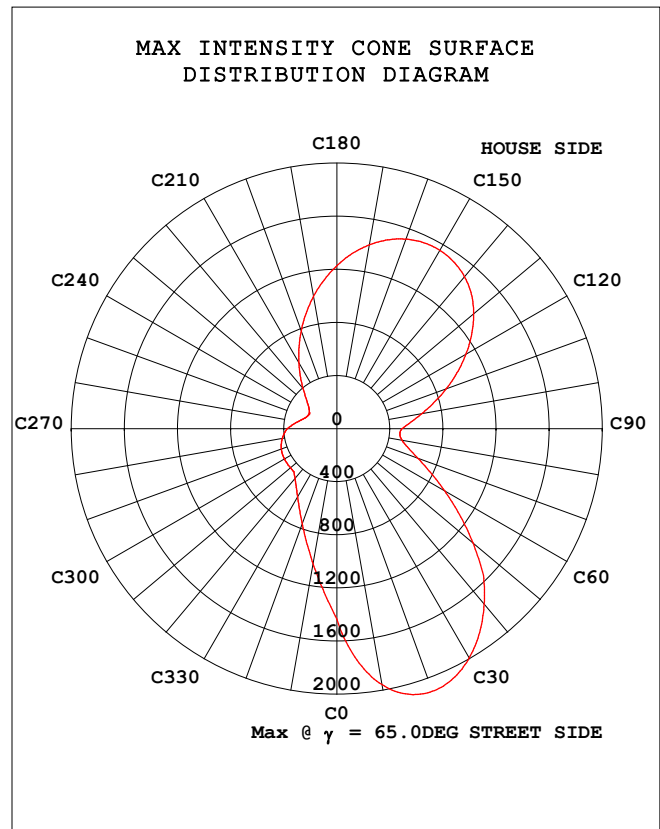
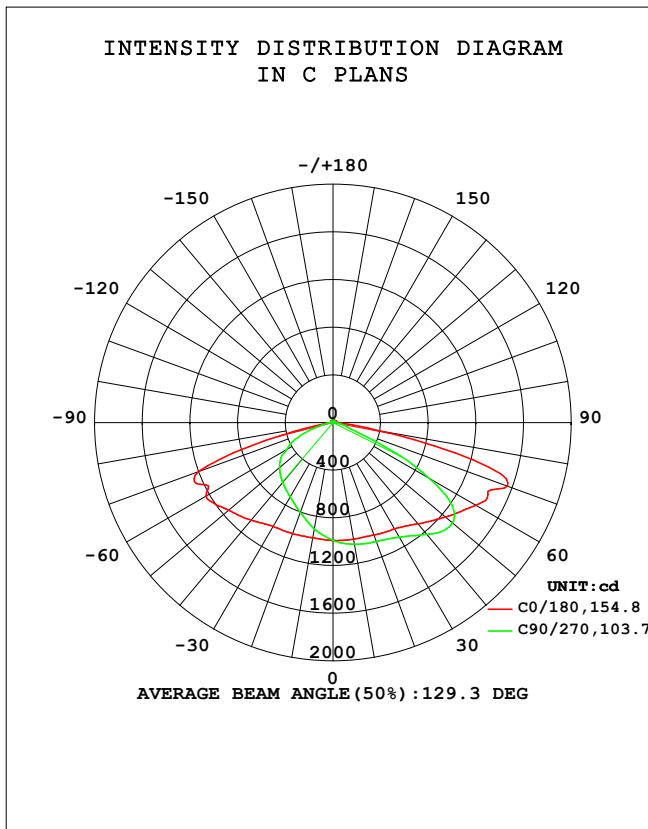


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.64 lm/W			
MODEL		I _{max} (cd)	1561	η street_up (%)	1.5
NOMINAL POWER (W)	40W	LOR (%)	100.0	η street_down (%)	60.9
RATED VOLTAGE (V)		TOTAL FLUX (lm)	4626	η house_up (%)	0.8
NOMINAL FLUX (lm)	4626.28	MAXIMUM @ (C, γ)	45, 65.0	η house_down (%)	36.8
LAMPS INSIDE	1	η up (%)	2.3	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	97.7	SLI	19.707

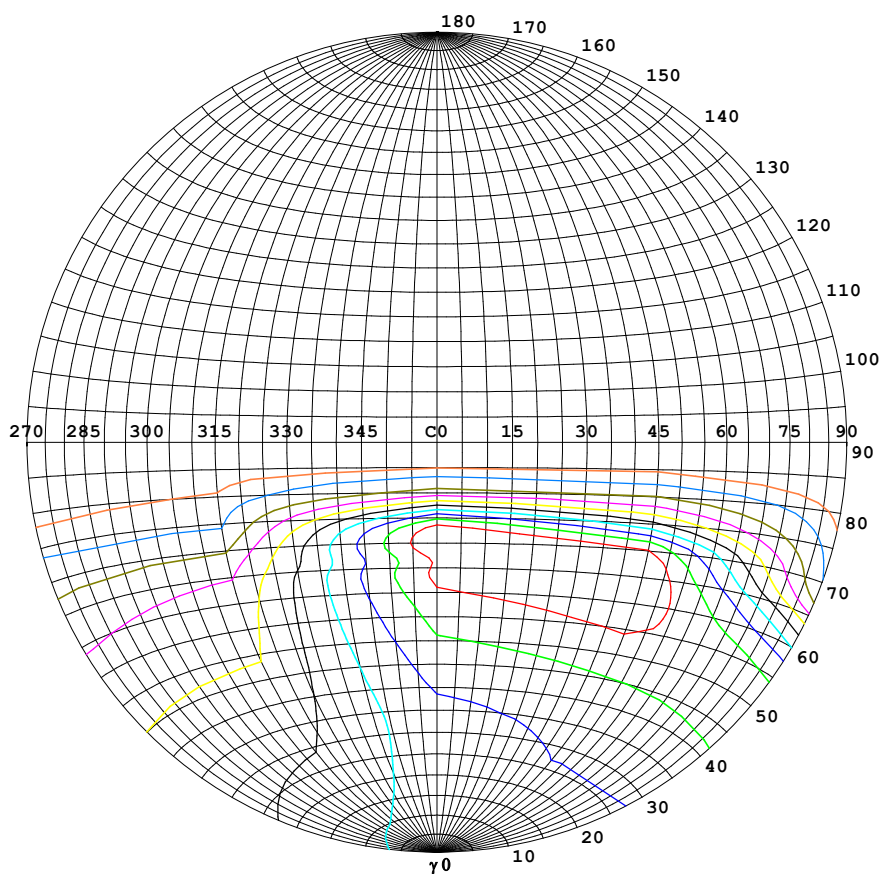


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



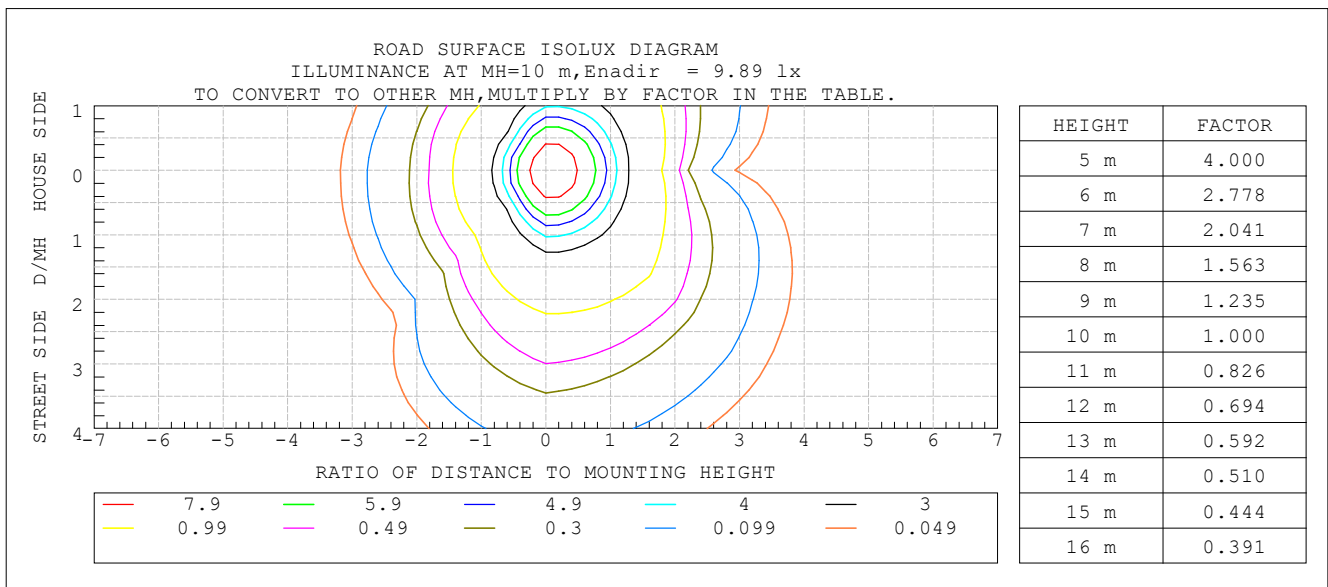
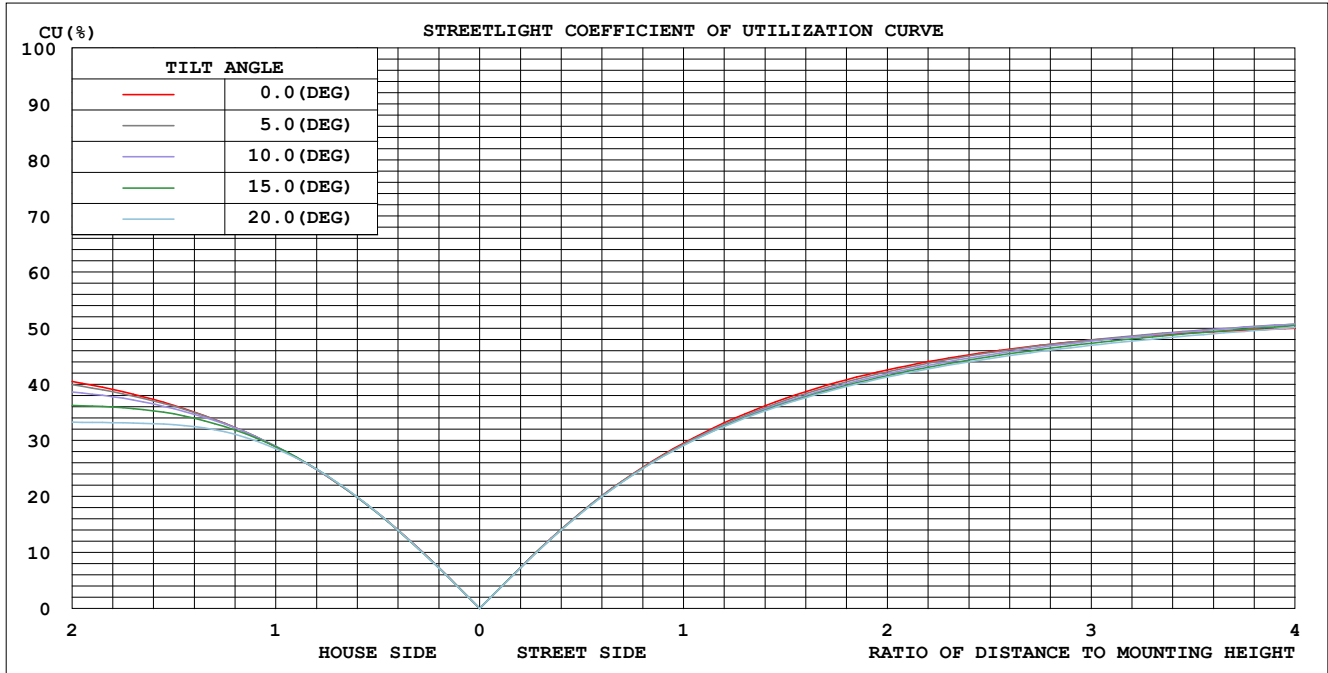
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:83.64cd/klm
Max.At90:7.418cd/klm
Max.80-90:83.64cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1561
90%	1405
80%	1249
70%	1093
60%	937
50%	781
40%	625
30%	468
20%	312
10%	156
5%	78

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

gamma Range: 0 - 180DEG
gamma Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

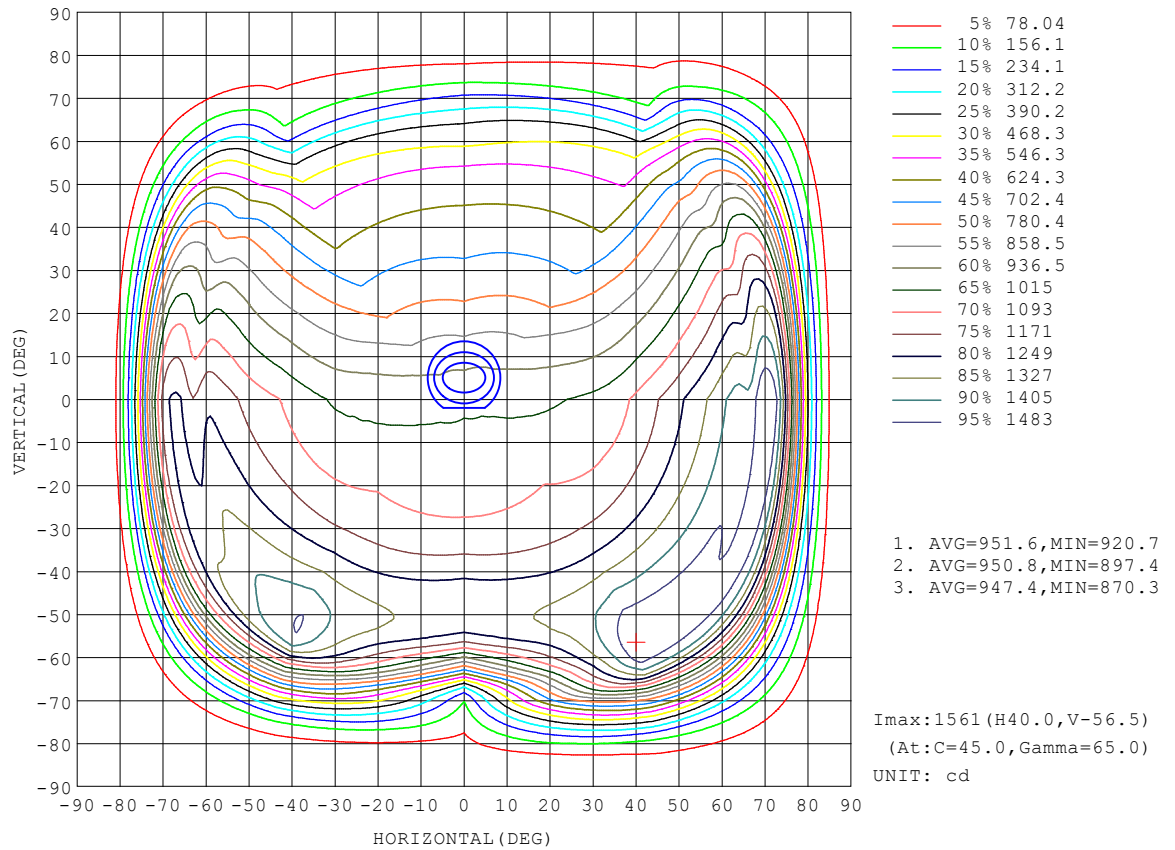
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	994.3	1031	1037	1024	982.7	922.2	907.5	935.3	0- 10	93.89	93.89	2.03,2.03
20	1005	1070	1063	1055	992.9	835.6	803.9	856.7	10- 20	274.6	368.5	7.97,7.97
30	1032	1105	1110	1098	1006	743.8	720.7	771.4	20- 30	440.9	809.4	17.5,17.5
40	1110	1176	1225	1171	1069	660.4	657.9	688.1	30- 40	600.6	1410	30.5,30.5
50	1232	1327	1309	1328	1145	582.7	587.2	614.5	40- 50	769.7	2180	47.1,47.1
60	1389	1515	929.5	1488	1234	463.8	448.5	533.3	50- 60	915.9	3096	66.9,66.9
70	1558	1414	161.8	973.1	1199	165.1	252.2	297.3	60- 70	891.5	3987	86.2,86.2
80	387.0	317.7	58.53	118.5	112.8	55.48	57.91	83.73	70- 80	470.7	4458	96.4,96.4
90	34.32	31.87	17.12	21.72	13.86	9.945	11.66	18.43	80- 90	62.07	4520	97.7,97.7
100	23.89	19.94	13.88	16.63	15.62	11.80	10.50	13.97	90-100	18.09	4538	98.1,98.1
110	22.42	16.62	12.63	13.88	17.60	14.56	13.51	16.81	100-110	16.71	4555	98.5,98.5
120	21.10	16.36	12.36	13.01	18.77	16.46	16.49	17.88	110-120	16.16	4571	98.8,98.8
130	20.20	16.21	12.75	12.94	20.45	18.67	17.75	18.69	120-130	15.11	4586	99.1,99.1
140	20.25	16.79	13.56	13.58	21.02	20.39	18.80	19.32	130-140	13.61	4599	99.4,99.4
150	19.38	17.71	14.15	14.42	20.59	20.48	19.95	18.95	140-150	11.41	4611	99.7,99.7
160	19.84	18.43	15.78	15.18	19.99	19.96	19.44	17.98	150-160	8.428	4619	99.8,99.8
170	19.81	18.91	16.99	15.90	19.83	19.46	18.66	17.13	160-170	5.200	4625	100,100
180	19.84	19.25	17.89	16.57	19.94	19.18	17.96	16.52	170-180	1.751	4626	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

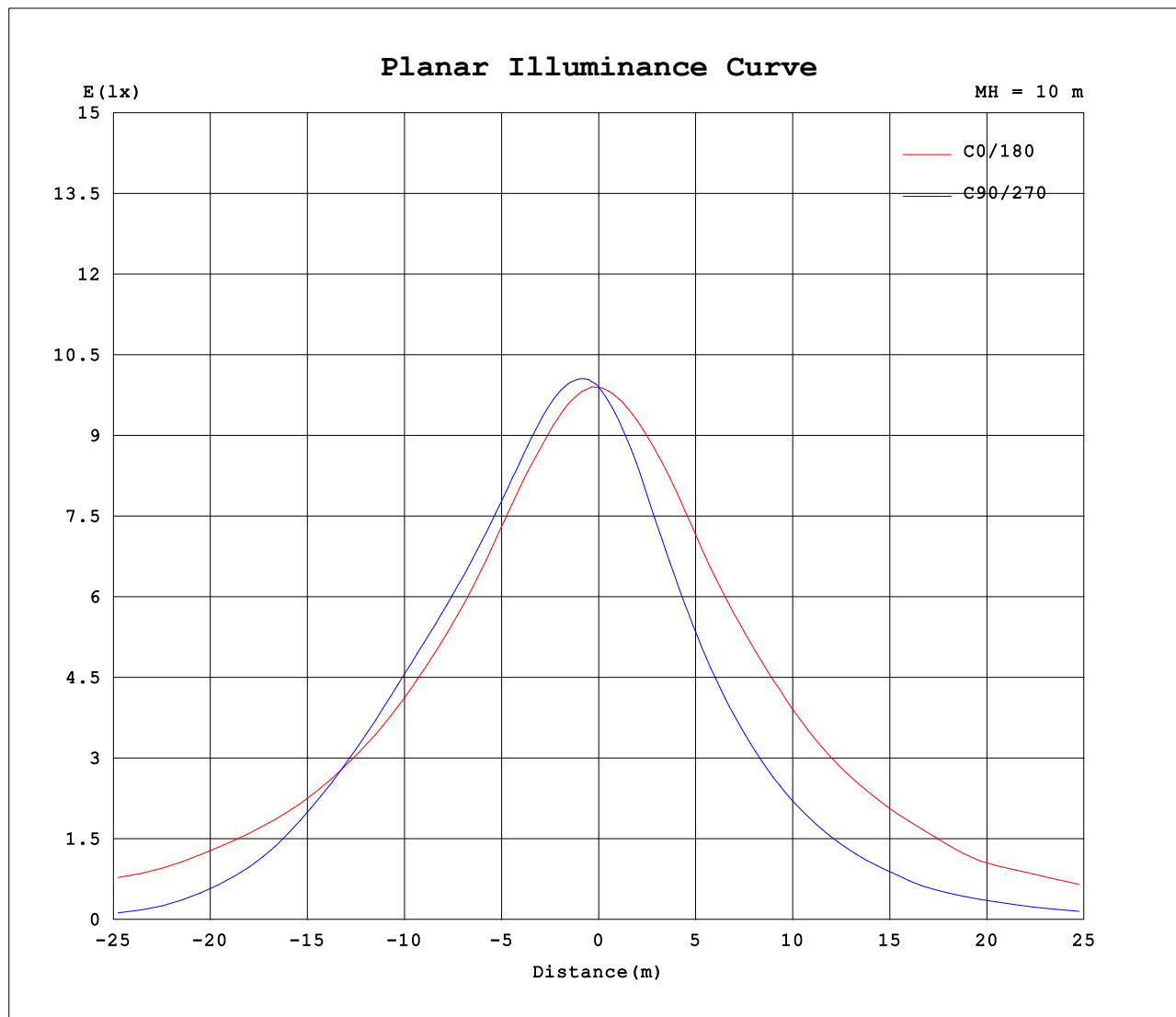
Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



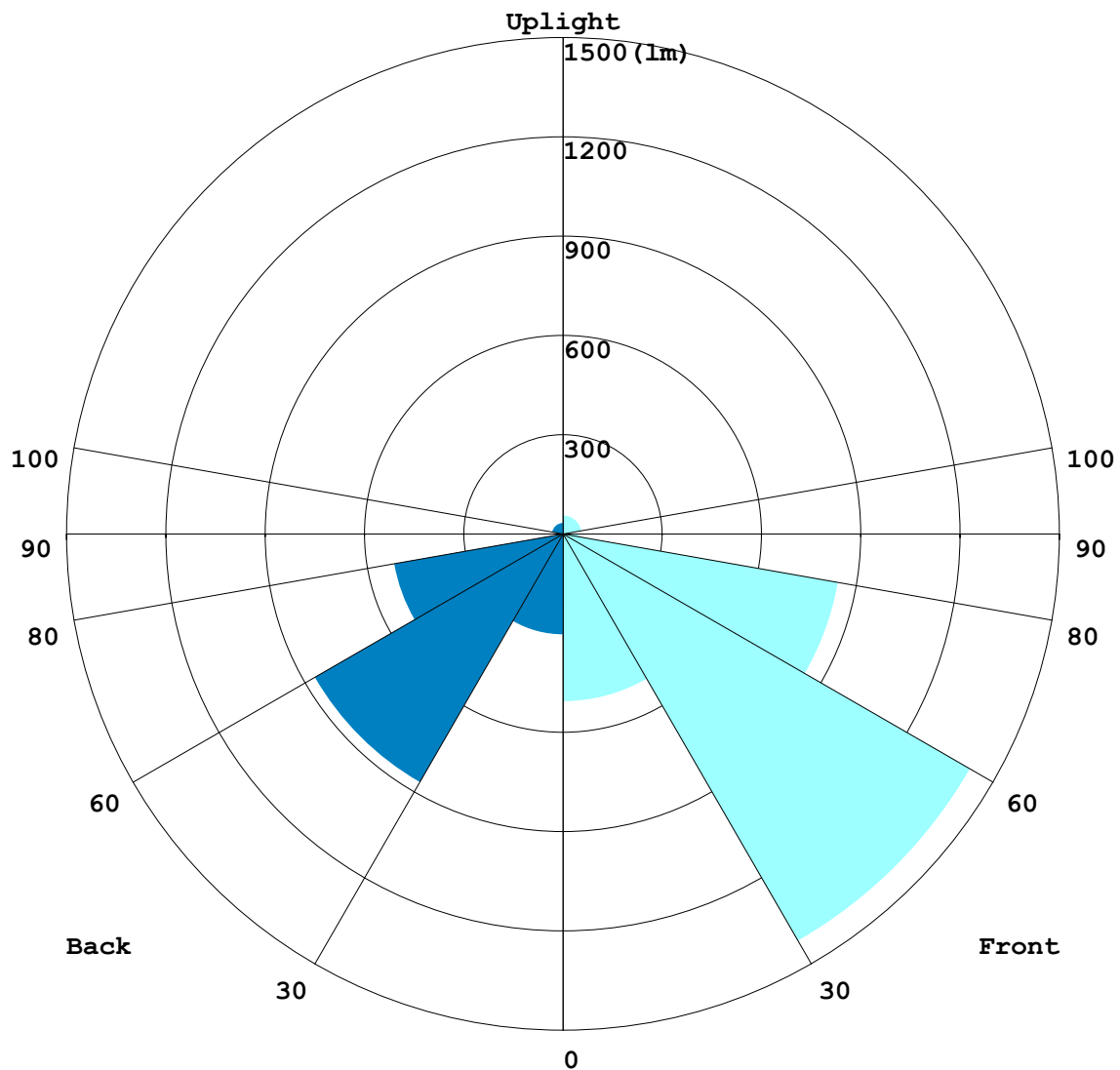
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LCS REPORT

Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

BUG REPORT

Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 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)	505.87	10.9
FM - Front-Medium(30-60)	1420.1	30.7
FH - Front-High(60-80)	843.78	18.2
FVH - Front-Very High(80-90)	46.846	1.0
Total Forward Light	2884.3	62.3

BL - Back-Low(0-30)	303.49	6.6
BM - Back-Medium(30-60)	866.06	18.7
BH - Back-High(60-80)	518.39	11.2
BVH - Back-Very High(80-90)	15.222	0.3
Total Back Light	1742	37.7

UL - Uplight-Low(90-100)	18.089	0.4
UH - Uplight-High(100-180)	88.388	1.9
Total Up Light	106.48	2.3

BUG (Back, Up, Glare) Rating	B2-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1703.2	38.801	1742
Street Side	2816.6	67.676	2884.3

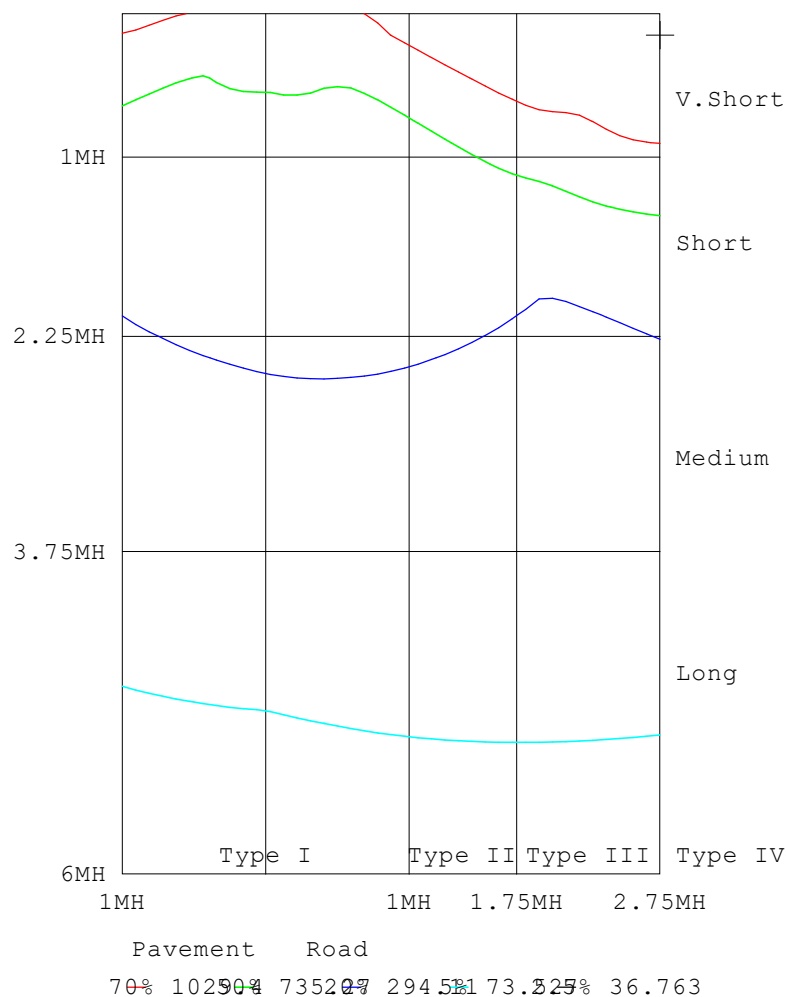
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.8V I:0.1872A P:40.36W PF:0.985 Freq:49.99Hz Lamp Flux:4626.28x1 lm								
NAME:				TYPE:				WEIGHT:
SPEC.:				DIM.:				SERIAL No.:
MFR.: EVERFINE				SUR.:				Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	990	987	990	989	990	987	990	989										
5	993	1012	1017	1005	985	957	951	966										
10	994	1031	1037	1024	983	922	908	935										
15	996	1053	1052	1041	986	880	854	898										
20	1005	1070	1063	1055	993	836	804	857										
25	1017	1086	1079	1072	999	790	761	814										
30	1032	1105	1110	1098	1006	744	721	771										
35	1062	1135	1158	1128	1032	702	690	728										
40	1110	1176	1225	1171	1069	660	658	688										
45	1168	1241	1293	1243	1106	621	625	649										
50	1232	1327	1309	1328	1145	583	587	615										
55	1305	1421	1223	1423	1200	536	538	579										
60	1389	1515	929	1488	1234	464	449	533										
65	1434	1561	491	1435	1228	331	375	460										
70	1558	1414	162	973	1199	165	252	297										
75	1222	817	102	464	590	95.9	124	142										
80	387	318	58.5	119	113	55.5	57.9	83.7										
85	75.4	70.8	30.8	36.1	32.0	24.4	28.2	46.9										
90	34.3	31.9	17.1	21.7	13.9	9.95	11.7	18.4										
95	25.9	22.7	15.1	19.1	14.4	10.6	9.77	12.2										
100	23.9	19.9	13.9	16.6	15.6	11.8	10.5	14.0										
105	23.0	17.8	13.1	14.9	16.6	13.2	11.6	15.7										
110	22.4	16.6	12.6	13.9	17.6	14.6	13.5	16.8										
115	21.6	16.4	12.4	13.3	18.3	15.6	15.3	17.4										
120	21.1	16.4	12.4	13.0	18.8	16.5	16.5	17.9										
125	20.5	16.2	12.5	12.9	19.5	17.5	17.3	18.3										
130	20.2	16.2	12.8	12.9	20.5	18.7	17.8	18.7										
135	20.2	16.4	13.1	13.2	21.0	19.7	18.1	19.1										
140	20.2	16.8	13.6	13.6	21.0	20.4	18.8	19.3										
145	20.2	17.2	14.0	14.0	20.9	20.6	19.6	19.3										
150	19.4	17.7	14.1	14.4	20.6	20.5	20.0	18.9										
155	19.1	18.1	14.7	14.8	20.2	20.2	19.8	18.5										
160	19.8	18.4	15.8	15.2	20.0	20.0	19.4	18.0										
165	19.9	18.7	16.5	15.5	19.9	19.7	19.0	17.5										
170	19.8	18.9	17.0	15.9	19.8	19.5	18.7	17.1										
175	19.8	19.1	17.5	16.2	19.9	19.3	18.3	16.8										
180	19.8	19.2	17.9	16.6	19.9	19.2	18.0	16.5										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	989.8	987.5	990.4	989.0	989.8	987.5	990.4	989.0
3.0	991.7	1003	1009	999.3	986.8	970.3	966.8	976.2
6.0	992.7	1017	1022	1009	984.0	950.0	942.5	959.6
9.0	994.3	1027	1034	1020	982.8	930.0	916.3	942.3
12.0	993.9	1037	1043	1032	983.2	905.0	887.4	920.5
15.0	995.7	1053	1052	1041	985.6	879.8	853.9	898.2
18.0	1000.0	1066	1058	1049	989.5	853.6	823.9	873.2
21.0	1007	1074	1066	1056	993.8	825.8	795.3	848.1
24.0	1015	1081	1077	1068	996.4	799.2	768.7	823.3
27.0	1022	1093	1090	1081	1000	770.1	744.0	796.4
30.0	1032	1105	1110	1098	1006	743.8	720.7	771.4
33.0	1047	1120	1137	1115	1020	720.1	700.5	744.8
36.0	1069	1140	1171	1136	1040	692.8	682.8	719.9
39.0	1098	1166	1210	1163	1061	669.0	664.1	695.4
42.0	1133	1201	1254	1197	1085	645.3	644.8	672.5
45.0	1168	1241	1293	1243	1106	621.5	624.8	648.8
48.0	1205	1291	1312	1293	1128	599.1	603.0	628.1
51.0	1247	1348	1303	1347	1154	574.2	578.8	608.3
54.0	1289	1404	1253	1404	1189	545.3	547.8	586.5
57.0	1334	1459	1138	1454	1219	509.8	512.5	563.4
60.0	1389	1515	929.5	1488	1234	463.8	448.5	533.3
63.0	1437	1552	690.0	1485	1173	401.5	406.1	495.2
66.0	1425	1555	388.1	1383	1255	296.2	349.1	438.1
69.0	1537	1472	192.7	1078	1240	191.7	276.8	336.3
72.0	1528	1204	133.5	765.5	1002	131.1	194.9	218.9
75.0	1222	816.5	102.3	463.9	589.6	95.86	124.5	141.8
78.0	697.0	492.4	74.28	223.0	241.2	70.82	77.69	102.4
81.0	299.9	232.8	51.57	88.45	76.55	48.51	50.92	75.73
84.0	102.1	87.84	34.81	41.77	39.87	29.58	33.14	53.58
87.0	54.38	47.65	24.37	27.37	19.91	15.71	20.21	33.67
90.0	34.32	31.87	17.12	21.72	13.86	9.945	11.66	18.43
93.0	26.56	23.75	15.74	20.16	14.08	10.29	9.541	11.92
96.0	25.49	22.11	14.80	18.57	14.66	10.83	9.880	12.47
99.0	24.24	20.48	14.08	17.07	15.39	11.53	10.33	13.58
102.0	23.44	18.98	13.54	15.83	16.09	12.37	10.87	14.74
105.0	22.99	17.80	13.12	14.90	16.61	13.22	11.60	15.70
108.0	22.70	16.96	12.78	14.22	17.25	14.06	12.69	16.43
111.0	22.24	16.53	12.54	13.75	17.76	14.77	13.87	16.97
114.0	21.73	16.41	12.43	13.42	18.17	15.39	14.97	17.34
117.0	21.27	16.42	12.37	13.18	18.52	15.93	15.90	17.63
120.0	21.10	16.36	12.36	13.01	18.77	16.46	16.49	17.88
123.0	20.78	16.27	12.43	12.91	19.15	17.03	17.01	18.09
126.0	20.43	16.15	12.54	12.86	19.67	17.75	17.40	18.33
129.0	20.22	16.18	12.69	12.90	20.26	18.44	17.67	18.62
132.0	20.16	16.30	12.87	13.03	20.75	19.13	17.88	18.83
135.0	20.15	16.43	13.09	13.22	21.01	19.69	18.10	19.06
138.0	20.18	16.65	13.37	13.43	21.06	20.17	18.44	19.20
141.0	20.28	16.90	13.66	13.66	21.00	20.47	18.97	19.34
144.0	20.34	17.14	13.93	13.92	20.95	20.57	19.48	19.33
147.0	19.90	17.43	14.04	14.20	20.79	20.58	19.81	19.21
150.0	19.38	17.71	14.15	14.42	20.59	20.48	19.95	18.95
153.0	19.01	17.97	14.31	14.65	20.37	20.33	19.93	18.67
156.0	19.28	18.20	14.86	14.87	20.16	20.19	19.76	18.38
159.0	19.72	18.38	15.57	15.09	20.01	20.01	19.54	18.13
162.0	19.96	18.57	16.15	15.31	19.92	19.86	19.28	17.78
165.0	19.89	18.71	16.50	15.51	19.86	19.69	19.04	17.50
168.0	19.84	18.87	16.80	15.74	19.82	19.57	18.84	17.26
171.0	19.82	18.93	17.08	15.96	19.84	19.44	18.58	17.04
174.0	19.81	19.01	17.36	16.15	19.84	19.31	18.35	16.85
177.0	19.85	19.14	17.66	16.37	19.94	19.25	18.16	16.67
180.0	19.84	19.25	17.89	16.57	19.94	19.18	17.96	16.52

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks: