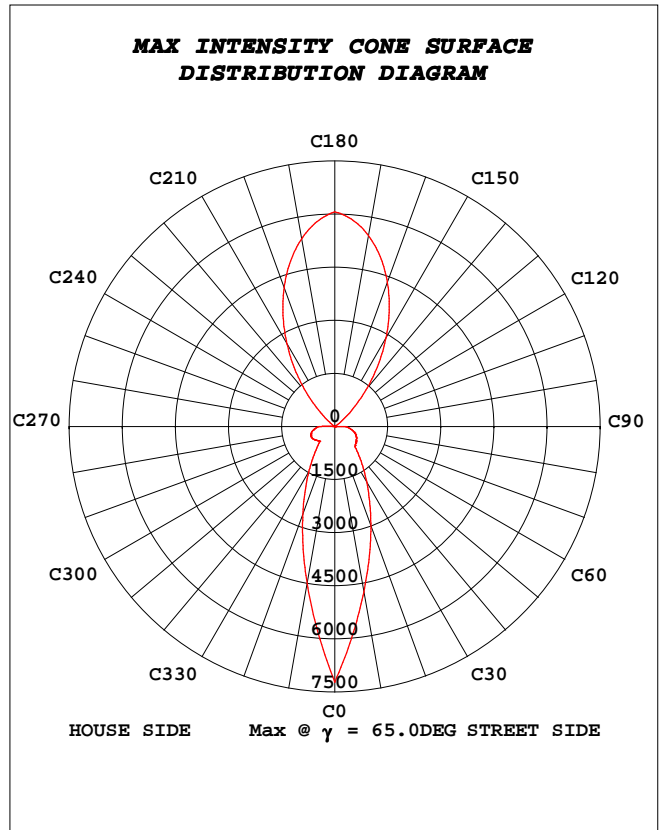
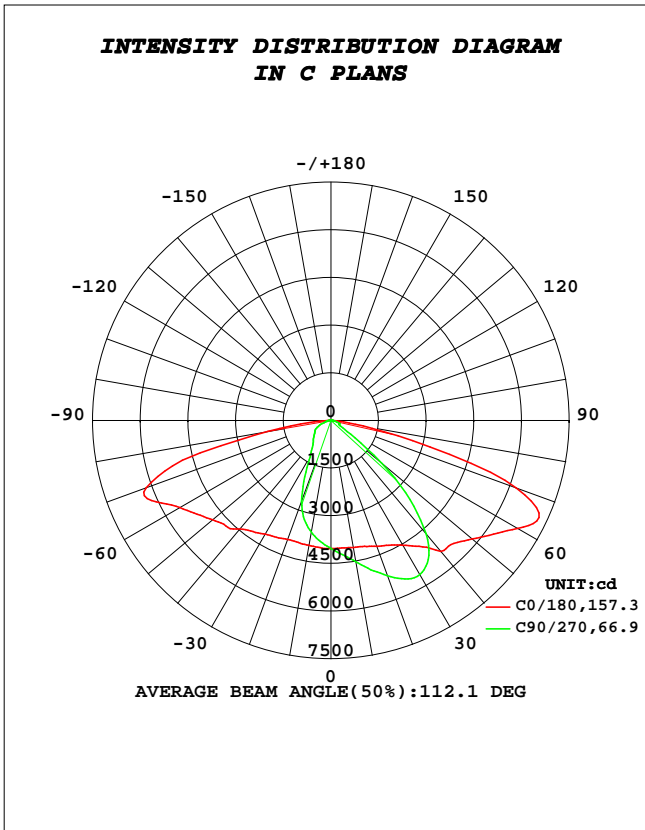


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 197.48 lm/W			
MODEL	LKH-80W-12合1-3030	I <sub>max</sub> (cd)	7227	η street_up(%)	0.2
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	63.5
RATED VOLTAGE(V)	33	TOTAL FLUX(lm)	15973	η house_up(%)	0.4
NOMINAL FLUX(lm)	15972.6	MAXIMUM @(C,γ )	0,65.0	η house_down(%)	35.8
LAMPS INSIDE	1	η up(%)	0.7	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	33	η down(%)	99.3	SLI	21.430

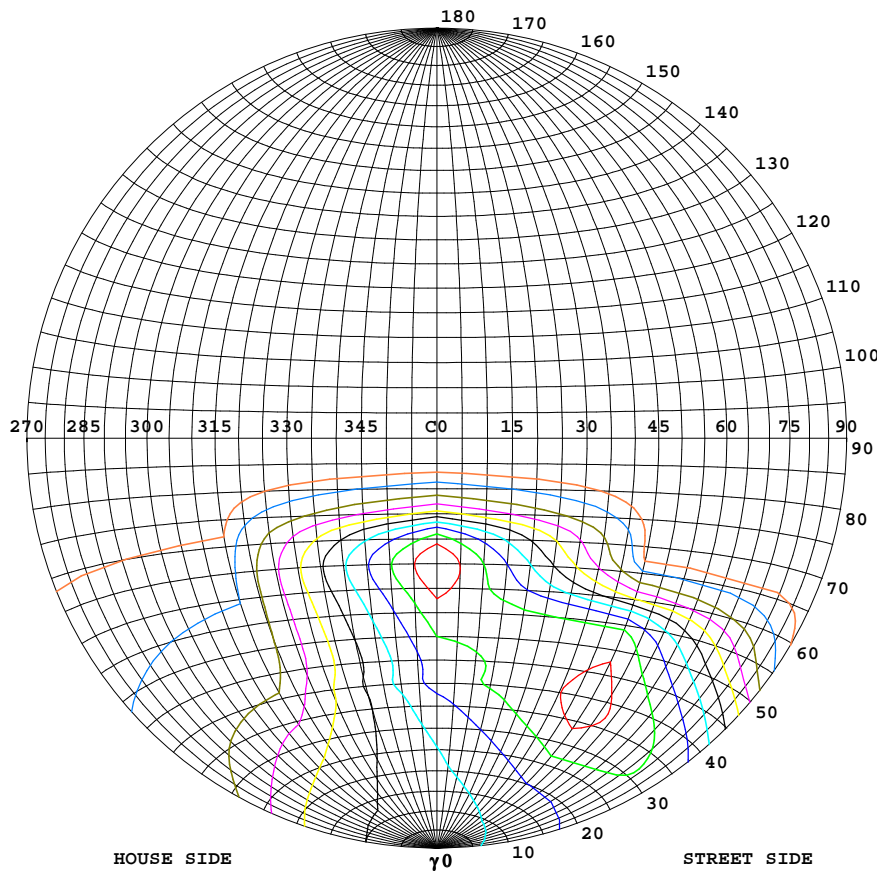


**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2024-06-07**

**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:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*0.25	Shielding Angle:



**Classification:**

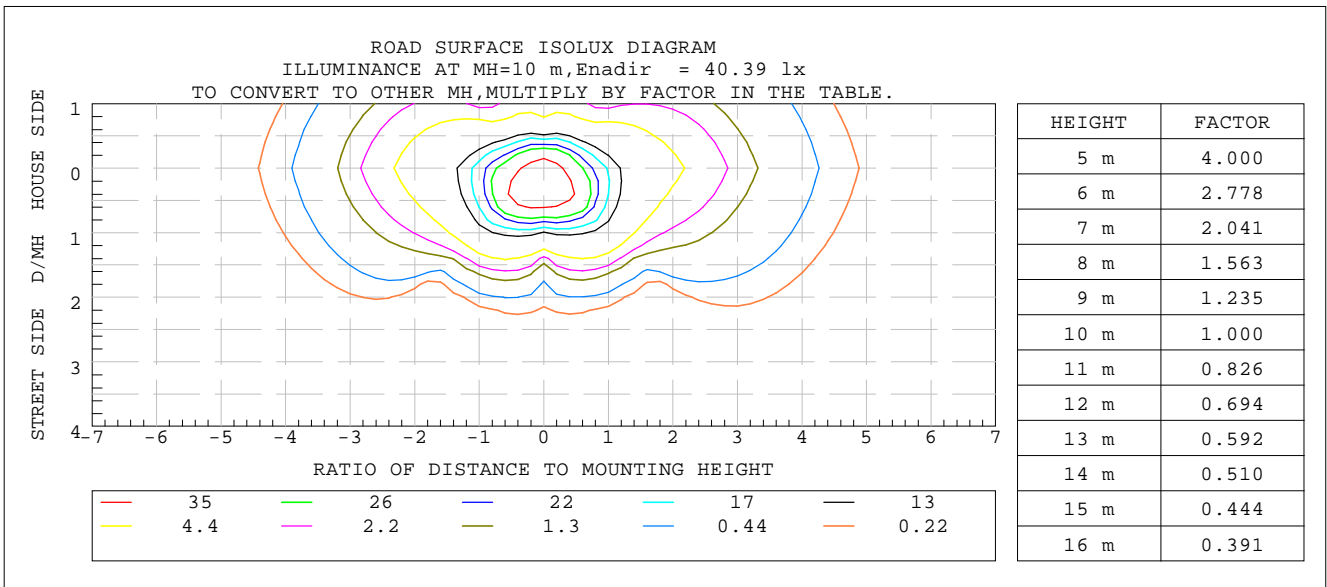
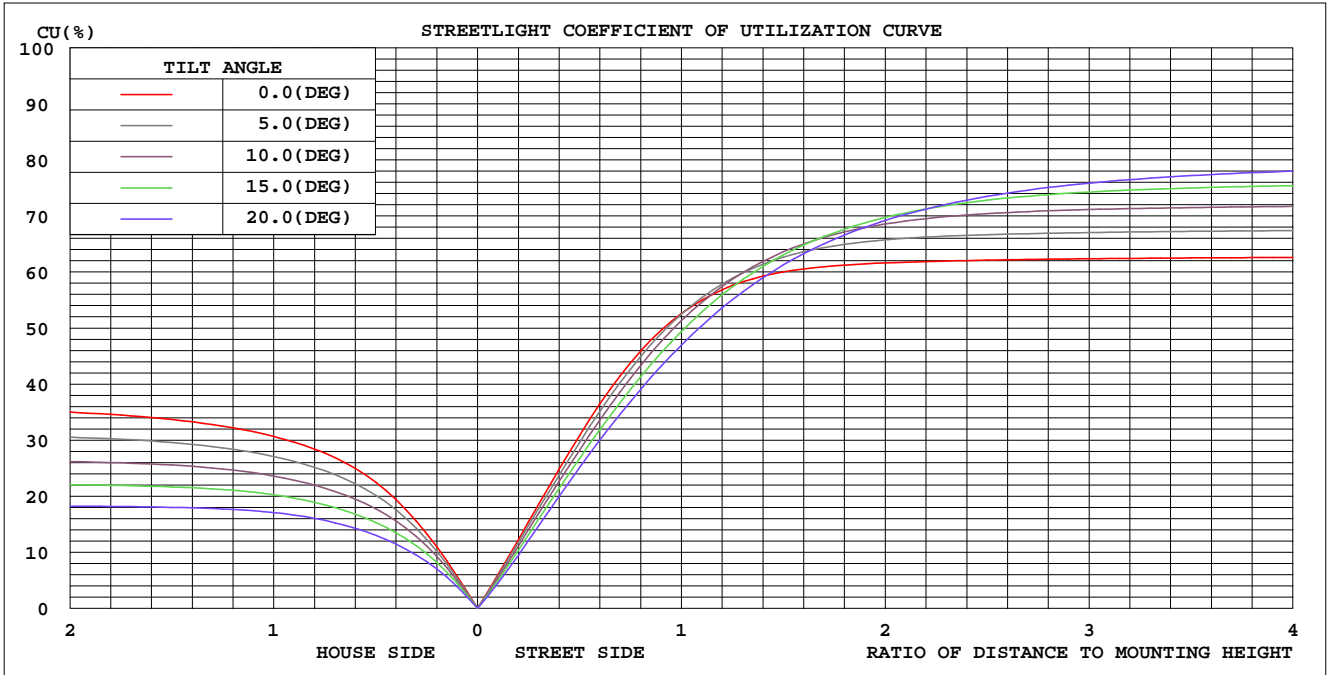
IES:Type II - Short  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:132.9cd/klm  
 Max.At90:2.736cd/klm  
 Max.80-90:132.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	7227
— 90%	6505
— 80%	5782
— 70%	5059
— 60%	4336
— 50%	3614
— 40%	2891
— 30%	2168
— 20%	1445
— 10%	723
— 5%	361

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2024-06-07**

**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: 2024-06-07**

**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:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*0.25	Shielding Angle:

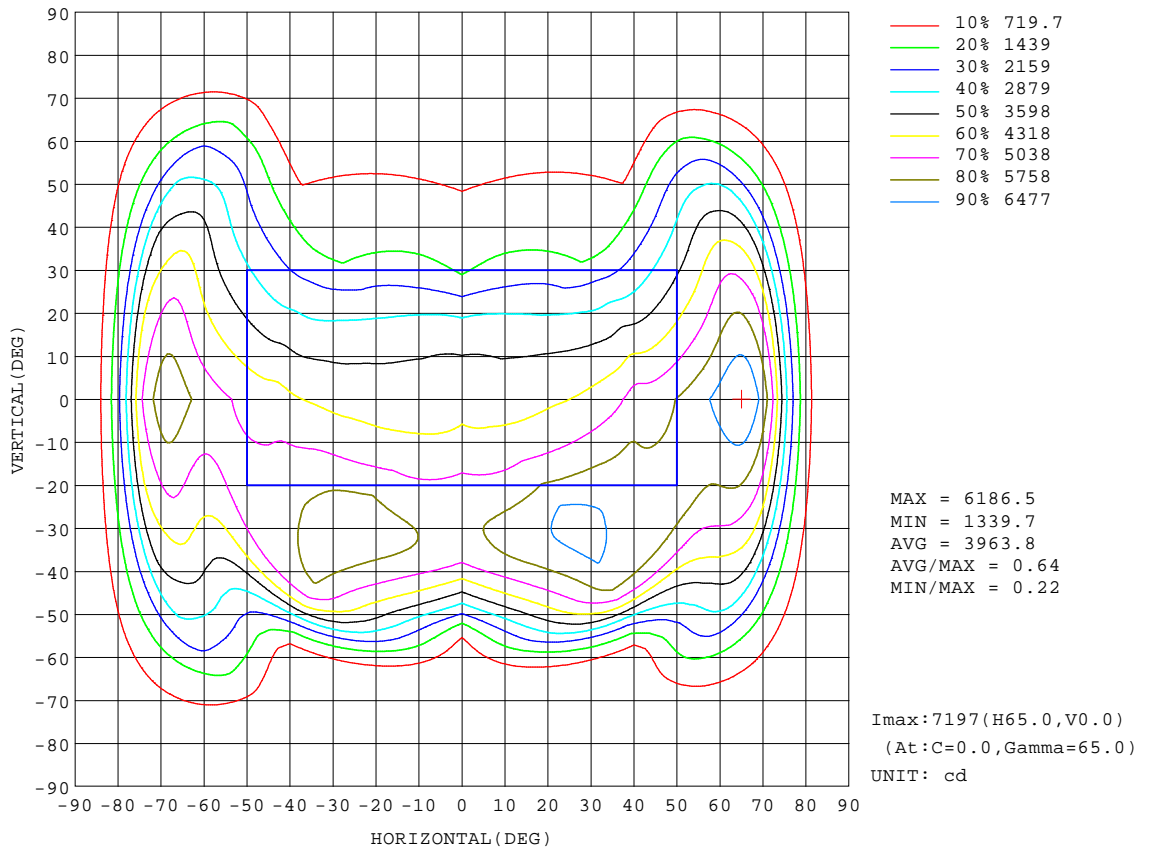
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4060	4350	4512	4294	3995	3713	3577	3731	0- 10	384.4	384.4	2.53,2.53
20	4219	5037	5198	4845	3987	3252	2709	3314	10- 20	1148	1533	10.1,10.1
30	4538	6114	5600	5781	4136	2529	1328	2611	20- 30	1887	3420	22.5,22.5
40	5380	6796	4652	6475	4463	1527	867.0	1569	30- 40	2544	5963	39.2,39.2
50	5808	6350	2087	6003	4868	911.1	683.8	930.0	40- 50	2866	8830	58,58
60	6800	2953	345.5	2906	5491	699.8	559.2	712.6	50- 60	2768	11598	76.2,76.2
70	6213	257.0	282.6	275.9	6188	440.0	300.7	429.7	60- 70	2103	13701	90.1,90.1
80	1037	120.3	110.3	130.3	2022	170.8	142.5	165.4	70- 80	1213	14914	98,98
90	20.97	27.63	24.47	27.35	41.39	41.62	36.41	40.38	80- 90	198.5	15112	99.3,99.3
100	12.19	5.417	5.268	5.557	18.47	16.23	10.13	15.68	90-100	17.68	15130	99.5,99.5
110	13.42	7.050	3.553	7.449	18.78	18.88	14.56	18.55	100-110	12.49	15142	99.5,99.5
120	14.38	9.105	4.933	9.504	19.07	20.42	18.69	20.90	110-120	13.58	15156	99.6,99.6
130	16.00	11.32	7.042	11.21	20.13	20.35	21.34	22.55	120-130	13.85	15170	99.7,99.7
140	18.55	13.48	9.623	13.16	22.04	20.01	22.74	23.35	130-140	13.16	15183	99.8,99.8
150	21.29	15.58	12.51	15.30	23.87	21.66	22.91	23.48	140-150	11.75	15195	99.9,99.9
160	22.47	17.49	15.60	17.41	24.14	23.19	23.70	23.73	150-160	9.369	15204	99.9,99.9
170	23.09	19.57	18.82	19.82	23.94	23.11	24.13	23.58	160-170	6.081	15210	100,100
180	23.30	21.47	20.90	21.26	23.43	21.50	21.04	21.38	170-180	2.105	15212	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:2024-06-07**

**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**

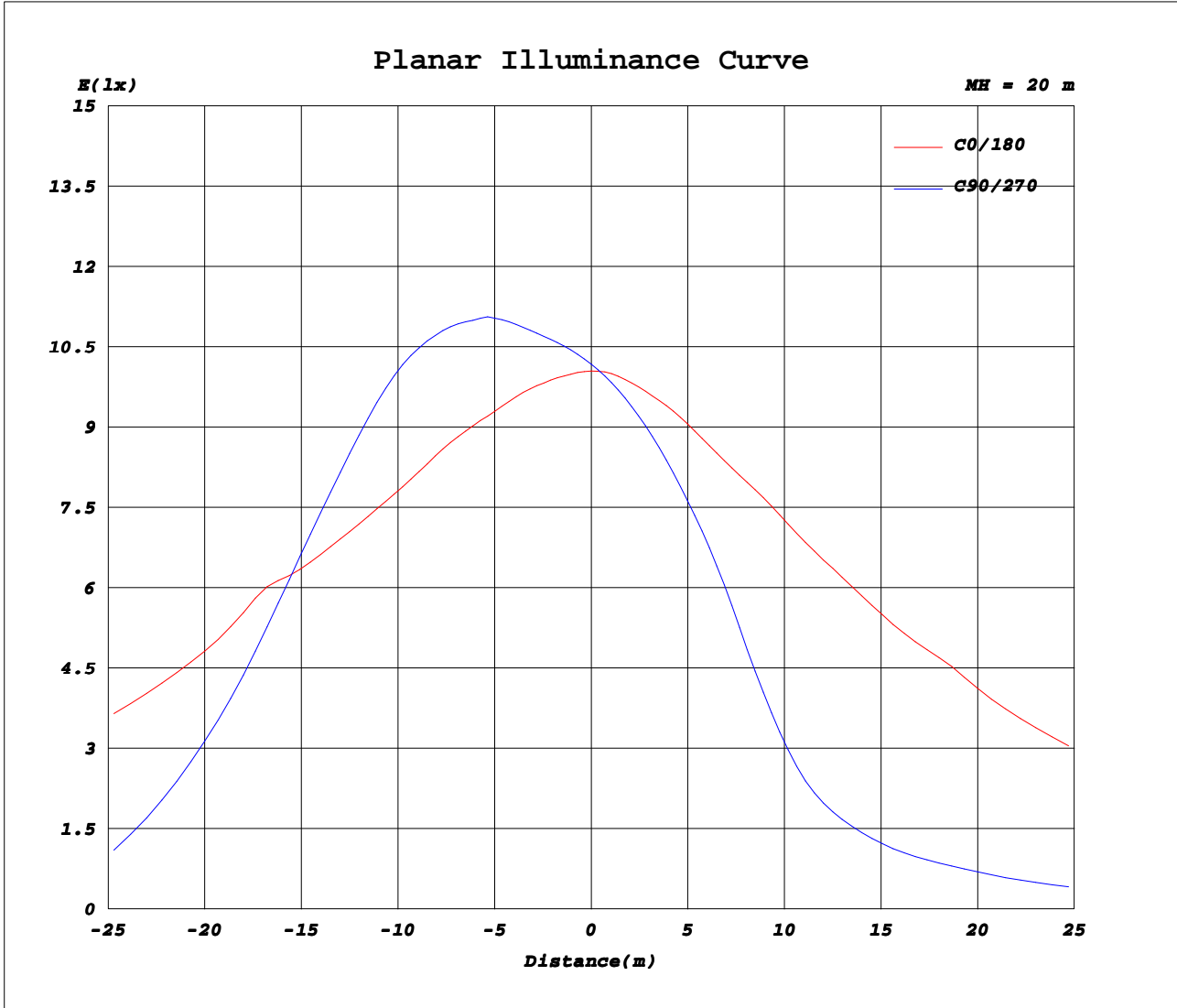
Test:U:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*0.25	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2024-06-07**

**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**



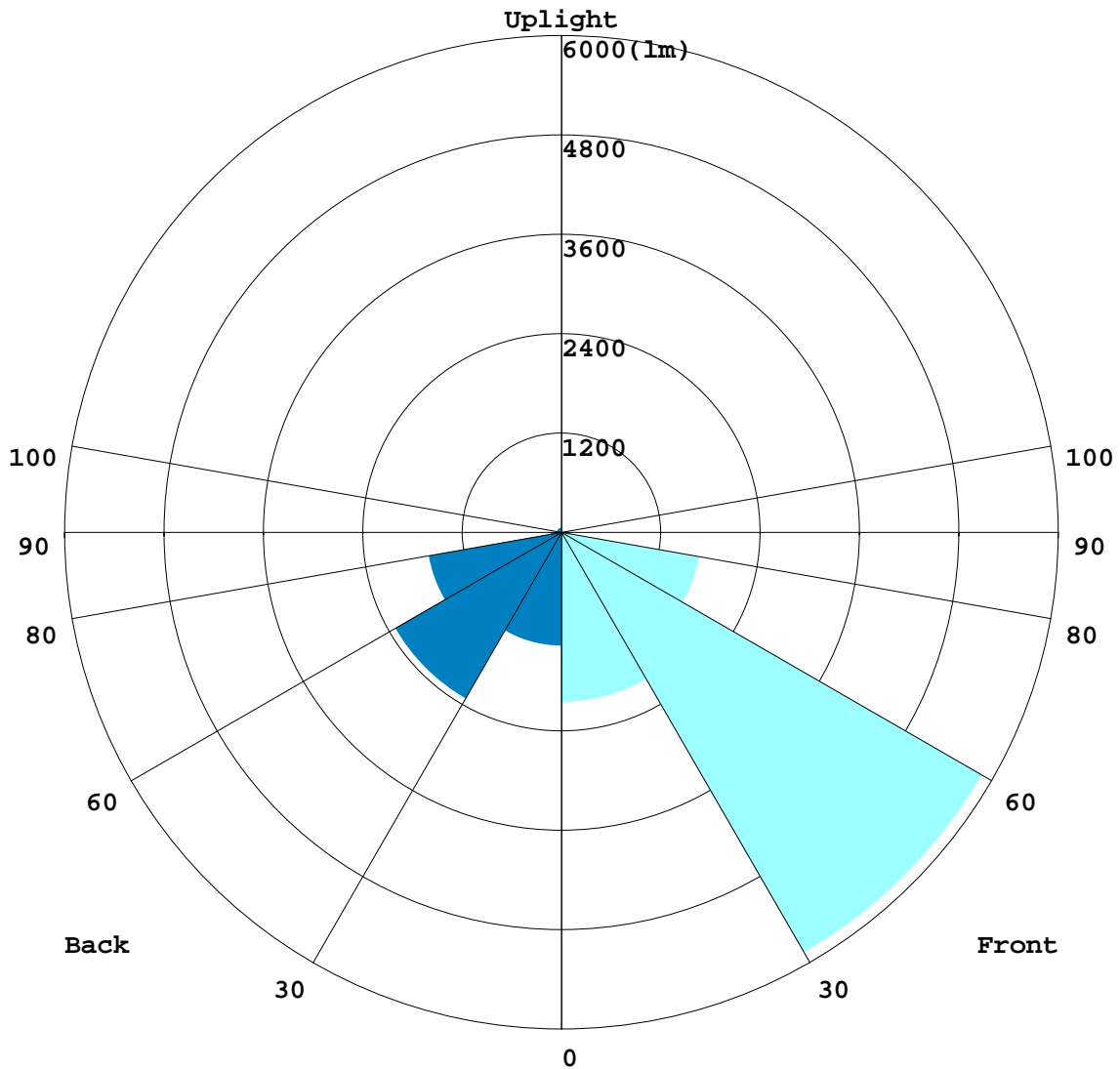
**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2024-06-07**

**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:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*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:2024-06-07**

**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:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*0.25	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2049.1	13.5
FM - Front-Medium(30-60)	5859.8	38.5
FH - Front-High(60-80)	1689.4	11.1
FVH - Front-Very High(80-90)	67.667	0.4
Total Forward Light	9703	63.8

BL - Back-Low(0-30)	1370.5	9.0
BM - Back-Medium(30-60)	2318.3	15.2
BH - Back-High(60-80)	1626.6	10.7
BVH - Back-Very High(80-90)	130.86	0.9
Total Back Light	5509.2	36.2

UL - Uplight-Low(90-100)	17.675	0.1
UH - Uplight-High(100-180)	82.383	0.5
Total Up Light	100.06	0.7

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5446.2	63.067	5509.2
Street Side	9666	36.991	9703

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2024-06-07**

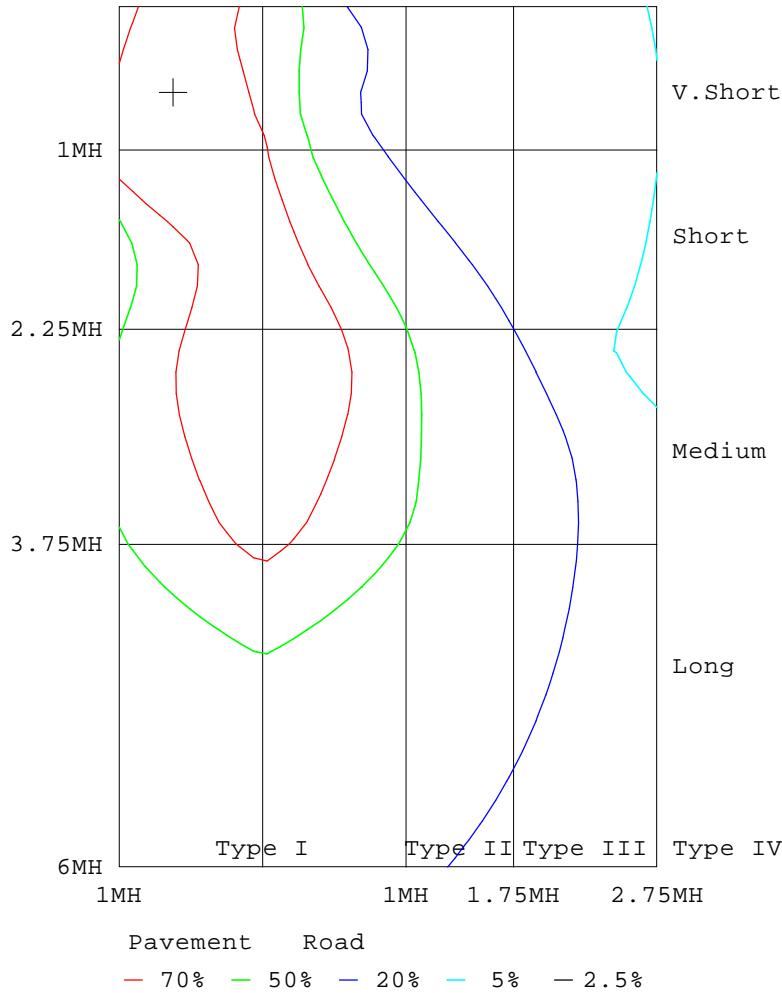
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.400**  
**Humidity:65.0%**  
**Test Distance:3.830m [K=1.0000]**  
**Remarks:**



**ROAD ISOCANDELA REPORT**

Test:U:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*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:2024-06-07**

**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:33.704V I:2.4000A P:80.890W PF:1.0000 Freq:50.00Hz Lamp Flux:15972.6x1 lm		
NAME: LKH-80W-12合1-3030	TYPE:LED LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.48*0.25	Shielding Angle:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	4037	4037	4037	4037	4037	4037	4037	4037											
5	4032	4167	4244	4155	4020	3887	3829	3887											
10	4060	4350	4512	4294	3995	3713	3577	3731											
15	4105	4636	4868	4519	3980	3508	3236	3547											
20	4219	5037	5198	4845	3987	3252	2709	3314											
25	4333	5548	5508	5269	4062	2934	1955	3017											
30	4538	6114	5600	5781	4136	2529	1328	2611											
35	4840	6647	5343	6308	4275	2041	1034	2104											
40	5380	6796	4652	6475	4463	1527	867	1569											
45	5476	6635	3520	6310	4687	1144	781	1150											
50	5808	6350	2087	6003	4868	911	684	930											
55	6245	5497	772	5336	5143	794	623	811											
60	6800	2953	345	2906	5491	700	559	713											
65	7227	816	286	765	6067	598	439	596											
70	6213	257	283	276	6188	440	301	430											
75	3236	199	195	216	4845	278	195	270											
80	1037	120	110	130	2022	171	142	165											
85	166	68.9	61.9	73.3	536	90.0	82.8	87.9											
90	21.0	27.6	24.5	27.3	41.4	41.6	36.4	40.4											
95	15.3	9.61	11.4	9.46	24.5	17.3	8.21	16.1											
100	12.2	5.42	5.27	5.56	18.5	16.2	10.1	15.7											
105	13.1	6.21	3.10	6.50	18.2	17.9	12.3	17.4											
110	13.4	7.05	3.55	7.45	18.8	18.9	14.6	18.5											
115	13.8	8.04	4.15	8.49	18.9	19.7	16.8	19.7											
120	14.4	9.10	4.93	9.50	19.1	20.4	18.7	20.9											
125	15.1	10.2	5.90	10.4	19.5	20.7	20.2	21.9											
130	16.0	11.3	7.04	11.2	20.1	20.4	21.3	22.5											
135	17.1	12.4	8.29	12.1	20.9	19.9	22.2	23.0											
140	18.6	13.5	9.62	13.2	22.0	20.0	22.7	23.3											
145	20.1	14.5	11.0	14.2	23.1	20.7	22.9	23.4											
150	21.3	15.6	12.5	15.3	23.9	21.7	22.9	23.5											
155	22.0	16.5	14.1	16.3	24.2	22.6	23.2	23.6											
160	22.5	17.5	15.6	17.4	24.1	23.2	23.7	23.7											
165	22.8	18.5	17.2	18.6	24.0	23.3	24.1	23.6											
170	23.1	19.6	18.8	19.8	23.9	23.1	24.1	23.6											
175	23.2	20.5	19.9	20.5	23.8	22.5	23.1	23.1											
180	23.3	21.5	20.9	21.3	23.4	21.5	21.0	21.4											

**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2024-06-07**

**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:**