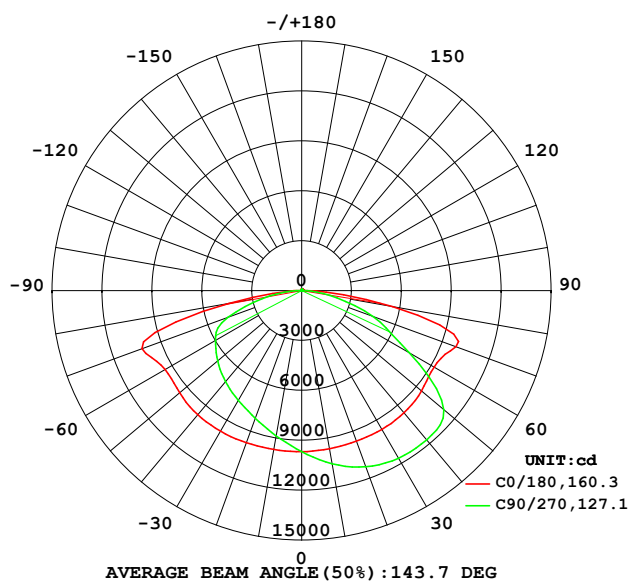
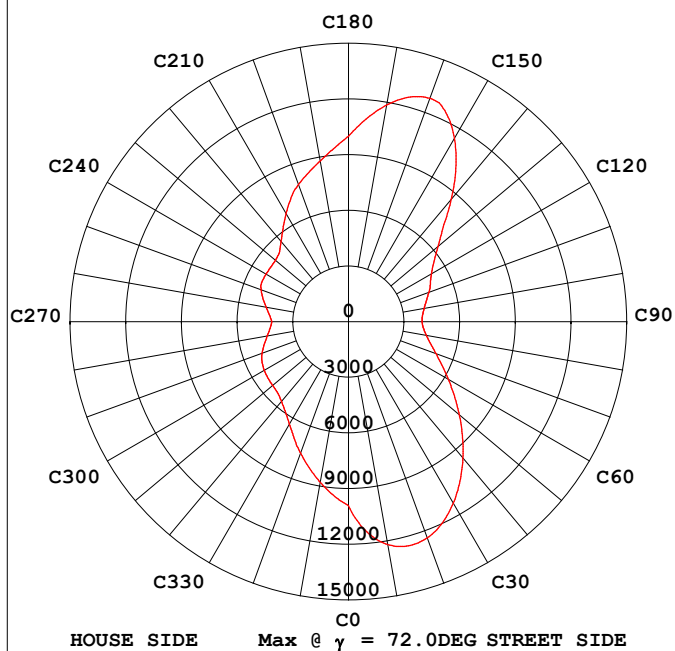


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz		
UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: HAVELLS LIGHTING LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.16 lm/W			
MODEL	HL-AL-MW-MCCT-ML3-300W-BR-PS-XX	Imax (cd)	12774	$\eta$ street_up (%)	0.5
NOMINAL POWER (W)	300	LOR (%)	100.0	$\eta$ street_down (%)	57.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	46972	$\eta$ house_up (%)	0.5
NOMINAL FLUX (lm)	46972	MAXIMUM @ (C, $\gamma$ )	158,72.0	$\eta$ house_down (%)	41.8
LAMPS INSIDE	1	$\eta$ up (%)	0.9	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.1	SLI	25.668

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

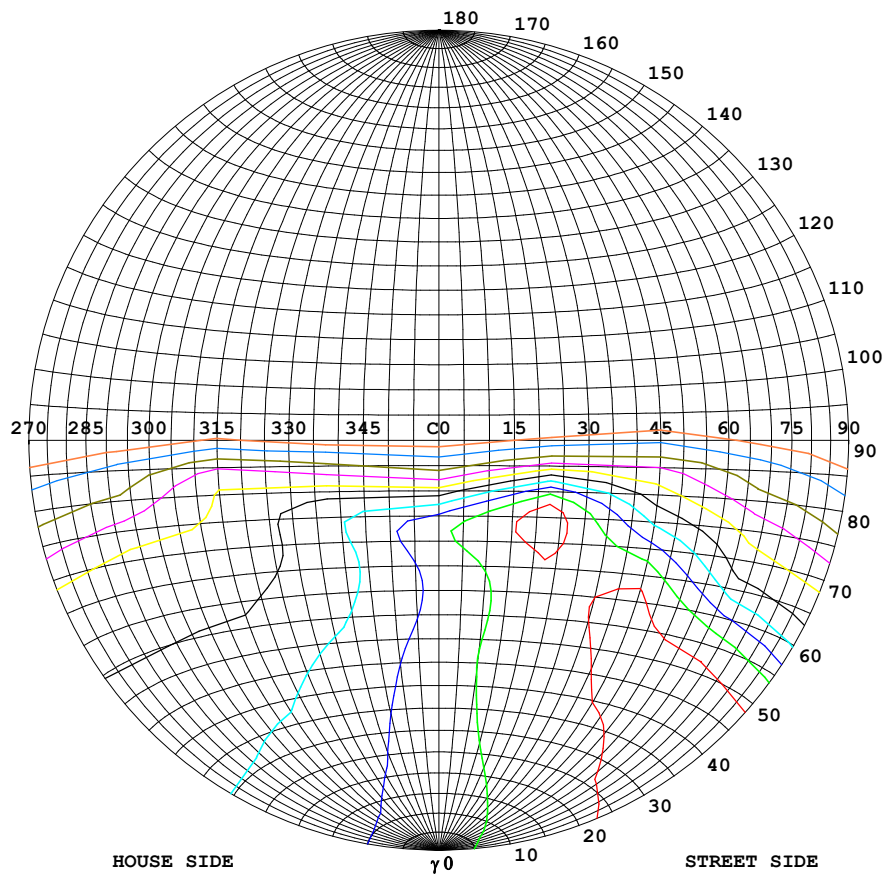
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:21 June 2025

$\gamma$  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:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 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.At80:212.5cd/klm  
 Max.At90:24.79cd/klm  
 Max.80-90:212.5cd/klm

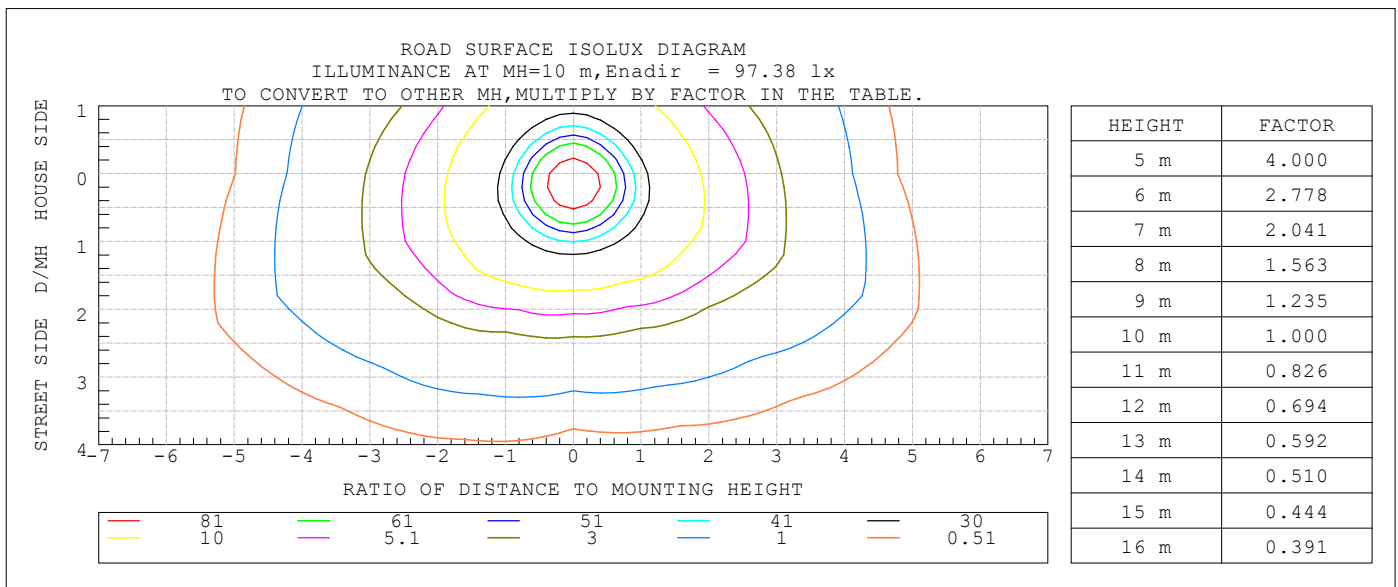
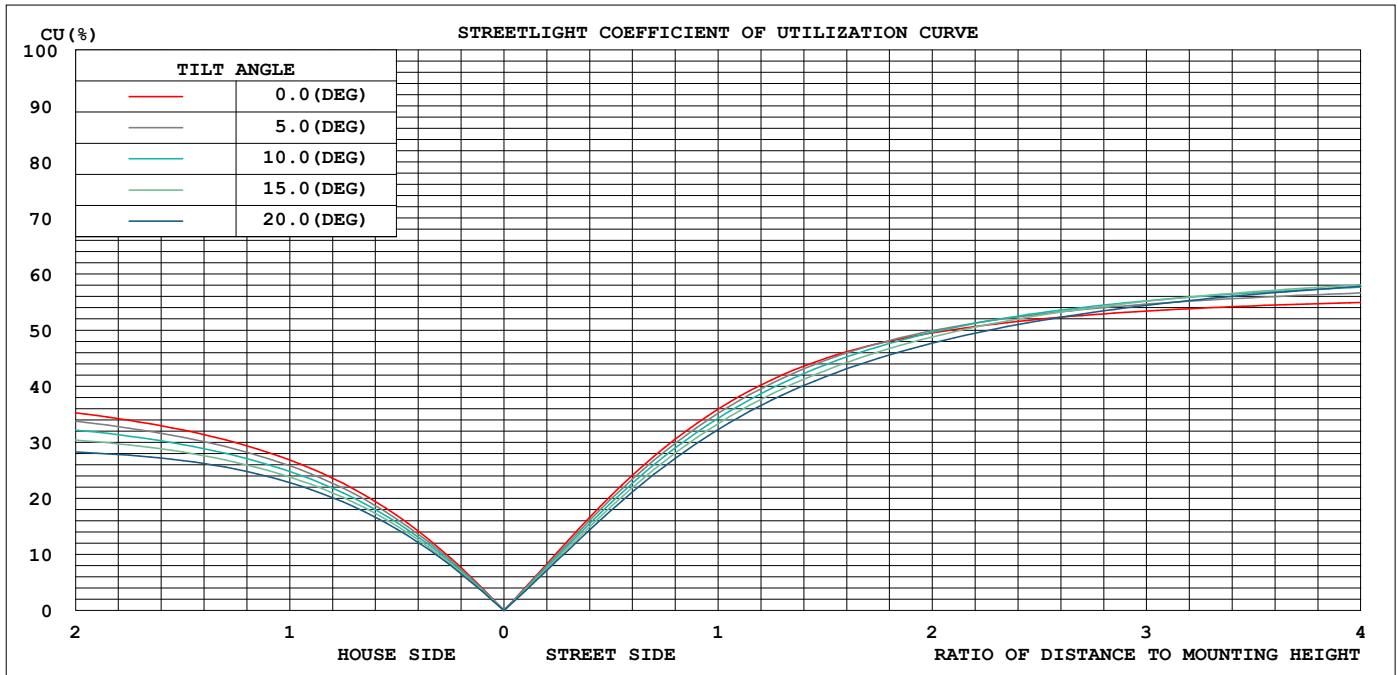
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12774
90%	11497
80%	10219
70%	8942
60%	7664
50%	6387
40%	5110
30%	3832
20%	2555
10%	1277
5%	639

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 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: MEDIUM  
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:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 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	964.7	1030	1057	1031	969.8	908.3	886.8	908.9	0- 10	925.2	925.2	1.97,1.97
20	963.0	1084	1127	1086	973.0	852.8	817.5	854.0	10- 20	2750	3675	7.82,7.82
30	963.9	1127	1164	1125	976.8	800.6	762.2	804.0	20- 30	4482	8158	17.4,17.4
40	958.2	1160	1170	1152	973.4	745.5	713.8	754.3	30- 40	6037	14195	30.2,30.2
50	940.3	1178	1117	1170	957.2	678.7	659.6	693.2	40- 50	7306	21501	45.8,45.8
60	919.5	1188	745.8	1124	949.9	601.0	599.5	619.8	50- 60	7963	29464	62.7,62.7
70	986.5	949.1	458.2	795.6	1023	534.7	472.1	550.6	60- 70	7801	37265	79.3,79.3
80	554.8	574.1	172.6	511.5	444.6	503.1	198.4	522.9	70- 80	6719	43983	93.6,93.6
90	22.75	116.5	11.74	8.992	5.155	3.425	1.949	74.35	80- 90	2554	46537	99.1,99.1
100	6.751	4.673	3.614	3.897	6.354	4.480	3.199	5.741	90-100	87.51	46625	99.3,99.3
110	8.149	5.708	4.631	4.706	7.720	5.940	4.873	7.115	100-110	56.69	46681	99.4,99.4
120	9.013	6.535	5.284	5.303	8.737	7.005	6.292	7.953	110-120	63.78	46745	99.5,99.5
130	8.907	6.799	5.651	5.558	8.940	7.834	7.170	8.150	120-130	63.32	46808	99.7,99.7
140	8.627	7.026	5.886	5.693	8.689	8.276	7.768	7.703	130-140	56.20	46865	99.8,99.8
150	8.414	7.261	6.174	5.793	8.391	8.368	7.894	7.150	140-150	45.87	46910	99.9,99.9
160	8.261	7.562	6.504	5.968	8.226	8.313	7.720	6.805	150-160	33.64	46944	99.9,99.9
170	8.324	7.988	6.918	6.281	8.345	8.420	7.627	6.807	160-170	20.80	46965	100,100
180	8.392	8.290	7.335	6.608	8.401	8.297	7.345	6.614	170-180	7.153	46972	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

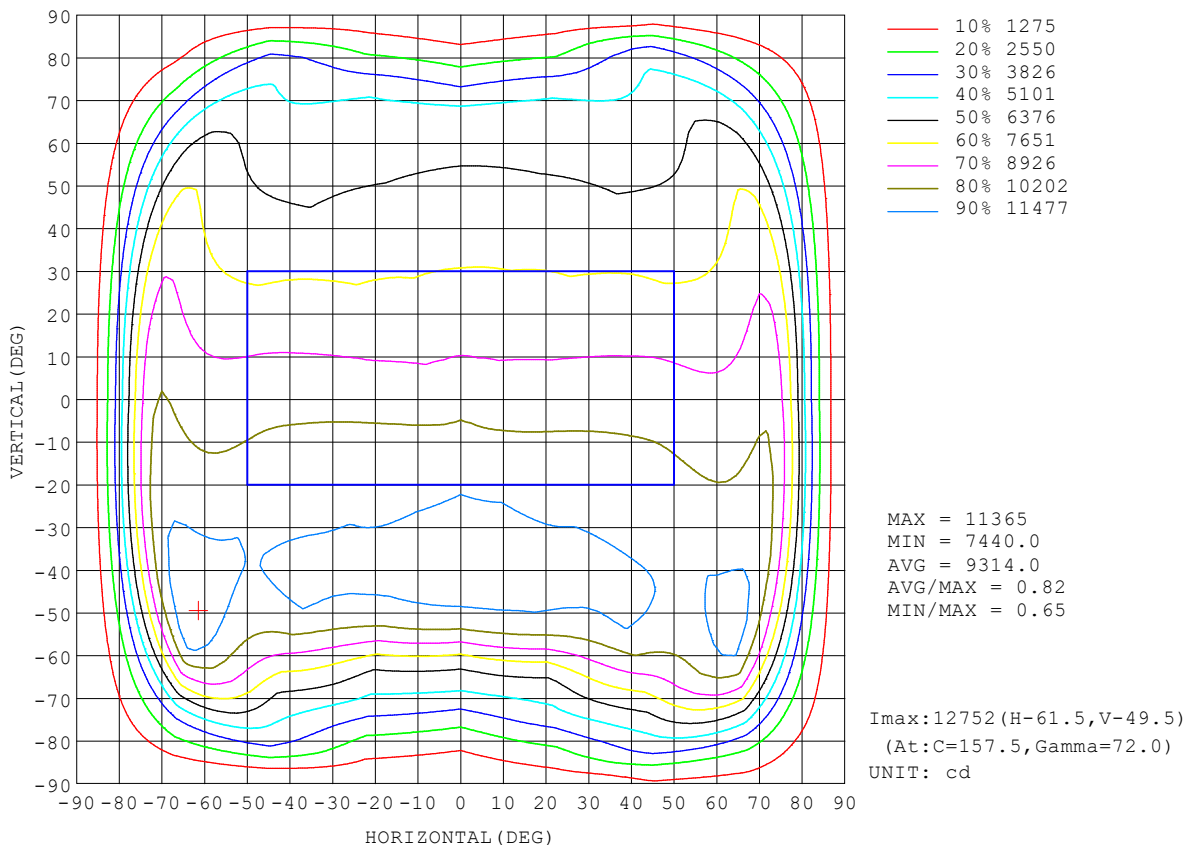
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:21 June 2025

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

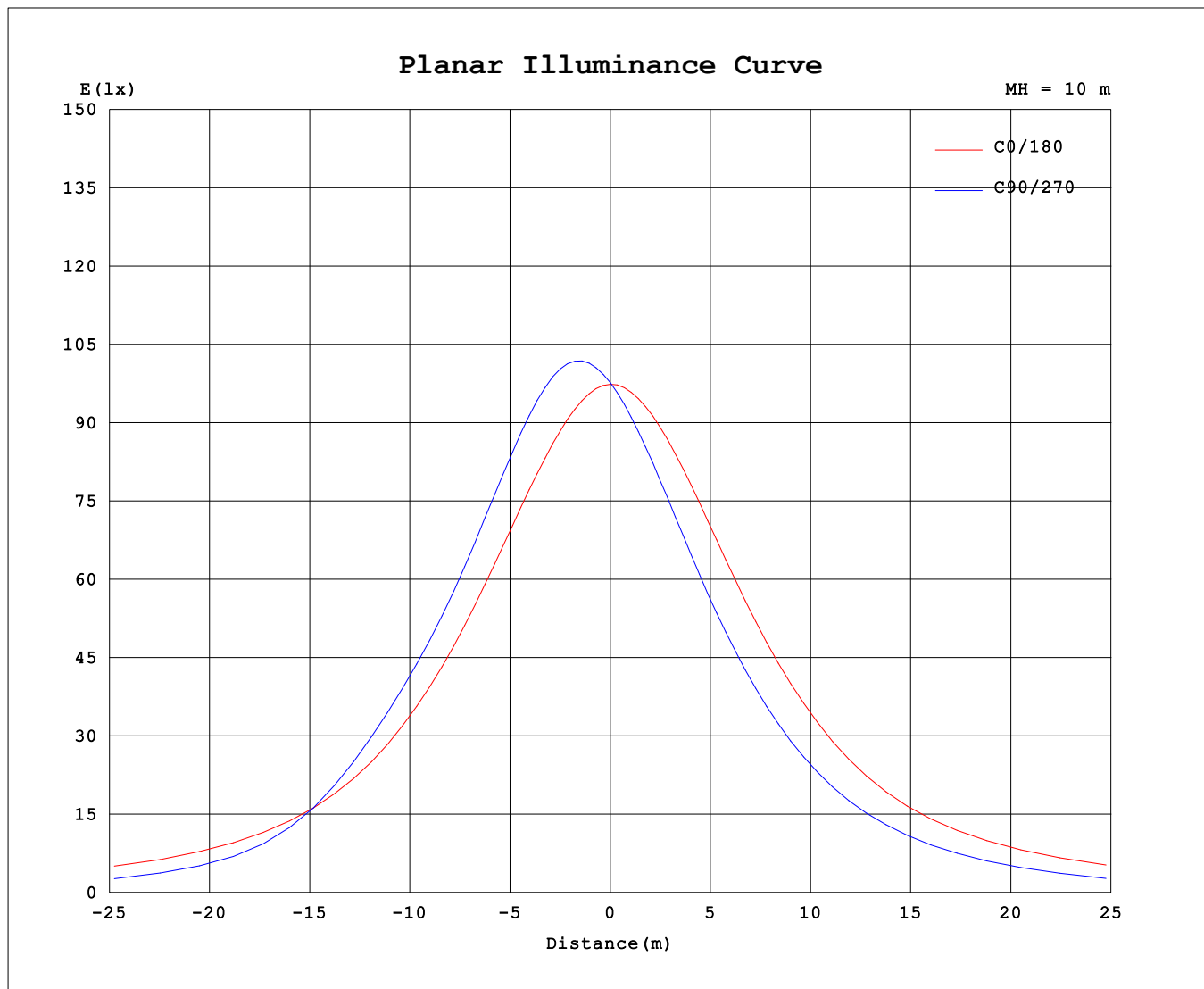
Test:U:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 lm		
NAME: streetlight	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
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:

## Planar Illuminance Curve



C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

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]

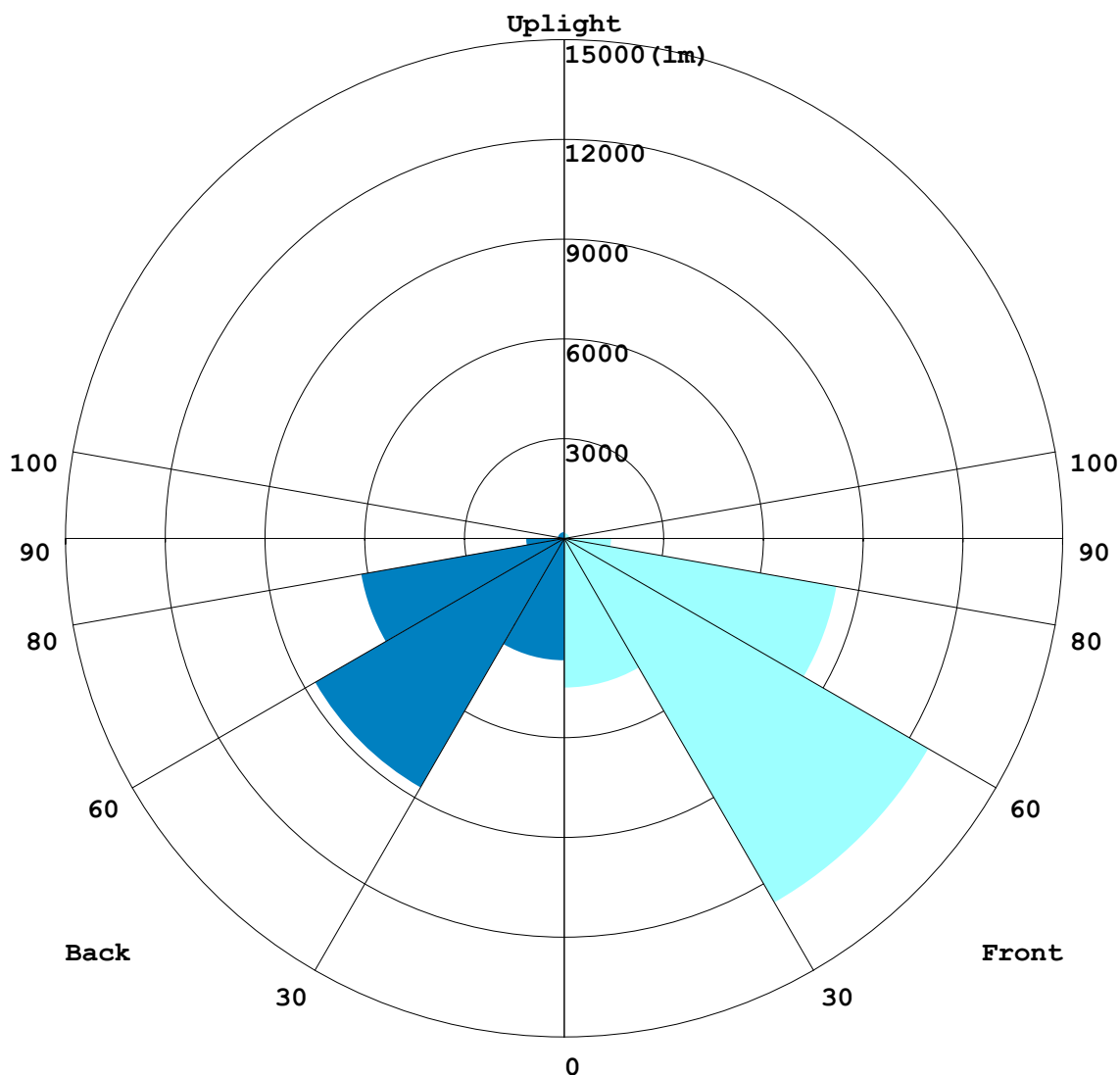
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz		
UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 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: MEDIUM  
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:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 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)	4488.9	9.6
FM - Front-Medium(30-60)	12651	26.9
FH - Front-High(60-80)	8325.4	17.7
FVH - Front-Very High(80-90)	1414.2	3.0
Total Forward Light	27092	57.7

BL - Back-Low(0-30)	3668.7	7.8
BM - Back-Medium(30-60)	8654.7	18.4
BH - Back-High(60-80)	6194.3	13.2
BVH - Back-Very High(80-90)	1139.5	2.4
Total Back Light	19880	42.3

UL - Uplight-Low(90-100)	87.505	0.2
UH - Uplight-High(100-180)	347.46	0.7
Total Up Light	434.96	0.9

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

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19657	222.61	19880
Street Side	26880	212.35	27092

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

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:

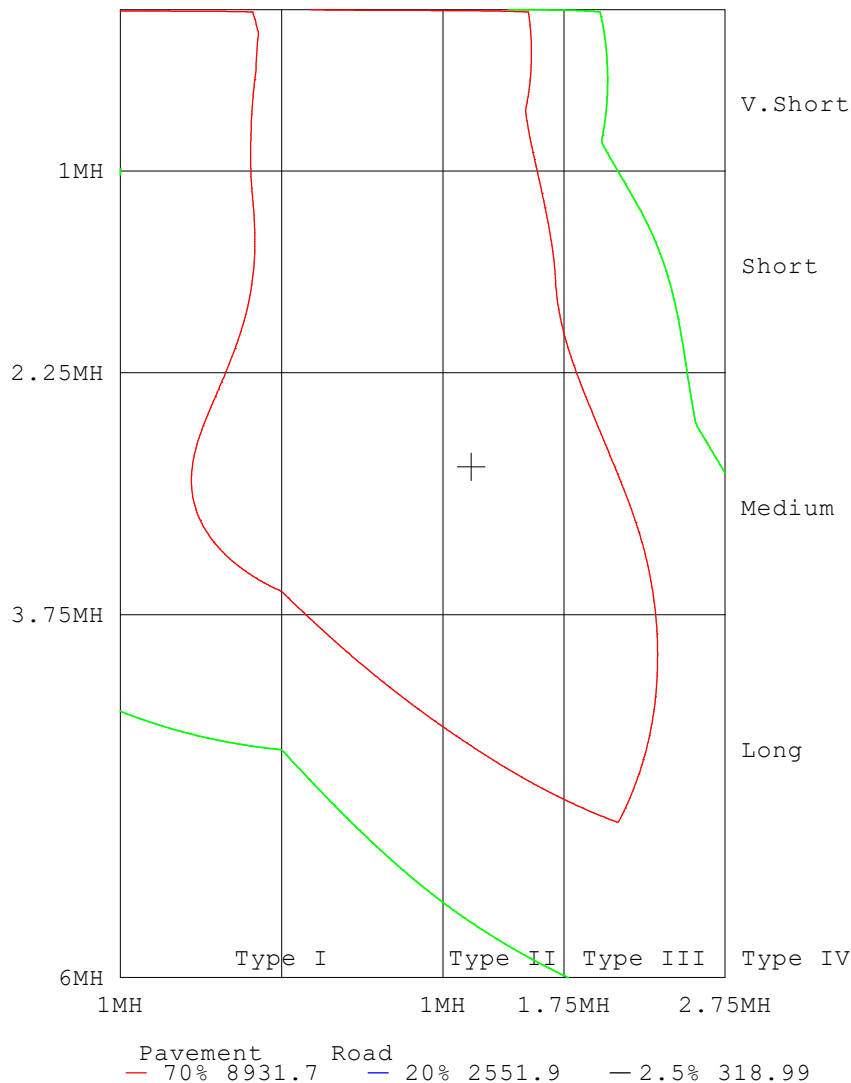


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 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: MEDIUM  
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:119.43V I:2.4264A P:287.89W PF:0.9935 Freq:60.00Hz UTHDi:1.93% ITHDi:8.68% KDisp:0.9978 Lamp Flux:46972x1 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	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969			
5	967	981	993	1002	1004	1001	994	982	969	956	944	936	935	937	944	955			
10	965	999	1030	1051	1057	1050	1031	1003	970	937	908	891	887	893	909	934			
15	963	1011	1053	1082	1089	1079	1055	1017	971	925	886	862	858	866	887	921			
20	963	1030	1084	1119	1127	1114	1086	1039	973	908	853	823	817	828	854	903			
25	963	1044	1103	1138	1145	1132	1103	1054	975	896	832	798	793	804	833	890			
30	964	1065	1127	1159	1164	1149	1125	1076	977	877	801	765	762	773	804	871			
35	963	1078	1141	1167	1169	1155	1137	1089	976	863	780	745	743	754	785	858			
40	958	1097	1160	1172	1170	1157	1152	1110	973	839	746	714	714	726	754	835			
45	954	1110	1169	1173	1167	1157	1158	1124	970	821	720	692	693	706	731	818			
50	940	1118	1178	1165	1117	1133	1170	1130	957	787	679	655	660	669	693	786			
55	928	1117	1188	1114	1002	1057	1176	1133	948	764	648	629	636	643	665	761			
60	920	1123	1188	910	746	830	1124	1155	950	736	601	589	599	604	620	726			
65	931	1138	1133	736	606	671	1014	1189	971	730	571	566	572	580	590	711			
70	986	1198	949	560	458	520	796	1265	1023	757	535	536	472	540	551	716			
75	952	1239	788	490	333	423	656	1262	918	747	524	472	355	460	535	735			
80	555	998	574	317	173	243	511	849	445	466	503	298	198	280	523	576			
85	254	558	441	200	94.2	142	373	384	177	212	359	183	106	173	433	340			
90	22.8	85.6	116	46.5	11.7	31.5	8.99	5.30	5.16	40.8	3.42	45.8	1.95	6.81	74.4	29.6			
95	5.50	4.57	4.19	3.37	2.88	2.81	3.37	3.89	5.08	5.11	3.49	2.38	2.32	3.28	4.64	4.62			
100	6.75	5.66	4.67	4.09	3.61	3.48	3.90	4.52	6.35	6.25	4.48	3.20	3.20	4.41	5.74	5.61			
105	7.42	6.22	5.11	4.48	4.06	3.87	4.22	4.80	6.98	6.78	5.10	3.79	3.85	5.14	6.37	5.98			
110	8.15	6.86	5.71	5.01	4.63	4.38	4.71	5.22	7.72	7.49	5.94	4.76	4.87	6.18	7.12	6.37			
115	8.56	7.27	6.12	5.35	4.93	4.70	5.01	5.47	8.16	7.96	6.41	5.35	5.50	6.76	7.52	6.66			
120	9.01	7.78	6.54	5.68	5.28	5.12	5.30	5.62	8.74	8.55	7.00	6.14	6.29	7.43	7.95	7.11			
125	9.08	7.97	6.67	5.80	5.47	5.33	5.44	5.65	8.94	8.77	7.36	6.57	6.70	7.67	8.10	7.25			
130	8.91	7.98	6.80	5.95	5.65	5.52	5.56	5.69	8.94	8.88	7.83	7.11	7.17	7.84	8.15	7.21			
135	8.77	7.95	6.89	6.06	5.73	5.60	5.63	5.72	8.85	8.90	8.07	7.43	7.44	7.90	8.04	7.09			
140	8.63	7.94	7.03	6.27	5.89	5.73	5.69	5.77	8.69	8.86	8.28	7.81	7.77	7.94	7.70	6.83			
145	8.54	7.95	7.12	6.41	6.02	5.84	5.73	5.79	8.58	8.79	8.34	7.95	7.89	7.89	7.46	6.67			
150	8.41	7.94	7.26	6.63	6.17	5.95	5.79	5.82	8.39	8.62	8.37	8.01	7.89	7.67	7.15	6.42			
155	8.32	7.96	7.38	6.78	6.29	6.03	5.86	5.85	8.28	8.52	8.35	8.00	7.83	7.49	6.98	6.31			
160	8.26	8.01	7.56	7.01	6.50	6.19	5.97	5.91	8.23	8.43	8.31	7.97	7.72	7.28	6.81	6.23			
165	8.26	8.08	7.71	7.20	6.67	6.33	6.06	5.97	8.24	8.44	8.33	7.97	7.66	7.22	6.77	6.24			
170	8.32	8.28	7.99	7.44	6.92	6.53	6.28	6.14	8.34	8.50	8.42	8.02	7.63	7.19	6.81	6.36			
175	8.39	8.39	8.13	7.60	7.10	6.69	6.44	6.25	8.41	8.53	8.41	7.98	7.56	7.12	6.76	6.40			
180	8.39	8.47	8.29	7.81	7.34	6.92	6.61	6.34	8.40	8.47	8.30	7.81	7.35	6.92	6.61	6.34			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

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: