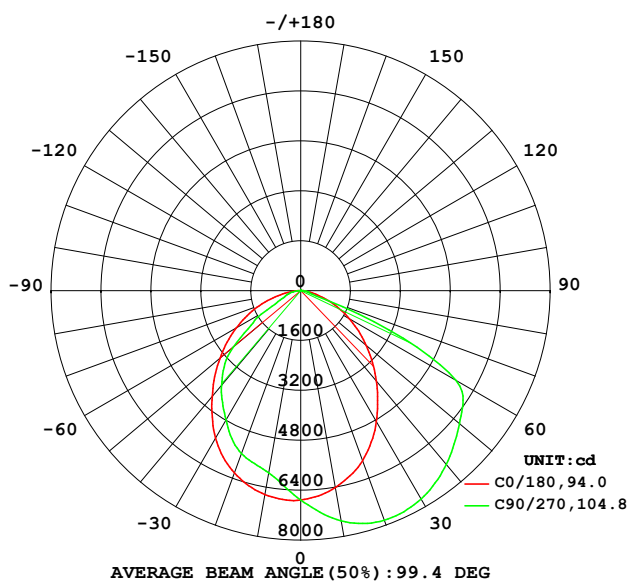
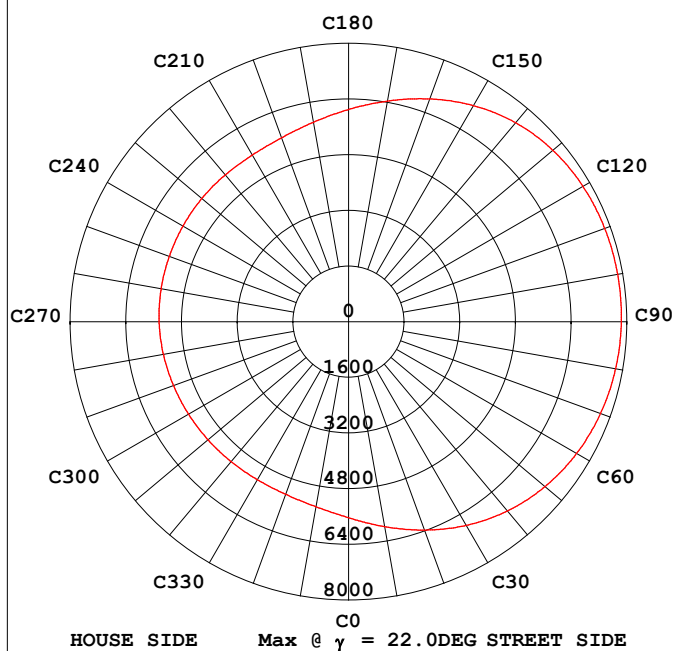


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.29 lm/W			
MODEL	WP28-14-120L-S2D4C3	I _{max} (cd)	7839	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	99.0	η street_down (%)	63.0
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	19173	η house_up (%)	0.0
NOMINAL FLUX (lm)	19362.5	MAXIMUM @ (C, γ)	90,22.0	η house_down (%)	36.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.0	SLI	21.637

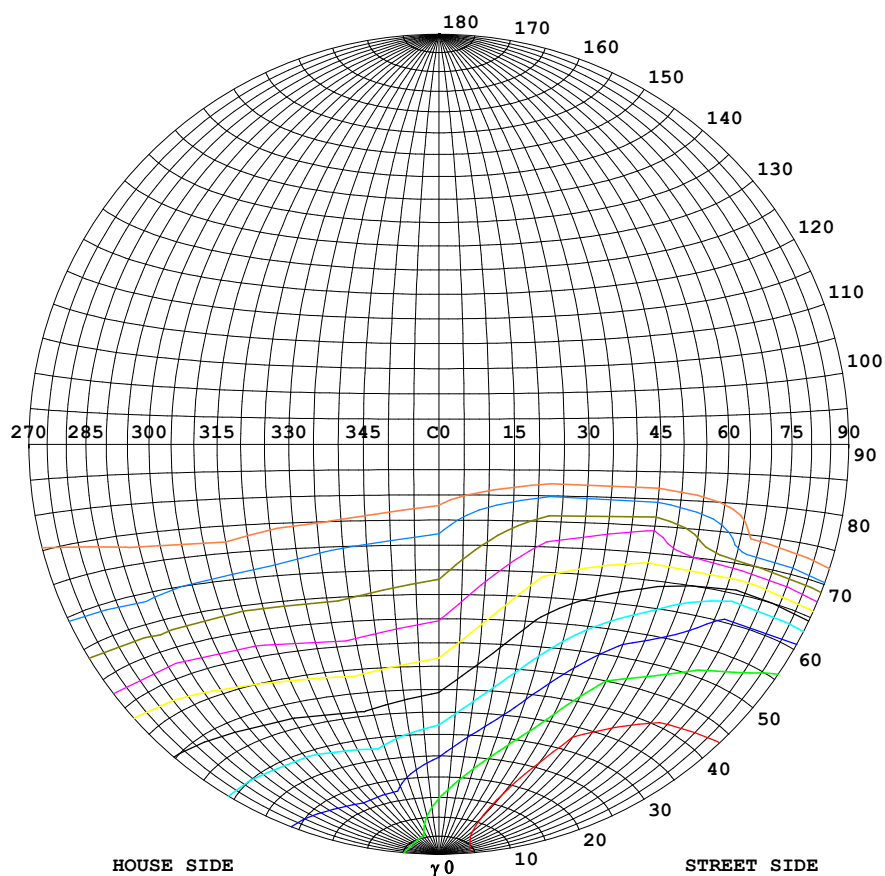
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



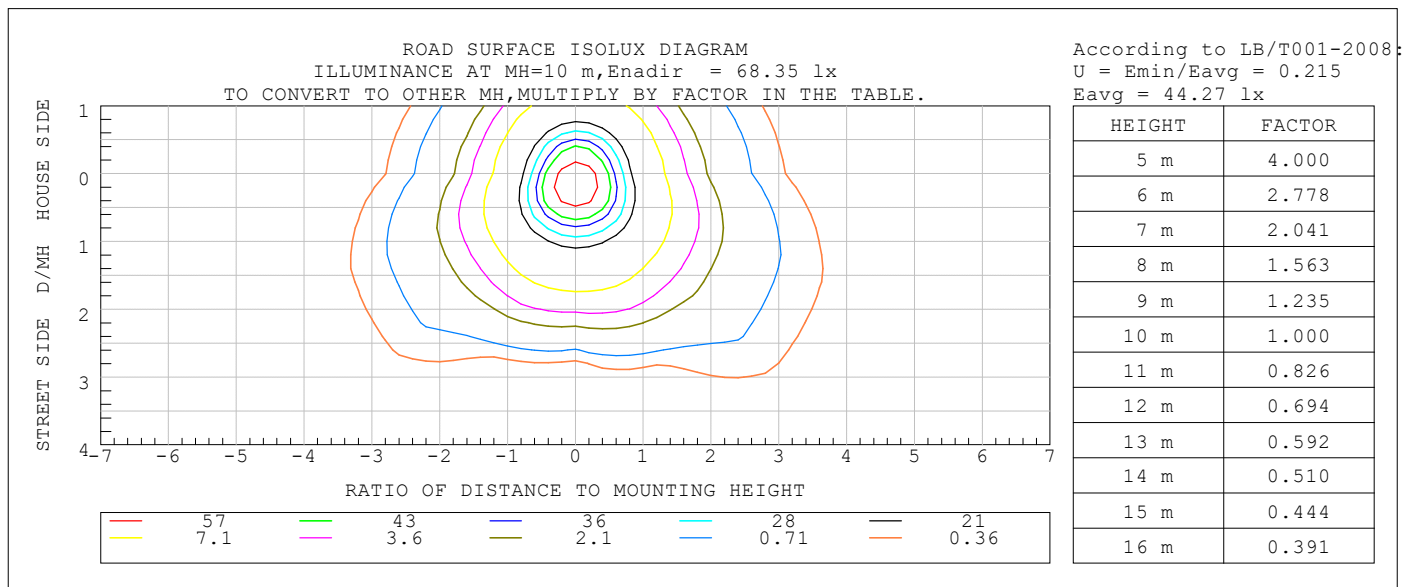
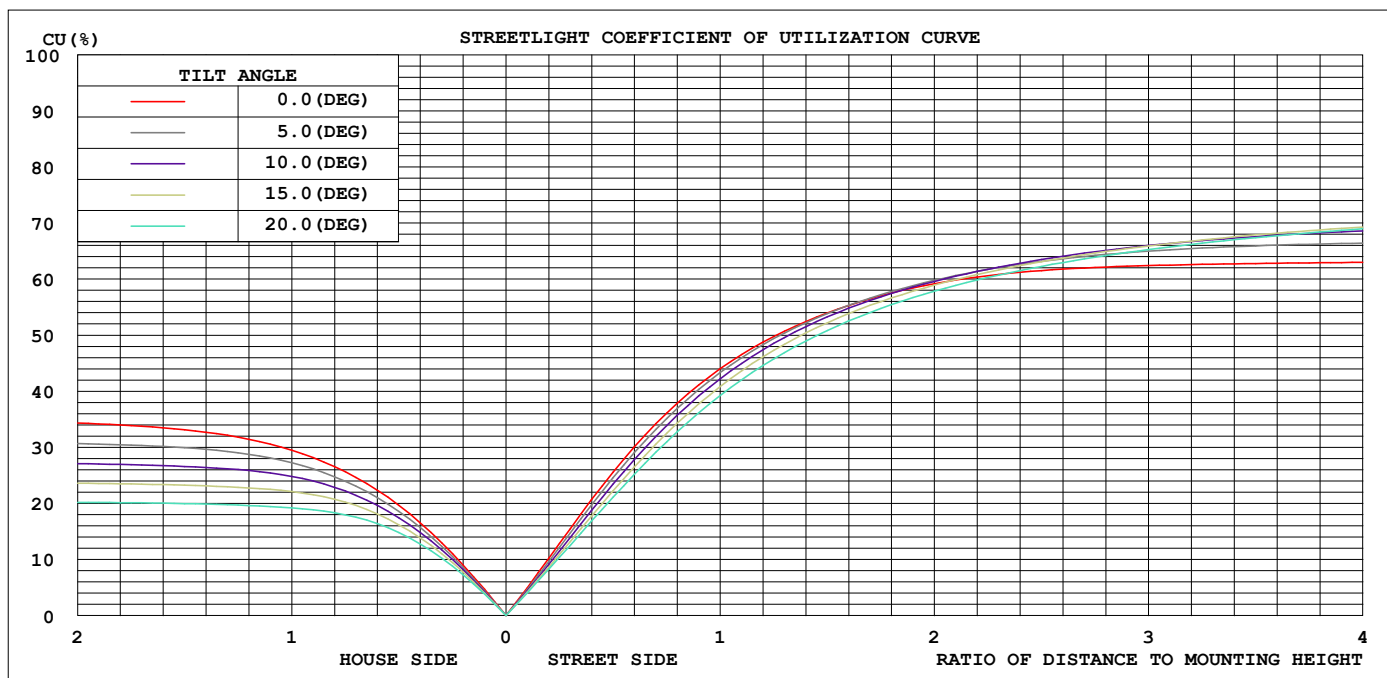
Classification:

IES:Type III - Very Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:78.77cd/klm
Max.At90:0cd/klm
Max.80-90:78.77cd/klm
NRB 5101:Semi limited[11.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7839
90%	7055
80%	6271
70%	5487
60%	4704
50%	3920
40%	3136
30%	2352
20%	1568
10%	784
5%	392

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:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:

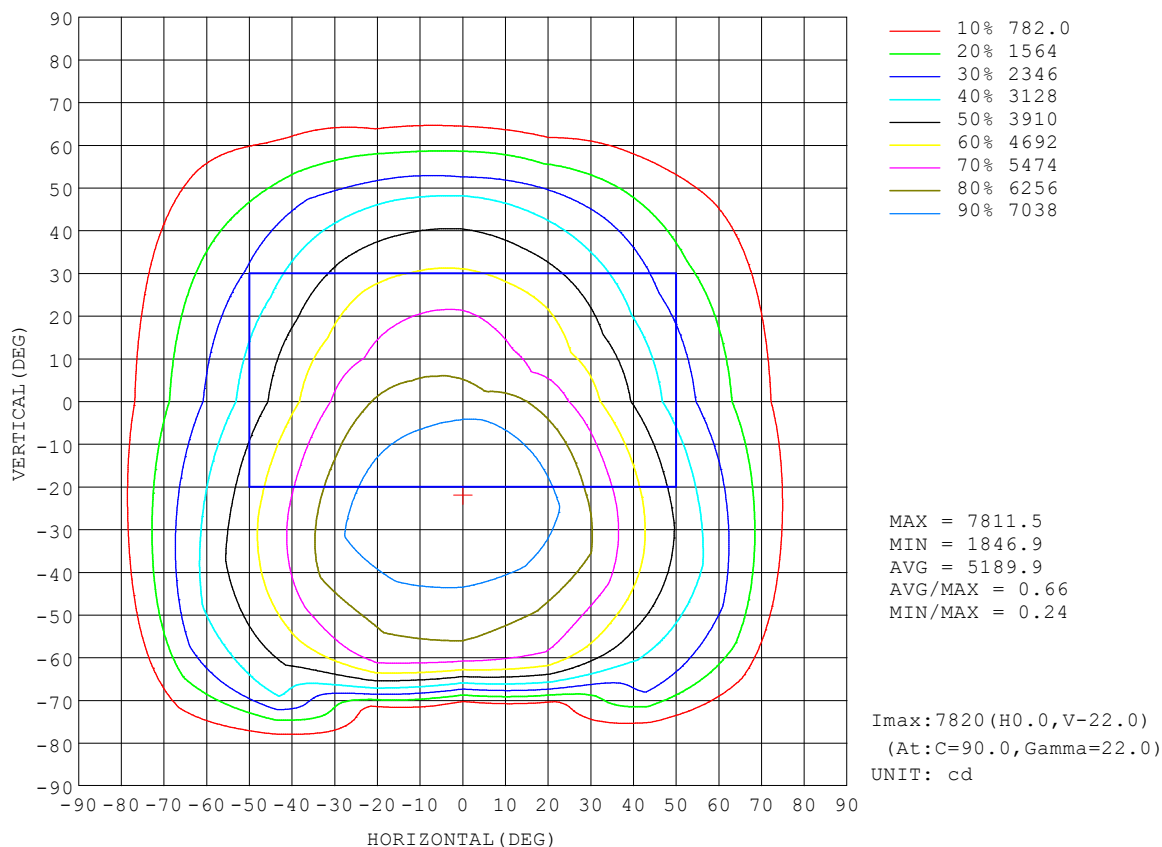
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6409	7114	7494	7271	6637	6080	5927	5952	0- 10	635.3	635.3	3.31,3.28
20	5807	7256	7831	7567	6219	5604	5557	5373	10- 20	1845	2480	12.9,12.8
30	4855	7089	7713	7519	5464	5015	4794	4669	20- 30	2848	5328	27.8,27.5
40	3775	6606	7267	7189	4418	4107	3952	3659	30- 40	3452	8780	45.8,45.3
50	2749	5711	6642	6446	3386	3083	2826	2608	40- 50	3610	12390	64.6,64
60	1808	4384	5738	5264	2384	1944	1261	1431	50- 60	3280	15670	81.7,80.9
70	942.6	2843	883.5	3831	1411	676.3	529.4	482.4	60- 70	2328	17998	93.9,93
80	267.7	653.6	245.1	1162	513.7	258.8	246.4	195.8	70- 80	992.5	18990	99,98.1
90	0	0	0	0	0	0	0	0	80- 90	182.5	19173	100,99
100	0	0	0	0	0	0	0	0	90-100	0	19173	100,99
110	0	0	0	0	0	0	0	0	100-110	0	19173	100,99
120	0	0	0	0	0	0	0	0	110-120	0	19173	100,99
130	0	0	0	0	0	0	0	0	120-130	0	19173	100,99
140	0	0	0	0	0	0	0	0	130-140	0	19173	100,99
150	0	0	0	0	0	0	0	0	140-150	0	19173	100,99
160	0	0	0	0	0	0	0	0	150-160	0	19173	100,99
170	0	0	0	0	0	0	0	0	160-170	0	19173	100,99
180	0	0	0	0	0	0	0	0	170-180	0	19173	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

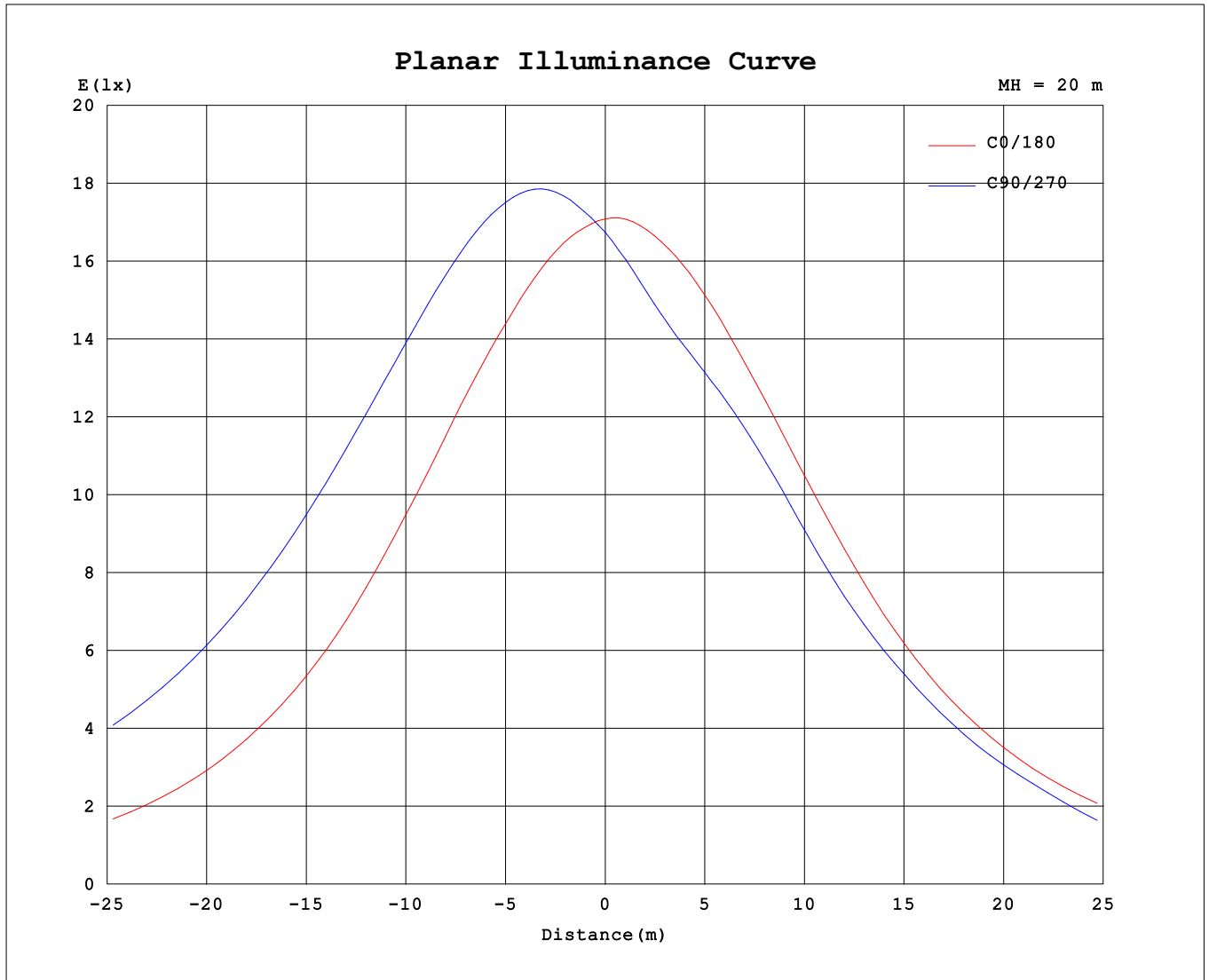
Test:U:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.30*0.1	Shielding Angle:



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



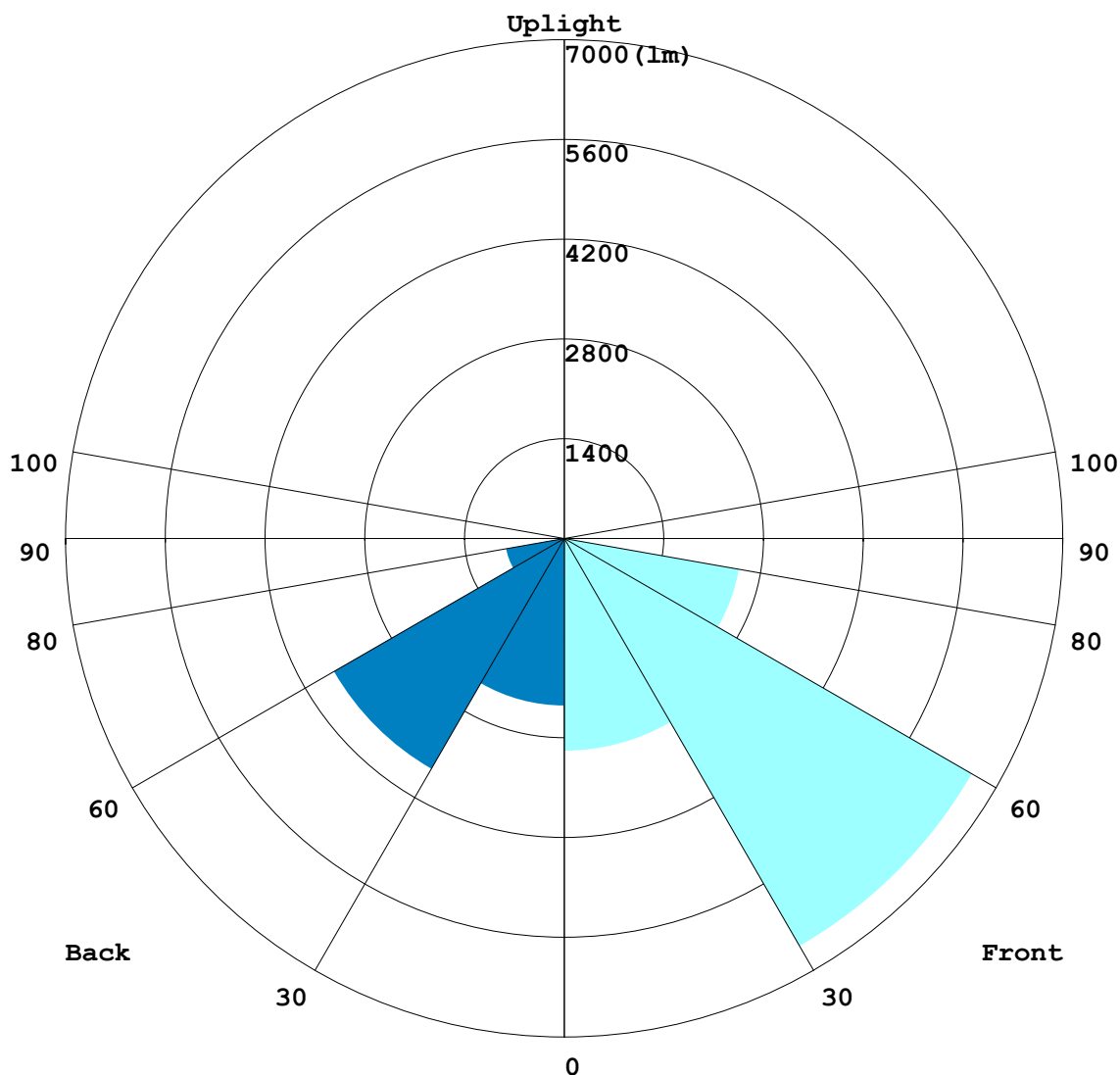
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2025-04-22

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:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	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℃
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:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	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)	2980.2	15.5
FM - Front-Medium(30-60)	6606.3	34.5
FH - Front-High(60-80)	2491.7	13.0
FVH - Front-Very High(80-90)	121.27	0.6
Total Forward Light	12200	63.6

BL - Back-Low(0-30)	2347.7	12.2
BM - Back-Medium(30-60)	3735.5	19.5
BH - Back-High(60-80)	828.54	4.3
BVH - Back-Very High(80-90)	61.207	0.3
Total Back Light	6973	36.4

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	6973	0	6973
Street Side	12200	0	12200

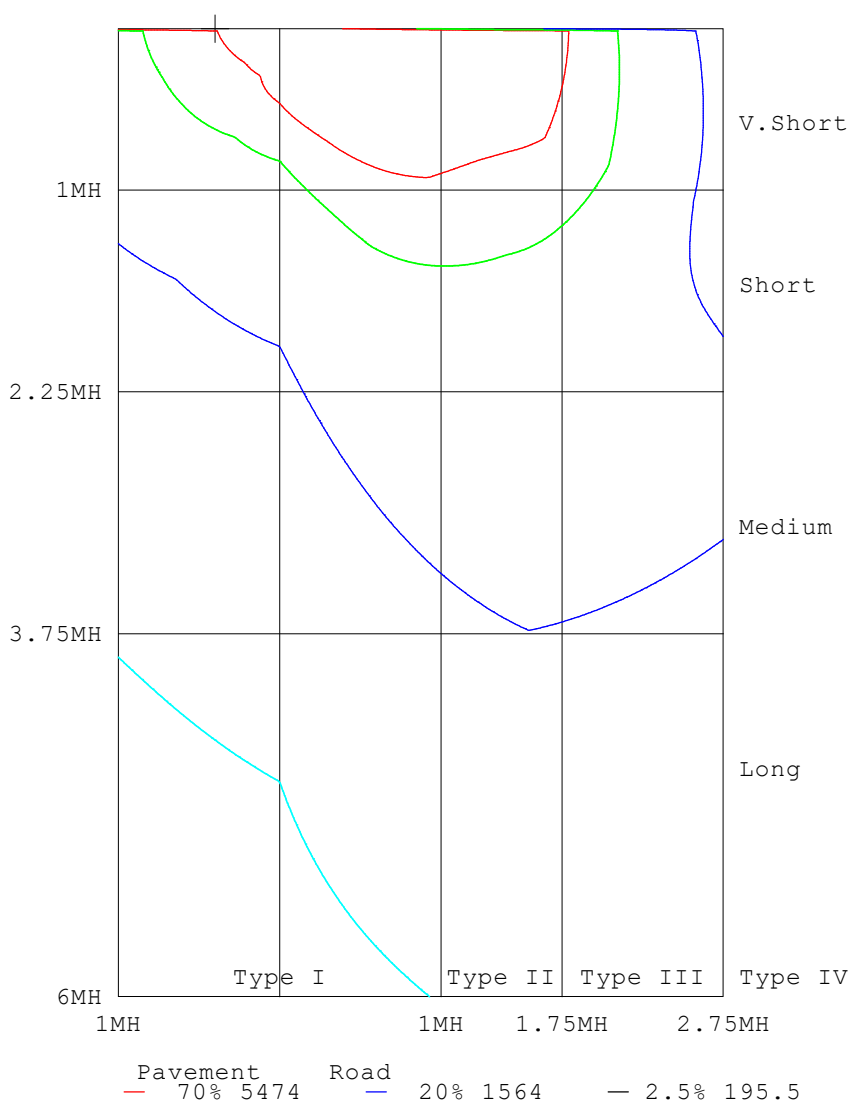
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-22

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:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	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:120.31V I:0.9922A P:118.87W PF:0.9958 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:19362.5x1 lm		
NAME: WP28-14-120L-S2D4C3	TYPE: 120W	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	6712	6712	6712	6712	6712	6712	6712	6712	6712	6712	6712	6712	6712	6712	6712	6712			
5	6603	6770	6929	7059	7129	7109	7017	6881	6722	6557	6422	6329	6278	6279	6329	6436			
10	6409	6770	7114	7373	7494	7474	7271	6965	6637	6315	6080	5980	5927	5901	5952	6117			
15	6141	6691	7229	7588	7724	7704	7462	7003	6476	6033	5816	5775	5743	5674	5641	5763			
20	5807	6556	7256	7671	7831	7809	7567	6952	6219	5722	5604	5585	5557	5457	5373	5418			
25	5360	6306	7210	7651	7820	7814	7581	6818	5891	5401	5358	5298	5235	5132	5072	5018			
30	4855	5963	7089	7549	7713	7739	7519	6573	5464	5030	5015	4882	4794	4683	4669	4580			
35	4306	5552	6888	7351	7525	7594	7397	6244	4948	4591	4575	4440	4379	4226	4185	4098			
40	3775	5151	6606	7079	7267	7362	7189	5865	4418	4112	4107	4014	3952	3782	3659	3578			
45	3251	4730	6213	6738	6962	7063	6878	5472	3903	3610	3609	3541	3479	3300	3144	3052			
50	2749	4309	5711	6353	6642	6721	6446	5078	3386	3077	3083	3026	2826	2759	2608	2513			
55	2268	3896	5108	5962	6350	6385	5914	4666	2882	2538	2529	2192	1942	1916	2080	1996			
60	1808	3475	4384	5550	5738	6063	5264	4269	2384	2026	1944	1564	1261	1322	1431	1529			
65	1365	3003	3613	4166	3638	4877	4576	3830	1894	1558	1220	820	742	700	910	1111			
70	943	2448	2843	1693	884	2423	3831	3320	1411	1118	676	527	529	469	482	750			
75	569	1735	2098	352	272	420	3151	2632	928	691	404	393	401	349	309	400			
80	268	735	654	224	245	265	1162	1525	514	308	259	265	246	224	196	171			
85	66.4	143	153	109	96.6	159	294	428	196	122	137	80.3	77.5	61.1	61.9	56.4			
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: