

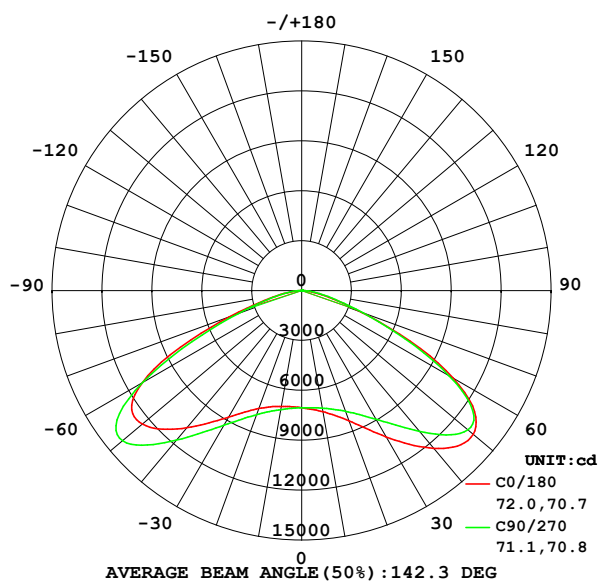
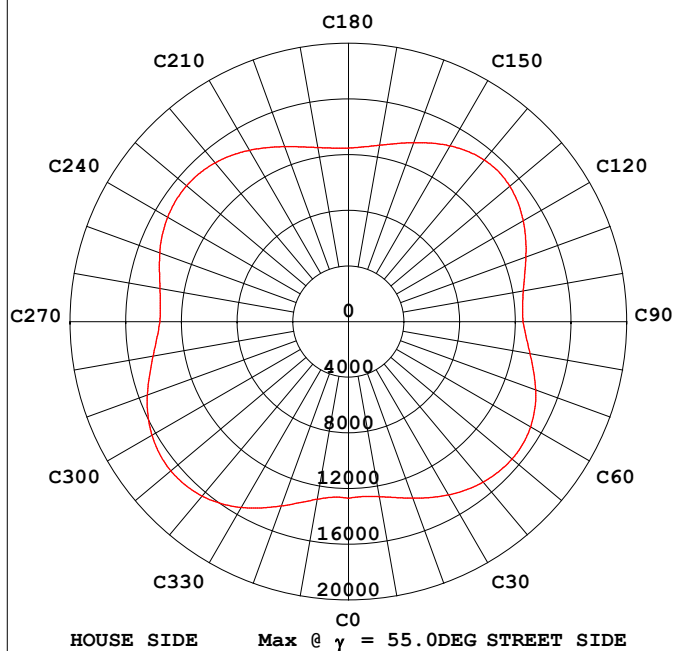
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz

Lamp Flux:50080.9x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 127.69 lm/W
MODEL		I _{max} (cd)	16592	η street_up (%)	0.2	
NOMINAL POWER (W)	400	LOR (%)	100.0	η street_down (%)	49.2	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	50081	η house_up (%)	0.1	
NOMINAL FLUX (lm)	50080.9	MAXIMUM @ (C, γ)	315,55.0	η house_down (%)	50.5	
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	23.328	

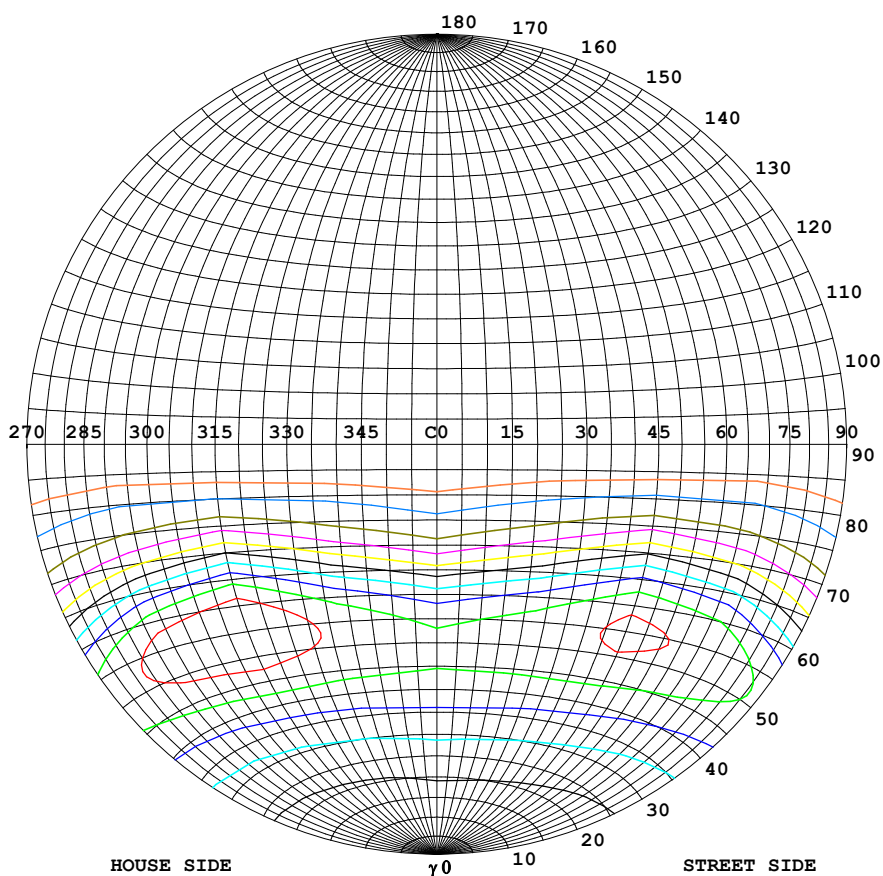
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-03-23

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:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz Lamp Flux:50080.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



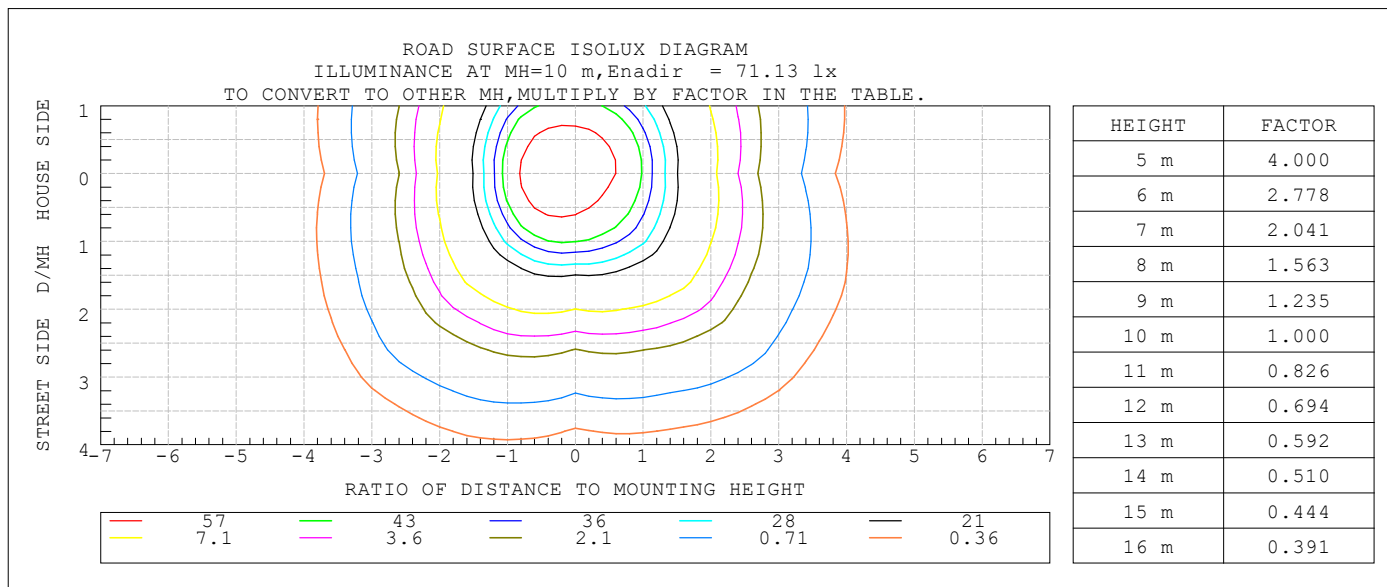
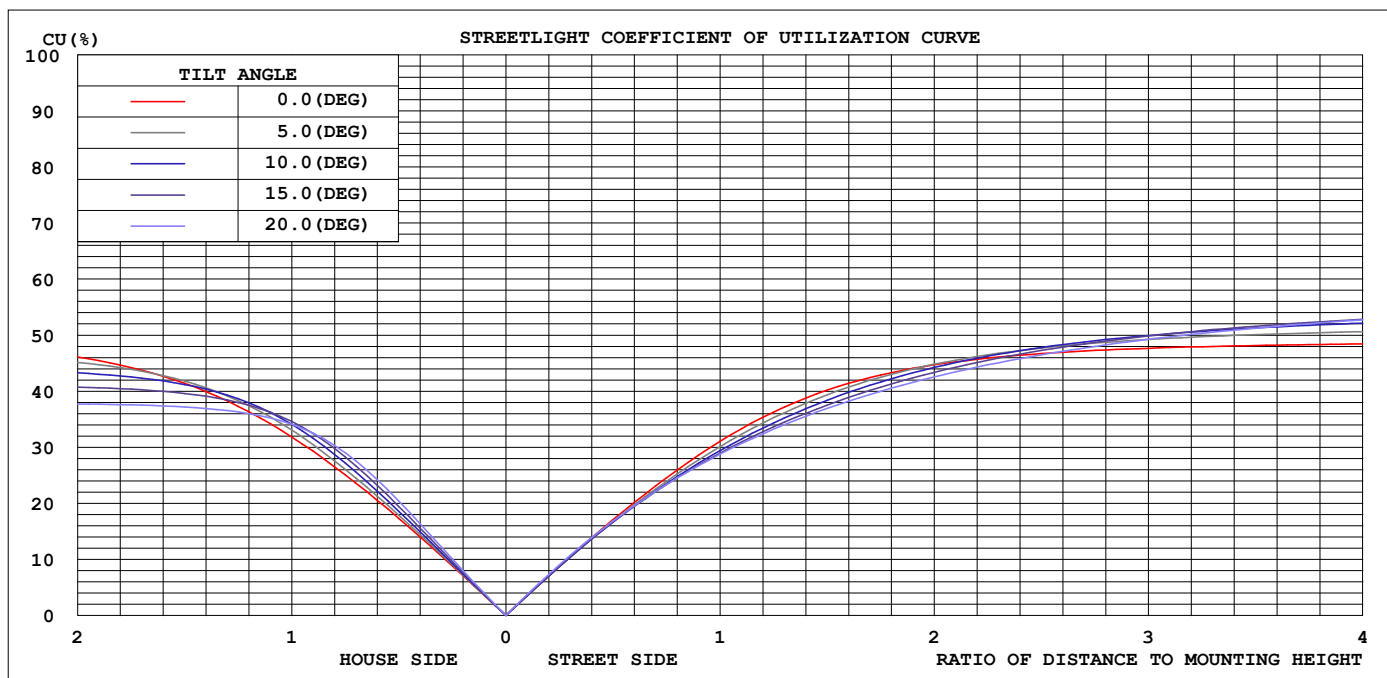
Classification:

IES:Type VS - Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:41.99cd/klm
Max.At90:0.3923cd/klm
Max.80-90:41.99cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		16592
— 90%		14933
— 80%		13273
— 70%		11614
— 60%		9955
— 50%		8296
— 40%		6637
— 30%		4978
— 20%		3318
— 10%		1659
— 5%		830

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-03-23

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: 24.4 °C
Operators: DAMIN
Test Date: 2024-03-23

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:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz Lamp Flux:50080.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

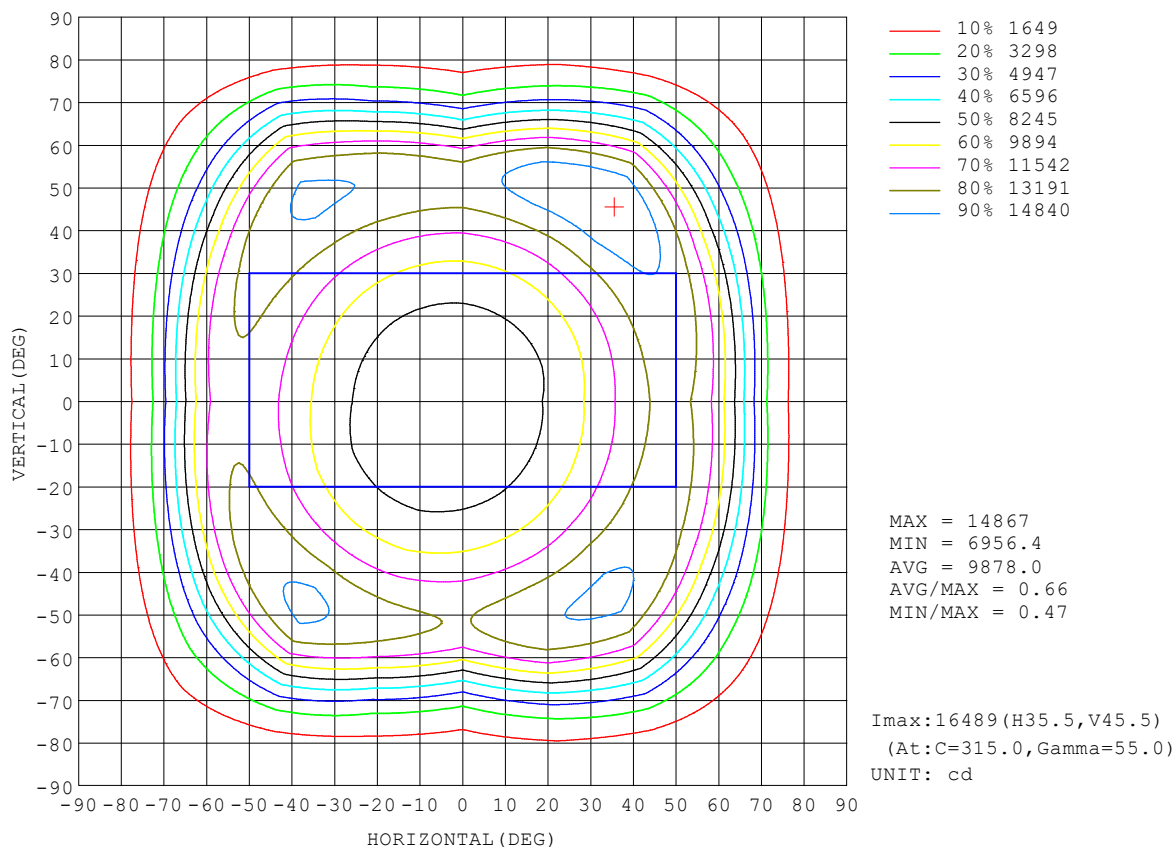
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	740.1	731.7	718.2	708.5	707.0	714.9	726.5	736.1	0- 10	681.2	681.2	1.36,1.36
20	834.1	809.3	772.2	749.9	755.0	770.9	794.2	817.0	10- 20	2137	2818	5.63,5.63
30	1015	970.2	893.5	854.8	878.2	906.6	934.0	982.4	20- 30	3959	6777	13.5,13.5
40	1238	1215	1105	1062	1077	1136	1174	1256	30- 40	6544	13321	26.6,26.6
50	1346	1473	1303	1388	1250	1415	1406	1581	40- 50	9989	23310	46.5,46.5
60	1051	1439	1023	1522	1104	1492	1102	1568	50- 60	12525	35835	71.6,71.6
70	388.6	811.4	391.0	905.4	462.7	933.4	406.5	835.7	60- 70	9732	45567	91,91
80	90.59	188.3	108.2	200.1	109.8	210.3	107.2	167.6	70- 80	3766	49333	98.5,98.5
90	1.144	1.965	1.160	1.809	0.3924	0.6190	0.3613	0.5593	80- 90	612.1	49945	99.7,99.7
100	1.871	2.513	1.982	2.580	0.2077	0.2688	0.2522	0.2390	90-100	11.23	49956	99.8,99.8
110	2.549	2.929	2.512	3.194	0.5099	0.5415	0.6950	0.5462	100-110	15.48	49972	99.8,99.8
120	2.863	2.866	2.710	3.349	1.656	1.856	2.051	1.635	110-120	20.13	49992	99.8,99.8
130	2.956	2.985	3.338	3.387	2.540	2.848	2.875	2.508	120-130	24.34	50016	99.9,99.9
140	3.033	3.036	3.408	3.261	2.842	2.832	2.796	2.506	130-140	22.82	50039	99.9,99.9
150	2.934	3.018	3.262	3.021	2.517	2.441	2.403	2.167	140-150	17.54	50056	100,100
160	3.198	3.152	3.115	3.006	2.887	2.596	2.512	2.305	150-160	12.47	50069	100,100
170	3.634	3.367	3.109	3.111	4.089	3.534	3.202	3.248	160-170	8.794	50078	100,100
180	3.700	3.365	2.917	3.122	3.790	3.430	2.967	3.173	170-180	3.267	50081	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-03-23

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

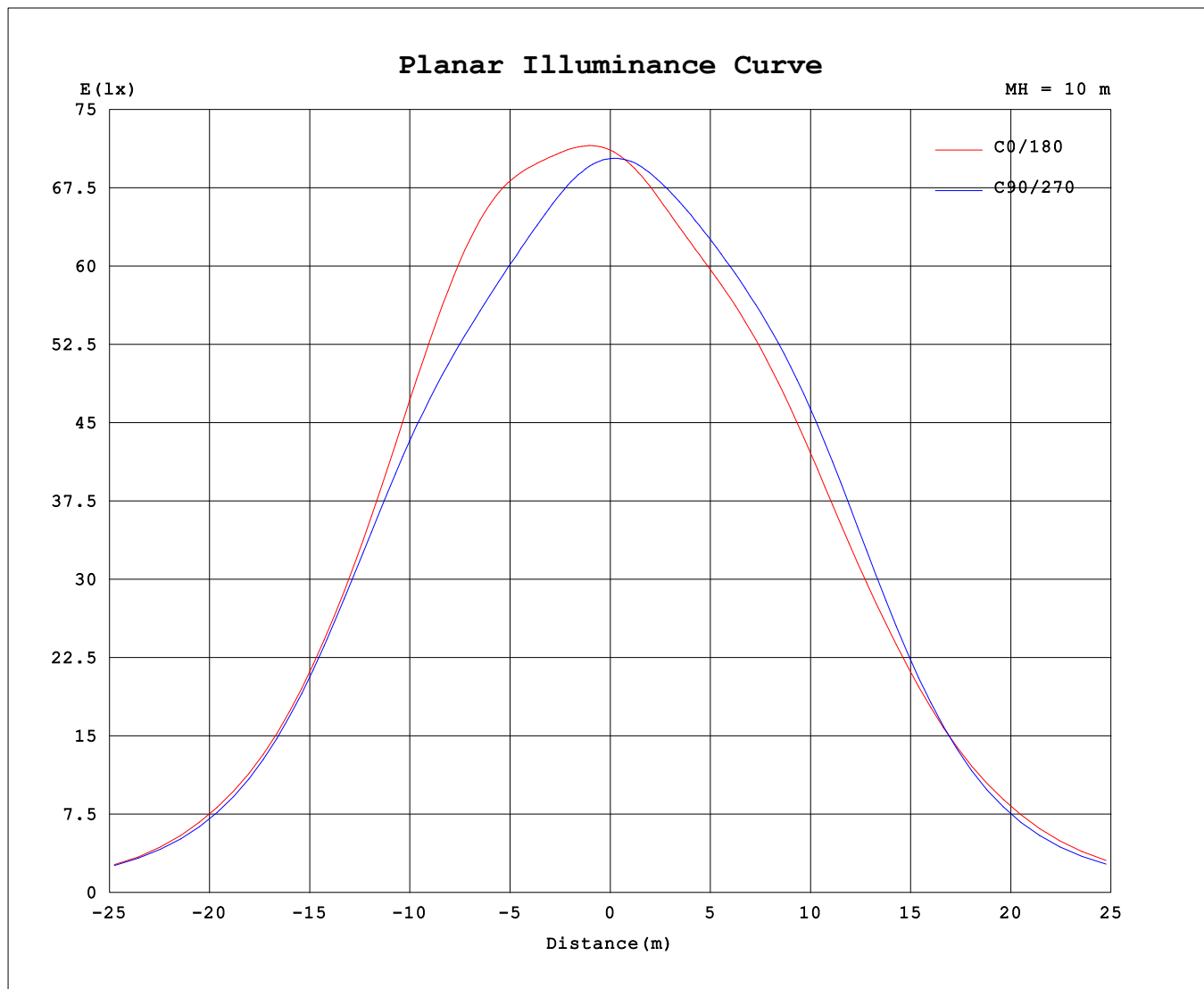
Test:U:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz Lamp Flux:50080.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-03-23

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



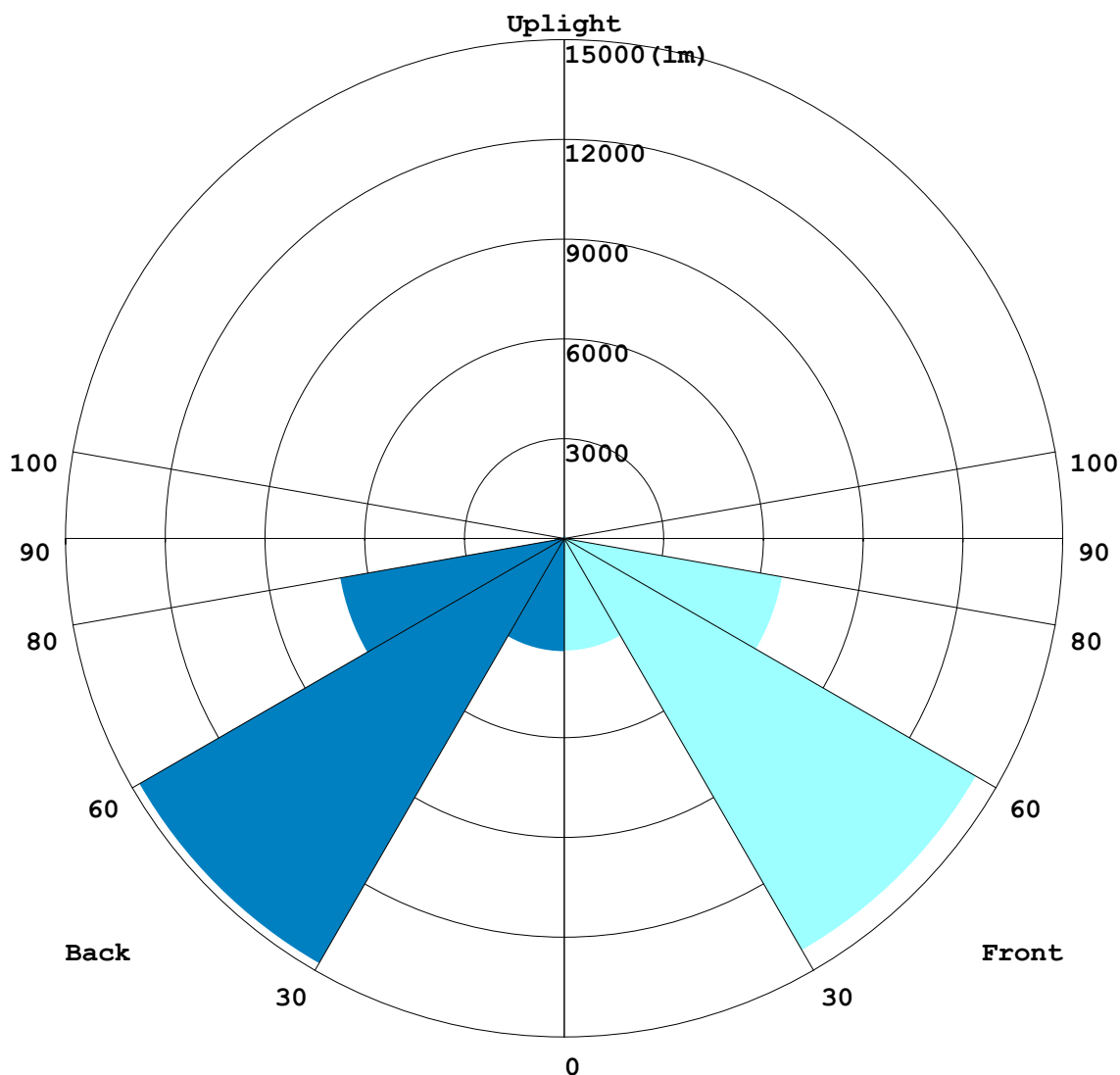
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.4℃
 Operators:DAMIN
 Test Date:2024-03-23

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:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz Lamp Flux:50080.9x1 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: 24.4℃
Operators:DAMIN
Test Date:2024-03-23

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:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz Lamp Flux:50080.9x1 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)	3378	6.7
FM - Front-Medium(30-60)	14305	28.6
FH - Front-High(60-80)	6661.7	13.3
FVH - Front-Very High(80-90)	318.87	0.6
Total Forward Light	24750	49.4

BL - Back-Low(0-30)	3398.7	6.8
BM - Back-Medium(30-60)	14754	29.5
BH - Back-High(60-80)	6836.1	13.7
BVH - Back-Very High(80-90)	293.22	0.6
Total Back Light	25331	50.6

UL - Uplight-Low(90-100)	11.23	0.0
UH - Uplight-High(100-180)	124.84	0.2
Total Up Light	136.07	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	25282	49.09	25331
Street Side	24663	86.978	24750

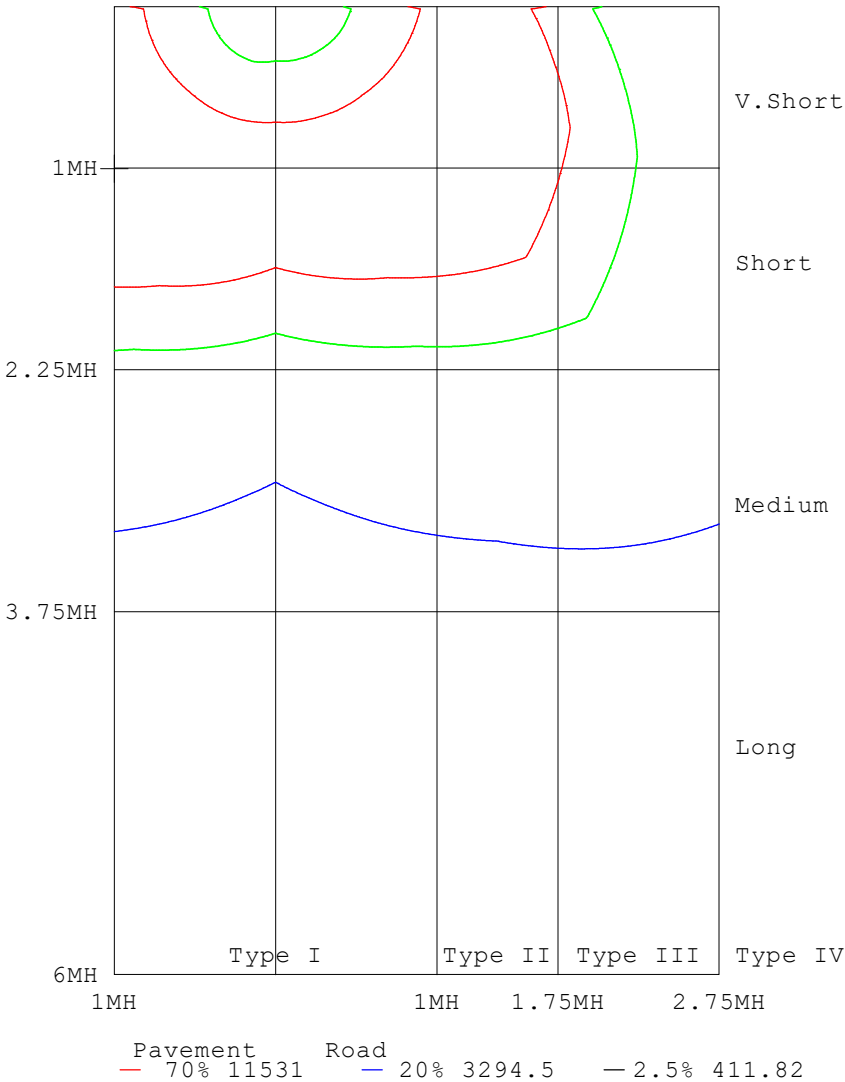
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-03-23

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:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz Lamp Flux:50080.9x1 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: 24.4℃
Operators:DAMIN
Test Date:2024-03-23

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:118.21V I:3.3217A P:392.21W PF:0.9988 Freq:60.01Hz Lamp Flux:50080.9x1 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	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705			
5	717	715	713	710	707	704	702	701	701	703	705	708	711	714	716	717			
10	740	737	732	724	718	712	708	706	707	710	715	721	726	732	736	740			
15	777	772	763	750	739	729	724	721	724	729	735	745	753	762	769	775			
20	834	825	809	789	772	757	750	748	755	763	771	783	794	806	817	828			
25	914	901	878	847	822	801	792	793	806	817	828	841	853	869	886	904			
30	1015	999	970	928	894	863	855	859	878	895	907	921	934	956	982	1005			
35	1128	1114	1084	1033	987	951	943	949	971	994	1010	1026	1041	1072	1107	1126			
40	1238	1233	1215	1162	1105	1067	1062	1063	1077	1109	1136	1157	1174	1219	1256	1257			
45	1322	1340	1352	1302	1227	1207	1214	1194	1180	1227	1276	1303	1312	1385	1423	1379			
50	1346	1401	1473	1420	1303	1337	1388	1319	1250	1323	1415	1427	1406	1529	1581	1458			
55	1270	1372	1525	1457	1255	1381	1525	1393	1248	1360	1512	1462	1356	1566	1659	1442			
60	1051	1209	1439	1327	1023	1250	1522	1341	1104	1271	1492	1325	1102	1407	1568	1275			
65	719	908	1185	1021	685	937	1308	1090	806	1008	1298	994	727	1050	1272	943			
70	389	569	811	647	391	576	905	718	463	657	933	609	406	637	836	575			
75	196	303	454	351	213	303	489	401	233	365	527	322	216	334	439	301			
80	90.6	143	188	173	108	148	200	194	110	176	210	151	107	157	168	137			
85	28.0	47.0	51.2	65.3	42.4	55.8	52.8	54.9	27.8	45.2	57.5	46.1	36.7	48.7	47.7	40.9			
90	1.14	1.56	1.96	1.65	1.16	1.50	1.81	1.39	0.39	0.52	0.62	0.46	0.36	0.49	0.56	0.48			
95	1.41	1.74	2.14	1.77	1.43	1.81	2.10	1.64	0.20	0.26	0.30	0.25	0.22	0.25	0.25	0.22			
100	1.87	2.17	2.51	2.22	1.98	2.35	2.58	2.10	0.21	0.23	0.27	0.23	0.25	0.24	0.24	0.21			
105	2.26	2.50	2.79	2.59	2.46	2.72	2.98	2.47	0.31	0.35	0.35	0.34	0.40	0.37	0.34	0.31			
110	2.55	2.70	2.93	2.94	2.51	3.01	3.19	2.68	0.51	0.55	0.54	0.61	0.70	0.66	0.55	0.48			
115	2.75	2.84	2.93	3.25	2.55	3.19	3.31	2.77	0.94	1.01	1.04	1.22	1.29	1.29	0.93	0.90			
120	2.86	2.92	2.87	3.42	2.71	3.39	3.35	2.78	1.66	1.73	1.86	2.02	2.05	2.09	1.64	1.56			
125	2.93	2.96	2.95	3.50	3.18	3.51	3.40	2.76	2.15	2.25	2.49	2.54	2.58	2.48	2.21	2.01			
130	2.96	2.91	2.98	3.47	3.34	3.51	3.39	2.75	2.54	2.69	2.85	2.83	2.88	2.70	2.51	2.23			
135	3.01	2.79	3.03	3.42	3.43	3.57	3.36	2.77	2.81	2.96	2.93	2.88	2.93	2.72	2.58	2.27			
140	3.03	2.73	3.04	3.35	3.41	3.50	3.26	2.80	2.84	2.95	2.83	2.78	2.80	2.59	2.51	2.14			
145	2.95	2.73	3.02	3.28	3.32	3.36	3.12	2.74	2.73	2.74	2.59	2.61	2.59	2.38	2.37	1.99			
150	2.93	2.85	3.02	3.24	3.26	3.23	3.02	2.68	2.52	2.53	2.44	2.48	2.40	2.19	2.17	1.85			
155	3.02	3.08	3.07	3.24	3.21	3.18	3.00	2.70	2.56	2.45	2.38	2.41	2.33	2.16	2.12	1.84			
160	3.20	3.30	3.15	3.23	3.11	3.11	3.01	2.78	2.89	2.69	2.60	2.61	2.51	2.32	2.30	2.10			
165	3.37	3.48	3.25	3.24	3.07	3.00	3.00	2.89	3.67	3.45	3.29	3.20	3.05	2.93	2.98	2.80			
170	3.63	3.66	3.37	3.29	3.11	3.03	3.11	3.11	4.09	3.90	3.53	3.37	3.20	3.12	3.25	3.16			
175	3.68	3.84	3.47	3.33	3.14	3.07	3.23	3.25	4.04	4.09	3.64	3.42	3.19	3.15	3.38	3.34			
180	3.70	3.80	3.36	3.13	2.92	2.86	3.12	3.29	3.79	3.87	3.43	3.18	2.97	2.90	3.17	3.34			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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Operators:DAMIN
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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: