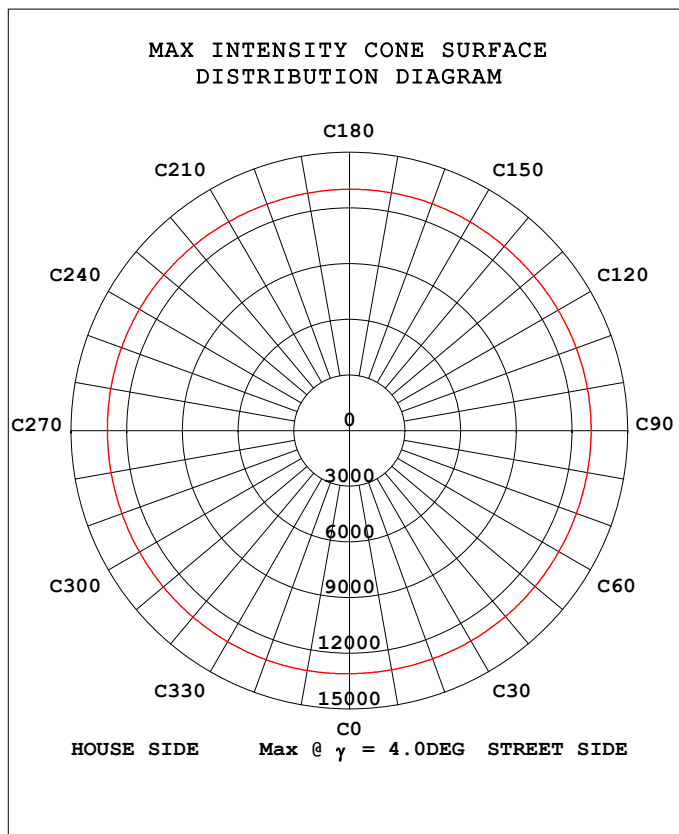
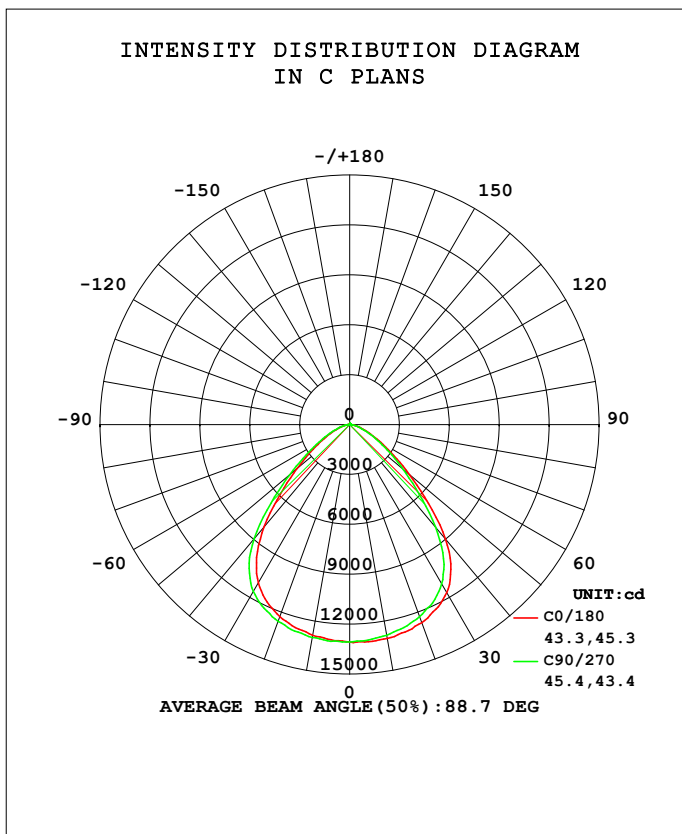


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.07 lm/W			
MODEL		I _{max} (cd)	13138	η street_up (%)	0.3
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	49.0
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	26552	η house_up (%)	0.1
NOMINAL FLUX (lm)	26552	MAXIMUM @ (C, γ)	338,4.0	η house_down (%)	50.6
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	21.844

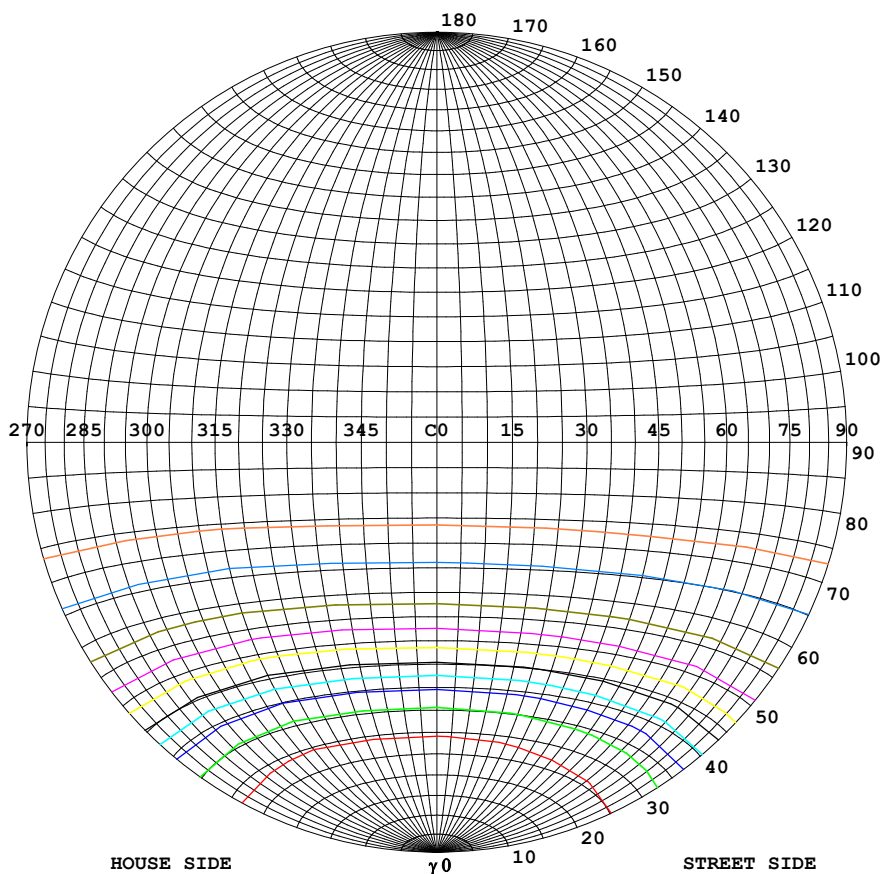


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



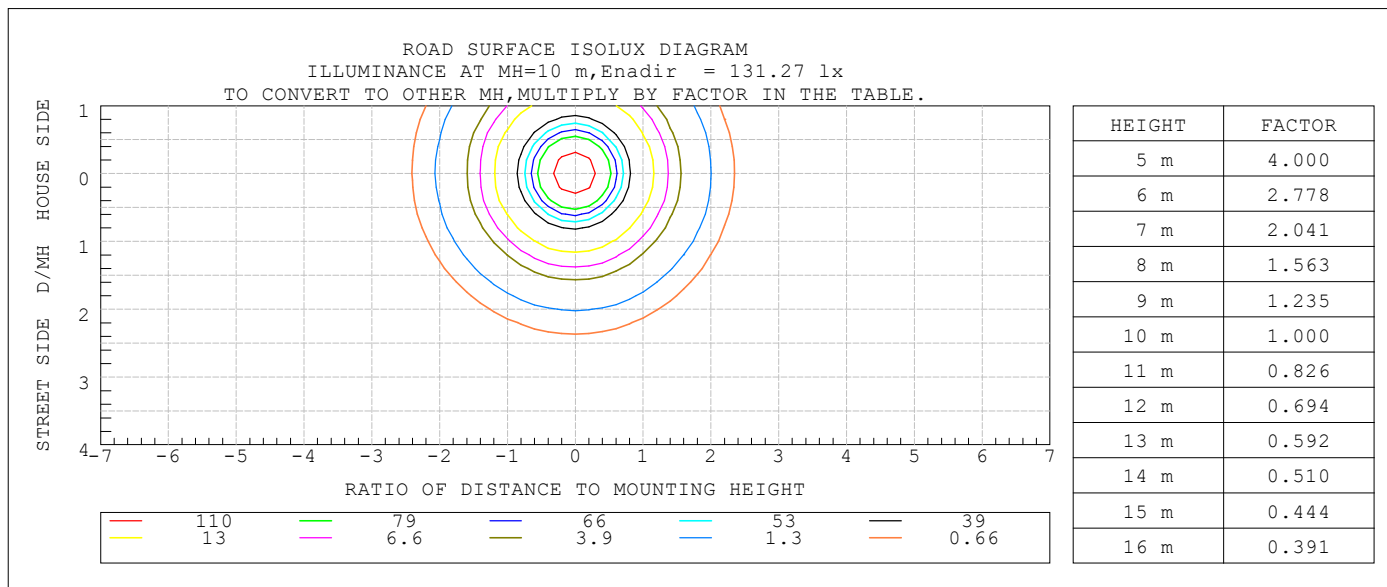
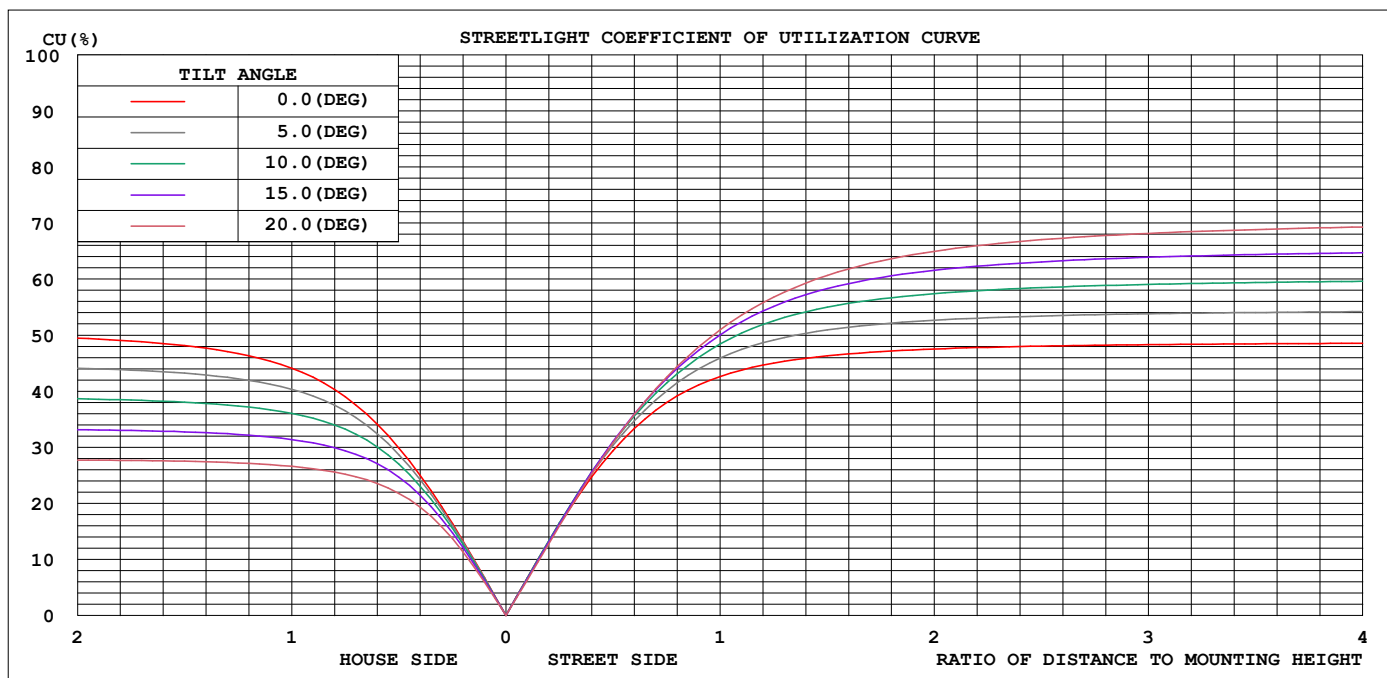
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.00cd/klm
Max.At90:0.0982cd/klm
Max.80-90:12.00cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		13138
90%		11825
80%		10511
70%		9197
60%		7883
50%		6569
40%		5255
30%		3942
20%		2628
10%		1314
5%		657

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

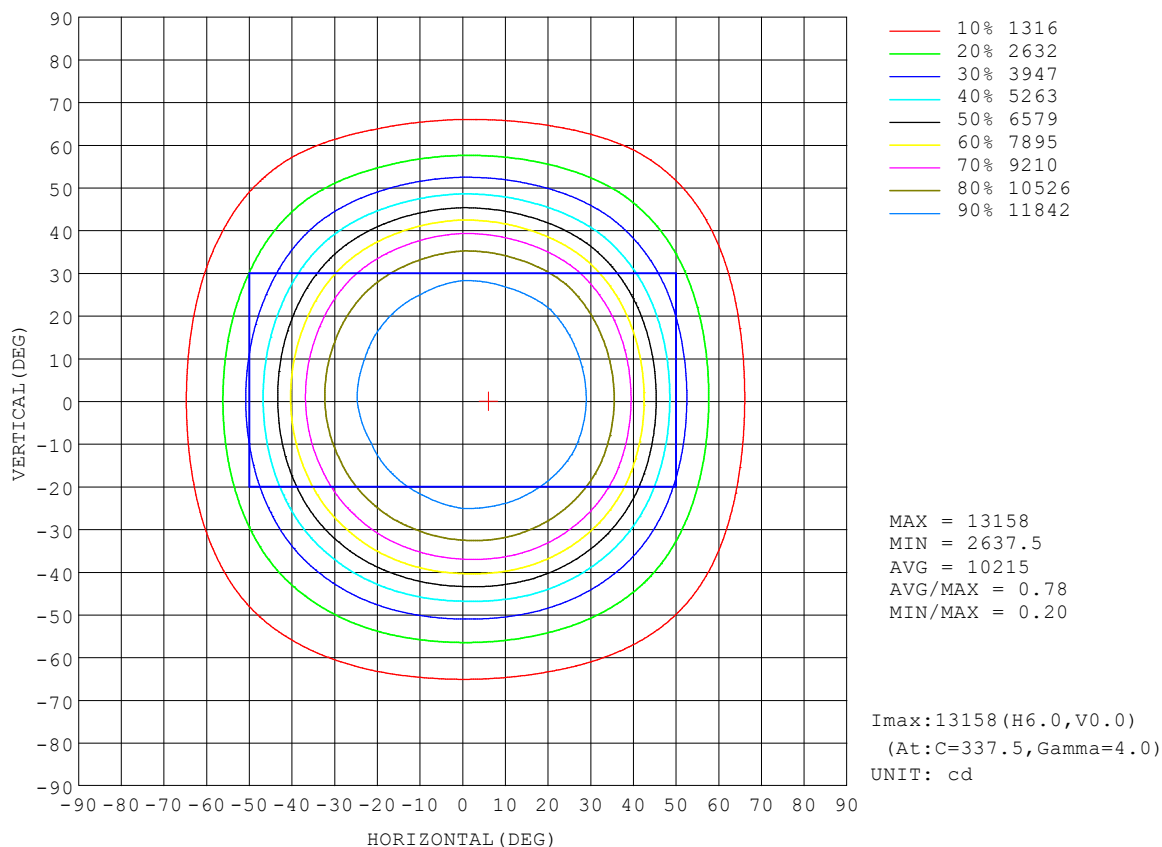
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1306	1295	1286	1280	1287	1289	1300	1305	0- 10	1241	1241	4.67,4.67
20	1268	1247	1229	1217	1229	1241	1259	1271	10- 20	3601	4842	18.2,18.2
30	1166	1139	1107	1085	1100	1127	1158	1177	20- 30	5522	10364	39,39
40	897.5	858.3	802.9	772.5	799.3	848.0	892.3	915.8	30- 40	6308	16671	62.8,62.8
50	471.5	445.3	422.6	408.7	416.7	449.0	474.3	492.6	40- 50	4897	21568	81.2,81.2
60	219.2	206.5	200.4	192.6	193.3	207.3	215.4	227.9	50- 60	2798	24366	91.8,91.8
70	91.70	85.56	84.42	80.30	80.74	86.84	91.26	97.25	60- 70	1382	25748	97,97
80	30.11	27.82	27.49	26.08	26.51	28.18	29.81	31.87	70- 80	577.4	26325	99.1,99.1
90	0.2542	0.2471	0.2424	0.2456	0.1162	0.1372	0.1513	0.1528	80- 90	119.2	26444	99.6,99.6
100	0.3631	0.3886	0.4074	0.4290	0.0797	0.0777	0.0777	0.0763	90-100	2.026	26446	99.6,99.6
110	0.8017	0.8604	0.9077	0.9441	0.1467	0.1418	0.1376	0.1334	100-110	3.772	26450	99.6,99.6
120	1.533	1.611	1.685	1.735	0.4019	0.3842	0.3699	0.3591	110-120	7.316	26458	99.6,99.6
130	2.413	2.502	2.587	2.638	1.073	1.027	0.9718	0.9488	120-130	12.24	26470	99.7,99.7
140	3.414	3.502	3.574	3.636	2.084	2.006	1.920	1.890	130-140	17.31	26487	99.8,99.8
150	4.536	4.625	4.678	4.741	3.317	3.240	3.142	3.113	140-150	20.84	26508	99.8,99.8
160	5.576	5.642	5.711	5.743	4.920	4.819	4.696	4.669	150-160	20.94	26529	99.9,99.9
170	6.707	6.752	6.766	6.798	6.598	6.549	6.465	6.411	160-170	16.58	26545	100,100
180	6.897	6.902	6.885	6.864	7.032	7.040	7.021	6.996	170-180	6.621	26552	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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

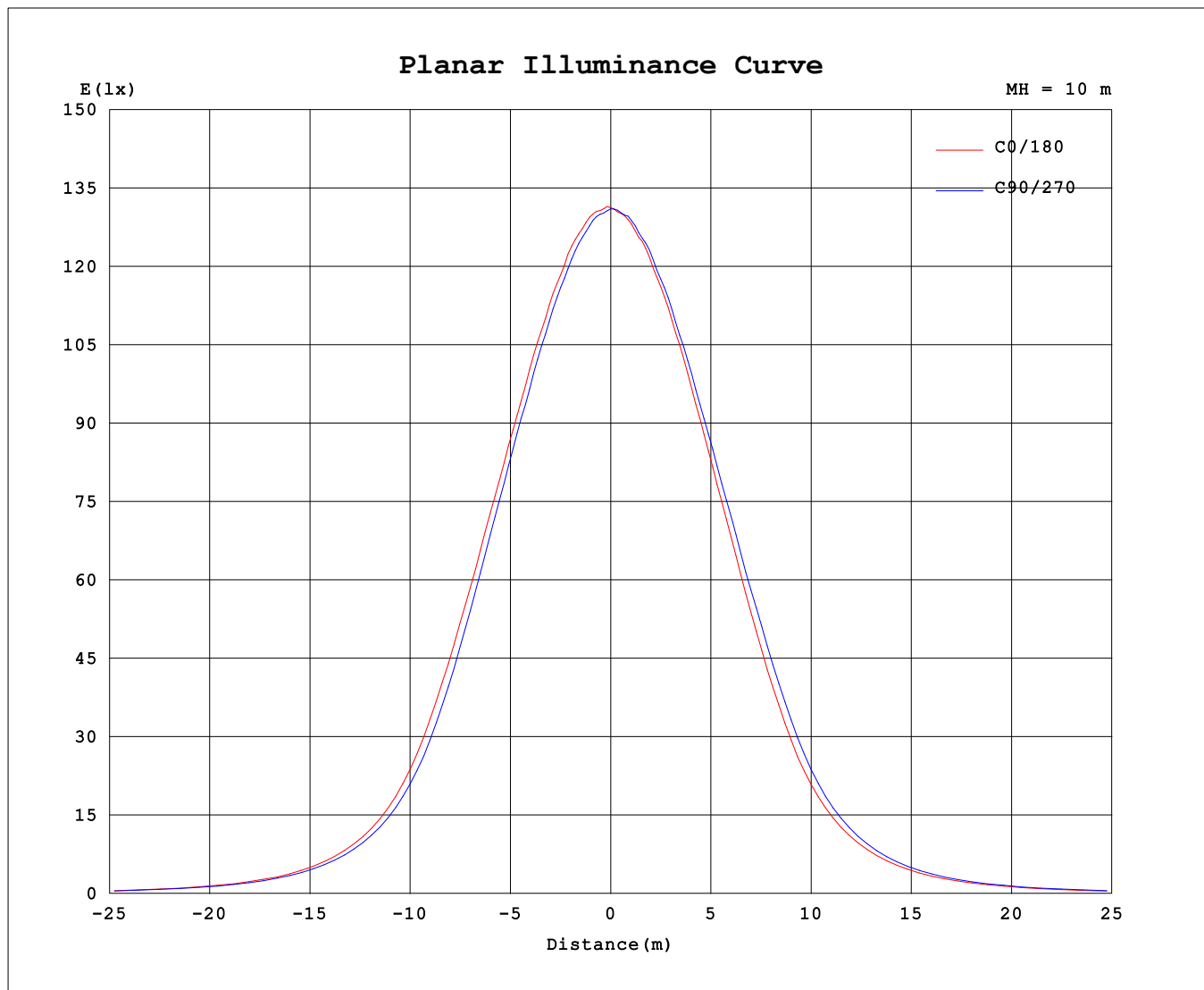
Test:U:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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

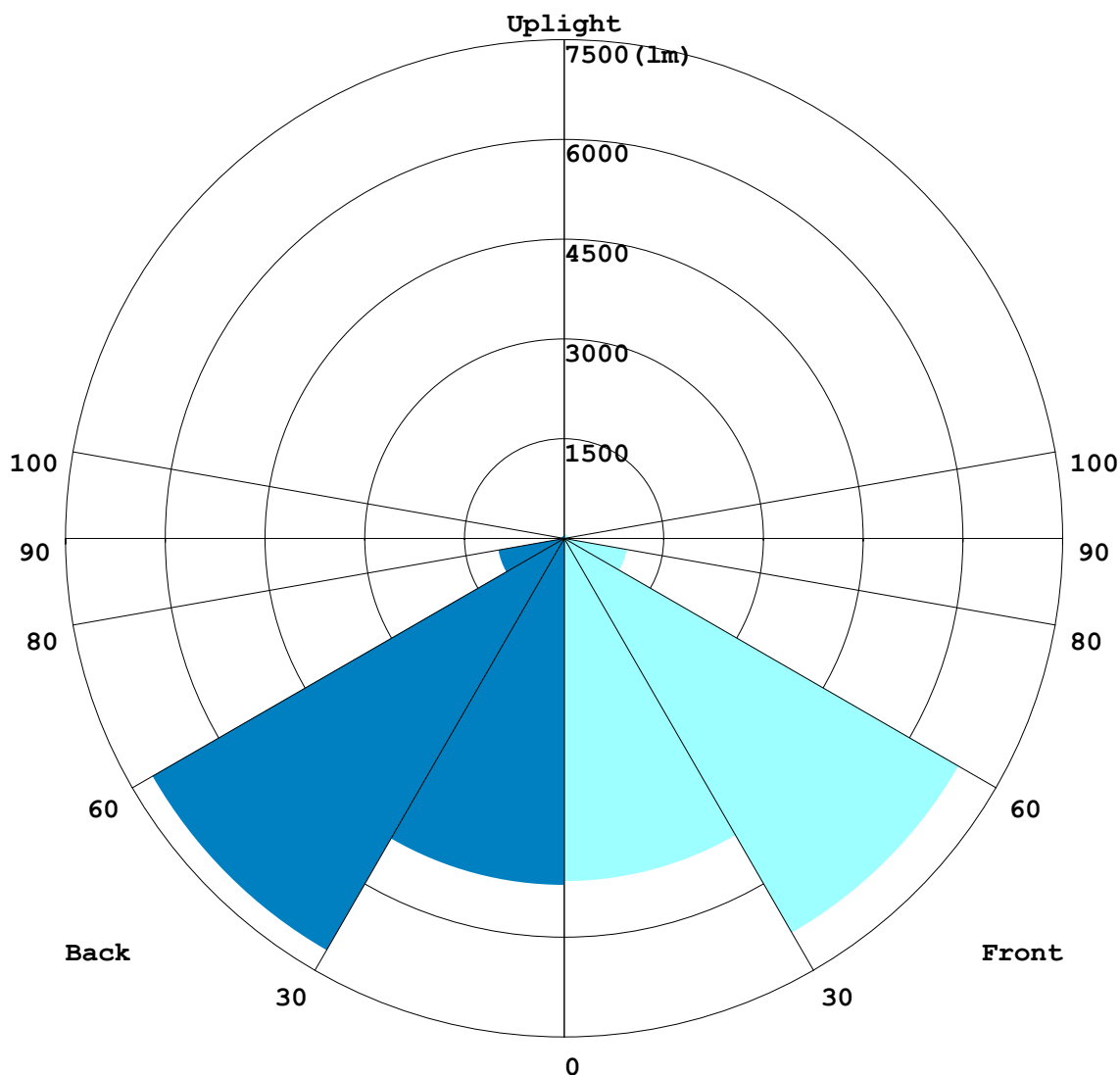


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 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: 23.5℃
 Operators:DAMIN
 Test Date:2023-12-15

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:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 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)	5153.4	19.4
FM - Front-Medium(30-60)	6849.7	25.8
FH - Front-High(60-80)	956.26	3.6
FVH - Front-Very High(80-90)	58.093	0.2
Total Forward Light	13086	49.3

BL - Back-Low(0-30)	5210.1	19.6
BM - Back-Medium(30-60)	7153	26.9
BH - Back-High(60-80)	1002.7	3.8
BVH - Back-Very High(80-90)	61.098	0.2
Total Back Light	13466	50.7

UL - Uplight-Low(90-100)	2.026	0.0
UH - Uplight-High(100-180)	105.61	0.4
Total Up Light	107.63	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13427	38.816	13466
Street Side	13017	68.817	13086

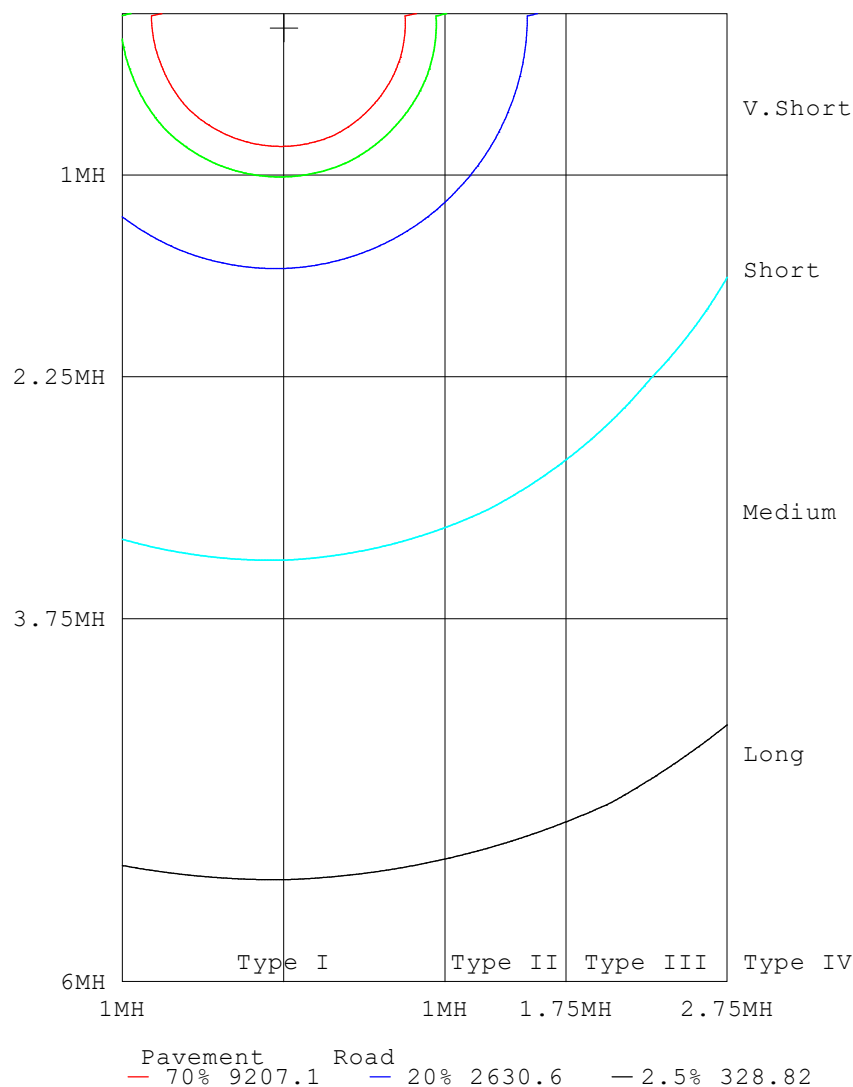
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 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: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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:280.44V I:0.7032A P:196.58W PF:0.9969 Freq:60.01Hz Lamp Flux:26552x1 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	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307			
5	1310	1307	1304	1301	1301	1298	1297	1299	1299	1300	1301	1306	1308	1310	1310	1311			
10	1306	1301	1295	1289	1286	1283	1280	1281	1287	1286	1289	1296	1300	1303	1305	1307			
15	1290	1284	1274	1269	1263	1261	1256	1257	1263	1264	1269	1279	1285	1289	1294	1296			
20	1268	1258	1247	1240	1229	1224	1217	1221	1229	1232	1241	1250	1259	1263	1271	1272			
25	1226	1218	1206	1194	1183	1174	1166	1168	1177	1179	1196	1210	1219	1225	1231	1232			
30	1166	1157	1139	1124	1107	1096	1085	1089	1100	1106	1127	1143	1158	1167	1177	1174			
35	1063	1052	1030	1011	984	969	956	965	976	986	1017	1036	1055	1065	1079	1074			
40	897	887	858	835	803	788	773	785	799	812	848	869	892	900	916	910			
45	670	661	636	620	593	583	572	580	588	601	634	652	670	676	691	687			
50	472	462	445	438	423	418	409	412	417	423	449	459	474	477	493	487			
55	324	317	307	300	295	293	284	285	287	288	308	312	322	329	340	335			
60	219	210	207	200	200	198	193	192	193	194	207	209	215	221	228	224			
65	143	139	135	133	133	132	127	126	128	128	137	137	143	147	152	148			
70	91.7	89.3	85.6	84.3	84.4	83.5	80.3	79.6	80.7	81.6	86.8	87.1	91.3	93.6	97.2	94.3			
75	56.4	55.2	52.0	51.7	51.6	51.3	49.2	49.1	49.7	50.4	52.9	53.3	55.9	57.4	60.0	57.6			
80	30.1	29.7	27.8	27.8	27.5	27.3	26.1	26.2	26.5	26.9	28.2	28.4	29.8	30.4	31.9	30.5			
85	10.4	10.7	9.76	9.88	9.25	9.25	8.61	8.95	9.12	9.17	9.77	9.74	10.4	10.6	11.4	10.5			
90	0.25	0.26	0.25	0.25	0.24	0.25	0.25	0.25	0.12	0.12	0.14	0.14	0.15	0.15	0.15	0.15			
95	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.29	0.08	0.07	0.08	0.07	0.07	0.07	0.08	0.07			
100	0.36	0.37	0.39	0.40	0.41	0.42	0.43	0.43	0.08	0.07	0.08	0.07	0.08	0.08	0.08	0.08			
105	0.54	0.56	0.59	0.60	0.62	0.63	0.64	0.64	0.11	0.10	0.10	0.09	0.10	0.09	0.10	0.09			
110	0.80	0.82	0.86	0.88	0.91	0.92	0.94	0.93	0.15	0.14	0.14	0.13	0.14	0.13	0.13	0.13			
115	1.14	1.17	1.21	1.25	1.27	1.30	1.31	1.31	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20			
120	1.53	1.57	1.61	1.66	1.68	1.72	1.73	1.73	0.40	0.40	0.38	0.38	0.37	0.37	0.36	0.36			
125	1.96	1.99	2.04	2.09	2.12	2.16	2.17	2.18	0.67	0.67	0.64	0.63	0.61	0.61	0.59	0.61			
130	2.41	2.44	2.50	2.55	2.59	2.62	2.64	2.64	1.07	1.05	1.03	1.00	0.97	0.96	0.95	0.96			
135	2.89	2.92	2.98	3.03	3.06	3.10	3.12	3.12	1.56	1.54	1.49	1.46	1.42	1.41	1.39	1.41			
140	3.41	3.43	3.50	3.55	3.57	3.61	3.64	3.64	2.08	2.06	2.01	1.96	1.92	1.92	1.89	1.92			
145	3.98	3.99	4.06	4.10	4.13	4.16	4.19	4.20	2.70	2.67	2.61	2.57	2.53	2.53	2.50	2.54			
150	4.54	4.56	4.62	4.67	4.68	4.72	4.74	4.77	3.32	3.29	3.24	3.19	3.14	3.14	3.11	3.16			
155	5.05	5.09	5.14	5.17	5.20	5.23	5.25	5.27	4.06	4.04	3.98	3.94	3.87	3.88	3.85	3.91			
160	5.58	5.60	5.64	5.67	5.71	5.74	5.74	5.77	4.92	4.87	4.82	4.78	4.70	4.70	4.67	4.72			
165	6.09	6.10	6.17	6.19	6.20	6.23	6.25	6.28	5.85	5.81	5.75	5.70	5.63	5.62	5.58	5.65			
170	6.71	6.70	6.75	6.77	6.77	6.80	6.80	6.82	6.60	6.58	6.55	6.51	6.46	6.46	6.41	6.46			
175	7.10	7.11	7.14	7.16	7.15	7.14	7.11	7.19	7.13	7.11	7.14	7.12	7.08	7.05	7.04	7.10			
180	6.90	6.89	6.90	6.89	6.88	6.88	6.86	6.89	7.03	7.02	7.04	7.02	7.02	7.01	7.00	7.02			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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: