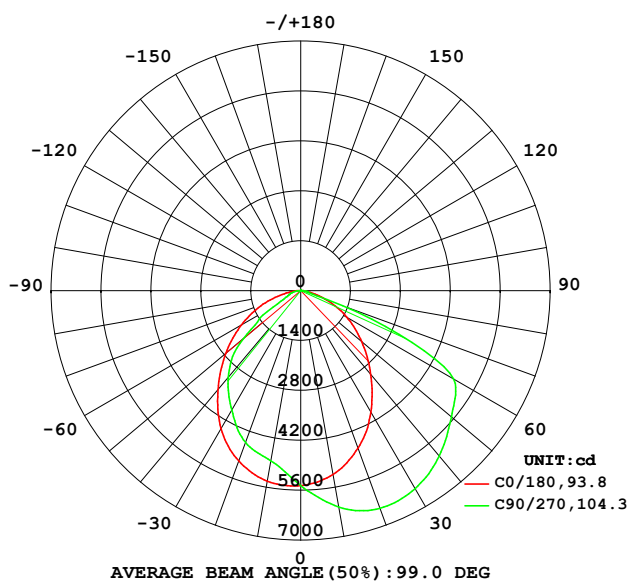
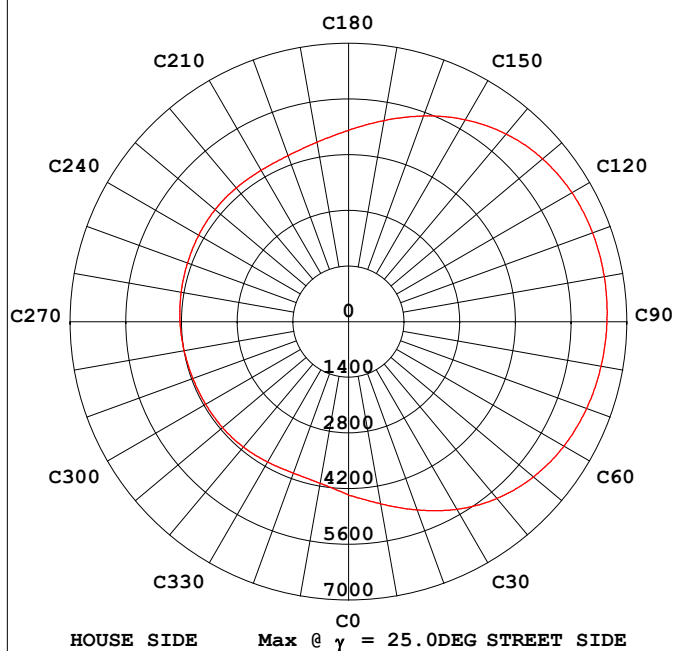


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.38 lm/W			
MODEL	WP28-14-120L-S2D4C3	I _{max} (cd)	6527	η street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	99.0	η street_down (%)	64.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	15762	η house_up (%)	0.0
NOMINAL FLUX (lm)	15921.8	MAXIMUM @ (C, γ)	113,25.0	η house_down (%)	34.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.0	SLI	21.332

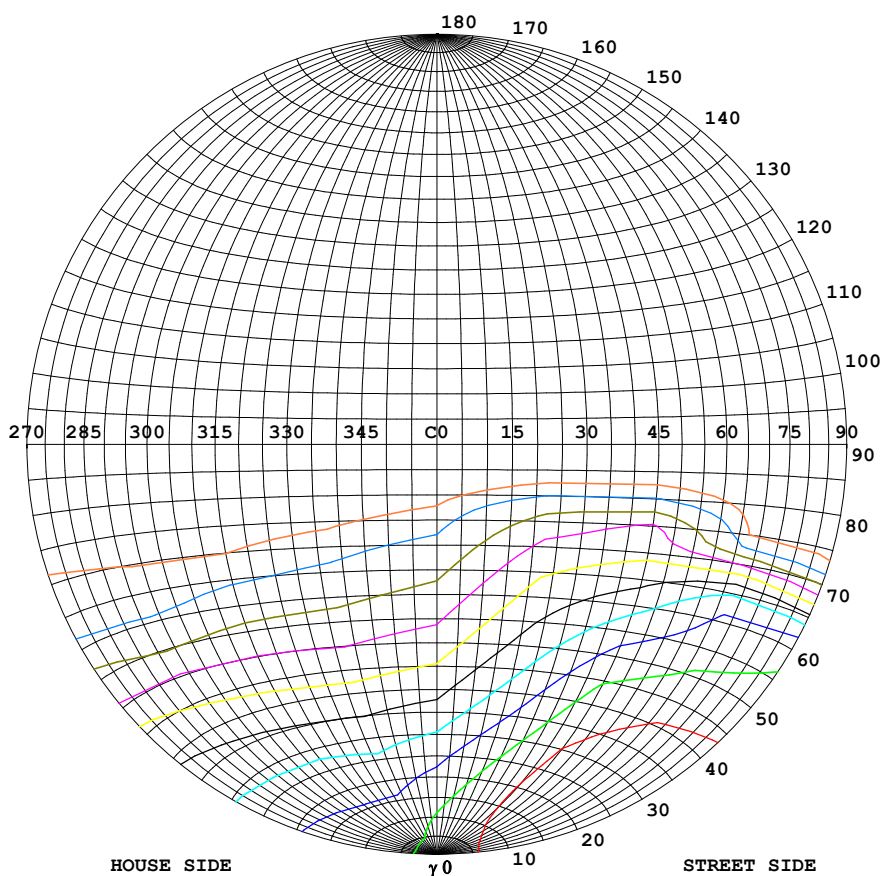
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



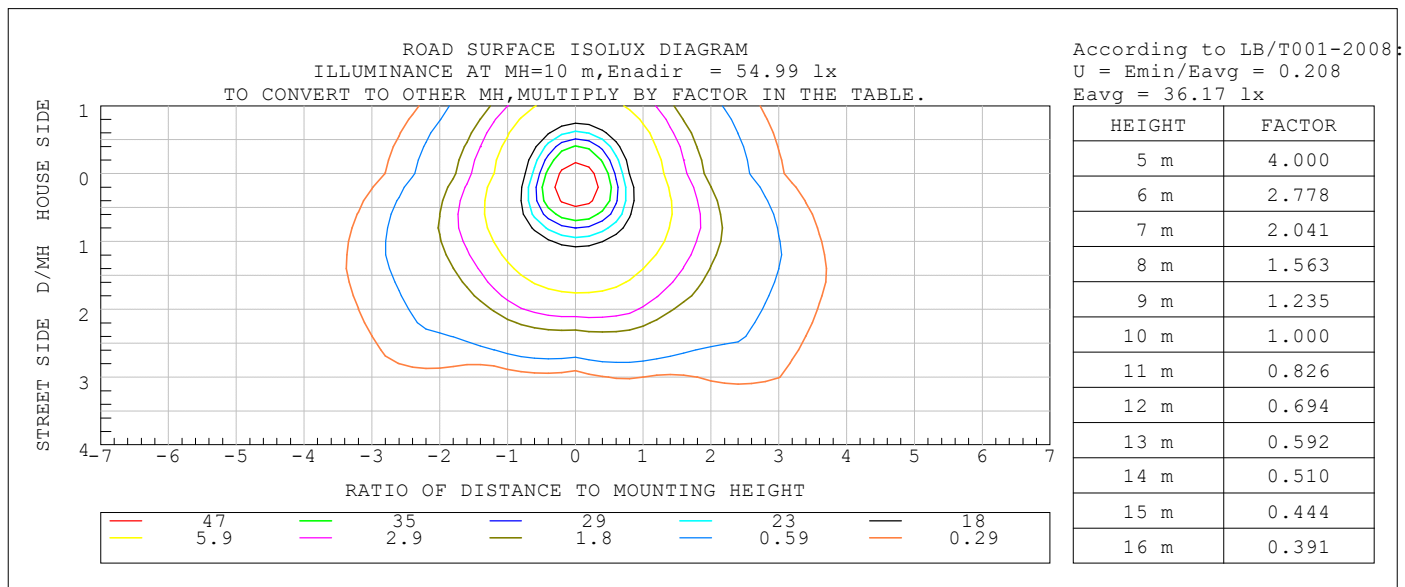
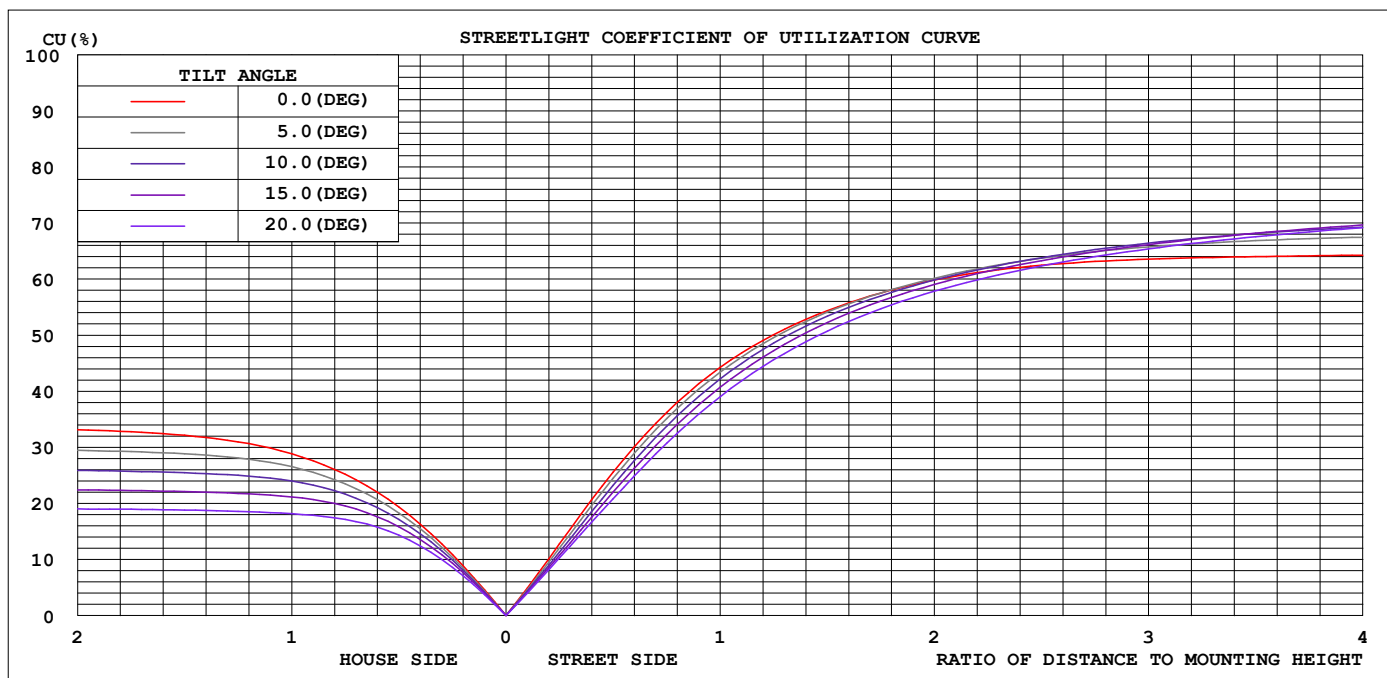
Classification:

IES:Type III - Very Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:82.15cd/klm
Max.At90:0cd/klm
Max.80-90:82.15cd/klm
NRB 5101:Semi limited[12.0%]

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		6527
90%		5874
80%		5221
70%		4569
60%		3916
50%		3263
40%		2611
30%		1958
20%		1305
10%		653
5%		326

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [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: 2025-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

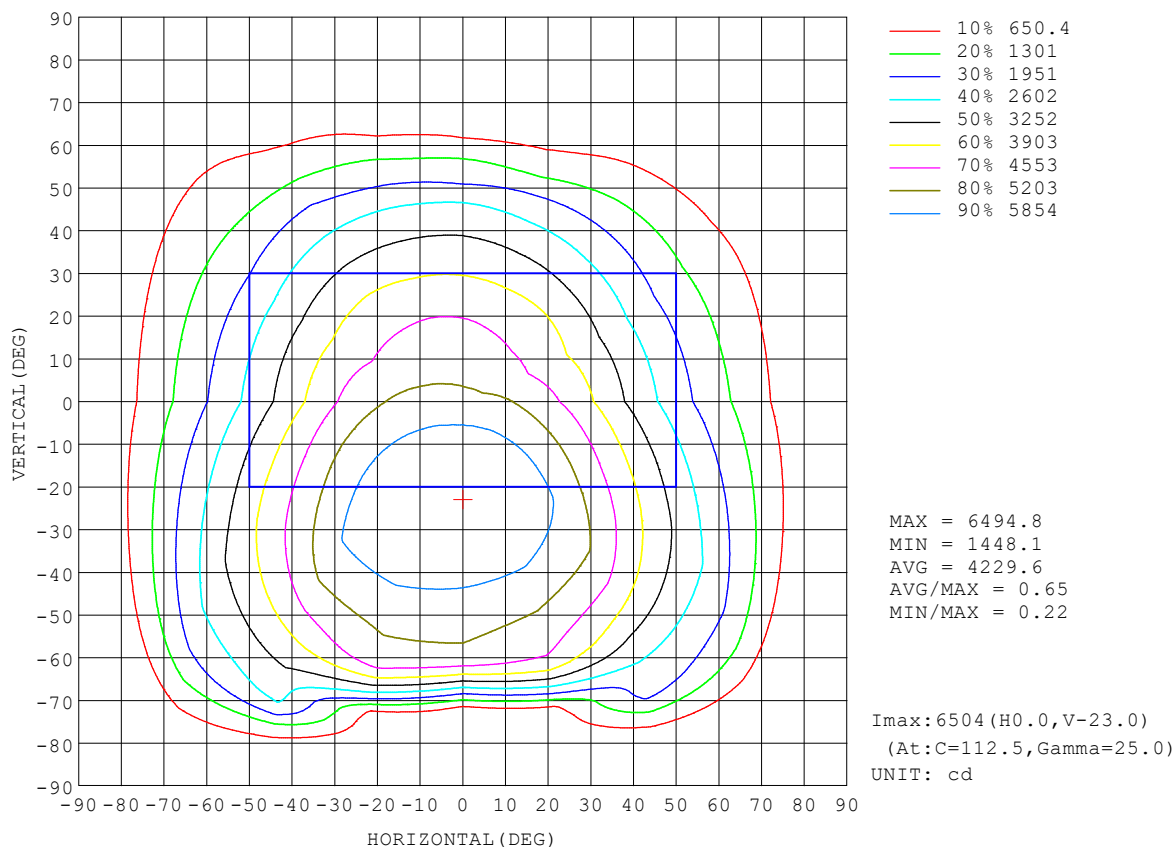
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5236	5837	6162	5973	5428	4966	4848	4857	0- 10	518.8	518.8	3.29,3.26
20	4703	5995	6501	6259	5085	4604	4534	4410	10- 20	1515	2034	12.9,12.8
30	3938	5851	6415	6241	4471	4101	3871	3744	20- 30	2338	4372	27.7,27.5
40	3057	5462	6051	5973	3613	3325	3161	2875	30- 40	2830	7202	45.7,45.2
50	2240	4753	5521	5376	2747	2467	2104	1978	40- 50	2947	10149	64.4,63.7
60	1497	3685	4946	4383	1922	1463	764.1	927.8	50- 60	2655	12804	81.2,80.4
70	787.4	2425	1254	3224	1128	490.5	349.1	322.5	60- 70	1941	14745	93.5,92.6
80	221.3	673.0	211.0	1170	413.4	196.6	140.3	140.0	70- 80	858.5	15604	99,98
90	0	0	0	0	0	0	0	0	80- 90	158.3	15762	100,99
100	0	0	0	0	0	0	0	0	90-100	0	15762	100,99
110	0	0	0	0	0	0	0	0	100-110	0	15762	100,99
120	0	0	0	0	0	0	0	0	110-120	0	15762	100,99
130	0	0	0	0	0	0	0	0	120-130	0	15762	100,99
140	0	0	0	0	0	0	0	0	130-140	0	15762	100,99
150	0	0	0	0	0	0	0	0	140-150	0	15762	100,99
160	0	0	0	0	0	0	0	0	150-160	0	15762	100,99
170	0	0	0	0	0	0	0	0	160-170	0	15762	100,99
180	0	0	0	0	0	0	0	0	170-180	0	15762	100,99
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

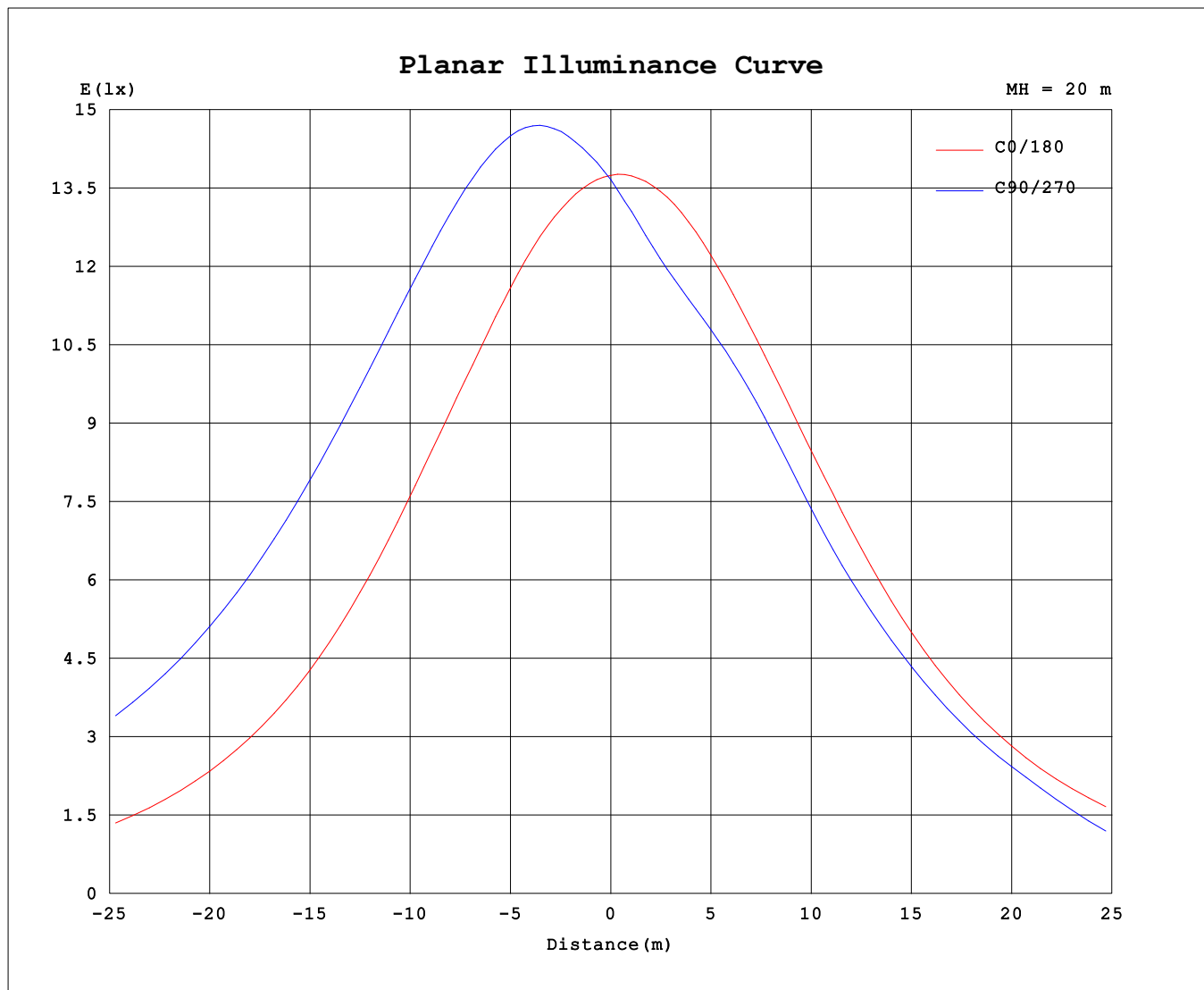
Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

Planar Illuminance Curve



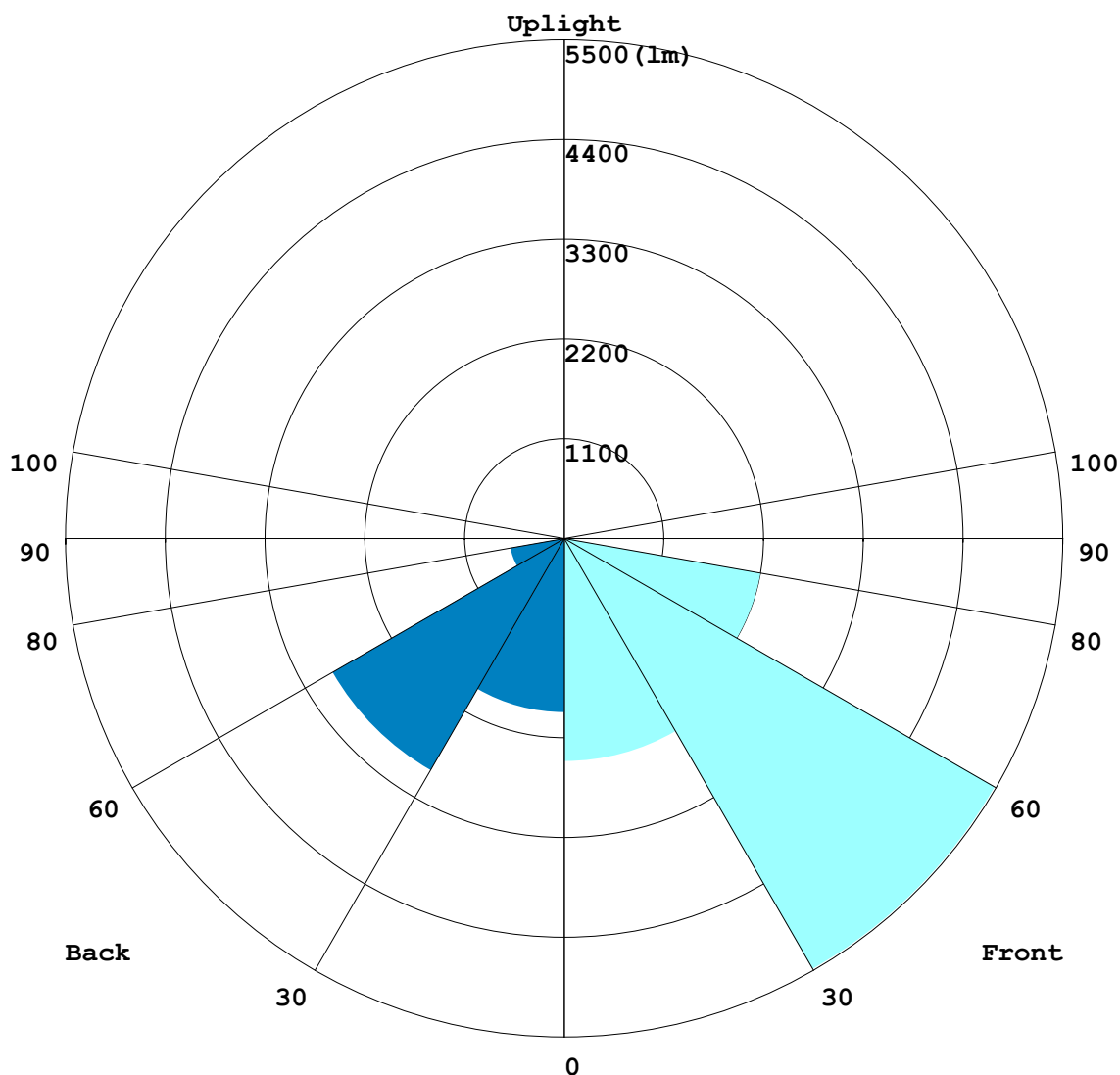
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

LCS REPORT

Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	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:2025-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

BUG REPORT

Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2456.6	15.6
FM - Front-Medium(30-60)	5482.7	34.8
FH - Front-High(60-80)	2199	14.0
FVH - Front-Very High(80-90)	115.28	0.7
Total Forward Light	10254	65.1

BL - Back-Low(0-30)	1915.1	12.2
BM - Back-Medium(30-60)	2949.5	18.7
BH - Back-High(60-80)	600.83	3.8
BVH - Back-Very High(80-90)	42.991	0.3
Total Back Light	5508.4	34.9

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	5508.4	0	5508.4
Street Side	10254	0	10254

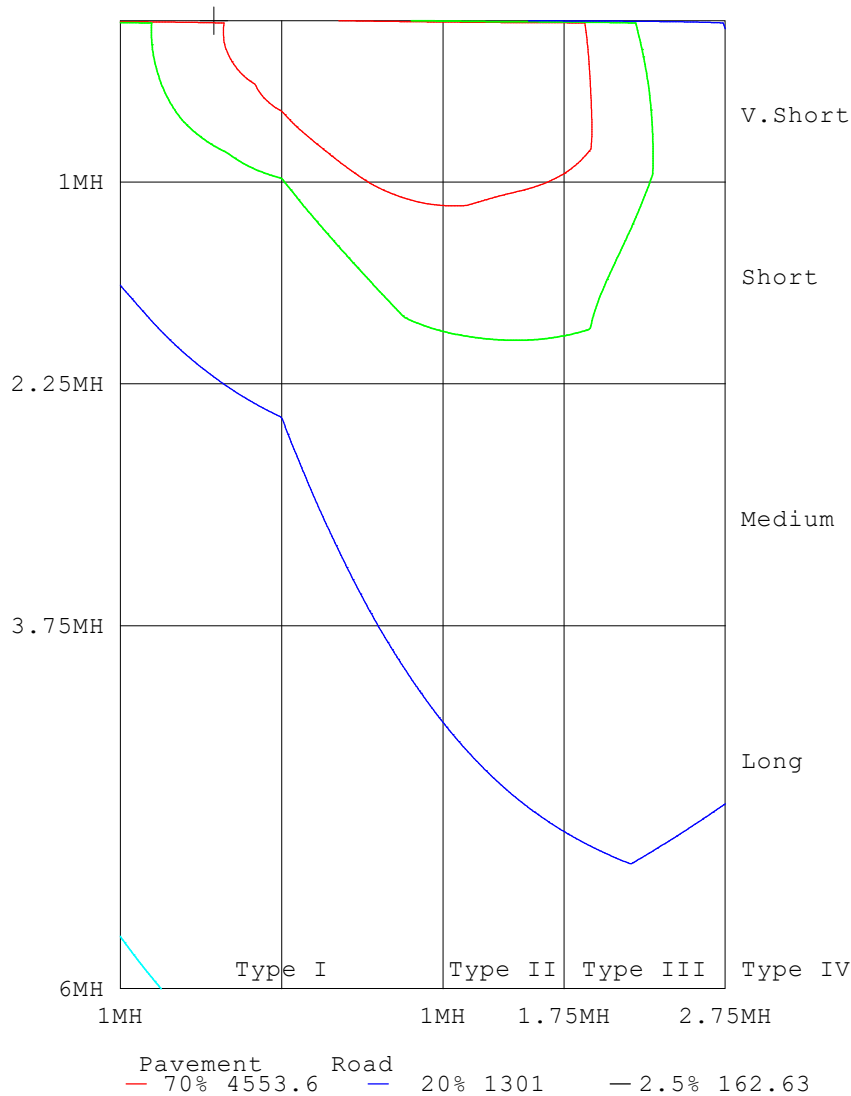
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.35V I:0.8427A P:100.79W PF:0.9938 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15921.8x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	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	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469	5469			
5	5388	5532	5669	5777	5824	5812	5732	5628	5485	5336	5216	5140	5102	5105	5152	5253			
10	5236	5539	5837	6057	6162	6129	5973	5726	5428	5154	4966	4882	4848	4827	4857	4986			
15	5001	5481	5949	6262	6392	6371	6155	5753	5289	4925	4777	4738	4707	4656	4627	4698			
20	4703	5335	5995	6356	6501	6503	6259	5705	5085	4683	4604	4586	4534	4468	4410	4375			
25	4361	5140	5950	6348	6498	6527	6282	5600	4817	4430	4396	4323	4241	4164	4133	4053			
30	3938	4868	5851	6261	6415	6463	6241	5415	4471	4131	4101	3954	3871	3776	3744	3695			
35	3494	4547	5697	6114	6267	6340	6136	5144	4055	3763	3724	3596	3535	3401	3306	3283			
40	3057	4211	5462	5897	6051	6144	5973	4824	3613	3358	3325	3231	3161	2990	2875	2841			
45	2641	3875	5153	5608	5789	5889	5728	4507	3178	2935	2911	2821	2754	2546	2436	2401			
50	2240	3538	4753	5284	5521	5604	5376	4196	2747	2484	2467	2362	2104	2020	1978	1960			
55	1859	3207	4266	4953	5285	5313	4922	3857	2330	2028	1996	1622	1436	1266	1485	1559			
60	1497	2870	3685	4664	4946	5074	4383	3516	1922	1606	1463	1143	764	766	928	1147			
65	1138	2521	3053	3825	3455	4359	3796	3162	1521	1211	925	585	466	440	580	771			
70	787	2100	2425	1916	1254	2477	3224	2739	1128	863	490	381	349	323	322	491			
75	474	1526	2023	327	261	457	2747	2200	745	510	302	266	278	249	221	268			
80	221	655	673	199	211	237	1170	1308	413	228	197	171	140	135	140	123			
85	55.9	133	163	120	113	161	282	363	157	88.6	94.5	51.1	41.5	33.6	36.6	42.3			
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:2025-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks: