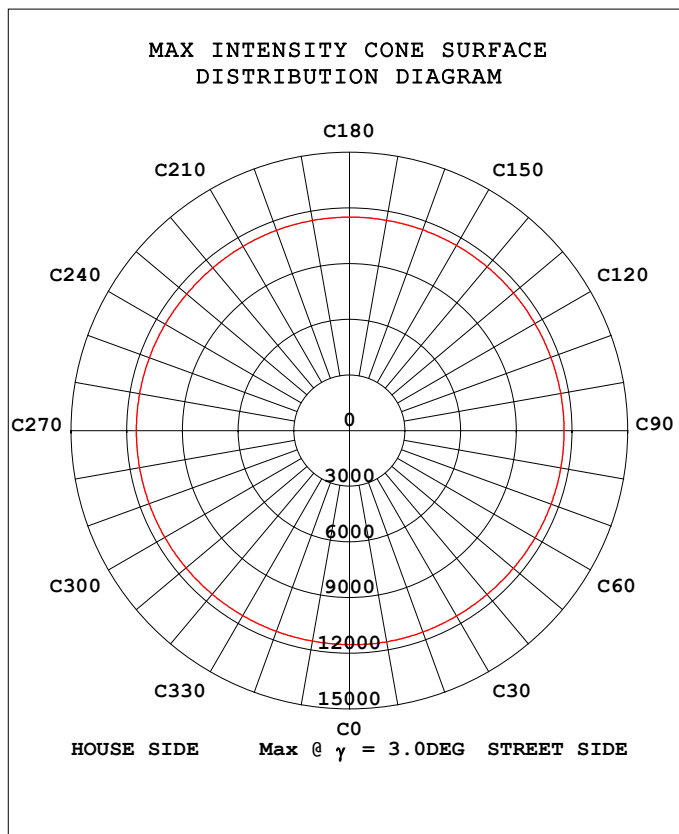
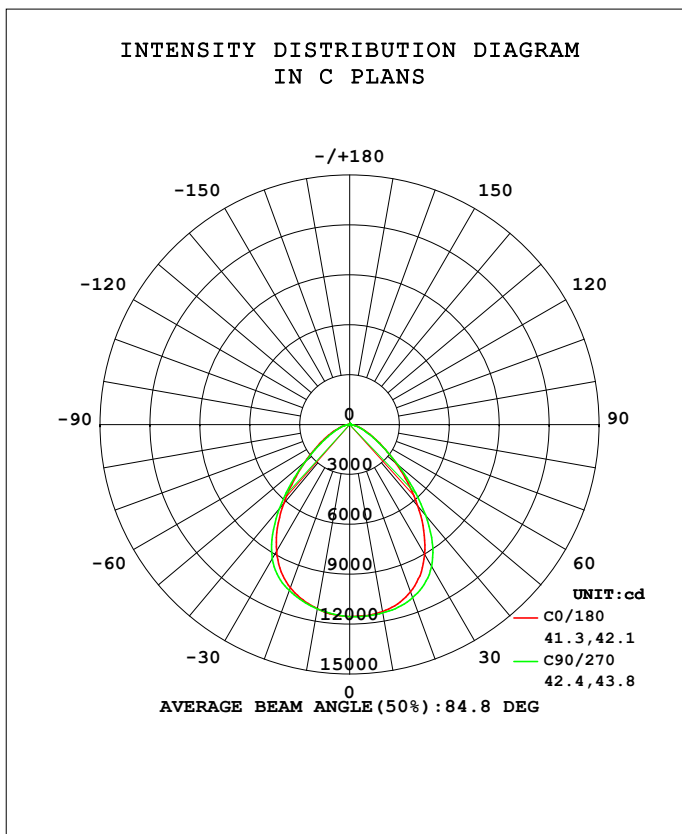


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.56 lm/W			
MODEL		I _{max} (cd)	11566	η street_up (%)	0.3
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	50.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	21937	η house_up (%)	0.2
NOMINAL FLUX (lm)	21937.5	MAXIMUM @ (C, γ)	90, 3.0	η house_down (%)	48.7
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.6	SLI	21.706

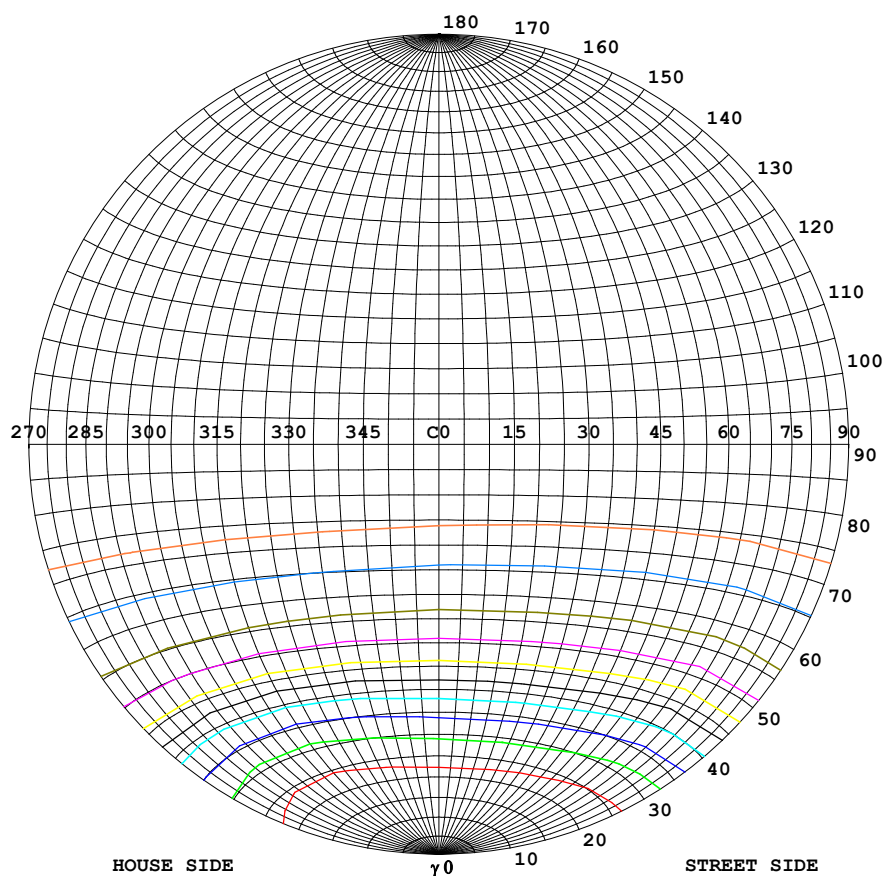


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

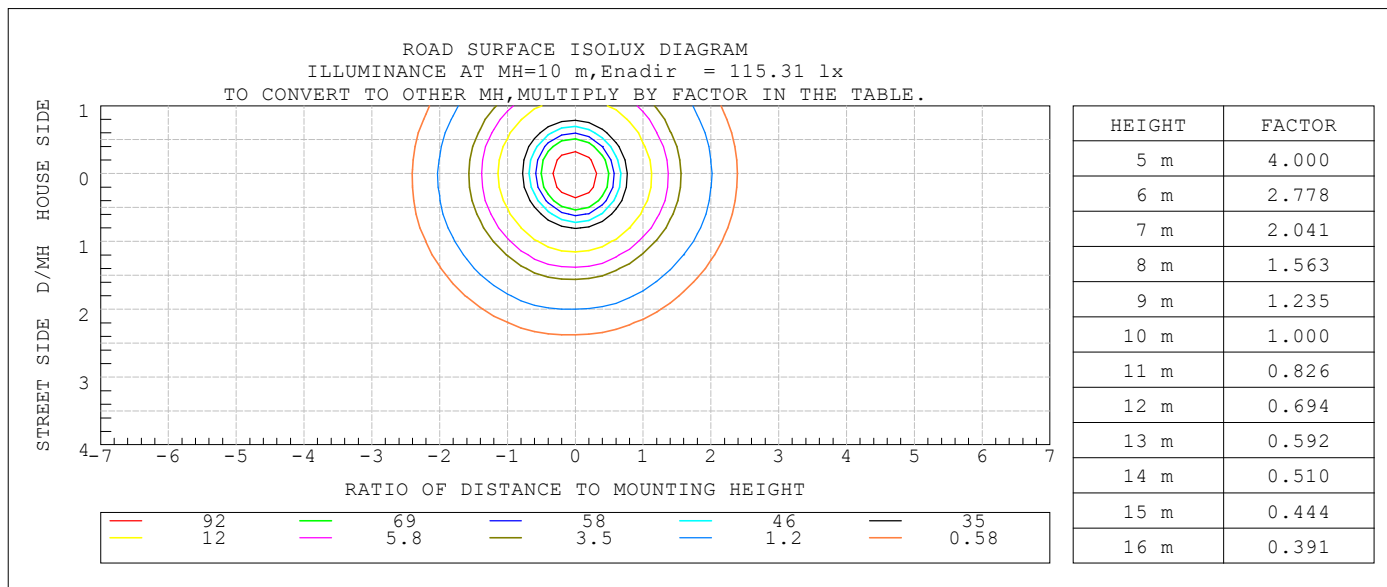
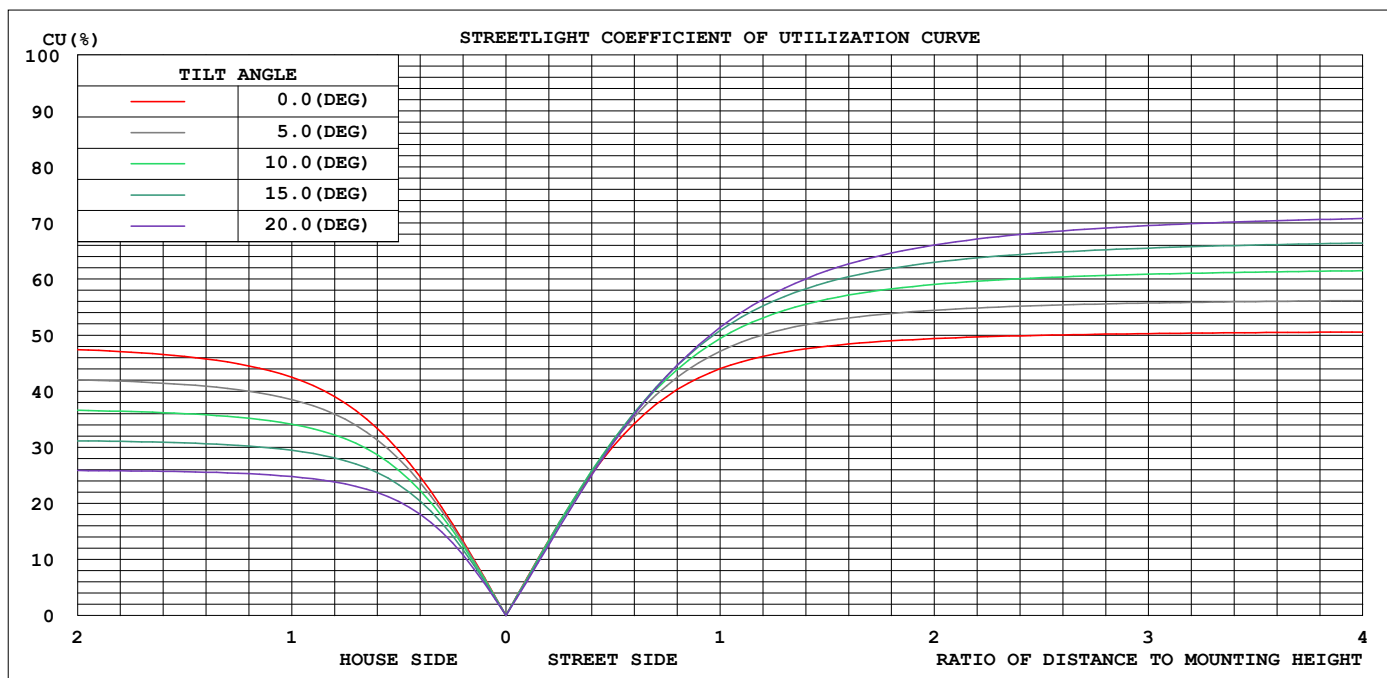
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:13.76cd/klm
Max.At90:0.1202cd/klm
Max.80-90:13.76cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		11566
90%		10409
80%		9253
70%		8096
60%		6939
50%		5783
40%		4626
30%		3470
20%		2313
10%		1157
5%		578

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

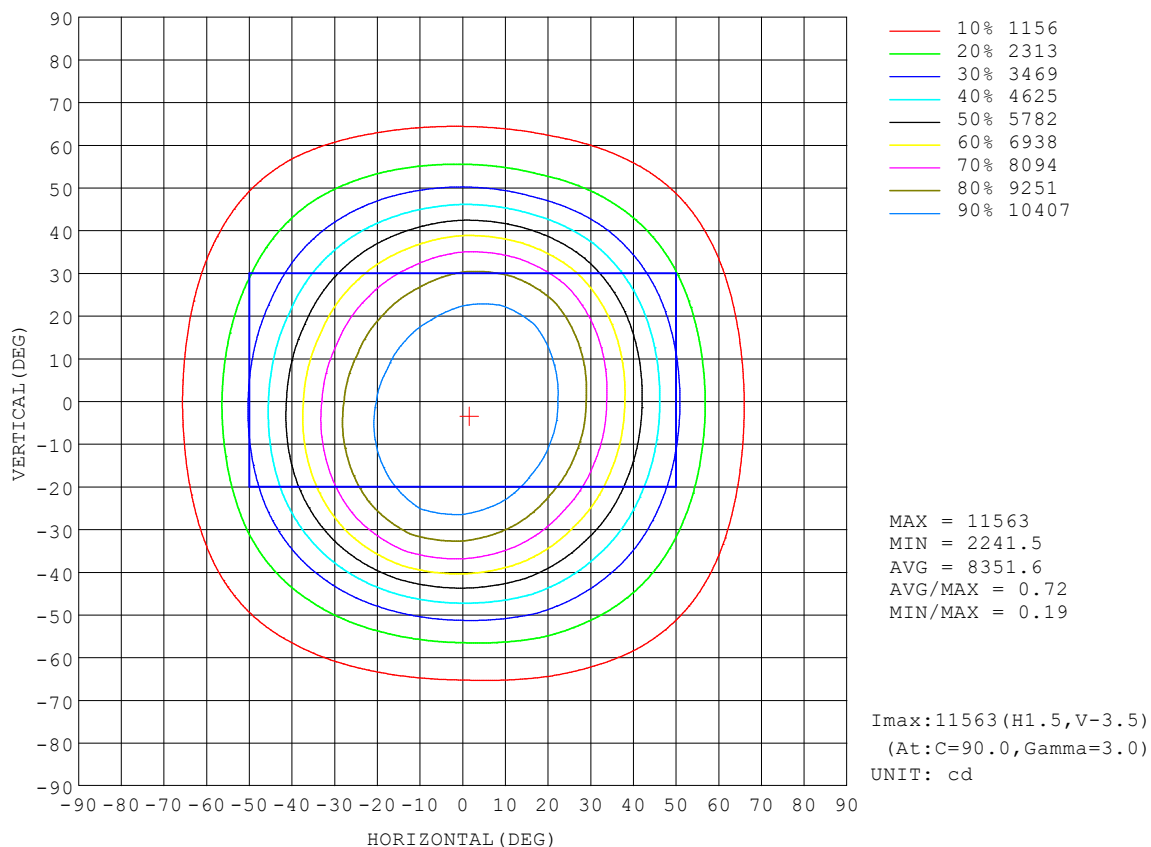
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1142	1148	1150	1141	1124	1116	1125	1133	0- 10	1093	1093	4.98,4.98
20	1069	1082	1107	1087	1044	1034	1062	1081	10- 20	3130	4223	19.2,19.2
30	901.5	917.0	985.3	960.8	880.7	867.0	931.3	951.0	20- 30	4643	8865	40.4,40.4
40	636.7	649.1	709.3	691.3	616.0	603.6	655.8	673.4	30- 40	4979	13845	63.1,63.1
50	368.3	375.3	382.2	370.8	353.2	343.3	352.2	361.7	40- 50	3868	17712	80.7,80.7
60	183.8	187.8	176.0	171.7	178.9	172.5	163.7	165.0	50- 60	2311	20023	91.3,91.3
70	82.06	84.95	76.85	75.25	79.30	75.77	70.76	71.94	60- 70	1192	21215	96.7,96.7
80	28.48	29.87	26.70	25.87	27.16	25.67	23.74	24.72	70- 80	520.8	21736	99.1,99.1
90	0.2540	0.2638	0.2389	0.2160	0.0938	0.0879	0.0864	0.1100	80- 90	109.9	21846	99.6,99.6
100	0.3640	0.3362	0.3401	0.3321	0.0778	0.0783	0.0762	0.0948	90-100	1.806	21848	99.6,99.6
110	0.7678	0.7412	0.7032	0.6945	0.1504	0.1538	0.1421	0.1517	100-110	3.482	21851	99.6,99.6
120	1.267	1.238	1.296	1.317	0.3504	0.3556	0.3455	0.3425	110-120	5.936	21857	99.6,99.6
130	2.008	1.969	2.061	2.107	0.8384	0.8615	0.8956	0.8642	120-130	9.928	21867	99.7,99.7
140	2.894	2.822	2.916	3.009	1.653	1.708	1.776	1.696	130-140	14.36	21881	99.7,99.7
150	3.945	3.841	3.914	4.023	2.764	2.840	2.877	2.751	140-150	17.66	21899	99.8,99.8
160	4.959	4.848	4.889	4.978	4.188	4.252	4.282	4.142	150-160	18.15	21917	99.9,99.9
170	5.993	5.907	5.904	5.947	5.748	5.782	5.789	5.648	160-170	14.53	21932	100,100
180	6.201	6.183	6.150	6.099	6.308	6.293	6.263	6.212	170-180	5.877	21937	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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

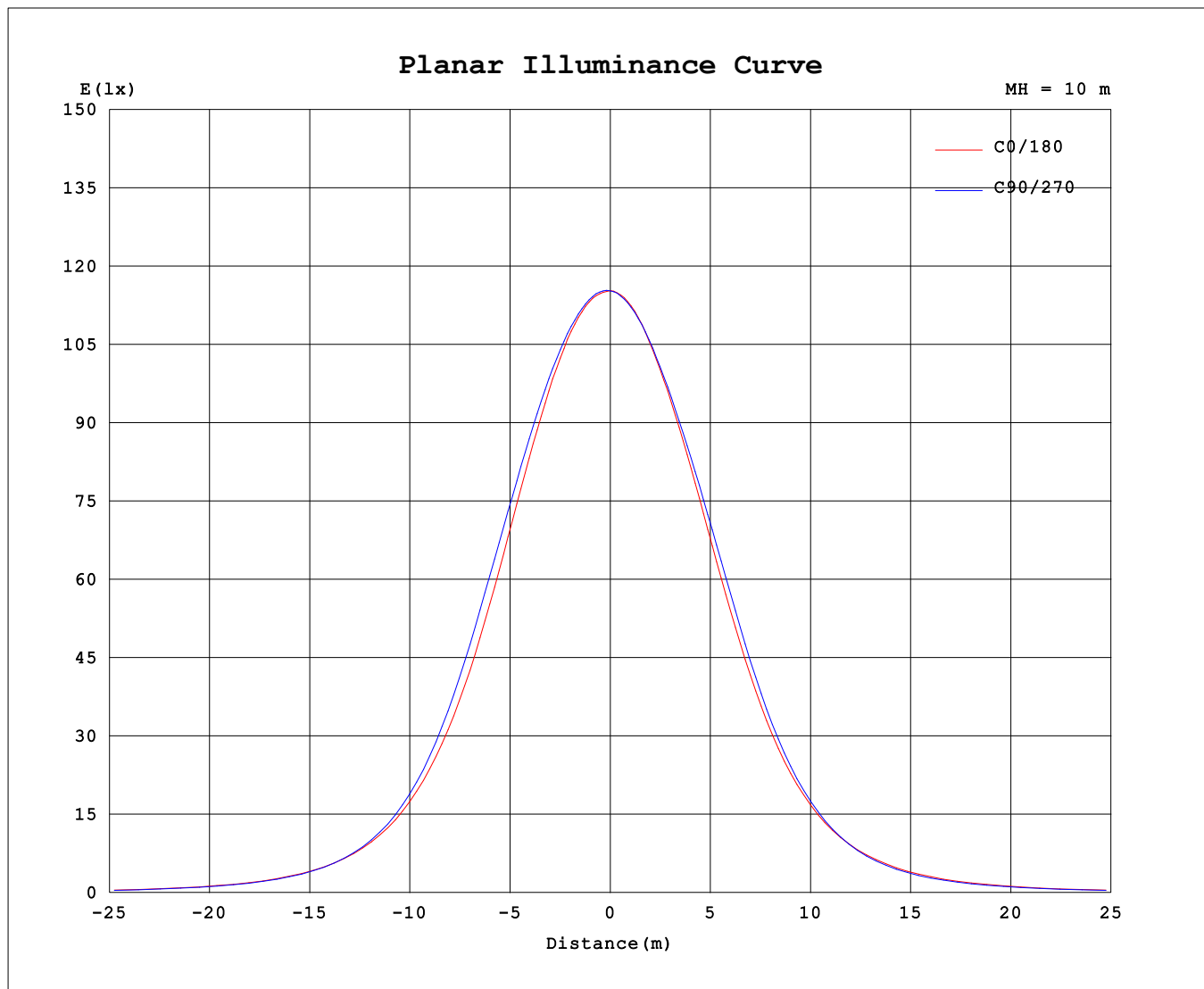
Test:U:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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

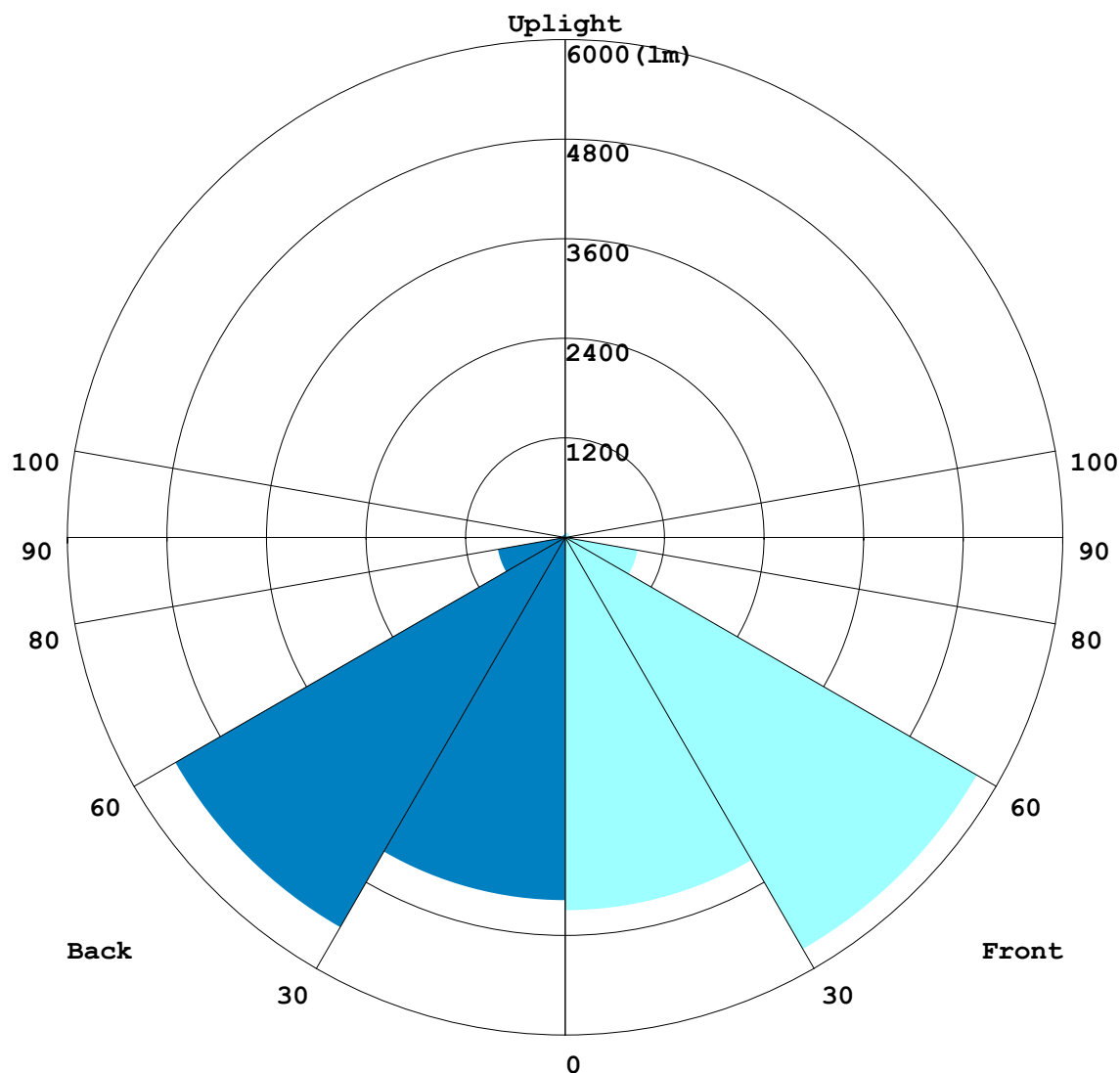


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.6℃
 Operators:DAMIN
 Test Date:2023-12-14

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:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 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: 23.6℃
 Operators:DAMIN
 Test Date:2023-12-14

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:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 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)	4492.5	20.5
FM - Front-Medium(30-60)	5732.2	26.1
FH - Front-High(60-80)	888.52	4.1
FVH - Front-Very High(80-90)	59.226	0.3
Total Forward Light	11230	51.2

BL - Back-Low(0-30)	4373	19.9
BM - Back-Medium(30-60)	5425.5	24.7
BH - Back-High(60-80)	824.22	3.8
BVH - Back-Very High(80-90)	50.645	0.2
Total Back Light	10708	48.8

UL - Uplight-Low(90-100)	1.8057	0.0
UH - Uplight-High(100-180)	89.909	0.4
Total Up Light	91.715	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10673	34.388	10708
Street Side	11172	57.328	11230

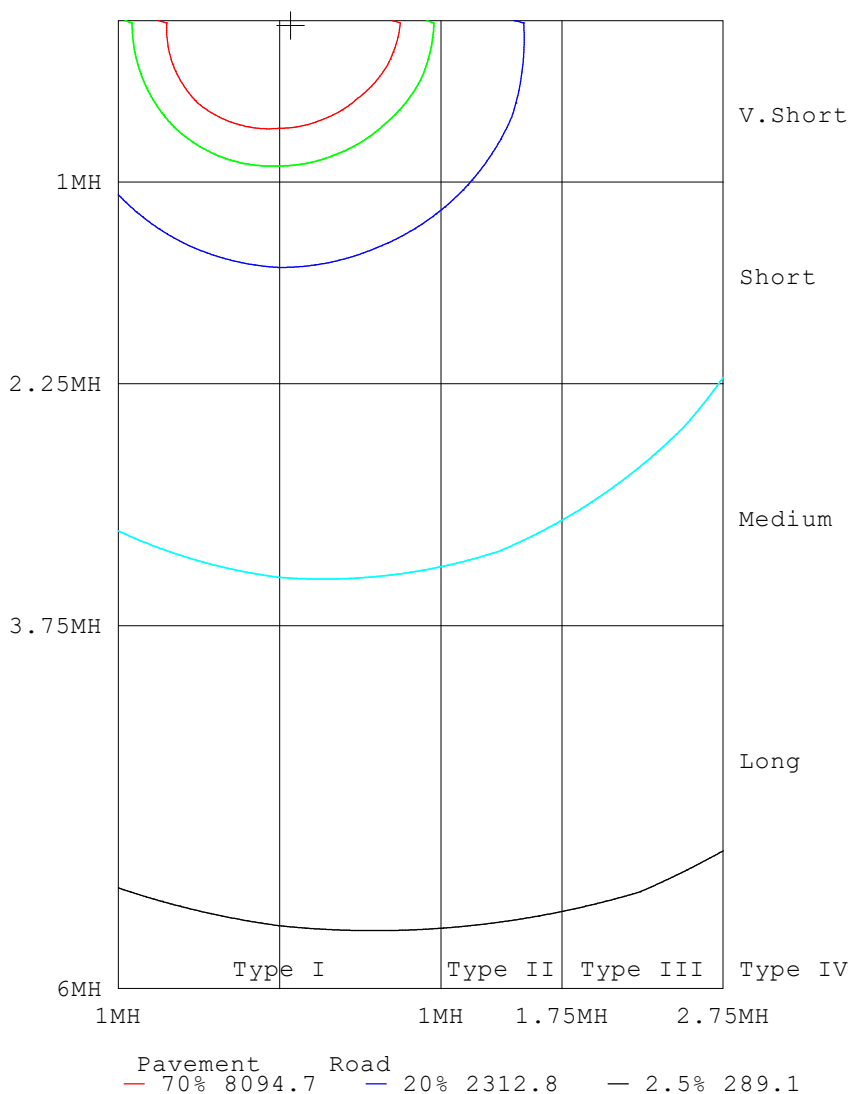
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 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: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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:118.75V I:1.2062A P:142.86W PF:0.9974 Freq:60.01Hz Lamp Flux:21937.5x1 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	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154			
5	1152	1154	1153	1156	1156	1156	1152	1149	1146	1143	1141	1142	1144	1146	1147	1149			
10	1142	1146	1148	1152	1150	1149	1141	1133	1124	1118	1116	1120	1125	1129	1133	1137			
15	1115	1121	1125	1135	1136	1133	1118	1105	1090	1082	1081	1087	1098	1106	1112	1113			
20	1069	1075	1082	1100	1107	1106	1087	1064	1044	1032	1034	1044	1062	1076	1081	1074			
25	1002	1004	1016	1043	1061	1064	1036	1005	976	960	965	983	1012	1031	1032	1015			
30	901	904	917	956	985	992	961	917	881	860	867	892	931	952	951	925			
35	776	777	791	834	867	878	846	800	759	736	744	768	809	827	830	802			
40	637	636	649	688	709	717	691	656	616	595	604	625	656	668	673	656			
45	495	495	505	533	537	537	520	505	476	456	465	478	497	500	510	505			
50	368	368	375	392	382	375	371	370	353	338	343	350	352	346	362	368			
55	264	264	269	276	261	255	253	261	255	243	246	246	240	234	244	257			
60	184	185	188	188	176	173	172	179	179	171	172	167	164	159	165	174			
65	125	127	129	127	118	117	116	120	122	117	117	112	110	107	111	117			
70	82.1	84.7	84.9	82.4	76.9	75.8	75.2	77.7	79.3	76.4	75.8	72.0	70.8	69.4	71.9	76.0			
75	51.8	54.2	53.8	51.9	48.2	47.7	46.9	48.8	49.9	48.0	47.5	44.6	44.0	43.0	45.2	47.8			
80	28.5	30.2	29.9	28.8	26.7	26.4	25.9	26.7	27.2	26.1	25.7	24.0	23.7	23.5	24.7	26.2			
85	9.54	10.5	10.3	10.2	9.38	9.56	9.01	9.14	8.72	7.85	7.84	7.17	7.54	7.44	8.19	8.61			
90	0.25	0.26	0.26	0.26	0.24	0.23	0.22	0.22	0.09	0.10	0.09	0.10	0.09	0.09	0.11	0.12			
95	0.25	0.25	0.24	0.24	0.23	0.23	0.23	0.25	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
100	0.36	0.34	0.34	0.35	0.34	0.32	0.33	0.35	0.08	0.07	0.08	0.07	0.08	0.09	0.09	0.08			
105	0.63	0.65	0.61	0.56	0.50	0.48	0.48	0.51	0.12	0.11	0.12	0.11	0.11	0.11	0.13	0.17			
110	0.77	0.74	0.74	0.73	0.70	0.69	0.69	0.71	0.15	0.14	0.15	0.14	0.14	0.13	0.15	0.18			
115	0.99	0.97	0.96	0.95	0.97	0.96	0.97	0.96	0.21	0.21	0.21	0.21	0.20	0.20	0.21	0.22			
120	1.27	1.23	1.24	1.26	1.30	1.32	1.32	1.29	0.35	0.36	0.36	0.36	0.35	0.35	0.34	0.35			
125	1.62	1.59	1.59	1.62	1.66	1.70	1.69	1.67	0.55	0.56	0.56	0.57	0.56	0.57	0.55	0.55			
130	2.01	1.97	1.97	2.01	2.06	2.11	2.11	2.09	0.84	0.86	0.86	0.89	0.90	0.90	0.86	0.85			
135	2.43	2.38	2.38	2.42	2.47	2.53	2.54	2.53	1.22	1.23	1.25	1.29	1.31	1.31	1.26	1.21			
140	2.89	2.83	2.82	2.86	2.92	2.98	3.01	3.00	1.65	1.67	1.71	1.76	1.78	1.77	1.70	1.63			
145	3.41	3.34	3.32	3.35	3.41	3.47	3.51	3.52	2.18	2.22	2.25	2.31	2.32	2.29	2.21	2.14			
150	3.94	3.87	3.84	3.87	3.91	3.98	4.02	4.04	2.76	2.80	2.84	2.89	2.88	2.83	2.75	2.69			
155	4.45	4.37	4.34	4.36	4.40	4.45	4.51	4.52	3.45	3.50	3.53	3.58	3.55	3.51	3.41	3.36			
160	4.96	4.87	4.85	4.85	4.89	4.93	4.98	4.99	4.19	4.22	4.25	4.30	4.28	4.24	4.14	4.07			
165	5.44	5.37	5.34	5.34	5.37	5.40	5.43	5.45	5.01	5.03	5.06	5.11	5.09	5.05	4.94	4.87			
170	5.99	5.94	5.91	5.90	5.90	5.92	5.95	5.96	5.75	5.78	5.78	5.83	5.79	5.76	5.65	5.59			
175	6.44	6.41	6.38	6.36	6.33	6.33	6.32	6.34	6.37	6.39	6.38	6.39	6.36	6.32	6.25	6.20			
180	6.20	6.20	6.18	6.18	6.15	6.13	6.10	6.08	6.31	6.31	6.29	6.29	6.26	6.24	6.21	6.19			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.6℃
Operators:DAMIN
Test Date:2023-12-14

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: