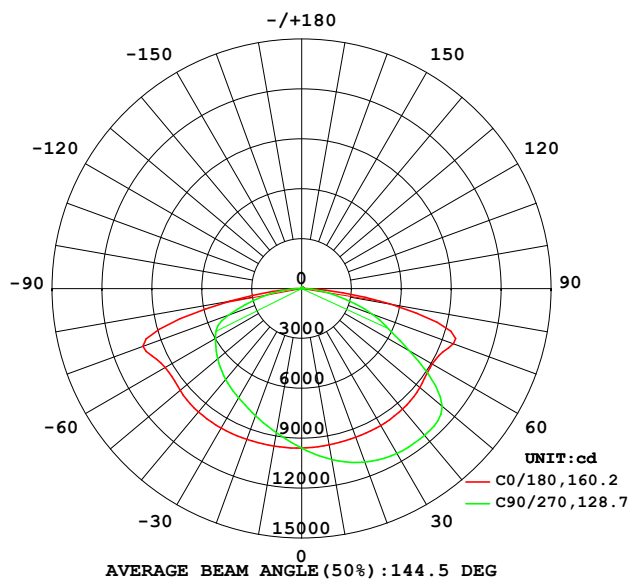
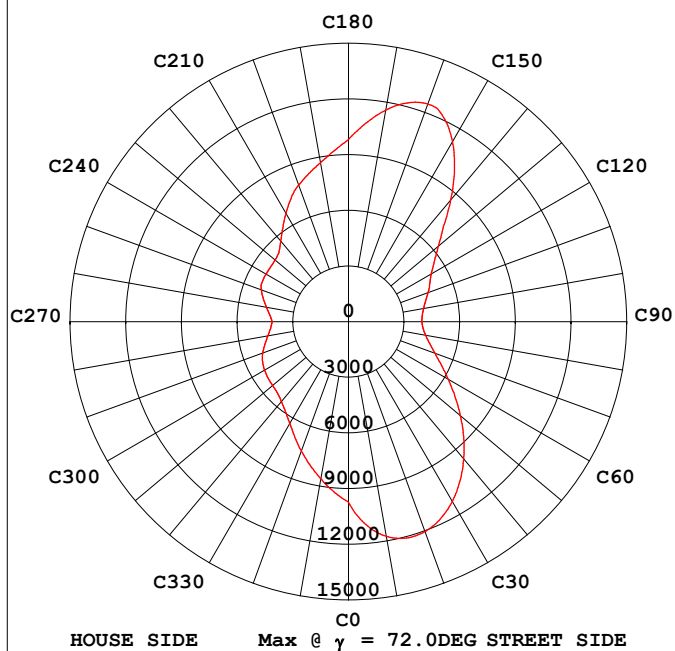


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz		
UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: HAVELLS LIGHTING LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.17 lm/W			
MODEL	HL-AL-MW-MCCT-ML3-300W-BR-PS-XX	Imax (cd)	12459	$\eta$ street_up (%)	0.4
NOMINAL POWER (W)	300	LOR (%)	100.0	$\eta$ street_down (%)	57.0
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	46473	$\eta$ house_up (%)	0.4
NOMINAL FLUX (lm)	46473.3	MAXIMUM @ (C, $\gamma$ )	158,72.0	$\eta$ house_down (%)	42.1
LAMPS INSIDE	1	$\eta$ up (%)	0.9	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.1	SLI	25.635

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

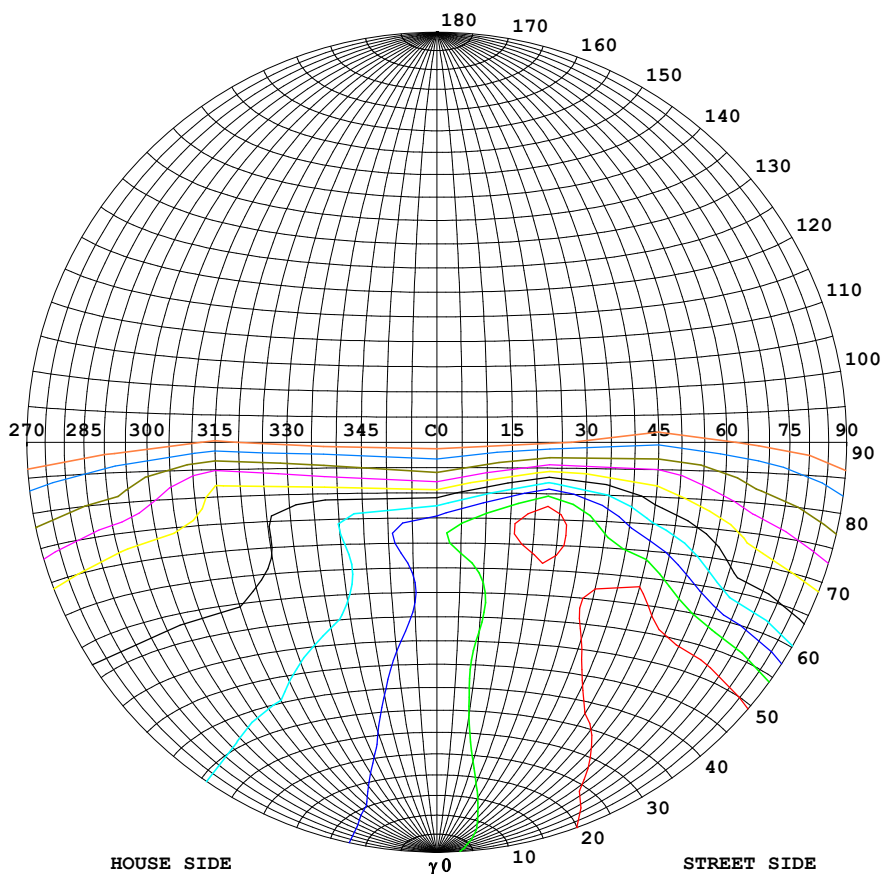
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:21 June 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:6.895m [K=1.0000]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz		
UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

IES:Type IV - Medium  
CIE:Broad - Long  
IES:None cut-off  
CIE:Non-cut-off  
Max.At80:209.1cd/klm  
Max.At90:24.19cd/klm  
Max.80-90:209.1cd/klm

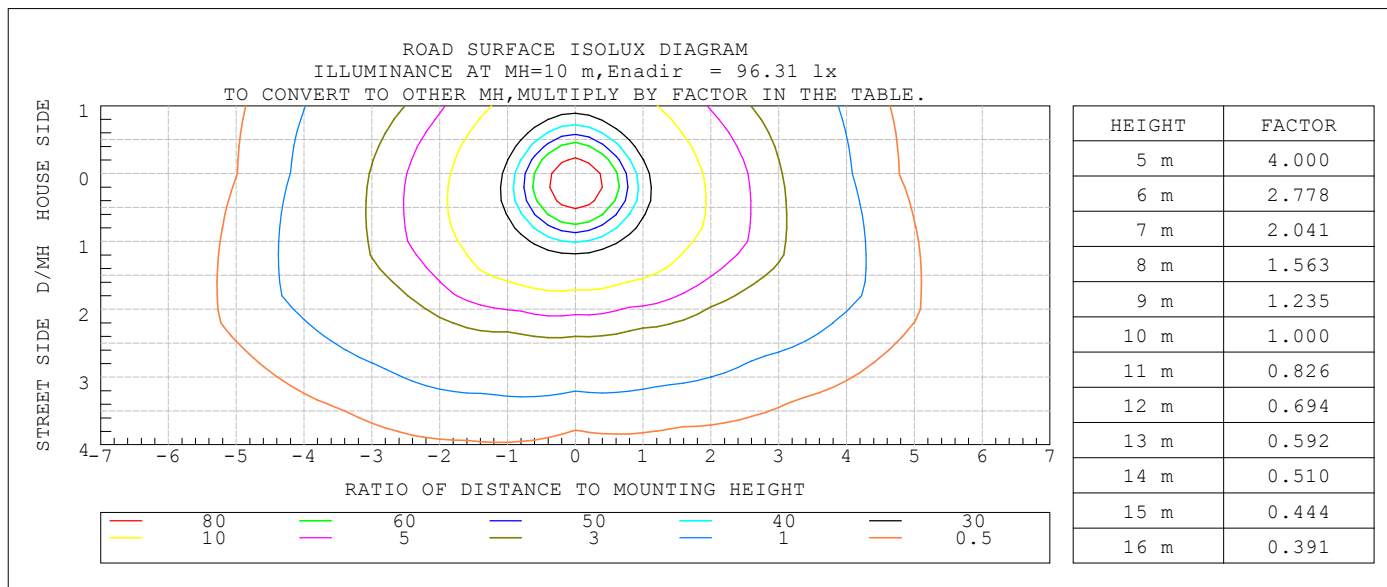
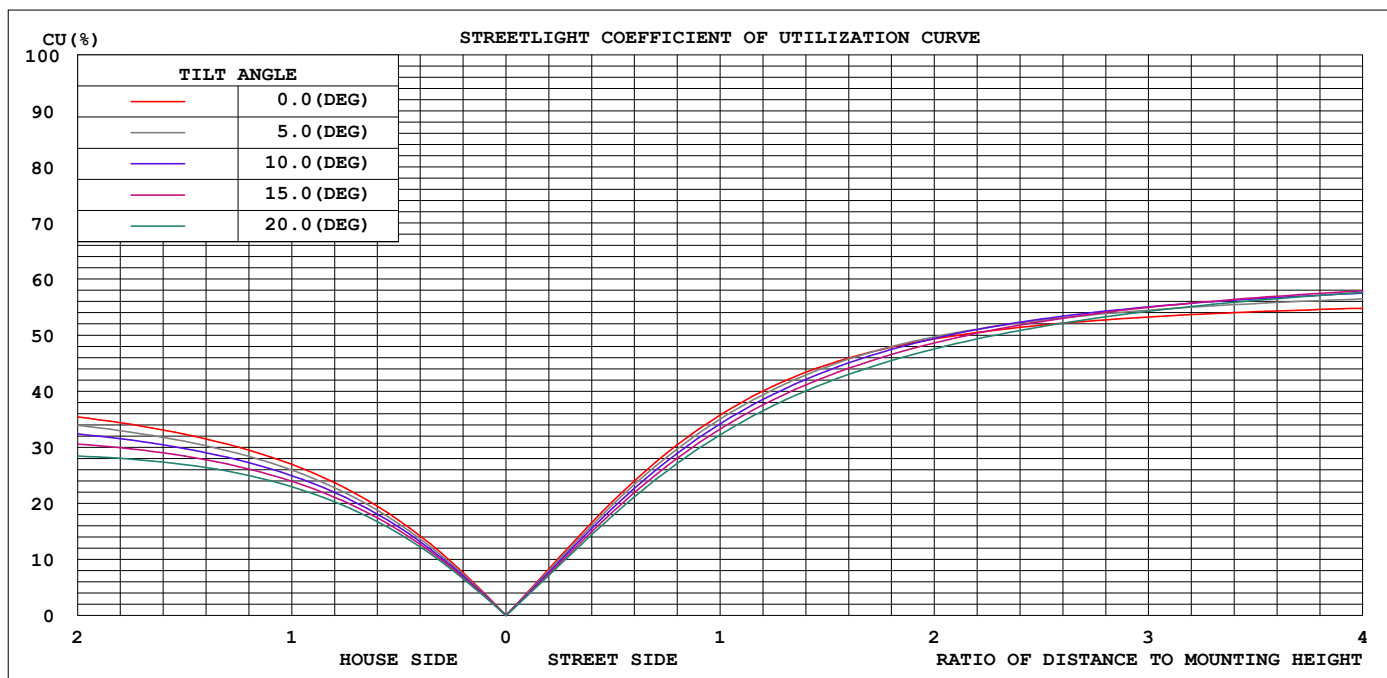
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12459
90%	11213
80%	9968
70%	8722
60%	7476
50%	6230
40%	4984
30%	3738
20%	2492
10%	1246
5%	623

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:21 June 2025

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:6.895m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## 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: 21 June 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.471  
Humidity: 65.0%  
Test Distance: 6.895m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz		
UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	954.2	1017	1044	1019	960.9	900.9	879.9	901.0	0- 10	915.7	915.7	1.97,1.97
20	950.9	1069	1110	1071	964.3	847.0	812.9	847.4	10- 20	2721	3636	7.82,7.82
30	950.8	1108	1145	1108	968.8	796.8	759.3	798.5	20- 30	4432	8068	17.4,17.4
40	944.8	1140	1150	1134	967.3	743.4	712.6	750.3	30- 40	5969	14037	30.2,30.2
50	926.6	1157	1102	1151	952.9	678.8	659.4	690.5	40- 50	7224	21261	45.7,45.7
60	906.9	1170	747.3	1105	948.9	602.9	599.1	618.1	50- 60	7891	29152	62.7,62.7
70	970.5	952.9	456.3	795.5	1016	537.6	470.0	551.1	60- 70	7750	36902	79.4,79.4
80	542.5	575.7	173.5	499.0	438.5	503.3	197.6	525.6	70- 80	6642	43544	93.7,93.7
90	21.81	112.4	11.46	9.184	4.832	3.082	1.593	70.97	80- 90	2524	46067	99.1,99.1
100	6.286	4.291	3.249	3.520	5.906	4.116	2.831	5.299	90-100	80.07	46147	99.3,99.3
110	7.683	5.324	4.266	4.320	7.259	5.552	4.489	6.648	100-110	52.47	46200	99.4,99.4
120	8.524	6.154	4.919	4.929	8.259	6.604	5.884	7.485	110-120	59.73	46260	99.5,99.5
130	8.437	6.425	5.281	5.191	8.460	7.415	6.732	7.688	120-130	59.59	46319	99.7,99.7
140	8.163	6.636	5.506	5.325	8.219	7.839	7.313	7.256	130-140	52.97	46372	99.8,99.8
150	7.954	6.859	5.783	5.420	7.924	7.916	7.431	6.721	140-150	43.21	46415	99.9,99.9
160	7.803	7.144	6.100	5.585	7.762	7.857	7.257	6.389	150-160	31.66	46447	99.9,99.9
170	7.864	7.556	6.497	5.888	7.881	7.965	7.175	6.394	160-170	19.58	46467	100,100
180	7.932	7.849	6.897	6.204	7.933	7.853	6.905	6.208	170-180	6.740	46473	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:21 June 2025

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471

Humidity:65.0%

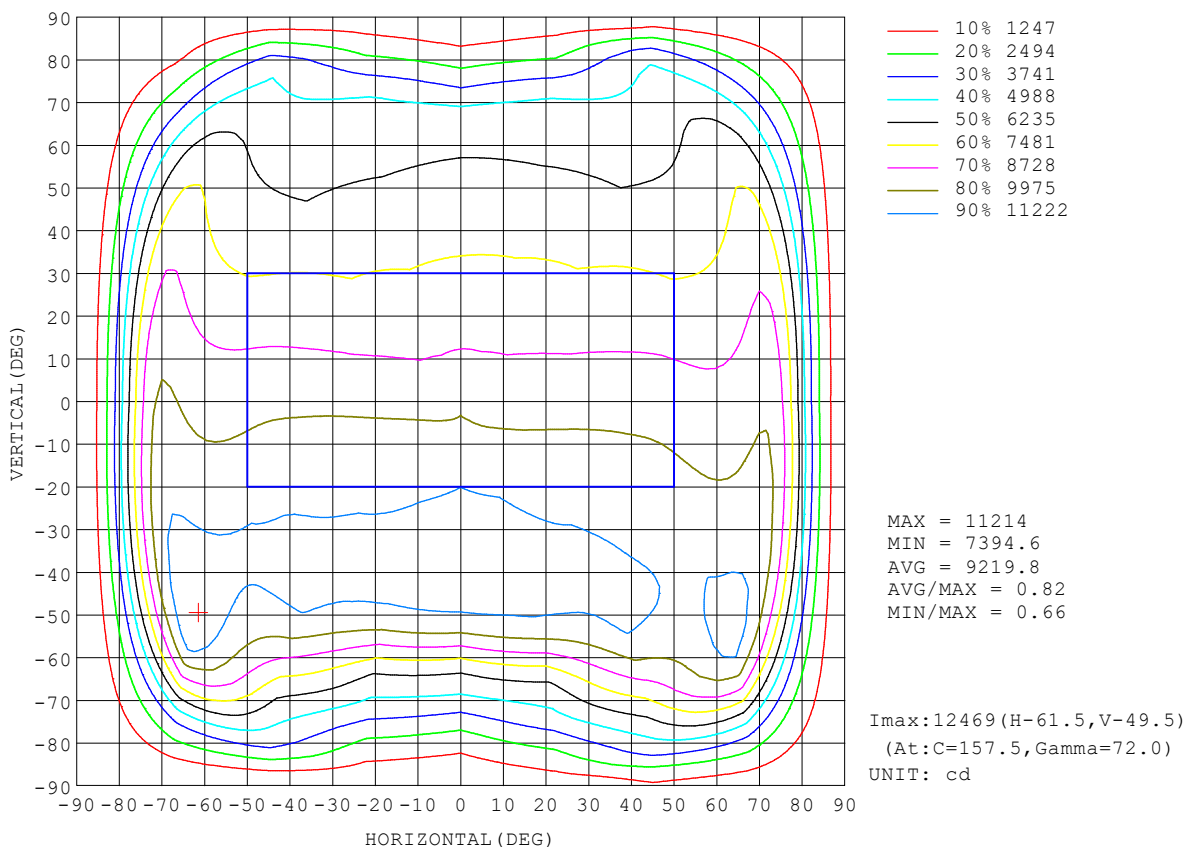
Test Distance:6.895m [K=1.0000]

Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

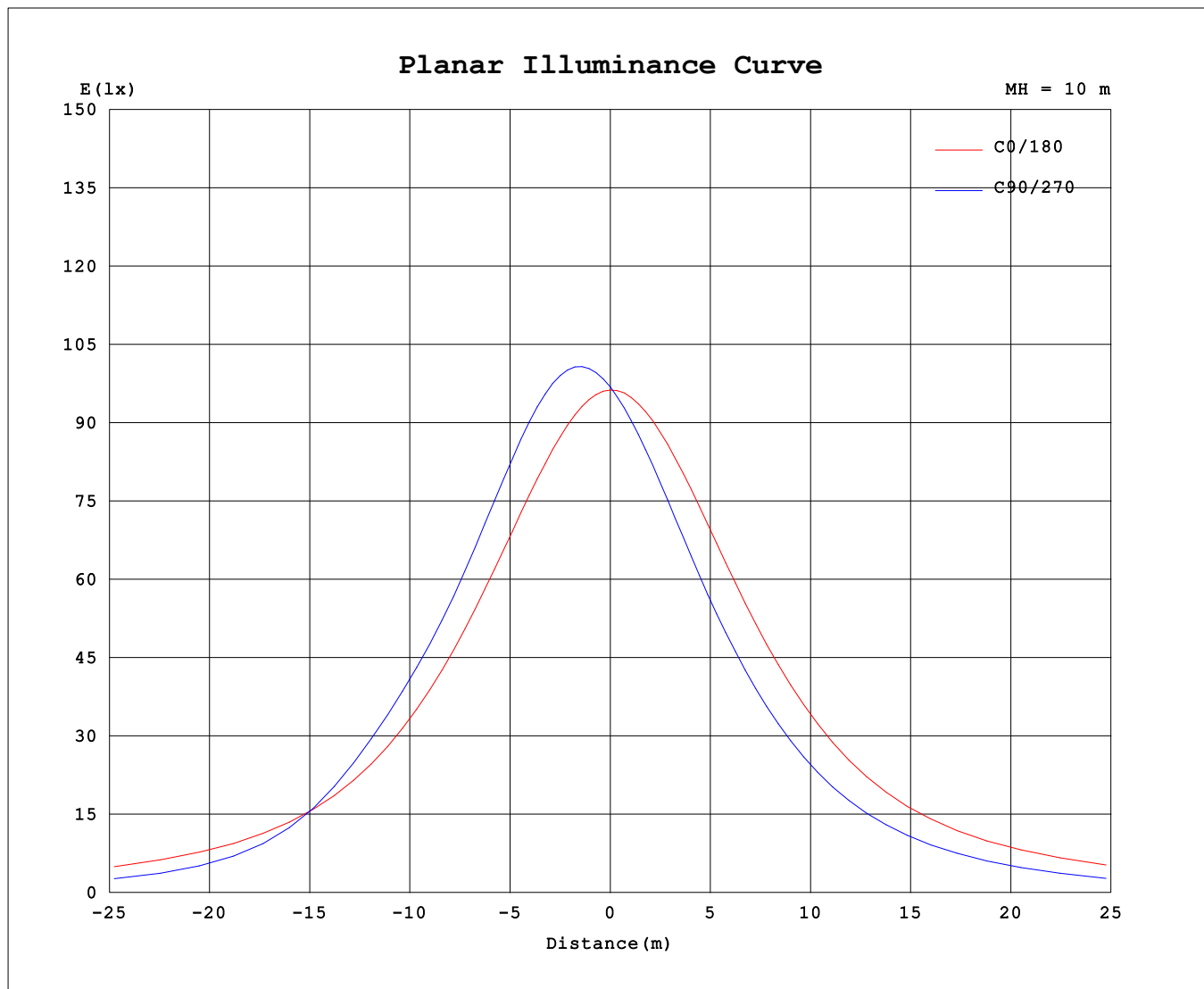
Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:21 June 2025

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:6.895m [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: 21 June 2025

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.471

Humidity: 65.0%

Test Distance: 6.895m [K=1.0000]

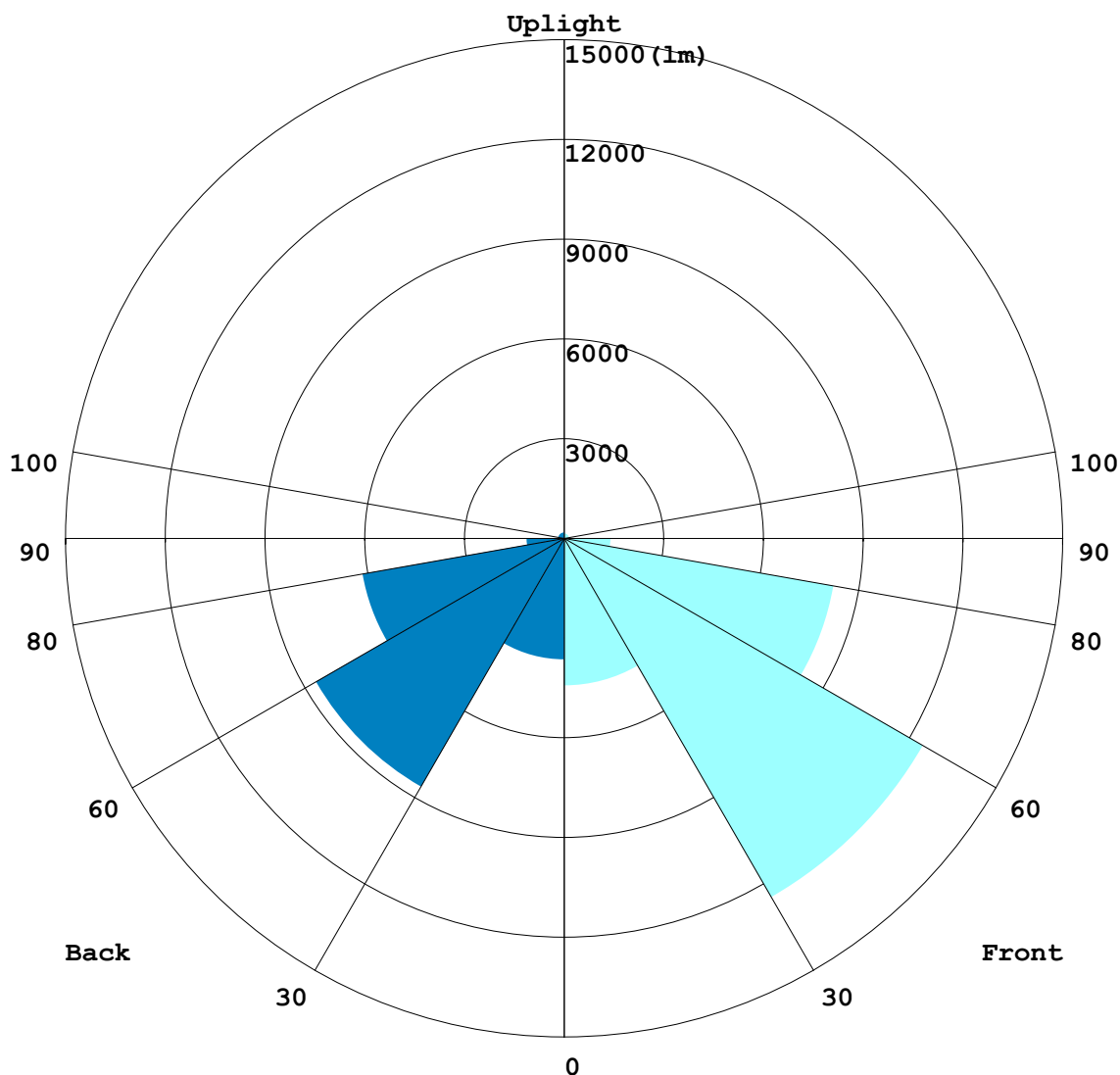
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz		
UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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:21 June 2025

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:6.895m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## BUG REPORT

Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4427.2	9.5
FM - Front-Medium(30-60)	12461	26.8
FH - Front-High(60-80)	8228	17.7
FVH - Front-Very High(80-90)	1393.7	3.0
Total Forward Light	26707	57.5

BL - Back-Low(0-30)	3641.2	7.8
BM - Back-Medium(30-60)	8623.1	18.6
BH - Back-High(60-80)	6163.7	13.3
BVH - Back-Very High(80-90)	1129.9	2.4
Total Back Light	19767	42.5

UL - Uplight-Low(90-100)	80.069	0.2
UH - Uplight-High(100-180)	325.95	0.7
Total Up Light	406.02	0.9

BUG(Back,Up,Glare) Rating	B5-U3-G5
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19558	208.89	19767
Street Side	26509	197.13	26707

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:21 June 2025

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:6.895m [K=1.0000]

Remarks:

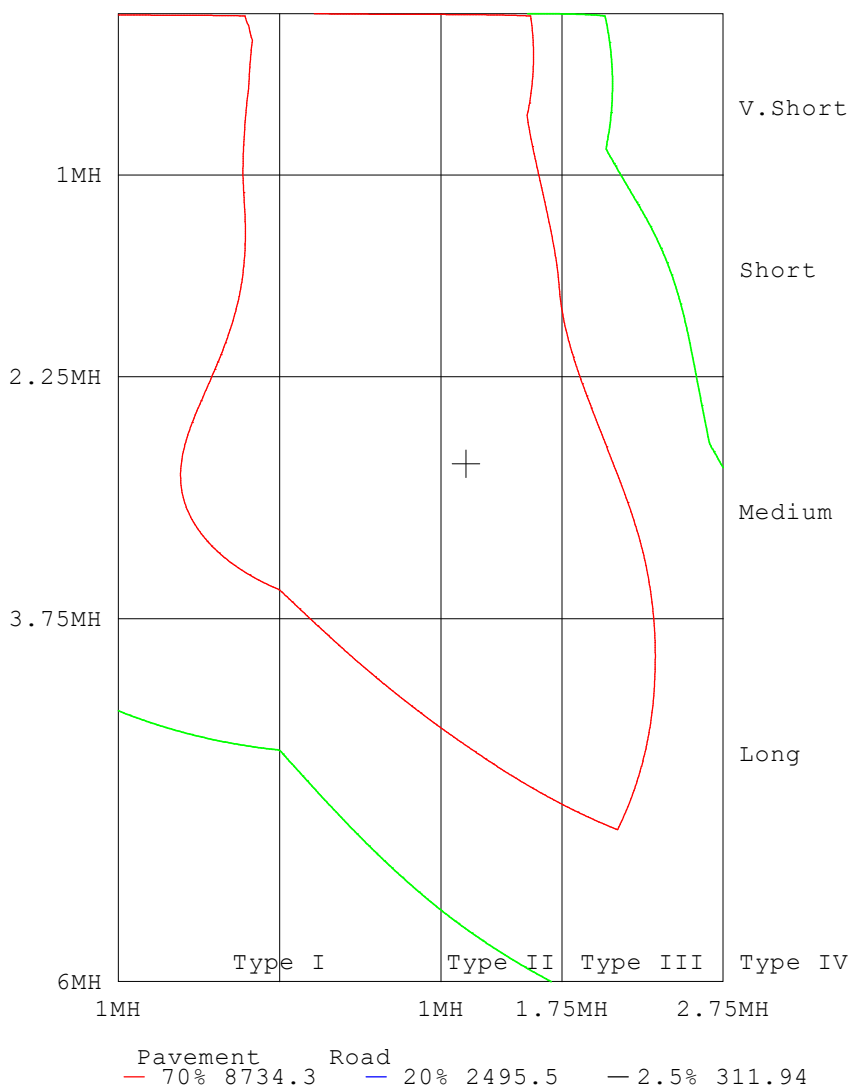


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:21 June 2025

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:6.895m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.48V I:2.4906A P:295.68W PF:0.9936 Freq:60.00Hz		
UTHDi:2.01% ITHDi:8.69% KDisp:0.9979 Lamp Flux:46473.3x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

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	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959			
5	957	970	982	991	993	990	983	972	960	947	935	928	926	929	935	945			
10	954	987	1017	1038	1044	1036	1019	992	961	929	901	884	880	886	901	925			
15	952	998	1039	1067	1074	1064	1041	1006	962	917	879	856	852	860	879	912			
20	951	1016	1069	1103	1110	1097	1071	1027	964	900	847	818	813	823	847	893			
25	951	1029	1086	1121	1128	1114	1088	1041	966	889	827	794	789	800	827	881			
30	951	1048	1108	1140	1145	1131	1108	1062	969	872	797	762	759	770	799	862			
35	950	1060	1121	1148	1150	1136	1120	1076	969	858	776	742	741	753	780	849			
40	945	1078	1140	1152	1150	1137	1134	1096	967	835	743	712	713	725	750	826			
45	940	1090	1148	1153	1147	1137	1139	1109	964	818	719	690	692	705	728	810			
50	927	1097	1157	1147	1102	1116	1151	1115	953	787	679	654	659	669	690	778			
55	915	1096	1167	1101	995	1044	1157	1119	945	764	649	628	636	643	663	753			
60	907	1102	1170	909	747	827	1105	1138	949	738	603	589	599	604	618	719			
65	919	1116	1121	741	606	670	1002	1170	971	733	573	566	572	580	589	703			
70	971	1173	953	558	456	514	795	1238	1016	761	538	535	470	538	551	707			
75	934	1208	801	485	333	418	657	1227	891	736	526	471	354	455	537	724			
80	542	972	576	318	173	242	499	835	438	453	503	299	198	278	526	567			
85	249	539	431	202	94.6	142	362	390	180	214	358	184	105	170	430	333			
90	21.8	51.1	112	46.8	11.5	30.9	9.18	5.21	4.83	40.1	3.08	45.4	1.59	5.05	71.0	28.9			
95	5.05	4.15	3.80	3.01	2.52	2.45	3.00	3.52	4.65	4.70	3.12	2.02	1.96	2.90	4.22	4.20			
100	6.29	5.23	4.29	3.72	3.25	3.11	3.52	4.14	5.91	5.84	4.12	2.83	2.83	4.01	5.30	5.17			
105	6.96	5.79	4.72	4.12	3.70	3.50	3.84	4.43	6.53	6.37	4.73	3.43	3.48	4.74	5.92	5.56			
110	7.68	6.44	5.32	4.65	4.27	4.01	4.32	4.84	7.26	7.08	5.55	4.38	4.49	5.76	6.65	5.96			
115	8.09	6.85	5.74	4.99	4.57	4.34	4.63	5.10	7.69	7.54	6.02	4.96	5.11	6.33	7.06	6.25			
120	8.52	7.34	6.15	5.32	4.92	4.76	4.93	5.25	8.26	8.13	6.60	5.74	5.88	6.99	7.49	6.67			
125	8.60	7.54	6.29	5.44	5.11	4.97	5.07	5.28	8.47	8.34	6.95	6.16	6.28	7.22	7.63	6.81			
130	8.44	7.57	6.42	5.59	5.28	5.15	5.19	5.32	8.46	8.44	7.42	6.69	6.73	7.39	7.69	6.78			
135	8.31	7.53	6.51	5.69	5.36	5.23	5.26	5.35	8.37	8.45	7.64	7.01	7.00	7.45	7.58	6.67			
140	8.16	7.51	6.64	5.89	5.51	5.36	5.33	5.39	8.22	8.40	7.84	7.37	7.31	7.49	7.26	6.43			
145	8.08	7.52	6.72	6.03	5.63	5.47	5.36	5.42	8.11	8.33	7.90	7.50	7.43	7.43	7.02	6.27			
150	7.95	7.51	6.86	6.24	5.78	5.57	5.42	5.44	7.92	8.16	7.92	7.56	7.43	7.21	6.72	6.02			
155	7.87	7.52	6.97	6.38	5.90	5.65	5.48	5.47	7.82	8.06	7.89	7.55	7.36	7.04	6.56	5.91			
160	7.80	7.57	7.14	6.61	6.10	5.80	5.59	5.52	7.76	7.97	7.86	7.52	7.26	6.84	6.39	5.83			
165	7.80	7.64	7.29	6.79	6.26	5.93	5.68	5.59	7.78	7.98	7.87	7.51	7.20	6.79	6.35	5.85			
170	7.86	7.83	7.56	7.02	6.50	6.13	5.89	5.75	7.88	8.04	7.96	7.57	7.17	6.76	6.39	5.96			
175	7.93	7.94	7.69	7.17	6.67	6.28	6.04	5.85	7.94	8.07	7.96	7.53	7.11	6.70	6.35	6.00			
180	7.93	8.01	7.85	7.37	6.90	6.50	6.20	5.94	7.93	8.02	7.85	7.38	6.91	6.50	6.21	5.95			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:21 June 2025

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:6.895m [K=1.0000]

Remarks: