

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz
Lamp Flux:18985.4x1 lm

NAME: Skylite

TYPE: LED

WEIGHT: 3

SPEC.: AL6740104 100w 4000K No glass

DIM.: 48*27*10

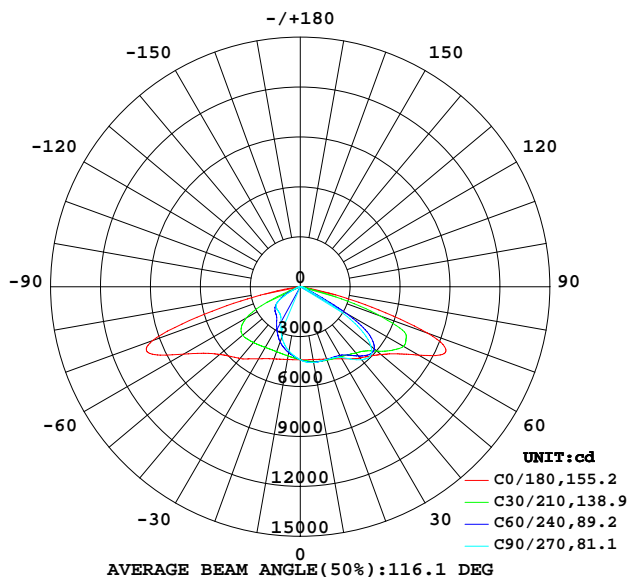
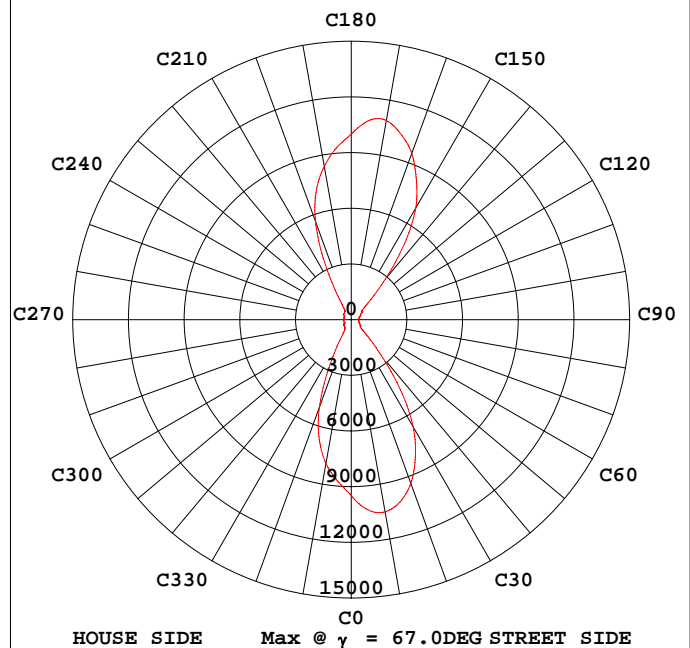
SERIAL No.: 001

MFR.: Americanlite

SUR.: 23*19

Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 192.36 lm/W
MODEL	100W4000K	I _{max} (cd)	10899	η _{street_up} (%)	0.1	
NOMINAL POWER(W)	100	LOR(%)	100.0	η _{street_down} (%)	60.9	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	18985	η _{house_up} (%)	0.2	
NOMINAL FLUX(lm)	18985.4	MAXIMUM @(C,γ)	170,67.0	η _{house_down} (%)	38.9	
LAMPS INSIDE	1	η _{up} (%)	0.3	76 FLASHAREA(m2)	0.00100	
TEST VOLTAGE(V)	220	η _{down} (%)	99.7	SLI	20.585	

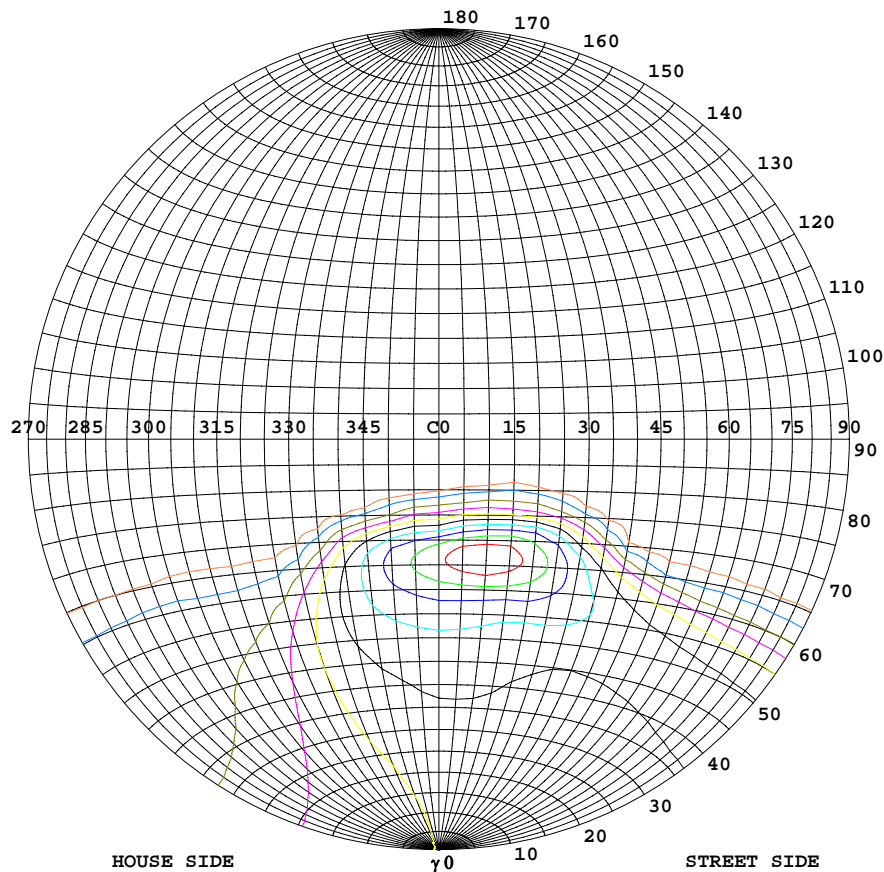
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:zhaojicheng
Test Date:2023-12-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:12.534m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz Lamp Flux:18985.4x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 3
SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:



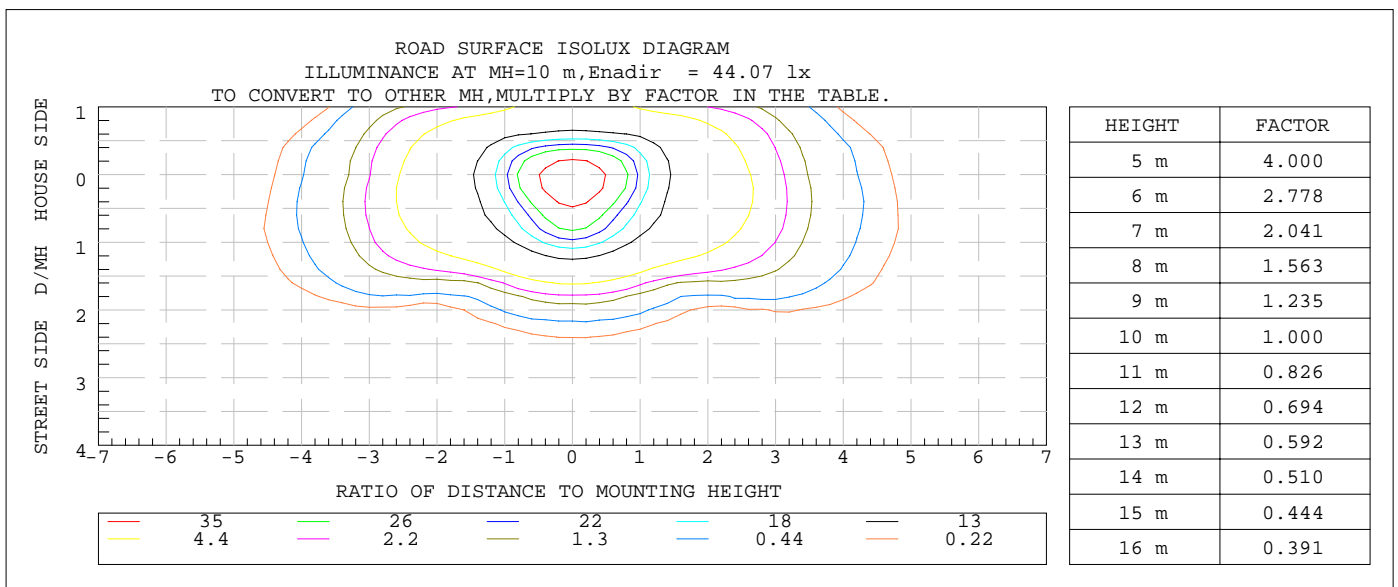
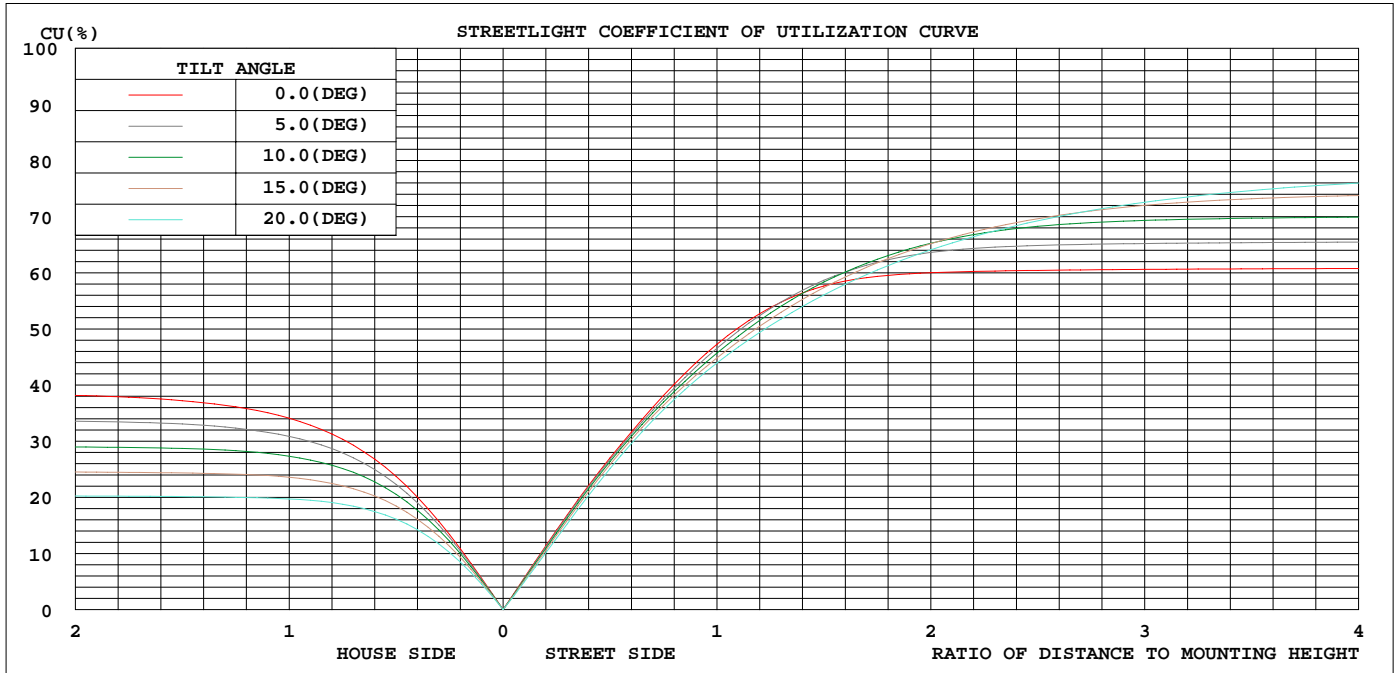
Classification:

IES:Type II - Medium
CIE:Narrow - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:86.74cd/klm
Max.At90:0.2120cd/klm
Max.80-90:86.74cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10899
90%	9809
80%	8719
70%	7629
60%	6539
50%	5449
40%	4359
30%	3270
20%	2180
10%	1090
5%	545

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Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

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Temperature: 25.0°C
Operators: zhaojicheng
Test Date: 2023-12-04

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Humidity: 65.0%
Test Distance: 12.534m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz Lamp Flux:18985.4x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 3
SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:

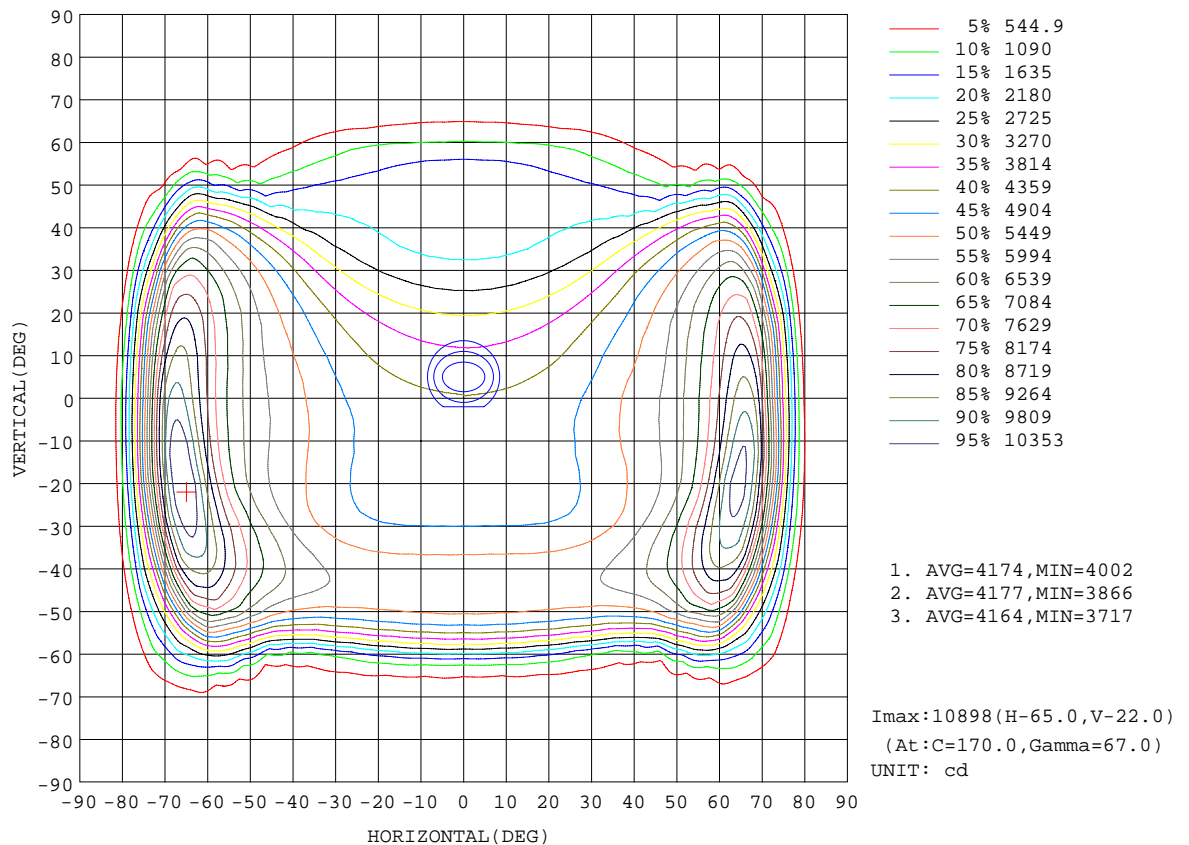
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	444.3	459.3	462.5	460.3	444.1	411.6	392.4	411.3	0- 10	417.5	417.5	2.2,2.2
20	462.4	467.0	465.3	467.9	462.1	384.5	322.1	383.5	10- 20	1222	1640	8.64,8.64
30	500.3	475.0	490.9	477.5	500.0	350.3	232.8	347.5	20- 30	1956	3596	18.9,18.9
40	558.4	513.6	572.0	518.1	563.4	303.9	200.1	297.0	30- 40	2709	6305	33.2,33.2
50	634.1	597.8	553.5	602.2	633.0	241.5	189.8	230.9	40- 50	3559	9864	52.52
60	821.4	501.6	212.2	514.2	810.9	145.6	112.4	137.2	50- 60	4078	13942	73.4,73.4
70	812.7	44.42	31.73	49.96	943.0	31.79	29.15	32.63	60- 70	3494	17436	91.8,91.8
80	45.93	14.35	10.83	16.08	120.5	10.36	10.35	10.17	70- 80	1415	18850	99.3,99.3
90	0.2081	0.0555	0.0493	0.0693	0.3217	0.0755	0.0472	0.0813	80- 90	82.61	18933	99.7,99.7
100	0.9003	0.0796	0.0598	0.0895	1.019	0.3153	0.0968	0.3130	90-100	2.439	18936	99.7,99.7
110	1.521	0.2309	0.1570	0.2269	1.658	0.8758	0.3979	0.8218	100-110	5.888	18941	99.8,99.8
120	1.703	0.4850	0.3217	0.4921	1.754	1.263	0.9407	1.278	110-120	8.952	18950	99.8,99.8
130	1.527	0.7073	0.4725	0.7113	1.481	1.354	1.393	1.476	120-130	9.877	18960	99.9,99.9
140	1.301	0.8496	0.5741	0.8203	1.245	1.298	1.415	1.384	130-140	8.716	18969	99.9,99.9
150	1.203	0.9478	0.7190	0.9077	1.151	1.241	1.312	1.295	140-150	6.924	18976	99.9,99.9
160	1.179	1.030	0.8972	1.010	1.156	1.223	1.277	1.255	150-160	5.152	18981	100,100
170	1.202	1.135	1.086	1.131	1.210	1.228	1.270	1.250	160-170	3.278	18984	100,100
180	1.255	1.224	1.236	1.238	1.256	1.232	1.241	1.241	170-180	1.154	18985	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:12.534m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

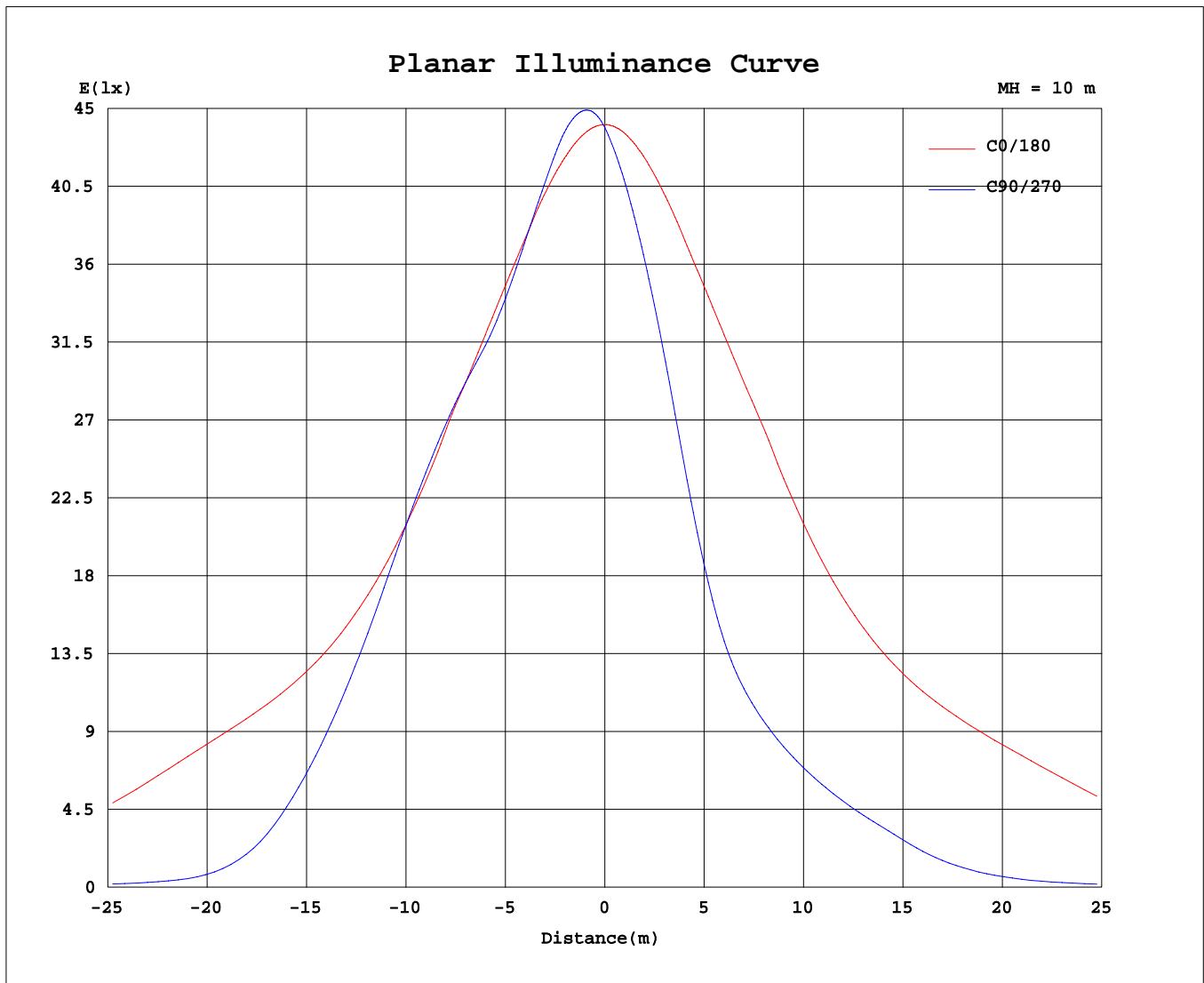
Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz Lamp Flux:18985.4x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 3
SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:



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Humidity: 65.0%
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Remarks:

Planar Illuminance Curve



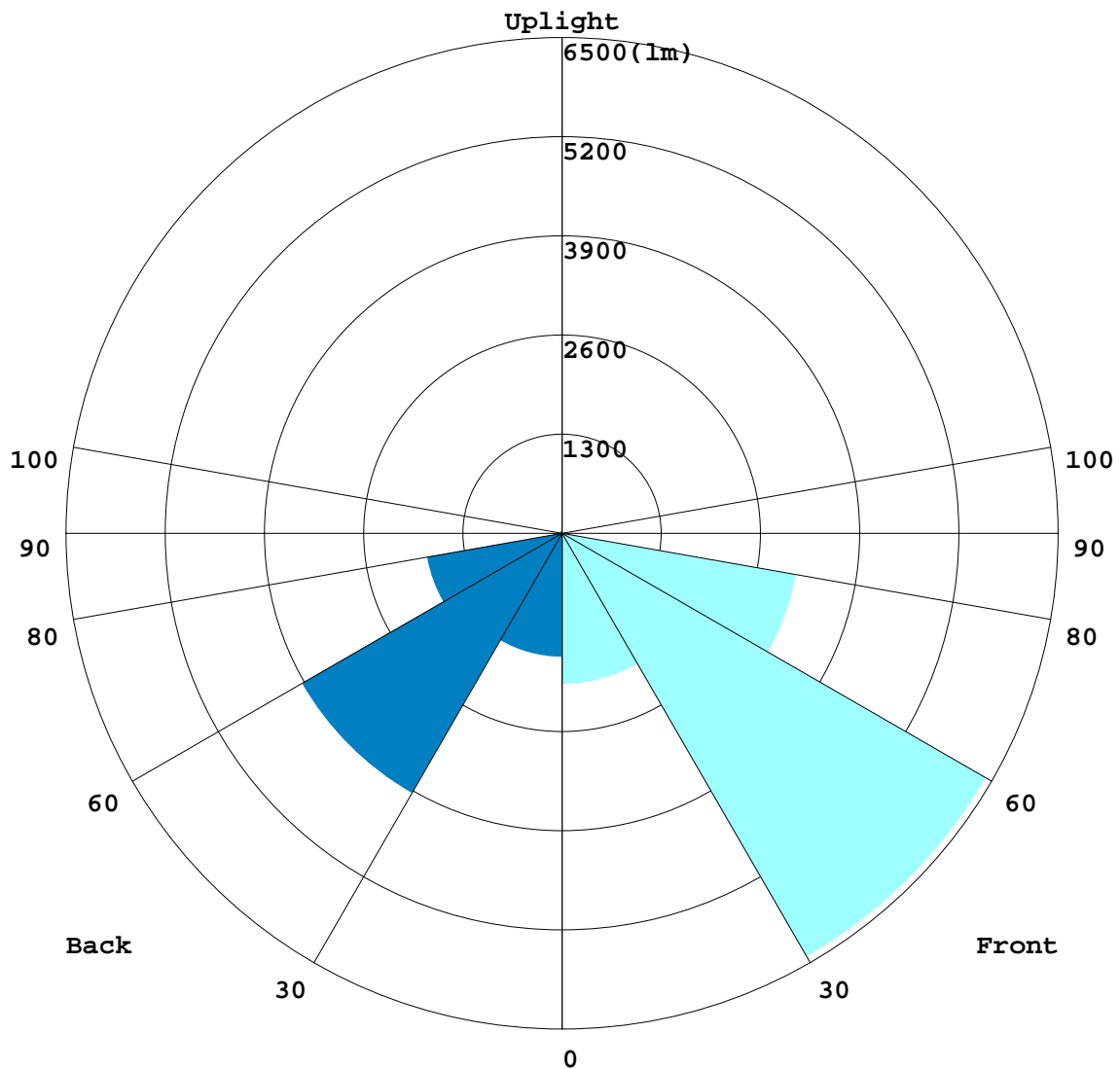
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Temperature: 25.0°C
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Test Date: 2023-12-04

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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.464
Humidity: 65.0%
Test Distance: 12.534m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz Lamp Flux:18985.4x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 3
SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:zhaojicheng
Test Date:2023-12-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:12.534m [K=1.0000]
Remarks:

BUG REPORT

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SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1974.7	10.4
FM - Front-Medium(30-60)	6411.2	33.8
FH - Front-High(60-80)	3112.6	16.4
FVH - Front-Very High(80-90)	55.451	0.3
Total Forward Light	11574	61.0

BL - Back-Low(0-30)	1621.3	8.5
BM - Back-Medium(30-60)	3934.7	20.7
BH - Back-High(60-80)	1796	9.5
BVH - Back-Very High(80-90)	27.156	0.1
Total Back Light	7411.6	39.0

UL - Uplight-Low(90-100)	2.439	0.0
UH - Uplight-High(100-180)	49.941	0.3
Total Up Light	52.38	0.3

BUG(Back,Up,Glare) Rating	B3-U2-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7379.2	32.472	7411.6
Street Side	11554	19.908	11574

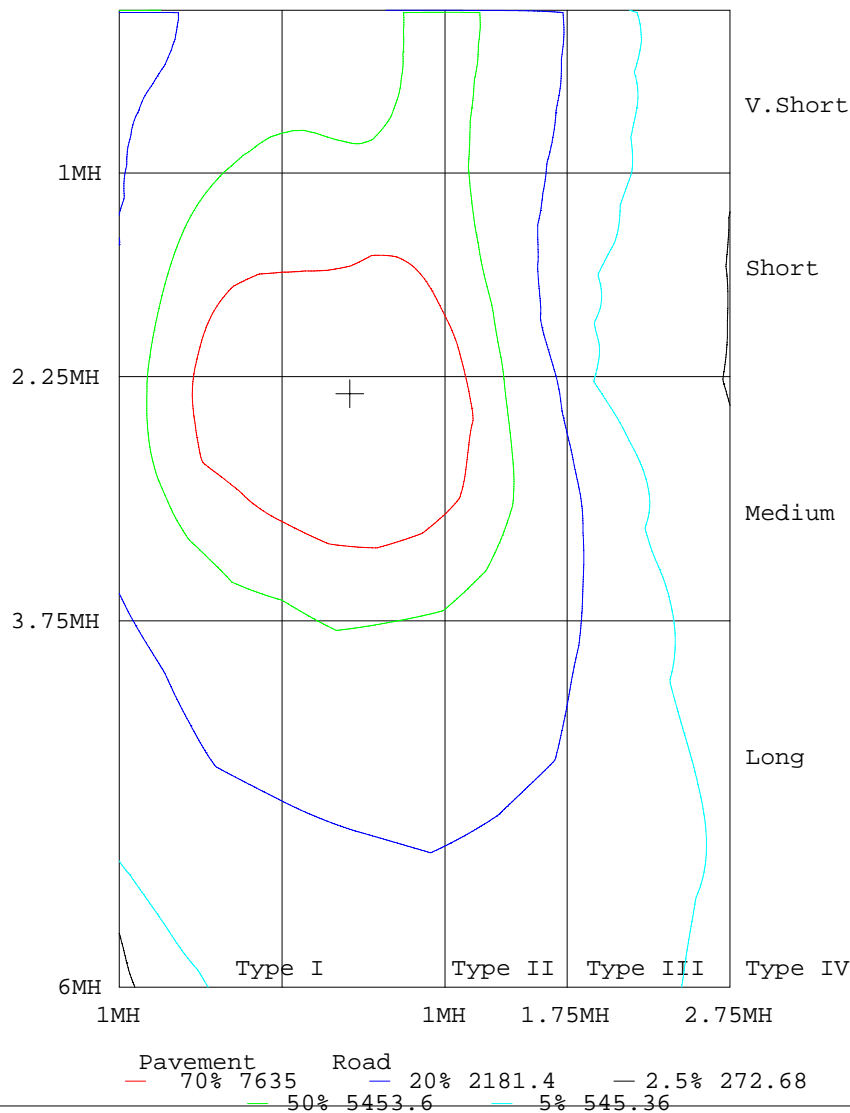
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ROAD ISOCANDELA REPORT

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SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.0°C
Operators: zhaojicheng
Test Date: 2023-12-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.464
Humidity: 65.0%
Test Distance: 12.534m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz Lamp Flux:18985.4x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 3
SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:

Table--1

UNIT: X10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439
5	441	442	444	445	446	447	448	449	450	451	452	453	453	454	454	454	454	455	454
10	444	447	450	451	453	455	456	457	458	459	460	461	461	462	462	462	462	463	463
15	452	455	458	460	462	463	463	464	464	465	464	465	464	465	464	464	464	464	464
20	462	466	469	470	471	471	470	469	468	467	466	465	465	465	465	465	465	466	465
25	478	481	483	483	482	480	477	474	472	470	469	468	468	469	469	470	471	472	472
30	500	503	503	500	496	491	486	481	477	475	474	475	476	479	483	486	489	490	491
35	529	530	529	522	515	507	499	492	488	486	488	494	502	509	517	523	527	530	531
40	558	559	556	548	540	530	520	511	510	514	523	533	543	552	559	565	569	571	572
45	590	590	585	573	564	554	547	546	553	559	567	573	579	583	586	589	590	592	592
50	634	632	623	609	601	599	602	602	602	598	593	588	581	574	566	562	557	556	554
55	703	699	691	677	685	681	667	647	624	595	561	536	510	491	469	459	444	441	435
60	821	833	839	830	818	770	716	647	571	502	427	374	319	288	253	241	222	220	212
65	953	1017	1051	1006	943	829	703	564	381	244	126	96.8	86.2	85.5	73.3	73.8	59.0	62.8	57.3
70	813	901	933	931	858	727	506	286	70.4	44.4	37.9	34.7	32.4	30.1	29.6	30.1	30.9	31.9	31.7
75	364	439	457	448	406	301	152	43.6	32.4	27.9	23.5	21.5	19.9	18.9	18.1	18.8	19.3	20.1	20.0
80	45.9	79.4	87.9	109	77.7	37.9	26.4	21.7	17.9	14.4	12.2	11.6	11.6	11.6	11.0	11.5	11.3	11.4	10.8
85	3.67	4.54	8.23	11.4	10.5	10.6	8.29	6.61	4.70	4.19	4.36	4.36	4.11	4.13	3.54	3.64	3.30	2.79	2.06
90	0.21	0.17	0.15	0.11	0.09	0.07	0.07	0.08	0.06	0.06	0.06	0.06	0.06	0.07	0.05	0.07	0.05	0.05	0.05
95	0.49	0.42	0.35	0.27	0.20	0.14	0.09	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100	0.90	0.79	0.68	0.53	0.41	0.29	0.20	0.13	0.09	0.08	0.07	0.07	0.06	0.07	0.07	0.07	0.06	0.07	0.06
105	1.28	1.15	1.01	0.83	0.66	0.49	0.36	0.25	0.17	0.13	0.11	0.11	0.10	0.11	0.10	0.11	0.10	0.10	0.10
110	1.52	1.40	1.25	1.06	0.88	0.69	0.54	0.40	0.30	0.23	0.19	0.18	0.17	0.17	0.16	0.17	0.16	0.16	0.16
115	1.66	1.56	1.42	1.24	1.05	0.87	0.71	0.57	0.45	0.35	0.29	0.27	0.25	0.25	0.24	0.24	0.24	0.24	0.24
120	1.70	1.62	1.51	1.37	1.20	1.03	0.87	0.72	0.59	0.49	0.41	0.37	0.34	0.33	0.32	0.33	0.32	0.33	0.32
125	1.65	1.59	1.51	1.39	1.27	1.14	0.99	0.84	0.71	0.61	0.52	0.47	0.44	0.43	0.41	0.42	0.41	0.41	0.41
130	1.53	1.48	1.43	1.35	1.27	1.14	1.03	0.92	0.80	0.71	0.62	0.57	0.52	0.51	0.49	0.48	0.47	0.48	0.47
135	1.39	1.36	1.33	1.27	1.22	1.13	1.05	0.97	0.87	0.79	0.71	0.65	0.60	0.57	0.55	0.54	0.52	0.53	0.52
140	1.30	1.27	1.26	1.22	1.19	1.12	1.05	0.99	0.91	0.85	0.77	0.72	0.67	0.64	0.61	0.60	0.58	0.58	0.57
145	1.24	1.21	1.21	1.18	1.17	1.12	1.06	1.01	0.95	0.90	0.84	0.79	0.74	0.71	0.68	0.66	0.65	0.65	0.64
150	1.20	1.18	1.19	1.17	1.16	1.12	1.07	1.04	0.98	0.95	0.89	0.86	0.81	0.79	0.75	0.74	0.72	0.73	0.72
155	1.18	1.18	1.18	1.17	1.16	1.13	1.09	1.06	1.02	0.99	0.94	0.92	0.88	0.86	0.84	0.83	0.81	0.81	0.81
160	1.18	1.18	1.18	1.18	1.16	1.14	1.11	1.09	1.05	1.03	0.99	0.98	0.95	0.94	0.92	0.92	0.90	0.91	0.90
165	1.18	1.19	1.19	1.19	1.17	1.16	1.13	1.12	1.09	1.08	1.05	1.05	1.02	1.02	1.01	1.01	0.99	1.00	0.99
170	1.20	1.22	1.21	1.21	1.19	1.18	1.16	1.15	1.13	1.14	1.12	1.12	1.10	1.11	1.09	1.10	1.09	1.09	1.09
175	1.24	1.25	1.23	1.22	1.21	1.20	1.19	1.20	1.18	1.19	1.17	1.18	1.17	1.18	1.16	1.18	1.16	1.18	1.16
180	1.25	1.26	1.24	1.23	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.23	1.22	1.23	1.23	1.24	1.24

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.0℃

Operators:zhaojicheng

Test Date:2023-12-04

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.464

Humidity:65.0%

Test Distance:12.534m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.: AL6740104 100w 4000K No glass									DIM.: 48*27*10					SERIAL No.: 001				
MFR.: Americanlite									SUR.: 23*19					Shielding Angle:				

Table--2

UNIT: X10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439
5	455	454	454	454	454	453	453	452	452	451	450	449	448	446	445	444	442	441	439
10	463	463	463	462	463	462	462	461	460	459	458	457	455	454	452	450	447	444	441
15	465	464	465	465	466	465	466	465	466	465	465	464	463	462	460	458	456	451	447
20	466	466	466	466	466	466	467	467	468	469	470	471	472	472	471	470	467	462	457
25	472	471	471	470	470	469	469	470	471	473	476	478	481	484	485	485	483	477	472
30	490	489	487	484	481	478	476	476	478	480	484	489	494	500	504	506	505	500	494
35	530	527	523	518	510	503	496	491	490	492	497	504	512	521	527	533	534	529	523
40	571	569	565	559	552	545	535	526	518	516	519	527	537	548	557	565	567	563	557
45	592	590	589	586	583	579	574	570	564	559	555	557	563	572	581	591	596	593	587
50	557	557	563	566	575	581	589	596	602	608	610	612	608	609	615	626	634	633	629
55	442	445	460	470	492	511	539	566	602	634	658	680	691	692	679	689	698	697	696
60	222	225	247	260	296	328	383	437	514	587	662	729	778	816	818	819	820	811	797
65	67.0	60.7	74.3	76.9	89.6	94.4	109	149	270	409	591	717	837	942	998	1048	1026	965	917
70	31.9	31.2	30.6	30.6	31.7	34.3	38.1	42.1	50.0	92.5	325	547	774	891	991	1022	1008	943	842
75	20.3	19.7	19.4	18.9	19.7	21.3	23.1	25.2	30.2	35.4	69.1	208	386	515	583	579	580	502	468
80	11.4	11.7	12.1	11.5	12.3	12.5	12.8	13.4	16.1	20.1	25.1	32.3	73.6	126	160	165	135	120	73.0
85	3.06	3.51	3.92	3.90	4.65	4.82	5.11	5.24	5.27	6.12	8.69	11.2	13.6	14.4	15.3	12.3	7.10	5.71	5.58
90	0.05	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.13	0.15	0.19	0.32	0.37
95	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.14	0.19	0.25	0.31	0.39	0.61	0.68
100	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.09	0.09	0.13	0.20	0.29	0.41	0.51	0.64	0.74	1.02	1.11
105	0.10	0.10	0.11	0.10	0.11	0.11	0.12	0.12	0.14	0.17	0.25	0.38	0.53	0.70	0.84	1.01	1.14	1.40	1.49
110	0.16	0.16	0.17	0.16	0.17	0.17	0.18	0.19	0.23	0.30	0.42	0.59	0.78	0.97	1.13	1.29	1.45	1.66	1.72
115	0.24	0.23	0.24	0.24	0.25	0.25	0.27	0.29	0.35	0.46	0.62	0.79	0.97	1.14	1.29	1.44	1.60	1.77	1.81
120	0.33	0.32	0.33	0.32	0.33	0.34	0.36	0.41	0.49	0.62	0.77	0.92	1.06	1.20	1.32	1.46	1.61	1.75	1.80
125	0.41	0.40	0.41	0.41	0.42	0.43	0.47	0.53	0.62	0.73	0.85	0.95	1.06	1.18	1.29	1.43	1.53	1.64	1.67
130	0.48	0.47	0.48	0.47	0.49	0.51	0.56	0.63	0.71	0.79	0.88	0.96	1.05	1.16	1.26	1.38	1.46	1.48	1.50
135	0.53	0.52	0.53	0.54	0.56	0.59	0.65	0.70	0.77	0.83	0.90	0.97	1.06	1.15	1.23	1.32	1.37	1.33	1.35
140	0.58	0.58	0.59	0.60	0.64	0.67	0.72	0.76	0.82	0.86	0.93	0.99	1.06	1.14	1.20	1.26	1.32	1.24	1.26
145	0.65	0.64	0.66	0.68	0.71	0.73	0.78	0.81	0.86	0.90	0.96	1.00	1.07	1.13	1.16	1.22	1.24	1.18	1.20
150	0.73	0.73	0.74	0.75	0.78	0.80	0.84	0.86	0.91	0.94	0.99	1.02	1.07	1.12	1.15	1.19	1.21	1.15	1.17
155	0.82	0.81	0.82	0.83	0.85	0.86	0.89	0.92	0.95	0.98	1.02	1.04	1.09	1.12	1.15	1.17	1.19	1.15	1.15
160	0.91	0.90	0.91	0.91	0.93	0.94	0.96	0.98	1.01	1.02	1.06	1.07	1.10	1.12	1.15	1.17	1.19	1.16	1.16
165	1.00	0.99	1.00	1.00	1.01	1.02	1.04	1.04	1.07	1.08	1.10	1.11	1.13	1.14	1.16	1.17	1.21	1.18	1.16
170	1.09	1.08	1.09	1.08	1.10	1.10	1.11	1.11	1.13	1.13	1.15	1.15	1.17	1.17	1.19	1.19	1.23	1.21	1.19
175	1.18	1.16	1.17	1.16	1.18	1.17	1.18	1.18	1.19	1.19	1.20	1.20	1.21	1.21	1.22	1.22	1.26	1.25	1.22
180	1.24	1.23	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.24	1.23	1.24	1.24	1.24	1.24	1.27	1.26	1.25

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.0℃

Operators:zhaojicheng

Test Date:2023-12-04

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.464

Humidity:65.0%

Test Distance:12.534m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz Lamp Flux:18985.4x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 3
SPEC.: AL6740104 100w 4000K No glass	DIM.: 48*27*10	SERIAL No.: 001
MFR.: Americanlite	SUR.: 23*19	Shielding Angle:

Table--3

UNIT: X10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439
5	437	435	434	432	430	428	427	425	424	422	421	420	419	418	418	418	418	418	418
10	438	434	430	427	423	419	415	412	408	405	402	399	397	395	394	393	392	392	393
15	442	436	430	425	418	411	405	398	392	385	380	375	371	367	364	362	362	362	364
20	450	443	435	426	416	406	395	384	374	363	354	345	337	330	326	323	322	322	326
25	463	454	443	431	416	402	386	369	352	336	321	306	296	286	280	276	275	275	280
30	485	473	458	441	421	399	375	350	326	303	284	267	254	244	238	233	233	233	237
35	512	498	479	457	429	397	362	328	297	270	248	232	222	215	212	209	209	209	211
40	544	528	505	477	438	394	347	304	268	240	224	214	208	204	202	201	200	201	202
45	574	559	533	497	447	389	327	275	241	224	213	206	201	198	196	196	196	196	196
50	618	601	567	518	452	371	292	241	221	208	198	193	190	189	189	190	190	190	189
55	682	654	601	530	434	324	235	204	189	177	172	169	169	170	172	172	173	172	172
60	764	708	622	511	373	219	167	146	135	129	129	128	125	117	115	111	112	112	115
65	841	733	604	421	221	96.2	80.3	72.0	72.2	71.3	70.1	60.8	58.1	55.0	54.5	53.0	53.4	52.8	54.3
70	780	634	444	180	46.9	35.0	34.4	31.8	32.4	30.4	27.0	25.7	25.5	26.8	28.0	28.7	29.1	28.7	27.9
75	342	226	119	28.0	21.6	21.2	19.5	18.0	18.5	18.0	17.4	16.7	16.8	16.8	17.2	17.2	17.5	17.4	17.4
80	31.1	18.5	14.6	12.2	11.6	11.3	10.1	10.4	11.1	10.9	10.8	10.7	11.0	11.0	11.0	10.4	10.4	10.5	11.0
85	5.56	4.74	4.51	3.71	3.43	3.19	3.10	3.08	3.34	3.35	3.77	3.55	3.51	3.11	2.83	2.46	2.57	2.45	2.76
90	0.35	0.33	0.30	0.25	0.19	0.14	0.09	0.08	0.06	0.06	0.05	0.06	0.06	0.05	0.06	0.05	0.05	0.05	0.05
95	0.68	0.68	0.61	0.54	0.42	0.32	0.21	0.13	0.09	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.06
100	1.11	1.10	1.01	0.91	0.76	0.62	0.45	0.32	0.21	0.15	0.13	0.11	0.11	0.10	0.10	0.09	0.10	0.09	0.10
105	1.49	1.46	1.36	1.25	1.09	0.93	0.75	0.60	0.45	0.35	0.28	0.25	0.23	0.22	0.21	0.20	0.20	0.20	0.21
110	1.73	1.67	1.59	1.46	1.32	1.18	1.02	0.88	0.73	0.63	0.54	0.49	0.45	0.43	0.41	0.41	0.40	0.40	0.41
115	1.81	1.76	1.68	1.58	1.48	1.36	1.23	1.11	0.98	0.89	0.81	0.76	0.71	0.70	0.67	0.67	0.66	0.67	0.66
120	1.78	1.75	1.69	1.60	1.51	1.43	1.35	1.26	1.18	1.11	1.05	1.02	0.99	0.97	0.95	0.96	0.94	0.95	0.94
125	1.65	1.63	1.59	1.54	1.47	1.42	1.37	1.34	1.31	1.28	1.26	1.24	1.22	1.22	1.21	1.22	1.21	1.21	1.20
130	1.49	1.48	1.46	1.43	1.40	1.39	1.35	1.35	1.34	1.34	1.35	1.36	1.36	1.37	1.38	1.39	1.39	1.39	1.38
135	1.35	1.36	1.34	1.34	1.33	1.33	1.32	1.33	1.33	1.34	1.35	1.37	1.38	1.41	1.42	1.44	1.44	1.44	1.44
140	1.26	1.27	1.27	1.28	1.27	1.29	1.28	1.30	1.30	1.32	1.32	1.35	1.35	1.38	1.39	1.42	1.42	1.42	1.41
145	1.20	1.22	1.21	1.23	1.23	1.25	1.25	1.27	1.27	1.29	1.29	1.31	1.31	1.34	1.34	1.37	1.36	1.37	1.34
150	1.16	1.18	1.18	1.20	1.20	1.22	1.22	1.24	1.24	1.26	1.26	1.28	1.28	1.31	1.31	1.33	1.31	1.32	1.30
155	1.16	1.17	1.18	1.19	1.20	1.21	1.21	1.23	1.23	1.25	1.25	1.27	1.27	1.29	1.29	1.31	1.29	1.30	1.28
160	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.22	1.23	1.24	1.24	1.26	1.26	1.28	1.27	1.29	1.28	1.29	1.27
165	1.17	1.17	1.19	1.19	1.21	1.21	1.22	1.22	1.23	1.24	1.24	1.26	1.25	1.27	1.27	1.28	1.27	1.28	1.27
170	1.20	1.19	1.21	1.21	1.23	1.22	1.23	1.23	1.23	1.24	1.24	1.26	1.25	1.27	1.26	1.28	1.27	1.28	1.26
175	1.22	1.21	1.22	1.22	1.23	1.23	1.23	1.24	1.23	1.24	1.24	1.25	1.25	1.26	1.26	1.27	1.26	1.27	1.26
180	1.24	1.22	1.22	1.22	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.24	1.24	1.24

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.0℃

Operators:zhaojicheng

Test Date:2023-12-04

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.464

Humidity:65.0%

Test Distance:12.534m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.60V I:0.4615A P:98.698W PF:0.9739 Freq:50.00Hz Lamp Flux:18985.4x1 lm																	
NAME: Skylite									TYPE: LED						WEIGHT: 3		
SPEC.: AL6740104 100w 4000K No glass									DIM.: 48*27*10						SERIAL No.: 001		
MFR.: Americanlite									SUR.: 23*19						Shielding Angle:		

Table--4

UNIT: X10cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439				
5	418	419	420	421	422	423	425	426	428	430	432	433	435	437	439				
10	395	396	399	401	404	408	411	415	419	422	426	430	434	437	441				
15	366	370	374	380	385	391	397	404	411	417	424	430	437	442	447				
20	329	336	343	353	362	373	383	394	405	415	425	434	443	450	457				
25	285	294	305	319	333	350	367	384	400	415	430	442	454	463	471				
30	243	253	265	281	301	324	348	373	397	419	440	456	472	483	494				
35	215	221	230	245	266	294	324	359	393	425	454	476	496	510	522				
40	204	207	213	221	236	262	297	341	387	431	470	499	523	539	551				
45	197	200	204	210	219	235	265	317	378	437	487	525	553	570	583				
50	189	190	191	196	203	213	231	277	354	435	502	553	592	613	627				
55	171	170	168	170	173	182	194	219	299	408	505	578	636	671	693				
60	118	125	128	128	126	130	137	154	194	337	476	588	680	744	788				
65	54.6	57.9	60.3	69.1	69.8	70.6	69.7	77.4	87.0	179	370	553	692	801	885				
70	26.0	25.5	26.0	27.8	31.3	33.3	32.6	36.3	38.2	47.8	145	371	542	672	755				
75	16.9	16.9	16.7	17.4	18.3	19.2	19.0	21.1	22.5	24.7	31.2	64.9	132	223	342				
80	10.8	10.8	10.5	10.6	10.8	11.1	10.2	9.89	10.3	11.3	13.4	17.8	19.9	21.9	29.1				
85	2.95	3.27	3.17	3.21	2.79	2.84	2.49	2.45	2.42	2.69	2.84	3.57	3.80	4.69	4.16				
90	0.05	0.05	0.05	0.05	0.06	0.06	0.08	0.10	0.14	0.20	0.27	0.32	0.38	0.39	0.40				
95	0.05	0.06	0.06	0.07	0.07	0.09	0.14	0.22	0.32	0.43	0.56	0.66	0.76	0.79	0.81				
100	0.10	0.11	0.11	0.13	0.16	0.22	0.31	0.43	0.59	0.73	0.90	1.03	1.17	1.23	1.28				
105	0.22	0.23	0.25	0.28	0.35	0.43	0.56	0.69	0.86	1.02	1.20	1.36	1.53	1.62	1.67				
110	0.43	0.44	0.48	0.52	0.60	0.69	0.82	0.95	1.10	1.25	1.43	1.60	1.75	1.85	1.90				
115	0.69	0.70	0.74	0.79	0.87	0.95	1.07	1.18	1.33	1.48	1.63	1.77	1.86	1.92	1.94				
120	0.96	0.97	1.01	1.04	1.11	1.18	1.28	1.39	1.51	1.63	1.72	1.80	1.86	1.87	1.88				
125	1.21	1.22	1.25	1.27	1.32	1.37	1.43	1.50	1.57	1.63	1.68	1.71	1.73	1.73	1.72				
130	1.38	1.39	1.40	1.42	1.43	1.46	1.48	1.49	1.53	1.54	1.55	1.55	1.56	1.55	1.55				
135	1.43	1.43	1.43	1.43	1.44	1.43	1.45	1.43	1.44	1.43	1.44	1.42	1.42	1.41	1.41				
140	1.41	1.40	1.41	1.39	1.40	1.38	1.38	1.37	1.37	1.35	1.36	1.35	1.34	1.31	1.33				
145	1.35	1.33	1.34	1.33	1.34	1.33	1.33	1.31	1.32	1.31	1.31	1.30	1.29	1.26	1.26				
150	1.31	1.29	1.30	1.28	1.30	1.28	1.30	1.28	1.29	1.27	1.28	1.26	1.27	1.24	1.23				
155	1.29	1.27	1.28	1.26	1.27	1.26	1.27	1.26	1.27	1.26	1.26	1.25	1.25	1.24	1.22				
160	1.28	1.26	1.27	1.25	1.26	1.25	1.26	1.24	1.25	1.24	1.25	1.24	1.24	1.23	1.23				
165	1.27	1.26	1.26	1.25	1.26	1.25	1.25	1.24	1.25	1.24	1.24	1.24	1.24	1.23	1.23				
170	1.27	1.25	1.26	1.25	1.26	1.25	1.25	1.24	1.25	1.24	1.24	1.24	1.24	1.24	1.25				
175	1.27	1.25	1.26	1.25	1.26	1.24	1.25	1.24	1.25	1.24	1.24	1.24	1.24	1.24	1.27				
180	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.29				

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.0℃

Operators:zhaojicheng

Test Date:2023-12-04

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.464

Humidity:65.0%

Test Distance:12.534m [K=1.0000]

Remarks: