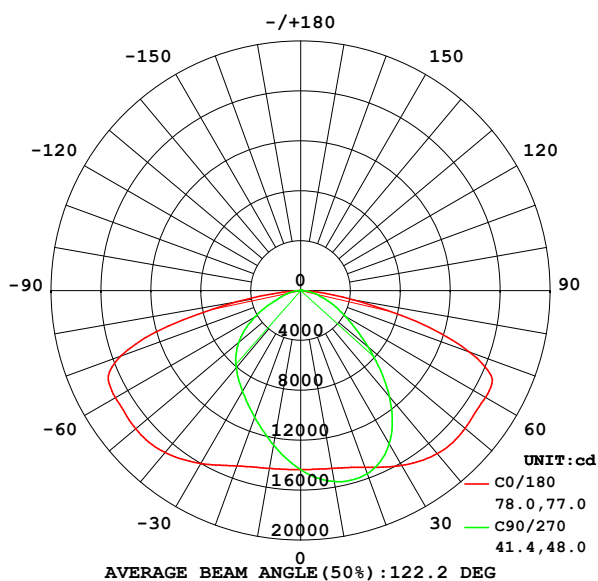
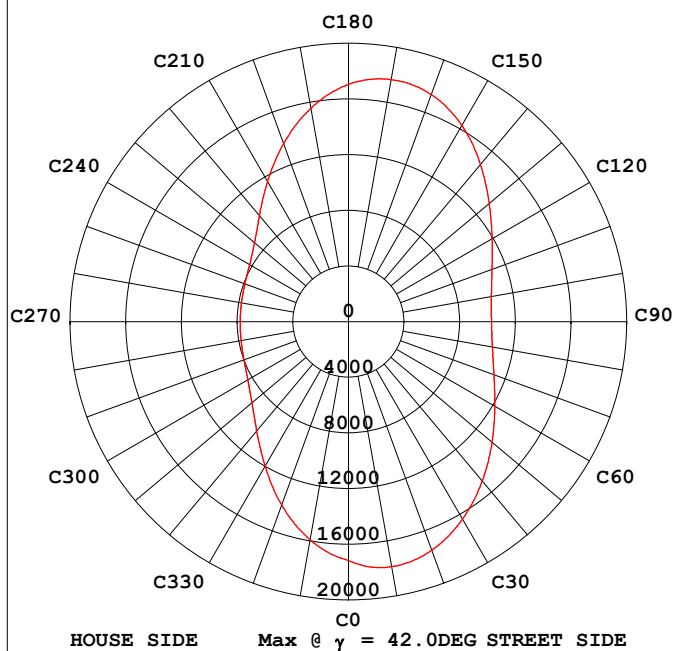


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.48 lm/W			
MODEL		I _{max} (cd)	17261	η street_up (%)	0.2
NOMINAL POWER (W)	400	LOR (%)	100.0	η street_down (%)	55.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	50563	η house_up (%)	0.1
NOMINAL FLUX (lm)	50563.4	MAXIMUM @ (C, γ)	23,42.0	η house_down (%)	44.1
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	25.686

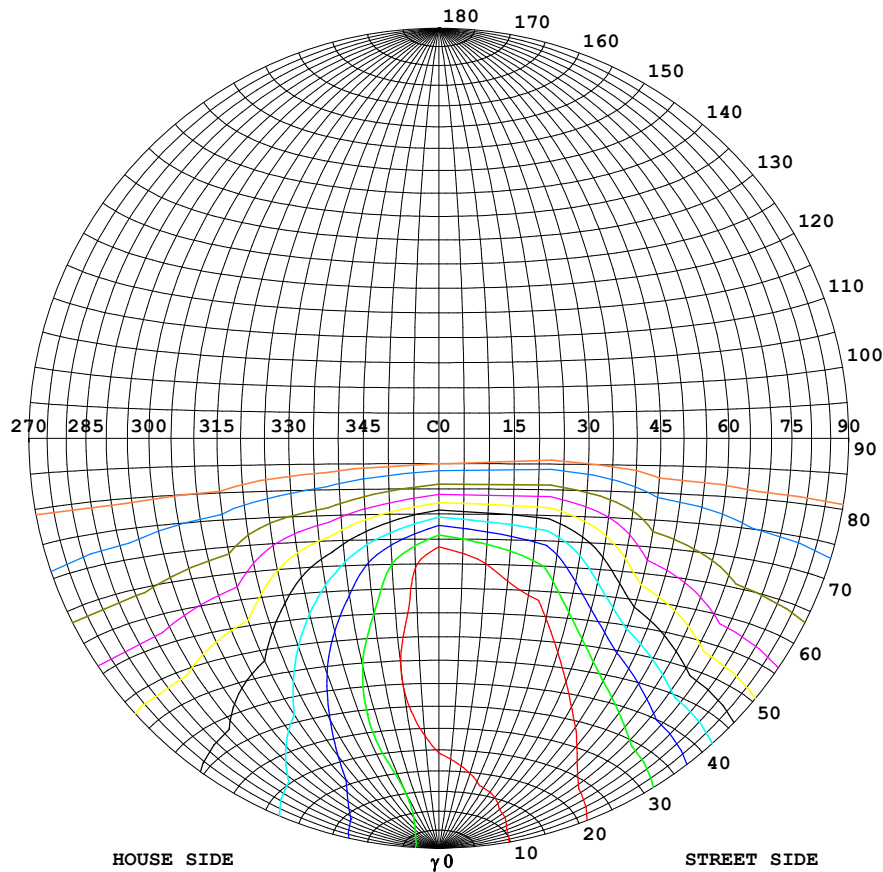
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2024-03-19

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:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

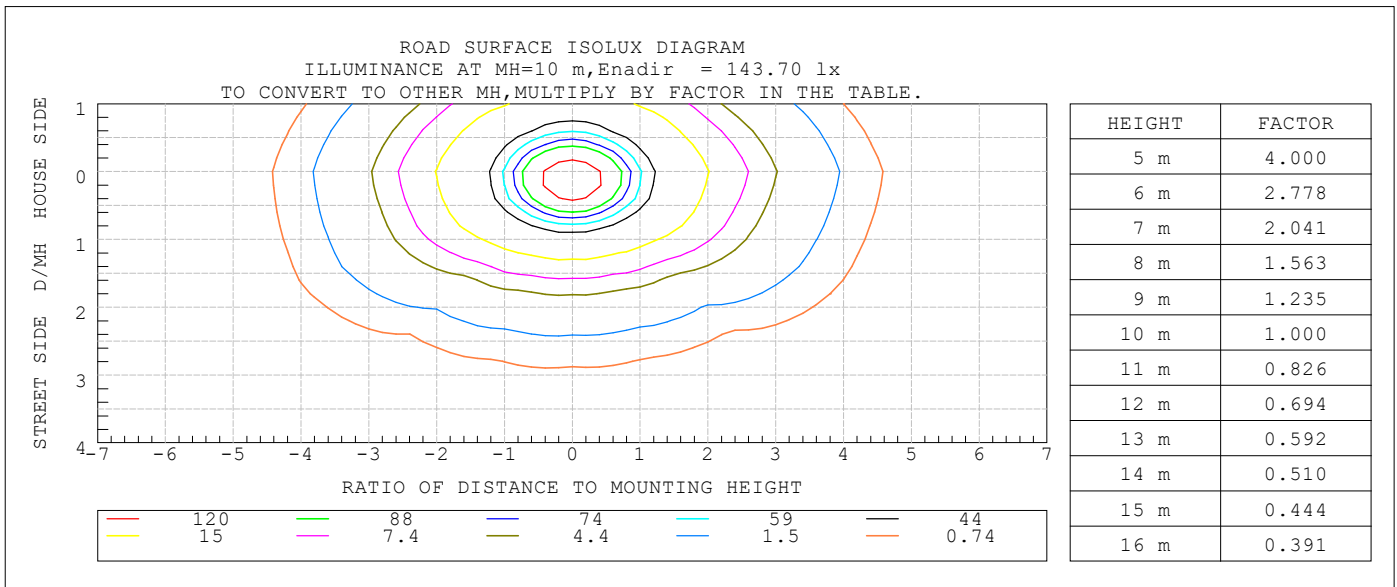
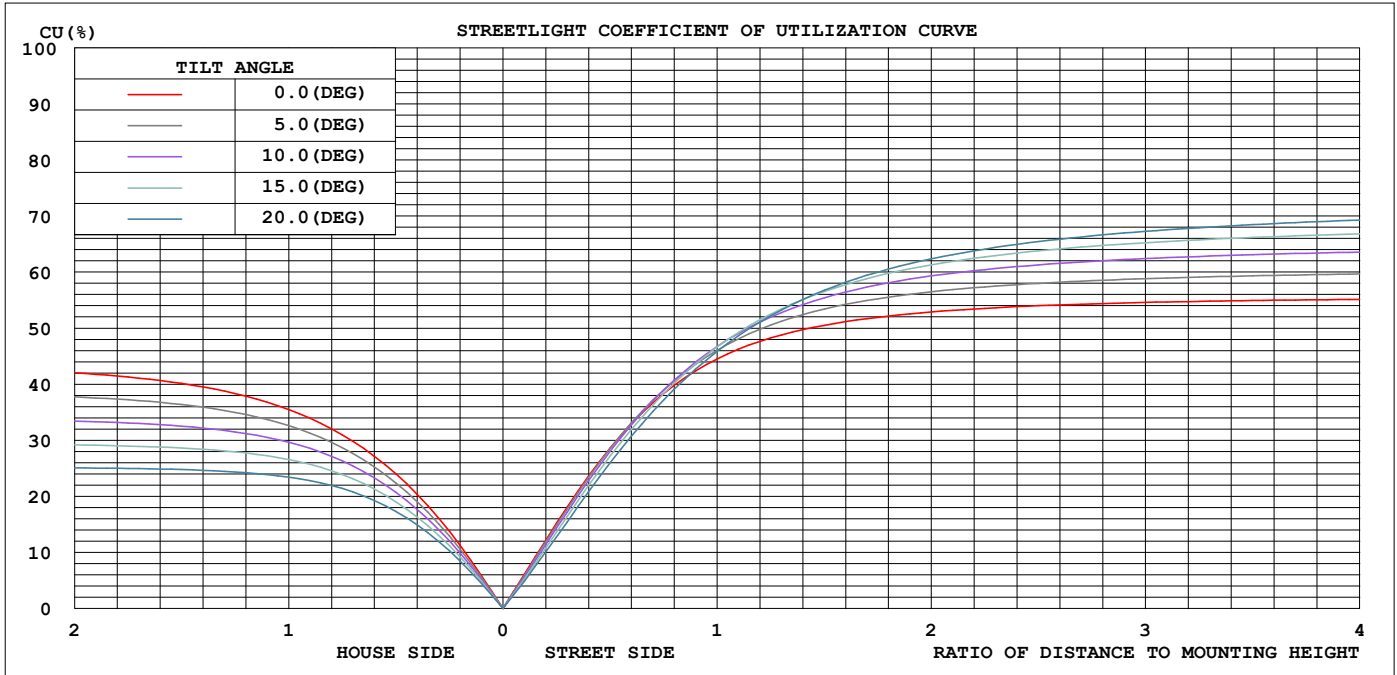
IES:Type II - Very Short
CIE:Narrow - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:101.7cd/klm
Max.At90:0.5371cd/klm
Max.80-90:101.7cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		17261
90%		15535
80%		13809
70%		12083
60%		10357
50%		8631
40%		6904
30%		5178
20%		3452
10%		1726
5%		863

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2024-03-19

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: 27.2°C
Operators:DAMIN
Test Date:2024-03-19

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:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

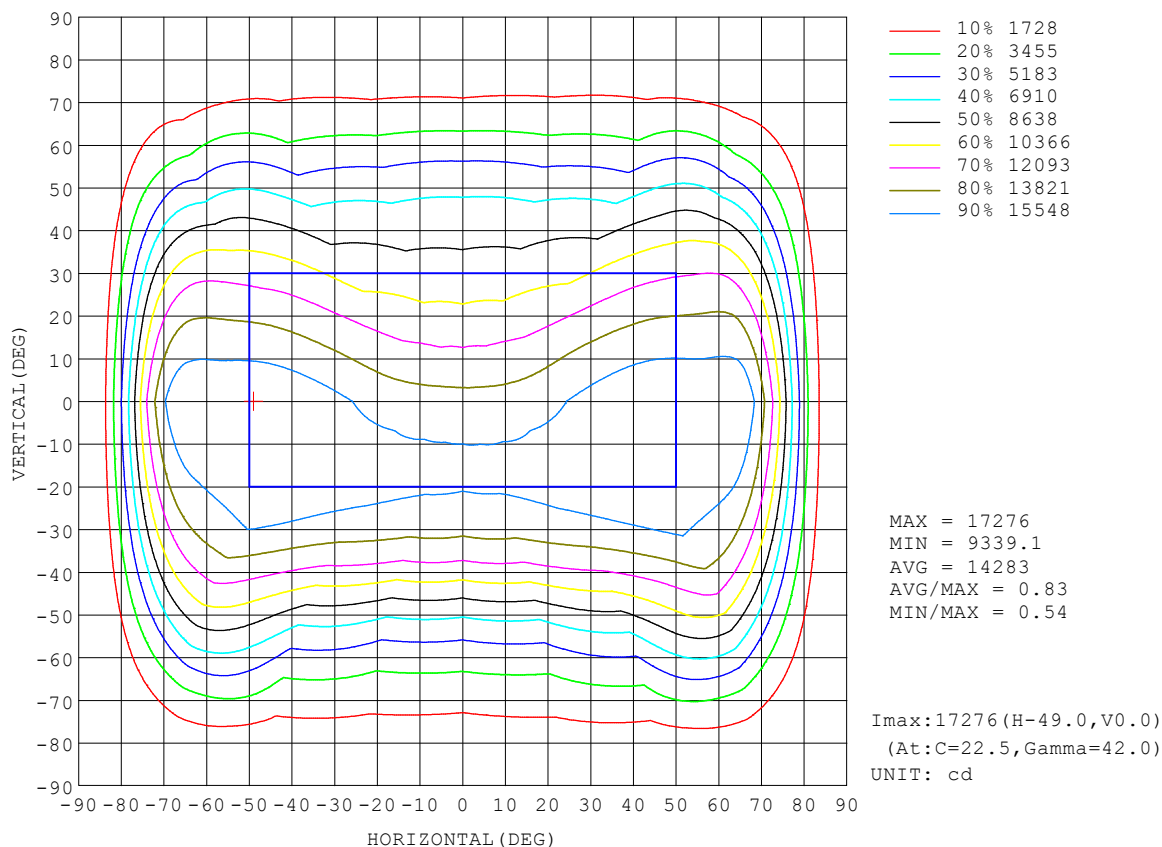
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1447	1531	1554	1537	1448	1318	1257	1320	0- 10	1366	1366	2.7,2.7
20	1507	1584	1562	1590	1495	1203	1080	1217	10- 20	4013	5379	10.6,10.6
30	1618	1580	1419	1577	1600	1090	933.4	1116	20- 30	6429	11809	23.4,23.4
40	1705	1463	1107	1441	1694	959.9	805.7	987.9	30- 40	8318	20127	39.8,39.8
50	1720	1192	710.6	1149	1725	800.8	650.4	823.2	40- 50	9216	29343	58,58
60	1713	803.0	413.8	746.1	1715	570.1	425.0	584.5	50- 60	8854	38196	75.5,75.5
70	1441	434.4	220.8	389.9	1535	300.2	187.4	310.5	60- 70	7360	45556	90.1,90.1
80	420.7	148.2	93.01	131.5	514.4	91.08	79.19	91.14	70- 80	4128	49684	98.3,98.3
90	2.716	0.9484	0.6233	0.8718	0.8685	0.3117	0.2093	0.3652	80- 90	735.9	50420	99.7,99.7
100	3.053	1.198	0.8586	1.206	0.4529	0.1989	0.1853	0.1780	90-100	8.608	50429	99.7,99.7
110	3.599	1.895	1.388	1.801	0.8879	0.3507	0.3665	0.4516	100-110	11.56	50440	99.8,99.8
120	3.858	2.296	1.897	2.317	2.280	1.234	0.9556	1.099	110-120	16.10	50456	99.8,99.8
130	4.134	3.122	2.331	2.885	3.160	2.189	1.735	2.335	120-130	21.21	50478	99.8,99.8
140	4.715	3.948	3.025	3.388	3.688	2.957	2.566	3.200	130-140	23.52	50501	99.9,99.9
150	5.022	4.643	3.721	3.749	3.677	3.304	3.385	3.414	140-150	22.53	50524	99.9,99.9
160	5.838	5.466	4.440	4.334	4.734	4.292	4.274	3.872	150-160	18.99	50543	100,100
170	7.024	6.461	5.363	5.252	7.127	6.426	5.427	5.469	160-170	15.02	50558	100,100
180	6.897	6.245	5.175	5.429	7.029	6.354	5.233	5.514	170-180	5.848	50563	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2024-03-19

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

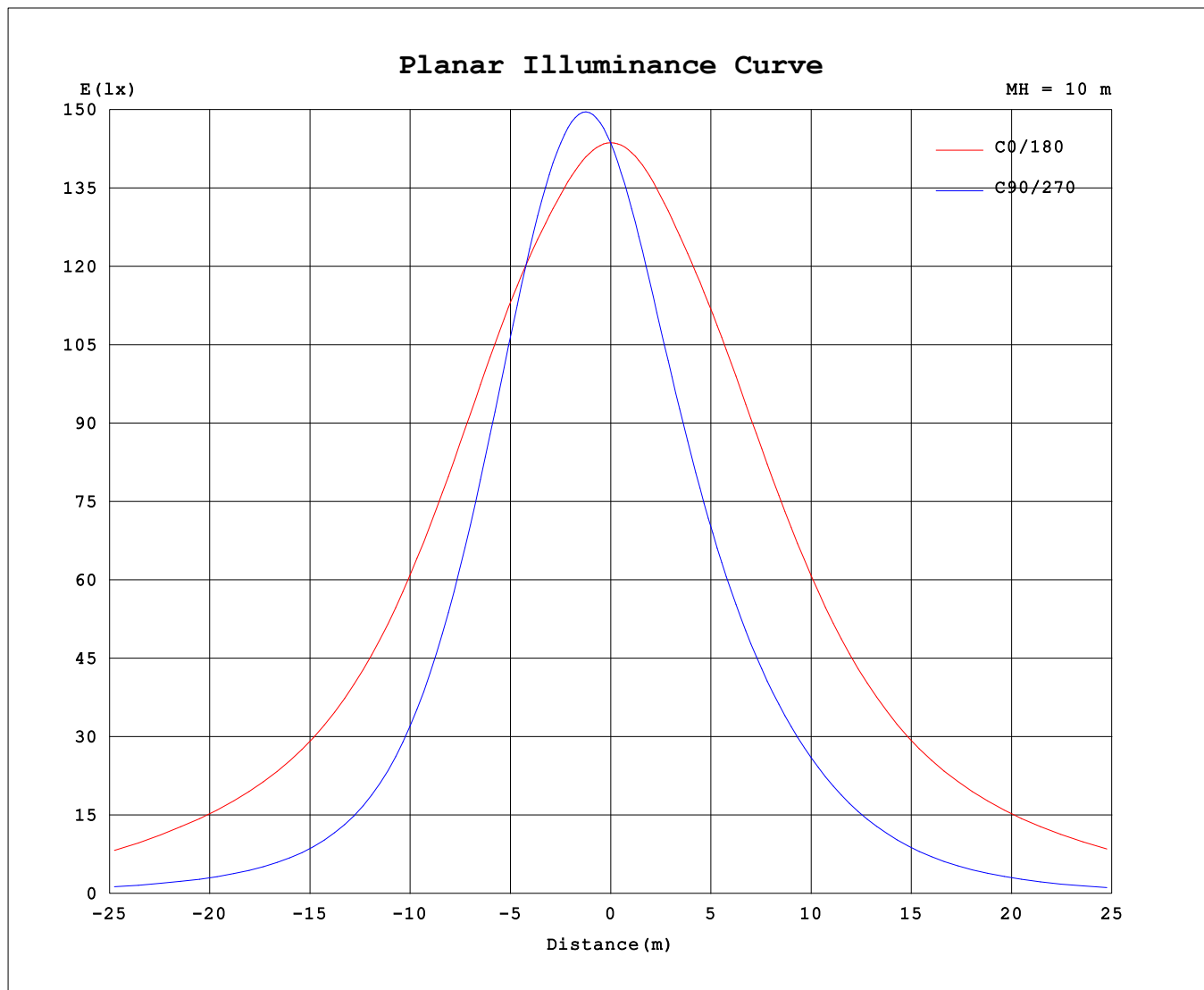
Test:U:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2°C
Operators:DAMIN
Test Date:2024-03-19

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



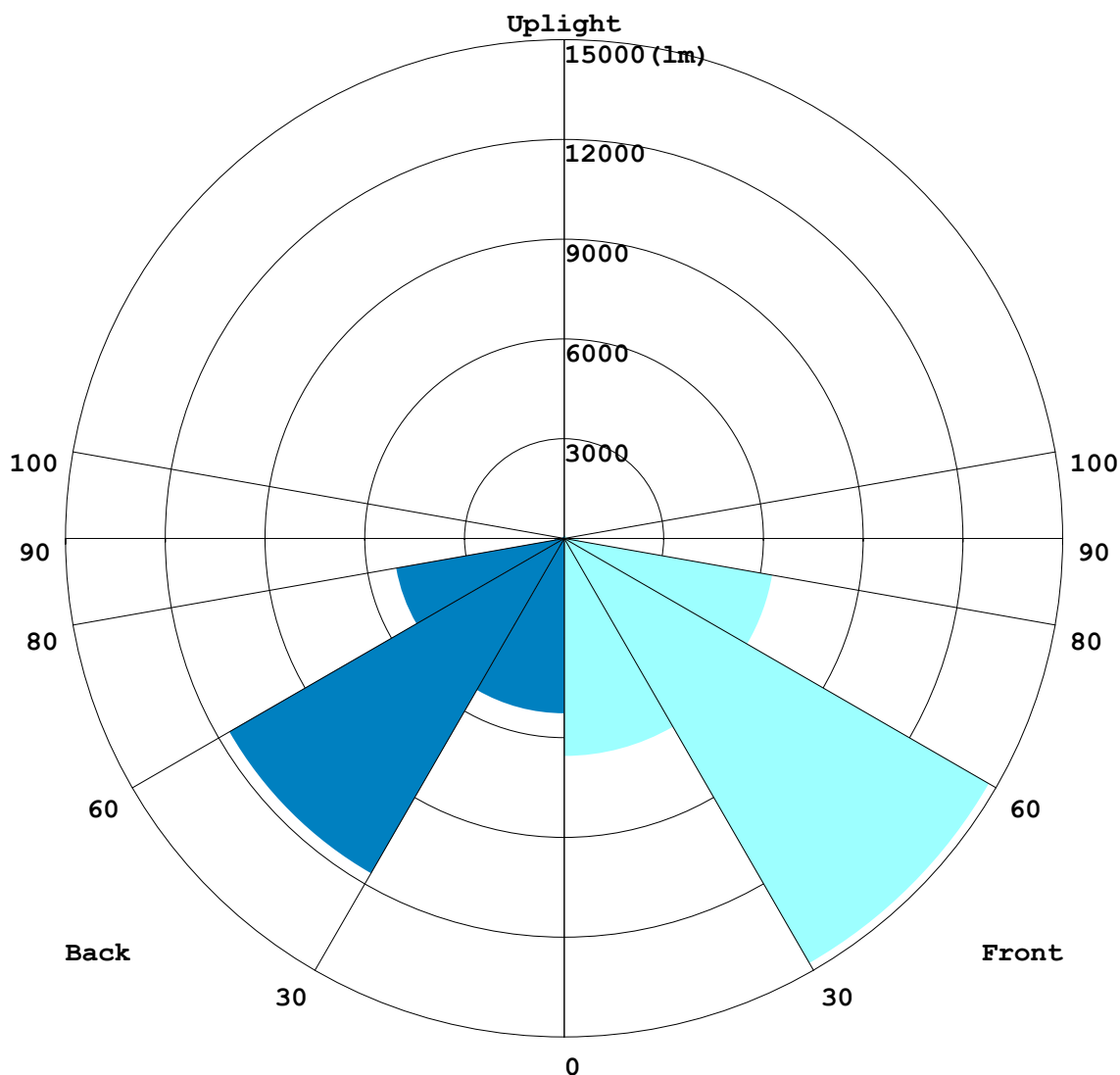
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.2°C
 Operators: DAMIN
 Test Date: 2024-03-19

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:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 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: 27.2℃
Operators:DAMIN
Test Date:2024-03-19

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:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 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)	6547.5	12.9
FM - Front-Medium(30-60)	14756	29.2
FH - Front-High(60-80)	6358.2	12.6
FVH - Front-Very High(80-90)	443.84	0.9
Total Forward Light	28194	55.8

BL - Back-Low(0-30)	5261.1	10.4
BM - Back-Medium(30-60)	11632	23.0
BH - Back-High(60-80)	5129.6	10.1
BVH - Back-Very High(80-90)	292.11	0.6
Total Back Light	22370	44.2

UL - Uplight-Low(90-100)	8.6076	0.0
UH - Uplight-High(100-180)	134.78	0.3
Total Up Light	143.39	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22315	55.281	22370
Street Side	28105	88.105	28193

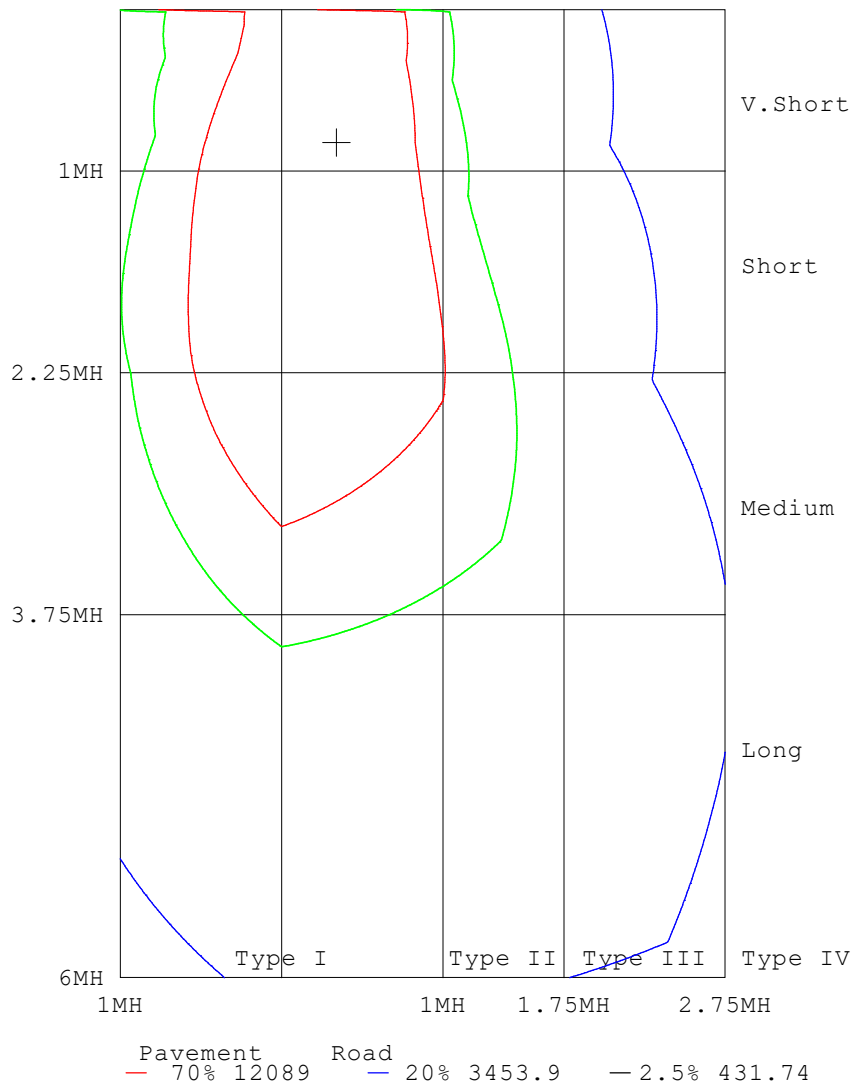
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2024-03-19

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:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 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: 27.2°C
Operators:DAMIN
Test Date:2024-03-19

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:118.12V I:3.3099A P:390.51W PF:0.9988 Freq:60.01Hz Lamp Flux:50563.4x1 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	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435			
5	1437	1466	1488	1502	1507	1504	1490	1469	1439	1407	1377	1357	1349	1357	1378	1407			
10	1447	1499	1531	1550	1554	1554	1537	1503	1448	1381	1318	1272	1257	1275	1320	1384			
15	1468	1535	1563	1574	1573	1579	1570	1539	1465	1361	1259	1188	1165	1193	1267	1372			
20	1507	1579	1584	1573	1562	1576	1590	1578	1495	1352	1203	1109	1080	1116	1217	1373			
25	1561	1628	1592	1540	1512	1542	1596	1624	1544	1351	1149	1034	1003	1041	1171	1382			
30	1618	1676	1580	1470	1419	1468	1577	1671	1600	1349	1090	964	933	971	1116	1387			
35	1668	1709	1539	1360	1282	1352	1528	1704	1652	1340	1027	896	870	903	1055	1380			
40	1705	1725	1463	1206	1107	1192	1441	1717	1694	1322	960	827	806	835	988	1364			
45	1723	1720	1346	1020	907	1000	1315	1709	1719	1291	887	753	735	761	913	1335			
50	1720	1682	1192	819	711	795	1149	1669	1725	1242	801	666	650	671	823	1286			
55	1707	1612	1007	632	543	609	953	1590	1717	1171	697	562	546	564	715	1218			
60	1713	1512	803	479	414	459	746	1469	1715	1074	570	442	425	444	585	1126			
65	1696	1379	608	358	312	344	554	1307	1700	930	432	323	303	325	445	984			
70	1441	1158	434	260	221	248	390	1079	1535	697	300	213	187	220	310	742			
75	959	811	285	175	147	164	252	773	1101	425	189	129	126	136	195	434			
80	421	408	148	102	93.0	96.0	132	394	514	182	91.1	74.9	79.2	77.4	91.1	191			
85	83.5	113	47.7	42.6	42.3	41.4	42.0	104	101	37.7	23.3	27.1	31.5	27.4	24.1	45.8			
90	2.72	1.90	0.95	0.70	0.62	0.65	0.87	1.83	0.87	0.51	0.31	0.25	0.21	0.27	0.37	0.60			
95	2.75	1.76	0.94	0.69	0.64	0.69	0.95	1.84	0.43	0.30	0.19	0.16	0.16	0.16	0.17	0.31			
100	3.05	2.08	1.20	0.89	0.86	0.91	1.21	2.12	0.45	0.31	0.20	0.17	0.19	0.19	0.18	0.30			
105	3.36	2.52	1.56	1.14	1.11	1.16	1.51	2.41	0.64	0.38	0.24	0.23	0.26	0.27	0.28	0.36			
110	3.60	2.90	1.90	1.43	1.39	1.42	1.80	2.65	0.89	0.54	0.35	0.35	0.37	0.41	0.45	0.54			
115	3.80	3.21	2.05	1.76	1.67	1.70	2.07	2.85	1.42	1.03	0.67	0.61	0.60	0.67	0.59	1.00			
120	3.86	3.40	2.30	2.10	1.90	1.97	2.32	2.97	2.28	1.85	1.23	0.98	0.96	1.15	1.10	1.77			
125	3.96	3.57	2.72	2.44	2.10	2.29	2.60	3.08	2.79	2.40	1.74	1.37	1.33	1.55	1.79	2.28			
130	4.13	3.73	3.12	2.78	2.33	2.56	2.89	3.24	3.16	2.88	2.19	1.76	1.73	1.97	2.34	2.64			
135	4.43	3.84	3.56	3.12	2.67	2.87	3.14	3.36	3.45	3.27	2.57	2.16	2.15	2.40	2.83	2.87			
140	4.71	4.04	3.95	3.49	3.02	3.18	3.39	3.60	3.69	3.54	2.96	2.60	2.57	2.84	3.20	3.08			
145	4.82	4.39	4.29	3.85	3.36	3.47	3.57	3.76	3.80	3.63	3.12	2.92	3.00	3.18	3.39	3.12			
150	5.02	4.87	4.64	4.24	3.72	3.76	3.75	3.91	3.68	3.49	3.30	3.27	3.39	3.40	3.41	3.01			
155	5.36	5.45	5.03	4.65	4.09	4.08	4.00	4.12	3.89	3.75	3.63	3.71	3.73	3.56	3.47	3.06			
160	5.84	5.97	5.47	5.07	4.44	4.38	4.33	4.42	4.73	4.44	4.29	4.31	4.27	3.88	3.87	3.67			
165	6.44	6.54	6.04	5.56	4.93	4.77	4.80	4.91	6.23	6.02	5.68	5.52	5.15	4.75	4.87	4.96			
170	7.02	7.02	6.46	6.02	5.36	5.16	5.25	5.48	7.13	7.05	6.43	5.93	5.43	5.18	5.47	5.61			
175	7.10	7.22	6.64	6.17	5.62	5.45	5.61	5.87	7.15	7.27	6.56	6.07	5.53	5.40	5.70	5.85			
180	6.90	7.00	6.24	5.70	5.17	5.06	5.43	5.84	7.03	7.13	6.35	5.77	5.23	5.13	5.51	5.96			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2024-03-19

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: