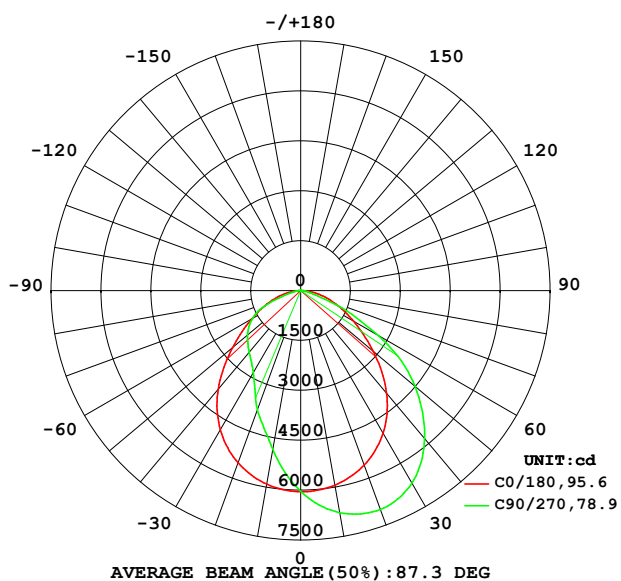
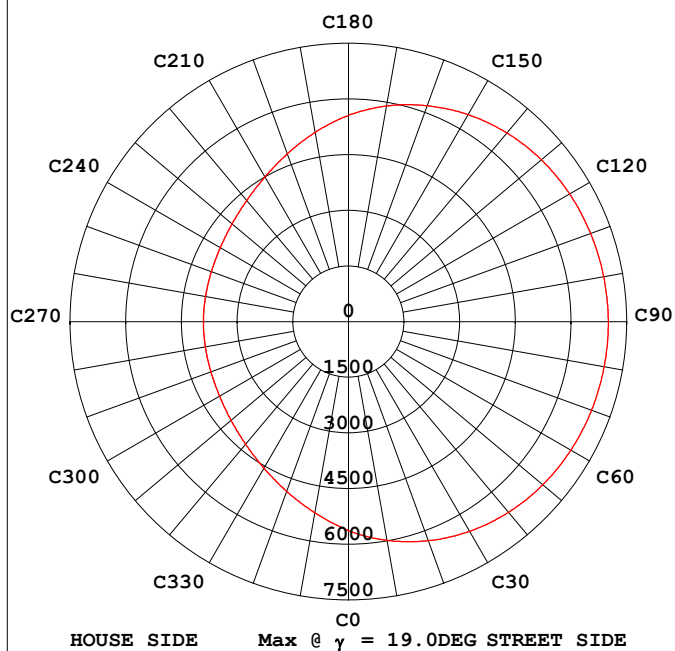


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.34V I:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 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: 130.10 lm/W			
RENO-CWP-MW-DV-MCCT-ABA-G2-R2		Imax (cd)	7001	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	64.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	15314	η house_up (%)	0.0
NOMINAL FLUX (lm)	15314.4	MAXIMUM @ (C, γ)	90,19.0	η house_down (%)	35.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	

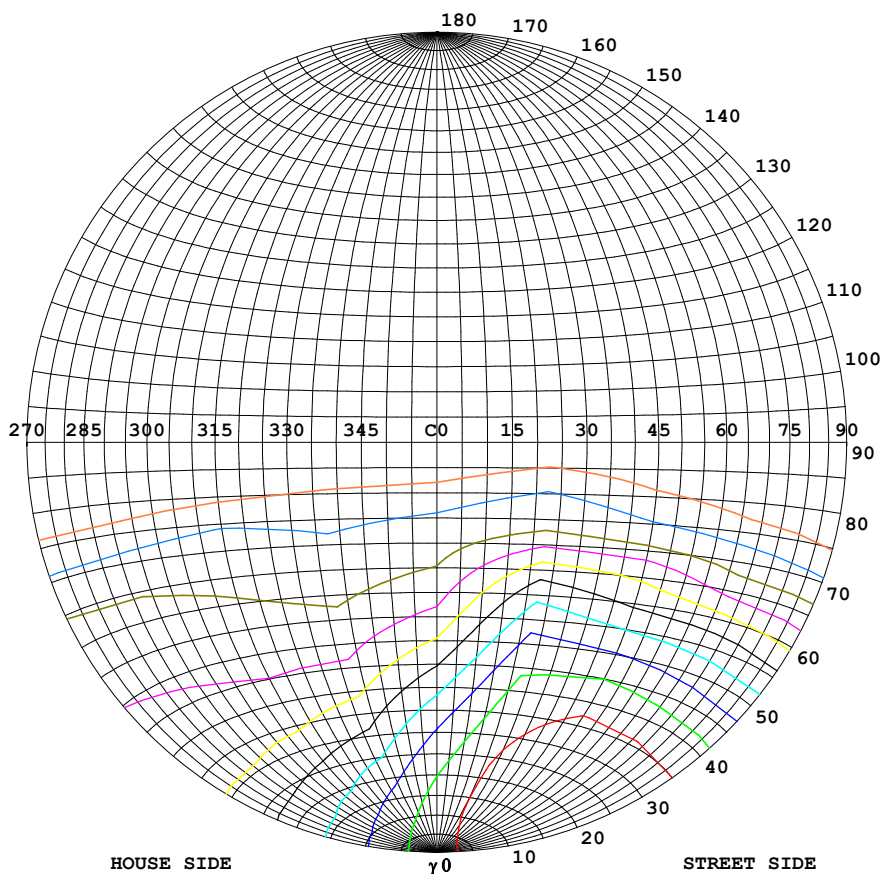
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:120.34V I:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 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:



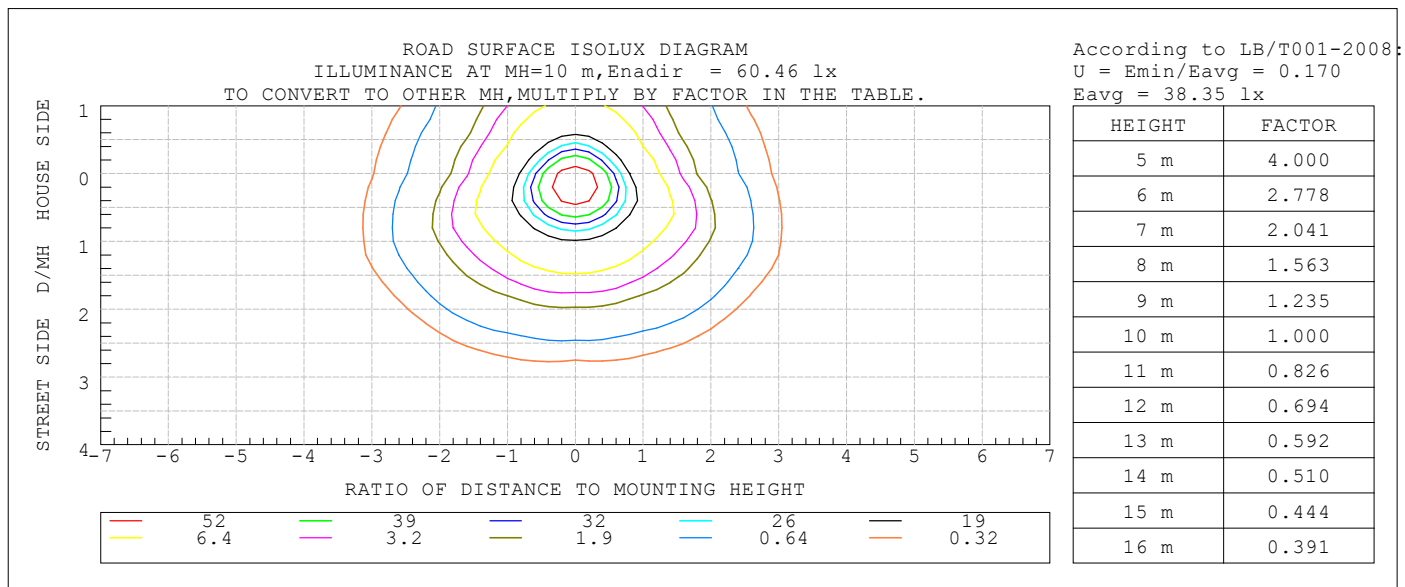
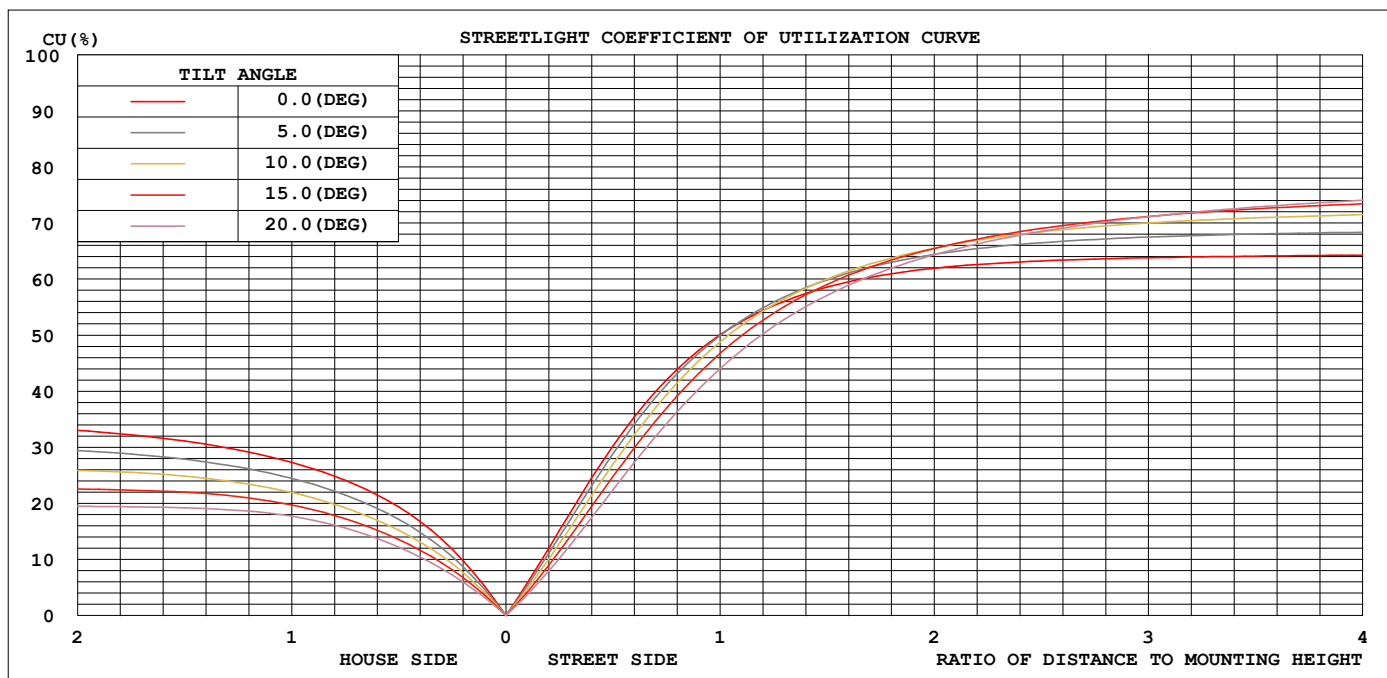
Classification:

IES:Type II - Very Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:47.64cd/klm
Max.At90:0cd/klm
Max.80-90:47.64cd/klm
NRB 5101:Limited[6.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7001
90%	6301
80%	5601
70%	4900
60%	4200
50%	3500
40%	2800
30%	2100
20%	1400
10%	700
5%	350

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:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 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:

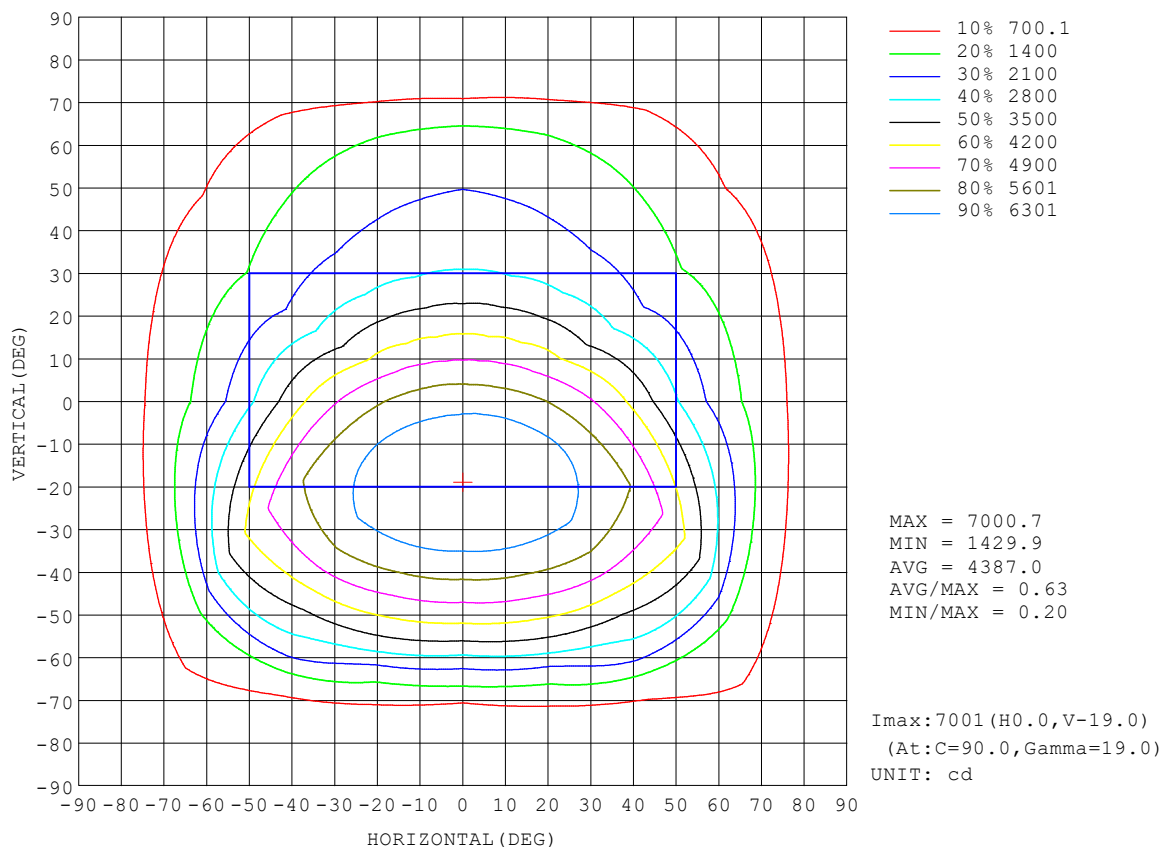
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5938	6580	6776	6541	5907	5157	4851	5165	0- 10	567.5	567.5	3.71,3.71
20	5583	6783	6999	6726	5508	4080	3818	4119	10- 20	1599	2167	14.1,14.1
30	4956	6652	6687	6593	4833	3111	2855	3170	20- 30	2379	4546	29.7,29.7
40	4018	6085	5798	6011	3853	2340	2414	2378	30- 40	2816	7362	48.1,48.1
50	2856	4947	4494	4834	2682	1842	2088	1874	40- 50	2872	10233	66.8,66.8
60	1837	3385	2666	3257	1696	1414	1673	1448	50- 60	2515	12748	83.2,83.2
70	1071	1652	784.3	1502	969.1	936.3	805.0	983.3	60- 70	1711	14459	94.4,94.4
80	468.3	409.4	168.6	364.4	381.9	244.4	184.3	297.3	70- 80	688.2	15147	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	167.2	15314	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15314	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15314	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15314	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15314	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15314	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15314	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15314	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15314	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15314	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

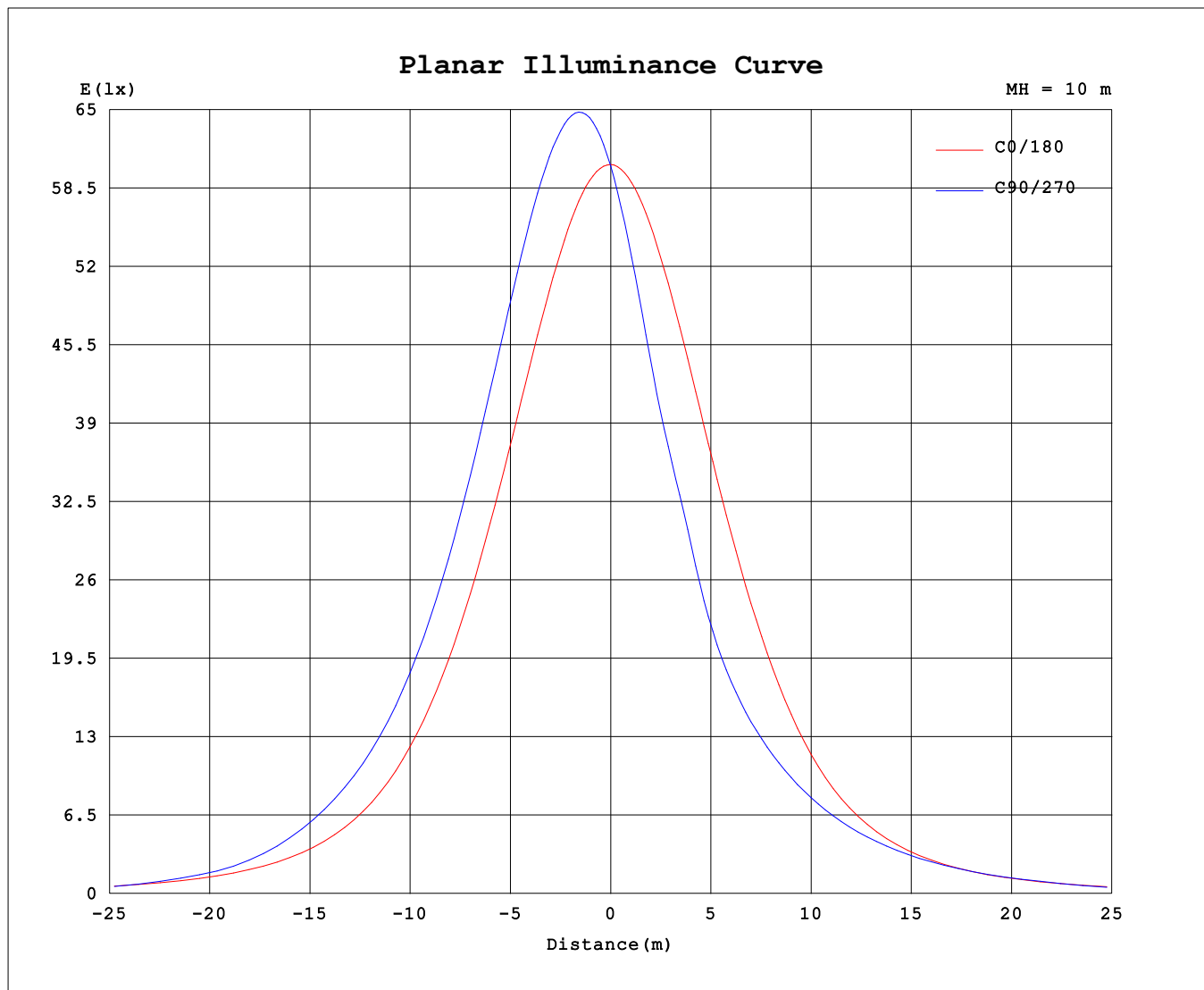
Test:U:120.34V I:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 lm		
NAME: RENO-CWP-MW-DV-MCCT-ABA-G2-R2	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.: 0-10V	SERIAL No.:
MFR.:	SUR.: 0.28*0.16	Shielding Angle:



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

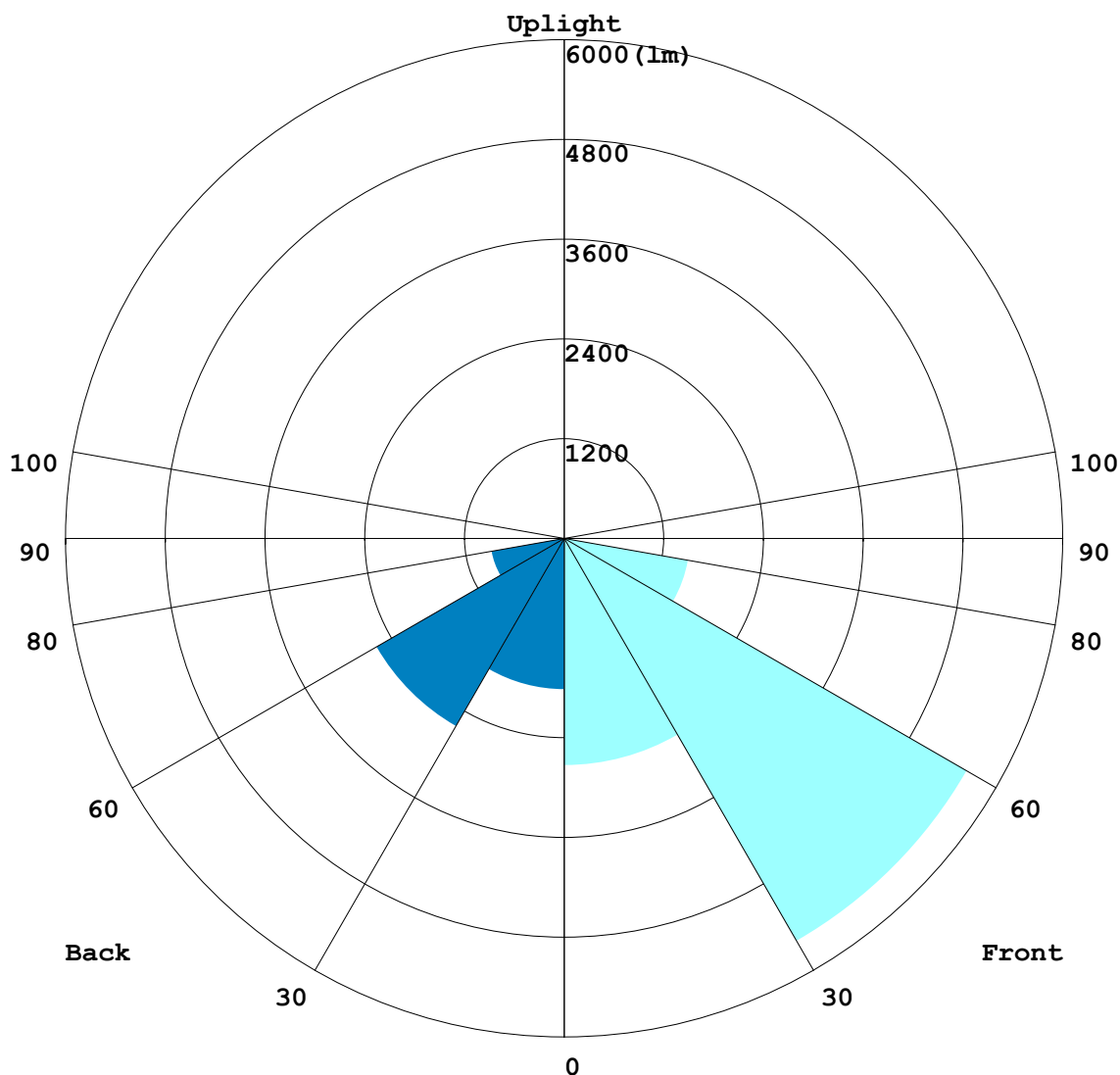


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 2026-07-02

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:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 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°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:

BUG REPORT

Test:U:120.34V I:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 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)	2729.8	17.8
FM - Front-Medium(30-60)	5593.6	36.5
FH - Front-High(60-80)	1513.6	9.9
FVH - Front-Very High(80-90)	103.17	0.7
Total Forward Light	9940.2	64.9

BL - Back-Low(0-30)	1816.1	11.9
BM - Back-Medium(30-60)	2608.5	17.0
BH - Back-High(60-80)	885.53	5.8
BVH - Back-Very High(80-90)	64.076	0.4
Total Back Light	5374.2	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	5374.2	0	5374.2
Street Side	9940.2	0	9940.2

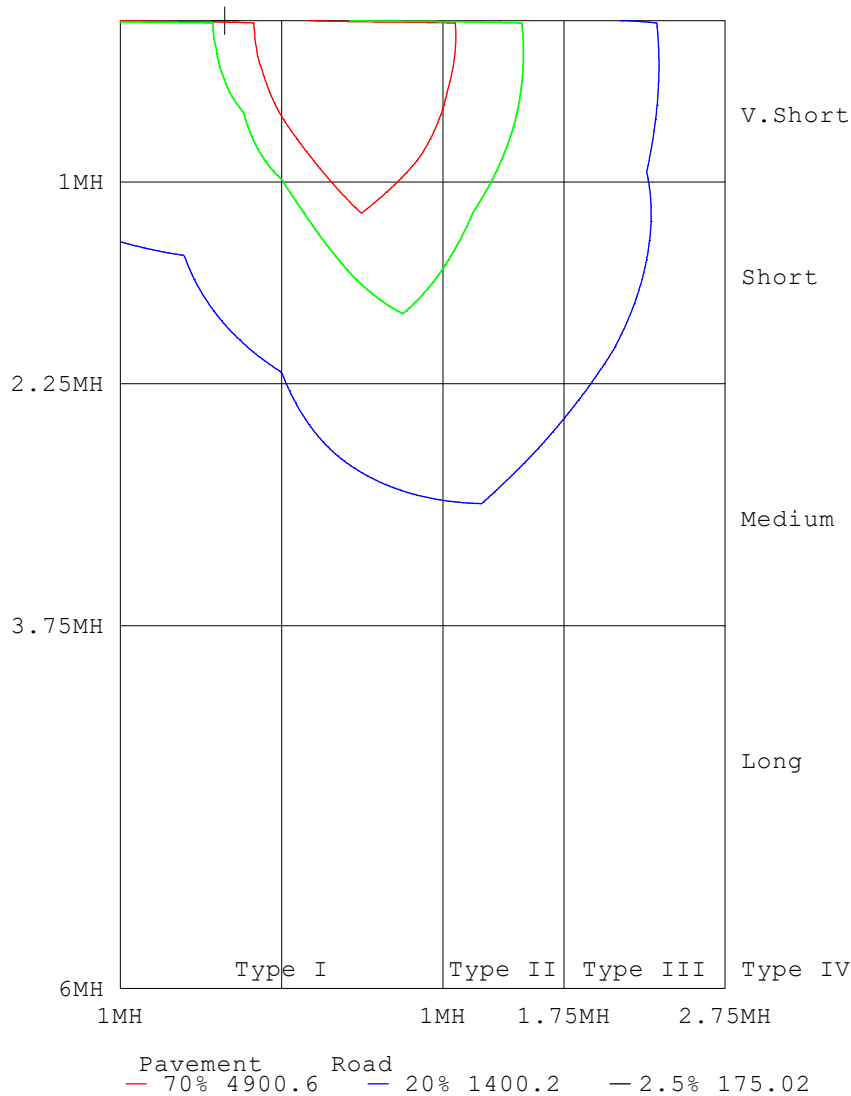
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-07-02

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:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 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:120.34V I:0.9809A P:117.72W PF:1.0234 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15314.4x1 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	6046	6044	6045	6033	6032	6018	6020	6016	6046	6044	6045	6033	6032	6018	6020	6016			
5	6020	6207	6356	6440	6467	6421	6322	6165	6008	5812	5647	5518	5483	5513	5635	5800			
10	5938	6308	6580	6732	6776	6706	6541	6252	5907	5502	5157	4916	4851	4922	5165	5508			
15	5791	6352	6722	6905	6949	6879	6673	6278	5741	5107	4598	4319	4274	4333	4628	5141			
20	5583	6340	6783	6964	6999	6935	6726	6255	5508	4630	4080	3856	3818	3874	4119	4692			
25	5304	6275	6762	6902	6915	6876	6706	6182	5207	4096	3623	3326	3264	3354	3665	4179			
30	4956	6167	6652	6715	6687	6687	6593	6064	4833	3572	3111	2873	2855	2893	3170	3659			
35	4527	6008	6432	6383	6308	6348	6367	5892	4382	3071	2673	2571	2596	2588	2719	3163			
40	4018	5784	6085	5905	5798	5863	6011	5661	3853	2581	2340	2356	2414	2371	2378	2677			
45	3448	5492	5591	5313	5184	5262	5498	5356	3266	2162	2075	2174	2250	2187	2107	2238			
50	2856	5109	4947	4637	4494	4580	4834	4964	2682	1813	1842	1997	2088	2011	1874	1877			
55	2308	4626	4179	3916	3701	3853	4043	4468	2153	1497	1626	1819	1902	1837	1658	1553			
60	1837	3999	3385	3025	2666	2947	3257	3818	1696	1218	1414	1603	1673	1624	1448	1267			
65	1427	3130	2708	1868	1698	1796	2594	2920	1308	970	1193	1322	1362	1349	1230	1015			
70	1071	2010	1652	1057	784	1000	1502	1800	969	747	936	863	805	914	983	790			
75	759	1107	736	486	332	464	673	982	667	541	556	436	418	467	635	582			
80	468	730	409	231	169	220	364	604	382	329	244	191	184	209	297	383			
85	190	365	192	102	77.7	93.2	159	269	122	109	82.2	84.7	86.3	93.5	104	159			
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: