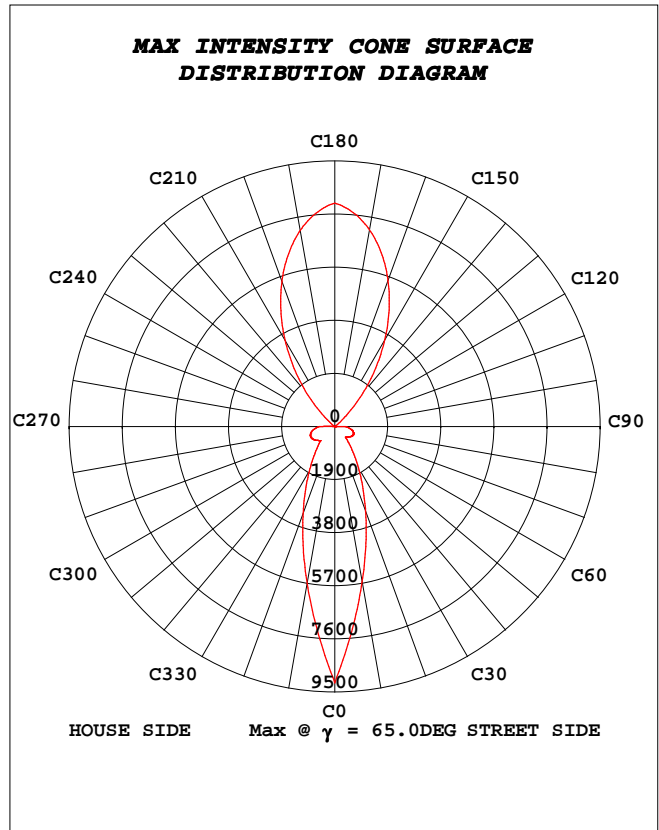
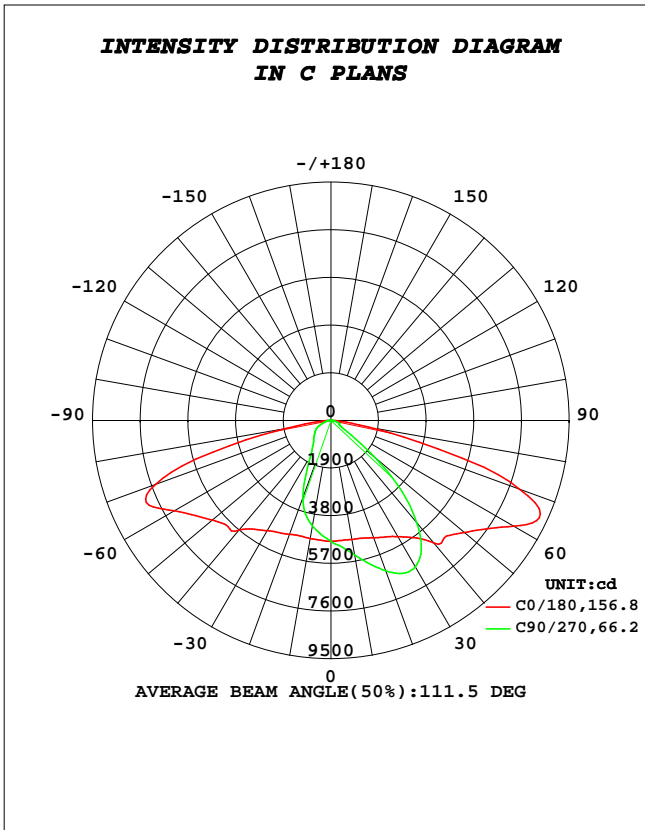


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 194.37 lm/W			
MODEL	LKH-100W-12合1-3030	I _{max} (cd)	9173	η street_up(%)	0.2
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	62.7
RATED VOLTAGE(V)	35	TOTAL FLUX(lm)	19605	η house_up(%)	0.4
NOMINAL FLUX(lm)	19604.7	MAXIMUM @(C,γ)	0,65.0	η house_down(%)	36.6
LAMPS INSIDE	1	η up(%)	0.6	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	35	η down(%)	99.4	SLI	21.964

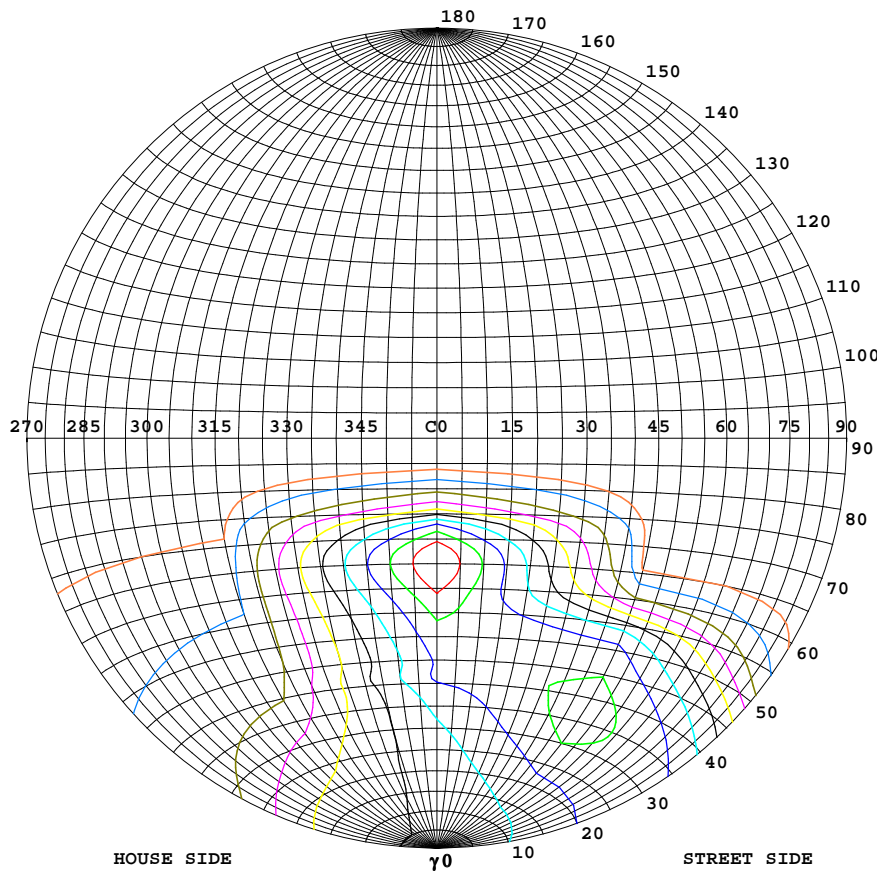


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

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:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030 100W	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*0.25	Shielding Angle:



Classification:

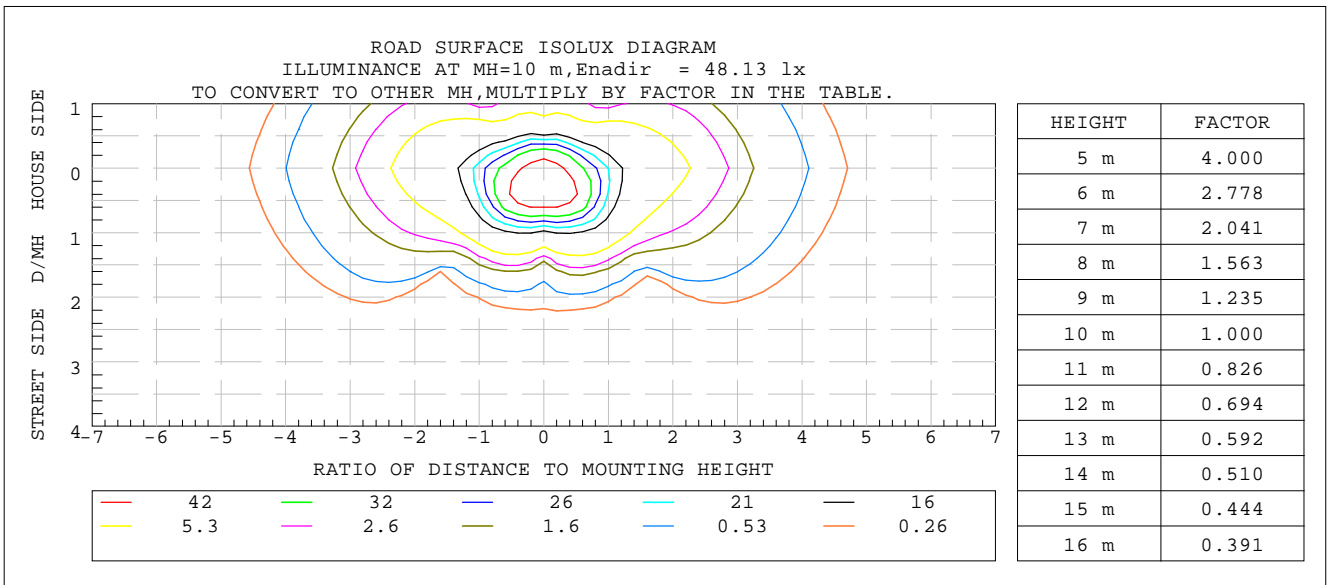
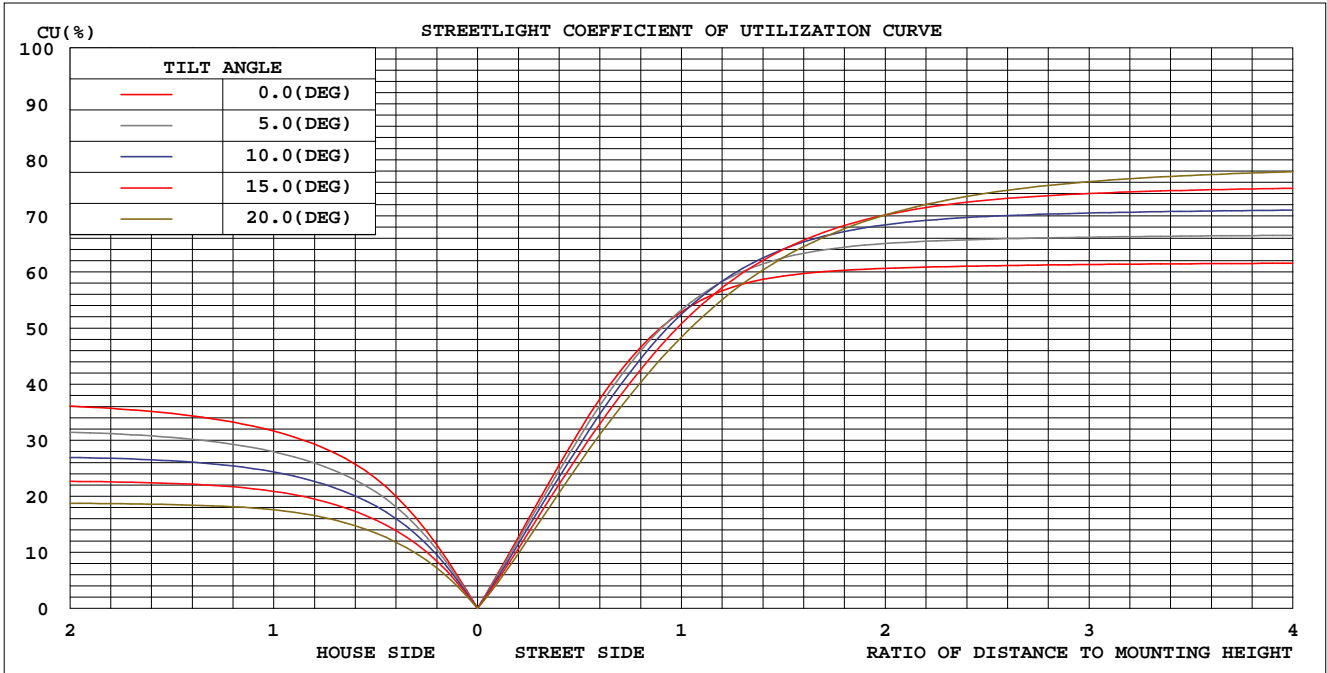
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:99.26cd/klm
 Max.At90:2.733cd/klm
 Max.80-90:99.26cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	9173
— 90%	8256
— 80%	7338
— 70%	6421
— 60%	5504
— 50%	4586
— 40%	3669
— 30%	2752
— 20%	1835
— 10%	917
— 5%	459

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:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*0.25	Shielding Angle:

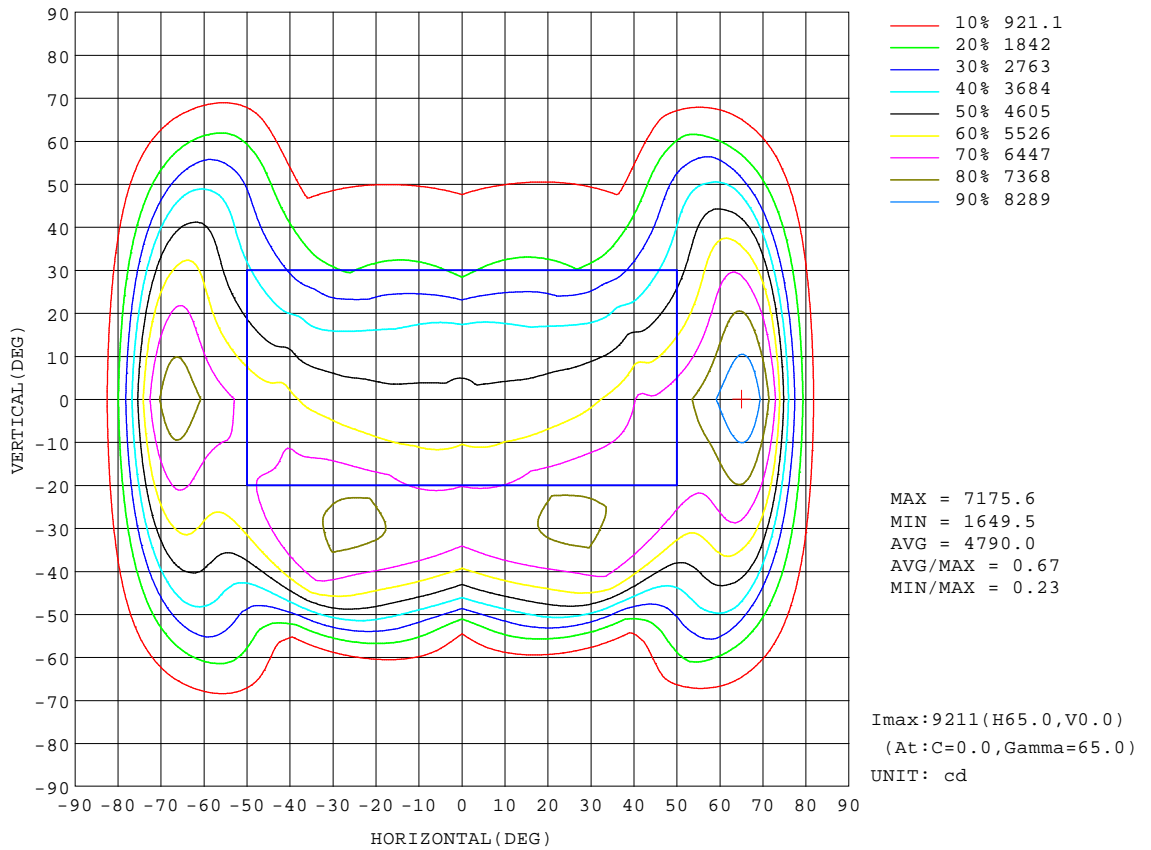
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4822	5246	5440	5209	4779	4416	4271	4430	0- 10	459.5	459.5	2.55,2.55
20	4981	6123	6377	6016	4832	3868	3284	3927	10- 20	1384	1843	10.2,10.2
30	5351	7352	6738	7304	5078	2934	1637	3055	20- 30	2285	4128	23,23
40	6361	7753	5329	7874	5716	1684	1087	1798	30- 40	3038	7166	39.8,39.8
50	6949	6689	2235	6934	6187	1078	859.0	1118	40- 50	3372	10538	58.6,58.6
60	8437	1983	419.0	2599	7215	837.4	687.1	859.9	50- 60	3104	13642	75.8,75.8
70	7991	298.0	328.0	318.9	7433	494.2	379.9	523.4	60- 70	2558	16200	90.1,90.1
80	1511	142.7	126.3	140.9	1785	193.4	183.1	213.7	70- 80	1459	17659	98.2,98.2
90	30.29	30.91	14.88	27.80	35.52	49.17	39.09	48.04	80- 90	211.5	17871	99.4,99.4
100	14.56	5.936	4.895	6.594	20.21	18.08	11.92	18.43	90-100	19.42	17890	99.5,99.5
110	16.05	7.976	4.464	8.730	21.77	20.98	17.09	21.56	100-110	14.50	17904	99.5,99.5
120	16.69	10.46	6.149	11.12	21.86	22.94	21.49	24.34	110-120	15.70	17920	99.6,99.6
130	18.50	13.21	8.686	13.17	23.12	23.35	24.48	26.62	120-130	16.05	17936	99.7,99.7
140	21.42	15.93	11.78	15.59	25.50	23.12	26.26	27.74	130-140	15.37	17952	99.8,99.8
150	24.95	18.57	15.27	18.23	27.66	24.76	26.76	28.14	140-150	13.79	17965	99.9,99.9
160	26.66	21.00	19.05	20.87	28.01	26.63	27.83	28.40	150-160	11.06	17976	99.9,99.9
170	27.43	23.33	23.02	23.77	27.92	26.89	28.49	28.28	160-170	7.210	17984	100,100
180	27.37	25.21	24.74	24.94	27.32	25.08	24.77	24.92	170-180	2.495	17986	100,100
DEG	LUMINOUS INTENSITY:cd									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

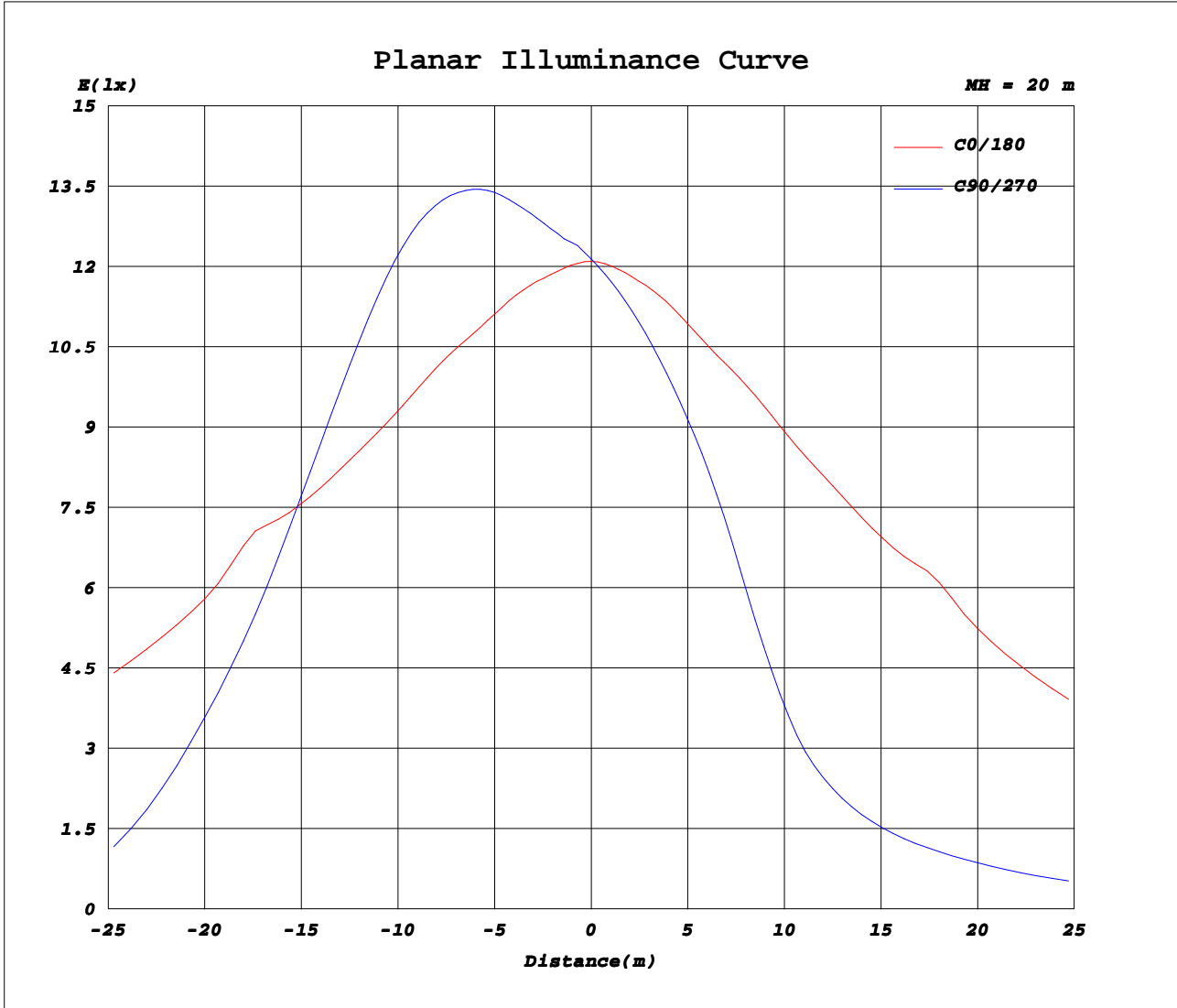
Test:U:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030 100W	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*0.25	Shielding Angle:



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



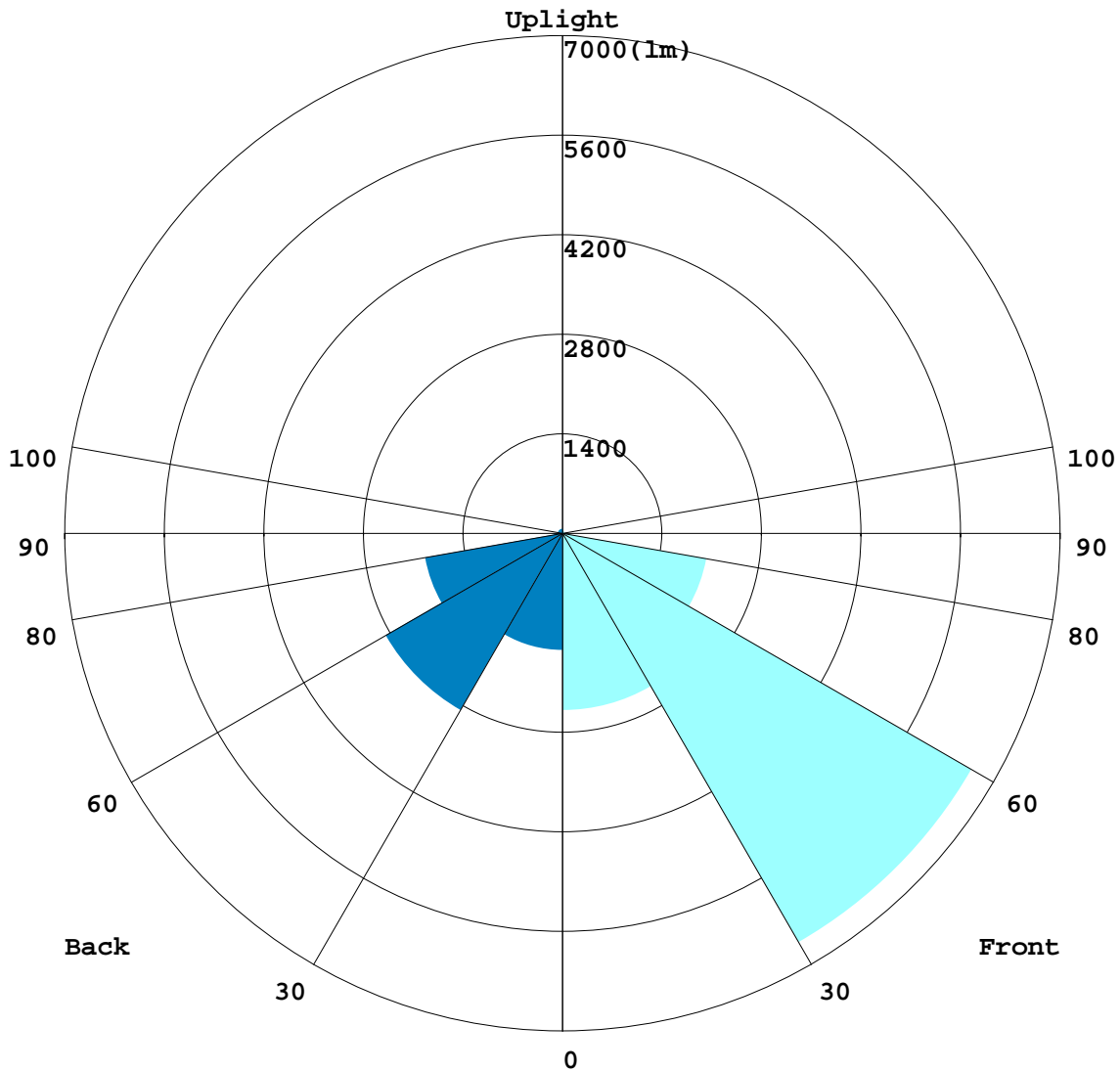
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-11

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:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*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:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2486.9	13.8
FM - Front-Medium(30-60)	6643.8	36.9
FH - Front-High(60-80)	2057.7	11.4
FVH - Front-Very High(80-90)	90.752	0.5
Total Forward Light	11322	62.9

BL - Back-Low(0-30)	1641	9.1
BM - Back-Medium(30-60)	2869.9	16.0
BH - Back-High(60-80)	1959.8	10.9
BVH - Back-Very High(80-90)	120.74	0.7
Total Back Light	6664	37.1

UL - Uplight-Low(90-100)	19.424	0.1
UH - Uplight-High(100-180)	96.188	0.5
Total Up Light	115.61	0.6

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6591.4	72.545	6664
Street Side	11279	43.067	11322

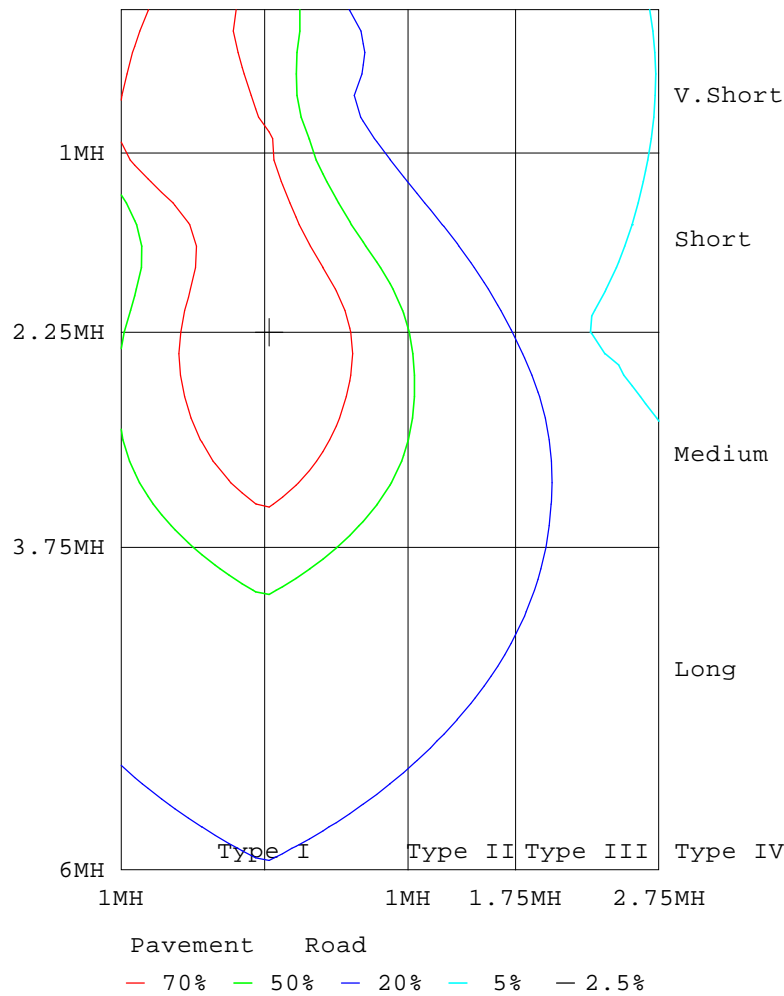
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

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:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*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:34.074V I:2.9601A P:100.86W PF:1.0000 Freq:0Hz Lamp Flux:19604.7x1 lm		
NAME: LKH-100W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.575*0.25	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	4819	4819	4819	4819	4819	4819	4819	4819											
5	4800	5005	5068	4986	4789	4623	4564	4632											
10	4822	5246	5440	5209	4779	4416	4271	4430											
15	4860	5632	5911	5557	4769	4172	3893	4212											
20	4981	6123	6377	6016	4832	3868	3284	3927											
25	5126	6713	6728	6618	4934	3473	2382	3564											
30	5351	7352	6738	7304	5078	2934	1637	3055											
35	5705	7777	6283	7854	5299	2284	1276	2412											
40	6361	7753	5329	7874	5716	1684	1087	1798											
45	6527	7302	4020	7481	5903	1280	974	1353											
50	6949	6689	2235	6934	6187	1078	859	1118											
55	7538	4886	837	5409	6611	951	770	977											
60	8437	1983	419	2599	7215	837	687	860											
65	9173	548	354	681	7997	691	541	721											
70	7991	298	328	319	7433	494	380	523											
75	4427	233	227	237	4880	318	245	335											
80	1511	143	126	141	1785	193	183	214											
85	258	81.2	63.8	76.9	353	106	108	109											
90	30.3	30.9	14.9	27.8	35.5	49.2	39.1	48.0											
95	19.3	9.87	11.3	7.90	26.3	17.3	9.71	18.5											
100	14.6	5.94	4.90	6.59	20.2	18.1	11.9	18.4											
105	15.6	6.96	3.90	7.65	21.4	19.9	14.4	20.3											
110	16.1	7.98	4.46	8.73	21.8	21.0	17.1	21.6											
115	16.3	9.16	5.20	9.92	21.8	22.0	19.5	22.9											
120	16.7	10.5	6.15	11.1	21.9	22.9	21.5	24.3											
125	17.5	11.8	7.33	12.2	22.4	23.4	23.1	25.7											
130	18.5	13.2	8.69	13.2	23.1	23.4	24.5	26.6											
135	19.8	14.6	10.2	14.3	24.2	23.1	25.5	27.3											
140	21.4	15.9	11.8	15.6	25.5	23.1	26.3	27.7											
145	23.3	17.3	13.5	16.9	26.7	23.7	26.6	28.0											
150	24.9	18.6	15.3	18.2	27.7	24.8	26.8	28.1											
155	26.0	19.8	17.1	19.5	28.0	25.8	27.1	28.3											
160	26.7	21.0	19.0	20.9	28.0	26.6	27.8	28.4											
165	27.1	22.2	21.1	22.3	27.9	26.9	28.3	28.3											
170	27.4	23.3	23.0	23.8	27.9	26.9	28.5	28.3											
175	27.4	24.3	24.2	24.6	27.7	26.2	27.1	27.1											
180	27.4	25.2	24.7	24.9	27.3	25.1	24.8	24.9											

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: