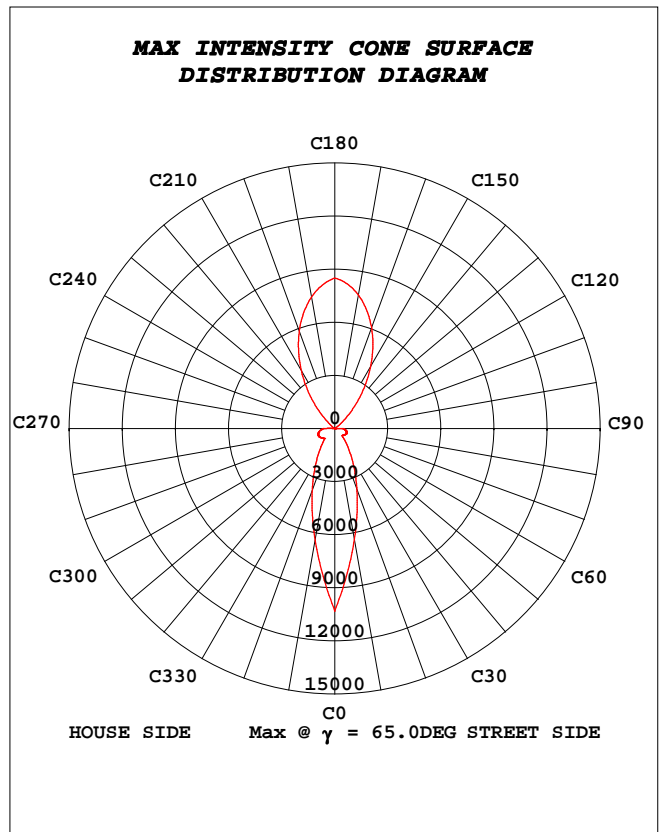
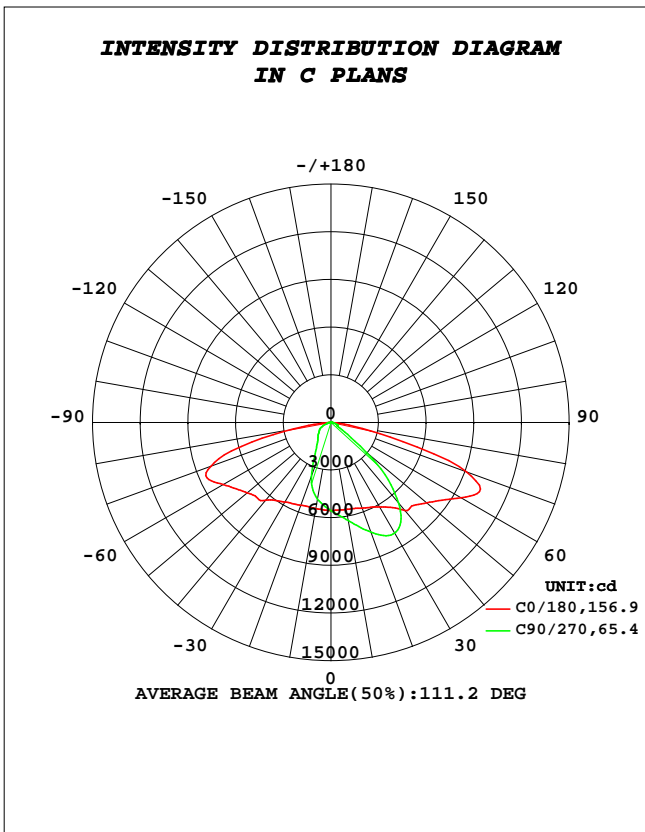


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.2x1 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 192.63 lm/W			
MODEL	LKH-120W-12合1-3030	I _{max} (cd)	10327	η street_up(%)	0.2
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	63.9
RATED VOLTAGE(V)	35	TOTAL FLUX(lm)	22981	η house_up(%)	0.4
NOMINAL FLUX(lm)	22981.2	MAXIMUM @(C,γ)	0,65.0	η house_down(%)	35.5
LAMPS INSIDE	1	η up(%)	0.6	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	35	η down(%)	99.4	SLI	21.985

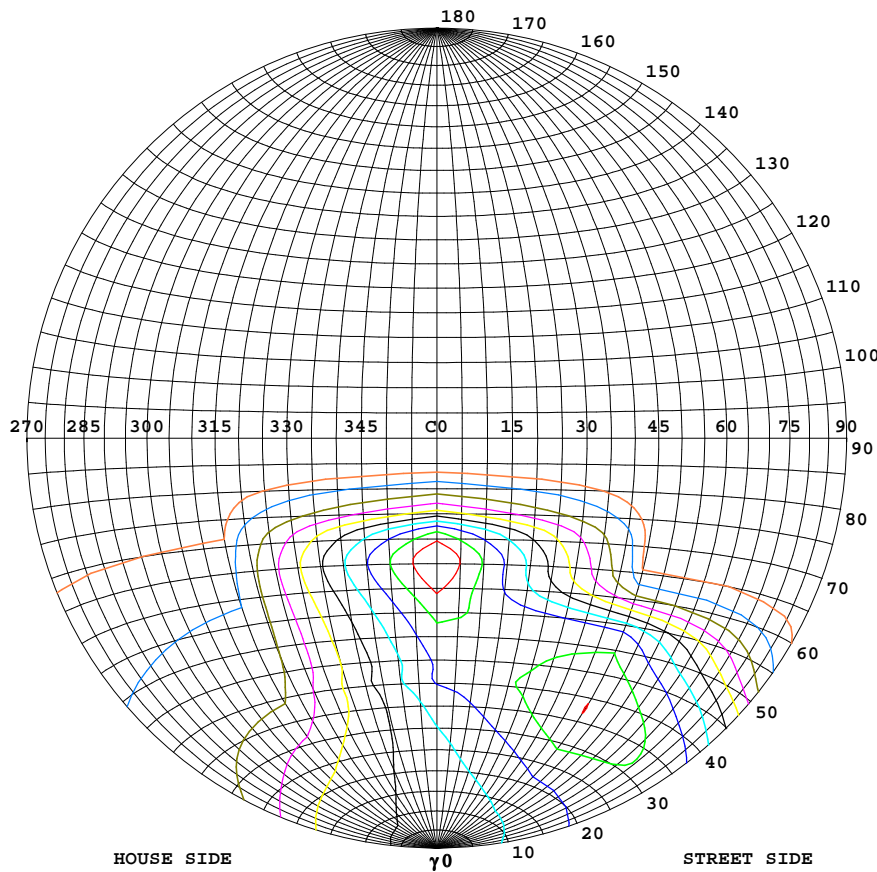


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:3.830m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.2x1 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:



Classification:

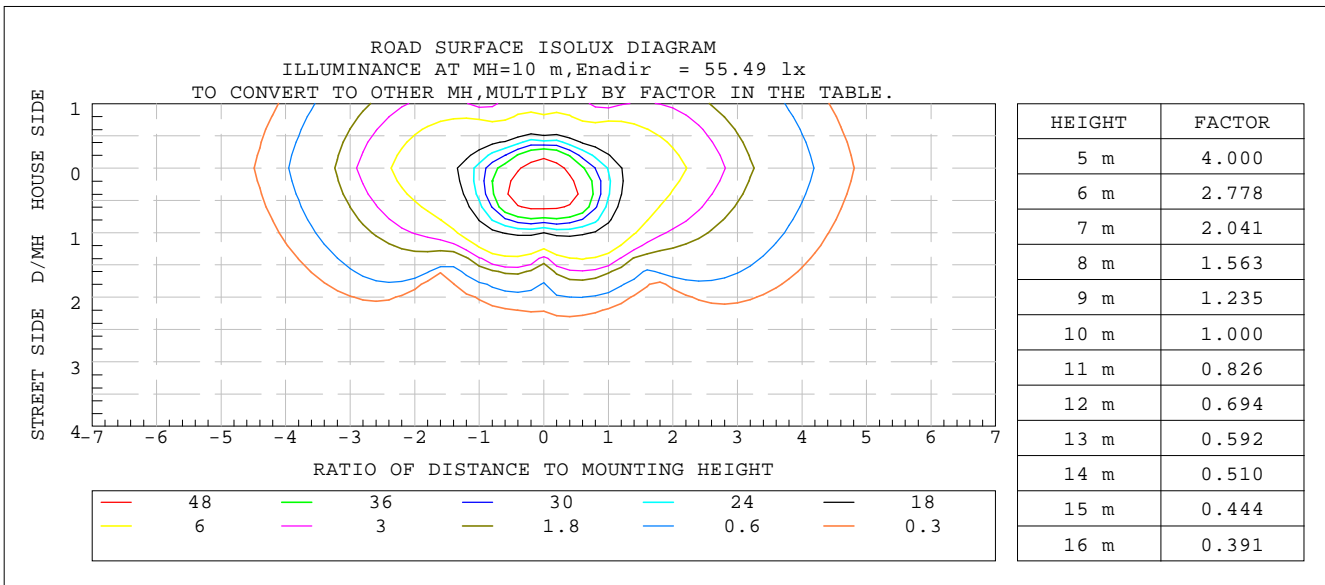
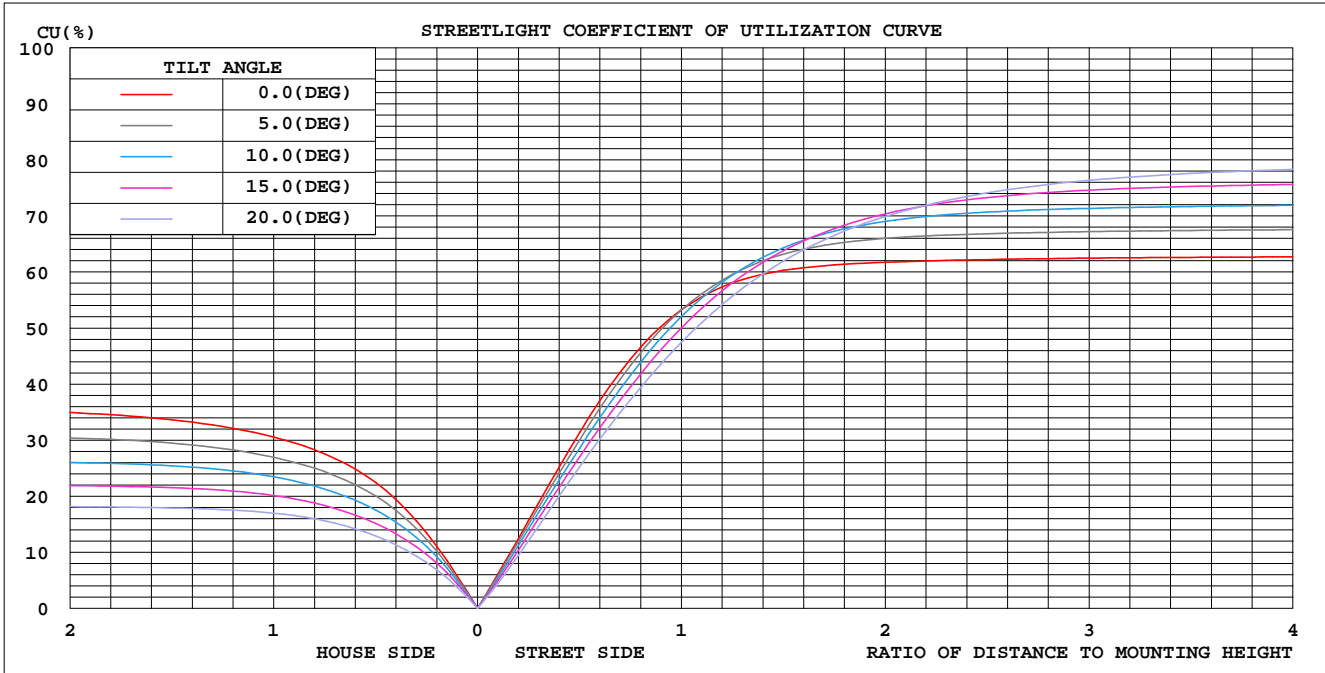
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:114.6cd/klm
 Max.At90:2.815cd/klm
 Max.80-90:114.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10327
90%	9294
80%	8262
70%	7229
60%	6196
50%	5164
40%	4131
30%	3098
20%	2065
10%	1033
5%	516

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:3.830m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 3.830m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.2x1 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:

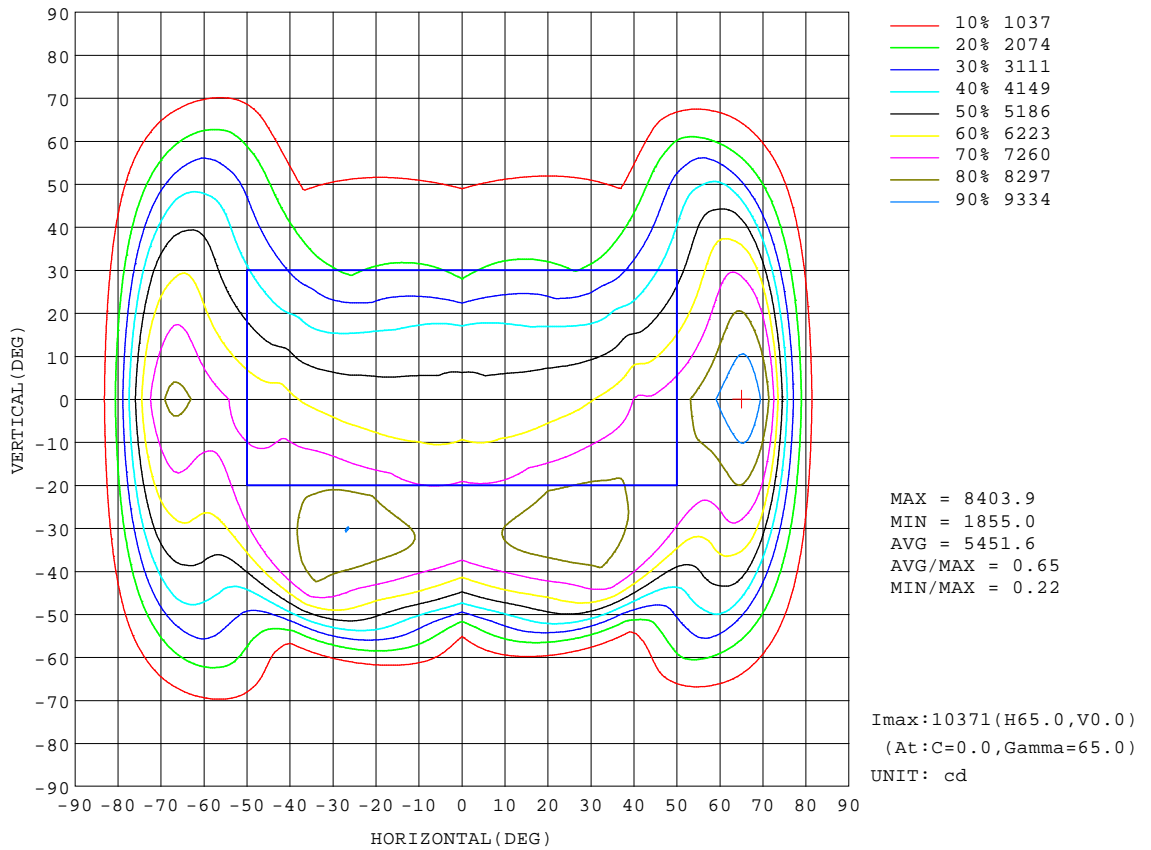
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	556.9	602.6	626.7	598.3	551.0	507.2	492.2	509.1	0- 10	529.6	529.6	2.54,2.54
20	574.5	699.9	734.3	683.6	555.3	437.5	360.0	445.7	10- 20	1584	2114	10.1,10.1
30	614.6	849.3	804.2	827.9	579.3	316.8	185.2	333.4	20- 30	2602	4716	22.6,22.6
40	725.1	926.5	661.9	939.7	639.2	184.3	128.8	195.3	30- 40	3519	8235	39.4,39.4
50	788.5	821.2	285.2	863.3	689.2	126.3	100.6	128.7	40- 50	3982	12217	58.5,58.5
60	949.0	251.1	51.25	405.6	783.2	98.39	79.64	99.37	50- 60	3742	15959	76.4,76.4
70	907.0	36.57	41.47	40.70	803.0	57.22	43.31	58.21	60- 70	2889	18848	90.2,90.2
80	153.4	17.21	15.89	18.81	239.5	23.51	21.50	23.87	70- 80	1660	20509	98.2,98.2
90	3.317	3.166	1.784	3.383	5.881	5.326	4.009	5.461	80- 90	251.6	20760	99.4,99.4
100	1.690	0.6865	0.5794	0.7661	2.382	2.157	1.478	2.241	90-100	23.20	20783	99.5,99.5
110	1.844	0.8794	0.5044	0.9690	2.510	2.368	2.034	2.460	100-110	16.93	20800	99.6,99.6
120	1.921	1.144	0.6856	1.234	2.488	2.556	2.399	2.768	110-120	17.77	20818	99.6,99.6
130	2.146	1.438	0.9594	1.467	2.640	2.599	2.718	3.034	120-130	18.06	20836	99.7,99.7
140	2.473	1.734	1.296	1.729	2.904	2.568	2.942	3.170	130-140	17.29	20853	99.8,99.8
150	2.846	2.027	1.676	2.022	3.137	2.790	3.009	3.233	140-150	15.52	20869	99.9,99.9
160	3.008	2.305	2.101	2.313	3.160	3.014	3.146	3.266	150-160	12.45	20881	99.9,99.9
170	3.055	2.584	2.545	2.644	3.113	3.028	3.224	3.214	160-170	8.086	20889	100,100
180	3.066	2.814	2.759	2.758	3.071	2.816	2.777	2.769	170-180	2.793	20892	100,100
DEG	LUMINOUS INTENSITY:×10cd								UNIT: lm			

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:3.830m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

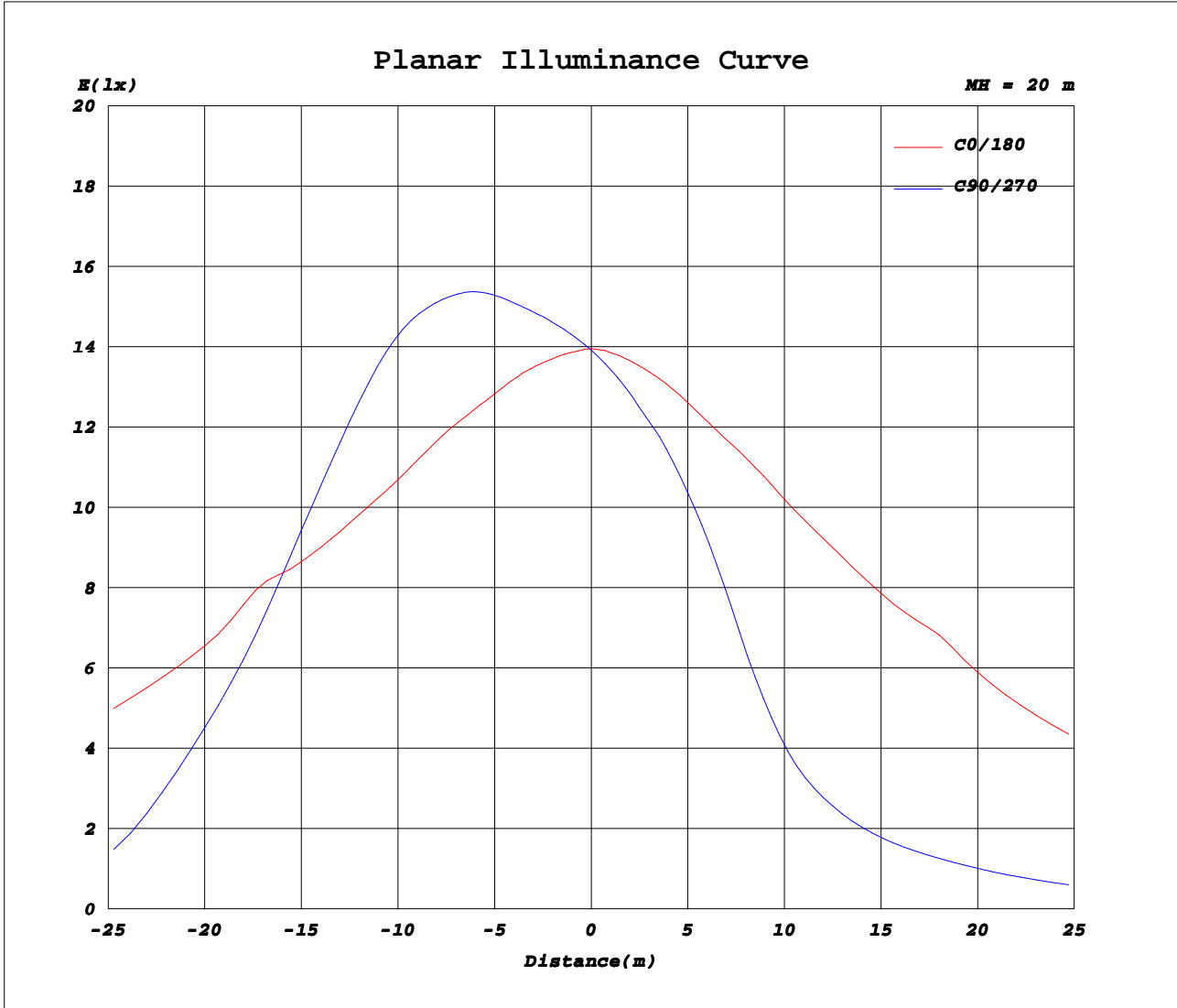
Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.21 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 3.830m [K=1.0000]
Remarks:

Planar Illuminance Curve



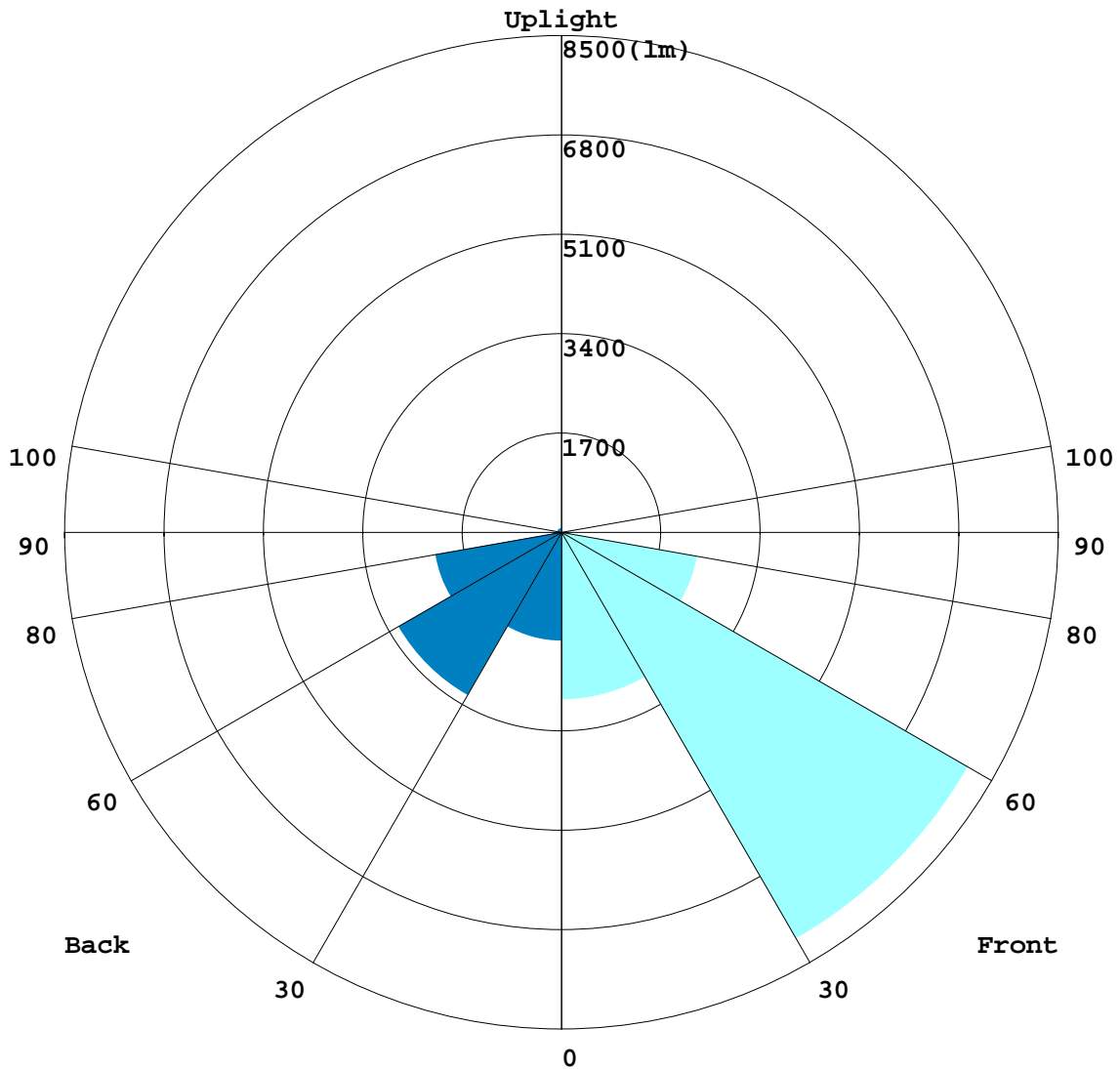
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 3.830m [K=1.0000]
Remarks:

LCS REPORT

Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.2x1 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:3.830m [K=1.0000]
Remarks:

BUG REPORT

Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.2x1 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2858.4	13.7
FM - Front-Medium(30-60)	8027	38.4
FH - Front-High(60-80)	2358.6	11.3
FVH - Front-Very High(80-90)	95.735	0.5
Total Forward Light	13388	64.1

BL - Back-Low(0-30)	1857.7	8.9
BM - Back-Medium(30-60)	3216.3	15.4
BH - Back-High(60-80)	2190.6	10.5
BVH - Back-Very High(80-90)	155.87	0.7
Total Back Light	7504.1	35.9

UL - Uplight-Low(90-100)	23.205	0.1
UH - Uplight-High(100-180)	108.89	0.5
Total Up Light	132.09	0.6

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7420.4	83.754	7504.1
Street Side	13340	48.34	13388

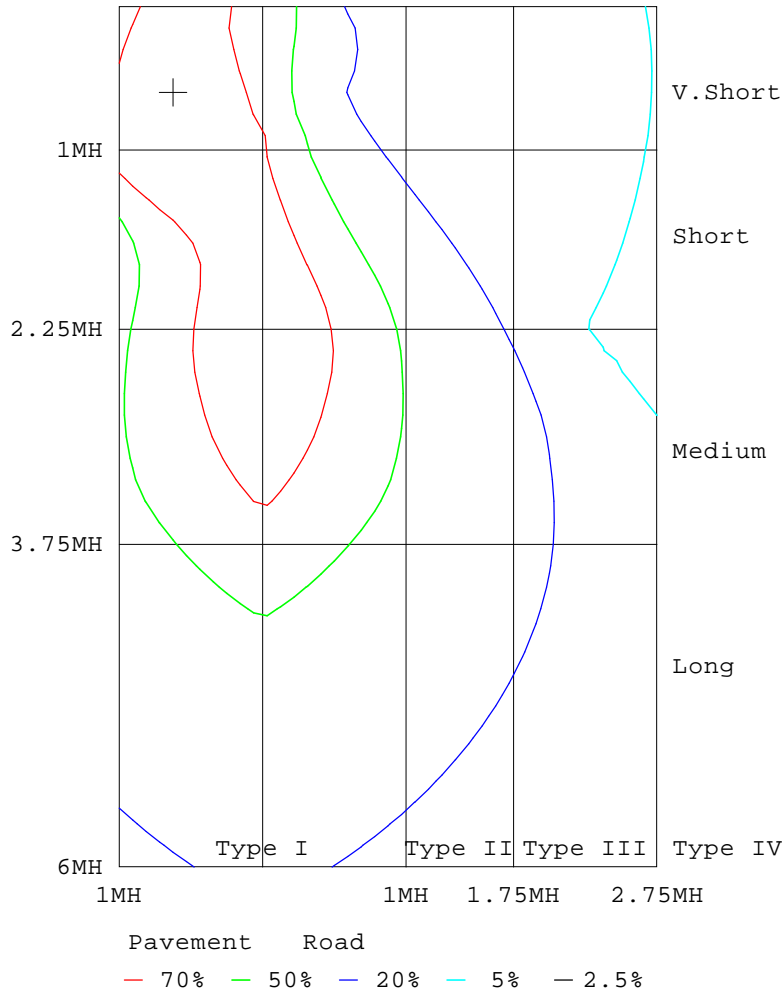
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:3.830m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.2x1 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 3.830m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:34.485V I:3.4601A P:119.32W PF:1.0000 Freq:0Hz Lamp Flux:22981.2x1 lm		
NAME: LKH-120W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.675*0.25	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315											
0	556	556	556	556	556	556	556	556											
5	554	577	587	575	552	533	525	534											
10	557	603	627	598	551	507	492	509											
15	561	643	679	633	550	477	442	482											
20	575	700	734	684	555	438	360	446											
25	589	769	786	748	566	385	256	397											
30	615	849	804	828	579	317	185	333											
35	653	919	765	913	601	243	149	258											
40	725	926	662	940	639	184	129	195											
45	739	885	510	916	664	146	115	151											
50	788	821	285	863	689	126	101	129											
55	855	653	107	752	730	111	90.3	113											
60	949	251	51.3	406	783	98.4	79.6	99.4											
65	1033	59.4	43.1	107	850	80.3	62.1	81.5											
70	907	36.6	41.5	40.7	803	57.2	43.3	58.2											
75	469	28.3	28.9	30.9	584	37.3	29.0	37.7											
80	153	17.2	15.9	18.8	239	23.5	21.5	23.9											
85	23.2	9.17	8.17	10.3	54.7	12.4	12.0	12.1											
90	3.32	3.17	1.78	3.38	5.88	5.33	4.01	5.46											
95	2.19	0.93	1.26	1.09	3.09	2.39	1.21	2.50											
100	1.69	0.69	0.58	0.77	2.38	2.16	1.48	2.24											
105	1.81	0.78	0.46	0.86	2.48	2.30	1.77	2.38											
110	1.84	0.88	0.50	0.97	2.51	2.37	2.03	2.46											
115	1.86	1.00	0.58	1.10	2.49	2.45	2.23	2.59											
120	1.92	1.14	0.69	1.23	2.49	2.56	2.40	2.77											
125	2.03	1.29	0.81	1.35	2.55	2.61	2.57	2.93											
130	2.15	1.44	0.96	1.47	2.64	2.60	2.72	3.03											
135	2.30	1.59	1.12	1.59	2.76	2.56	2.85	3.11											
140	2.47	1.73	1.30	1.73	2.90	2.57	2.94	3.17											
145	2.68	1.88	1.48	1.88	3.04	2.64	2.99	3.21											
150	2.85	2.03	1.68	2.02	3.14	2.79	3.01	3.23											
155	2.95	2.17	1.88	2.17	3.17	2.92	3.06	3.26											
160	3.01	2.30	2.10	2.31	3.16	3.01	3.15	3.27											
165	3.04	2.44	2.33	2.48	3.13	3.04	3.19	3.23											
170	3.06	2.58	2.55	2.64	3.11	3.03	3.22	3.21											
175	3.05	2.71	2.68	2.73	3.09	2.95	3.09	3.07											
180	3.07	2.81	2.76	2.76	3.07	2.82	2.78	2.77											

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:3.830m [K=1.0000]
Remarks: