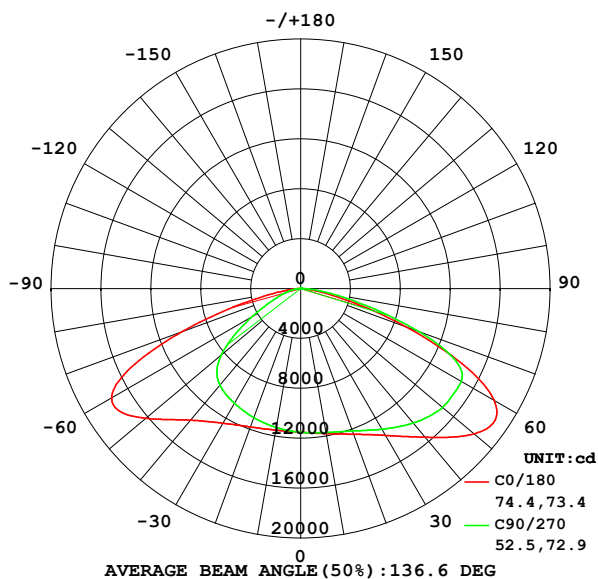
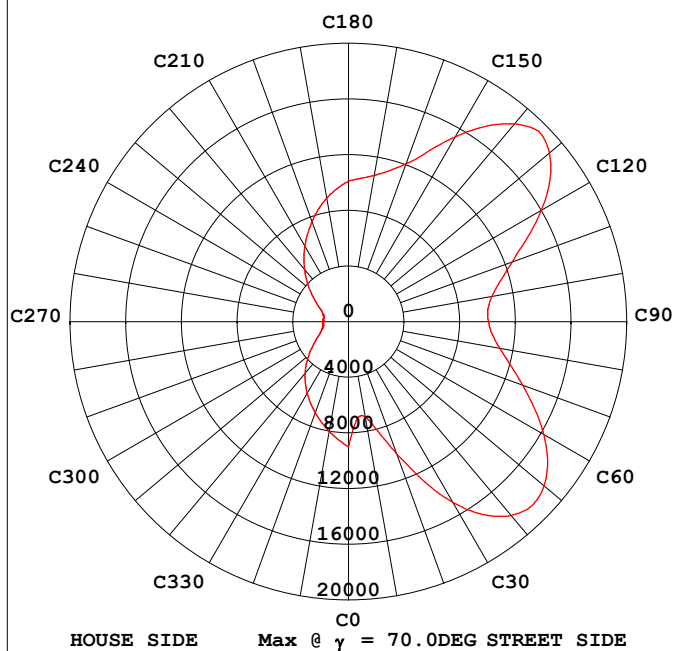


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.34 lm/W			
MODEL		I _{max} (cd)	19346	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	60.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	60201	η house_up (%)	0.1
NOMINAL FLUX (lm)	60200.6	MAXIMUM @ (C, γ)	135,70.0	η house_down (%)	39.4
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	24.321

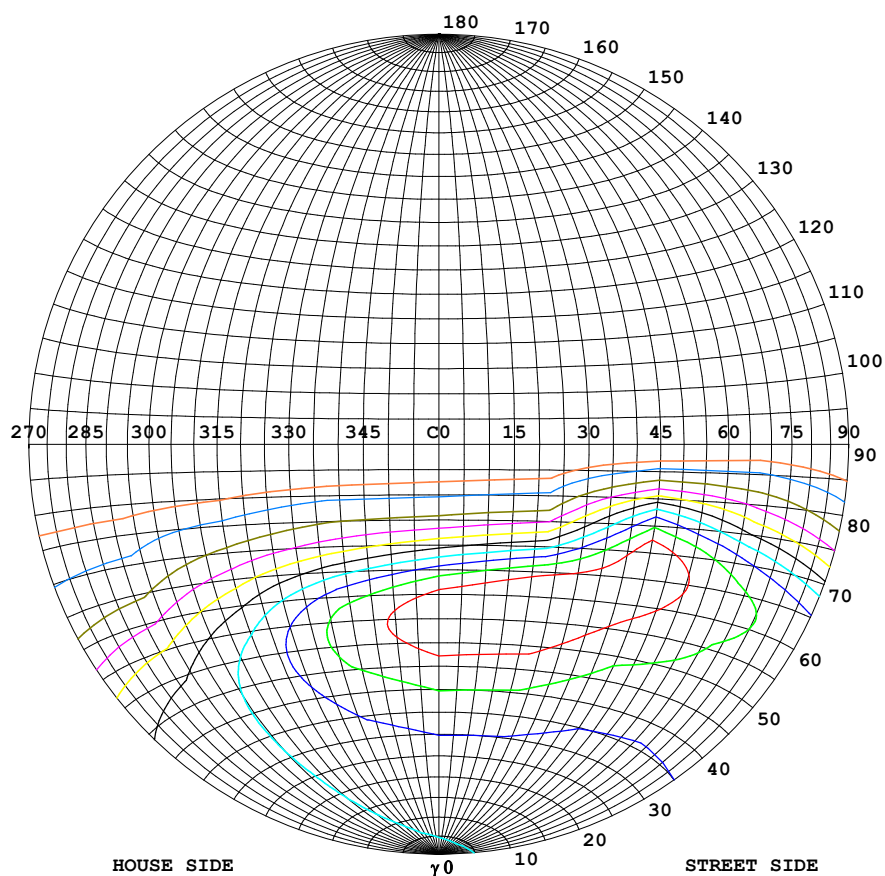
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



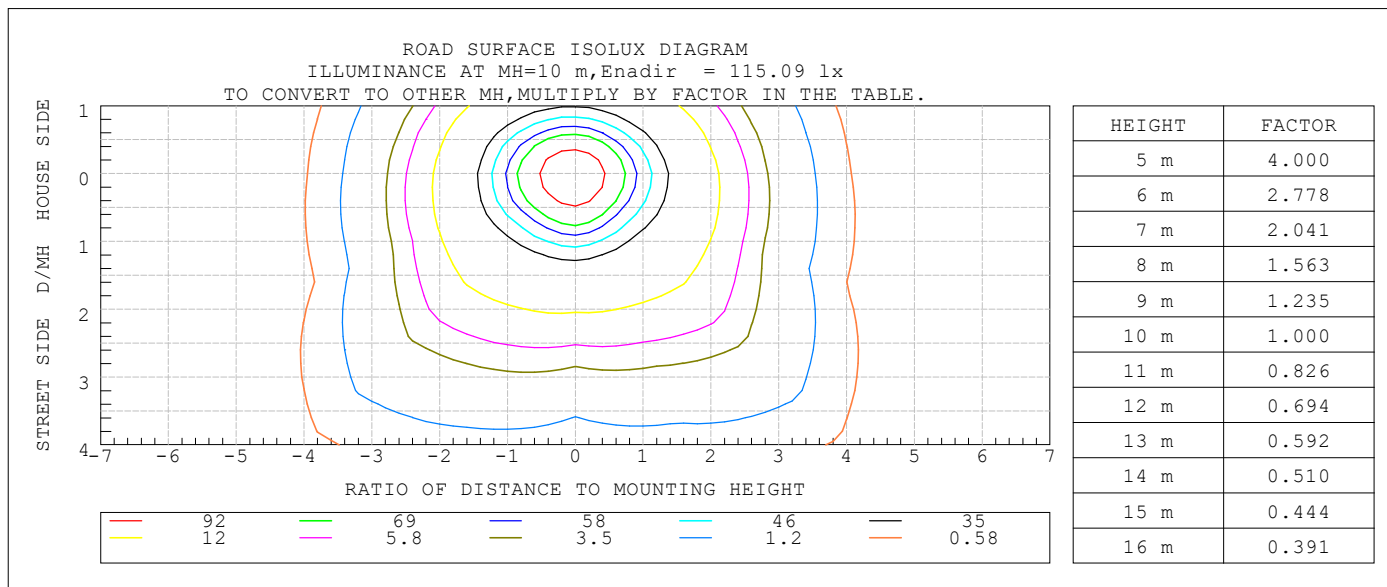
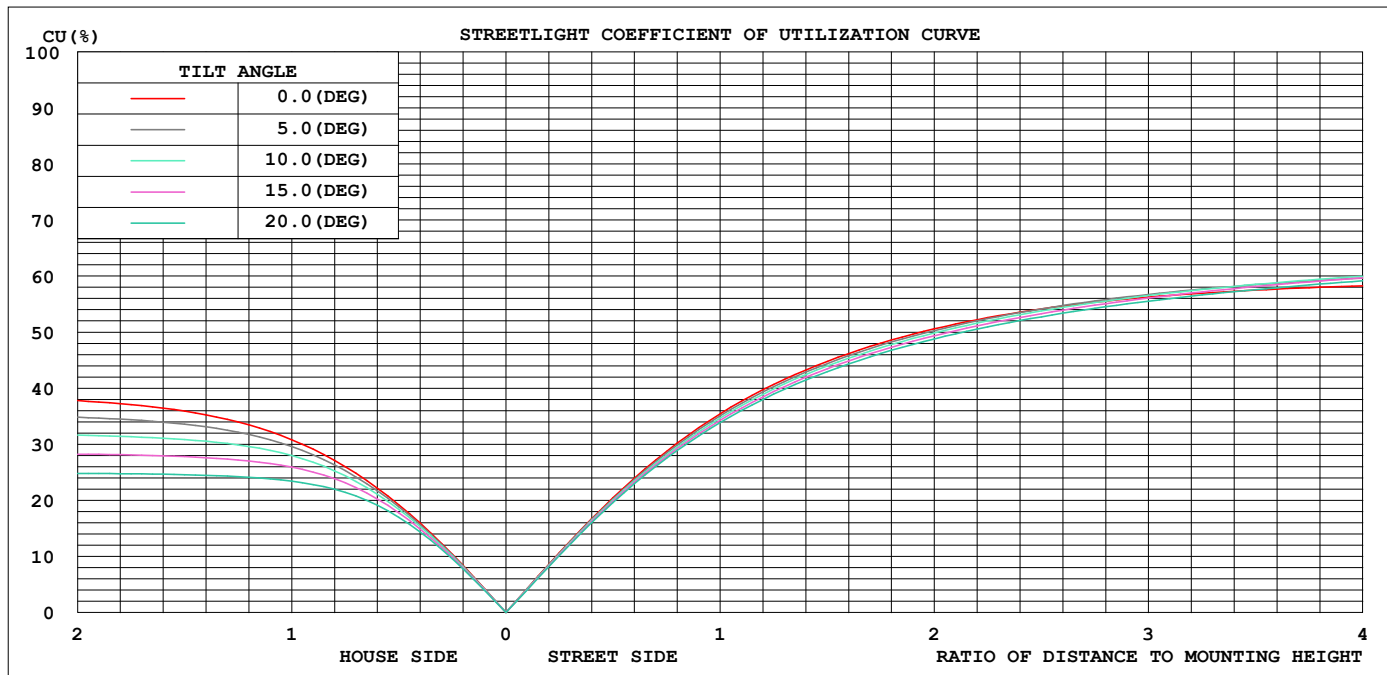
Classification:

IES:Type IV - Short
CIE:Broad - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:160.2cd/klm
Max.At90:1.135cd/klm
Max.80-90:160.2cd/klm

ISOCANDELA DIAGRAM		
UNIT	cd	
Imax=100%	19346	
90%	17411	
80%	15476	
70%	13542	
60%	11607	
50%	9673	
40%	7738	
30%	5804	
20%	3869	
10%	1935	
5%	967	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

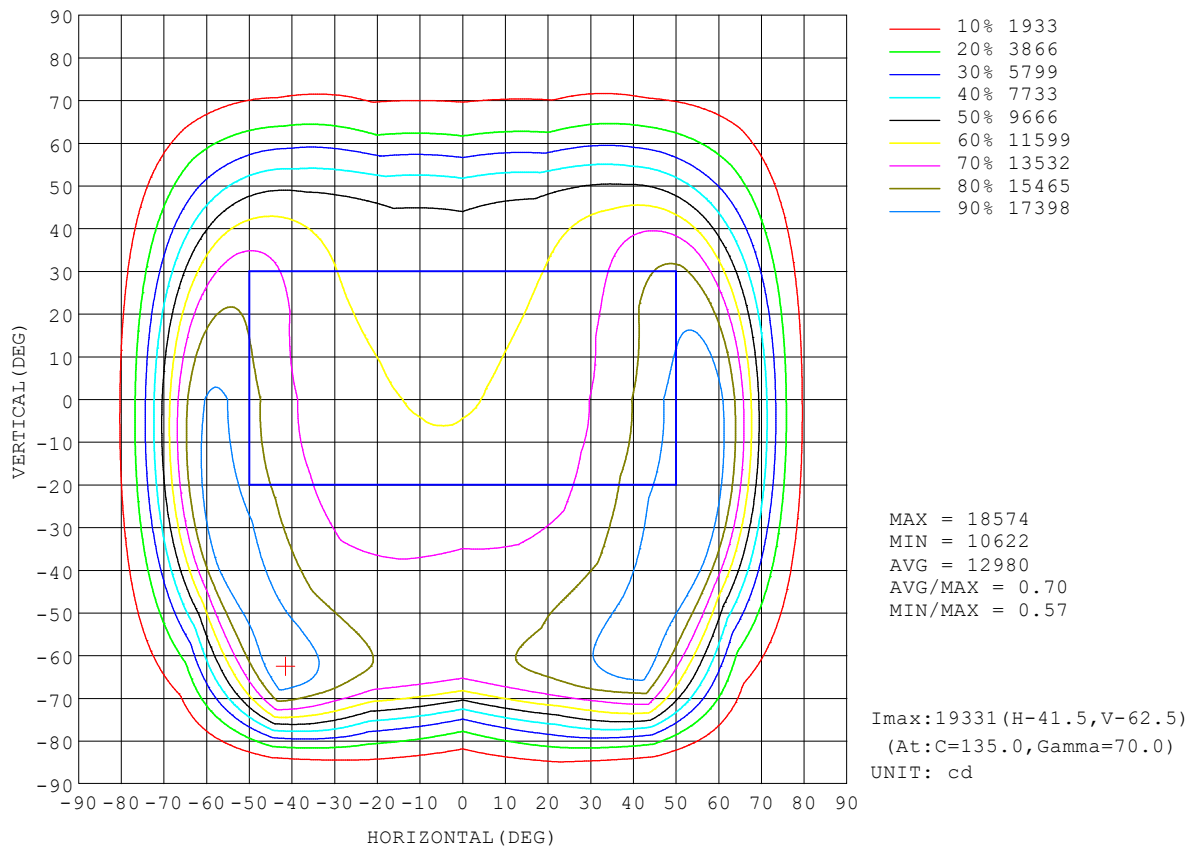
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1180	1182	1172	1162	1152	1135	1131	1156	0- 10	1103	1103	1.83,1.83
20	1242	1231	1215	1192	1180	1125	1101	1172	10- 20	3317	4420	7.34,7.34
30	1359	1306	1302	1242	1247	1122	1063	1200	20- 30	5578	9998	16.6,16.6
40	1556	1421	1406	1324	1377	1133	1009	1237	30- 40	7971	17969	29.8,29.8
50	1811	1583	1483	1454	1619	1121	832.7	1231	40- 50	10513	28481	47.3,47.3
60	1788	1799	1487	1685	1749	893.5	445.1	946.1	50- 60	12487	40968	68.1,68.1
70	901.3	1867	1007	1935	1010	428.0	186.2	429.4	60- 70	11610	52578	87.3,87.3
80	177.5	865.6	268.8	964.3	206.2	93.78	70.64	90.75	70- 80	6302	58881	97.8,97.8
90	2.096	6.835	2.726	6.416	0.6490	0.7417	0.2580	0.7473	80- 90	1159	60039	99.7,99.7
100	2.921	2.464	3.064	3.141	0.3431	0.5572	0.6000	0.4844	90-100	17.44	60057	99.8,99.8
110	3.593	2.460	2.271	2.704	0.9216	1.194	1.550	1.023	100-110	18.99	60076	99.8,99.8
120	3.773	2.702	2.463	2.913	2.126	2.830	2.760	2.107	110-120	23.11	60099	99.8,99.8
130	3.725	3.296	2.797	3.225	2.887	3.289	3.158	2.615	120-130	26.42	60125	99.9,99.9
140	3.822	3.609	3.211	3.348	2.977	2.981	2.900	2.605	130-140	24.04	60149	99.9,99.9
150	3.970	3.911	3.577	3.473	2.920	2.929	2.866	2.591	140-150	19.82	60169	99.9,99.9
160	4.406	4.256	3.832	3.766	3.438	3.278	3.232	2.811	150-160	15.53	60185	100,100
170	5.180	4.795	4.112	4.220	5.282	4.724	4.028	4.206	160-170	11.42	60196	100,100
180	5.312	4.774	4.005	4.414	5.437	4.855	4.054	4.479	170-180	4.481	60201	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ISOCANDELA DIAGRAM

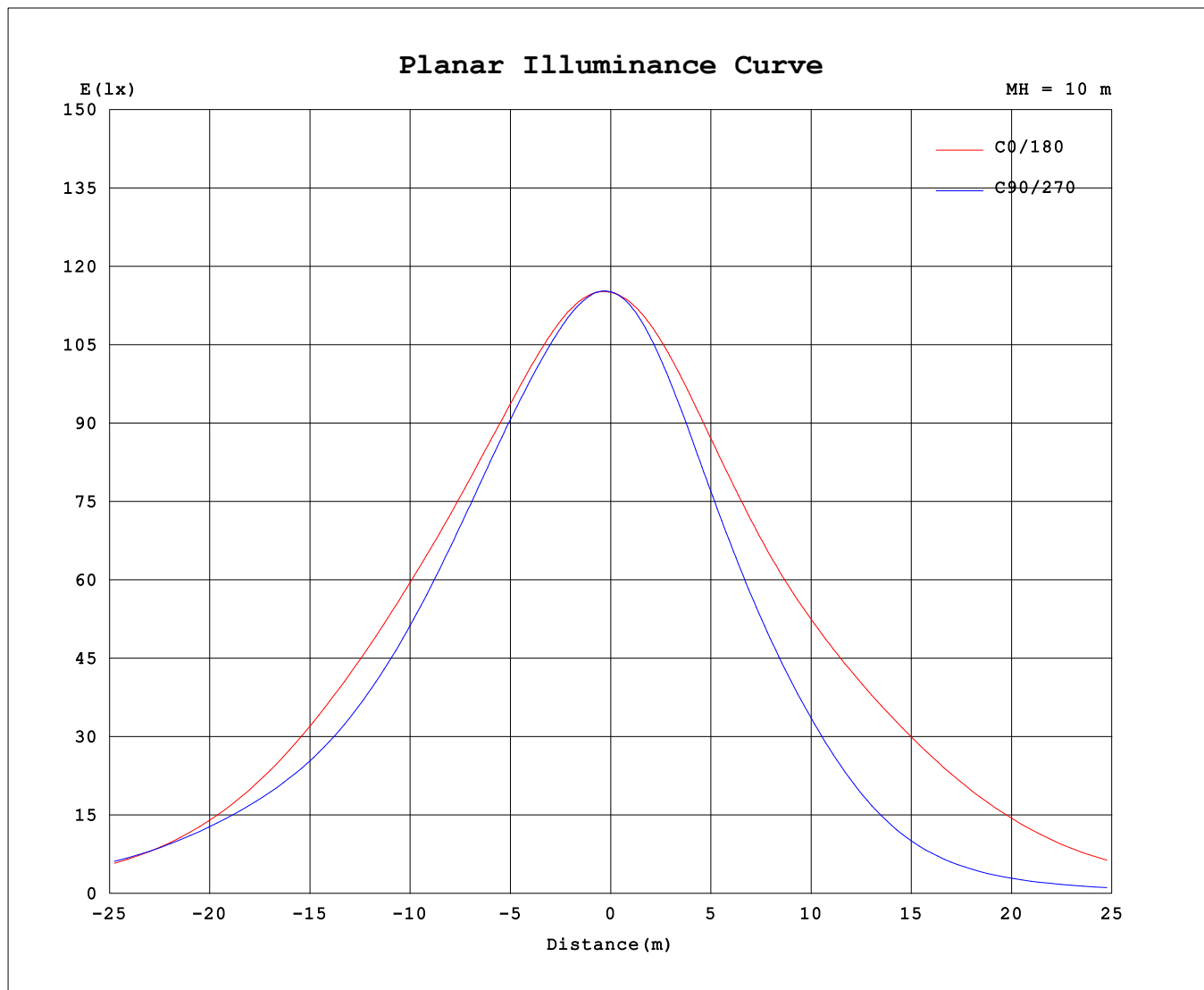
Test:U:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

Planar Illuminance Curve



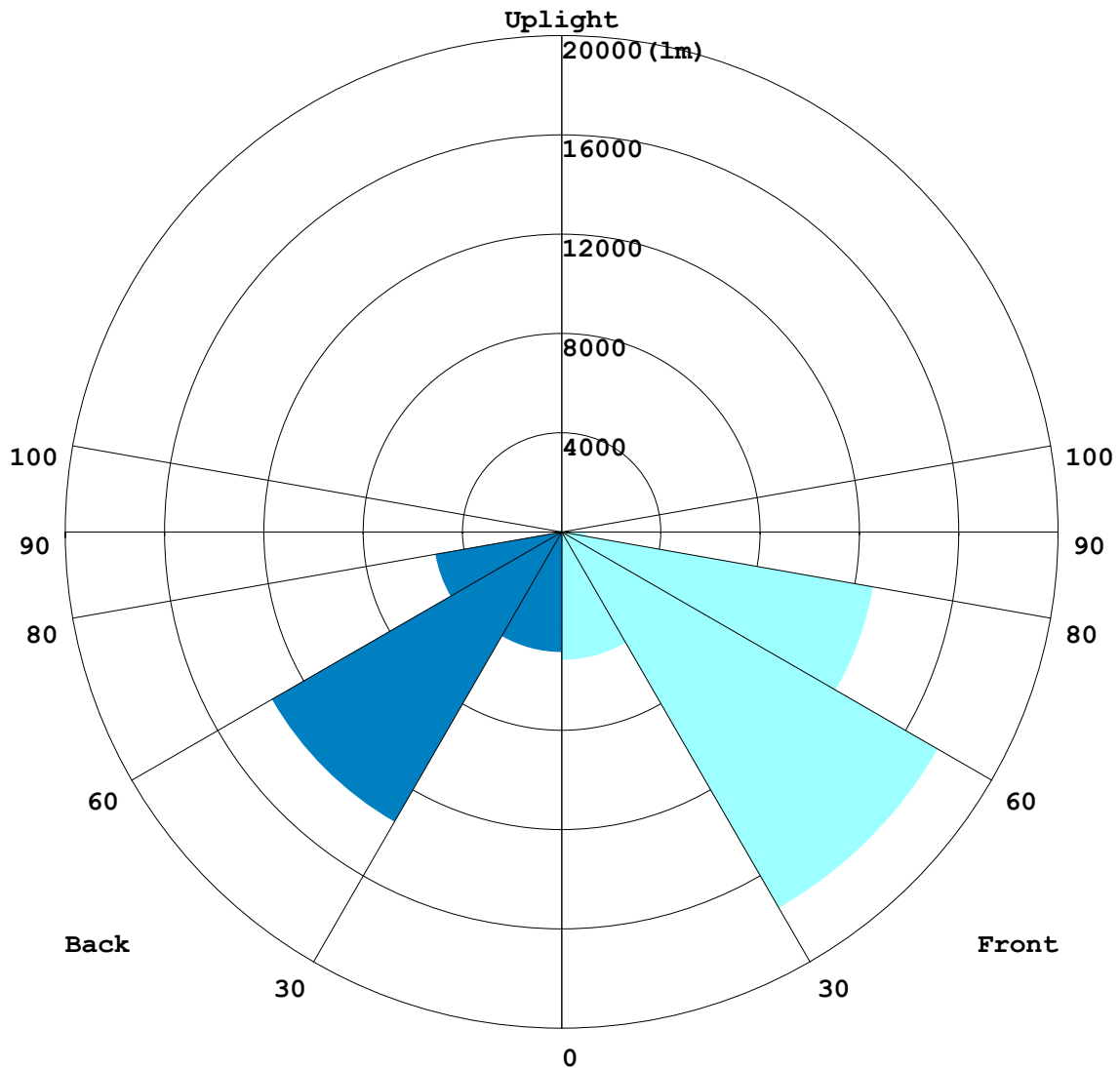
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 24.9°C
 Operators:DAMIN
 Test Date:2024-01-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 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: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 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)	5154.8	8.6
FM - Front-Medium(30-60)	17492	29.1
FH - Front-High(60-80)	12746	21.2
FVH - Front-Very High(80-90)	954.35	1.6
Total Forward Light	36446	60.5

BL - Back-Low(0-30)	4843	8.0
BM - Back-Medium(30-60)	13479	22.4
BH - Back-High(60-80)	5166.7	8.6
BVH - Back-Very High(80-90)	204.31	0.3
Total Back Light	23755	39.5

UL - Uplight-Low(90-100)	17.439	0.0
UH - Uplight-High(100-180)	143.81	0.2
Total Up Light	161.24	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	23693	61.634	23755
Street Side	36346	99.61	36446

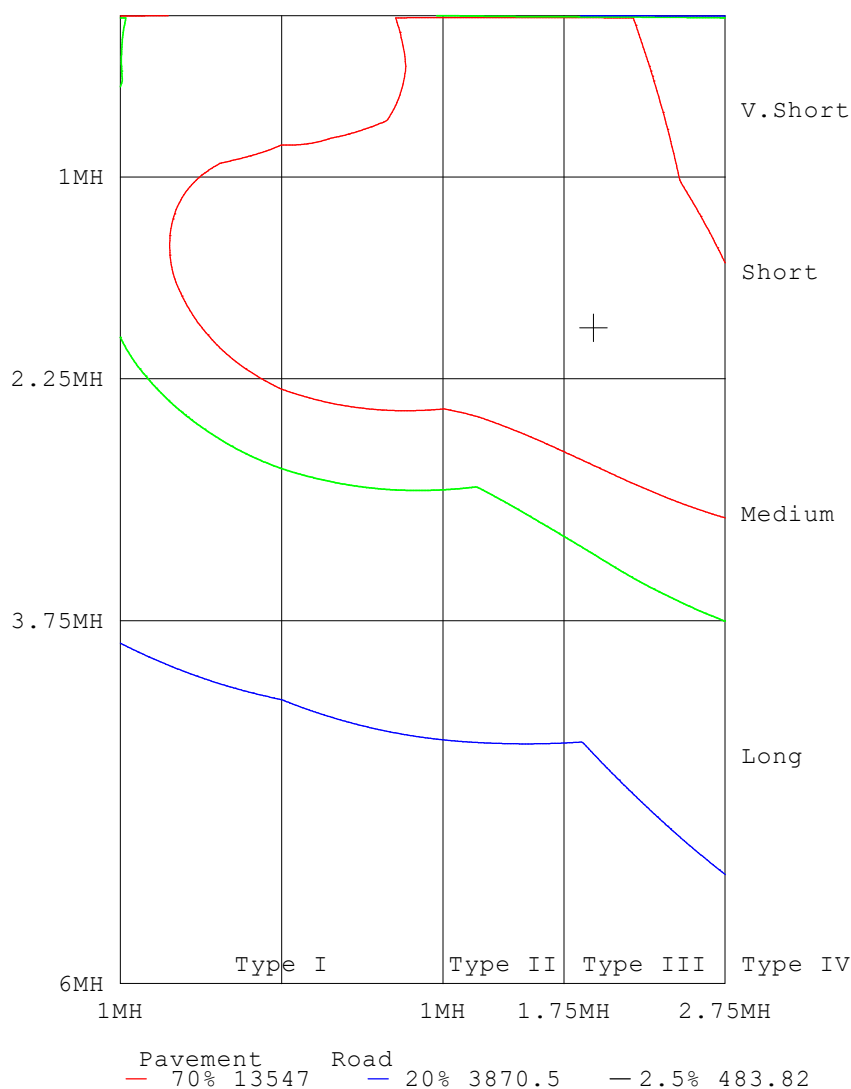
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 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: MEDIUM
 Temperature: 24.9°C
 Operators:DAMIN
 Test Date:2024-01-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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:117.73V I:3.6213A P:425.94W PF:0.9990 Freq:60.01Hz Lamp Flux:60200.6x1 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	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151			
5	1162	1164	1165	1163	1161	1157	1155	1151	1148	1145	1142	1141	1143	1146	1152	1158			
10	1180	1184	1182	1177	1172	1166	1162	1158	1152	1144	1135	1129	1131	1141	1156	1171			
15	1207	1210	1204	1195	1189	1180	1174	1170	1163	1149	1130	1116	1117	1134	1163	1190			
20	1242	1244	1231	1221	1215	1202	1192	1188	1180	1158	1125	1101	1101	1126	1172	1217			
25	1292	1290	1264	1254	1254	1233	1214	1211	1207	1175	1123	1085	1082	1117	1184	1253			
30	1359	1351	1306	1295	1302	1271	1242	1246	1247	1200	1122	1069	1063	1107	1200	1303			
35	1447	1433	1357	1342	1354	1312	1278	1295	1302	1236	1125	1052	1041	1095	1218	1367			
40	1556	1535	1421	1393	1406	1356	1324	1364	1377	1289	1133	1031	1009	1076	1237	1446			
45	1685	1656	1497	1447	1451	1398	1382	1459	1486	1359	1139	992	951	1035	1250	1536			
50	1811	1787	1583	1499	1483	1442	1454	1586	1619	1431	1121	908	833	947	1231	1612			
55	1882	1898	1686	1542	1488	1479	1554	1736	1739	1455	1050	748	646	782	1140	1610			
60	1788	1919	1799	1578	1487	1517	1685	1854	1749	1363	893	535	445	563	946	1445			
65	1431	1684	1881	1587	1371	1522	1828	1759	1503	1106	667	343	289	363	683	1084			
70	901	1118	1867	1401	1007	1323	1935	1262	1010	731	428	212	186	222	429	672			
75	444	572	1524	970	573	901	1669	682	523	416	229	127	119	133	229	376			
80	177	220	866	545	269	489	964	283	206	159	93.8	68.2	70.6	71.1	90.7	160			
85	44.3	60.2	231	210	91.0	185	256	78.0	50.8	27.6	22.6	21.7	28.2	22.5	22.4	30.3			
90	2.10	2.19	6.83	4.17	2.73	3.06	6.42	2.25	0.65	0.65	0.74	0.50	0.26	0.52	0.75	0.65			
95	2.41	2.04	3.03	3.53	2.53	3.35	3.84	2.19	0.30	0.34	0.40	0.31	0.31	0.31	0.38	0.32			
100	2.92	2.33	2.46	3.83	3.06	3.71	3.14	2.46	0.34	0.55	0.56	0.48	0.60	0.58	0.48	0.38			
105	3.32	2.68	2.31	2.83	2.44	2.87	2.69	2.81	0.57	0.88	0.79	0.81	1.05	0.90	0.69	0.57			
110	3.59	2.97	2.46	2.55	2.27	2.59	2.70	3.04	0.92	1.17	1.19	1.44	1.55	1.36	1.02	0.81			
115	3.75	3.26	2.54	2.61	2.34	2.58	2.81	3.16	1.45	1.62	1.87	2.25	2.18	2.05	1.43	1.23			
120	3.77	3.43	2.70	2.79	2.46	2.63	2.91	3.17	2.13	2.26	2.83	2.97	2.76	2.66	2.11	1.85			
125	3.74	3.52	3.05	3.02	2.62	2.81	3.08	3.19	2.59	2.76	3.30	3.25	3.08	2.80	2.52	2.29			
130	3.73	3.48	3.30	3.23	2.80	2.98	3.22	3.19	2.89	3.07	3.29	3.19	3.16	2.81	2.62	2.40			
135	3.76	3.34	3.49	3.39	3.02	3.17	3.31	3.17	3.01	3.19	3.12	3.02	3.06	2.73	2.62	2.27			
140	3.82	3.36	3.61	3.54	3.21	3.31	3.35	3.25	2.98	3.10	2.98	2.94	2.90	2.71	2.61	2.18			
145	3.84	3.57	3.76	3.70	3.41	3.46	3.41	3.33	2.90	2.97	2.91	2.94	2.80	2.66	2.59	2.11			
150	3.97	3.90	3.91	3.87	3.58	3.58	3.47	3.43	2.92	2.95	2.93	2.98	2.87	2.67	2.59	2.17			
155	4.16	4.23	4.05	4.00	3.71	3.70	3.59	3.54	2.98	3.03	3.04	3.11	2.95	2.70	2.56	2.18			
160	4.41	4.52	4.26	4.16	3.83	3.81	3.77	3.69	3.44	3.30	3.28	3.35	3.23	2.86	2.81	2.51			
165	4.71	4.81	4.50	4.31	3.93	3.88	3.95	3.92	4.44	4.33	4.24	4.20	3.85	3.60	3.66	3.43			
170	5.18	5.20	4.80	4.50	4.11	4.04	4.22	4.34	5.28	5.19	4.72	4.46	4.03	3.96	4.21	4.18			
175	5.35	5.54	5.03	4.67	4.31	4.25	4.50	4.67	5.50	5.58	4.95	4.65	4.25	4.27	4.62	4.65			
180	5.31	5.37	4.77	4.37	4.01	3.99	4.41	4.71	5.44	5.48	4.86	4.43	4.05	4.05	4.48	4.81			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks: