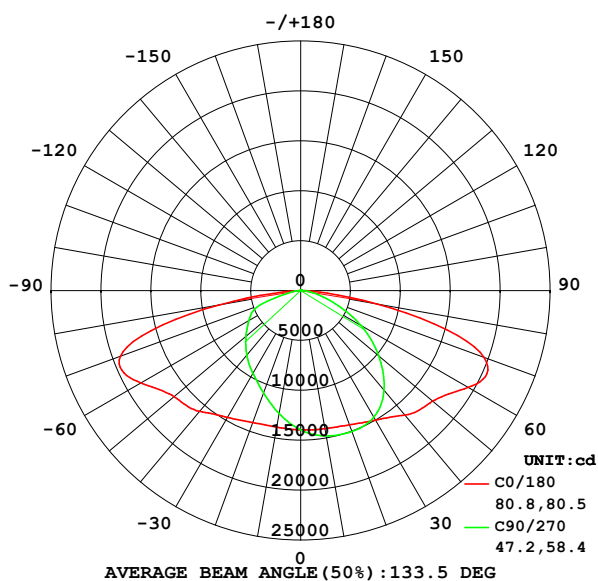
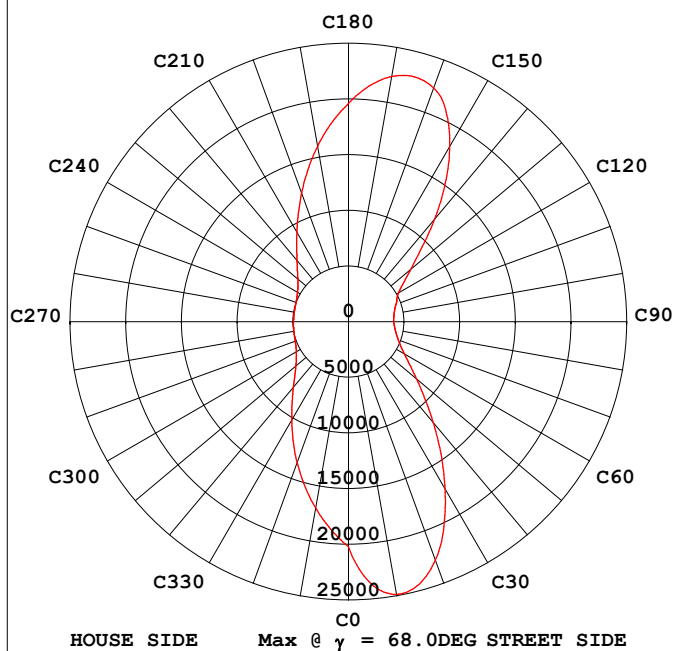


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.01 lm/W			
MODEL		I _{max} (cd)	21794	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	57.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	60357	η house_up (%)	0.1
NOMINAL FLUX (lm)	60356.6	MAXIMUM @ (C, γ)	158,68.0	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	26.560

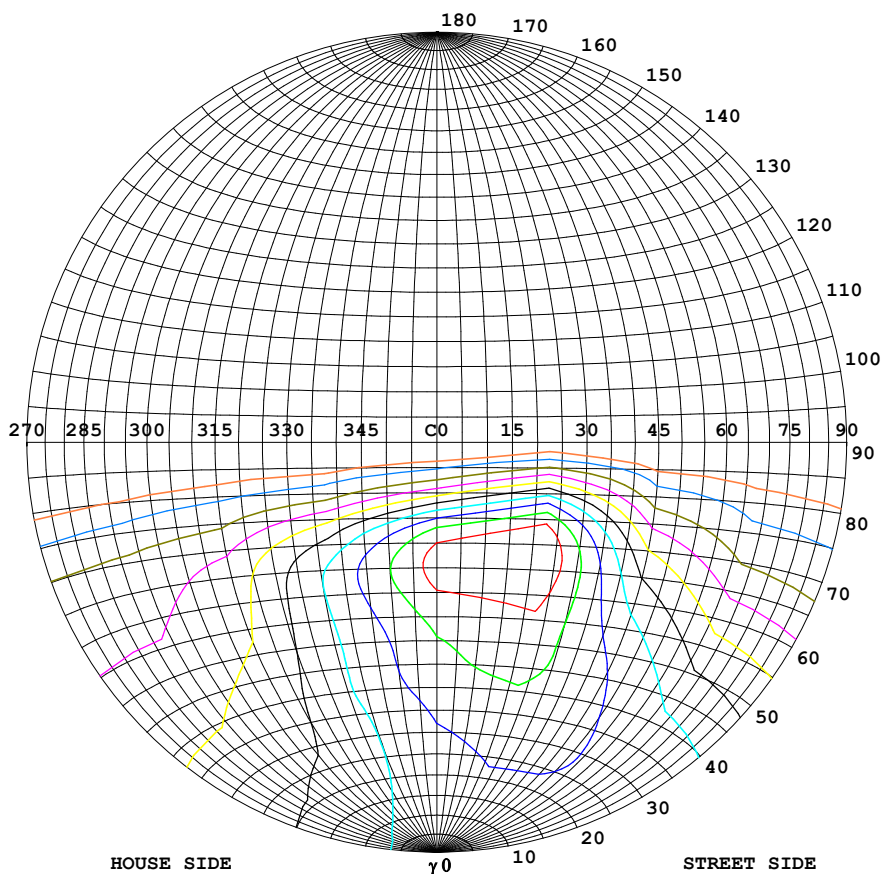
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

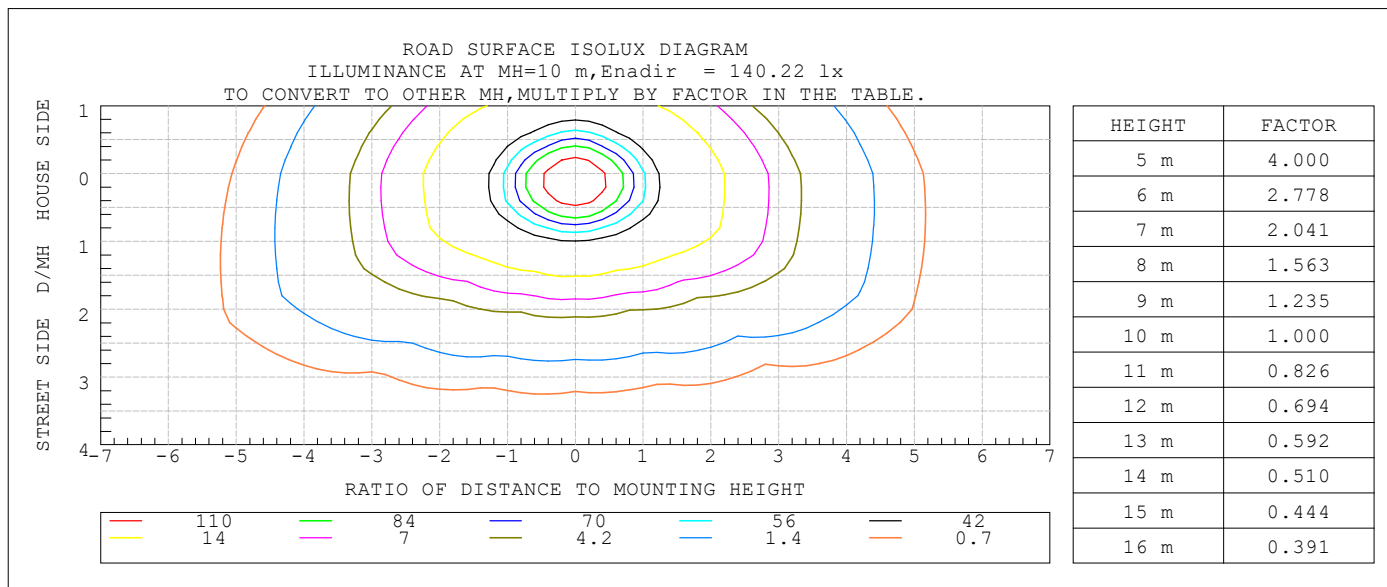
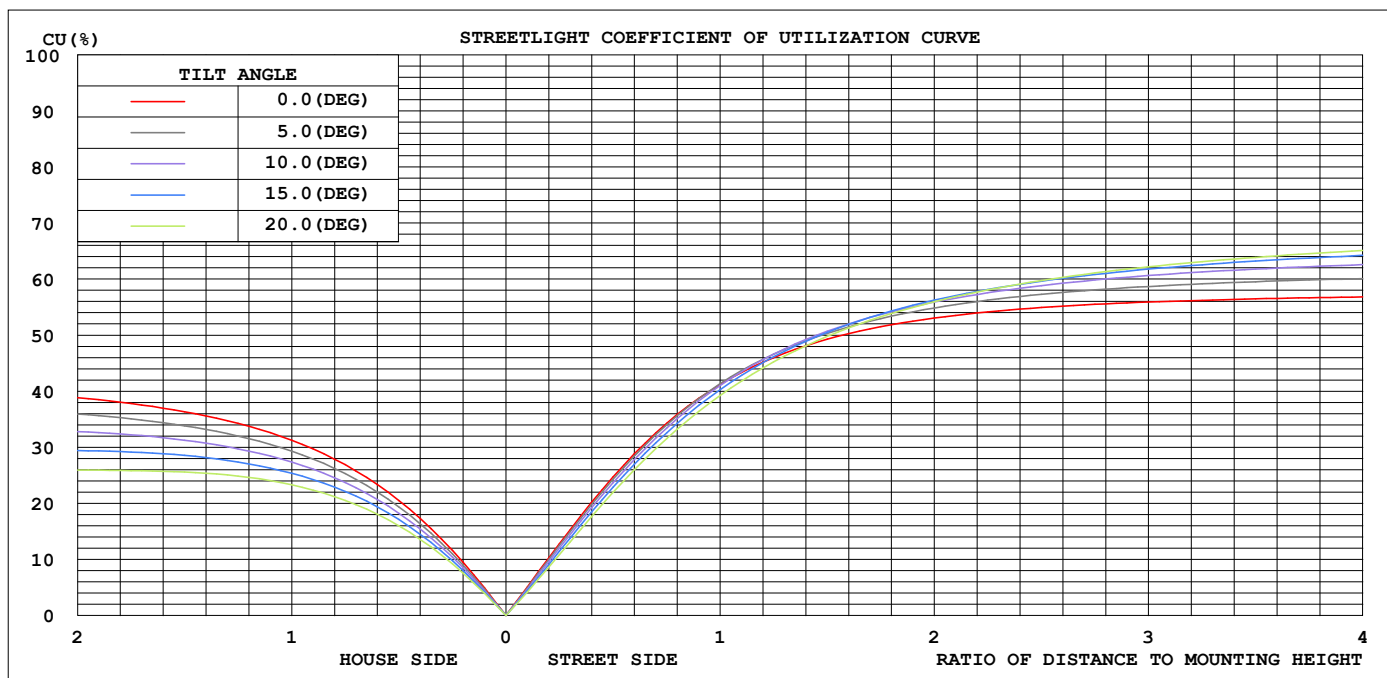
IES:Type III - Medium
CIE:Average - Intermediate
IES:None cut-off
CIE:Non-cut-off
Max.At80:207.7cd/klm
Max.At90:0.7122cd/klm
Max.80-90:207.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	21794
90%	19615
80%	17435
70%	15256
60%	13077
50%	10897
40%	8718
30%	6538
20%	4359
10%	2179
5%	1090

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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: 23.2℃
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:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

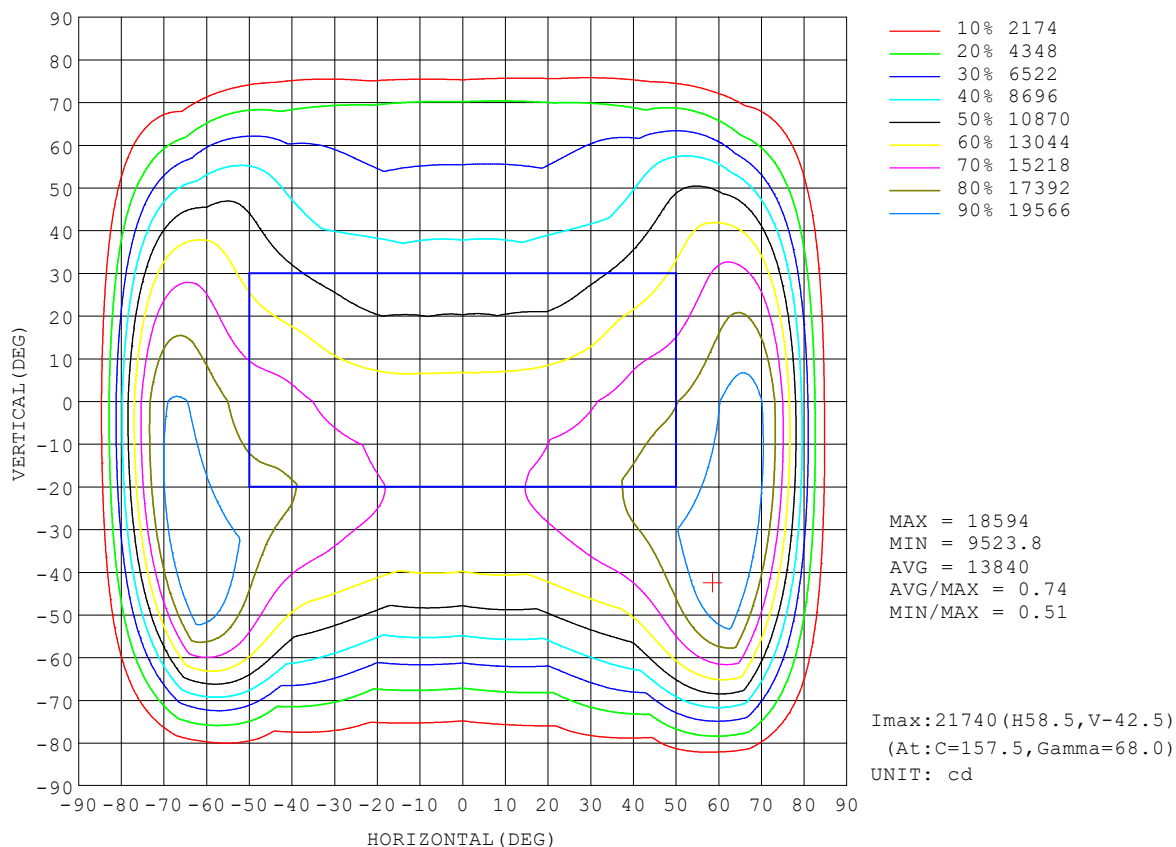
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1404	1466	1479	1460	1390	1292	1252	1303	0- 10	1325	1325	2.2,2.2
20	1432	1508	1503	1503	1407	1170	1091	1186	10- 20	3867	5192	8.6,8.6
30	1500	1546	1466	1536	1469	1056	959.0	1074	20- 30	6191	11383	18.9,18.9
40	1628	1556	1301	1534	1579	966.6	842.1	990.5	30- 40	8257	19640	32.5,32.5
50	1725	1477	1023	1447	1656	869.6	717.8	895.8	40- 50	9851	29491	48.9,48.9
60	1940	1243	698.1	1212	1852	773.4	600.2	801.7	50- 60	10709	40200	66.6,66.6
70	1954	878.7	342.2	822.2	1923	592.8	440.3	621.9	60- 70	10915	51115	84.7,84.7
80	780.0	318.4	119.0	258.4	830.9	175.6	92.20	181.5	70- 80	7572	58688	97.2,97.2
90	4.299	1.796	0.9541	1.456	1.045	0.3787	0.2262	0.5630	80- 90	1504	60191	99.7,99.7
100	3.823	1.589	1.201	1.670	0.9102	0.3032	0.2392	0.3111	90-100	12.43	60204	99.7,99.7
110	4.352	2.084	1.649	2.158	1.740	0.6310	0.5657	0.8426	100-110	15.36	60219	99.8,99.8
120	4.253	2.357	1.766	2.504	3.396	2.029	1.511	1.835	110-120	20.73	60240	99.8,99.8
130	4.265	3.009	2.044	2.904	3.913	2.975	2.480	3.066	120-130	25.23	60265	99.8,99.8
140	4.696	3.701	2.957	3.381	4.098	3.418	3.181	3.674	130-140	25.84	60291	99.9,99.9
150	5.196	4.532	3.937	3.939	4.324	3.796	3.736	3.763	140-150	24.00	60315	99.9,99.9
160	5.900	5.306	4.646	4.495	5.239	4.807	4.419	3.867	150-160	20.21	60335	100,100
170	7.377	6.484	5.628	5.509	7.262	6.507	5.787	5.650	160-170	15.34	60350	100,100
180	7.335	6.578	5.726	6.052	7.469	6.683	5.813	6.149	170-180	6.162	60357	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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

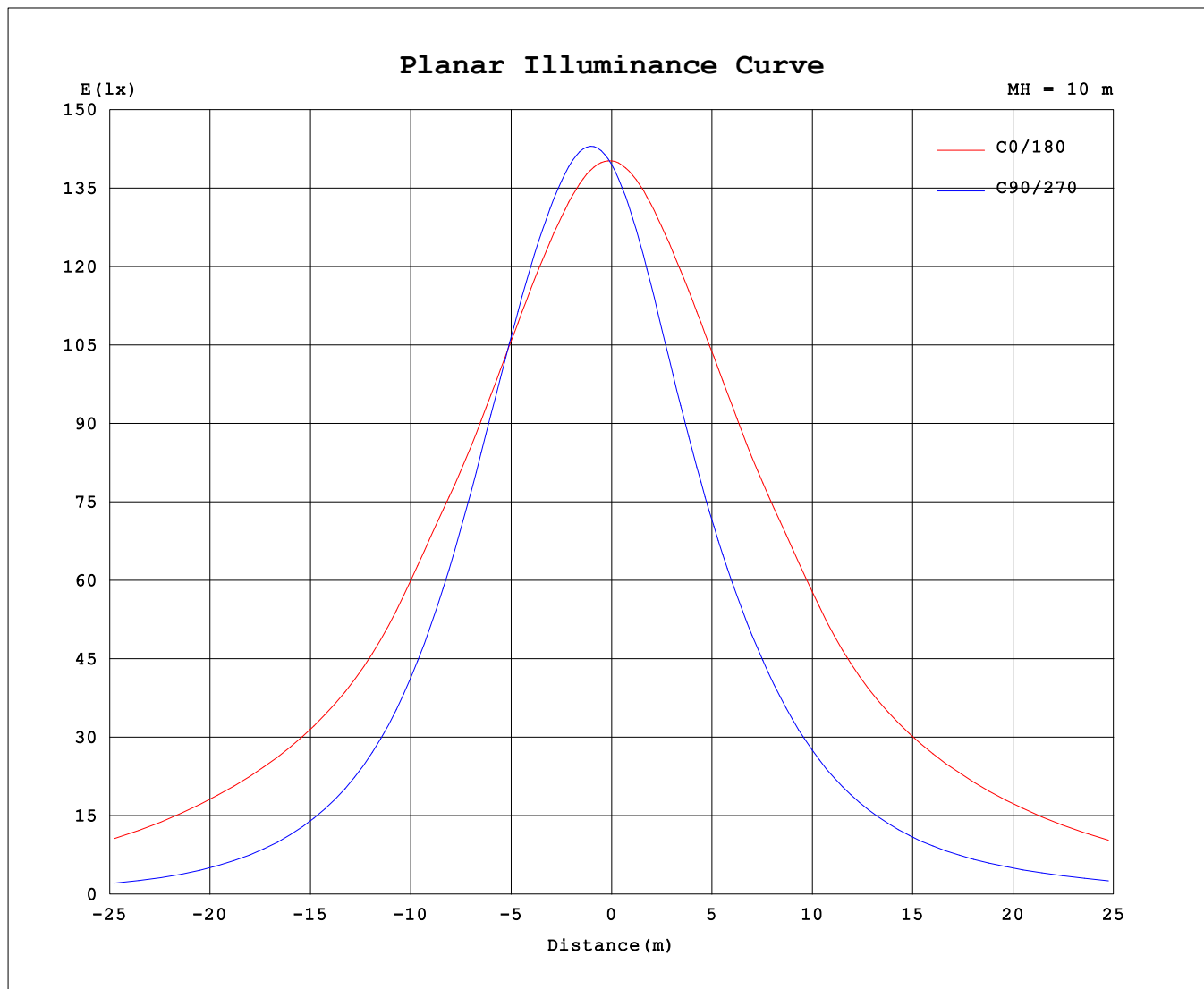
Test:U:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2°C
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



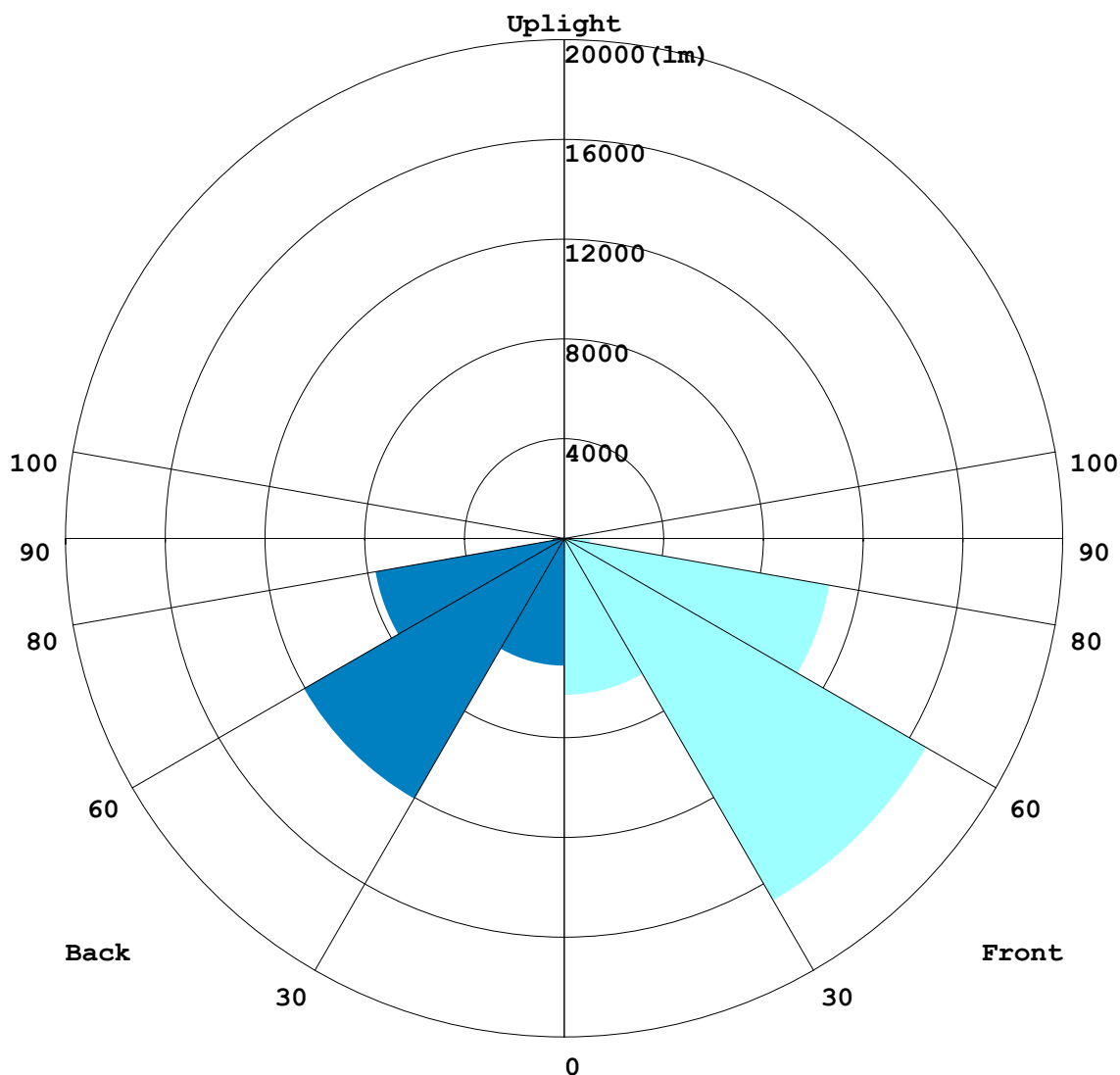
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2°C
Operators:DAMIN
Test Date:2024-04-10

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:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 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: 23.2℃
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:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 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)	6272.9	10.4
FM - Front-Medium(30-60)	16769	27.8
FH - Front-High(60-80)	10802	17.9
FVH - Front-Very High(80-90)	1038.5	1.7
Total Forward Light	34978	58.0

BL - Back-Low(0-30)	5110.2	8.5
BM - Back-Medium(30-60)	12048	20.0
BH - Back-High(60-80)	7685.8	12.7
BVH - Back-Very High(80-90)	465.09	0.8
Total Back Light	25379	42.0

UL - Uplight-Low(90-100)	12.433	0.0
UH - Uplight-High(100-180)	152.87	0.3
Total Up Light	165.3	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	25309	69.73	25379
Street Side	34882	95.573	34978

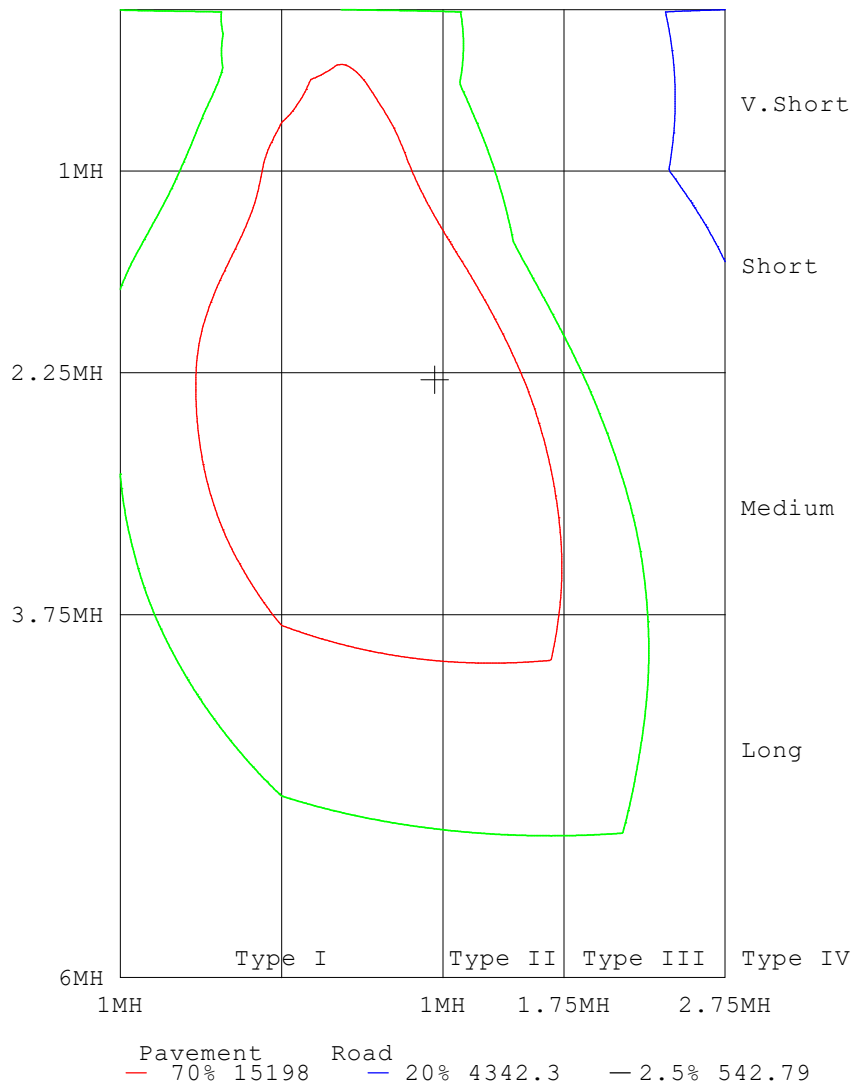
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
Operators:DAMIN
Test Date:2024-04-10

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:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 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: 23.2℃
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:118.01V I:3.6307A P:428.04W PF:0.9990 Freq:60.01Hz Lamp Flux:60356.6x1 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	1396	1396	1396	1396	1396	1396	1396	1396	1396	1396	1396	1396	1396	1396	1396	1396			
5	1400	1420	1435	1445	1447	1443	1431	1414	1392	1368	1347	1333	1330	1336	1353	1375			
10	1404	1444	1466	1478	1479	1475	1460	1433	1390	1339	1292	1261	1252	1266	1303	1353			
15	1414	1471	1489	1496	1496	1494	1483	1456	1393	1309	1232	1182	1169	1189	1247	1331			
20	1432	1501	1508	1505	1503	1504	1503	1486	1407	1284	1170	1106	1091	1112	1186	1311			
25	1461	1539	1528	1505	1497	1503	1520	1524	1433	1264	1109	1037	1021	1042	1128	1296			
30	1500	1584	1546	1486	1466	1481	1536	1569	1469	1254	1056	975	959	979	1074	1291			
35	1551	1639	1557	1440	1401	1431	1543	1620	1513	1256	1013	918	902	922	1032	1302			
40	1628	1715	1556	1361	1301	1348	1534	1694	1579	1262	967	859	842	864	991	1326			
45	1689	1809	1535	1250	1171	1232	1508	1781	1627	1252	917	794	779	800	942	1328			
50	1725	1857	1477	1112	1023	1091	1447	1818	1656	1244	870	728	718	736	896	1331			
55	1810	1924	1377	955	865	933	1348	1880	1730	1246	823	664	657	674	851	1347			
60	1940	2034	1243	788	698	764	1212	2000	1852	1262	773	604	600	615	802	1370			
65	2042	2147	1081	608	514	581	1043	2140	1954	1239	712	548	546	557	743	1353			
70	1954	2144	879	424	342	399	822	2161	1923	1053	593	461	440	475	622	1168			
75	1514	1880	607	269	214	249	532	1822	1551	730	390	260	228	279	400	807			
80	780	1253	318	154	119	140	258	1047	831	301	176	103	92.2	113	181	328			
85	198	455	94.8	65.2	48.8	57.3	68.2	271	176	49.1	41.7	28.3	29.8	32.9	47.2	68.9			
90	4.30	3.61	1.80	1.19	0.95	1.00	1.46	2.87	1.04	0.63	0.38	0.27	0.23	0.31	0.56	1.01			
95	3.56	2.47	1.43	1.04	0.99	1.07	1.47	2.70	0.69	0.51	0.28	0.20	0.18	0.19	0.26	0.50			
100	3.82	2.69	1.59	1.23	1.20	1.25	1.67	2.82	0.91	0.57	0.30	0.22	0.24	0.31	0.31	0.53			
105	4.14	3.10	1.86	1.44	1.46	1.45	1.94	2.99	1.29	0.72	0.40	0.32	0.36	0.47	0.53	0.70			
110	4.35	3.43	2.08	1.72	1.65	1.67	2.16	3.10	1.74	1.04	0.63	0.55	0.57	0.74	0.84	1.07			
115	4.44	3.66	2.16	2.07	1.72	1.92	2.37	3.18	2.48	1.91	1.19	0.98	0.96	1.25	1.11	1.84			
120	4.25	3.67	2.36	2.32	1.77	2.05	2.50	3.13	3.40	3.03	2.03	1.55	1.51	1.88	1.84	2.81			
125	4.18	3.69	2.70	2.53	1.73	2.29	2.69	3.11	3.77	3.53	2.62	2.05	2.00	2.35	2.63	3.35			
130	4.26	3.72	3.01	2.77	2.04	2.61	2.90	3.21	3.91	3.75	2.98	2.45	2.48	2.77	3.07	3.43			
135	4.50	3.76	3.38	3.08	2.53	2.99	3.16	3.40	3.99	3.90	3.21	2.82	2.85	3.14	3.45	3.44			
140	4.70	3.91	3.70	3.42	2.96	3.33	3.38	3.61	4.10	3.99	3.42	3.16	3.18	3.40	3.67	3.43			
145	4.88	4.25	4.08	3.83	3.45	3.66	3.64	3.80	4.22	4.07	3.62	3.49	3.44	3.56	3.84	3.45			
150	5.20	4.79	4.53	4.30	3.94	4.00	3.94	4.03	4.32	4.12	3.80	3.80	3.74	3.64	3.76	3.44			
155	5.50	5.34	4.90	4.71	4.31	4.27	4.19	4.25	4.58	4.40	4.22	4.29	4.12	3.79	3.76	3.47			
160	5.90	5.88	5.31	5.09	4.65	4.55	4.49	4.53	5.24	5.03	4.81	4.77	4.42	3.98	3.87	3.83			
165	6.42	6.39	5.78	5.52	5.00	4.80	4.80	4.91	6.44	6.29	5.95	5.72	5.28	4.95	4.94	4.86			
170	7.38	7.21	6.48	6.10	5.63	5.37	5.51	5.77	7.26	7.14	6.51	6.21	5.79	5.57	5.65	5.65			
175	7.67	7.73	6.94	6.52	6.09	5.83	6.09	6.33	7.46	7.60	6.81	6.47	6.08	5.87	6.14	6.19			
180	7.34	7.39	6.58	6.12	5.73	5.60	6.05	6.36	7.47	7.51	6.68	6.20	5.81	5.67	6.15	6.47			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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: