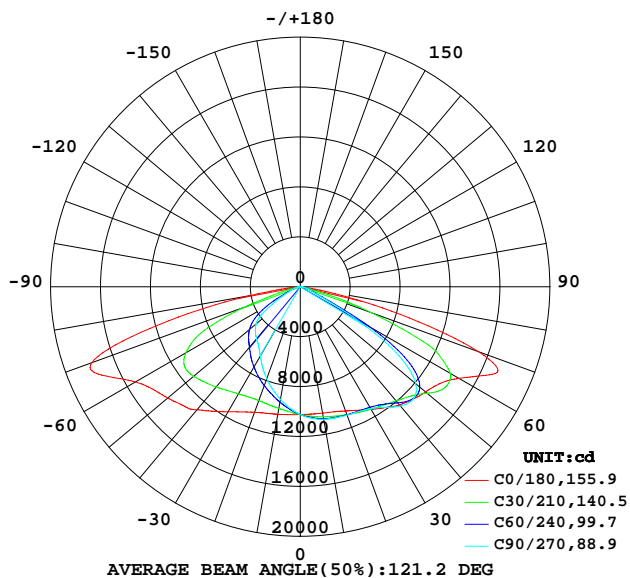
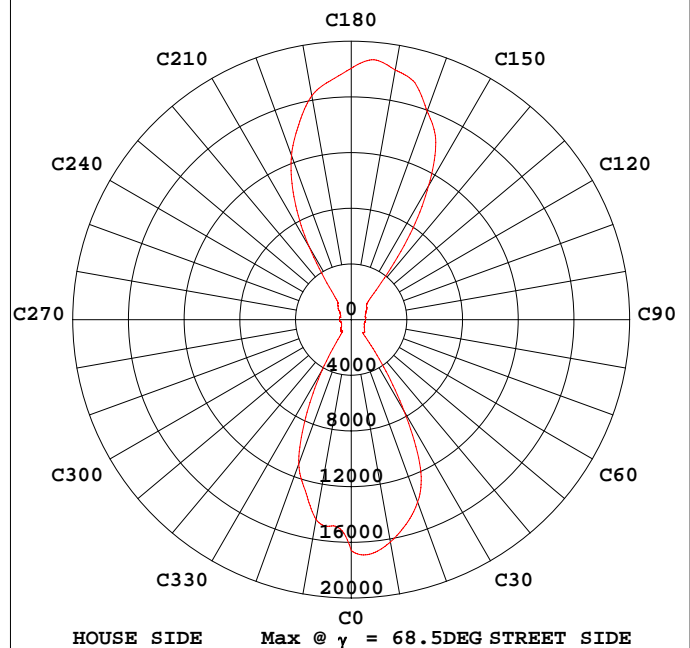


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.98 lm/W			
MODEL	240W4000K	I <sub>max</sub> (cd)	18748	η street_up(%)	0.1
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	57.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	42320	η house_up(%)	0.2
NOMINAL FLUX(lm)	42319.6	MAXIMUM @(C,γ )	175,68.5	η house_down(%)	42.0
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	99.7	SLI	22.394

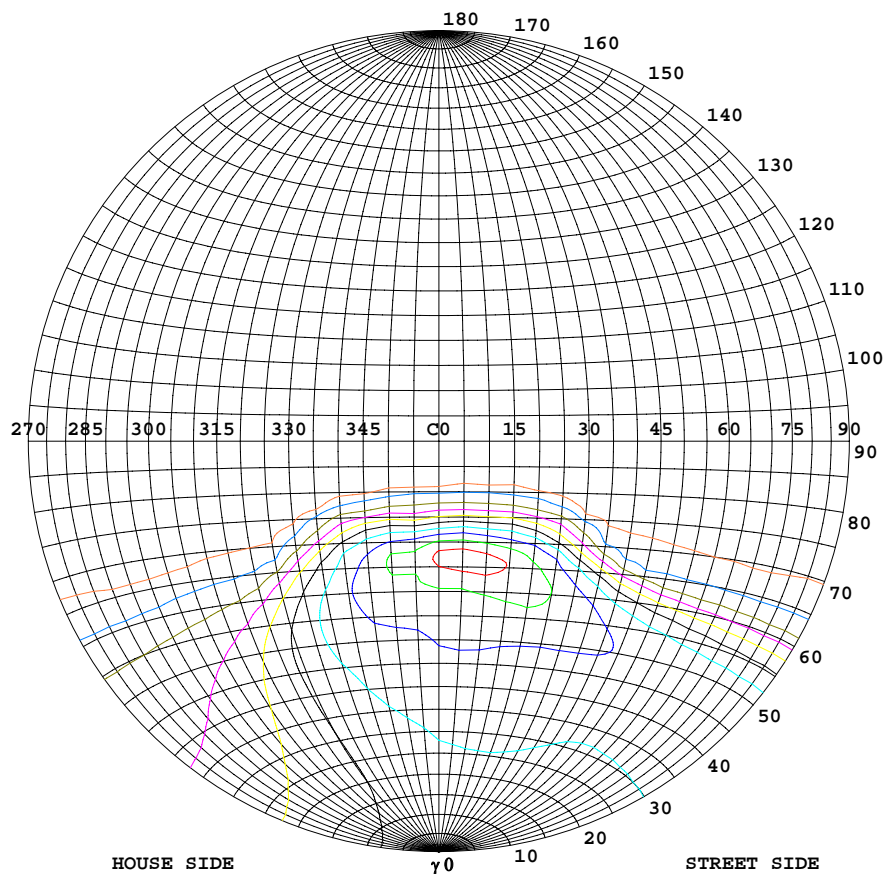
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:yangbin  
Test Date:2023-11-29

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:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	Shielding Angle:



## Classification:

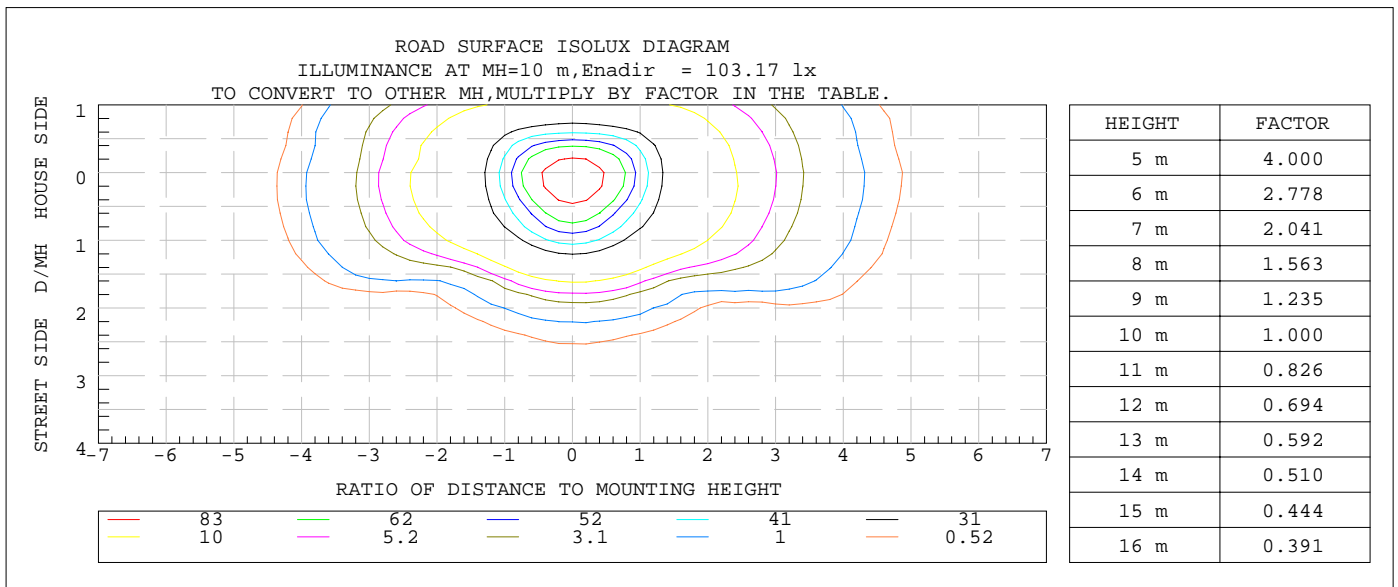
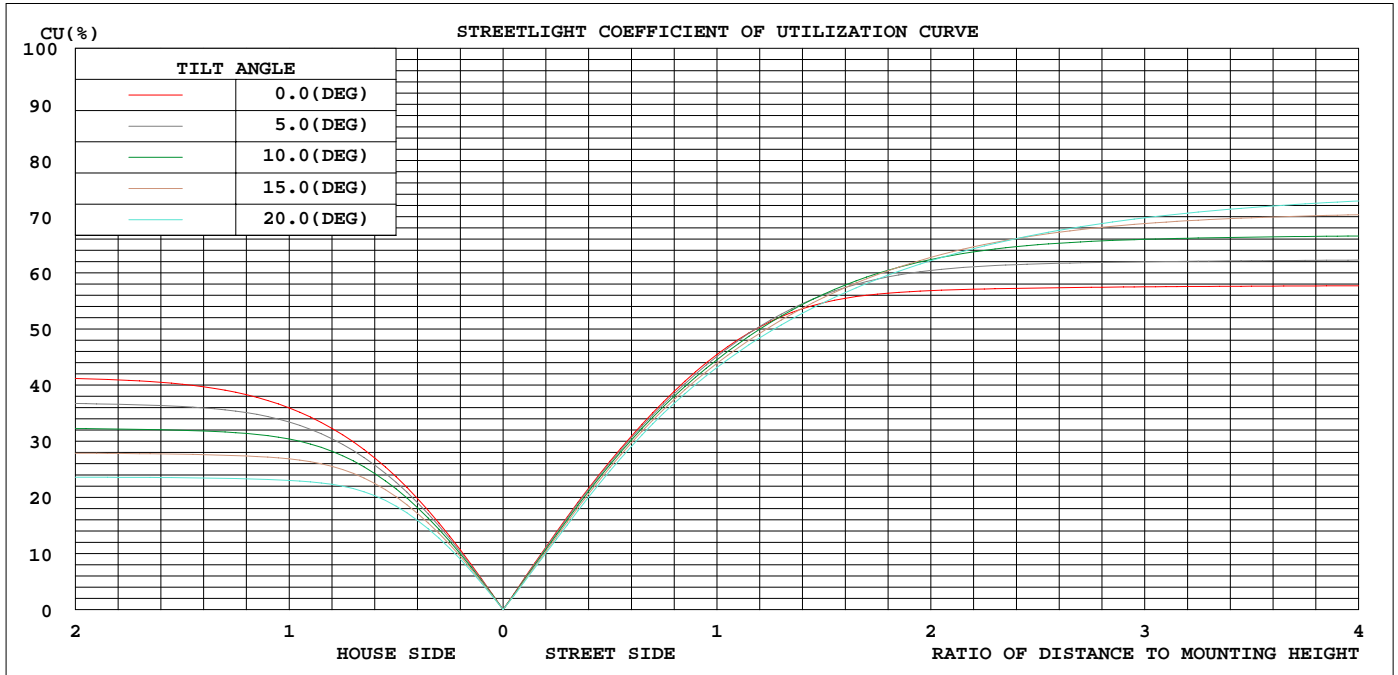
IES:Type II - Medium  
CIE:Narrow - Intermediate  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:95.99cd/klm  
Max.At90:0.7935cd/klm  
Max.80-90:95.99cd/klm

ISOCANDELA DIAGRAM		
UNIT	cd	
I <sub>max</sub> =100%	18748	
— 90%	16873	
— 80%	14998	
— 70%	13123	
— 60%	11249	
— 50%	9374	
— 40%	7499	
— 30%	5624	
— 20%	3750	
— 10%	1875	
— 5%	937	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0°C  
Operators:yangbin  
Test Date:2023-11-29

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:

# COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.0°C  
Operators: yangbin  
Test Date: 2023-11-29

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:

## ZONAL FLUX DIAGRAM

Test:U:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	Shielding Angle:

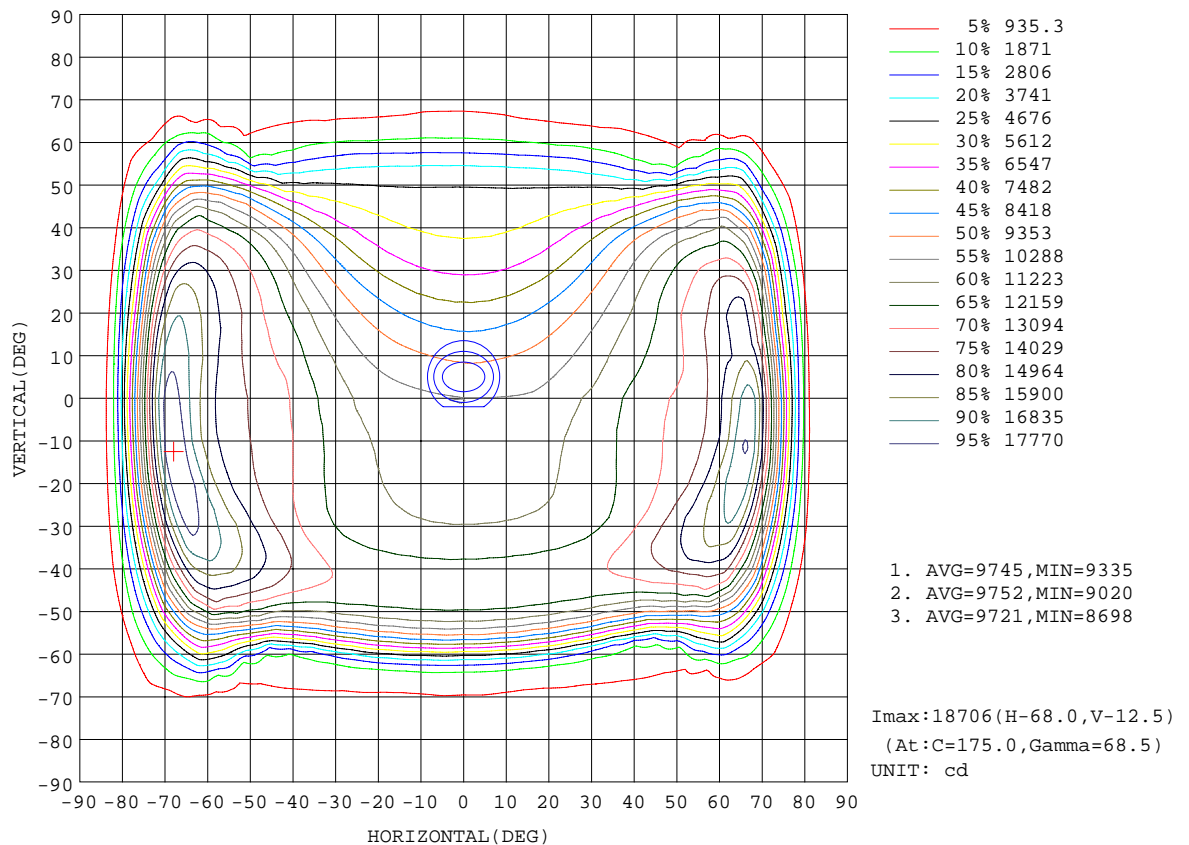
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	1028	1068	1079	1076	1038	963.9	916.8	958.8	0- 10	973.4	973.4	2.3,2.3
20	1060	1092	1095	1106	1071	904.9	785.6	898.9	10- 20	2856	3829	9.05,9.05
30	1135	1118	1128	1137	1157	862.7	641.3	855.1	20- 30	4633	8462	20,20
40	1237	1180	1247	1201	1287	820.3	545.2	814.8	30- 40	6415	14877	35.2,35.2
50	1311	1301	1207	1327	1387	732.4	462.9	724.8	40- 50	8239	23116	54.6,54.6
60	1469	935.8	500.9	1071	1525	449.1	211.9	398.0	50- 60	8973	32089	75.8,75.8
70	1517	116.0	90.47	133.9	1777	109.7	74.95	87.75	60- 70	6882	38971	92.1,92.1
80	161.1	27.88	26.25	40.05	406.2	26.64	20.59	18.13	70- 80	3013	41984	99.2,99.2
90	0.6120	0.1474	0.1549	0.8044	1.983	0.3026	0.1198	0.1841	80- 90	225.0	42209	99.7,99.7
100	1.889	0.2618	0.1659	0.2369	1.777	0.4523	0.2313	0.6085	90-100	5.458	42214	99.8,99.8
110	2.920	0.7351	0.3632	0.7068	2.847	1.424	0.8333	1.599	100-110	11.45	42226	99.8,99.8
120	3.291	1.350	0.7415	1.346	3.170	2.349	1.893	2.510	110-120	17.75	42244	99.8,99.8
130	3.076	1.832	1.148	1.728	2.915	2.719	2.780	2.999	120-130	20.41	42264	99.9,99.9
140	2.772	2.076	1.467	1.903	2.639	2.737	2.928	2.938	130-140	18.81	42283	99.9,99.9
150	2.641	2.222	1.776	2.072	2.522	2.677	2.825	2.809	140-150	15.36	42298	99.9,99.9
160	2.614	2.352	2.110	2.257	2.543	2.666	2.793	2.733	150-160	11.50	42310	100,100
170	2.689	2.548	2.449	2.489	2.668	2.714	2.791	2.739	160-170	7.303	42317	100,100
180	2.794	2.721	2.720	2.713	2.794	2.725	2.732	2.722	170-180	2.575	42320	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:yangbin  
Test Date:2023-11-29

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

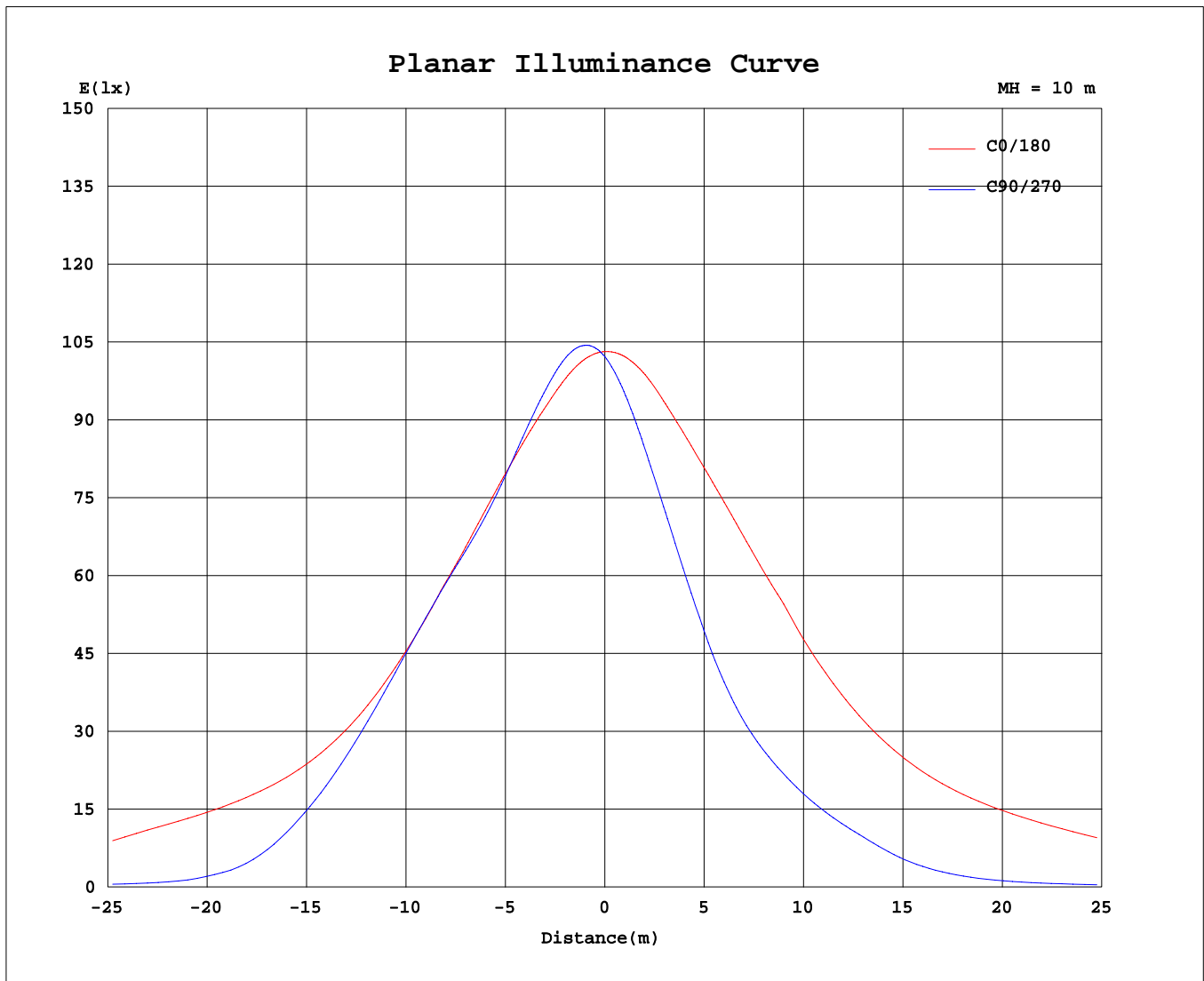
Test:U:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.0°C  
Operators: yangbin  
Test Date: 2023-11-29

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:

## Planar Illuminance Curve



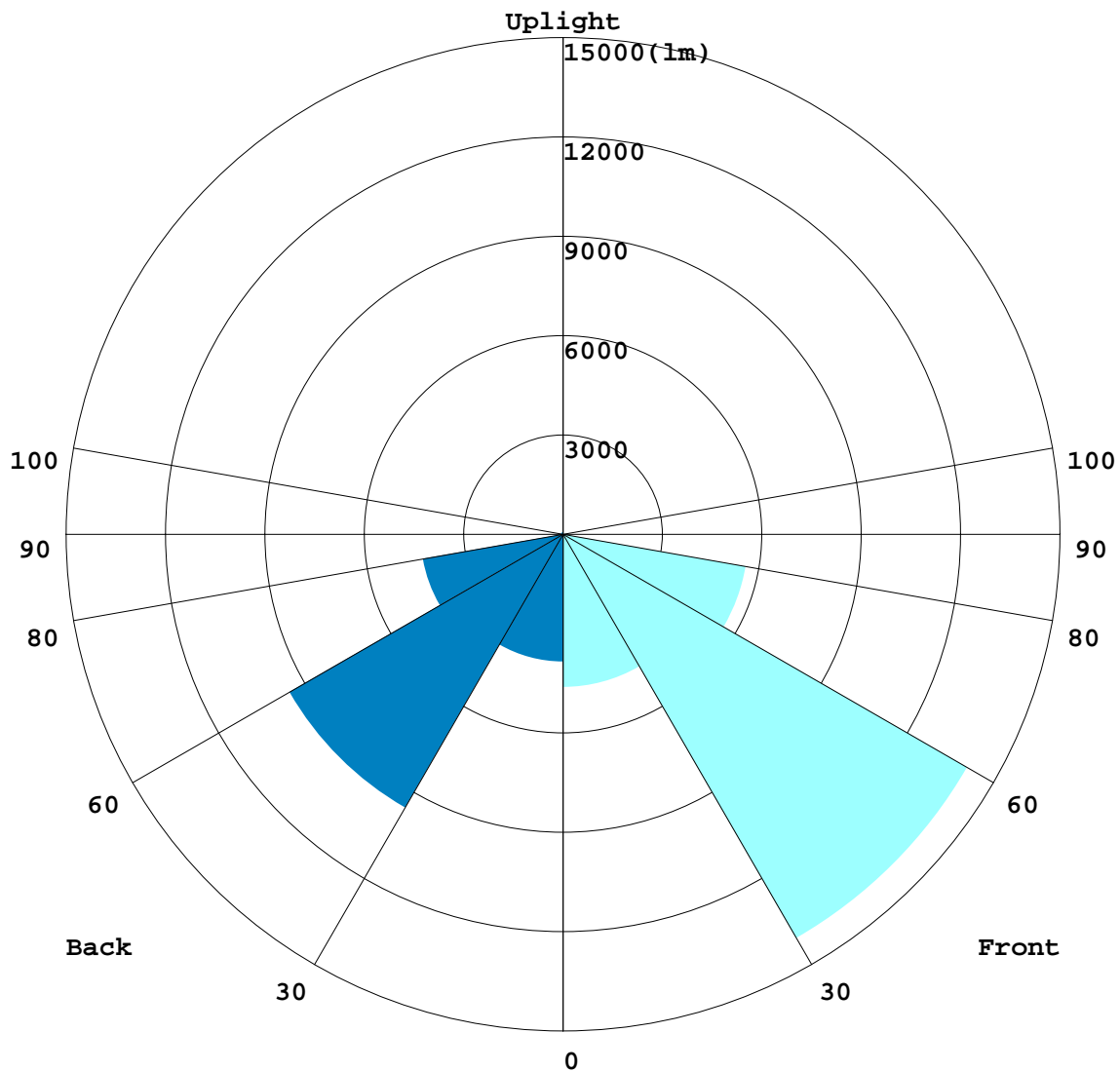
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.0°C  
Operators: yangbin  
Test Date: 2023-11-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
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:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0°C  
Operators:yangbin  
Test Date:2023-11-29

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

Test:U:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4613.7	10.9
FM - Front-Medium(30-60)	14088	33.3
FH - Front-High(60-80)	5602.2	13.2
FVH - Front-Very High(80-90)	128.71	0.3
Total Forward Light	24479	57.8

BL - Back-Low(0-30)	3848.6	9.1
BM - Back-Medium(30-60)	9538.8	22.5
BH - Back-High(60-80)	4292.9	10.1
BVH - Back-Very High(80-90)	96.268	0.2
Total Back Light	17841	42.2

UL - Uplight-Low(90-100)	5.458	0.0
UH - Uplight-High(100-180)	105.16	0.2
Total Up Light	110.61	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17777	64.239	17841
Street Side	24432	46.376	24479

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:yangbin  
Test Date:2023-11-29

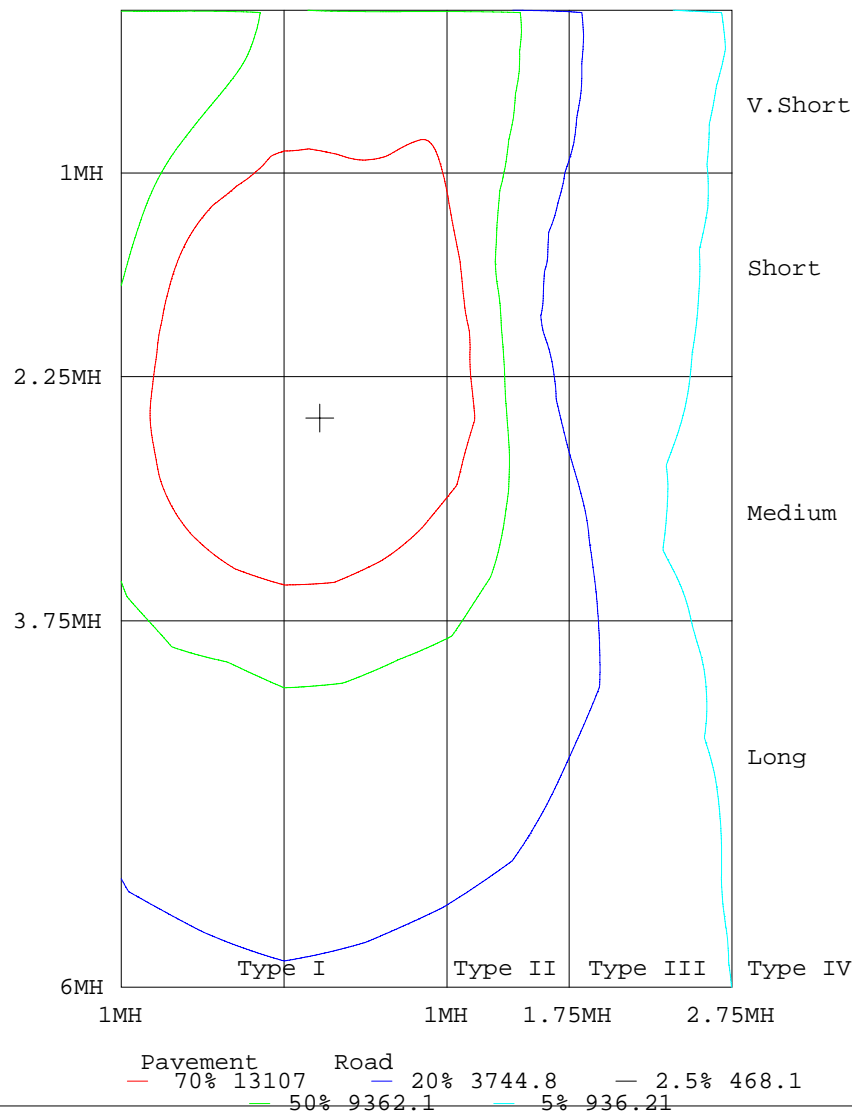
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:12.534m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0°C  
Operators:yangbin  
Test Date:2023-11-29

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:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	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	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024
5	1024	1028	1031	1034	1037	1039	1042	1044	1046	1048	1050	1052	1053	1055	1055	1057	1057	1058	1058
10	1028	1034	1040	1045	1050	1054	1058	1062	1064	1068	1070	1072	1073	1075	1075	1077	1077	1079	1079
15	1038	1045	1053	1059	1065	1070	1074	1077	1079	1082	1083	1085	1085	1086	1086	1087	1087	1088	1088
20	1060	1068	1076	1081	1086	1089	1090	1092	1091	1092	1091	1092	1092	1093	1092	1094	1094	1095	1095
25	1092	1101	1108	1112	1114	1113	1110	1108	1105	1103	1102	1102	1101	1101	1101	1103	1103	1105	1105
30	1135	1142	1148	1147	1145	1139	1133	1127	1121	1118	1115	1115	1116	1118	1120	1123	1125	1127	1128
35	1183	1189	1193	1187	1180	1169	1159	1149	1142	1139	1140	1144	1151	1158	1165	1171	1176	1179	1181
40	1237	1245	1246	1235	1223	1208	1195	1182	1178	1180	1190	1202	1215	1225	1234	1240	1244	1246	1247
45	1276	1283	1282	1273	1263	1251	1243	1238	1243	1252	1262	1268	1272	1275	1276	1278	1277	1278	1277
50	1311	1316	1318	1315	1315	1318	1328	1327	1317	1301	1282	1268	1250	1239	1224	1220	1210	1212	1207
55	1358	1364	1373	1387	1425	1436	1412	1364	1296	1232	1167	1124	1071	1041	1002	991	970	975	965
60	1469	1469	1519	1561	1553	1490	1387	1250	1077	936	805	716	642	602	552	535	506	509	501
65	1671	1727	1722	1669	1552	1376	1173	840	518	302	239	203	196	175	158	158	157	161	157
70	1517	1537	1469	1369	1263	978	604	226	125	116	107	99.9	93.4	91.3	86.9	86.9	88.5	91.3	90.5
75	756	798	761	734	597	433	154	82.3	70.7	65.8	61.6	58.2	54.2	53.0	51.8	52.2	53.1	55.4	55.2
80	161	178	174	153	111	74.0	42.0	34.8	29.6	27.9	26.4	26.1	24.3	24.7	24.9	25.5	25.7	26.4	26.2
85	8.82	12.5	15.3	15.6	13.6	11.2	8.39	7.42	6.26	6.55	6.20	6.57	6.24	6.66	6.52	7.07	6.22	4.75	4.41
90	0.61	0.55	0.52	0.43	0.37	0.28	0.22	0.18	0.16	0.15	0.16	0.14	0.14	0.15	0.16	0.21	0.19	0.18	0.15
95	1.19	1.10	1.00	0.84	0.70	0.52	0.40	0.27	0.20	0.17	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.14	0.13
100	1.89	1.78	1.63	1.40	1.17	0.91	0.71	0.50	0.36	0.26	0.22	0.20	0.19	0.19	0.18	0.18	0.17	0.17	0.17
105	2.50	2.36	2.19	1.92	1.66	1.35	1.09	0.82	0.63	0.46	0.36	0.31	0.29	0.27	0.26	0.25	0.25	0.24	0.24
110	2.92	2.80	2.64	2.36	2.08	1.76	1.49	1.20	0.96	0.74	0.60	0.50	0.45	0.42	0.40	0.38	0.38	0.37	0.36
115	3.19	3.10	2.95	2.72	2.46	2.15	1.87	1.57	1.30	1.05	0.87	0.73	0.66	0.61	0.59	0.56	0.55	0.54	0.54
120	3.29	3.22	3.11	2.94	2.71	2.45	2.18	1.88	1.61	1.35	1.16	1.00	0.91	0.83	0.80	0.77	0.75	0.74	0.74
125	3.24	3.18	3.10	2.95	2.77	2.58	2.35	2.10	1.86	1.62	1.43	1.26	1.16	1.07	1.03	0.99	0.97	0.95	0.95
130	3.08	3.02	2.95	2.84	2.73	2.57	2.40	2.22	2.02	1.83	1.66	1.50	1.39	1.30	1.24	1.19	1.16	1.15	1.15
135	2.90	2.86	2.81	2.73	2.66	2.55	2.42	2.28	2.13	1.98	1.82	1.69	1.58	1.49	1.42	1.37	1.33	1.32	1.31
140	2.77	2.74	2.70	2.65	2.62	2.52	2.42	2.32	2.19	2.08	1.95	1.83	1.73	1.64	1.57	1.52	1.49	1.47	1.47
145	2.69	2.65	2.64	2.62	2.58	2.51	2.43	2.35	2.25	2.15	2.04	1.95	1.86	1.78	1.72	1.67	1.64	1.62	1.62
150	2.64	2.62	2.63	2.61	2.58	2.53	2.45	2.38	2.30	2.22	2.13	2.05	1.97	1.91	1.86	1.82	1.79	1.78	1.78
155	2.62	2.62	2.63	2.62	2.58	2.54	2.47	2.42	2.35	2.28	2.21	2.15	2.09	2.05	2.01	1.99	1.96	1.95	1.94
160	2.61	2.63	2.63	2.64	2.59	2.55	2.50	2.46	2.40	2.35	2.30	2.27	2.22	2.20	2.17	2.15	2.13	2.12	2.11
165	2.63	2.66	2.67	2.65	2.61	2.59	2.54	2.51	2.47	2.44	2.41	2.39	2.36	2.35	2.33	2.32	2.30	2.30	2.29
170	2.69	2.72	2.70	2.68	2.65	2.63	2.60	2.58	2.56	2.55	2.53	2.52	2.50	2.50	2.49	2.48	2.46	2.46	2.45
175	2.76	2.78	2.74	2.73	2.69	2.68	2.66	2.66	2.65	2.65	2.63	2.64	2.62	2.63	2.62	2.62	2.60	2.61	2.60
180	2.79	2.78	2.75	2.73	2.72	2.73	2.72	2.72	2.72	2.72	2.71	2.72	2.72	2.73	2.73	2.73	2.72	2.73	2.72

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:yangbin  
Test Date:2023-11-29

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
γ 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:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	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	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024
5	1058	1058	1058	1057	1057	1056	1056	1054	1053	1051	1049	1047	1044	1042	1039	1036	1033	1029	1025
10	1080	1079	1081	1080	1080	1079	1079	1077	1076	1073	1071	1068	1064	1060	1056	1051	1045	1038	1031
15	1090	1090	1091	1091	1093	1093	1094	1093	1093	1092	1090	1087	1084	1079	1074	1068	1060	1050	1041
20	1097	1097	1099	1099	1101	1101	1104	1104	1106	1106	1107	1107	1105	1102	1097	1092	1083	1071	1060
25	1106	1107	1108	1109	1111	1112	1115	1117	1120	1122	1126	1130	1132	1134	1132	1129	1121	1106	1094
30	1129	1129	1129	1128	1128	1129	1131	1133	1137	1142	1149	1157	1165	1173	1176	1177	1171	1157	1144
35	1180	1179	1176	1172	1167	1163	1159	1157	1160	1167	1178	1191	1205	1219	1229	1235	1232	1218	1204
40	1247	1246	1242	1238	1231	1223	1213	1205	1201	1205	1217	1237	1256	1275	1289	1300	1299	1287	1273
45	1280	1280	1283	1282	1282	1280	1277	1273	1267	1268	1275	1293	1312	1330	1344	1354	1354	1340	1325
50	1216	1218	1233	1241	1259	1273	1292	1307	1327	1347	1361	1373	1377	1385	1392	1399	1399	1387	1374
55	984	991	1022	1042	1087	1123	1180	1228	1295	1365	1434	1480	1491	1480	1460	1454	1448	1437	1432
60	528	543	591	626	687	745	844	935	1071	1220	1393	1511	1592	1633	1608	1565	1537	1525	1536
65	166	167	176	198	219	254	279	343	538	767	1140	1370	1568	1705	1766	1787	1735	1702	1674
70	92.5	91.2	91.8	94.8	101	106	116	124	134	177	502	912	1332	1508	1661	1742	1812	1777	1681
75	56.6	55.8	56.8	58.1	61.6	64.1	70.7	76.6	83.5	90.6	110	381	707	923	1067	1121	1182	1167	1107
80	27.5	27.9	28.7	29.2	30.1	31.3	35.2	36.6	40.1	44.1	53.7	67.3	141	251	322	360	389	406	374
85	5.49	7.44	8.97	9.06	10.00	10.1	11.5	11.9	13.2	13.9	17.6	21.9	29.4	36.2	43.4	46.2	54.5	49.2	33.4
90	0.22	0.30	0.42	0.42	0.52	0.52	0.65	0.64	0.80	0.78	1.01	1.03	1.41	1.48	1.97	2.07	3.36	1.98	1.65
95	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.19	0.25	0.35	0.46	0.60	0.68	1.08	2.33	1.09	1.13
100	0.17	0.17	0.17	0.17	0.18	0.18	0.20	0.21	0.24	0.33	0.47	0.67	0.84	1.06	1.22	1.49	2.56	1.78	1.82
105	0.24	0.24	0.25	0.25	0.26	0.28	0.29	0.33	0.42	0.60	0.80	1.07	1.30	1.58	1.78	2.05	2.24	2.41	2.44
110	0.36	0.37	0.38	0.39	0.41	0.44	0.47	0.57	0.71	0.94	1.18	1.48	1.73	2.01	2.23	2.49	2.68	2.85	2.88
115	0.54	0.55	0.56	0.58	0.60	0.65	0.72	0.86	1.04	1.30	1.55	1.82	2.05	2.29	2.51	2.76	2.96	3.10	3.13
120	0.74	0.76	0.77	0.80	0.83	0.90	0.99	1.15	1.35	1.59	1.80	2.01	2.21	2.42	2.65	2.89	3.09	3.17	3.20
125	0.95	0.97	0.99	1.02	1.06	1.15	1.26	1.42	1.59	1.76	1.92	2.07	2.26	2.45	2.65	3.08	3.09	3.10	3.11
130	1.15	1.16	1.18	1.22	1.28	1.36	1.47	1.60	1.73	1.85	1.98	2.12	2.30	2.48	2.65	2.81	3.04	2.91	2.94
135	1.32	1.33	1.35	1.38	1.44	1.52	1.62	1.71	1.82	1.93	2.05	2.18	2.34	2.48	2.61	2.88	2.85	2.75	2.79
140	1.47	1.48	1.51	1.54	1.59	1.66	1.74	1.81	1.90	2.00	2.11	2.22	2.35	2.47	2.56	2.65	2.70	2.64	2.67
145	1.63	1.63	1.66	1.68	1.72	1.77	1.84	1.91	1.99	2.07	2.16	2.25	2.35	2.44	2.50	2.74	2.62	2.56	2.59
150	1.78	1.79	1.80	1.82	1.85	1.89	1.95	2.00	2.07	2.13	2.22	2.28	2.36	2.43	2.48	2.55	3.30	2.52	2.55
155	1.94	1.95	1.96	1.97	1.99	2.02	2.06	2.10	2.16	2.20	2.26	2.31	2.38	2.43	2.48	2.53	2.57	2.53	2.54
160	2.11	2.11	2.12	2.12	2.14	2.16	2.19	2.22	2.26	2.29	2.33	2.37	2.41	2.45	2.50	2.53	2.57	2.54	2.54
165	2.29	2.28	2.29	2.29	2.30	2.31	2.33	2.34	2.37	2.39	2.42	2.44	2.47	2.50	2.53	2.56	2.60	2.60	2.58
170	2.45	2.44	2.45	2.44	2.45	2.45	2.47	2.47	2.49	2.50	2.52	2.53	2.56	2.57	2.60	2.74	3.05	2.67	2.64
175	2.60	2.59	2.60	2.59	2.60	2.59	2.60	2.60	2.62	2.62	2.63	2.63	2.65	2.66	2.68	2.82	3.47	2.76	2.72
180	2.73	2.72	2.72	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.72	2.72	2.73	2.86	3.46	2.79	2.78

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:yangbin  
Test Date:2023-11-29

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
γ 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:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm		
NAME: Skylite	TYPE: LED	WEIGHT: 5.8
SPEC.: AL6740164G 240w4000K With glass	DIM.: 59*27*7.5	SERIAL No.: 001
MFR.: Americanlite	SUR.: 28*23	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	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024
5	1022	1018	1014	1010	1006	1002	998	994	991	987	985	982	980	978	977	976	976	975	976
10	1024	1016	1008	999	990	982	973	964	956	947	940	933	928	923	920	917	917	917	919
15	1030	1018	1005	992	978	964	949	934	918	904	891	879	870	862	857	853	853	853	856
20	1045	1029	1011	992	971	950	927	905	883	863	844	826	813	800	793	786	786	786	792
25	1075	1056	1031	1005	975	946	914	882	851	822	794	769	750	733	723	715	715	715	723
30	1122	1097	1065	1031	991	950	906	863	820	779	743	710	684	665	651	645	641	645	651
35	1179	1151	1112	1068	1016	961	902	842	785	733	689	652	624	605	592	586	582	586	592
40	1247	1214	1168	1115	1049	977	897	820	749	686	635	600	574	561	551	548	545	548	552
45	1300	1268	1221	1161	1081	990	889	791	705	634	586	556	535	523	514	511	509	512	516
50	1353	1326	1279	1212	1117	997	861	732	631	572	531	503	484	473	466	464	463	464	466
55	1423	1399	1341	1254	1127	955	771	616	536	484	445	419	402	384	373	363	361	359	368
60	1518	1468	1380	1247	1059	819	576	449	386	340	310	275	250	230	223	213	212	209	213
65	1612	1513	1347	1134	877	524	303	234	205	177	150	130	127	120	119	116	115	113	113
70	1574	1382	1198	848	470	142	121	110	98.6	84.3	80.1	73.4	72.1	71.8	74.9	75.0	75.0	73.5	71.1
75	1049	928	691	363	126	66.1	64.0	57.7	53.2	49.5	47.1	45.4	44.8	43.6	44.2	44.0	43.8	42.9	41.5
80	337	227	156	47.2	36.1	31.9	29.9	26.6	26.2	24.5	23.8	22.9	22.9	21.9	21.4	20.6	20.6	19.7	19.8
85	25.9	20.1	15.6	12.5	11.2	9.58	8.78	7.83	7.78	7.23	7.19	6.46	6.22	5.33	5.18	4.53	4.57	4.08	4.15
90	1.59	1.26	1.13	0.84	0.71	0.50	0.41	0.30	0.27	0.19	0.18	0.14	0.13	0.13	0.12	0.13	0.12	0.13	0.12
95	1.07	1.01	0.88	0.75	0.57	0.44	0.30	0.22	0.19	0.18	0.17	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.16
100	1.75	1.66	1.48	1.29	1.06	0.85	0.61	0.45	0.33	0.29	0.26	0.25	0.24	0.24	0.23	0.23	0.23	0.24	0.24
105	2.37	2.26	2.05	1.85	1.59	1.37	1.10	0.90	0.69	0.60	0.52	0.51	0.47	0.47	0.45	0.46	0.44	0.47	0.46
110	2.81	2.69	2.49	2.31	2.08	1.89	1.64	1.42	1.22	1.09	0.98	0.94	0.88	0.88	0.84	0.85	0.83	0.87	0.86
115	3.07	2.97	2.81	2.66	2.47	2.32	2.11	1.94	1.74	1.62	1.50	1.45	1.40	1.39	1.36	1.37	1.35	1.38	1.38
120	3.17	3.10	2.98	2.85	2.72	2.60	2.47	2.35	2.19	2.10	2.00	1.98	1.93	1.92	1.89	1.91	1.89	1.91	1.90
125	3.09	3.05	2.96	2.87	2.79	2.72	2.67	2.62	2.56	2.51	2.45	2.45	2.42	2.43	2.40	2.43	2.40	2.43	2.40
130	2.94	2.93	2.88	2.84	2.78	2.75	2.74	2.72	2.72	2.71	2.71	2.73	2.74	2.75	2.76	2.78	2.78	2.79	2.78
135	2.80	2.81	2.79	2.79	2.76	2.75	2.73	2.74	2.75	2.76	2.79	2.81	2.84	2.87	2.90	2.92	2.93	2.93	2.93
140	2.68	2.70	2.70	2.71	2.70	2.72	2.71	2.74	2.74	2.76	2.77	2.81	2.84	2.88	2.89	2.93	2.93	2.94	2.92
145	2.59	2.62	2.62	2.64	2.65	2.68	2.68	2.71	2.71	2.75	2.75	2.79	2.81	2.84	2.85	2.88	2.87	2.88	2.86
150	2.55	2.58	2.58	2.61	2.61	2.64	2.64	2.68	2.69	2.72	2.73	2.77	2.78	2.81	2.82	2.84	2.83	2.83	2.81
155	2.55	2.57	2.58	2.60	2.60	2.62	2.64	2.66	2.68	2.71	2.72	2.76	2.77	2.79	2.79	2.81	2.80	2.81	2.79
160	2.56	2.57	2.58	2.60	2.61	2.62	2.64	2.67	2.68	2.70	2.72	2.75	2.77	2.78	2.79	2.80	2.79	2.80	2.79
165	2.59	2.60	2.61	2.62	2.64	2.65	2.67	2.68	2.71	2.72	2.74	2.75	2.78	2.78	2.79	2.79	2.79	2.80	2.79
170	2.64	2.64	2.66	2.67	2.68	2.69	2.71	2.71	2.73	2.74	2.76	2.77	2.78	2.79	2.78	2.79	2.79	2.79	2.79
175	2.71	2.71	2.71	2.71	2.72	2.72	2.72	2.74	2.74	2.75	2.75	2.77	2.77	2.78	2.77	2.79	2.78	2.79	2.77
180	2.75	2.73	2.73	2.73	2.72	2.72	2.72	2.72	2.72	2.73	2.72	2.73	2.74	2.73	2.73	2.73	2.73	2.73	2.72

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:yangbin  
Test Date:2023-11-29

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:221.76V I:1.0699A P:232.55W PF:0.9801 Freq:50.00Hz Lamp Flux:42319.6x1 lm																	
NAME: Skylite									TYPE: LED						WEIGHT: 5.8		
SPEC.: AL6740164G 240w4000K With glass									DIM.: 59*27*7.5						SERIAL No.: 001		
MFR.: Americanlite									SUR.: 28*23						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	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024				
5	977	978	980	983	985	988	991	994	998	1002	1005	1009	1013	1017	1021				
10	922	926	931	938	944	951	959	967	974	982	990	998	1006	1014	1021				
15	861	869	878	889	901	914	927	941	955	968	981	993	1006	1017	1028				
20	799	812	825	842	859	878	899	920	941	962	982	1000	1018	1033	1047				
25	732	749	767	791	818	846	876	906	937	966	994	1018	1042	1060	1077				
30	664	683	708	740	775	814	855	897	939	978	1016	1047	1077	1099	1119				
35	605	623	651	687	730	780	834	890	946	996	1044	1083	1118	1144	1166				
40	562	576	601	635	686	747	815	886	958	1023	1080	1126	1166	1195	1219				
45	525	538	559	588	634	704	788	881	973	1053	1120	1168	1207	1234	1257				
50	472	483	502	529	567	626	725	850	974	1080	1166	1225	1263	1280	1297				
55	376	393	410	434	469	518	593	743	914	1073	1192	1273	1332	1355	1353				
60	215	231	248	280	303	345	398	518	748	967	1153	1299	1388	1441	1454				
65	110	113	113	123	141	161	172	218	384	724	1018	1209	1400	1530	1535				
70	67.1	66.7	66.6	70.8	72.8	80.8	87.8	94.4	104	280	636	976	1185	1331	1376				
75	40.4	40.4	39.9	40.7	41.7	43.9	45.0	48.6	50.1	74.1	216	453	570	688	658				
80	19.2	19.3	18.5	18.7	18.3	18.9	18.1	20.2	21.0	23.4	28.4	57.1	79.3	124	156				
85	3.87	4.13	3.89	4.12	3.71	3.82	3.53	3.86	3.83	4.50	4.74	5.89	6.38	7.55	8.10				
90	0.13	0.13	0.16	0.14	0.16	0.15	0.18	0.21	0.29	0.38	0.50	0.58	0.70	0.76	0.96				
95	0.16	0.17	0.17	0.18	0.19	0.21	0.29	0.41	0.59	0.74	0.96	1.12	1.30	1.41	1.64				
100	0.25	0.26	0.28	0.30	0.35	0.43	0.61	0.79	1.05	1.27	1.53	1.77	1.99	2.15	2.39				
105	0.50	0.51	0.57	0.61	0.72	0.85	1.08	1.28	1.56	1.79	2.08	2.32	2.59	2.77	3.02				
110	0.92	0.93	1.02	1.08	1.22	1.38	1.60	1.80	2.06	2.26	2.55	2.78	3.04	3.20	3.45				
115	1.43	1.45	1.54	1.60	1.75	1.88	2.09	2.27	2.51	2.71	2.96	3.16	3.35	3.48	3.68				
120	1.95	1.97	2.05	2.09	2.22	2.33	2.51	2.67	2.88	3.05	3.22	3.35	3.46	3.53	3.71				
125	2.45	2.45	2.51	2.55	2.64	2.72	2.85	2.96	3.08	3.16	3.24	3.29	3.34	3.38	3.55				
130	2.79	2.80	2.83	2.85	2.90	2.95	3.00	3.04	3.09	3.10	3.12	3.11	3.11	3.15	3.35				
135	2.92	2.93	2.94	2.94	2.96	2.98	3.01	3.00	3.01	2.99	2.99	2.95	2.94	2.96	3.19				
140	2.93	2.91	2.93	2.92	2.94	2.93	2.94	2.92	2.93	2.90	2.90	2.86	2.84	2.84	3.09				
145	2.86	2.84	2.85	2.85	2.87	2.86	2.87	2.84	2.85	2.83	2.83	2.80	2.78	2.77	3.03				
150	2.81	2.79	2.79	2.77	2.79	2.79	2.81	2.79	2.80	2.78	2.79	2.76	2.75	2.76	3.02				
155	2.79	2.77	2.77	2.75	2.76	2.74	2.76	2.75	2.76	2.74	2.75	2.73	2.73	2.77	3.06				
160	2.78	2.77	2.77	2.75	2.75	2.74	2.73	2.72	2.73	2.71	2.72	2.70	2.72	2.77	3.13				
165	2.78	2.78	2.77	2.76	2.75	2.74	2.73	2.72	2.72	2.71	2.72	2.70	2.70	2.78	3.22				
170	2.79	2.78	2.78	2.76	2.76	2.76	2.74	2.73	2.72	2.71	2.72	2.71	2.71	2.81	3.31				
175	2.78	2.77	2.77	2.76	2.76	2.75	2.74	2.73	2.73	2.72	2.72	2.72	2.73	2.84	3.42				
180	2.72	2.72	2.72	2.71	2.72	2.71	2.72	2.71	2.72	2.72	2.72	2.72	2.74	2.84	3.48				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:yangbin  
Test Date:2023-11-29

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: