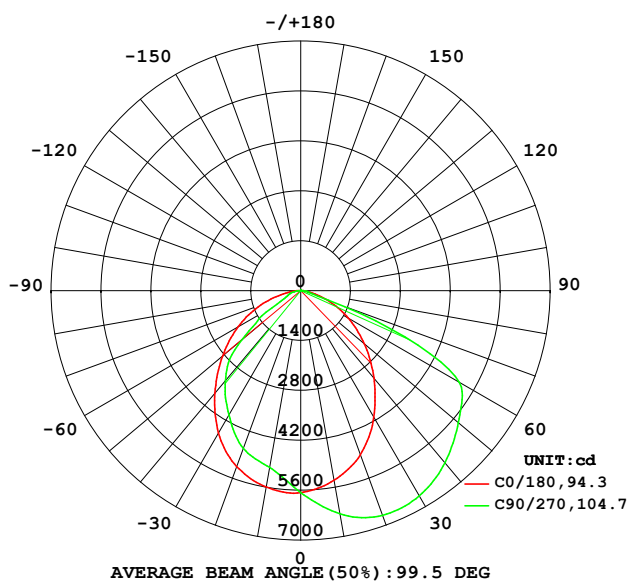
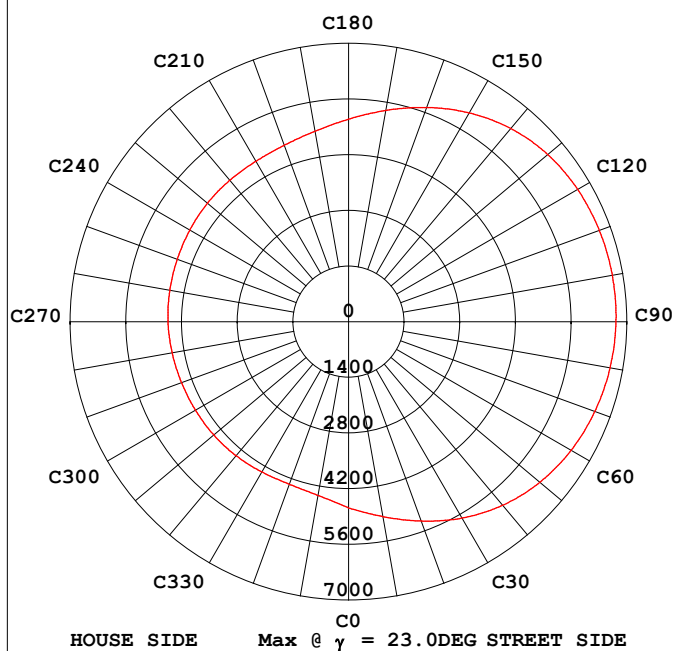


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.55 lm/W			
MODEL	WP28-14-120L-S2D4C3	I _{max} (cd)	6725	η street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	99.0	η street_down (%)	64.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	16359	η house_up (%)	0.0
NOMINAL FLUX (lm)	16524.9	MAXIMUM @ (C, γ)	90,23.0	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	21.379

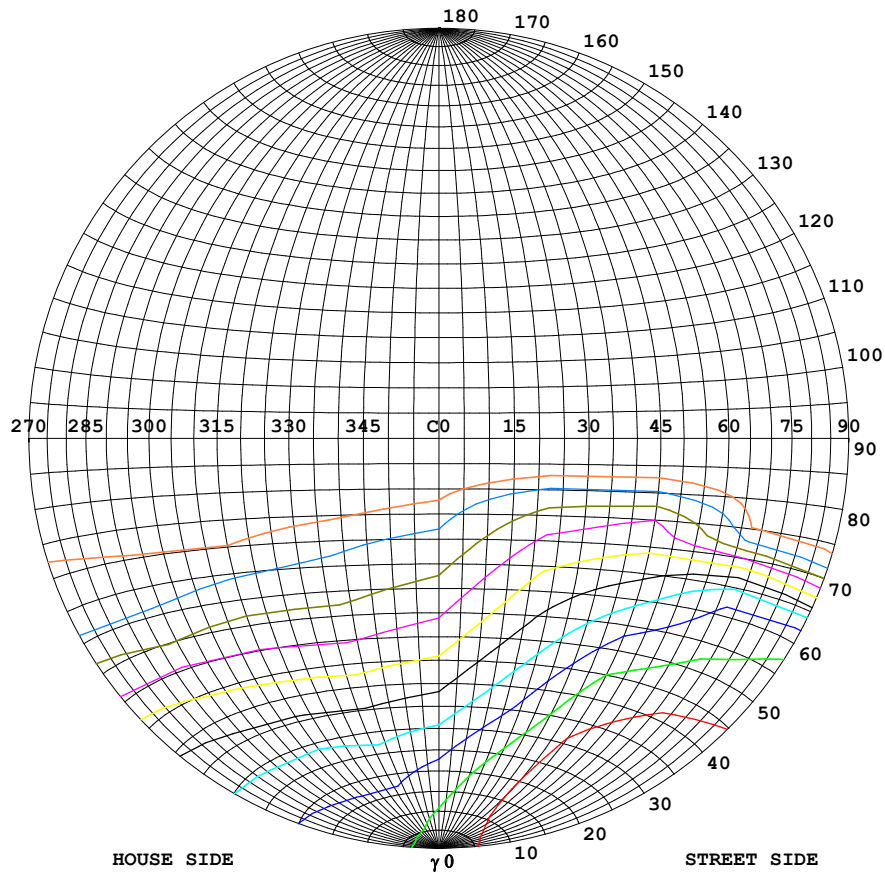
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



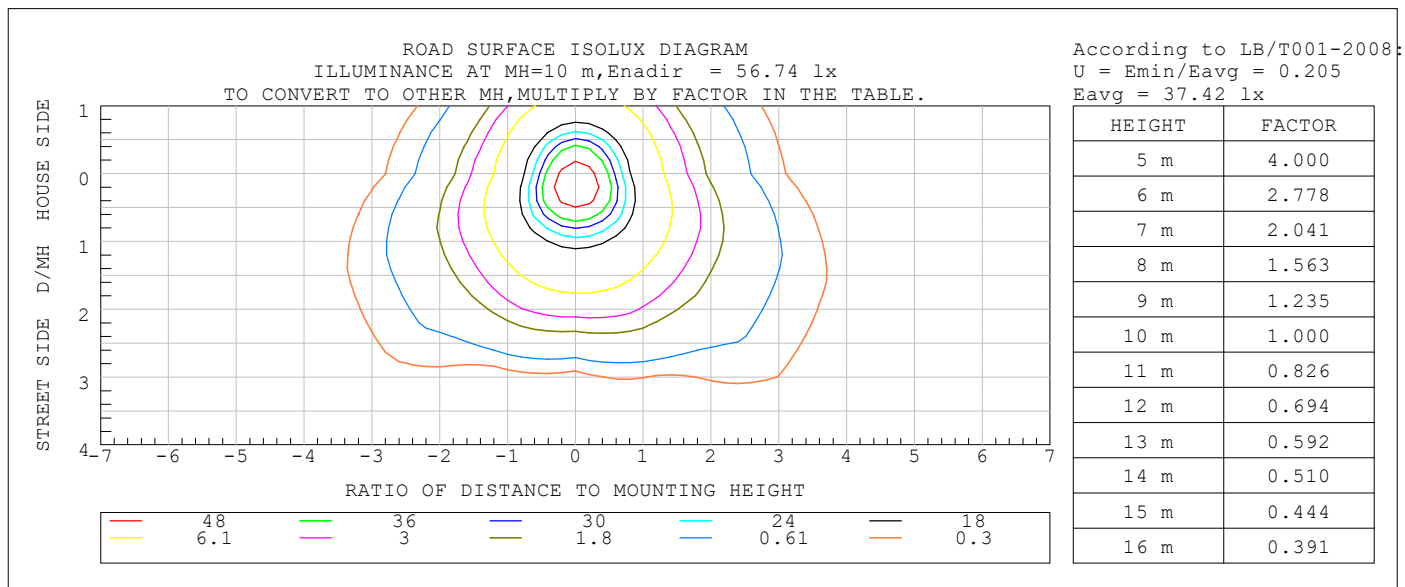
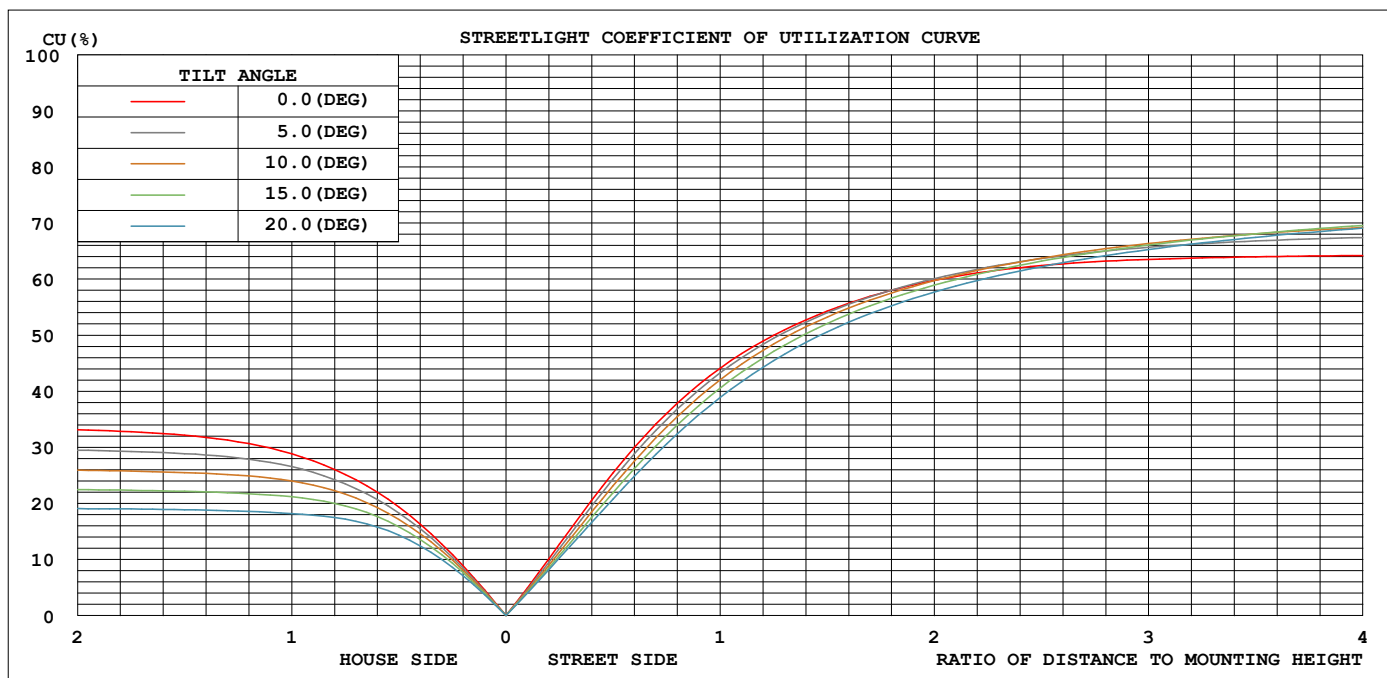
Classification:

IES:Type III - Very Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:83.34cd/klm
Max.At90:0cd/klm
Max.80-90:83.34cd/klm
NRB 5101:Semi limited[12.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6725
90%	6053
80%	5380
70%	4708
60%	4035
50%	3363
40%	2690
30%	2018
20%	1345
10%	673
5%	336

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:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

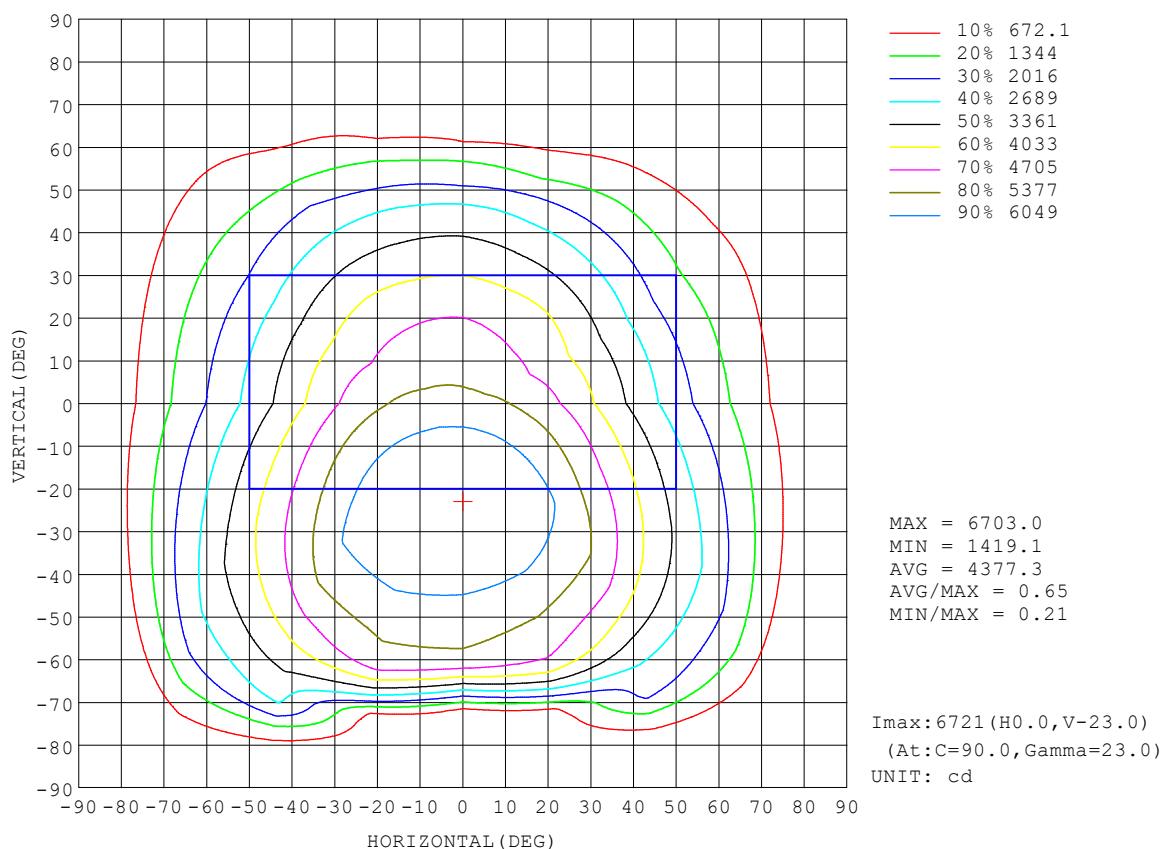
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5403	6012	6359	6150	5594	5142	5038	5037	0- 10	536.5	536.5	3.28,3.25
20	4902	6167	6707	6427	5253	4769	4711	4574	10- 20	1564	2101	12.8,12.7
30	4101	6066	6648	6418	4614	4238	4028	3931	20- 30	2419	4519	27.6,27.3
40	3198	5685	6297	6158	3746	3444	3293	3011	30- 40	2933	7453	45.6,45.1
50	2336	4961	5771	5553	2866	2563	2174	2038	40- 50	3061	10514	64.3,63.6
60	1543	3864	5137	4576	2027	1537	779.4	965.5	50- 60	2760	13274	81.1,80.3
70	804.3	2522	1316	3375	1202	521.6	372.7	344.5	60- 70	2024	15298	93.5,92.6
80	228.1	711.5	217.9	1225	436.5	205.0	148.9	146.6	70- 80	892.2	16190	99,98
90	0	0	0	0	0	0	0	0	80- 90	169.2	16359	100,99
100	0	0	0	0	0	0	0	0	90-100	0	16359	100,99
110	0	0	0	0	0	0	0	0	100-110	0	16359	100,99
120	0	0	0	0	0	0	0	0	110-120	0	16359	100,99
130	0	0	0	0	0	0	0	0	120-130	0	16359	100,99
140	0	0	0	0	0	0	0	0	130-140	0	16359	100,99
150	0	0	0	0	0	0	0	0	140-150	0	16359	100,99
160	0	0	0	0	0	0	0	0	150-160	0	16359	100,99
170	0	0	0	0	0	0	0	0	160-170	0	16359	100,99
180	0	0	0	0	0	0	0	0	170-180	0	16359	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

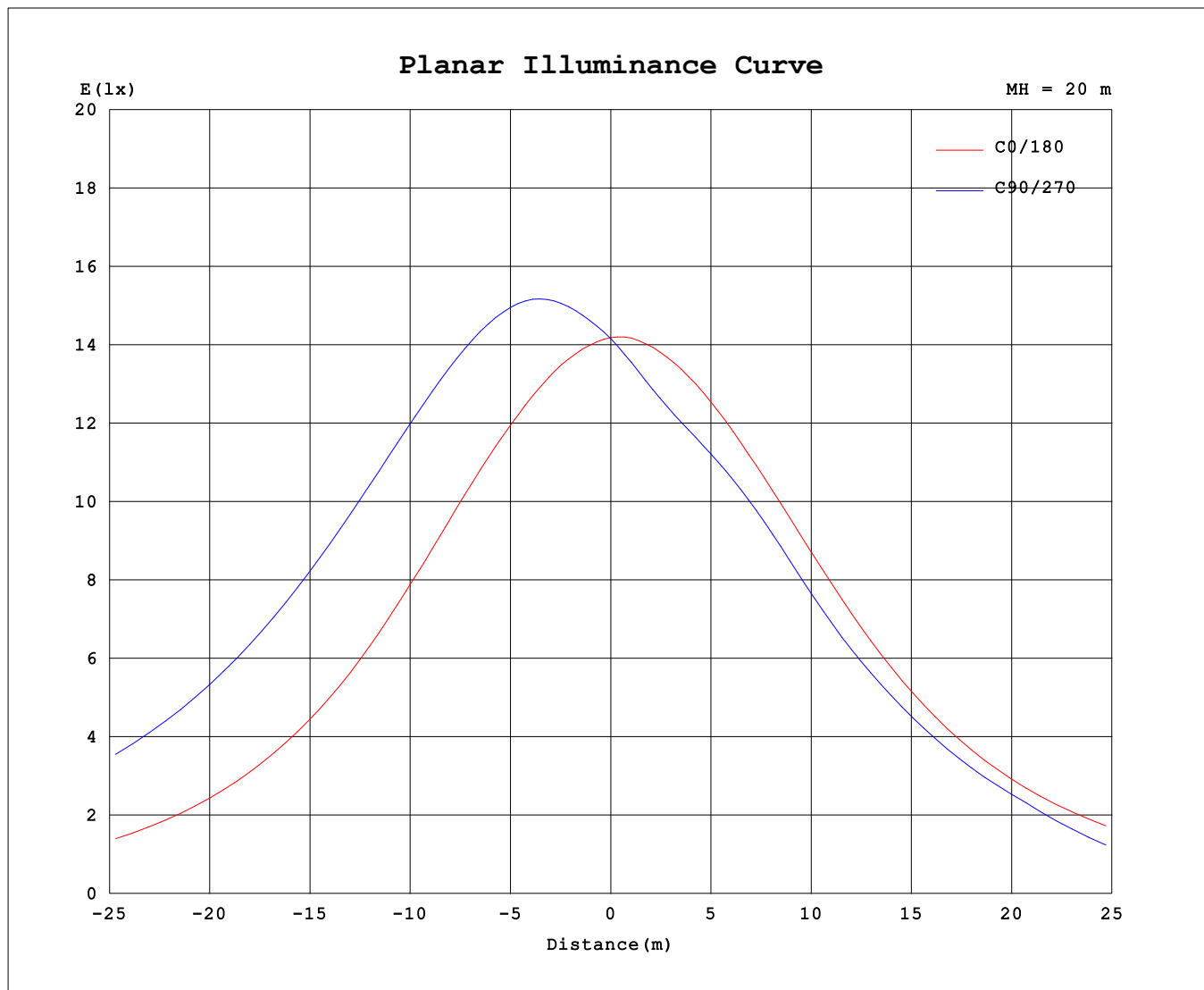
Test:U:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



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

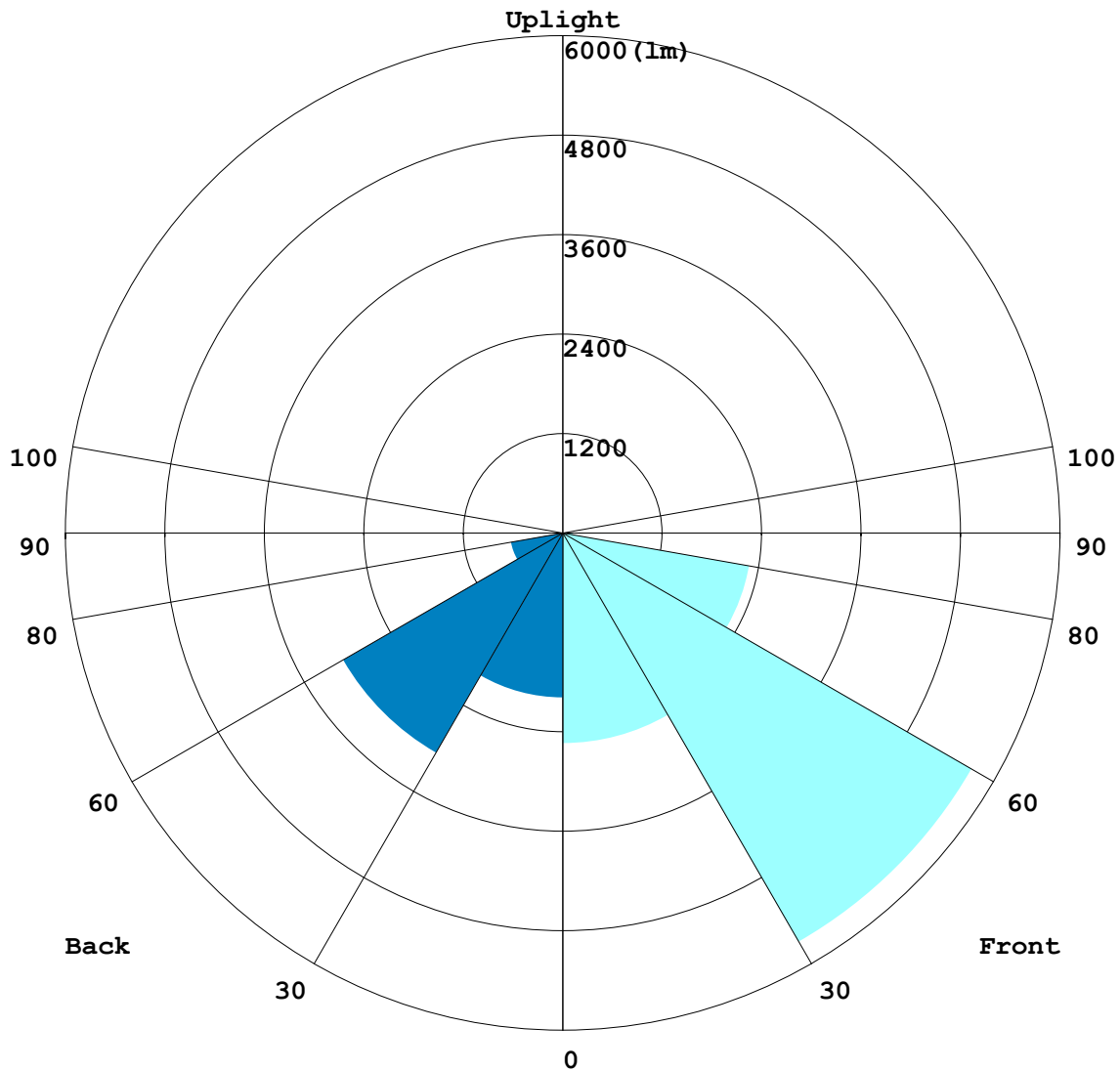


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-22

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:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	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°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:

BUG REPORT

Test:U:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2535.2	15.5
FM - Front-Medium(30-60)	5693.8	34.8
FH - Front-High(60-80)	2282.9	14.0
FVH - Front-Very High(80-90)	123.7	0.8
Total Forward Light	10636	65.0

BL - Back-Low(0-30)	1984.2	12.1
BM - Back-Medium(30-60)	3060.6	18.7
BH - Back-High(60-80)	633.42	3.9
BVH - Back-Very High(80-90)	45.471	0.3
Total Back Light	5723.6	35.0

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	5723.6	0	5723.6
Street Side	10636	0	10636

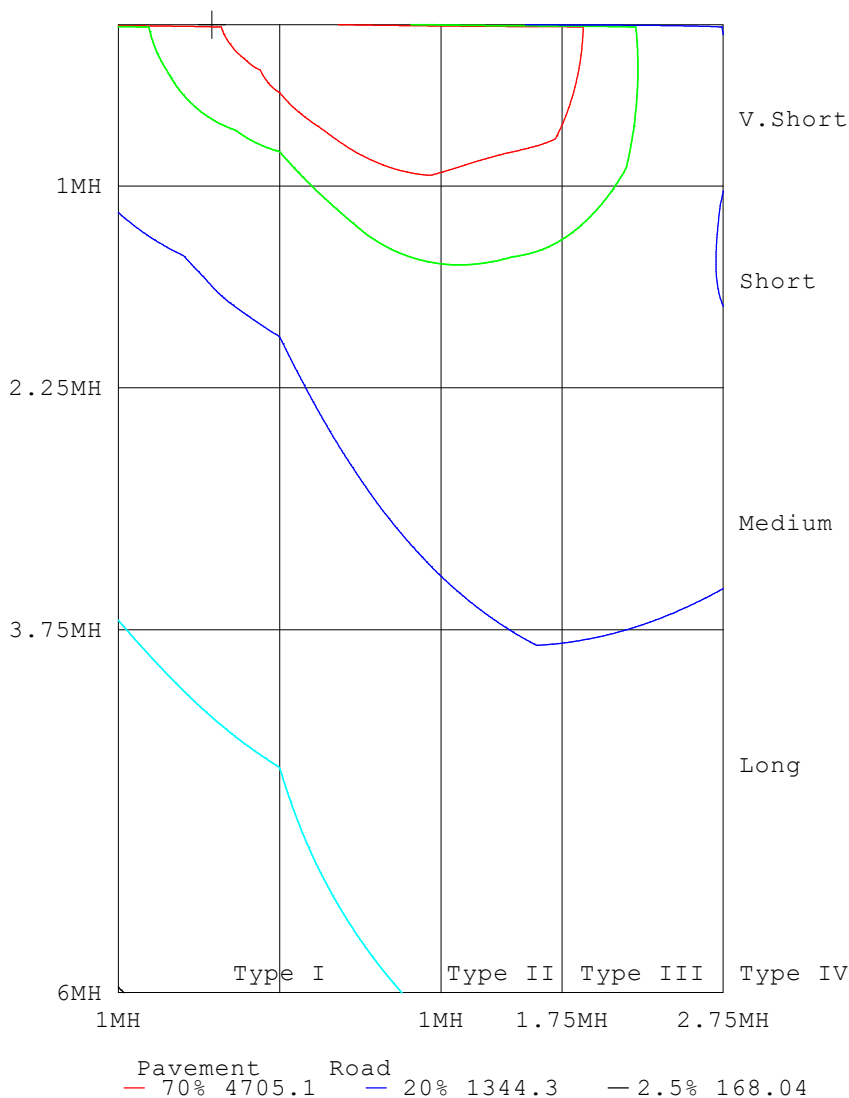
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-22

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:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	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℃
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:120.40V I:0.8464A P:101.27W PF:0.9937 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16524.9x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 100W	WEIGHT:
SPEC.: 5000K	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	5666	5666	5666	5666	5666	5666	5666	5666	5666	5666	5666	5666	5666	5666	5666	5666			
5	5564	5712	5852	5963	6021	6005	5933	5812	5668	5528	5411	5337	5299	5299	5340	5430			
10	5403	5711	6012	6242	6359	6330	6150	5887	5594	5320	5142	5072	5038	5011	5037	5153			
15	5182	5647	6123	6448	6590	6560	6323	5916	5458	5095	4941	4914	4892	4832	4796	4838			
20	4902	5538	6167	6549	6707	6675	6427	5874	5253	4852	4769	4740	4711	4635	4574	4538			
25	4529	5333	6150	6558	6721	6703	6456	5765	4973	4592	4549	4465	4402	4325	4302	4209			
30	4101	5045	6066	6487	6648	6654	6418	5564	4614	4279	4238	4092	4028	3927	3931	3821			
35	3643	4703	5911	6339	6508	6544	6320	5290	4196	3900	3856	3724	3678	3532	3471	3403			
40	3198	4369	5685	6123	6297	6363	6158	4969	3746	3484	3444	3349	3293	3107	3011	2949			
45	2759	4027	5362	5842	6042	6118	5905	4640	3302	3050	3019	2936	2874	2664	2550	2490			
50	2336	3674	4961	5522	5771	5832	5553	4314	2866	2586	2563	2455	2174	2104	2038	1966			
55	1929	3322	4467	5184	5518	5537	5115	3974	2444	2126	2089	1700	1487	1329	1531	1519			
60	1543	2974	3864	4859	5137	5274	4576	3629	2027	1702	1537	1176	779	820	966	1152			
65	1165	2592	3199	3960	3628	4529	3983	3268	1614	1295	983	601	490	472	602	801			
70	804	2138	2522	2015	1316	2621	3375	2845	1202	922	522	389	373	346	345	542			
75	486	1557	2003	344	276	484	2807	2282	791	538	318	276	298	260	233	291			
80	228	719	712	206	218	247	1225	1377	436	240	205	186	149	142	147	132			
85	56.9	149	177	122	116	166	307	405	166	93.7	102	53.9	43.2	35.4	38.7	46.6			
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: