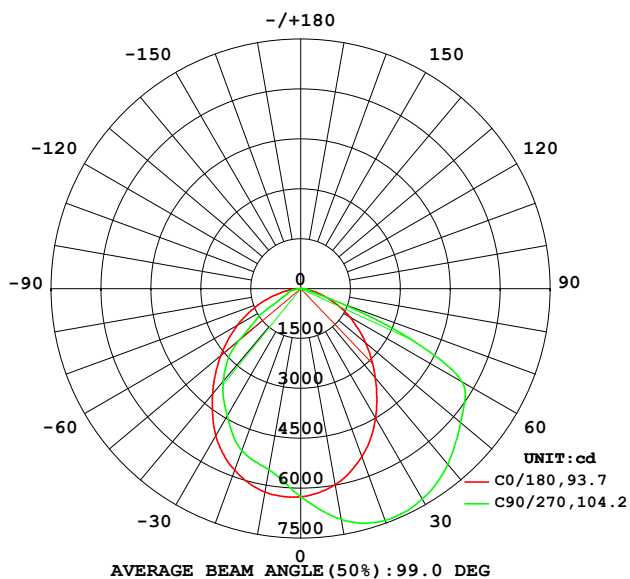
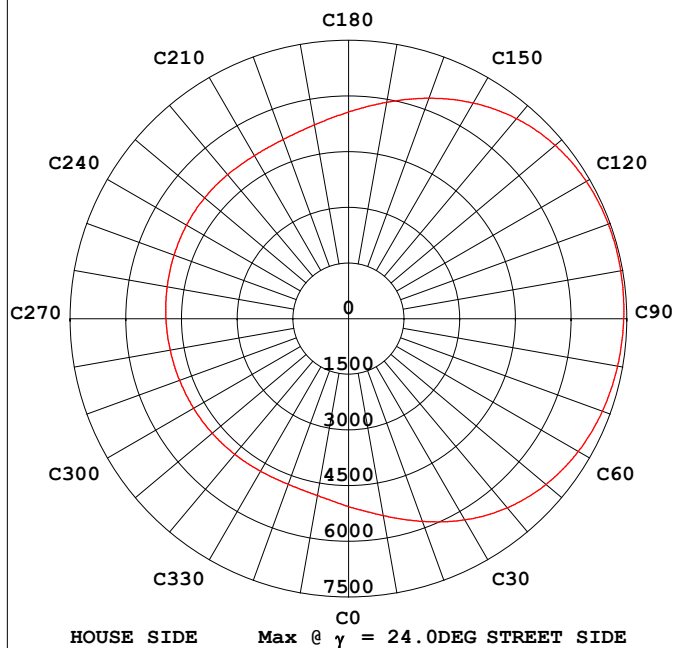


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.35V I:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.16 lm/W			
MODEL	WP28-14-120L-S2D4C3	I _{max} (cd)	7443	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	99.0	η street_down (%)	64.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	17983	η house_up (%)	0.0
NOMINAL FLUX (lm)	18165.2	MAXIMUM @ (C, γ)	113,24.0	η house_down (%)	34.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.0	SLI	21.523

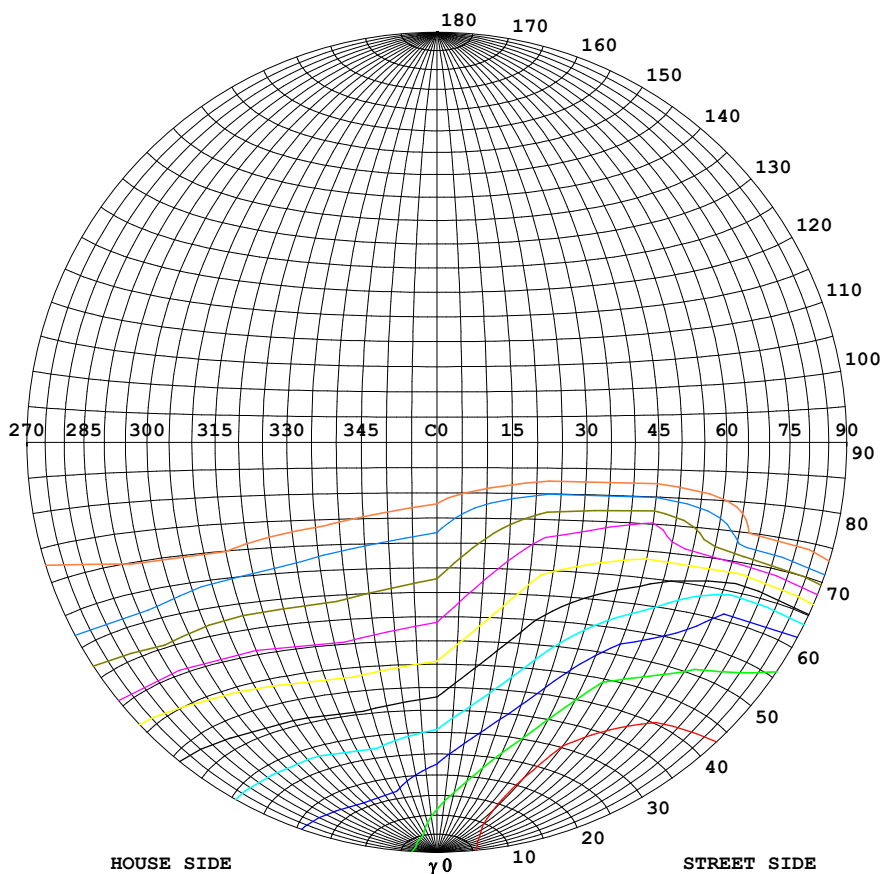
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



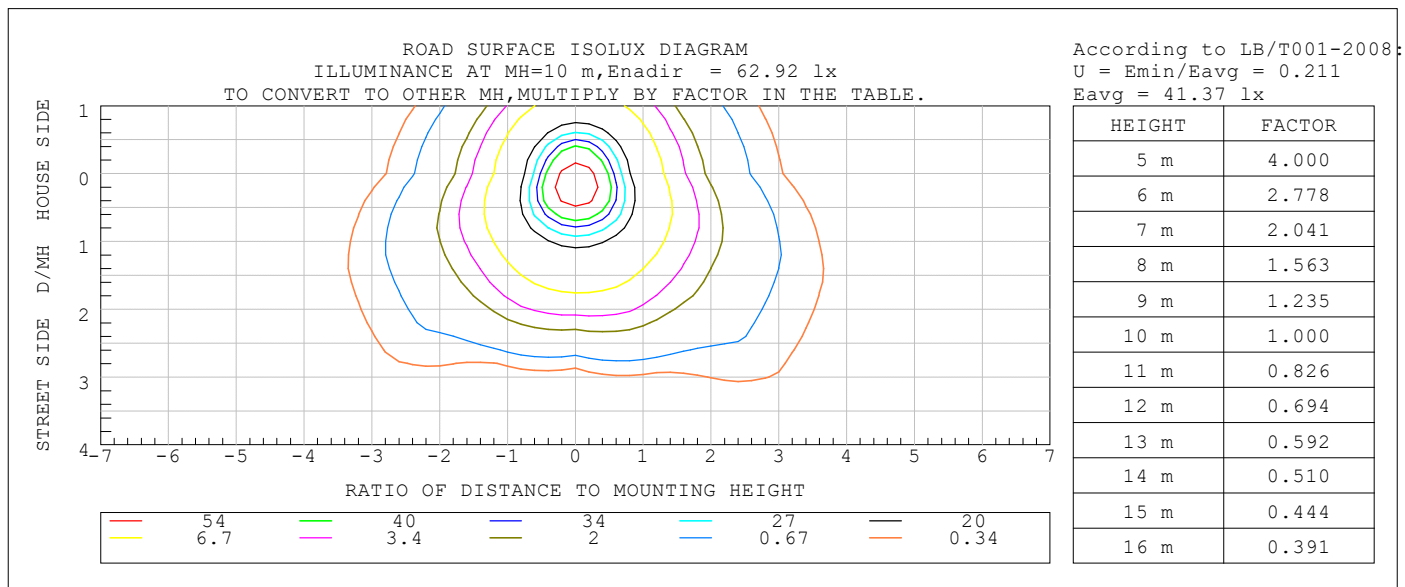
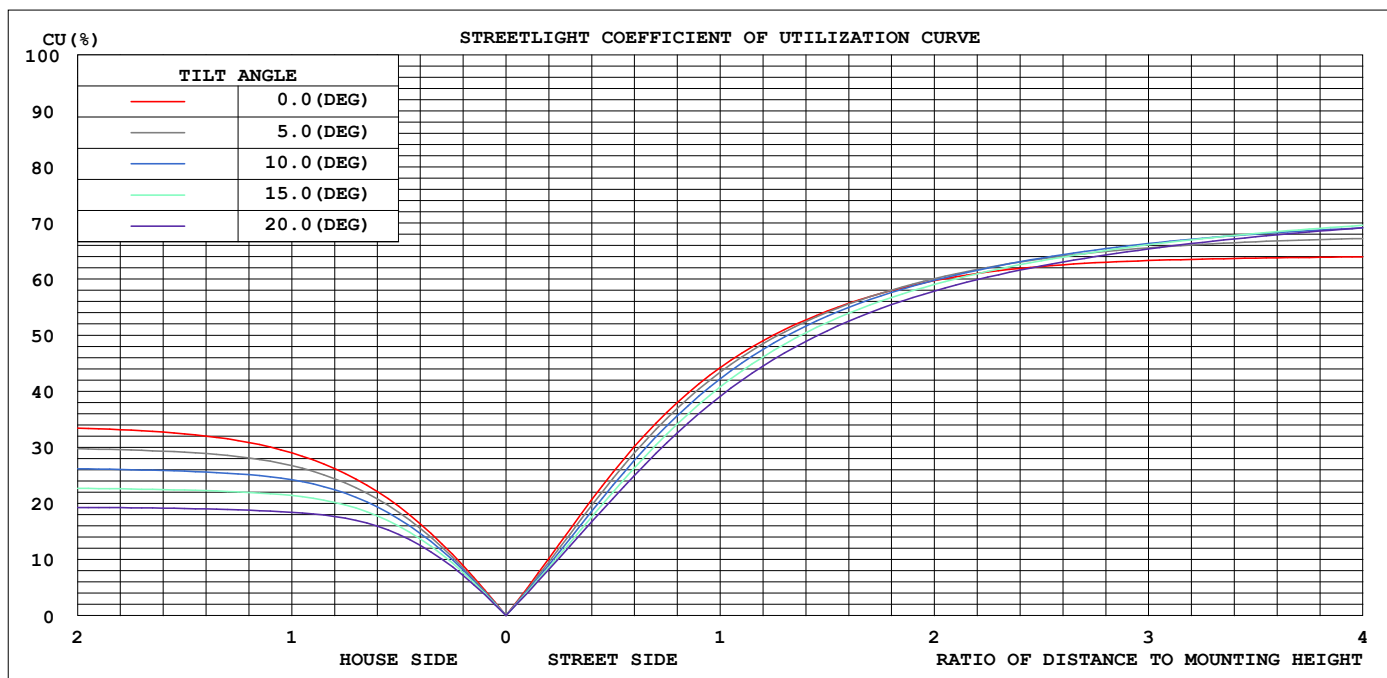
Classification:

IES:Type III - Very Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:78.52cd/klm
Max.At90:0cd/klm
Max.80-90:78.52cd/klm
NRB 5101:Semi limited[11.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7443
90%	6699
80%	5954
70%	5210
60%	4466
50%	3722
40%	2977
30%	2233
20%	1489
10%	744
5%	372

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:

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:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

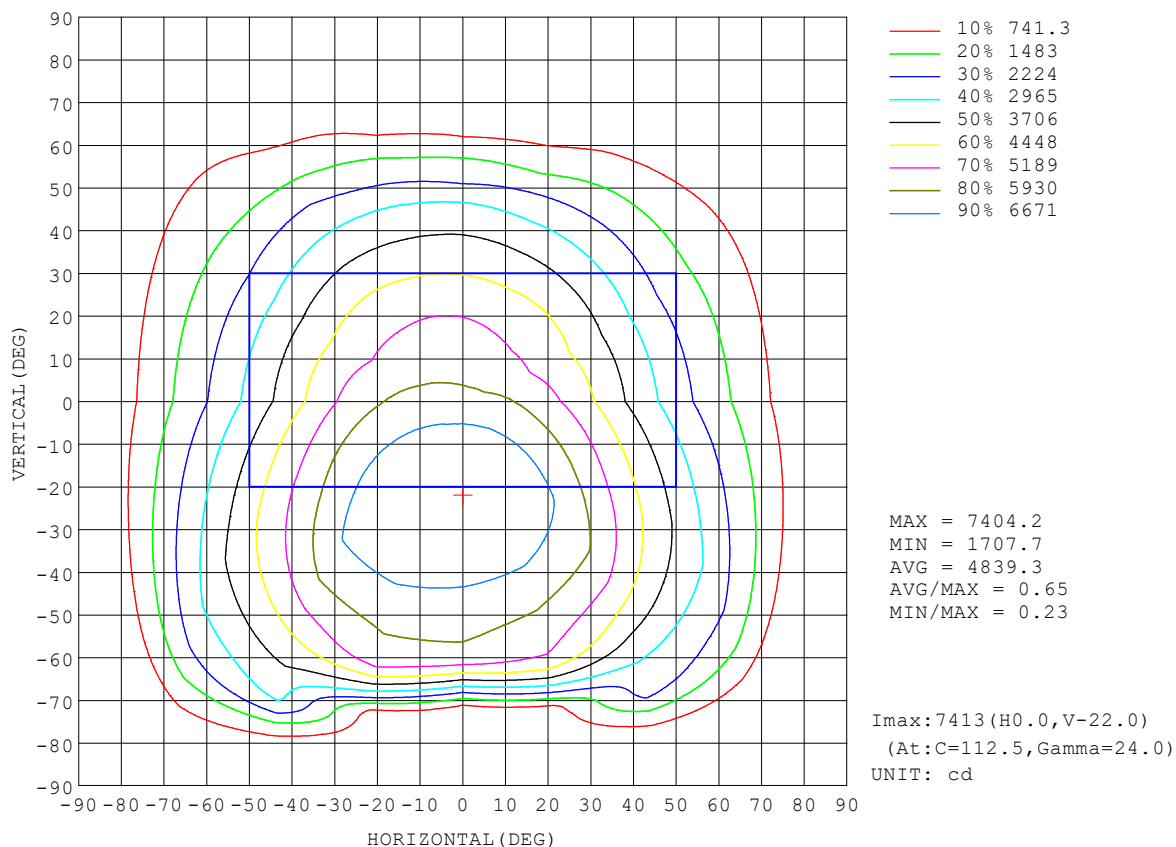
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5982	6672	7041	6834	6207	5679	5532	5551	0- 10	593.2	593.2	3.3,3.27
20	5378	6851	7411	7149	5812	5257	5179	5034	10- 20	1730	2324	12.9,12.8
30	4501	6680	7306	7116	5109	4677	4418	4313	20- 30	2671	4994	27.8,27.5
40	3490	6228	6885	6804	4125	3806	3620	3339	30- 40	3235	8229	45.8,45.3
50	2558	5408	6274	6112	3137	2826	2417	2324	40- 50	3367	11596	64.5,63.8
60	1709	4183	5597	4970	2191	1694	884.2	1184	50- 60	3041	14637	81.4,80.6
70	897.1	2755	1284	3641	1286	567.2	416.9	369.2	60- 70	2209	16846	93.7,92.7
80	252.8	723.2	239.3	1220	469.8	226.9	168.4	162.2	70- 80	962.1	17808	99,98
90	0	0	0	0	0	0	0	0	80- 90	174.5	17983	100,99
100	0	0	0	0	0	0	0	0	90-100	0	17983	100,99
110	0	0	0	0	0	0	0	0	100-110	0	17983	100,99
120	0	0	0	0	0	0	0	0	110-120	0	17983	100,99
130	0	0	0	0	0	0	0	0	120-130	0	17983	100,99
140	0	0	0	0	0	0	0	0	130-140	0	17983	100,99
150	0	0	0	0	0	0	0	0	140-150	0	17983	100,99
160	0	0	0	0	0	0	0	0	150-160	0	17983	100,99
170	0	0	0	0	0	0	0	0	160-170	0	17983	100,99
180	0	0	0	0	0	0	0	0	170-180	0	17983	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

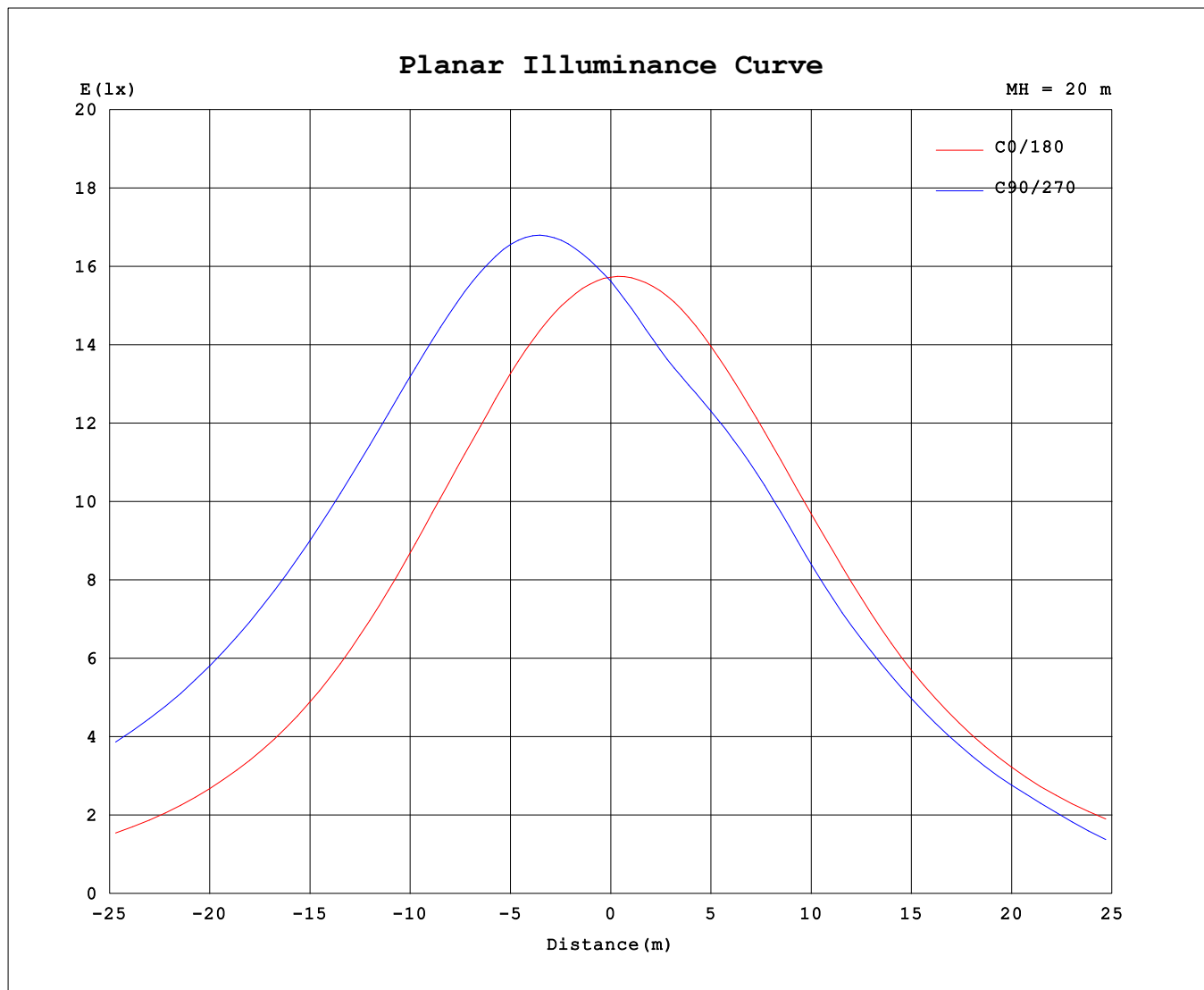
Test:U:120.35V I:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



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



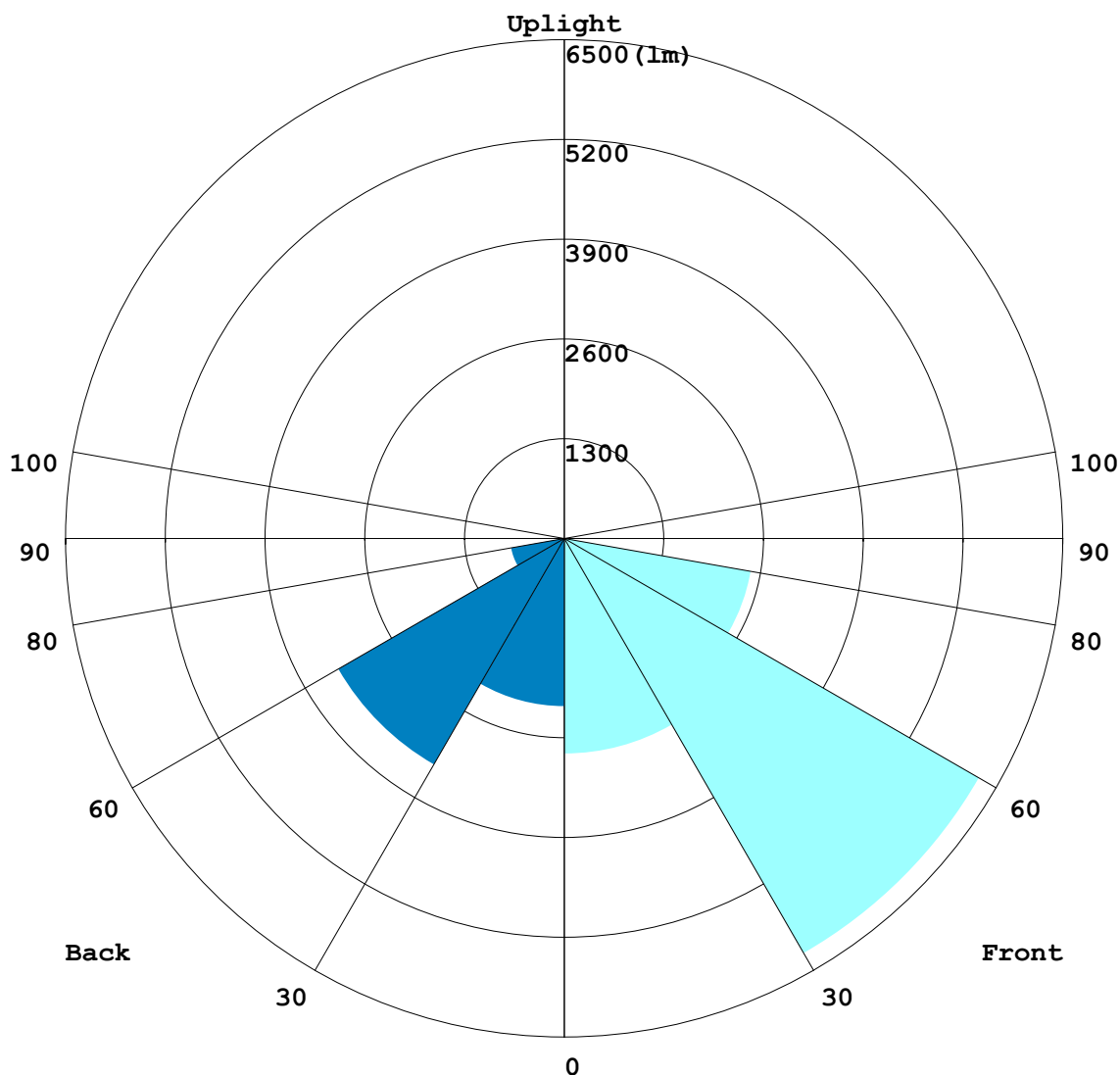
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-22

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:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	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:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	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)	2805.1	15.6
FM - Front-Medium(30-60)	6243	34.7
FH - Front-High(60-80)	2468	13.7
FVH - Front-Very High(80-90)	124.18	0.7
Total Forward Light	11640	64.7

BL - Back-Low(0-30)	2189.1	12.2
BM - Back-Medium(30-60)	3399.9	18.9
BH - Back-High(60-80)	702.99	3.9
BVH - Back-Very High(80-90)	50.362	0.3
Total Back Light	6342.4	35.3

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	6342.4	0	6342.4
Street Side	11640	0	11640

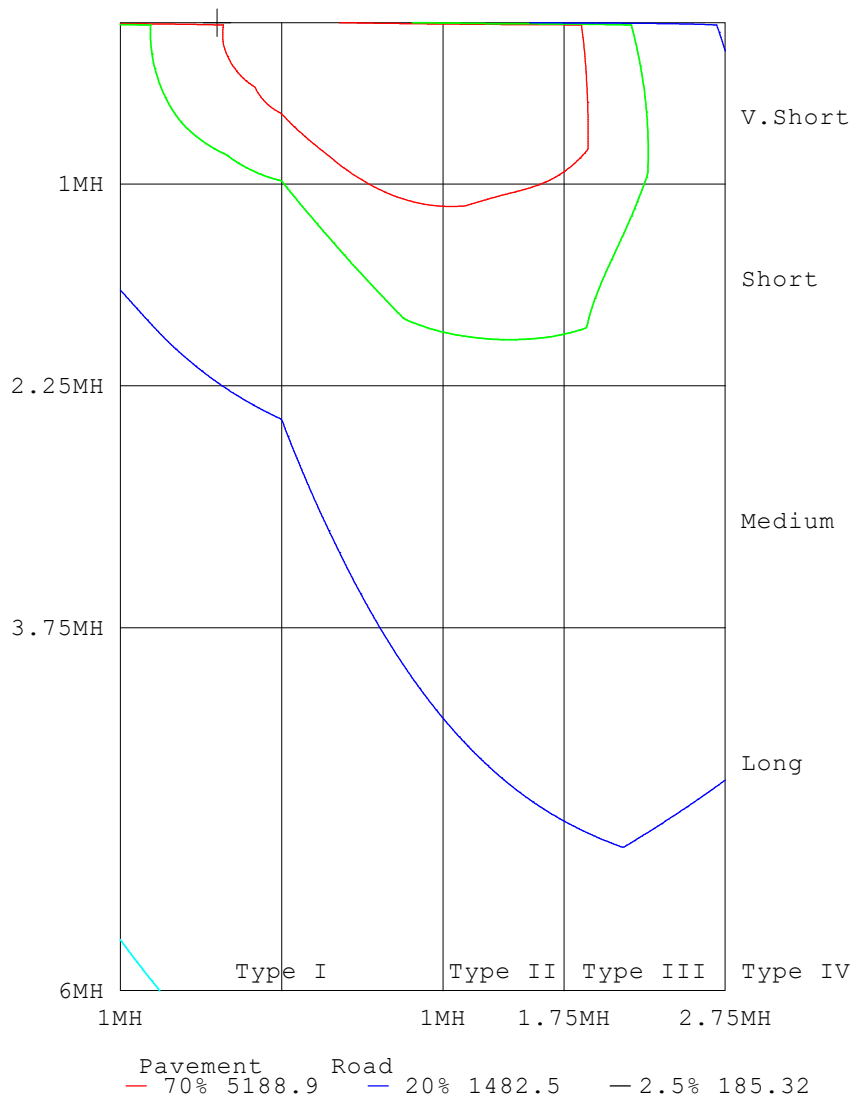
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-22

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:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	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:0.9798A P:117.41W PF:0.9957 Freq:60.01Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:18165.2x1 lm		
NAME: WP28-14-120L-S2D4C3			TYPE: 120W			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	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255			
5	6159	6328	6486	6605	6663	6646	6560	6428	6270	6102	5967	5877	5830	5839	5898	6005			
10	5982	6334	6672	6926	7041	7010	6834	6543	6207	5892	5679	5574	5532	5513	5551	5702			
15	5719	6261	6801	7156	7301	7275	7037	6570	6045	5624	5453	5404	5370	5317	5280	5373			
20	5378	6095	6851	7255	7411	7418	7149	6515	5812	5344	5257	5239	5179	5107	5034	5024			
25	4980	5873	6797	7243	7408	7440	7164	6389	5503	5056	5018	4944	4842	4763	4716	4667			
30	4501	5562	6680	7144	7306	7364	7116	6178	5109	4709	4677	4530	4418	4326	4313	4263			
35	3991	5194	6497	6966	7135	7219	6996	5868	4621	4296	4257	4116	4046	3904	3846	3804			
40	3490	4798	6228	6709	6885	6995	6804	5502	4125	3833	3806	3699	3620	3444	3339	3317			
45	3018	4414	5874	6381	6581	6701	6524	5144	3631	3353	3336	3237	3132	2933	2843	2801			
50	2558	4043	5408	6010	6274	6373	6112	4766	3137	2842	2826	2723	2417	2361	2324	2290			
55	2116	3664	4846	5636	6013	6042	5590	4387	2659	2320	2291	1901	1635	1545	1800	1832			
60	1709	3275	4183	5305	5597	5774	4970	4002	2191	1834	1694	1341	884	1001	1184	1392			
65	1297	2876	3465	4247	3804	4913	4306	3592	1734	1387	1066	679	557	539	724	988			
70	897	2391	2755	2061	1284	2692	3641	3103	1286	989	567	431	417	368	369	623			
75	540	1725	2268	363	288	439	3105	2474	849	589	348	305	329	277	242	316			
80	253	724	723	223	239	263	1220	1426	470	263	227	195	168	163	162	146			
85	63.6	146	174	132	121	177	297	385	180	103	114	62.4	52.6	41.8	45.2	51.0			
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: