

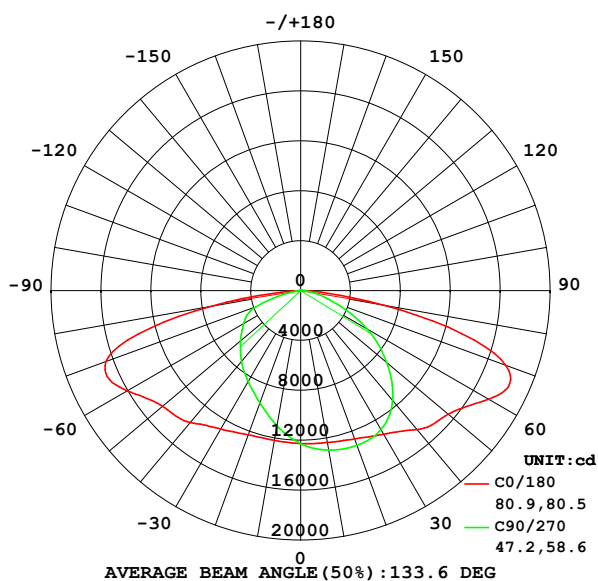
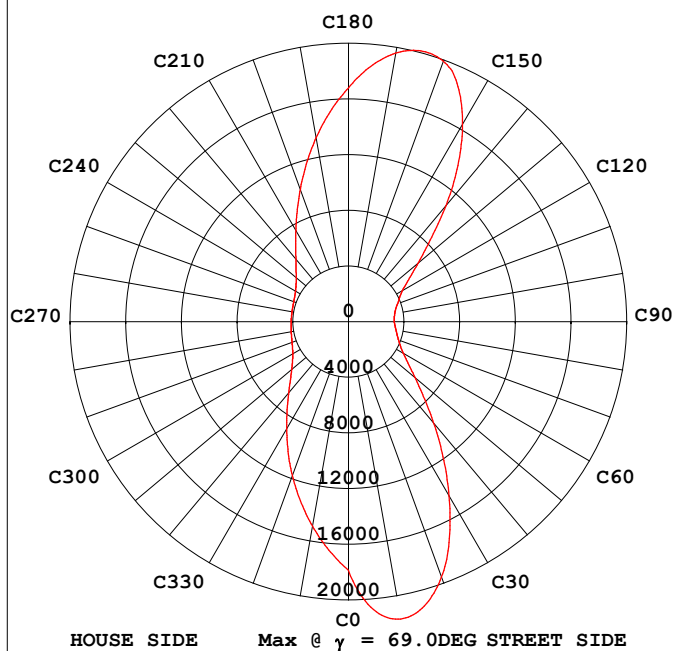
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz

Lamp Flux:53082.1x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 142.95 lm/W
MODEL		I _{max} (cd)	19491	η street_up (%)	0.2	
NOMINAL POWER (W)	400	LOR (%)	100.0	η street_down (%)	57.9	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	53082	η house_up (%)	0.1	
NOMINAL FLUX (lm)	53082.1	MAXIMUM @ (C, γ)	158,69.0	η house_down (%)	41.8	
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	26.269	

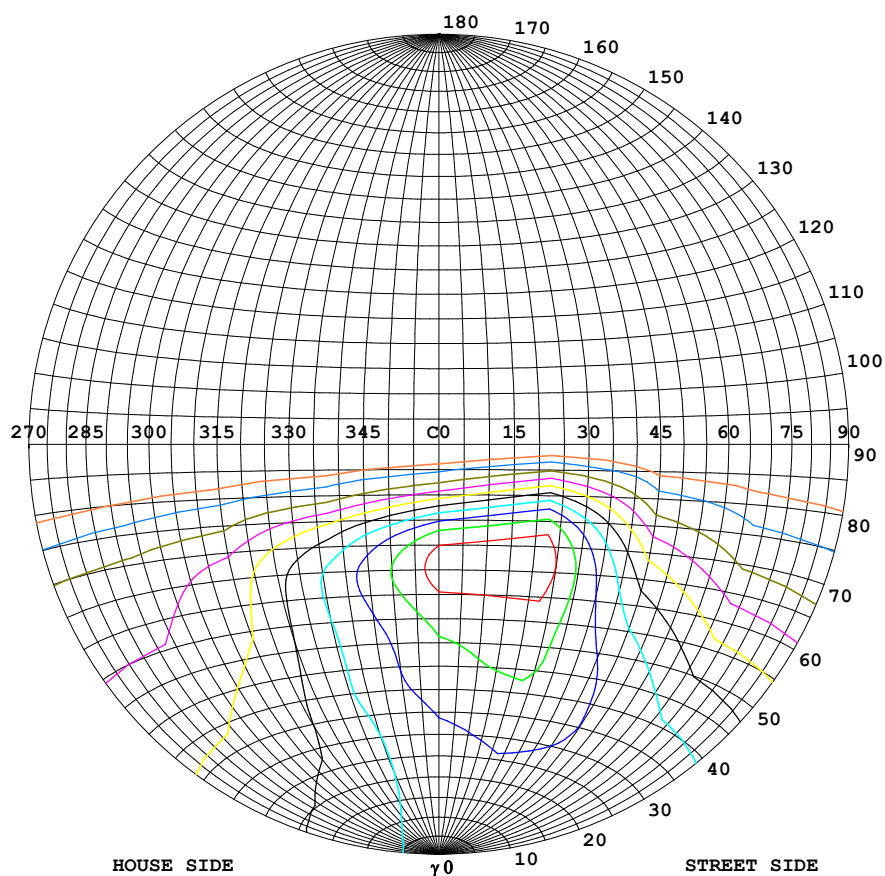
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.2℃
Operators:DAMIN
Test Date:2024-04-10

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:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz Lamp Flux:53082.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



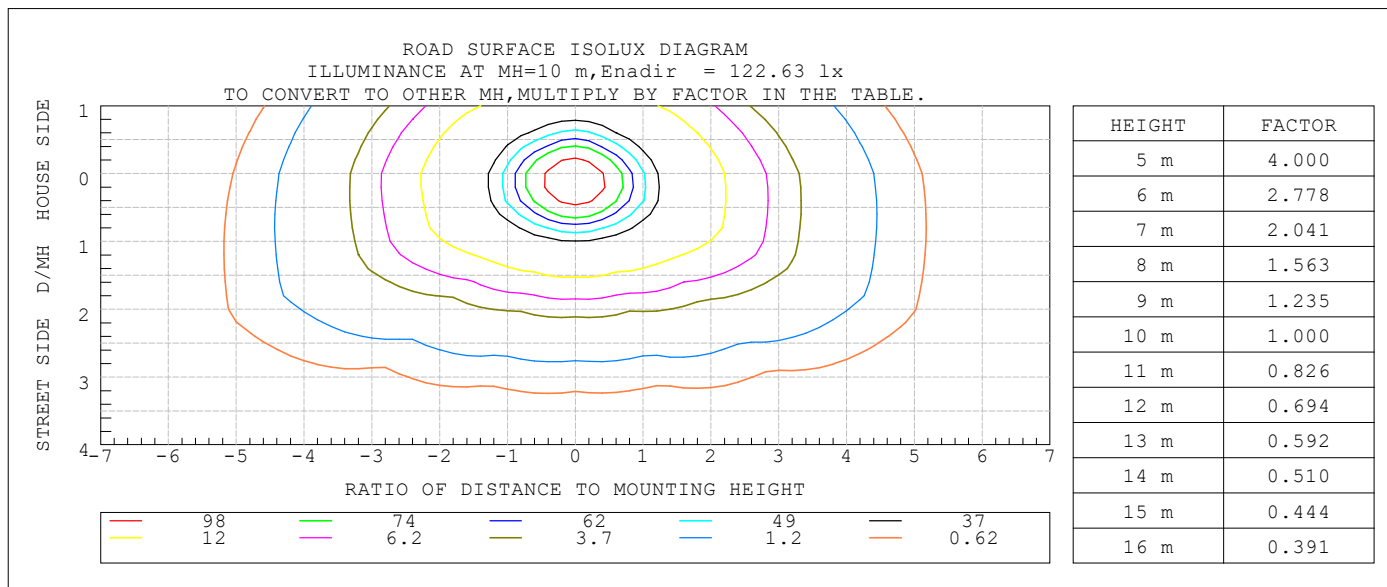
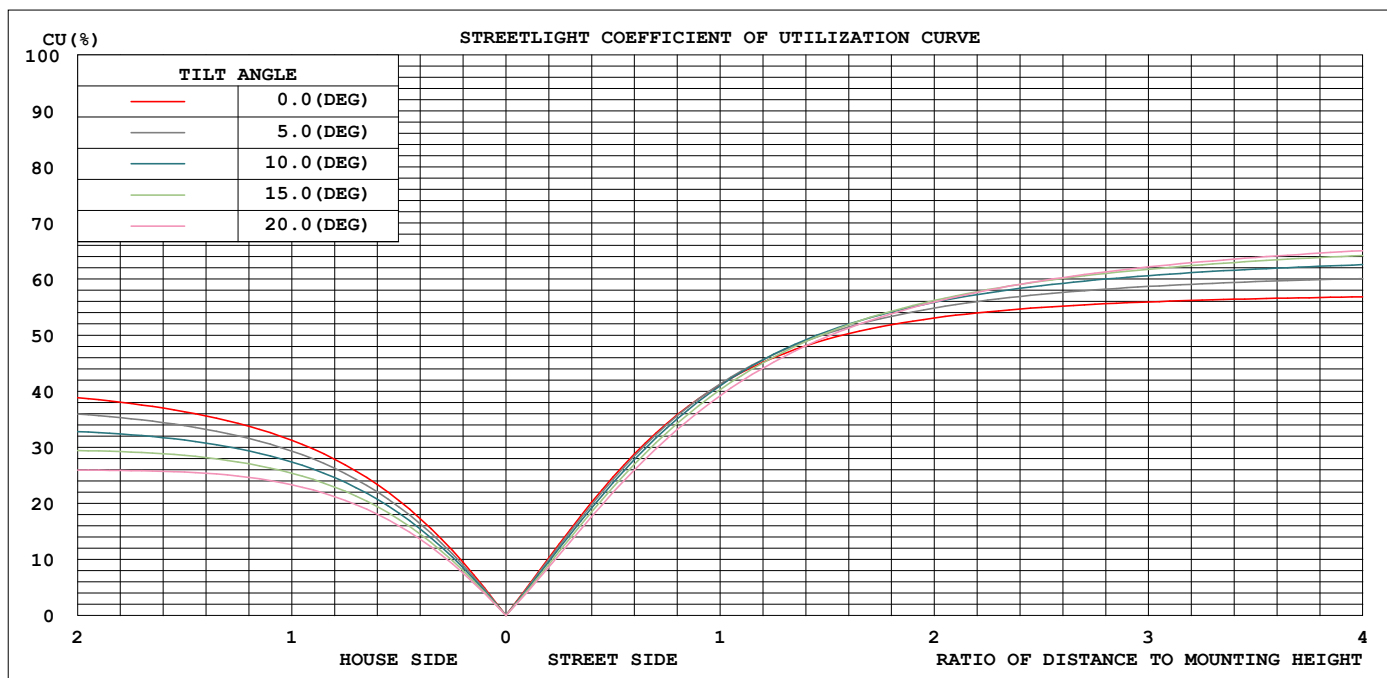
Classification:

IES:Type III - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:198.2cd/klm
Max.At90:0.6500cd/klm
Max.80-90:198.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	19491
90%	17542
80%	15593
70%	13644
60%	11695
50%	9746
40%	7796
30%	5847
20%	3898
10%	1949
5%	975

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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: 24.2°C
Operators:DAMIN
Test Date:2024-04-10

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:

ZONAL FLUX DIAGRAM

Test:U:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz Lamp Flux:53082.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

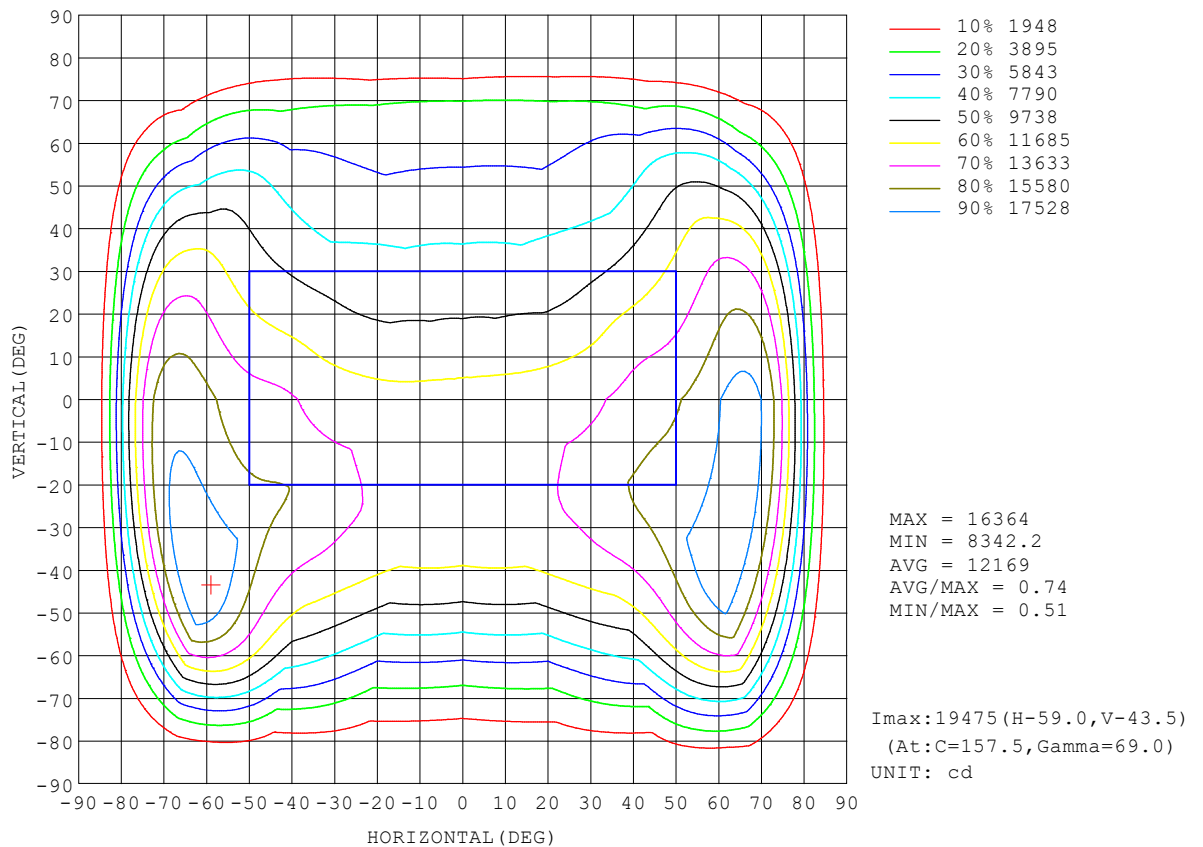
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1237	1289	1299	1283	1219	1133	1101	1147	0- 10	1164	1164	2.19,2.19
20	1266	1325	1320	1320	1231	1022	958.4	1048	10- 20	3398	4562	8.59,8.59
30	1330	1356	1288	1353	1282	920.3	842.4	953.6	20- 30	5441	10002	18.8,18.8
40	1455	1356	1147	1361	1380	838.8	739.5	883.7	30- 40	7262	17265	32.5,32.5
50	1543	1276	903.2	1302	1445	749.6	629.9	804.6	40- 50	8675	25939	48.9,48.9
60	1742	1057	616.8	1114	1607	661.7	527.0	725.2	50- 60	9437	35376	66.6,66.6
70	1749	722.8	301.6	786.1	1661	505.5	383.4	559.0	60- 70	9607	44983	84.7,84.7
80	680.0	252.7	105.0	259.7	728.0	160.2	79.86	151.6	70- 80	6643	51626	97.3,97.3
90	3.450	1.603	0.8304	1.353	0.9370	0.3342	0.1994	0.4448	80- 90	1310	52936	99.7,99.7
100	3.324	1.395	1.049	1.524	0.7704	0.2555	0.2116	0.2835	90-100	10.88	52947	99.7,99.7
110	3.824	1.869	1.336	1.972	1.492	0.5410	0.5010	0.7979	100-110	13.51	52960	99.8,99.8
120	3.750	2.107	1.390	2.245	2.881	1.743	1.351	1.649	110-120	18.26	52979	99.8,99.8
130	3.759	2.688	2.003	2.594	3.468	2.588	2.167	2.705	120-130	22.35	53001	99.8,99.8
140	4.139	3.276	2.735	3.015	3.628	3.017	2.790	3.221	130-140	22.87	53024	99.9,99.9
150	4.587	4.005	3.505	3.513	3.850	3.401	3.287	3.308	140-150	21.28	53045	99.9,99.9
160	5.223	4.690	4.127	4.015	4.676	4.341	3.883	3.403	150-160	17.96	53063	100,100
170	6.442	5.753	5.022	4.920	6.509	5.828	5.153	5.004	160-170	13.64	53077	100,100
180	6.525	5.836	5.090	5.426	6.649	5.921	5.165	5.513	170-180	5.483	53082	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.2℃
Operators:DAMIN
Test Date:2024-04-10

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

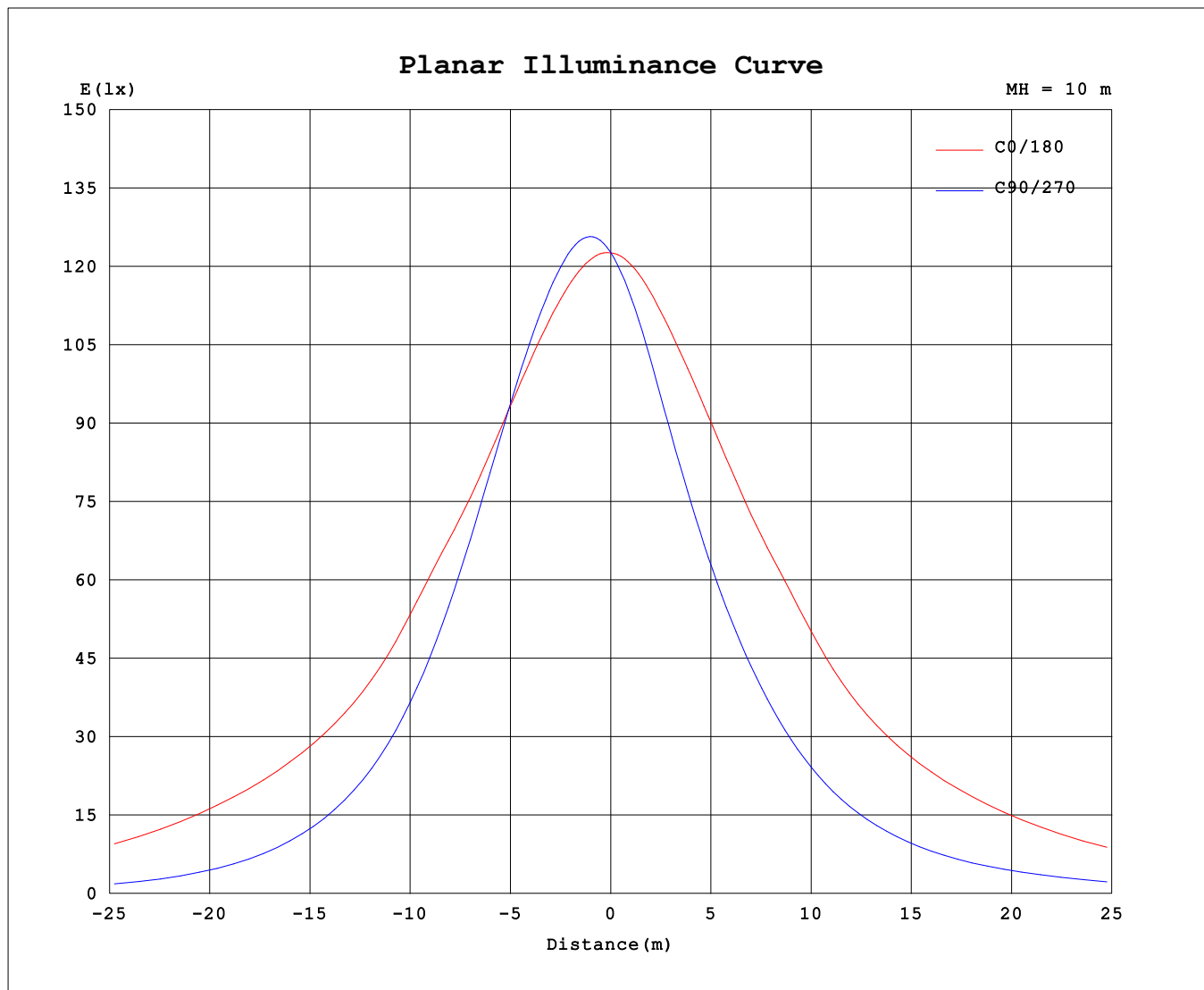
Test:U:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz Lamp Flux:53082.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.2°C
Operators:DAMIN
Test Date:2024-04-10

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



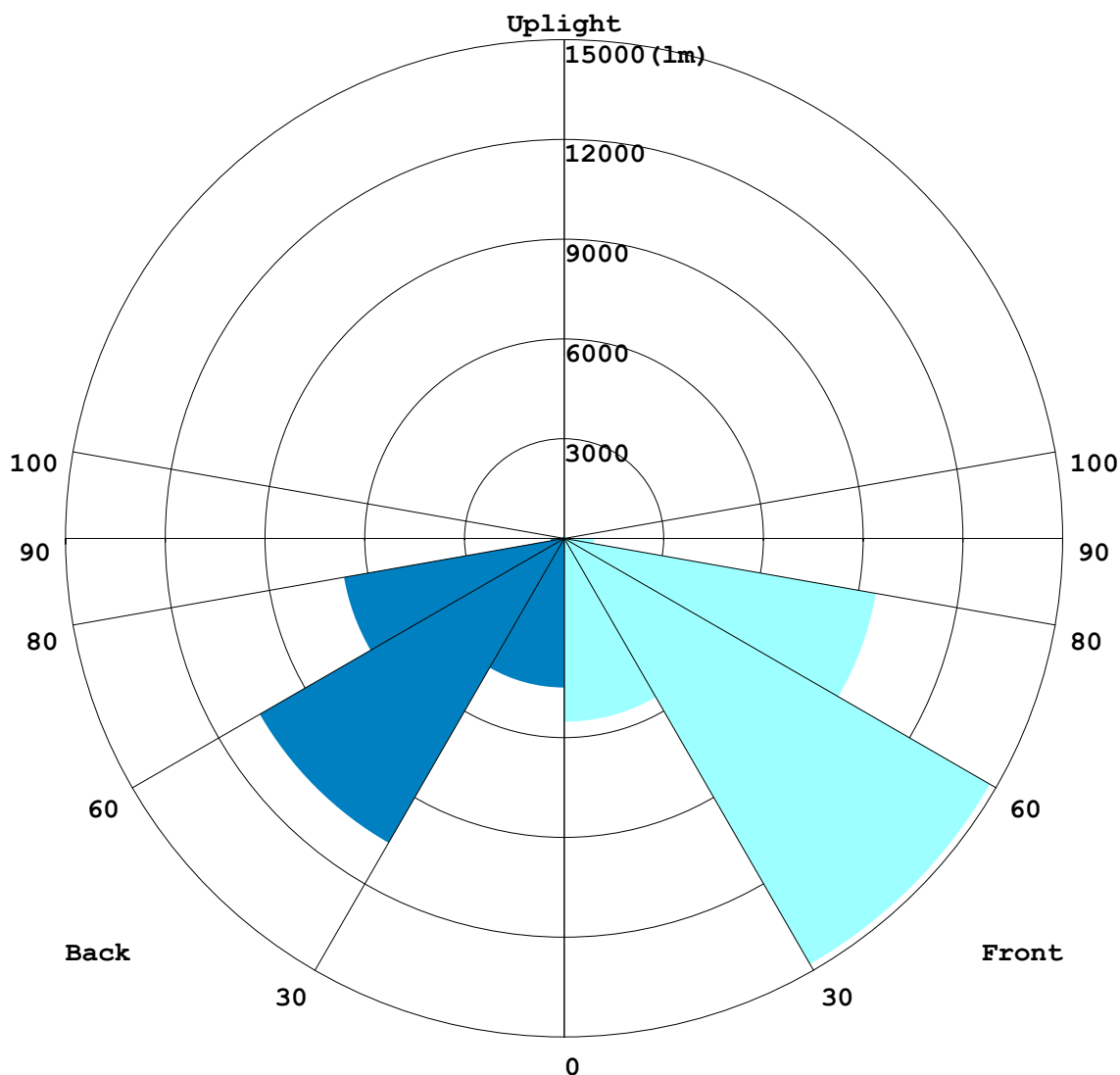
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.2°C
Operators:DAMIN
Test Date:2024-04-10

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:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz Lamp Flux:53082.1x1 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: 24.2℃
Operators:DAMIN
Test Date:2024-04-10

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:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz Lamp Flux:53082.1x1 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)	5514.5	10.4
FM - Front-Medium(30-60)	14795	27.9
FH - Front-High(60-80)	9527.7	17.9
FVH - Front-Very High(80-90)	905.59	1.7
Total Forward Light	30827	58.1

BL - Back-Low(0-30)	4487.8	8.5
BM - Back-Medium(30-60)	10579	19.9
BH - Back-High(60-80)	6722.1	12.7
BVH - Back-Very High(80-90)	404.73	0.8
Total Back Light	22255	41.9

UL - Uplight-Low(90-100)	10.884	0.0
UH - Uplight-High(100-180)	135.34	0.3
Total Up Light	146.22	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22193	61.563	22255
Street Side	30742	84.661	30827

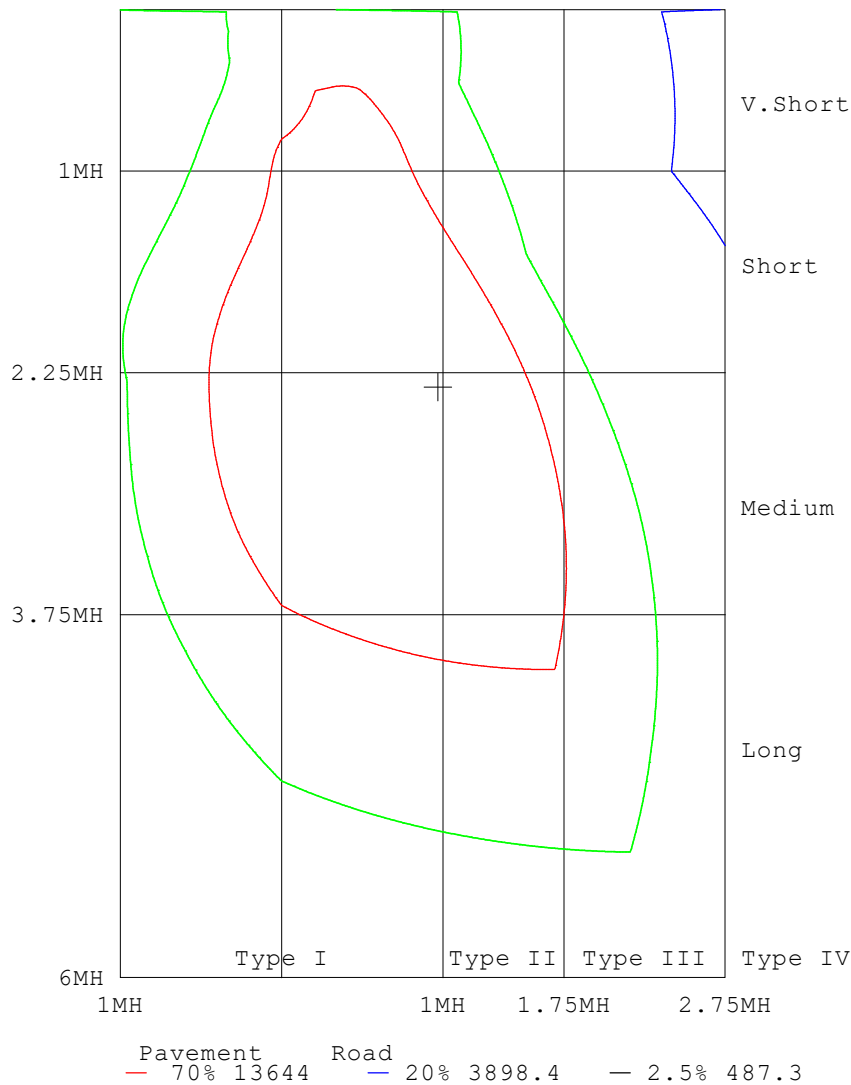
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C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.2℃
Operators:DAMIN
Test Date:2024-04-10

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:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz Lamp Flux:53082.1x1 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: 24.2°C
Operators:DAMIN
Test Date:2024-04-10

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:118.23V I:3.1443A P:371.33W PF:0.9988 Freq:60.01Hz Lamp Flux:53082.1x1 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	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226			
5	1230	1249	1262	1269	1270	1267	1257	1241	1222	1201	1183	1171	1168	1175	1190	1210			
10	1237	1270	1289	1298	1299	1295	1283	1258	1219	1174	1133	1107	1101	1113	1147	1192			
15	1248	1294	1309	1314	1314	1311	1303	1277	1221	1146	1078	1038	1027	1046	1100	1175			
20	1266	1321	1325	1322	1320	1321	1320	1303	1231	1121	1022	970	958	979	1048	1160			
25	1293	1355	1342	1321	1315	1320	1338	1337	1253	1101	969	909	897	918	998	1150			
30	1330	1395	1356	1304	1288	1304	1353	1376	1282	1089	920	854	842	863	954	1149			
35	1379	1442	1363	1263	1232	1262	1362	1422	1321	1088	880	805	792	812	918	1162			
40	1455	1512	1356	1193	1147	1193	1361	1485	1380	1091	839	752	739	761	884	1187			
45	1509	1594	1333	1095	1034	1095	1345	1563	1420	1081	793	695	684	705	843	1191			
50	1543	1633	1276	972	903	972	1302	1599	1445	1072	750	637	630	649	805	1197			
55	1622	1686	1181	834	765	834	1223	1657	1507	1071	706	581	577	595	767	1216			
60	1742	1770	1057	686	617	685	1114	1770	1607	1082	662	528	527	542	725	1241			
65	1833	1853	908	527	453	524	975	1902	1691	1061	607	479	479	491	674	1227			
70	1749	1831	723	365	302	361	786	1938	1661	898	505	399	383	418	559	1060			
75	1339	1596	487	230	189	226	525	1646	1349	617	341	222	197	249	351	735			
80	680	1052	253	132	105	128	260	970	728	251	160	87.6	79.9	101	152	293			
85	166	363	76.1	56.0	43.1	52.3	67.4	263	157	41.9	39.3	24.3	25.7	28.4	37.7	59.8			
90	3.45	2.91	1.60	1.01	0.83	0.91	1.35	2.64	0.94	0.55	0.33	0.23	0.20	0.26	0.44	0.78			
95	3.08	2.11	1.23	0.91	0.87	0.94	1.34	2.44	0.60	0.43	0.25	0.17	0.16	0.17	0.24	0.45			
100	3.32	2.30	1.40	1.06	1.05	1.10	1.52	2.55	0.77	0.48	0.26	0.19	0.21	0.29	0.28	0.48			
105	3.62	2.67	1.68	1.26	1.26	1.26	1.76	2.69	1.09	0.59	0.34	0.28	0.32	0.42	0.48	0.64			
110	3.82	2.97	1.87	1.53	1.34	1.50	1.97	2.78	1.49	0.90	0.54	0.49	0.50	0.67	0.80	0.97			
115	3.91	3.17	1.93	1.83	1.39	1.74	2.13	2.86	2.15	1.69	1.01	0.85	0.86	1.11	1.00	1.66			
120	3.75	3.19	2.11	2.03	1.39	1.93	2.25	2.80	2.88	2.53	1.74	1.35	1.35	1.70	1.65	2.54			
125	3.69	3.21	2.42	2.24	1.72	2.14	2.41	2.79	3.33	3.16	2.25	1.79	1.79	2.10	2.29	2.96			
130	3.76	3.18	2.69	2.48	2.00	2.34	2.59	2.87	3.47	3.33	2.59	2.15	2.17	2.45	2.70	3.01			
135	3.96	3.24	3.00	2.76	2.36	2.64	2.82	3.04	3.54	3.43	2.81	2.47	2.50	2.79	3.04	3.02			
140	4.14	3.41	3.28	3.05	2.74	2.95	3.02	3.21	3.63	3.52	3.02	2.78	2.79	3.00	3.22	3.01			
145	4.32	3.77	3.61	3.40	3.09	3.25	3.24	3.38	3.73	3.61	3.24	3.09	3.03	3.16	3.36	3.02			
150	4.59	4.27	4.00	3.81	3.50	3.56	3.51	3.60	3.85	3.66	3.40	3.36	3.29	3.22	3.31	3.01			
155	4.87	4.75	4.33	4.17	3.83	3.81	3.74	3.79	4.09	3.93	3.81	3.84	3.62	3.35	3.31	3.08			
160	5.22	5.21	4.69	4.51	4.13	4.06	4.02	4.04	4.68	4.52	4.34	4.26	3.88	3.50	3.40	3.42			
165	5.67	5.66	5.12	4.90	4.45	4.30	4.29	4.40	5.76	5.64	5.35	5.08	4.66	4.36	4.36	4.32			
170	6.44	6.38	5.75	5.42	5.02	4.81	4.92	5.17	6.51	6.39	5.83	5.52	5.15	4.93	5.00	5.03			
175	6.68	6.87	6.16	5.79	5.43	5.21	5.42	5.66	6.74	6.77	6.06	5.76	5.40	5.22	5.46	5.52			
180	6.53	6.56	5.84	5.42	5.09	5.00	5.43	5.68	6.65	6.67	5.92	5.49	5.16	5.07	5.51	5.78			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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γ Range: 0 - 180DEG
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