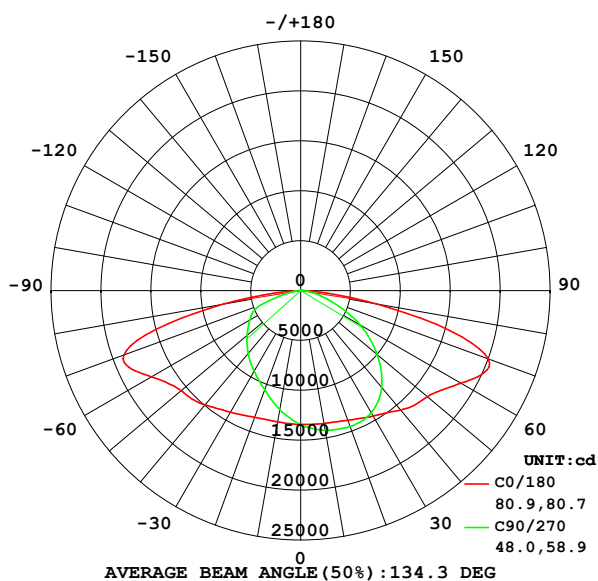
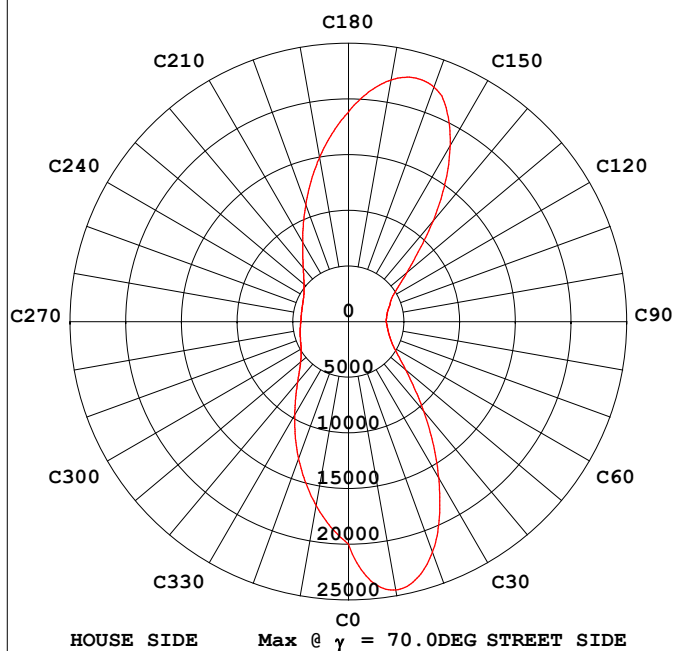


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.48 lm/W			
MODEL		I _{max} (cd)	21930	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	57.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	58768	η house_up (%)	0.1
NOMINAL FLUX (lm)	58767.7	MAXIMUM @ (C, γ)	158,70.0	η house_down (%)	41.9
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	26.445

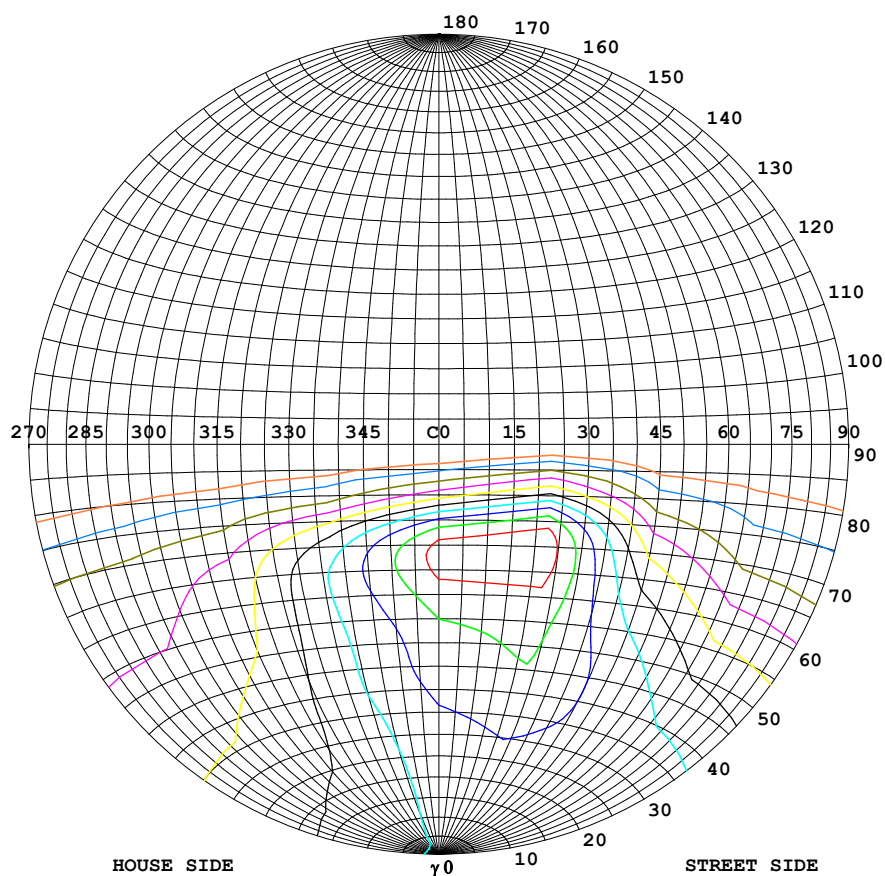
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-04-10

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:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

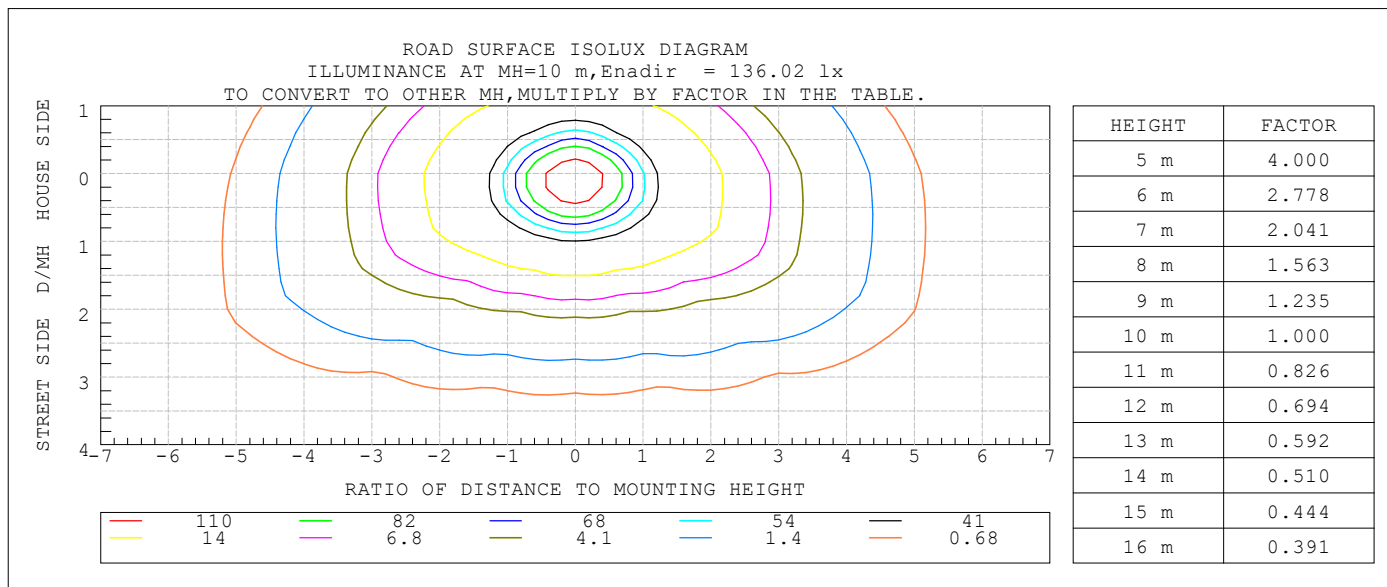
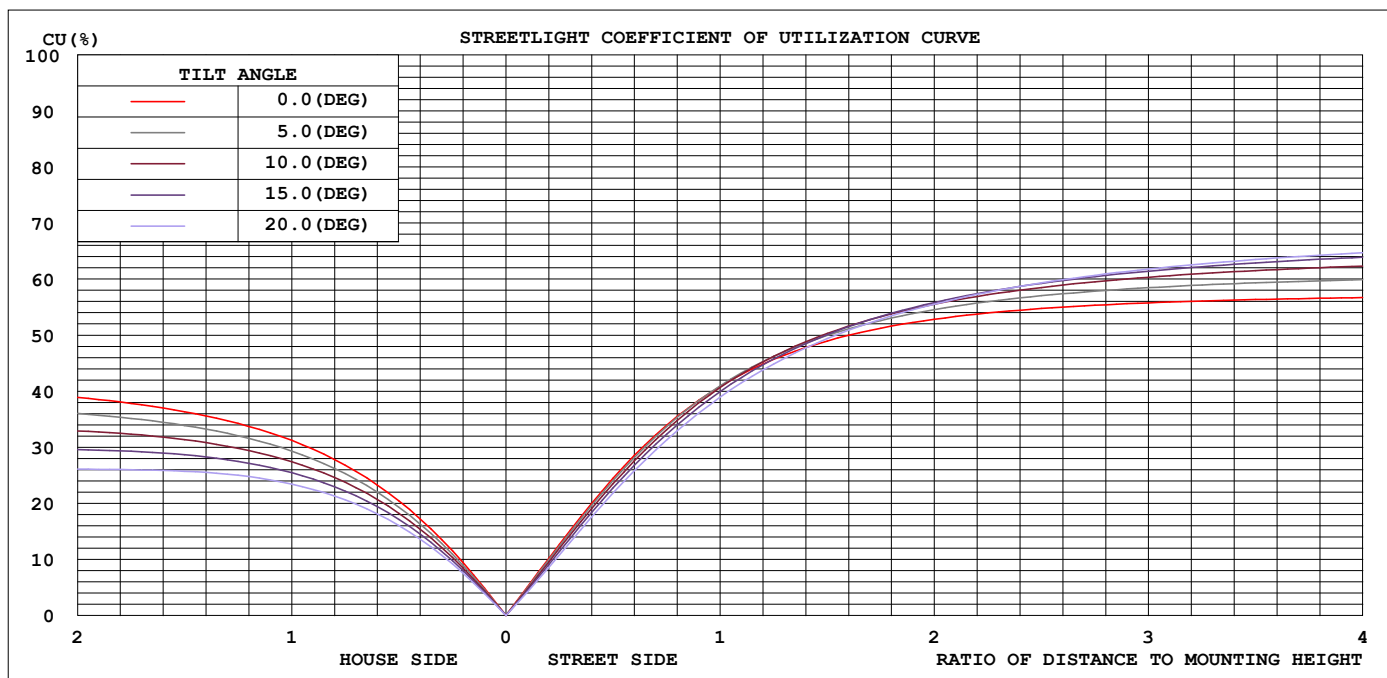
IES:Type III - Medium
CIE:Average - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:195.8cd/klm
Max.At90:0.6552cd/klm
Max.80-90:195.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	21930
90%	19737
80%	17544
70%	15351
60%	13158
50%	10965
40%	8772
30%	6579
20%	4386
10%	2193
5%	1096

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
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:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
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:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

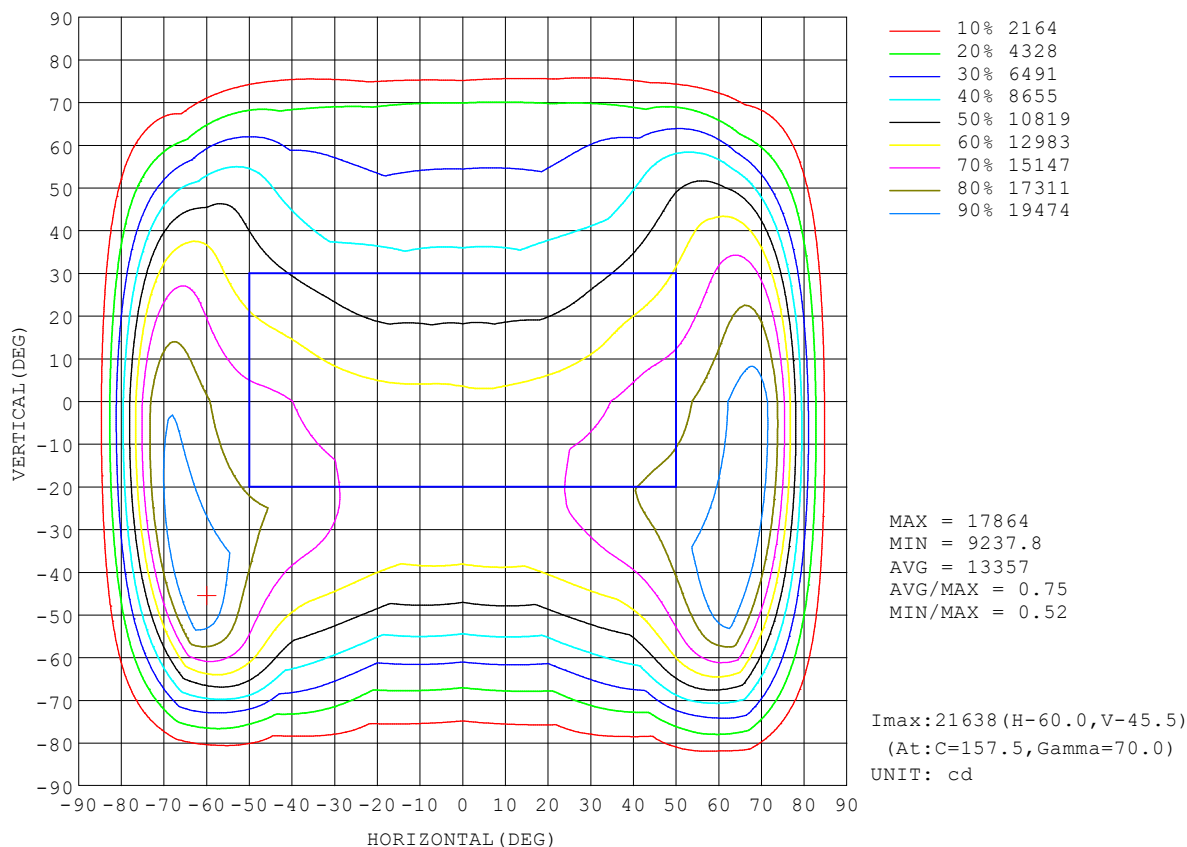
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1352	1409	1421	1401	1335	1247	1213	1259	0- 10	1275	1275	2.17,2.17
20	1383	1453	1449	1443	1351	1131	1059	1155	10- 20	3727	5002	8.51,8.51
30	1452	1489	1414	1485	1407	1020	933.4	1054	20- 30	5982	10984	18.7,18.7
40	1561	1493	1263	1495	1496	930.6	820.6	977.3	30- 40	7982	18966	32.3,32.3
50	1656	1409	1001	1430	1564	833.9	701.8	893.4	40- 50	9523	28490	48.5,48.5
60	1857	1183	687.7	1224	1728	735.3	589.2	804.7	50- 60	10360	38850	66.1,66.1
70	1999	832.6	340.1	882.9	1885	571.3	429.0	624.3	60- 70	10670	49520	84.3,84.3
80	766.3	299.7	119.6	307.7	790.0	183.8	91.87	172.9	70- 80	7589	57110	97.2,97.2
90	3.851	1.784	0.9695	1.517	1.052	0.3771	0.2220	0.4852	80- 90	1497	58606	99.7,99.7
100	3.661	1.548	1.179	1.697	0.8892	0.2882	0.2373	0.3191	90-100	12.21	58619	99.7,99.7
110	4.205	2.086	1.497	2.182	1.688	0.6223	0.5644	0.9079	100-110	15.10	58634	99.8,99.8
120	4.082	2.323	1.550	2.474	3.141	1.956	1.504	1.821	110-120	20.28	58654	99.8,99.8
130	4.097	2.955	2.226	2.856	3.705	2.871	2.408	2.964	120-130	24.60	58679	99.8,99.8
140	4.527	3.595	3.023	3.315	3.943	3.328	3.078	3.523	130-140	25.10	58704	99.9,99.9
150	5.025	4.392	3.856	3.860	4.215	3.728	3.614	3.609	140-150	23.36	58727	99.9,99.9
160	5.720	5.143	4.534	4.402	5.092	4.774	4.263	3.731	150-160	19.71	58747	100,100
170	7.049	6.297	5.505	5.391	7.006	6.396	5.657	5.489	160-170	14.95	58762	100,100
180	7.127	6.383	5.578	5.937	7.154	6.498	5.673	6.038	170-180	6.004	58768	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:2024-04-10

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

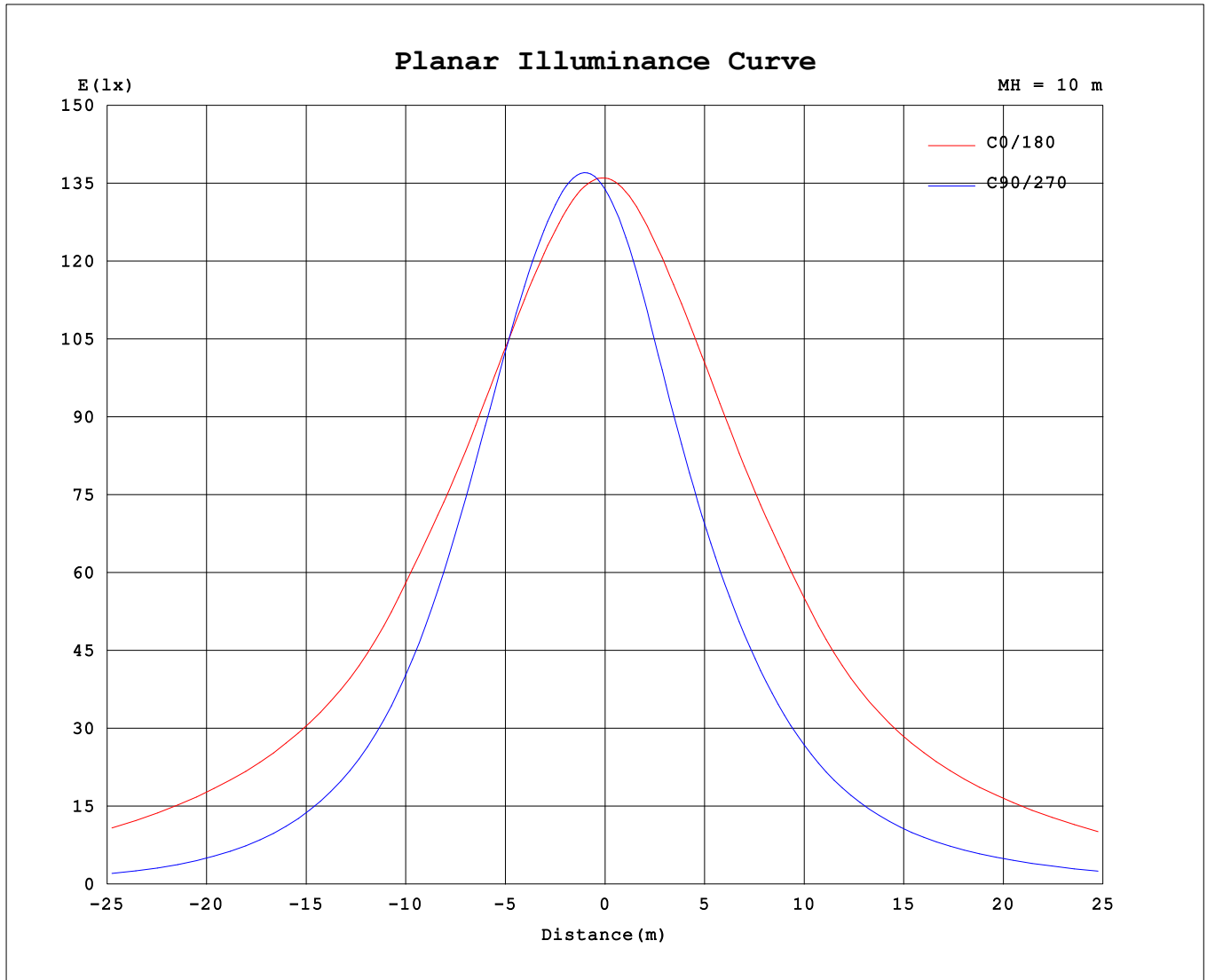
Test:U:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-04-10

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



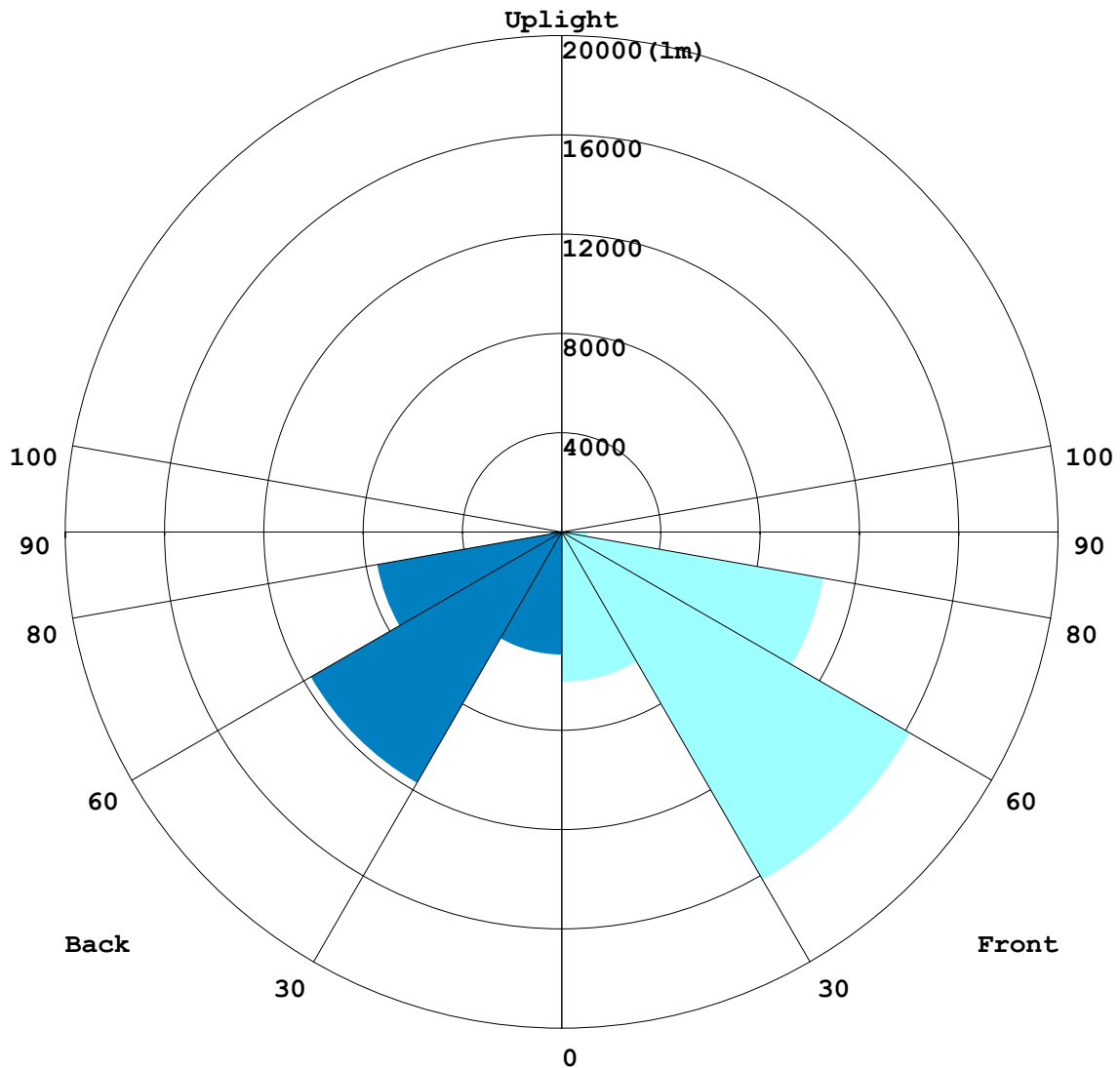
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.4℃
 Operators:DAMIN
 Test Date:2024-04-10

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:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 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:2024-04-10

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:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 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)	6037.7	10.3
FM - Front-Medium(30-60)	16195	27.6
FH - Front-High(60-80)	10710	18.2
FVH - Front-Very High(80-90)	1042.4	1.8
Total Forward Light	34079	58.0

BL - Back-Low(0-30)	4946.2	8.4
BM - Back-Medium(30-60)	11671	19.9
BH - Back-High(60-80)	7549.4	12.8
BVH - Back-Very High(80-90)	454.32	0.8
Total Back Light	24689	42.0

UL - Uplight-Low(90-100)	12.213	0.0
UH - Uplight-High(100-180)	149.11	0.3
Total Up Light	161.32	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	24621	67.851	24689
Street Side	33985	93.473	34079

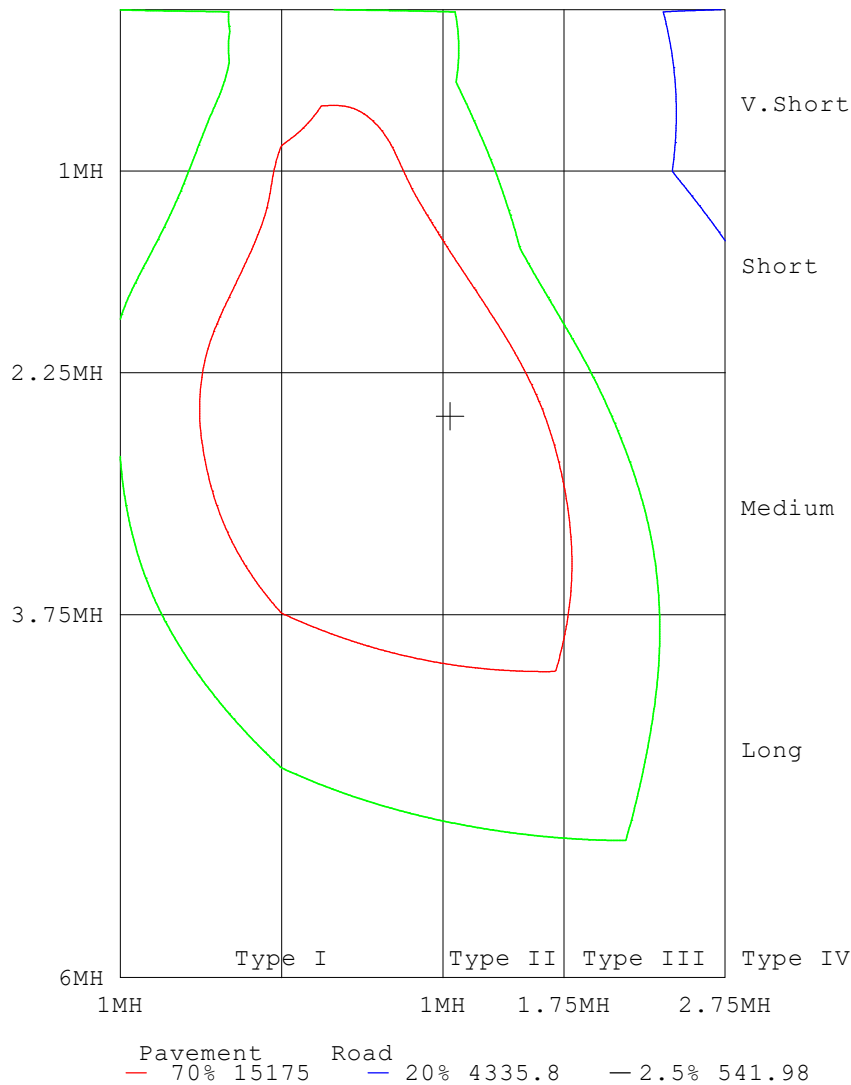
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
Operators:DAMIN
Test Date:2024-04-10

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:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 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:2024-04-10

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:117.84V I:3.8852A P:457.41W PF:0.9991 Freq:60.01Hz Lamp Flux:58767.7x1 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	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342			
5	1346	1365	1379	1388	1390	1385	1375	1359	1338	1316	1298	1285	1283	1288	1303	1324			
10	1352	1389	1409	1419	1421	1415	1401	1376	1335	1289	1247	1219	1213	1223	1259	1305			
15	1363	1414	1433	1439	1439	1434	1423	1396	1338	1261	1190	1145	1134	1152	1209	1287			
20	1383	1444	1453	1450	1449	1445	1443	1425	1351	1237	1131	1071	1059	1080	1155	1274			
25	1413	1482	1472	1452	1445	1446	1464	1463	1376	1218	1073	1005	993	1013	1102	1265			
30	1452	1525	1489	1433	1414	1429	1485	1507	1407	1206	1020	945	933	953	1054	1266			
35	1497	1575	1499	1388	1355	1384	1498	1558	1445	1204	976	891	878	899	1015	1279			
40	1561	1640	1493	1313	1263	1311	1495	1624	1496	1205	931	834	821	843	977	1302			
45	1620	1722	1466	1208	1142	1206	1477	1704	1538	1197	882	772	761	783	935	1309			
50	1656	1773	1409	1077	1001	1076	1430	1747	1564	1186	834	709	702	723	893	1313			
55	1733	1826	1312	926	850	927	1342	1807	1622	1180	787	648	644	664	852	1330			
60	1857	1917	1183	764	688	763	1224	1919	1728	1189	735	590	589	606	805	1359			
65	1996	2028	1024	587	508	585	1074	2073	1866	1192	676	535	536	549	747	1363			
70	1999	2083	833	410	340	406	883	2193	1885	1039	571	445	429	467	624	1223			
75	1549	1848	582	260	214	256	621	1885	1502	709	394	246	221	276	407	851			
80	766	1151	300	150	120	145	308	1069	790	281	184	99.0	91.9	114	173	333			
85	196	426	90.1	64.5	49.4	60.6	79.5	315	181	48.8	43.6	28.2	28.6	32.4	42.0	70.9			
90	3.85	3.13	1.78	1.11	0.97	1.03	1.52	3.00	1.05	0.62	0.38	0.27	0.22	0.29	0.49	0.84			
95	3.44	2.37	1.37	1.02	0.98	1.06	1.49	2.73	0.68	0.48	0.27	0.19	0.18	0.20	0.27	0.51			
100	3.66	2.55	1.55	1.19	1.18	1.24	1.70	2.83	0.89	0.55	0.29	0.22	0.24	0.33	0.32	0.54			
105	4.02	2.97	1.88	1.41	1.41	1.40	1.96	2.97	1.27	0.66	0.38	0.32	0.36	0.49	0.54	0.71			
110	4.21	3.31	2.09	1.71	1.50	1.68	2.18	3.06	1.69	1.02	0.62	0.55	0.56	0.75	0.91	1.09			
115	4.28	3.51	2.14	2.04	1.56	1.93	2.36	3.14	2.39	1.91	1.15	0.95	0.96	1.23	1.11	1.85			
120	4.08	3.49	2.32	2.26	1.55	2.15	2.47	3.07	3.14	2.83	1.96	1.50	1.50	1.88	1.82	2.81			
125	4.02	3.51	2.66	2.48	1.90	2.38	2.65	3.05	3.59	3.49	2.51	1.98	1.99	2.30	2.52	3.25			
130	4.10	3.48	2.95	2.75	2.23	2.59	2.86	3.14	3.71	3.63	2.87	2.37	2.41	2.69	2.96	3.27			
135	4.33	3.54	3.29	3.05	2.61	2.92	3.10	3.32	3.82	3.75	3.10	2.73	2.76	3.06	3.32	3.30			
140	4.53	3.73	3.59	3.37	3.02	3.26	3.32	3.52	3.94	3.85	3.33	3.06	3.08	3.29	3.52	3.29			
145	4.74	4.13	3.96	3.75	3.40	3.58	3.56	3.71	4.08	3.95	3.56	3.40	3.33	3.47	3.68	3.31			
150	5.02	4.68	4.39	4.20	3.86	3.92	3.86	3.95	4.21	3.99	3.73	3.68	3.61	3.53	3.61	3.30			
155	5.33	5.22	4.75	4.59	4.21	4.19	4.10	4.16	4.48	4.30	4.18	4.21	3.98	3.66	3.63	3.38			
160	5.72	5.71	5.14	4.96	4.53	4.47	4.40	4.43	5.09	4.94	4.77	4.67	4.26	3.83	3.73	3.75			
165	6.21	6.20	5.61	5.38	4.88	4.72	4.70	4.82	6.22	6.16	5.88	5.57	5.13	4.78	4.78	4.73			
170	7.05	7.00	6.30	5.94	5.50	5.28	5.39	5.66	7.01	6.98	6.40	6.05	5.66	5.40	5.49	5.52			
175	7.30	7.53	6.75	6.35	5.95	5.72	5.94	6.20	7.26	7.39	6.66	6.30	5.93	5.72	5.99	6.05			
180	7.13	7.19	6.38	5.95	5.58	5.49	5.94	6.23	7.15	7.28	6.50	6.01	5.67	5.54	6.04	6.33			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4℃
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: