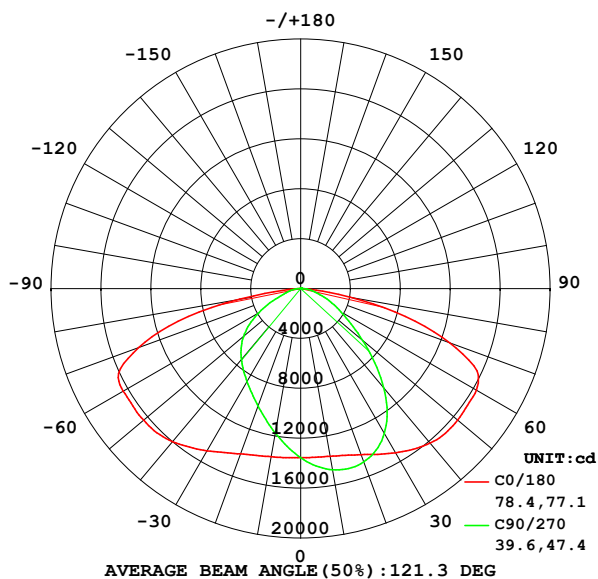
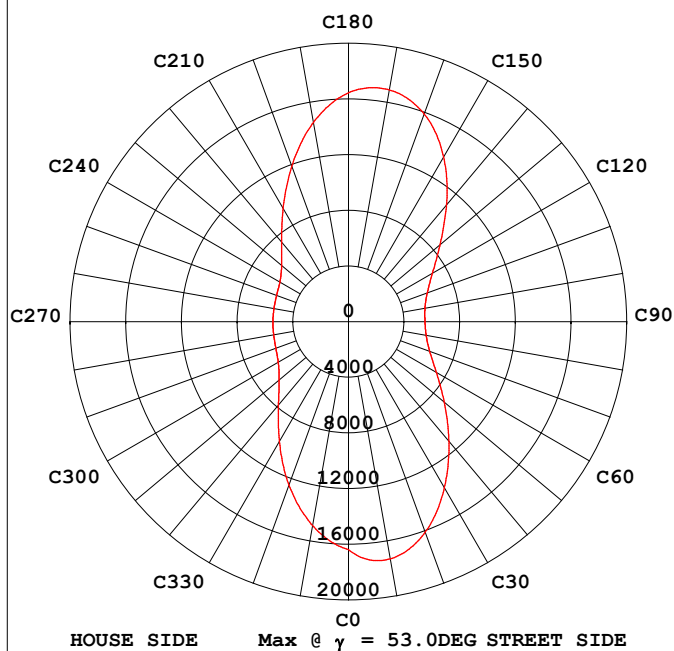


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz Lamp Flux:47082.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.94 lm/W			
MODEL		I _{max} (cd)	16459	η street_up (%)	0.2
NOMINAL POWER (W)	400	LOR (%)	100.0	η street_down (%)	55.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	47082	η house_up (%)	0.1
NOMINAL FLUX (lm)	47082.3	MAXIMUM @ (C, γ)	180,53.0	η house_down (%)	44.0
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	25.601

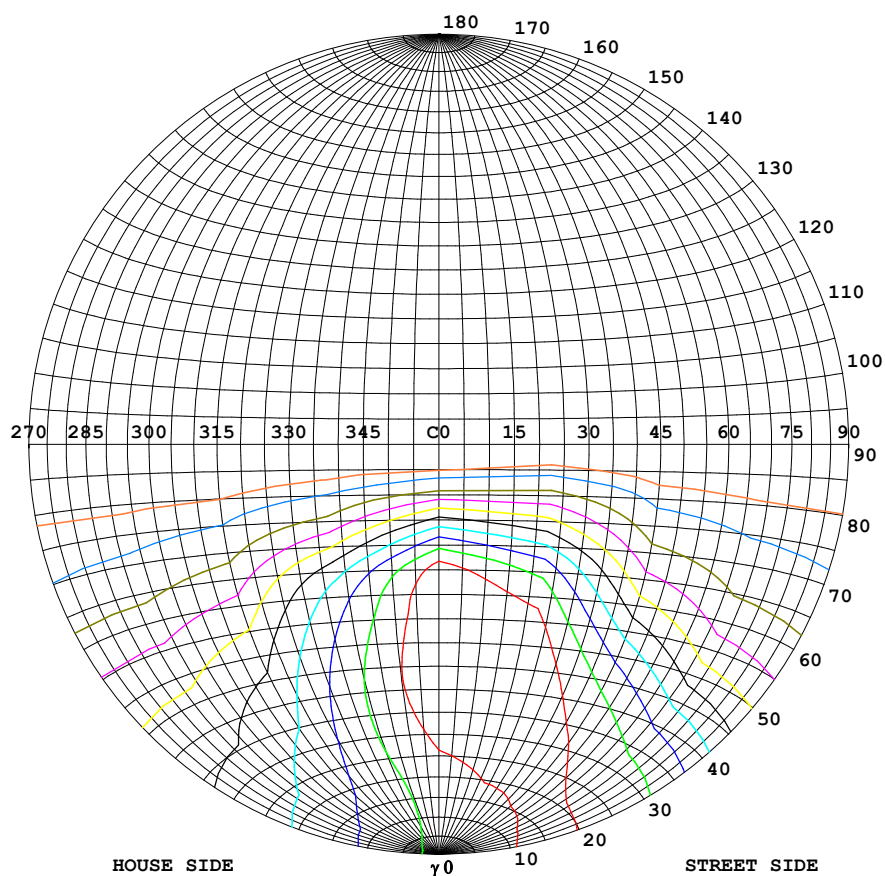
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
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:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz Lamp Flux:47082.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

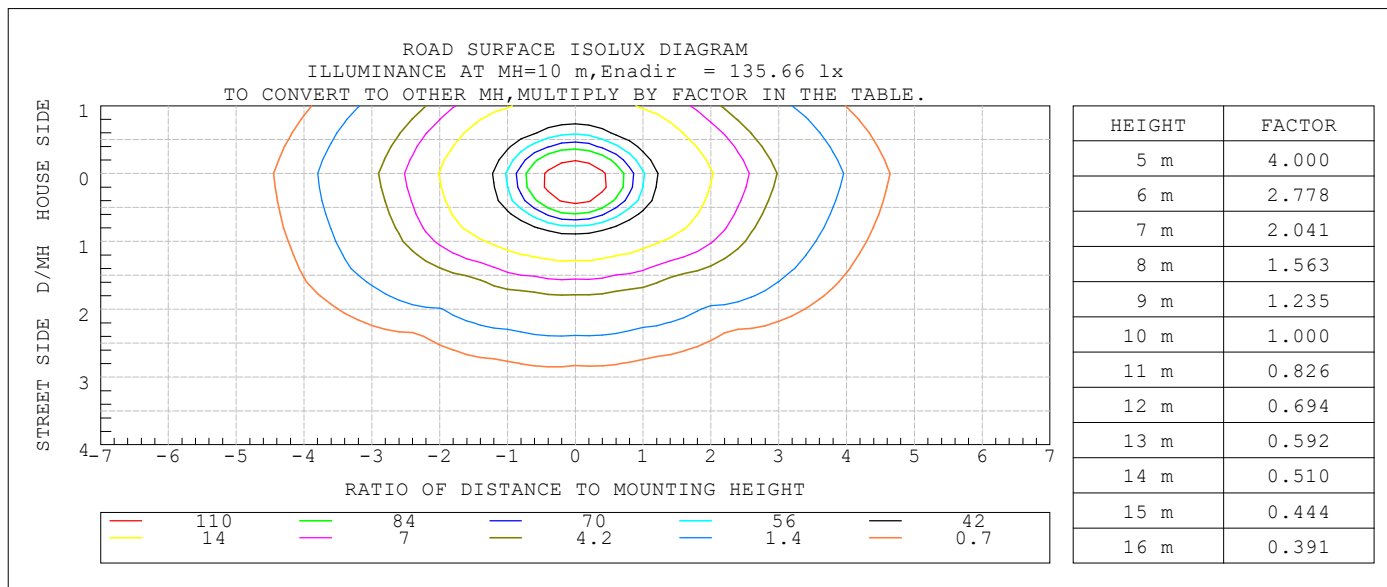
IES:Type II - Short
CIE:Narrow - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:105.9cd/klm
Max.At90:0.5258cd/klm
Max.80-90:105.9cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		16459
90%		14813
80%		13167
70%		11521
60%		9875
50%		8229
40%		6583
30%		4938
20%		3292
10%		1646
5%		823

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
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: 27.1°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:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz Lamp Flux:47082.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

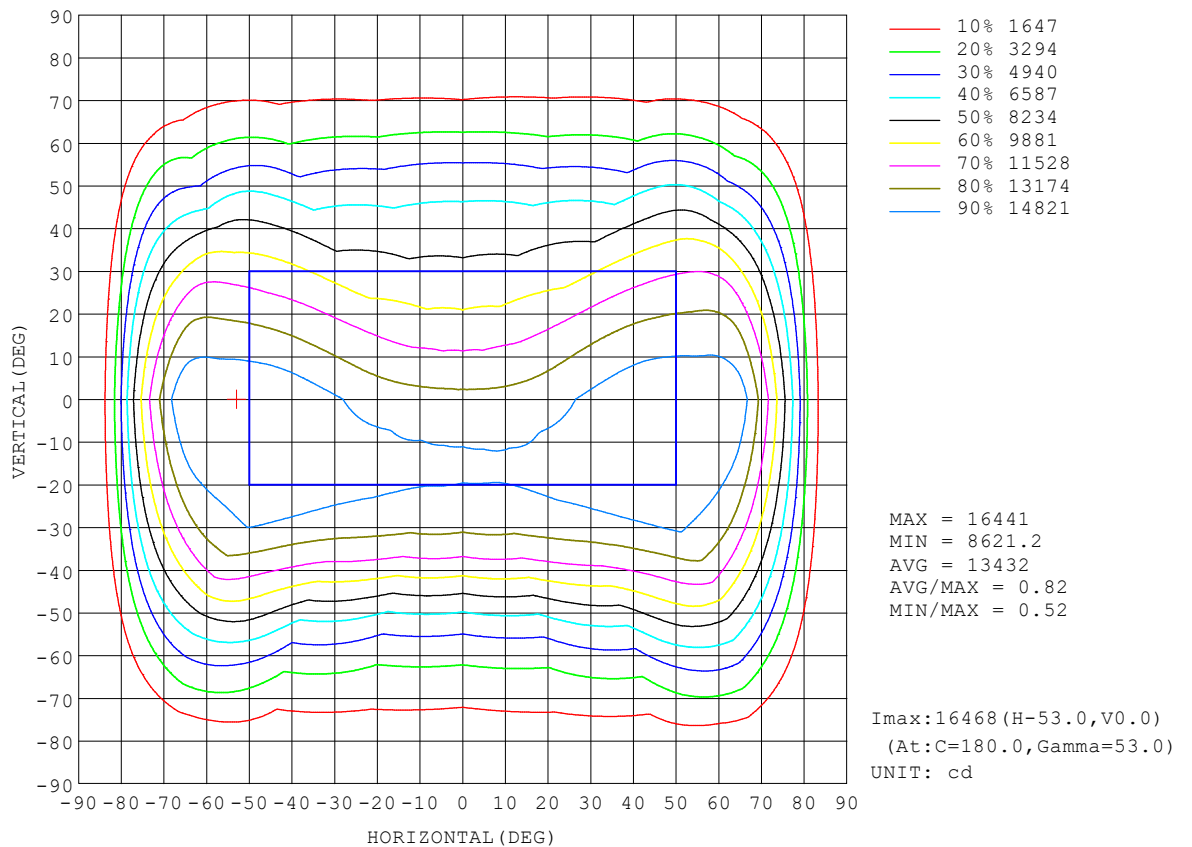
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1365	1449	1475	1458	1369	1236	1176	1239	0- 10	1290	1290	2.74,2.74
20	1417	1494	1479	1507	1410	1118	1002	1138	10- 20	3779	5068	10.8,10.8
30	1520	1489	1342	1489	1502	1009	861.6	1040	20- 30	6032	11100	23.6,23.6
40	1616	1376	1037	1361	1600	882.4	741.0	920.3	30- 40	7796	18896	40.1,40.1
50	1641	1113	651.3	1078	1643	733.9	598.9	765.9	40- 50	8637	27532	58.5,58.5
60	1628	731.2	372.1	687.3	1644	522.9	387.6	546.3	50- 60	8300	35832	76.1,76.1
70	1271	379.5	197.3	350.4	1381	270.5	166.7	281.9	60- 70	6768	42600	90.5,90.5
80	405.8	127.6	83.66	113.8	498.4	79.08	70.10	80.43	70- 80	3677	46277	98.3,98.3
90	2.476	0.8745	0.5915	0.7949	0.7867	0.2740	0.1892	0.3217	80- 90	671.1	46948	99.7,99.7
100	2.898	1.106	0.7813	1.124	0.4180	0.1789	0.1690	0.1614	90-100	7.922	46956	99.7,99.7
110	3.416	1.737	1.270	1.690	0.8092	0.3122	0.3314	0.3968	100-110	10.72	46967	99.8,99.8
120	3.643	2.141	1.742	2.174	2.112	1.114	0.8625	1.022	110-120	14.93	46982	99.8,99.8
130	3.894	2.918	2.151	2.703	2.978	2.028	1.592	2.199	120-130	19.77	47002	99.8,99.8
140	4.432	3.696	2.801	3.172	3.455	2.767	2.394	3.023	130-140	22.00	47024	99.9,99.9
150	4.726	4.357	3.467	3.514	3.447	3.110	3.191	3.231	140-150	21.13	47045	99.9,99.9
160	5.499	5.141	4.156	4.066	4.467	4.048	4.036	3.656	150-160	17.86	47063	100,100
170	6.628	6.093	5.045	4.941	6.721	6.073	5.124	5.157	160-170	14.16	47077	100,100
180	6.517	5.907	4.886	5.125	6.640	6.006	4.939	5.203	170-180	5.515	47082	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
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

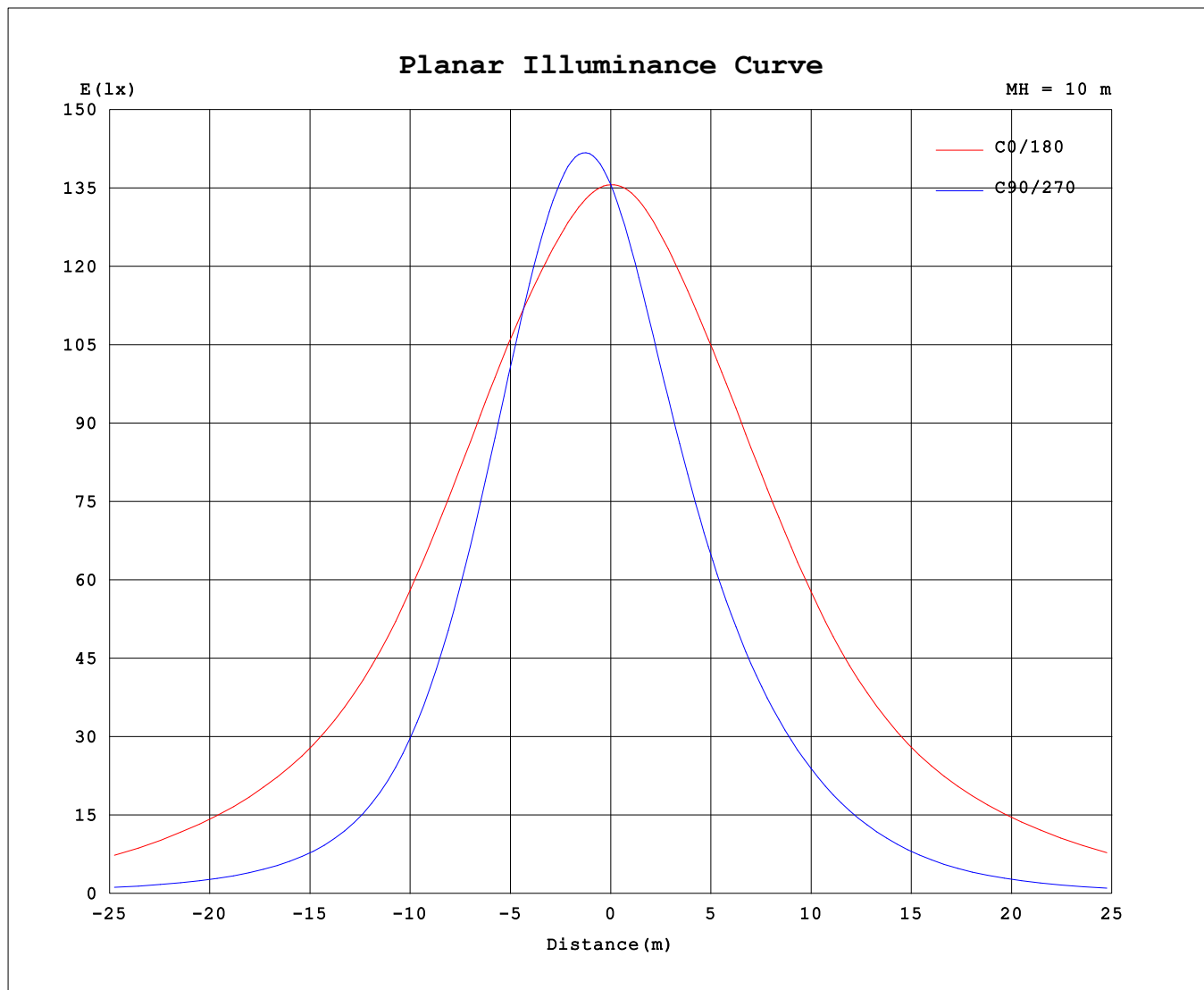
Test:U:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz Lamp Flux:47082.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1°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



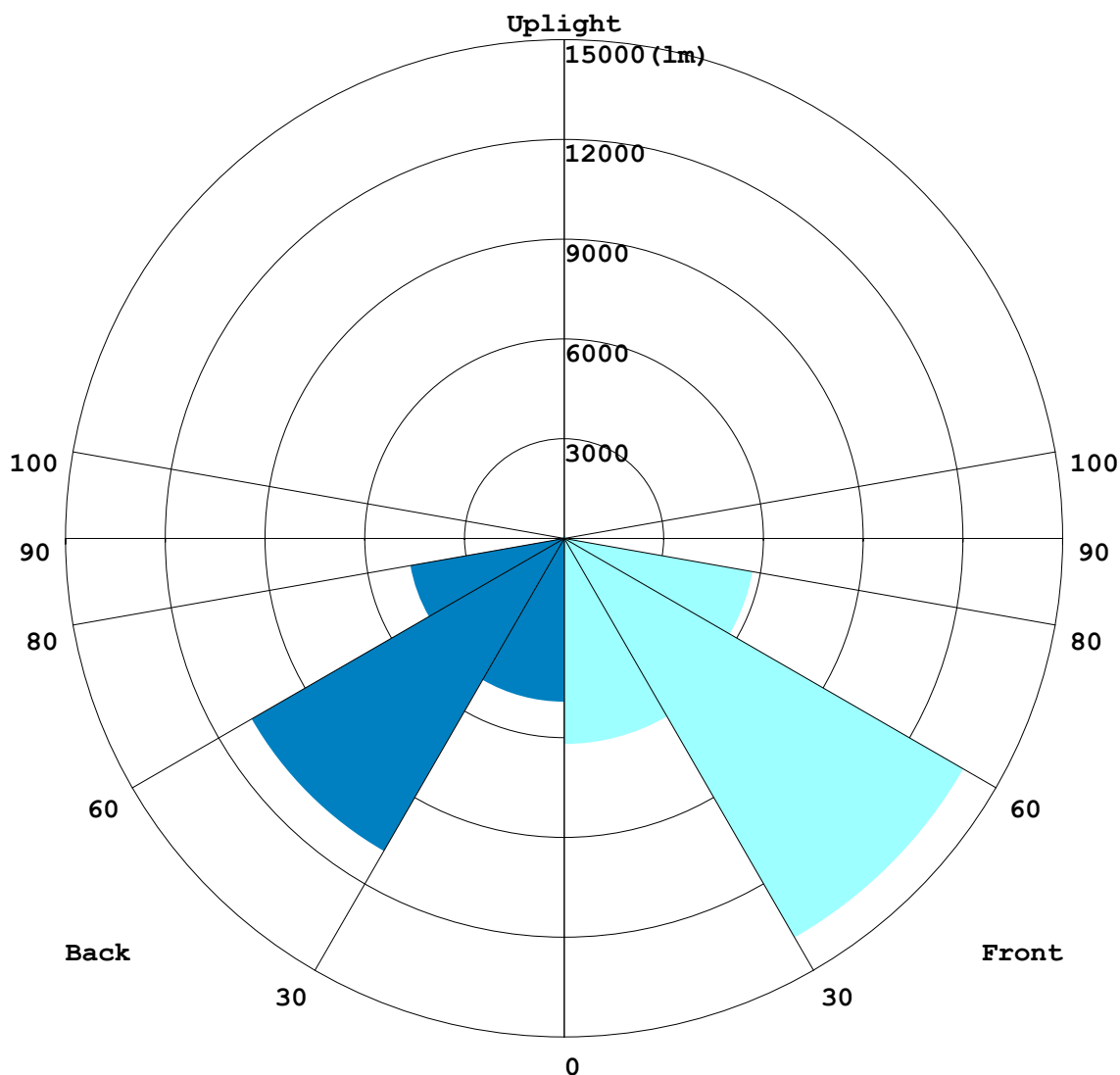
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1°C
 Operators:DAMIN
 Test Date:2024-03-19

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:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz Lamp Flux:47082.3x1 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: 27.1℃
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:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz Lamp Flux:47082.3x1 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)	6185	13.1
FM - Front-Medium(30-60)	13872	29.5
FH - Front-High(60-80)	5750.6	12.2
FVH - Front-Very High(80-90)	406	0.9
Total Forward Light	26296	55.9

BL - Back-Low(0-30)	4915.1	10.4
BM - Back-Medium(30-60)	10860	23.1
BH - Back-High(60-80)	4694.4	10.0
BVH - Back-Very High(80-90)	265.12	0.6
Total Back Light	20786	44.1

UL - Uplight-Low(90-100)	7.9217	0.0
UH - Uplight-High(100-180)	126.09	0.3
Total Up Light	134.01	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	20734	51.616	20786
Street Side	26214	82.395	26296

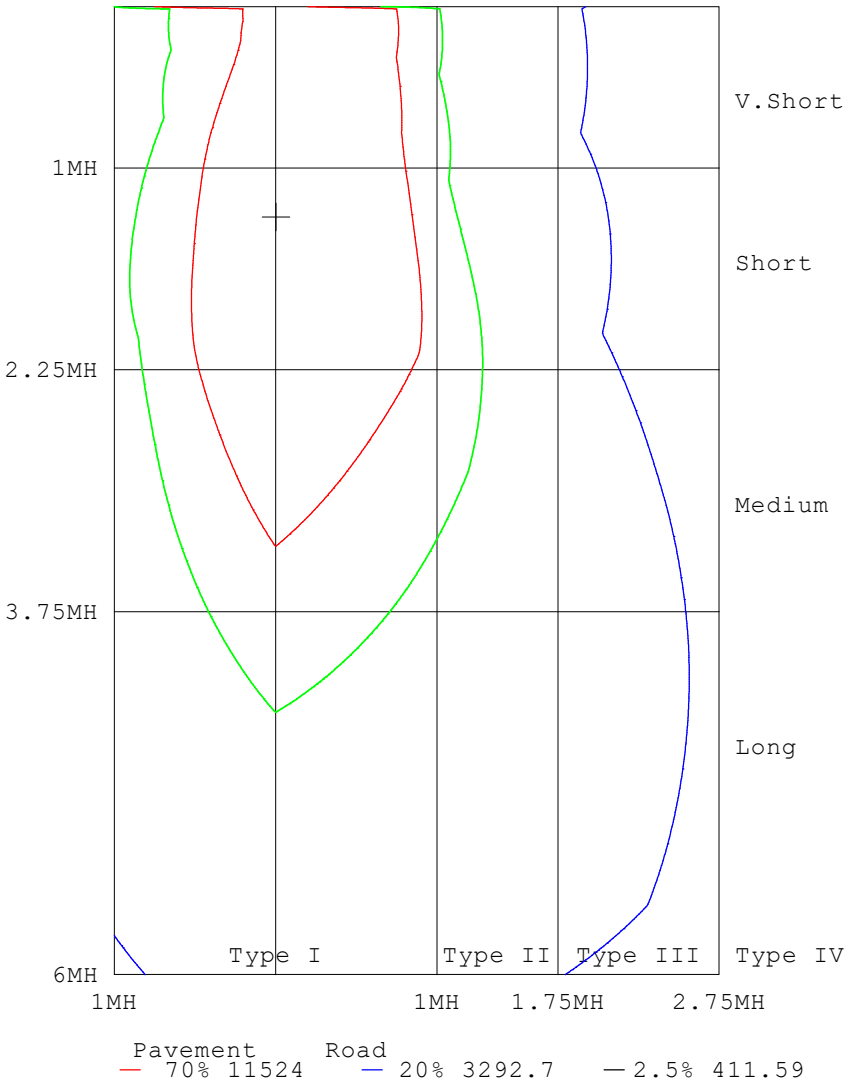
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

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:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz		
Lamp Flux:47082.3x1 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: 27.1℃
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:118.13V I:3.2725A P:386.12W PF:0.9988 Freq:0Hz Lamp Flux:47082.3x1 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	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356			
5	1357	1386	1407	1422	1427	1425	1412	1390	1360	1327	1297	1276	1269	1276	1297	1325			
10	1365	1416	1449	1469	1475	1473	1458	1424	1369	1301	1236	1191	1176	1193	1239	1302			
15	1384	1448	1477	1491	1492	1497	1490	1458	1384	1278	1175	1107	1085	1112	1186	1289			
20	1417	1487	1494	1487	1479	1493	1507	1494	1410	1265	1118	1028	1002	1036	1138	1287			
25	1466	1531	1502	1455	1430	1458	1508	1532	1450	1259	1065	956	928	966	1092	1294			
30	1520	1573	1489	1388	1342	1388	1489	1570	1502	1256	1009	889	862	898	1040	1300			
35	1572	1606	1450	1282	1210	1275	1443	1600	1552	1248	947	824	801	834	984	1301			
40	1616	1626	1376	1132	1037	1120	1361	1616	1600	1231	882	759	741	770	920	1290			
45	1641	1625	1264	949	841	931	1240	1614	1633	1202	813	690	676	700	849	1263			
50	1641	1594	1113	753	651	732	1078	1580	1643	1158	734	611	599	618	766	1221			
55	1632	1531	929	575	493	555	888	1513	1642	1096	639	515	501	520	665	1161			
60	1628	1431	731	432	372	416	687	1400	1644	1006	523	405	388	406	546	1078			
65	1561	1269	545	322	279	309	505	1234	1612	856	394	293	273	295	413	918			
70	1271	1006	379	233	197	224	350	962	1381	600	271	191	167	200	282	652			
75	870	699	240	157	131	148	218	656	1019	363	162	115	112	121	168	379			
80	406	393	128	90.9	83.7	86.4	114	364	498	167	79.1	65.5	70.1	67.4	80.4	172			
85	74.7	116	40.7	37.9	38.4	35.8	35.6	95.0	105	31.4	20.2	23.0	28.1	23.5	21.0	38.3			
90	2.48	1.78	0.87	0.60	0.59	0.57	0.79	1.64	0.79	0.46	0.27	0.22	0.19	0.23	0.32	0.55			
95	2.58	1.63	0.86	0.63	0.58	0.63	0.87	1.71	0.40	0.27	0.18	0.15	0.15	0.14	0.15	0.28			
100	2.90	1.95	1.11	0.82	0.78	0.83	1.12	1.99	0.42	0.28	0.18	0.15	0.17	0.17	0.16	0.26			
105	3.18	2.34	1.43	1.04	1.02	1.06	1.42	2.29	0.57	0.35	0.22	0.21	0.23	0.24	0.25	0.34			
110	3.42	2.68	1.74	1.31	1.27	1.31	1.69	2.52	0.81	0.48	0.31	0.31	0.33	0.37	0.40	0.49			
115	3.58	3.00	1.90	1.62	1.53	1.57	1.94	2.70	1.30	0.94	0.59	0.54	0.54	0.61	0.54	0.91			
120	3.64	3.21	2.14	1.94	1.74	1.82	2.17	2.82	2.11	1.69	1.11	0.90	0.86	1.05	1.02	1.64			
125	3.74	3.37	2.54	2.26	1.93	2.11	2.44	2.92	2.60	2.22	1.60	1.26	1.21	1.43	1.68	2.13			
130	3.89	3.51	2.92	2.57	2.15	2.38	2.70	3.06	2.98	2.69	2.03	1.62	1.59	1.83	2.20	2.48			
135	4.17	3.61	3.32	2.90	2.47	2.66	2.94	3.17	3.24	3.07	2.39	2.00	1.99	2.24	2.67	2.70			
140	4.43	3.80	3.70	3.24	2.80	2.96	3.17	3.40	3.45	3.32	2.77	2.42	2.39	2.66	3.02	2.90			
145	4.53	4.12	4.02	3.59	3.12	3.23	3.34	3.54	3.56	3.41	2.93	2.74	2.81	2.99	3.21	2.94			
150	4.73	4.58	4.36	3.96	3.47	3.50	3.51	3.68	3.45	3.29	3.11	3.08	3.19	3.21	3.23	2.84			
155	5.05	5.13	4.73	4.35	3.82	3.80	3.75	3.89	3.66	3.54	3.42	3.50	3.52	3.35	3.28	2.89			
160	5.50	5.62	5.14	4.76	4.16	4.09	4.07	4.16	4.47	4.20	4.05	4.07	4.04	3.65	3.66	3.46			
165	6.07	6.17	5.69	5.23	4.63	4.46	4.51	4.63	5.89	5.68	5.36	5.21	4.85	4.47	4.59	4.68			
170	6.63	6.63	6.09	5.67	5.05	4.84	4.94	5.17	6.72	6.65	6.07	5.61	5.12	4.88	5.16	5.28			
175	6.71	6.85	6.27	5.83	5.29	5.12	5.28	5.54	6.74	6.87	6.20	5.74	5.22	5.09	5.38	5.51			
180	6.52	6.62	5.91	5.39	4.89	4.77	5.13	5.51	6.64	6.74	6.01	5.46	4.94	4.84	5.20	5.63			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
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: