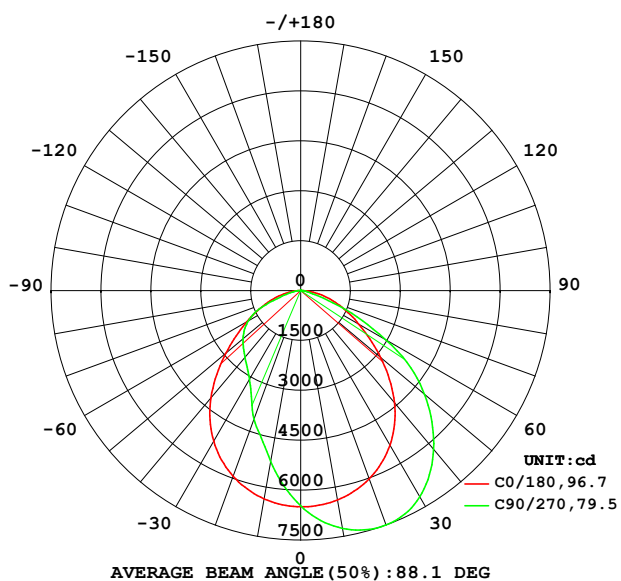
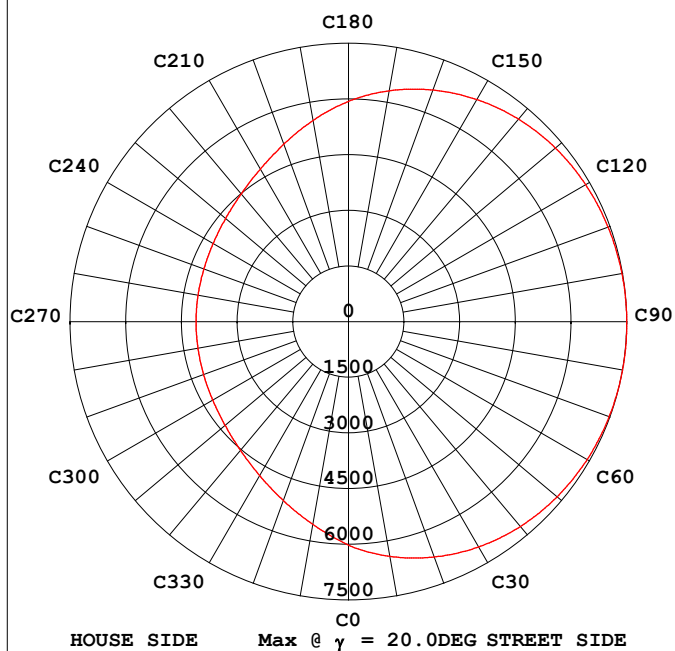


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.07 lm/W			
RENO-CWP-MW-DV-MCCT-ABA-G2-R2		Imax (cd)	7500	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	64.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	16577	η house_up (%)	0.0
NOMINAL FLUX (lm)	16576.9	MAXIMUM @ (C, γ)	90, 20.0	η house_down (%)	35.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	

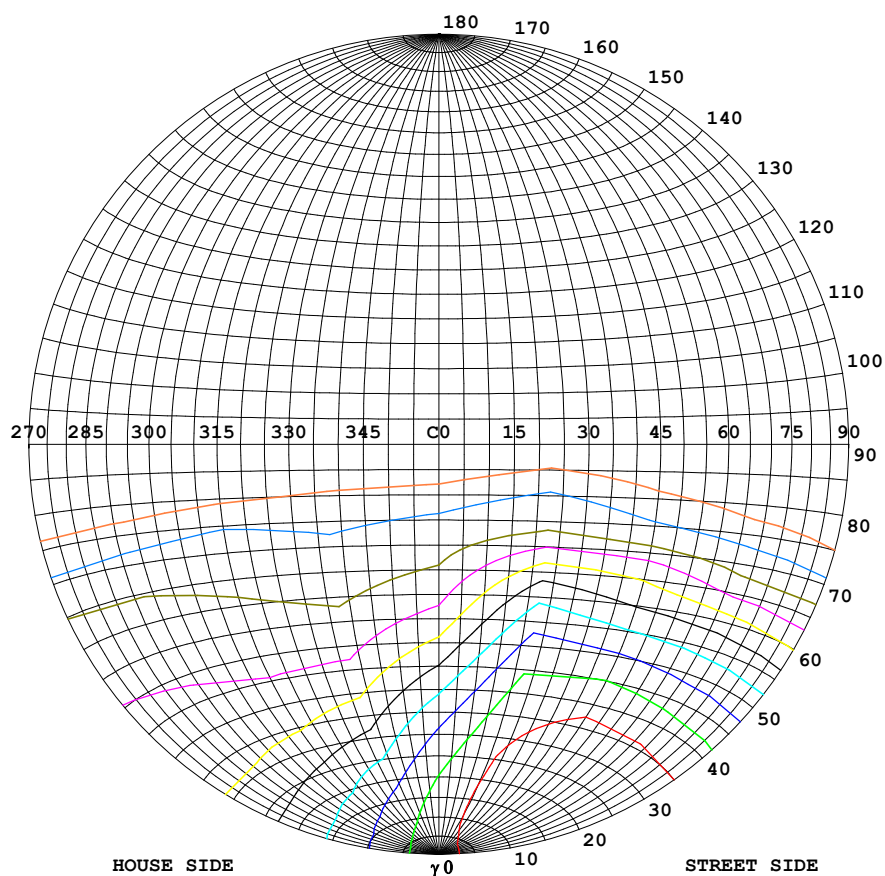
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:



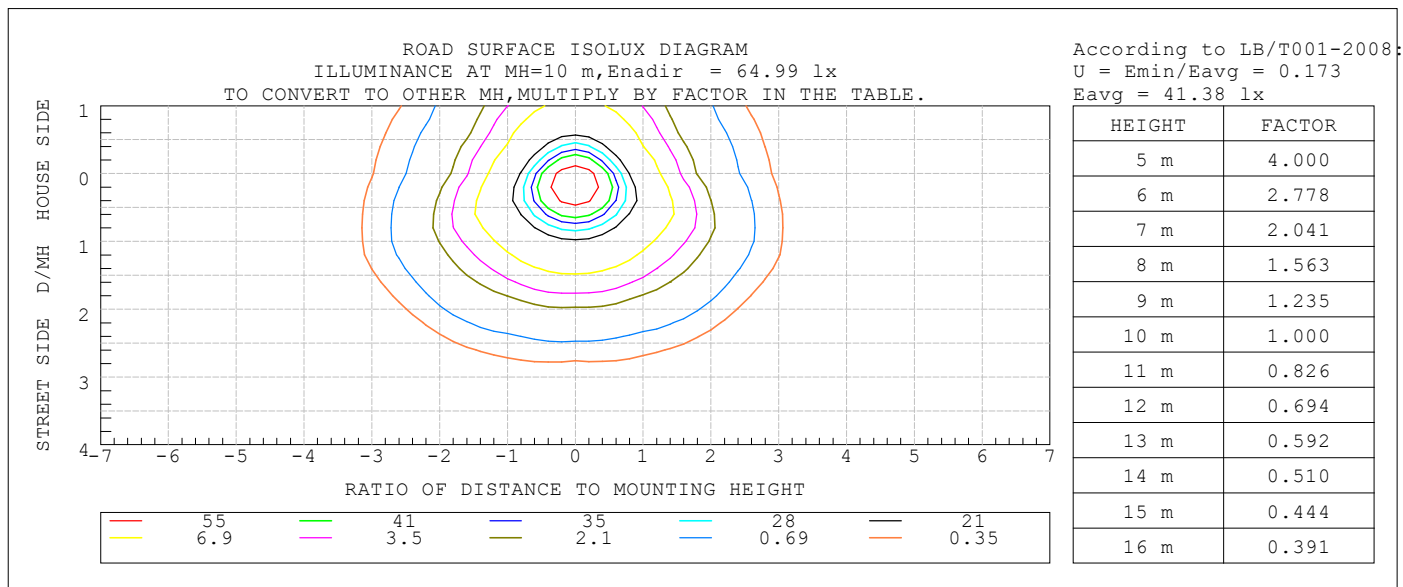
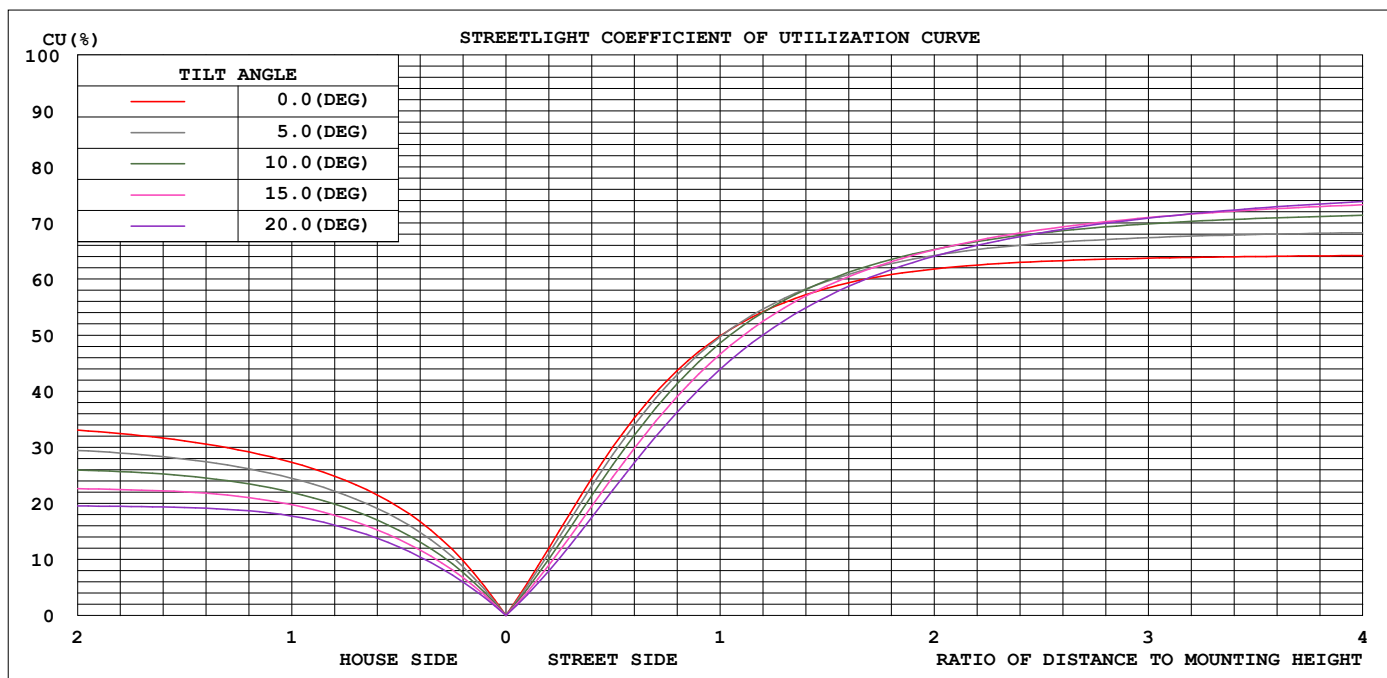
Classification:

IES:Type II - Very Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:48.89cd/klm
Max.At90:0cd/klm
Max.80-90:48.89cd/klm
NRB 5101:Limited[6.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7500
90%	6750
80%	6000
70%	5250
60%	4500
50%	3750
40%	3000
30%	2250
20%	1500
10%	750
5%	375

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:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:

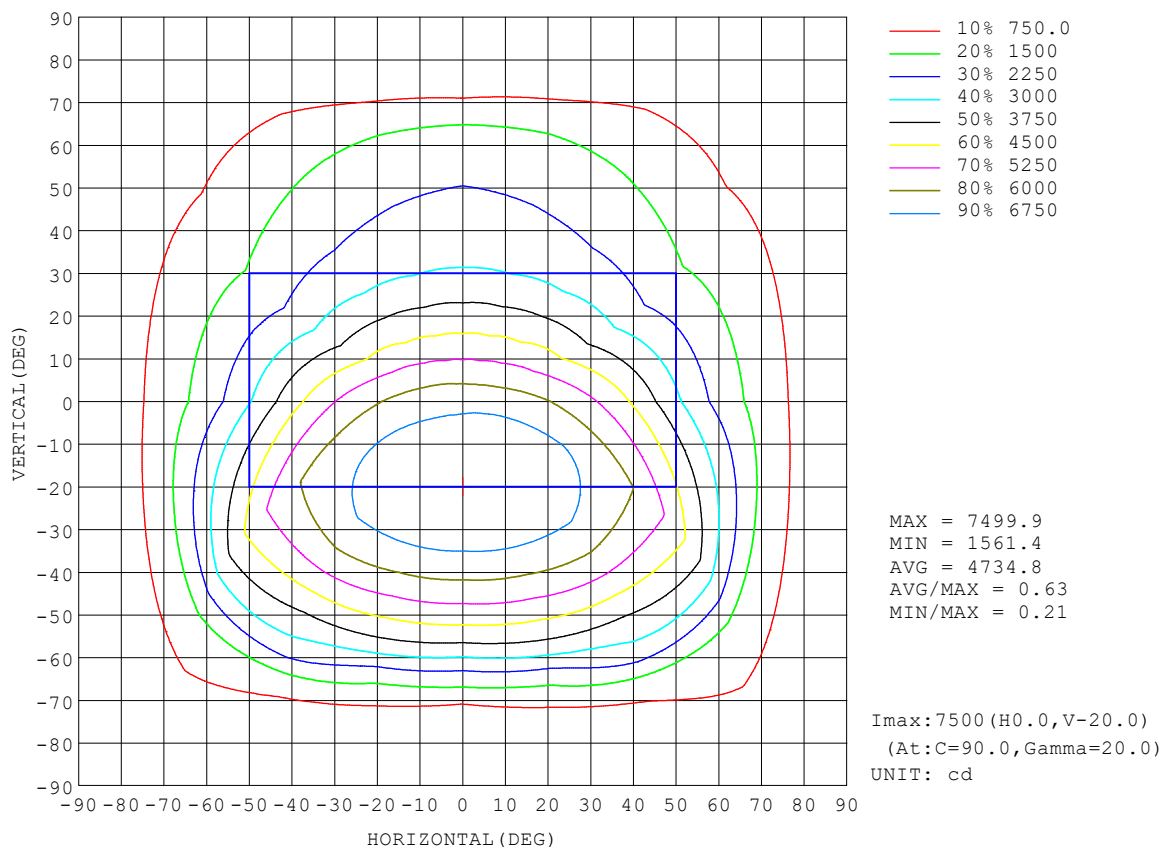
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6389	7065	7255	7004	6358	5548	5212	5539	0- 10	609.1	609.1	3.67,3.67
20	6024	7280	7500	7211	5938	4406	4110	4428	10- 20	1718	2327	14,14
30	5367	7142	7160	7069	5230	3365	3084	3419	20- 30	2560	4887	29.5,29.5
40	4384	6528	6218	6438	4198	2541	2612	2577	30- 40	3034	7921	47.8,47.8
50	3144	5341	4865	5207	2940	2003	2267	2034	40- 50	3103	11024	66.5,66.5
60	2021	3705	2964	3558	1866	1538	1818	1573	50- 60	2733	13757	83,83
70	1182	1856	882.9	1678	1064	1018	877.5	1068	60- 70	1876	15634	94.3,94.3
80	510.0	451.8	187.8	400.0	413.3	264.7	202.4	321.3	70- 80	760.1	16394	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	183.2	16577	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16577	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16577	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16577	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16577	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16577	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16577	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16577	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16577	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16577	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

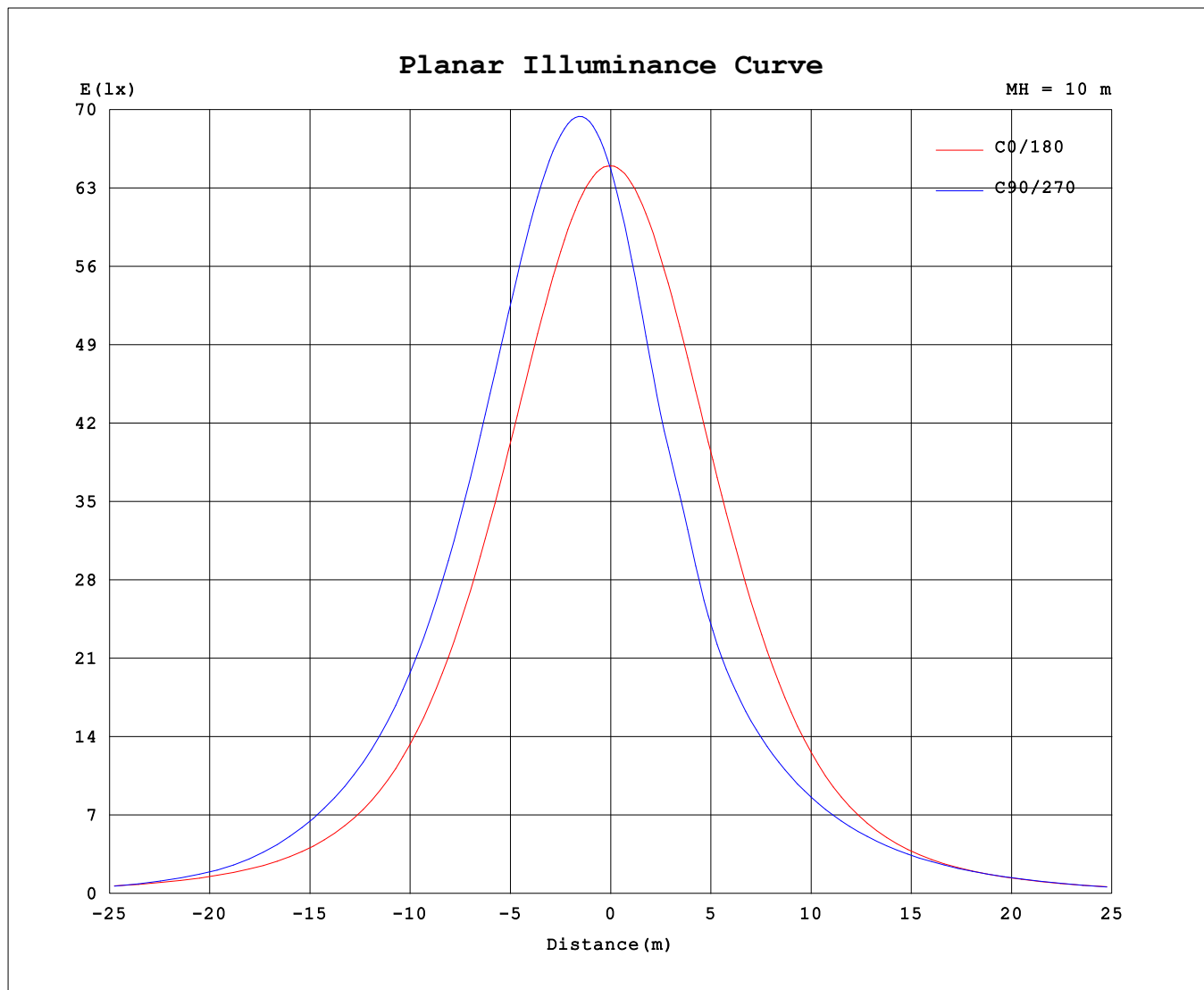
Test:U:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
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



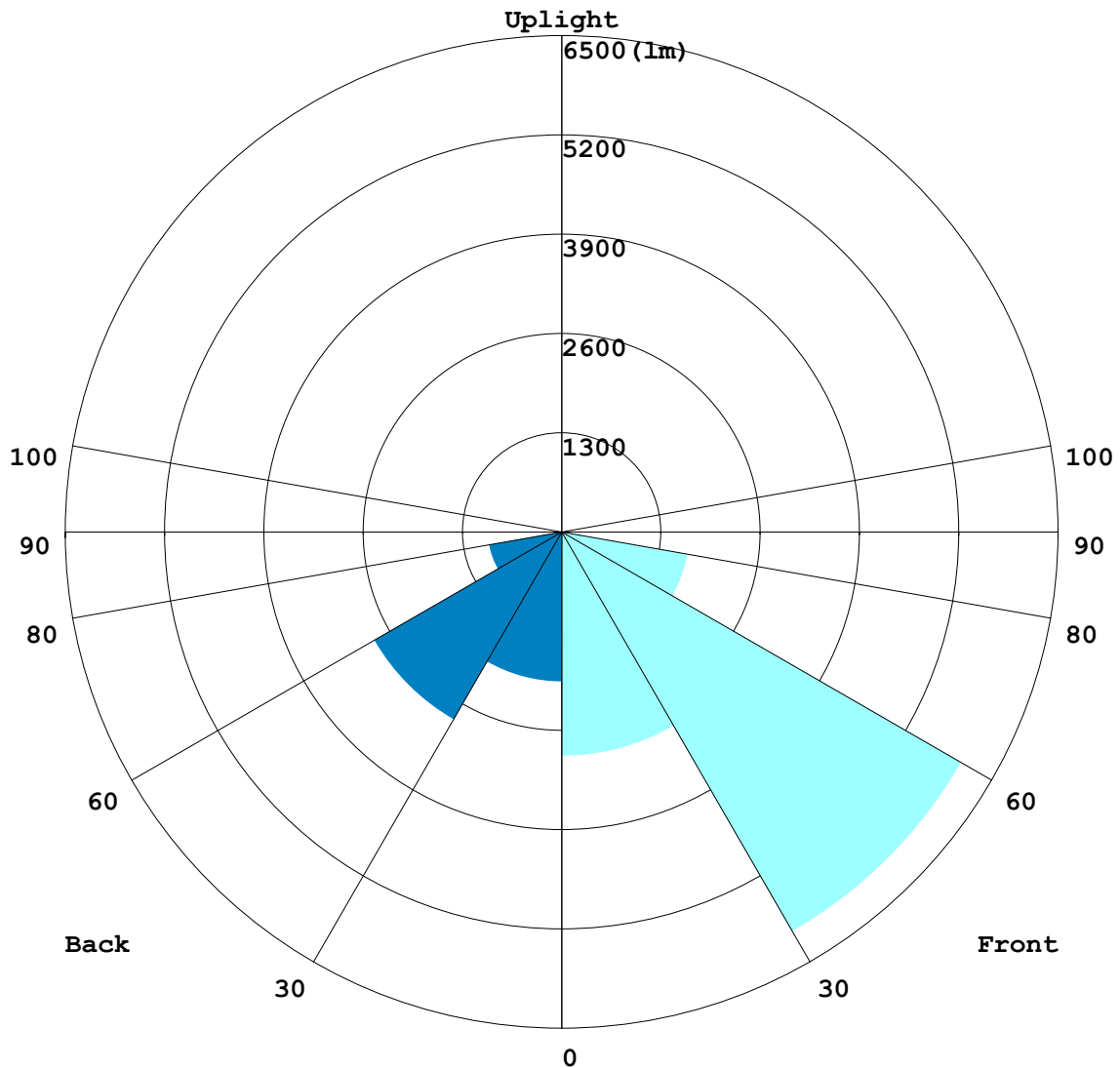
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2026-07-02

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:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	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:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	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)	2930.5	17.7
FM - Front-Medium(30-60)	6037.8	36.4
FH - Front-High(60-80)	1671.1	10.1
FVH - Front-Very High(80-90)	113.46	0.7
Total Forward Light	10753	64.9

BL - Back-Low(0-30)	1956.4	11.8
BM - Back-Medium(30-60)	2832.8	17.1
BH - Back-High(60-80)	965.23	5.8
BVH - Back-Very High(80-90)	69.706	0.4
Total Back Light	5824.1	35.1

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	5824.1	0	5824.1
Street Side	10753	0	10753

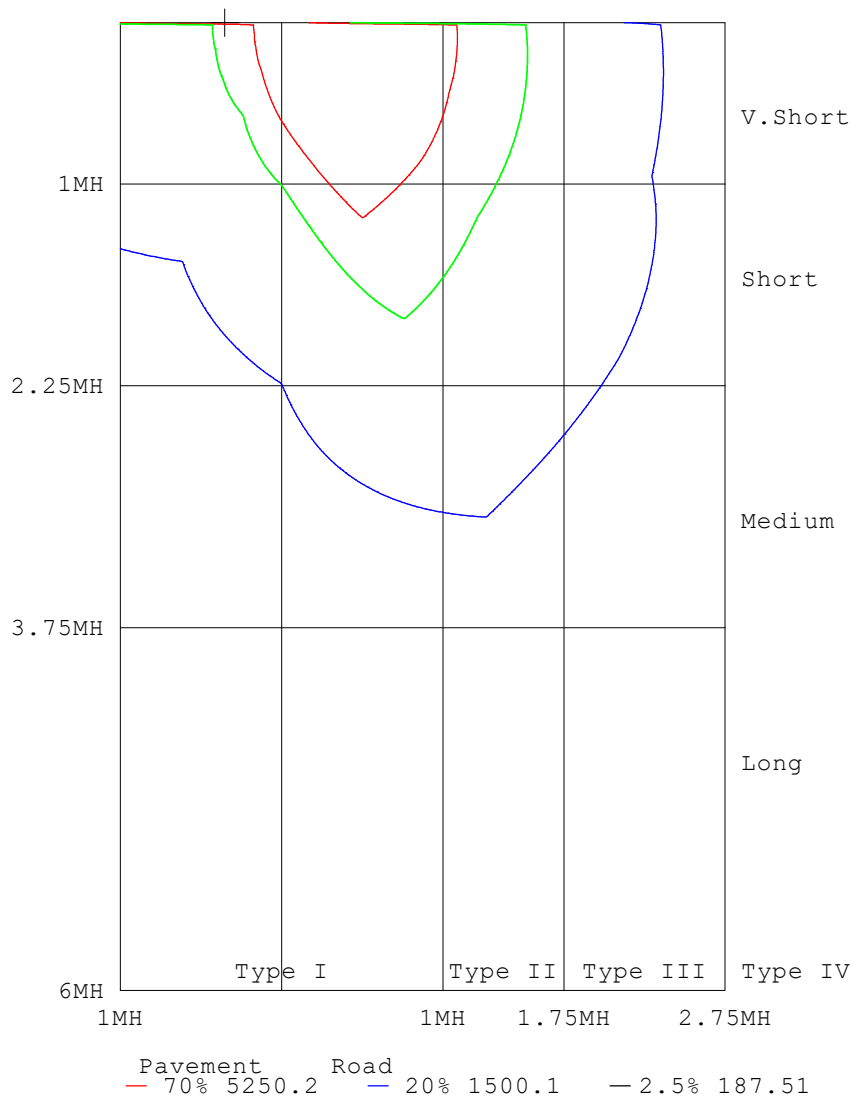
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

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:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	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:120.31V I:0.9863A P:118.34W PF:1.0229 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16576.9x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	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	6499	6494	6490	6474	6468	6454	6452	6445	6499	6494	6490	6474	6468	6454	6452	6445			
5	6474	6669	6824	6907	6932	6878	6771	6602	6462	6248	6067	5927	5883	5915	6041	6214			
10	6389	6780	7065	7216	7255	7181	7004	6696	6358	5918	5548	5289	5212	5284	5539	5910			
15	6240	6831	7214	7398	7443	7366	7148	6732	6180	5500	4956	4656	4585	4659	4969	5515			
20	6024	6820	7280	7467	7500	7433	7211	6714	5938	4999	4406	4163	4110	4171	4428	5042			
25	5733	6762	7261	7405	7410	7371	7192	6646	5624	4433	3916	3589	3519	3611	3951	4504			
30	5367	6650	7142	7199	7160	7156	7069	6526	5230	3878	3365	3105	3084	3125	3419	3954			
35	4919	6488	6907	6843	6755	6794	6822	6356	4751	3336	2896	2785	2810	2799	2941	3424			
40	4384	6251	6528	6337	6218	6280	6438	6107	4198	2806	2541	2558	2612	2565	2577	2901			
45	3778	5937	6010	5719	5578	5652	5899	5780	3570	2355	2255	2358	2436	2368	2286	2433			
50	3144	5519	5341	5011	4865	4937	5207	5357	2940	1962	2003	2170	2267	2183	2034	2030			
55	2547	4990	4541	4264	4047	4185	4388	4813	2367	1634	1768	1972	2067	1984	1802	1692			
60	2021	4313	3705	3339	2964	3243	3558	4118	1866	1330	1538	1743	1818	1764	1573	1383			
65	1577	3411	2967	2095	1877	2009	2828	3179	1439	1060	1300	1437	1482	1465	1336	1108			
70	1182	2242	1856	1166	883	1100	1678	2003	1064	816	1018	943	877	995	1068	860			
75	835	1241	821	547	376	520	746	1097	729	590	606	474	456	509	690	633			
80	510	810	452	260	188	247	400	667	413	359	265	210	202	224	321	415			
85	205	401	209	113	85.9	104	174	294	131	118	89.8	92.8	94.8	103	113	174			
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: