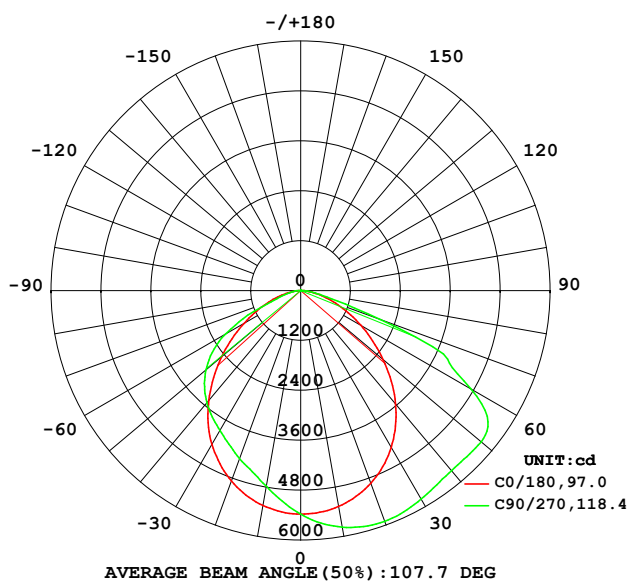
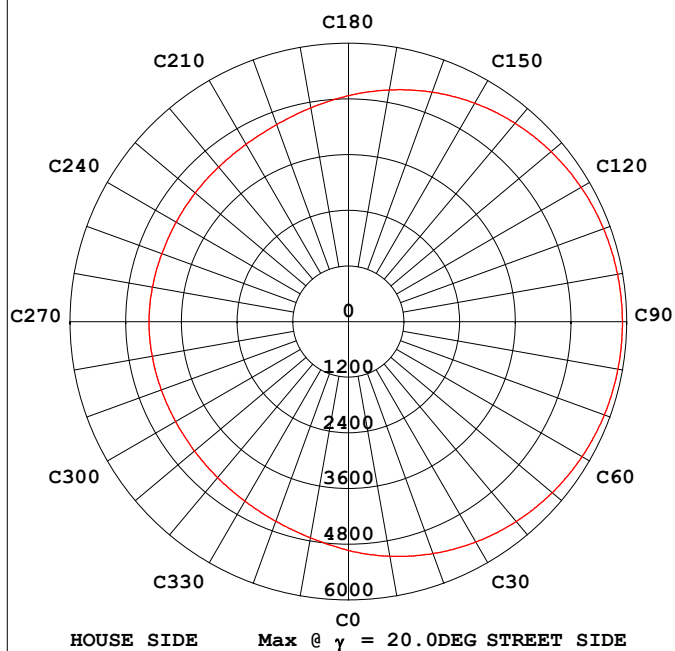


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 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: 137.94 lm/W			
RENO-CWP-MW-DV-MCCT-ABA-G2-R2		Imax (cd)	5904	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	61.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	16275	η house_up (%)	0.0
NOMINAL FLUX (lm)	16274.7	MAXIMUM @ (C, γ)	90, 20.0	η house_down (%)	38.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	

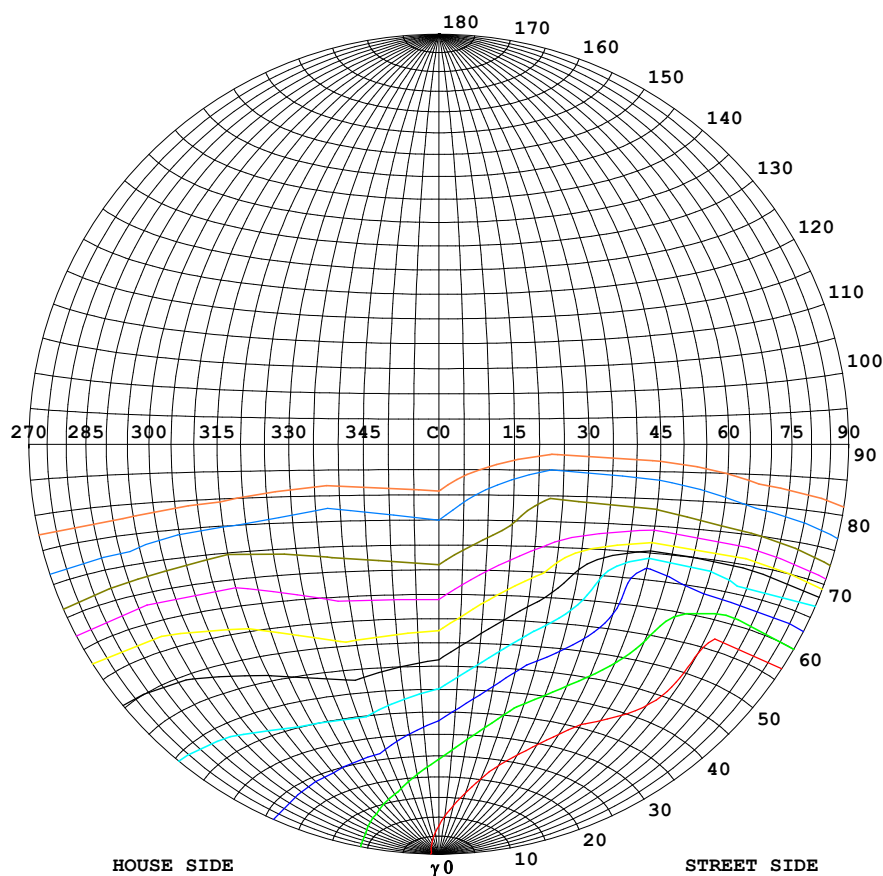
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 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:



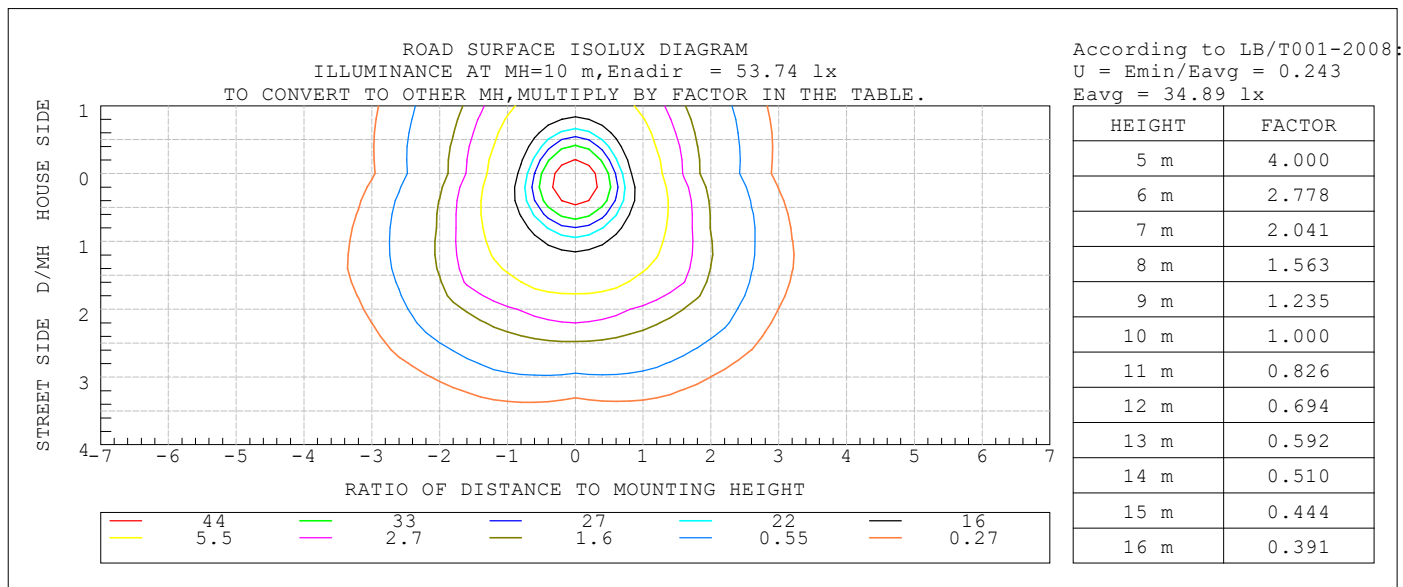
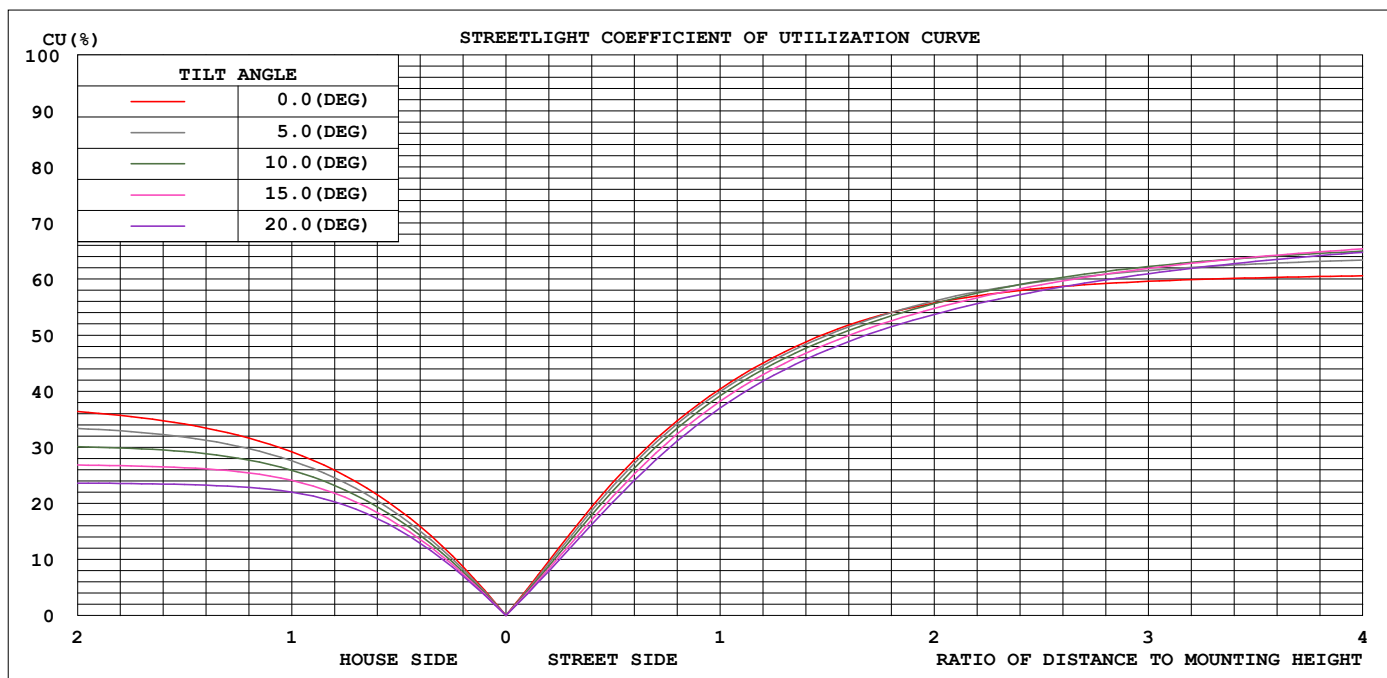
Classification:

IES:Type III - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:69.36cd/klm
Max.At90:0cd/klm
Max.80-90:69.36cd/klm
NRB 5101:Limited[8.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5904
90%	5314
80%	4723
70%	4133
60%	3542
50%	2952
40%	2362
30%	1771
20%	1181
10%	590
5%	295

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:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 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:

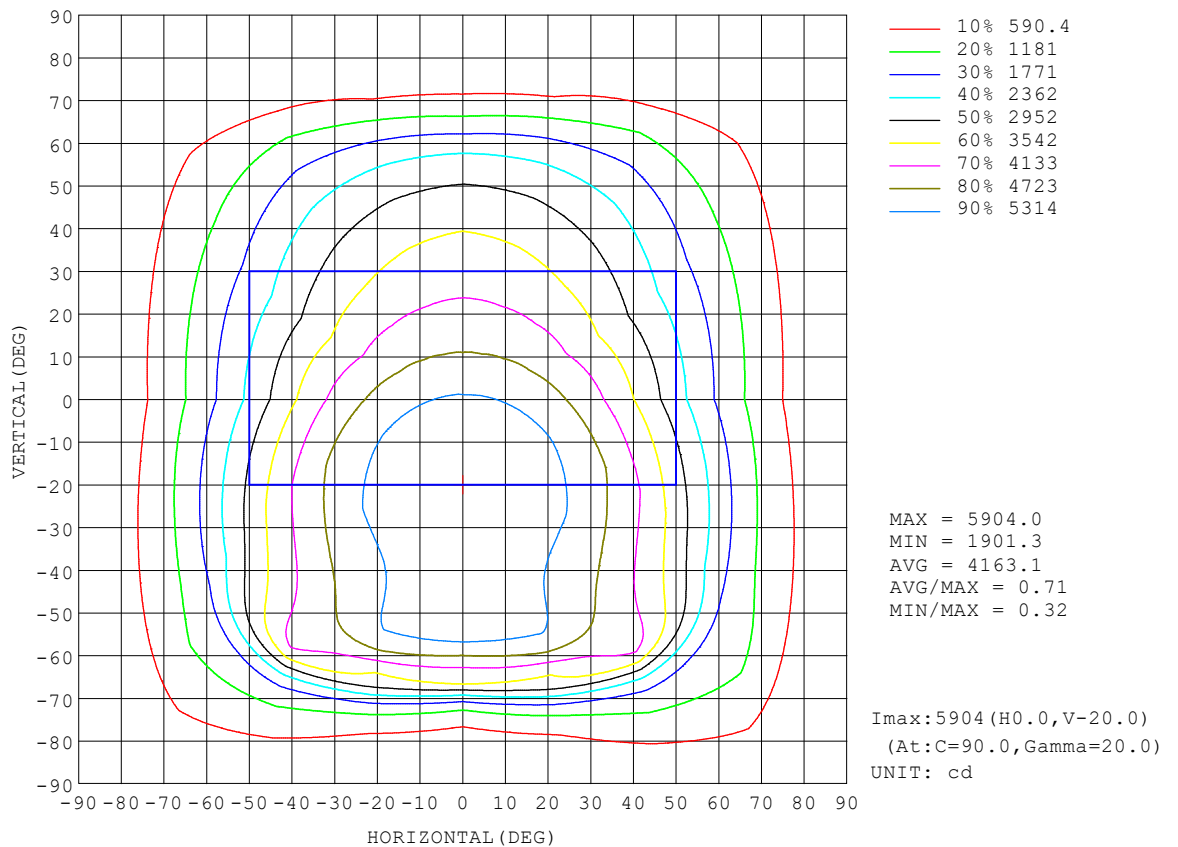
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5269	5646	5775	5624	5245	4896	4780	4909	0- 10	507.8	507.8	3.12,3.12
20	4932	5683	5904	5648	4873	4336	4302	4361	10- 20	1454	1962	12.1,12.1
30	4357	5506	5790	5454	4276	3783	3885	3822	20- 30	2222	4184	25.7,25.7
40	3552	5130	5649	5063	3438	3238	3515	3287	30- 40	2737	6921	42.5,42.5
50	2600	4664	5664	4575	2484	2662	2978	2721	40- 50	2975	9895	60.8,60.8
60	1675	4415	4722	4343	1570	1970	2093	2040	50- 60	2909	12804	78.7,78.7
70	897.1	3110	2033	2862	821.2	1039	683.7	1145	60- 70	2261	15065	92.6,92.6
80	327.1	948.0	352.2	832.7	274.5	222.6	216.1	268.8	70- 80	963.8	16029	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	246.0	16275	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16275	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16275	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16275	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16275	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16275	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16275	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16275	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16275	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16275	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

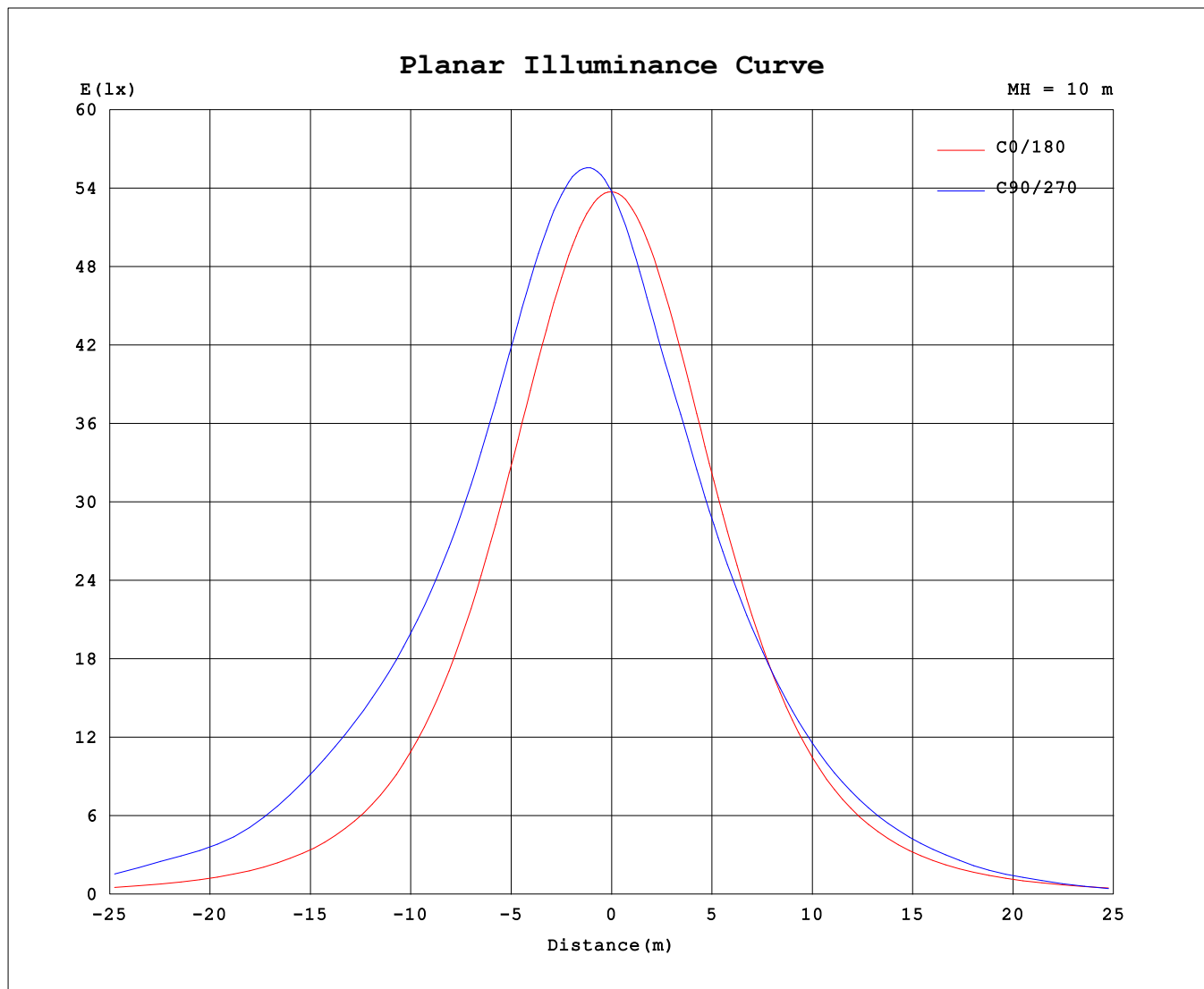
Test:U:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:



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

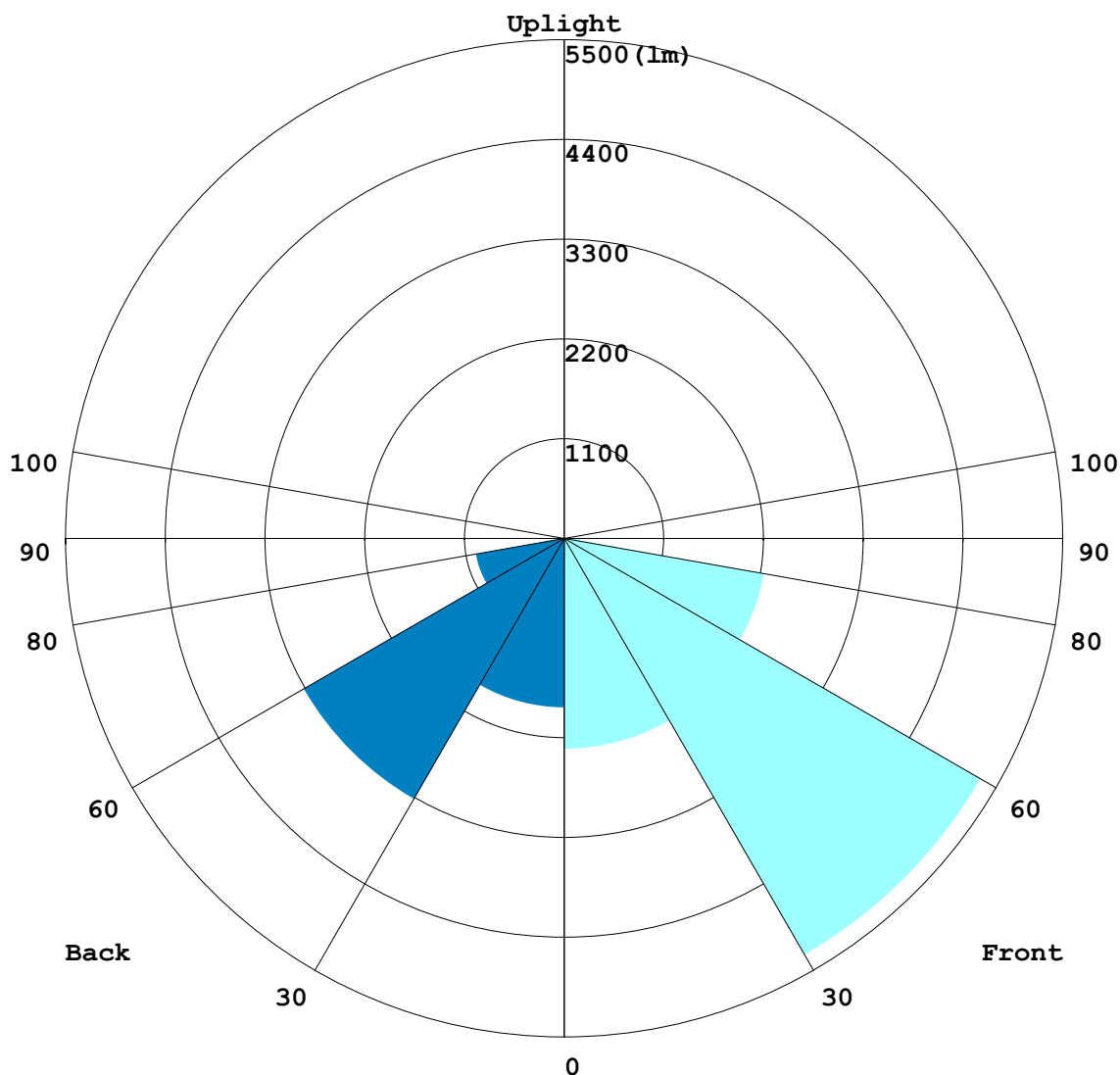


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 2026-07-02

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:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 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:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 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)	2319.5	14.3
FM - Front-Medium(30-60)	5301.5	32.6
FH - Front-High(60-80)	2237.1	13.7
FVH - Front-Very High(80-90)	180.53	1.1
Total Forward Light	10039	61.7

BL - Back-Low(0-30)	1864.5	11.5
BM - Back-Medium(30-60)	3318.5	20.4
BH - Back-High(60-80)	987.65	6.1
BVH - Back-Very High(80-90)	65.477	0.4
Total Back Light	6236.1	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	6236.1	0	6236.1
Street Side	10039	0	10039

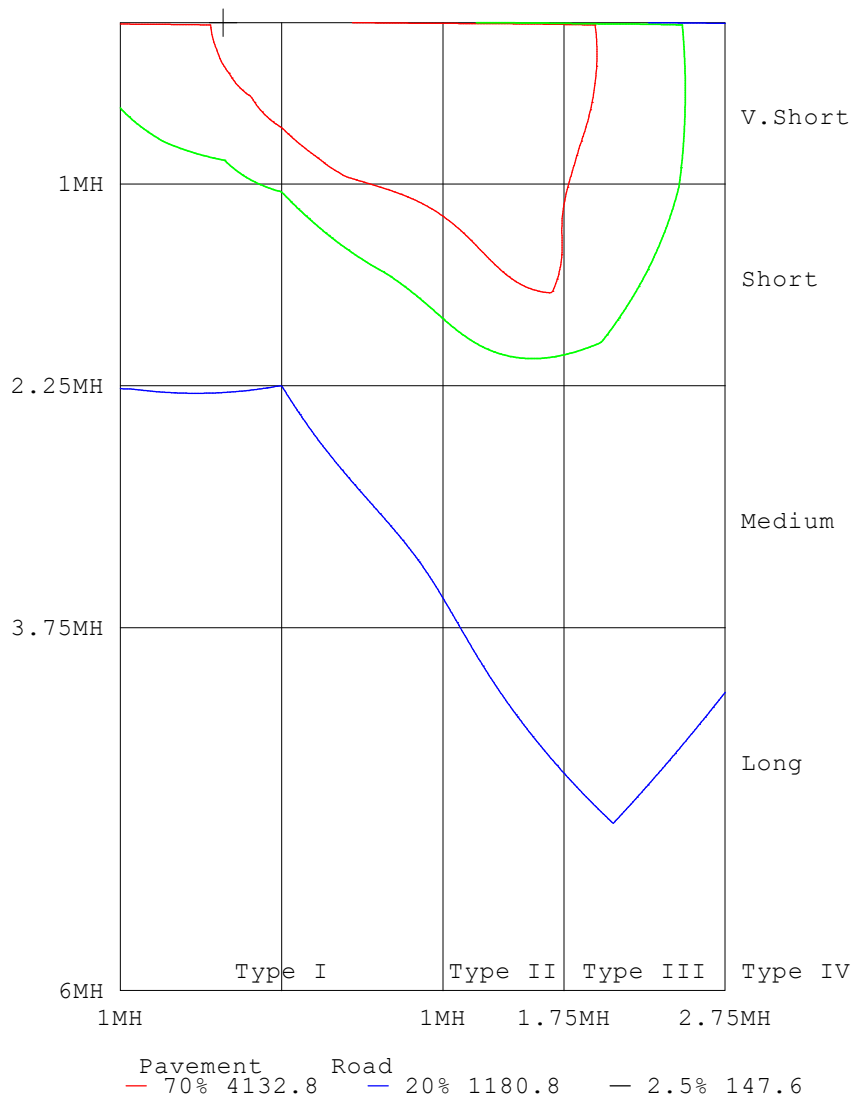
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

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:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 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:120.34V I:0.9832A P:117.98W PF:1.0234 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16274.7x1 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	5374	5377	5382	5376	5376	5369	5373	5375	5374	5377	5382	5376	5376	5369	5373	5375			
5	5351	5455	5544	5592	5610	5582	5527	5441	5338	5240	5160	5103	5088	5103	5164	5250			
10	5269	5477	5646	5746	5775	5733	5624	5451	5245	5044	4896	4803	4780	4808	4909	5068			
15	5128	5446	5692	5833	5873	5816	5662	5409	5089	4792	4601	4520	4509	4531	4630	4835			
20	4932	5364	5683	5860	5904	5841	5648	5312	4873	4491	4336	4284	4302	4296	4361	4549			
25	4675	5229	5622	5818	5871	5798	5579	5163	4597	4159	4067	4046	4080	4062	4099	4227			
30	4357	5048	5506	5729	5790	5706	5454	4963	4276	3811	3783	3824	3885	3842	3822	3885			
35	3978	4813	5340	5609	5701	5578	5283	4715	3880	3453	3506	3623	3709	3646	3550	3526			
40	3552	4526	5130	5499	5649	5463	5063	4414	3438	3078	3238	3420	3515	3440	3287	3154			
45	3084	4201	4894	5436	5649	5397	4811	4066	2965	2704	2964	3172	3274	3197	3017	2783			
50	2600	3806	4664	5420	5664	5387	4575	3654	2484	2336	2662	2877	2978	2907	2721	2416			
55	2119	3363	4482	5391	5501	5353	4392	3192	2015	1977	2332	2519	2599	2557	2395	2056			
60	1675	2872	4415	4968	4722	4887	4343	2685	1570	1629	1970	2075	2093	2121	2040	1713			
65	1261	2339	4408	3731	3902	3652	4304	2137	1169	1290	1566	1447	1414	1502	1644	1368			
70	897	1801	3110	2740	2033	2597	2862	1597	821	971	1039	721	684	776	1145	1044			
75	587	1433	1608	1231	779	1177	1463	1248	522	666	485	409	403	436	569	737			
80	327	1129	948	533	352	511	833	904	274	340	223	209	216	220	269	425			
85	125	591	444	216	153	200	368	431	88.7	101	92.0	110	117	119	111	150			
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: