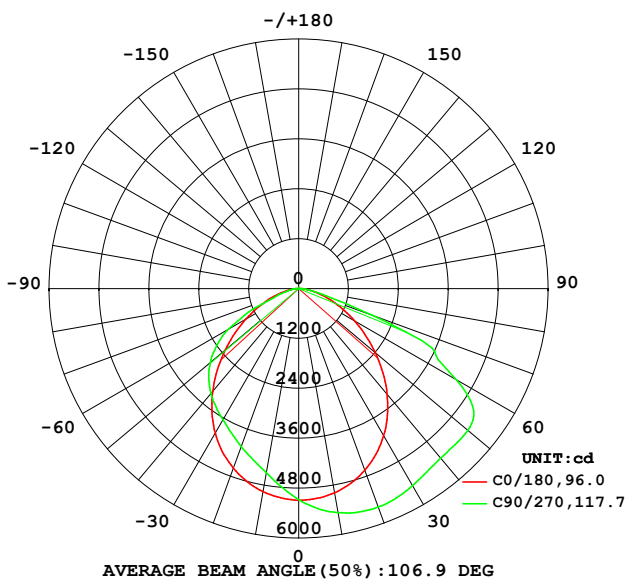
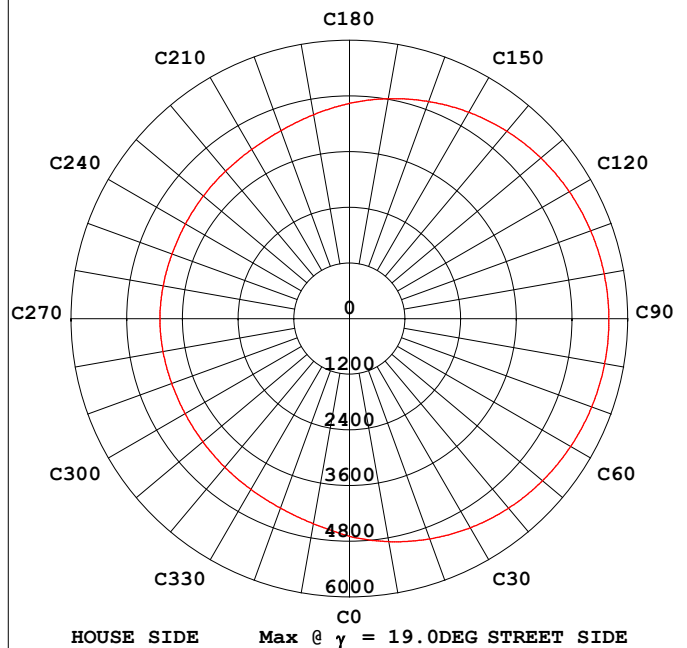


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.37 lm/W			
RENO-CWP-MW-DV-MCCT-ABA-G2-R2		Imax (cd)	5592	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	61.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	15226	η house_up (%)	0.0
NOMINAL FLUX (lm)	15226.1	MAXIMUM @ (C, γ)	90, 19.0	η house_down (%)	38.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	

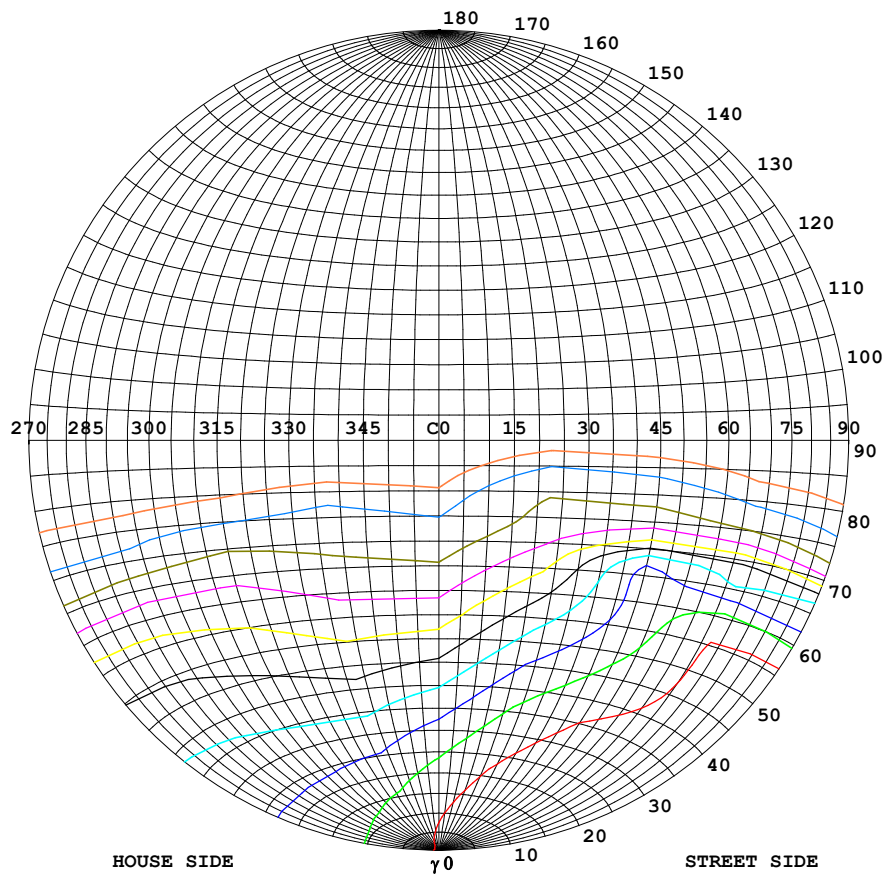
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 2026-07-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.740m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:



Classification:

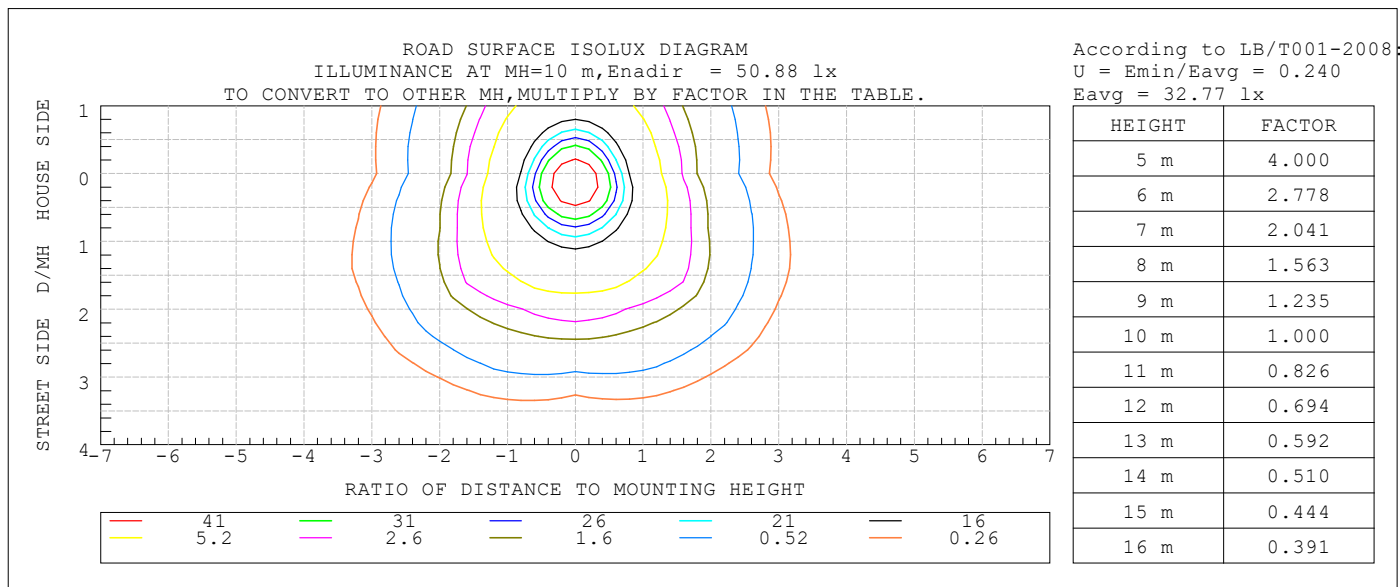
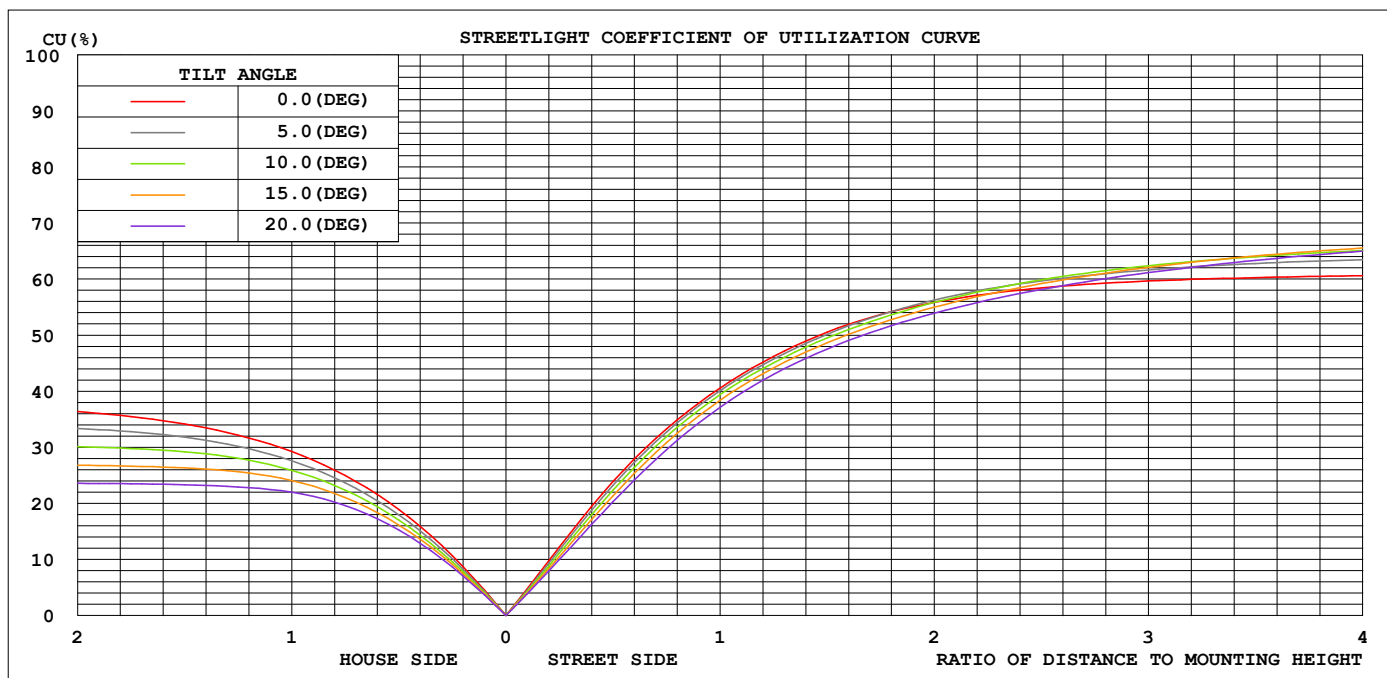
IES:Type III - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:67.50cd/klm
Max.At90:0cd/klm
Max.80-90:67.50cd/klm
NRB 5101:Limited[8.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5592
90%	5032
80%	4473
70%	3914
60%	3355
50%	2796
40%	2237
30%	1677
20%	1118
10%	559
5%	280

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.740m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 2026-07-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.740m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

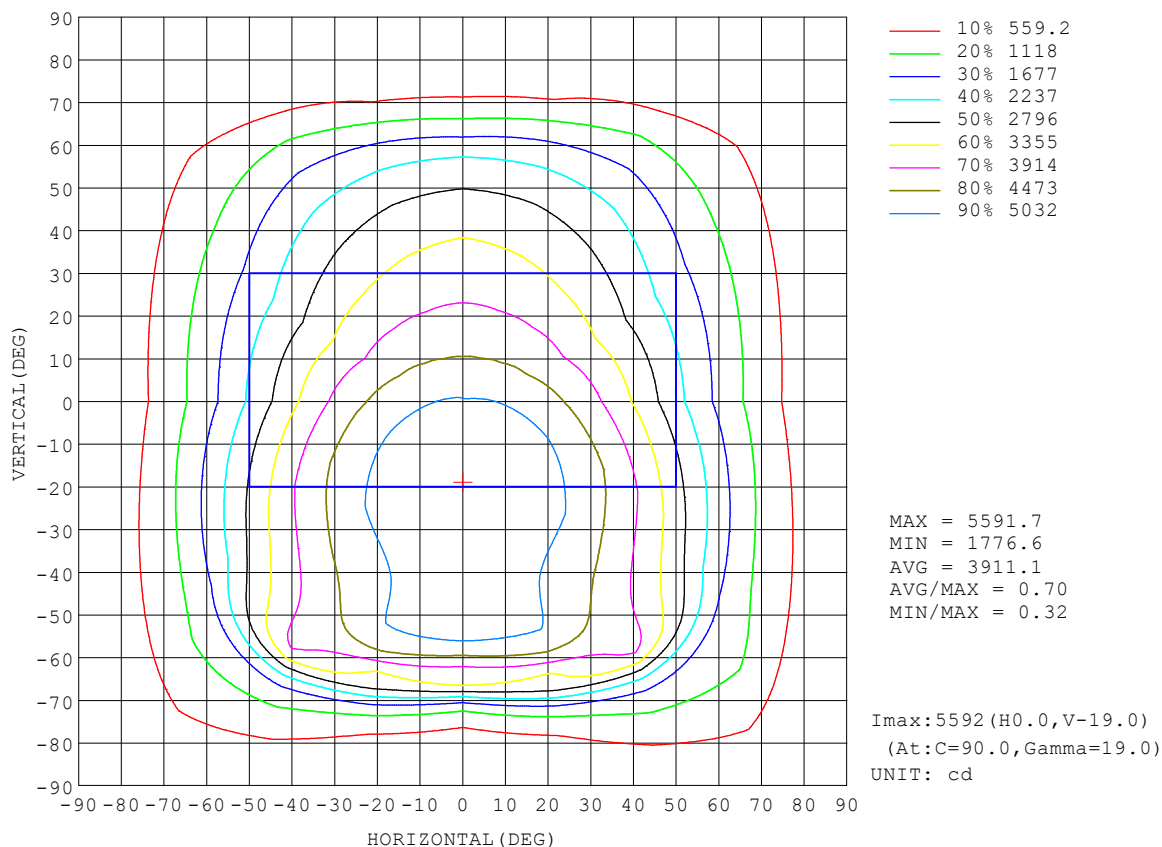
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4986	5350	5469	5312	4957	4609	4499	4615	0- 10	479.4	479.4	3.15,3.15
20	4651	5380	5590	5328	4595	4081	4047	4103	10- 20	1372	1852	12.2,12.2
30	4088	5201	5472	5140	4015	3555	3644	3580	20- 30	2093	3945	25.9,25.9
40	3314	4830	5320	4757	3215	3033	3288	3066	30- 40	2571	6516	42.8,42.8
50	2415	4363	5309	4275	2313	2489	2780	2534	40- 50	2785	9300	61.1,61.1
60	1551	4111	4366	4044	1459	1844	1949	1901	50- 60	2713	12013	78.9,78.9
70	830.2	2846	1903	2615	763.1	971.1	633.7	1063	60- 70	2099	14112	92.7,92.7
80	303.3	874.8	320.5	770.0	256.4	209.4	198.0	252.0	70- 80	886.5	14999	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	227.1	15226	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15226	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15226	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15226	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15226	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15226	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15226	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15226	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15226	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15226	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.740m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

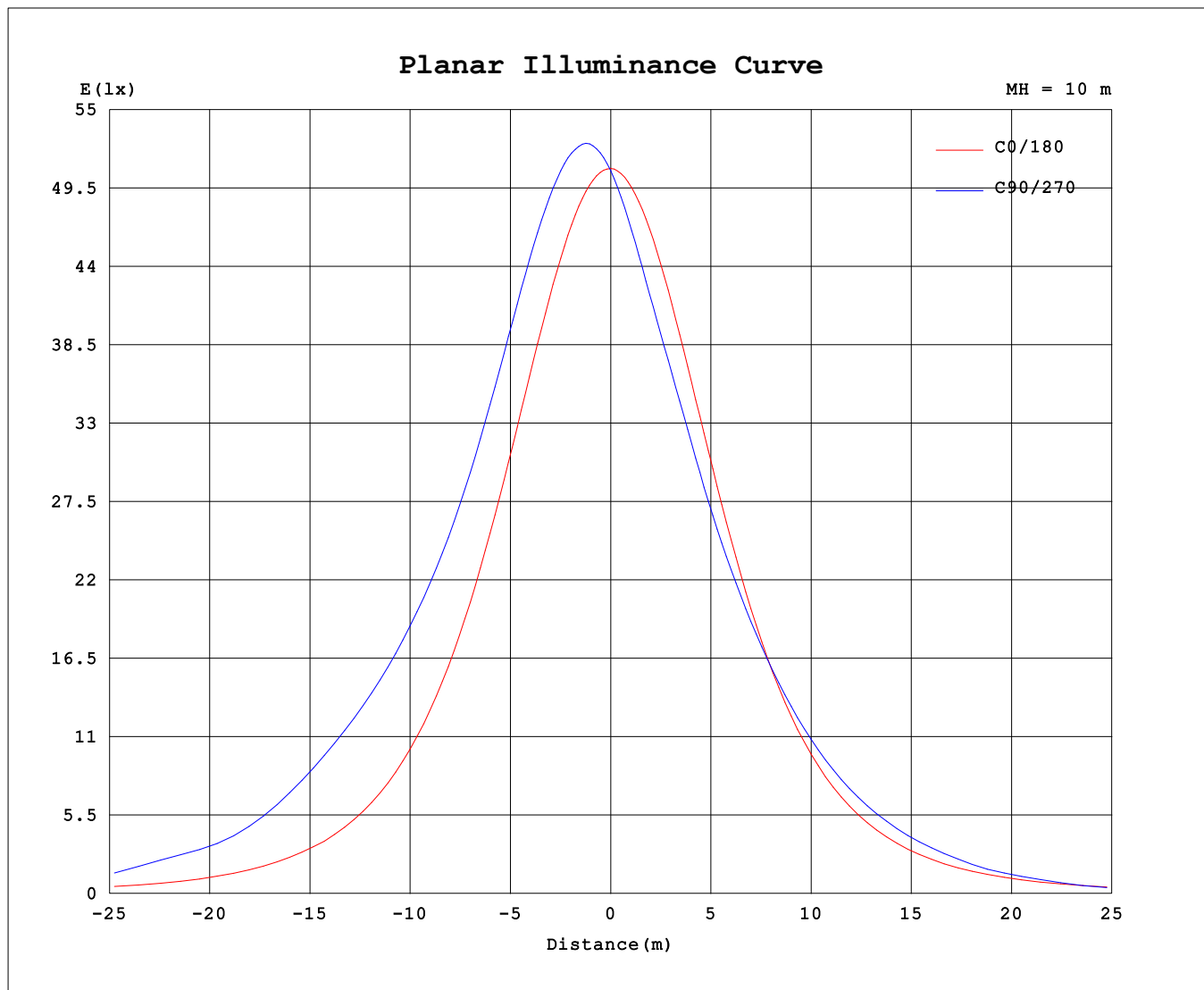
Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2026-07-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.740m [K=1.0000]
Remarks:

Planar Illuminance Curve



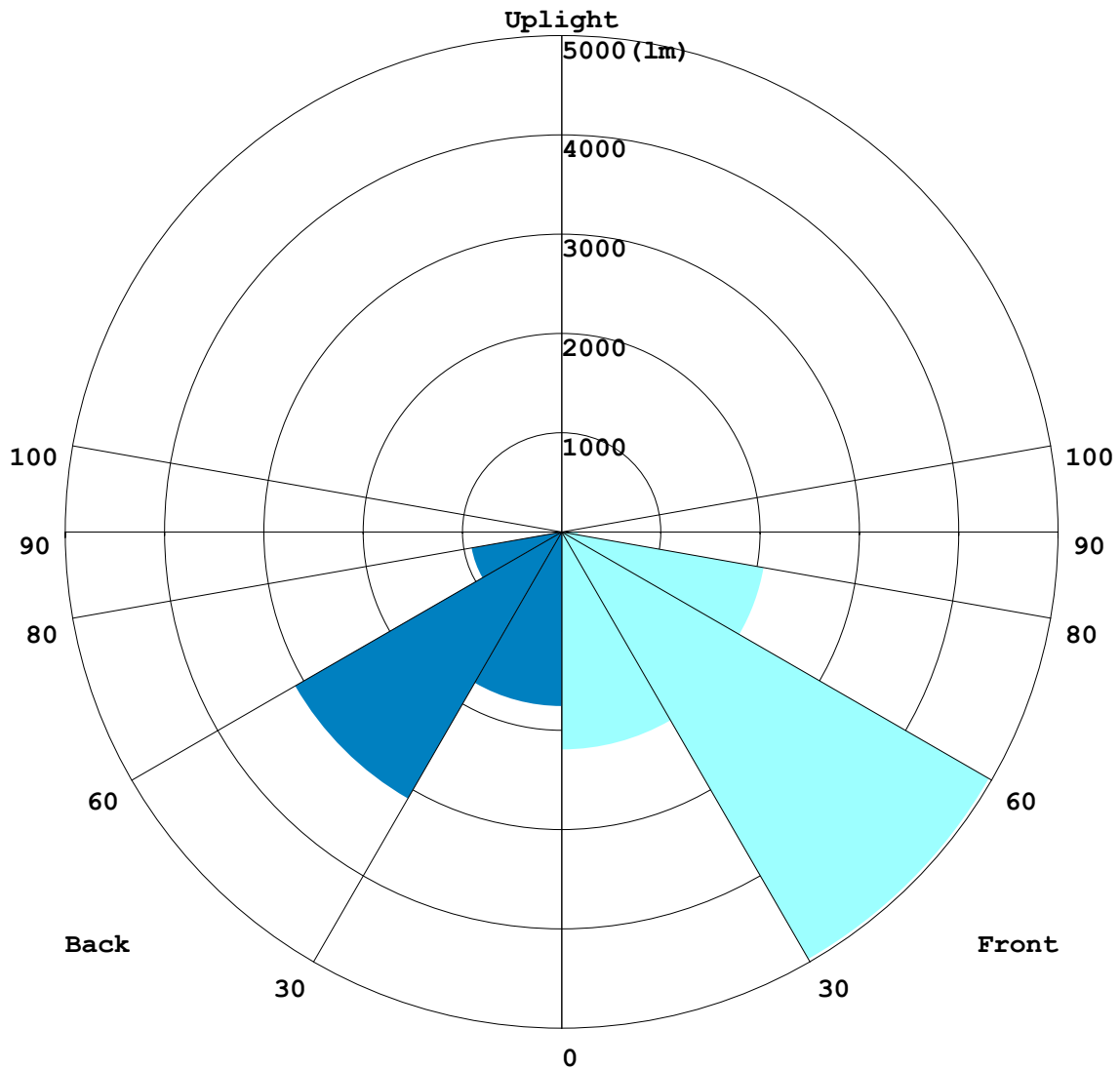
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2026-07-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.740m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2026-07-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.740m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2191.4	14.4
FM - Front-Medium(30-60)	4968.4	32.6
FH - Front-High(60-80)	2066.1	13.6
FVH - Front-Very High(80-90)	166.43	1.1
Total Forward Light	9392.4	61.7

BL - Back-Low(0-30)	1753.5	11.5
BM - Back-Medium(30-60)	3099.6	20.4
BH - Back-High(60-80)	919.82	6.0
BVH - Back-Very High(80-90)	60.714	0.4
Total Back Light	5833.7	38.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5833.7	0	5833.7
Street Side	9392.4	0	9392.4

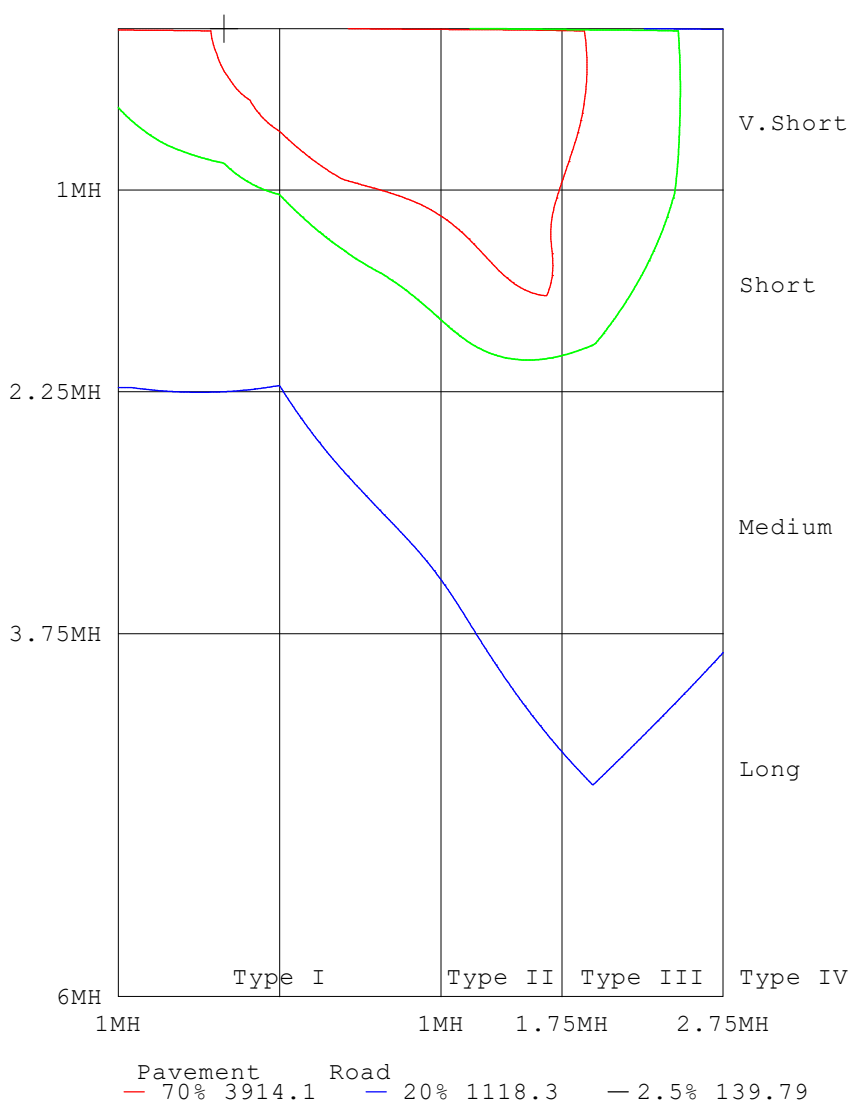
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.740m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.740m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.36V I:0.9805A P:117.69W PF:1.0235 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15226.1x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	5088	5084	5084	5074	5072	5063	5064	5062	5088	5084	5084	5074	5072	5063	5064	5062			
5	5064	5164	5248	5293	5307	5276	5219	5128	5049	4947	4864	4802	4787	4800	4859	4939			
10	4986	5189	5350	5445	5469	5424	5312	5140	4957	4756	4609	4518	4499	4522	4615	4763			
15	4847	5156	5393	5527	5564	5503	5347	5095	4806	4512	4348	4254	4258	4261	4359	4535			
20	4651	5072	5380	5549	5590	5522	5328	5001	4595	4225	4081	4030	4047	4037	4103	4261			
25	4398	4938	5317	5507	5556	5480	5257	4855	4341	3907	3824	3804	3833	3813	3847	3955			
30	4088	4756	5201	5418	5472	5388	5140	4659	4015	3579	3555	3591	3644	3604	3580	3630			
35	3723	4526	5039	5293	5380	5263	4969	4419	3637	3234	3290	3395	3472	3411	3321	3290			
40	3314	4263	4830	5178	5320	5144	4757	4137	3215	2880	3033	3197	3288	3213	3066	2940			
45	2872	3933	4596	5110	5313	5071	4513	3793	2767	2528	2770	2966	3061	2985	2811	2590			
50	2415	3554	4363	5092	5309	5053	4275	3401	2313	2181	2489	2690	2780	2711	2534	2245			
55	1955	3130	4181	5052	5137	5015	4090	2965	1873	1852	2181	2352	2422	2380	2230	1913			
60	1551	2664	4111	4623	4366	4557	4044	2489	1459	1519	1844	1938	1949	1976	1901	1585			
65	1166	2162	4122	3428	3618	3347	4036	1976	1087	1203	1464	1351	1318	1396	1530	1267			
70	830	1652	2846	2567	1903	2435	2615	1466	763	907	971	671	634	718	1063	968			
75	544	1296	1474	1123	700	1072	1341	1136	487	624	456	381	373	405	530	684			
80	303	1028	875	482	321	461	770	827	256	320	209	192	198	205	252	396			
85	116	549	413	197	141	182	341	400	83.2	95.0	85.3	101	107	109	102	139			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.740m [K=1.0000]
Remarks: