	1101				
35	1049	1046	1037	1025	1025	1030	1030	1028	1029	1034	1039	1042	1044	1045	1045				
40	962	957	940	945	950	947	950	959	968	973	977	981	984	986	987				
45	873	853	856	860	857	871	884	889	895	904	914	922	927	930	930				
50	764	758	764	764	784	793	801	818	834	837	834	831	830	829	828				
55	650	665	663	686	692	714	736	729	725	725	727	727	728	727	725				
60	561	555	580	589	621	616	614	621	624	622	622	622	622	622	622				
65	449	472	487	503	498	508	510	510	512	515	517	519	520	520	519				
70	365	381	382	392	393	394	403	409	412	413	413	414	415	416	416				
75	275	273	280	283	294	296	298	302	307	309	311	313	313	313	313				
80	174	176	183	185	193	199	202	204	206	207	208	209	209	210	210				
85	81.0	90.5	92.6	94.6	98.0	101	103	105	106	107	107	107	107	107	107				
90	8.38	8.34	8.28	8.12	7.90	7.61	7.27	6.94	6.52	6.07	5.55	4.96	4.39	3.91	3.61				
95	35.8	44.3	46.4	48.0	50.2	52.0	53.4	54.5	55.4	56.0	56.5	56.8	56.8	56.3	56.1				
100	77.4	82.8	87.8	90.1	94.9	98.9	101	103	104	106	107	108	109	109	108				
105	125	128	133	136	144	146	147	150	154	157	159	161	162	161	161				
110	169	179	182	189	191	193	199	203	206	208	210	213	214	213	213				
115	208	222	232	243	242	249	252	253	256	260	263	266	267	266	266				
120	263	263	278	285	303	302	303	308	313	315	316	319	319	318	318				
125	307	317	318	332	337	351	364	363	363	367	370	373	372	371	372				
130	364	363	369	370	384	390	396	408	420	424	426	426	424	423	423				
135	419	411	416	420	420	430	440	444	450	458	466	471	473	475	476				
140	467	466	459	464	469	469	473	480	487	492	496	499	500	502	504				
145	513	513	511	506	508	512	513	514	517	521	525	528	530	531	533				
150	561	555	554	551	547	545	548	551	553	554	555	556	557	559	561				
155	602	594	589	588	587	584	582	581	582	583	585	586	588	589	590				
160	638	630	624	620	618	618	617	616	615	615	615	615	616	617	618				
165	667	664	659	654	651	648	647	646	646	646	646	646	646	647	648				
170	695	692	689	687	684	682	679	678	676	676	675	674	674	675	675				
175	717	715	713	712	710	709	708	707	706	706	705	705	705	705	705				
180	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733				

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: