

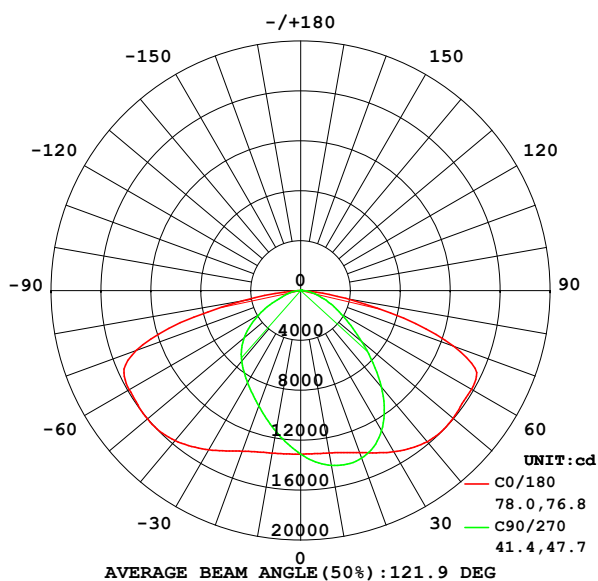
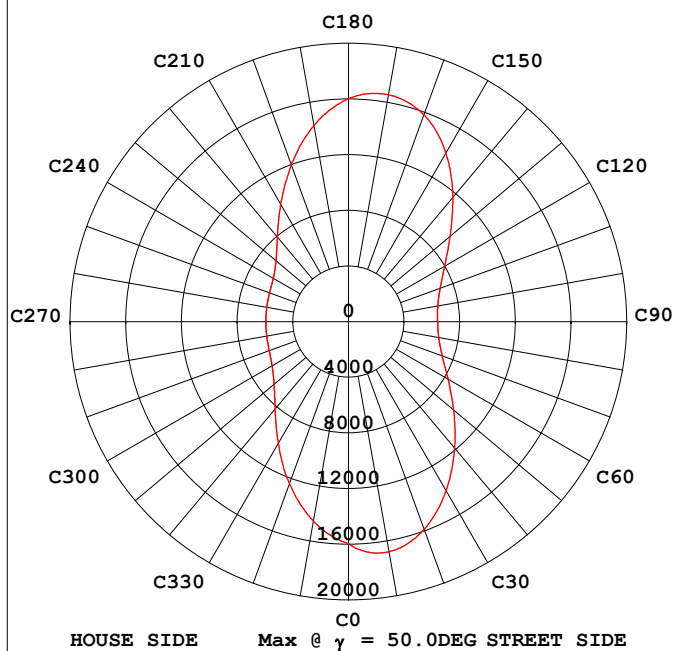
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz

Lamp Flux:46211.6x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 134.25 lm/W
MODEL		I <sub>max</sub> (cd)	16027	η street_up (%)	0.2	
NOMINAL POWER (W)	350	LOR (%)	100.0	η street_down (%)	55.6	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	46212	η house_up (%)	0.1	
NOMINAL FLUX (lm)	46211.6	MAXIMUM @ (C, γ )	180,50.0	η house_down (%)	44.1	
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	25.403	

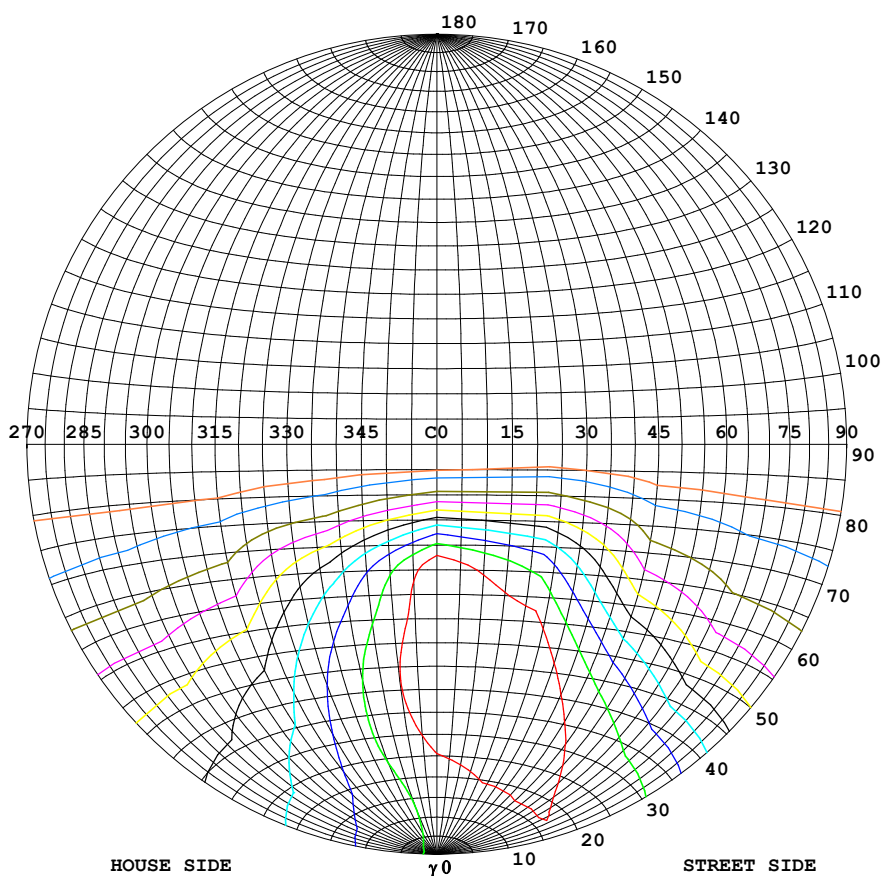
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz Lamp Flux:46211.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



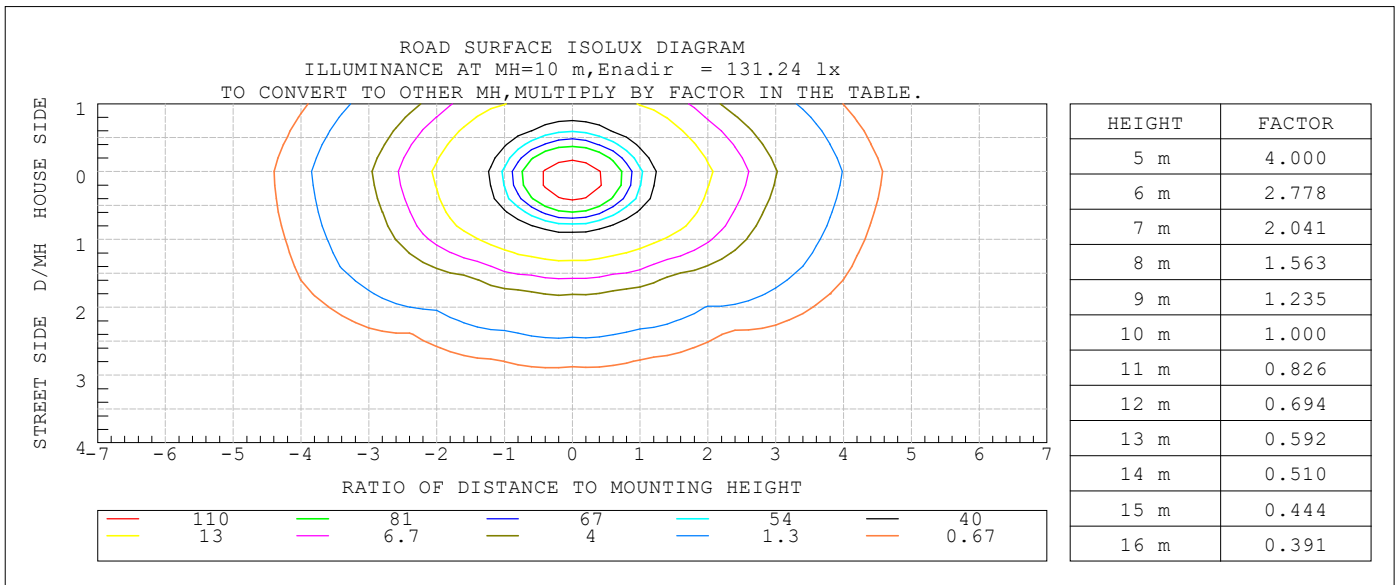
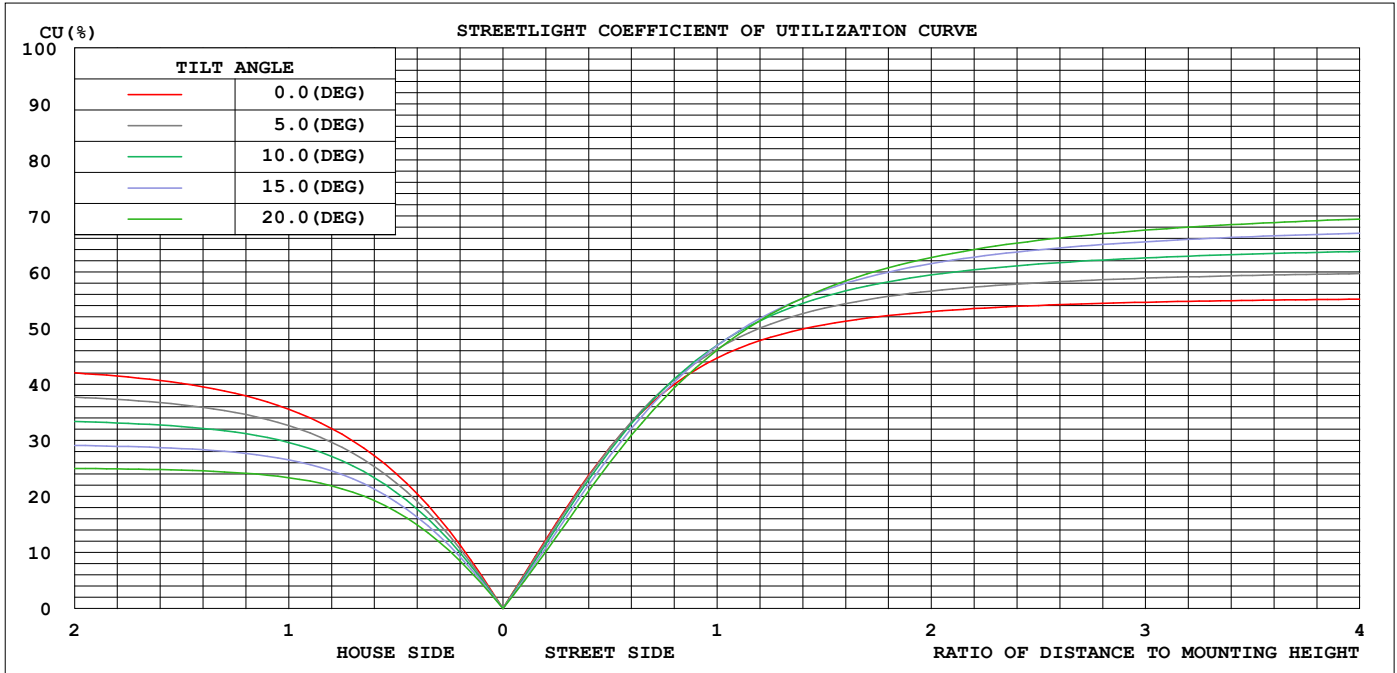
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:100.6cd/klm  
Max.At90:0.5313cd/klm  
Max.80-90:100.6cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		16027
90%		14424
80%		12822
70%		11219
60%		9616
50%		8014
40%		6411
30%		4808
20%		3205
10%		1603
5%		801

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
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Operators:DAMIN  
Test Date:2024-03-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

### ZONAL FLUX DIAGRAM

Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz Lamp Flux:46211.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

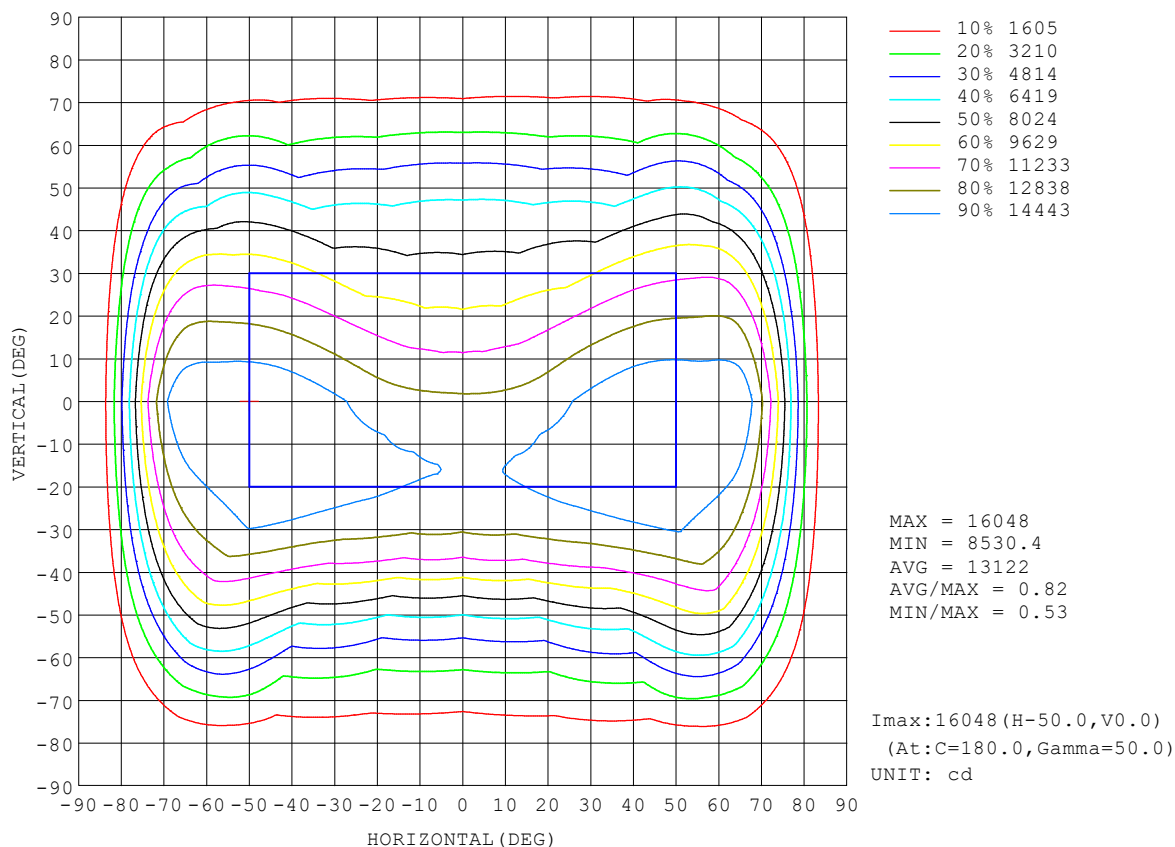
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1322	1400	1422	1406	1323	1201	1146	1205	0- 10	1248	1248	2.7,2.7
20	1382	1451	1430	1457	1370	1097	984.5	1112	10- 20	3669	4916	10.6,10.6
30	1491	1447	1297	1448	1474	994.8	852.9	1022	20- 30	5889	10805	23.4,23.4
40	1580	1338	1006	1324	1569	877.2	737.2	905.1	30- 40	7633	18438	39.9,39.9
50	1594	1083	641.8	1052	1603	730.2	594.6	751.6	40- 50	8461	26900	58.2,58.2
60	1582	720.6	375.3	678.5	1588	516.1	386.9	529.1	50- 60	8114	35014	75.8,75.8
70	1303	384.4	201.9	352.8	1402	270.6	171.8	278.8	60- 70	6697	41711	90.3,90.3
80	368.4	129.8	85.11	119.2	464.9	83.01	73.40	81.94	70- 80	3709	45421	98.3,98.3
90	2.455	0.8463	0.5544	0.7932	0.7944	0.2875	0.1925	0.3208	80- 90	660.0	46081	99.7,99.7
100	2.813	1.078	0.7842	1.094	0.4059	0.1788	0.1688	0.1622	90-100	7.810	46088	99.7,99.7
110	3.325	1.716	1.268	1.645	0.7937	0.3231	0.3333	0.4125	100-110	10.55	46099	99.8,99.8
120	3.566	2.091	1.732	2.123	2.061	1.103	0.8608	1.004	110-120	14.71	46114	99.8,99.8
130	3.806	2.852	2.127	2.643	2.889	2.005	1.569	2.147	120-130	19.38	46133	99.8,99.8
140	4.324	3.607	2.750	3.102	3.389	2.701	2.332	2.942	130-140	21.52	46155	99.9,99.9
150	4.594	4.238	3.387	3.431	3.377	3.027	3.092	3.141	140-150	20.61	46175	99.9,99.9
160	5.336	4.990	4.043	3.963	4.341	3.924	3.914	3.550	150-160	17.37	46193	100,100
170	6.417	5.902	4.894	4.797	6.531	5.879	4.972	5.001	160-170	13.74	46206	100,100
180	6.302	5.701	4.723	4.956	6.424	5.801	4.778	5.035	170-180	5.342	46212	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

### ISOCANDELA DIAGRAM

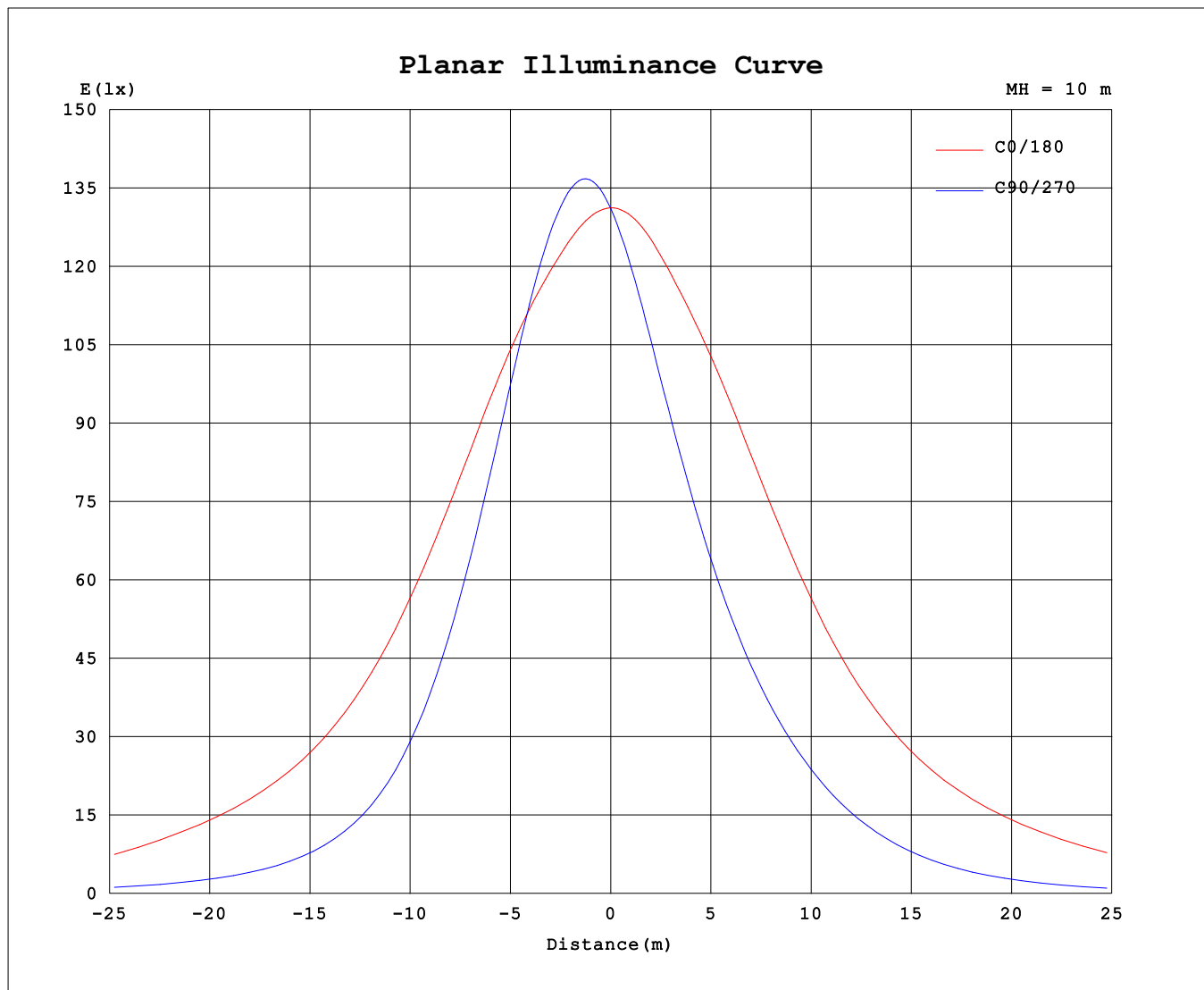
Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz Lamp Flux:46211.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2°C  
Operators:DAMIN  
Test Date:2024-03-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

### Planar Illuminance Curve



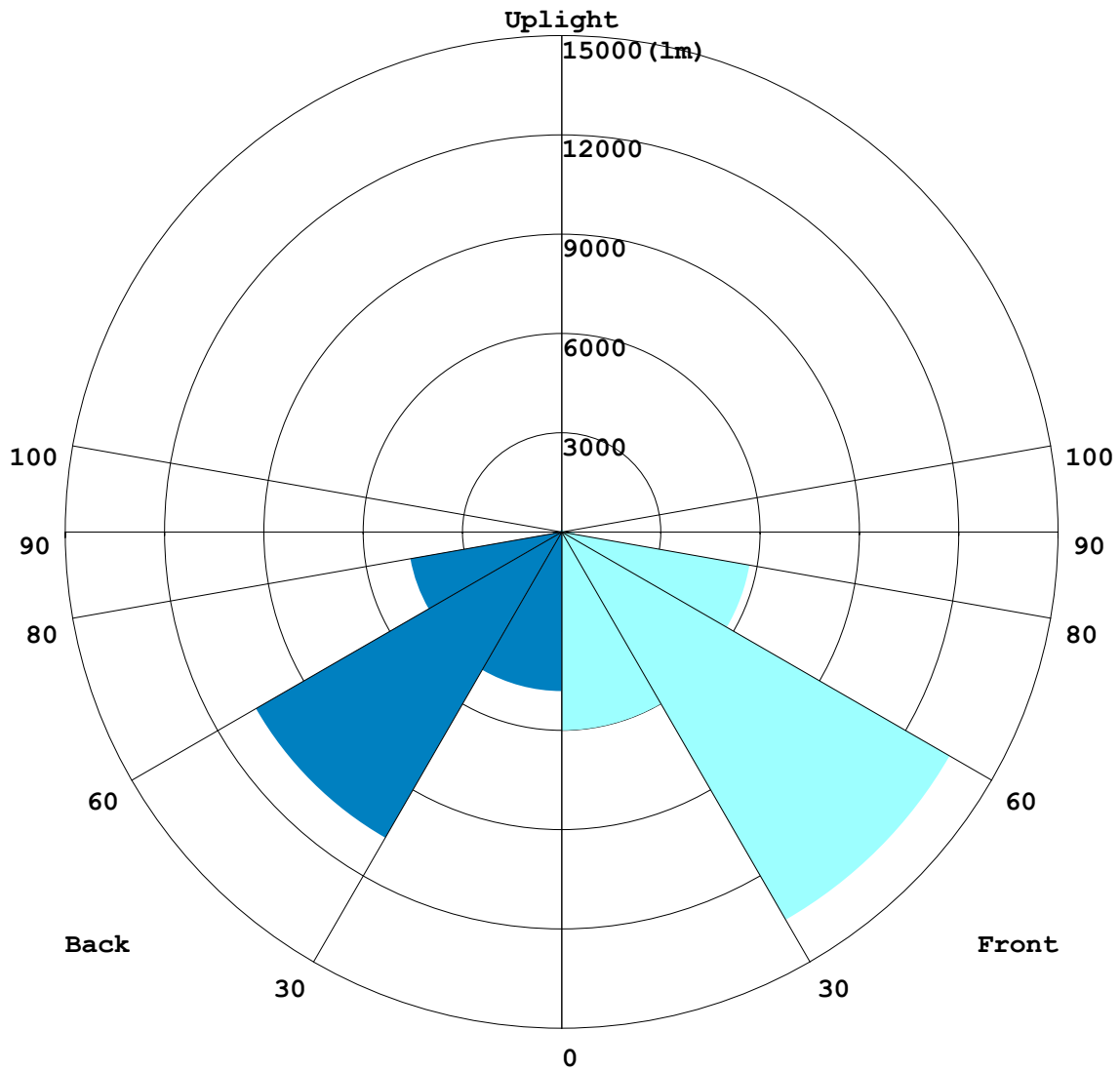
C Range: 0 - 360DEG  
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 Test Speed: HIGH  
 Temperature: 27.2°C  
 Operators:DAMIN  
 Test Date:2024-03-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
 Humidity: 100.0%  
 Test Distance:26.000m [K=0.4205]  
 Remarks:

**LCS REPORT**

Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz Lamp Flux:46211.6x1 lm		
NAME:	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: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

### BUG REPORT

Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz Lamp Flux:46211.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5998	13.0
FM - Front-Medium(30-60)	13534	29.3
FH - Front-High(60-80)	5761.6	12.5
FVH - Front-Very High(80-90)	395.76	0.9
Total Forward Light	25770	55.8

BL - Back-Low(0-30)	4807.3	10.4
BM - Back-Medium(30-60)	10674	23.1
BH - Back-High(60-80)	4645	10.1
BVH - Back-Very High(80-90)	264.29	0.6
Total Back Light	20442	44.2

UL - Uplight-Low(90-100)	7.8098	0.0
UH - Uplight-High(100-180)	123.22	0.3
Total Up Light	131.03	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	20391	50.477	20442
Street Side	25690	80.553	25770

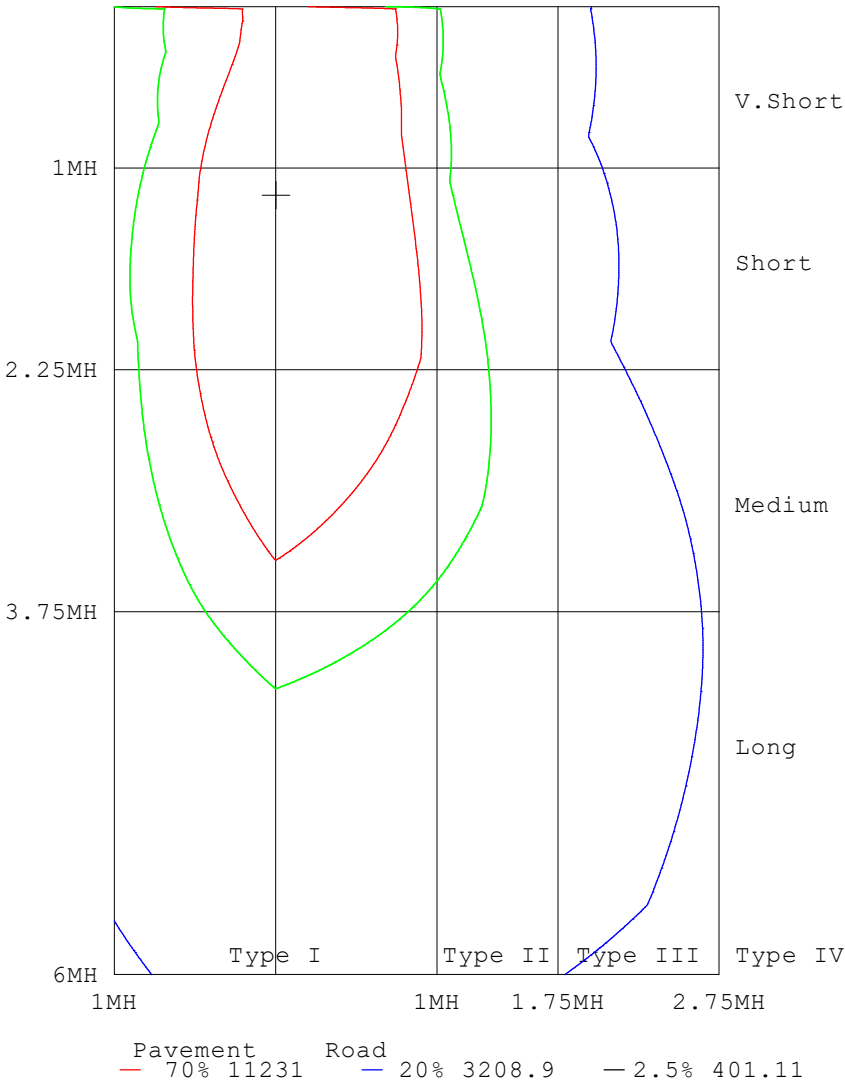
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz Lamp Flux:46211.6x1 lm		
NAME:	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: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.39V I:2.9115A P:344.21W PF:0.9986 Freq:60.01Hz Lamp Flux:46211.6x1 lm																	
NAME:									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	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311			
5	1313	1339	1360	1373	1378	1374	1362	1342	1314	1284	1257	1237	1231	1238	1257	1284			
10	1322	1370	1400	1418	1422	1421	1406	1375	1323	1260	1201	1159	1146	1163	1205	1264			
15	1343	1405	1431	1441	1441	1445	1437	1409	1339	1242	1147	1082	1062	1088	1156	1254			
20	1382	1447	1451	1440	1430	1443	1457	1447	1370	1235	1097	1010	984	1017	1112	1257			
25	1435	1495	1459	1409	1383	1411	1463	1492	1418	1236	1048	943	915	950	1071	1268			
30	1491	1541	1447	1344	1297	1343	1448	1537	1474	1236	995	879	853	886	1022	1275			
35	1541	1574	1410	1240	1170	1235	1403	1571	1525	1230	938	818	795	826	967	1271			
40	1580	1591	1338	1098	1006	1087	1324	1587	1569	1215	877	756	737	764	905	1257			
45	1597	1586	1228	924	822	909	1206	1583	1596	1187	810	688	673	695	835	1229			
50	1594	1549	1083	739	642	721	1052	1547	1603	1141	730	609	595	612	752	1184			
55	1580	1483	909	569	492	552	870	1473	1595	1073	634	512	498	513	650	1118			
60	1582	1385	721	431	375	417	678	1358	1588	977	516	402	387	403	529	1028			
65	1557	1255	542	322	284	312	502	1203	1564	835	390	294	275	295	401	888			
70	1303	1043	384	235	202	226	353	987	1402	618	271	194	172	200	279	658			
75	855	720	251	158	134	149	227	703	1000	373	171	119	117	125	175	381			
80	368	358	130	92.0	85.1	87.7	119	356	465	162	83.0	69.1	73.4	70.9	81.9	168			
85	71.7	98.2	41.8	38.3	38.8	37.9	38.3	95.0	92.6	34.0	21.8	25.3	29.1	25.1	21.9	40.0			
90	2.46	1.68	0.85	0.62	0.55	0.61	0.79	1.65	0.79	0.46	0.29	0.23	0.19	0.25	0.32	0.53			
95	2.52	1.58	0.84	0.63	0.59	0.63	0.85	1.67	0.39	0.27	0.18	0.15	0.15	0.14	0.15	0.28			
100	2.81	1.88	1.08	0.81	0.78	0.83	1.09	1.94	0.41	0.28	0.18	0.15	0.17	0.17	0.16	0.27			
105	3.10	2.29	1.42	1.03	1.02	1.06	1.38	2.22	0.57	0.34	0.22	0.21	0.23	0.24	0.26	0.33			
110	3.32	2.65	1.72	1.30	1.27	1.30	1.64	2.45	0.79	0.48	0.32	0.32	0.33	0.37	0.41	0.49			
115	3.52	2.93	1.86	1.60	1.52	1.56	1.89	2.63	1.27	0.93	0.60	0.55	0.54	0.61	0.54	0.91			
120	3.57	3.12	2.09	1.91	1.73	1.80	2.12	2.74	2.06	1.65	1.10	0.90	0.86	1.04	1.00	1.63			
125	3.65	3.28	2.48	2.23	1.91	2.09	2.38	2.84	2.54	2.17	1.58	1.24	1.20	1.41	1.64	2.10			
130	3.81	3.42	2.85	2.53	2.13	2.34	2.64	2.99	2.89	2.62	2.00	1.60	1.57	1.80	2.15	2.43			
135	4.07	3.52	3.25	2.85	2.43	2.62	2.88	3.09	3.16	3.00	2.35	1.97	1.95	2.19	2.59	2.63			
140	4.32	3.70	3.61	3.18	2.75	2.90	3.10	3.31	3.39	3.25	2.70	2.37	2.33	2.59	2.94	2.83			
145	4.41	4.00	3.91	3.51	3.06	3.17	3.27	3.45	3.49	3.33	2.85	2.67	2.73	2.91	3.12	2.86			
150	4.59	4.45	4.24	3.87	3.39	3.43	3.43	3.59	3.38	3.20	3.03	3.00	3.09	3.13	3.14	2.77			
155	4.90	4.98	4.59	4.24	3.73	3.72	3.66	3.79	3.56	3.43	3.32	3.40	3.41	3.26	3.19	2.80			
160	5.34	5.44	4.99	4.62	4.04	3.99	3.96	4.06	4.34	4.07	3.92	3.94	3.91	3.55	3.55	3.36			
165	5.88	5.97	5.52	5.08	4.49	4.35	4.39	4.50	5.72	5.51	5.20	5.05	4.71	4.34	4.44	4.54			
170	6.42	6.41	5.90	5.50	4.89	4.70	4.80	5.03	6.53	6.45	5.88	5.43	4.97	4.73	5.00	5.13			
175	6.49	6.59	6.06	5.64	5.13	4.96	5.12	5.37	6.54	6.64	5.99	5.56	5.06	4.93	5.21	5.35			
180	6.30	6.38	5.70	5.20	4.72	4.62	4.96	5.34	6.42	6.51	5.80	5.27	4.78	4.68	5.03	5.46			

C Range: 0 - 360DEG  
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γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks: