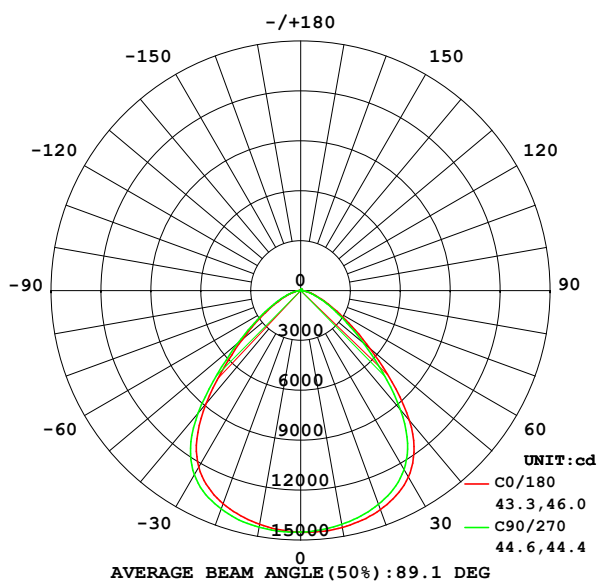
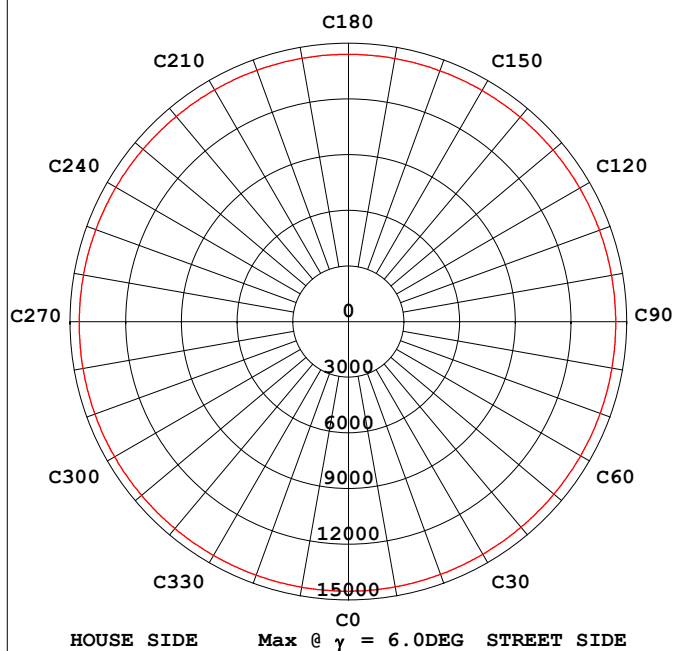


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.61 lm/W			
MODEL		I _{max} (cd)	14557	η street_up (%)	0.3
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	49.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	29645	η house_up (%)	0.1
NOMINAL FLUX (lm)	29645.1	MAXIMUM @ (C, γ)	315,6.0	η house_down (%)	49.7
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.6	SLI	21.952

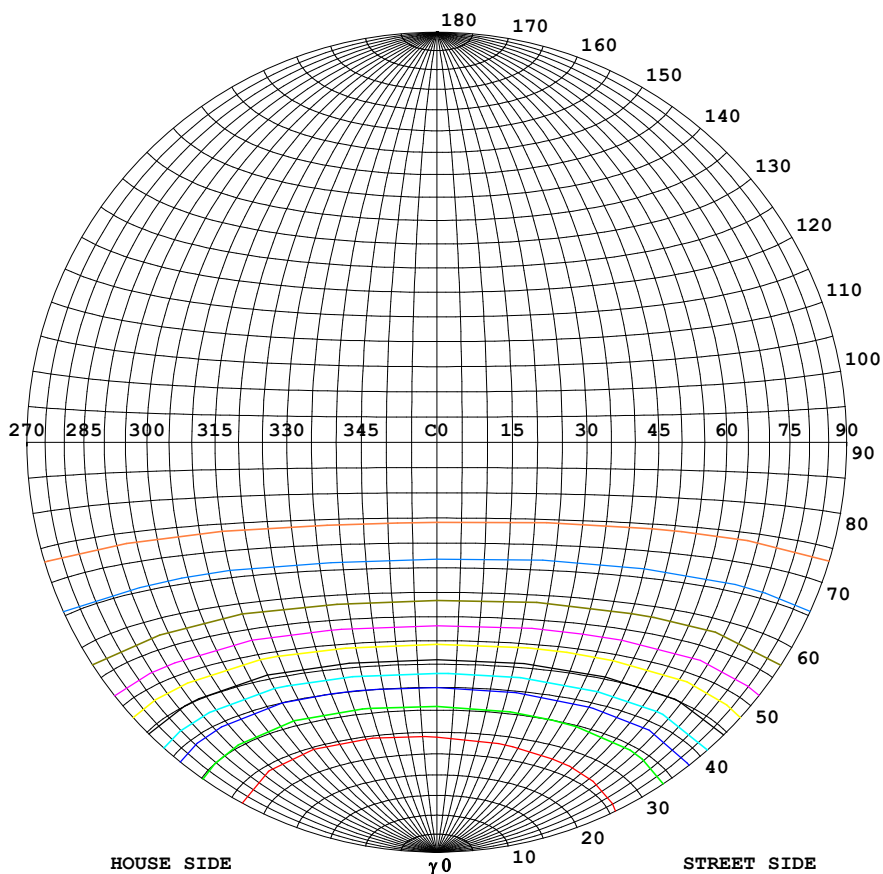
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.8℃
 Operators:DAMIN
 Test Date:2023-12-14

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:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



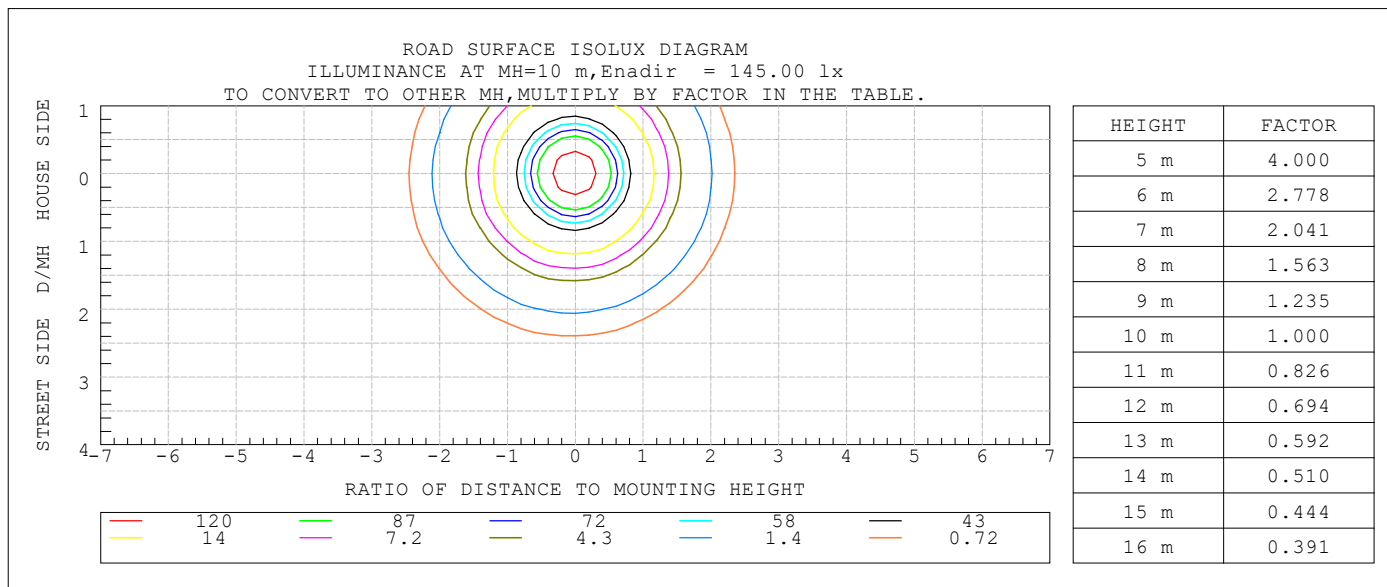
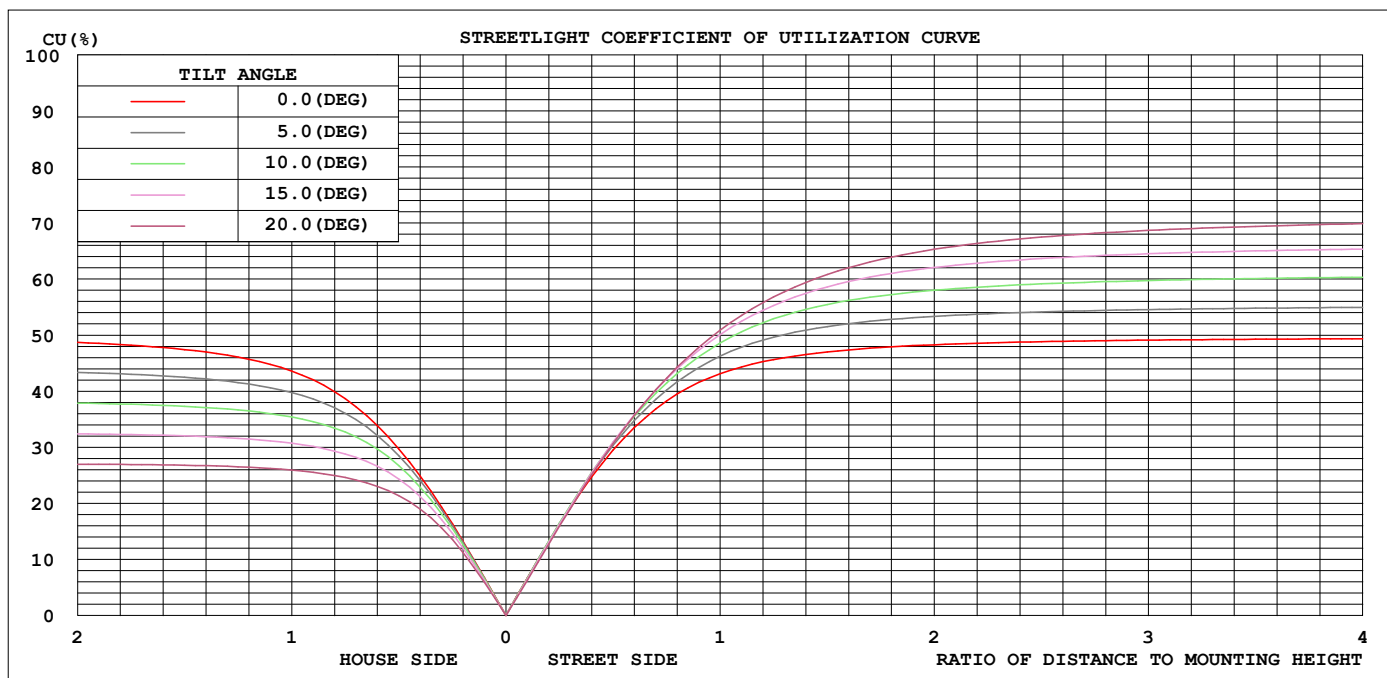
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.69cd/klm
Max.At90:0.1346cd/klm
Max.80-90:12.69cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		14557
90%		13102
80%		11646
70%		10190
60%		8734
50%		7279
40%		5823
30%		4367
20%		2911
10%		1456
5%		728

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.8℃
Operators:DAMIN
Test Date:2023-12-14

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: 23.8 °C
Operators: DAMIN
Test Date: 2023-12-14

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:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

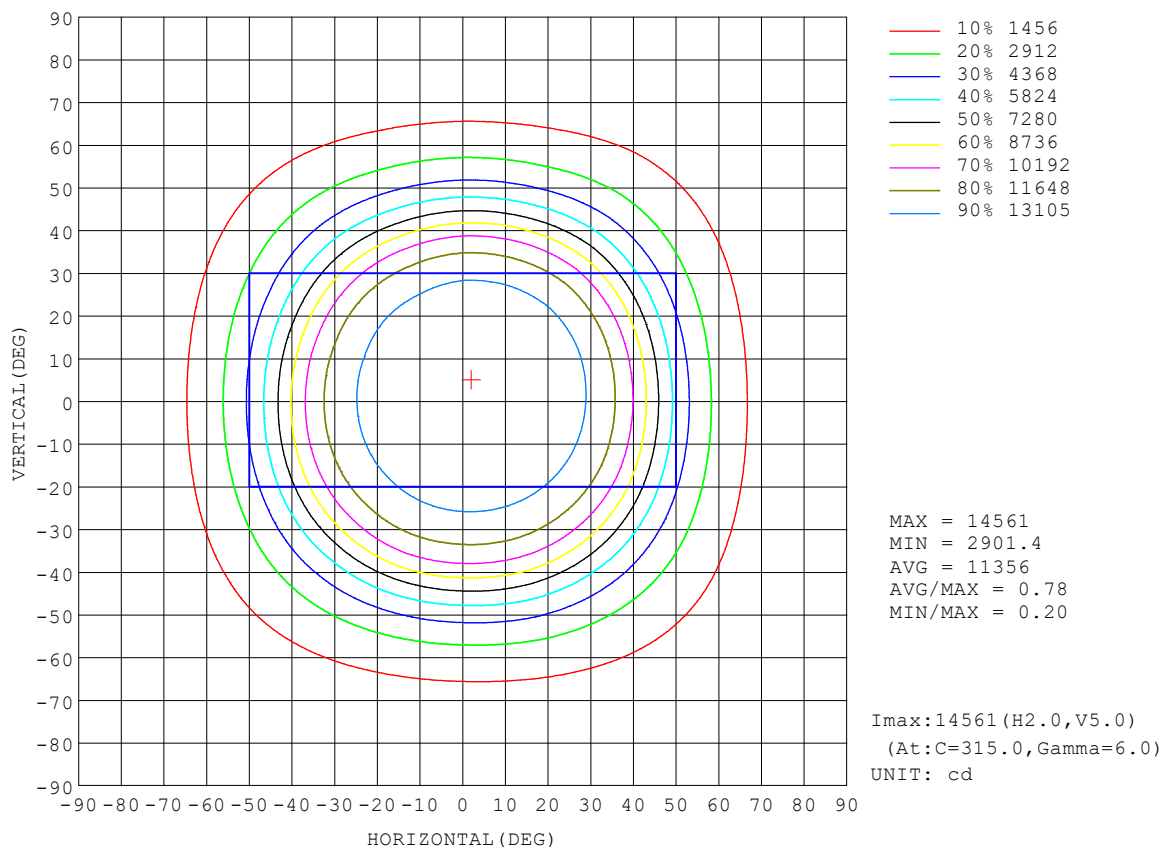
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1445	1437	1426	1425	1426	1435	1444	1452	0- 10	1378	1378	4.65,4.65
20	1400	1384	1366	1362	1364	1378	1396	1413	10- 20	3999	5377	18.1,18.1
30	1295	1269	1243	1227	1226	1244	1279	1303	20- 30	6141	11518	38.9,38.9
40	1017	979.9	933.4	895.7	884.6	900.4	958.4	1017	30- 40	7038	18556	62.6,62.6
50	548.7	534.9	497.9	467.2	459.3	472.7	498.6	540.5	40- 50	5487	24043	81.1,81.1
60	253.8	250.2	229.2	219.9	213.6	219.4	230.4	247.6	50- 60	3141	27184	91.7,91.7
70	108.0	107.5	97.48	90.36	89.24	92.10	96.88	104.1	60- 70	1556	28740	96.9,96.9
80	36.28	36.89	33.23	29.70	28.11	28.25	30.15	33.10	70- 80	650.1	29390	99.1,99.1
90	0.3456	0.3887	0.3450	0.3003	0.1088	0.1051	0.1130	0.1637	80- 90	135.1	29526	99.6,99.6
100	0.4162	0.4260	0.4451	0.4811	0.0973	0.0964	0.0918	0.0889	90-100	2.321	29528	99.6,99.6
110	0.8991	0.9162	0.9754	1.056	0.1779	0.1733	0.1619	0.1538	100-110	4.215	29532	99.6,99.6
120	1.703	1.733	1.829	1.935	0.4776	0.4632	0.4311	0.4077	110-120	8.119	29540	99.6,99.6
130	2.683	2.723	2.821	2.927	1.238	1.194	1.128	1.078	120-130	13.64	29554	99.7,99.7
140	3.796	3.822	3.912	4.021	2.349	2.273	2.195	2.137	130-140	19.30	29573	99.8,99.8
150	5.050	5.062	5.136	5.240	3.671	3.592	3.521	3.471	140-150	23.06	29596	99.8,99.8
160	6.210	6.211	6.267	6.350	5.430	5.341	5.255	5.208	150-160	23.18	29619	99.9,99.9
170	7.455	7.444	7.470	7.534	7.300	7.212	7.152	7.134	160-170	18.32	29638	100,100
180	7.673	7.641	7.627	7.653	7.809	7.780	7.763	7.786	170-180	7.331	29645	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.8℃
Operators:DAMIN
Test Date:2023-12-14

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

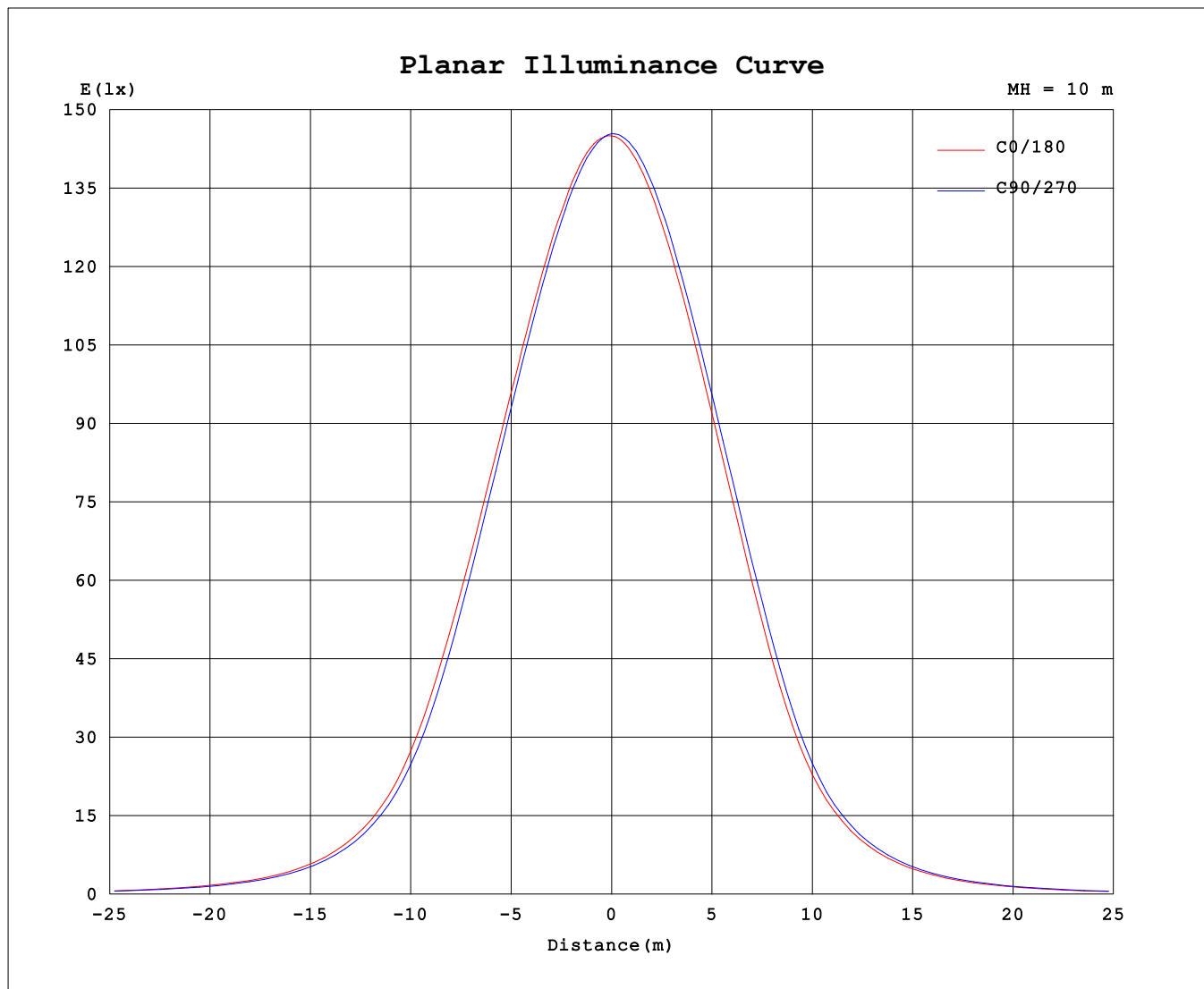
Test:U:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.8℃
Operators:DAMIN
Test Date:2023-12-14

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

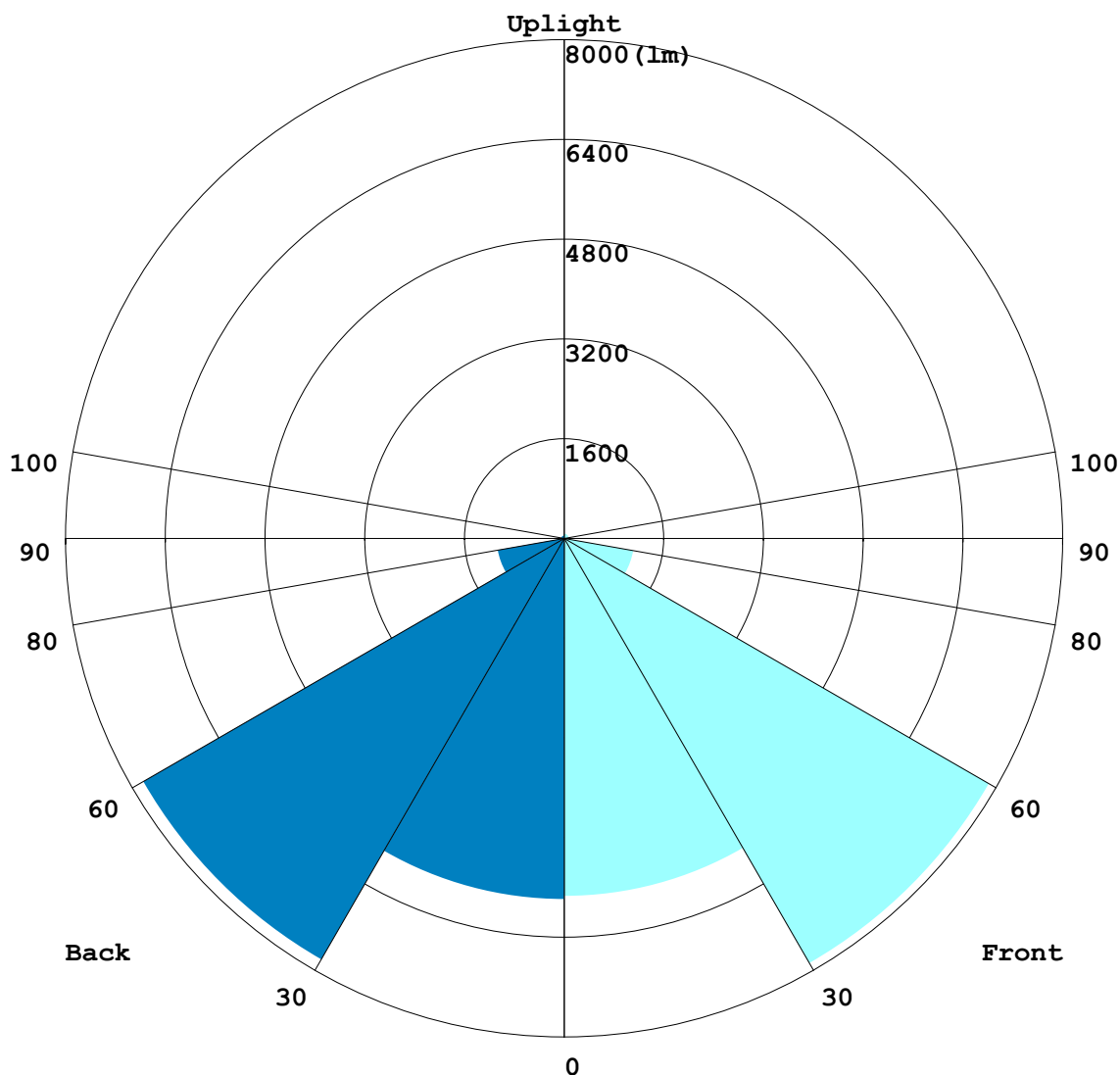


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.8 °C
Operators: DAMIN
Test Date: 2023-12-14

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:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 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: 23.8℃
 Operators:DAMIN
 Test Date:2023-12-14

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:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 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)	5733.5	19.3
FM - Front-Medium(30-60)	7870	26.5
FH - Front-High(60-80)	1126.7	3.8
FVH - Front-Very High(80-90)	75.188	0.3
Total Forward Light	14881	50.2

BL - Back-Low(0-30)	5784.5	19.5
BM - Back-Medium(30-60)	7796.4	26.3
BH - Back-High(60-80)	1079.4	3.6
BVH - Back-Very High(80-90)	59.957	0.2
Total Back Light	14764	49.8

UL - Uplight-Low(90-100)	2.3208	0.0
UH - Uplight-High(100-180)	117.16	0.4
Total Up Light	119.48	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14720	43.633	14764
Street Side	14805	75.85	14881

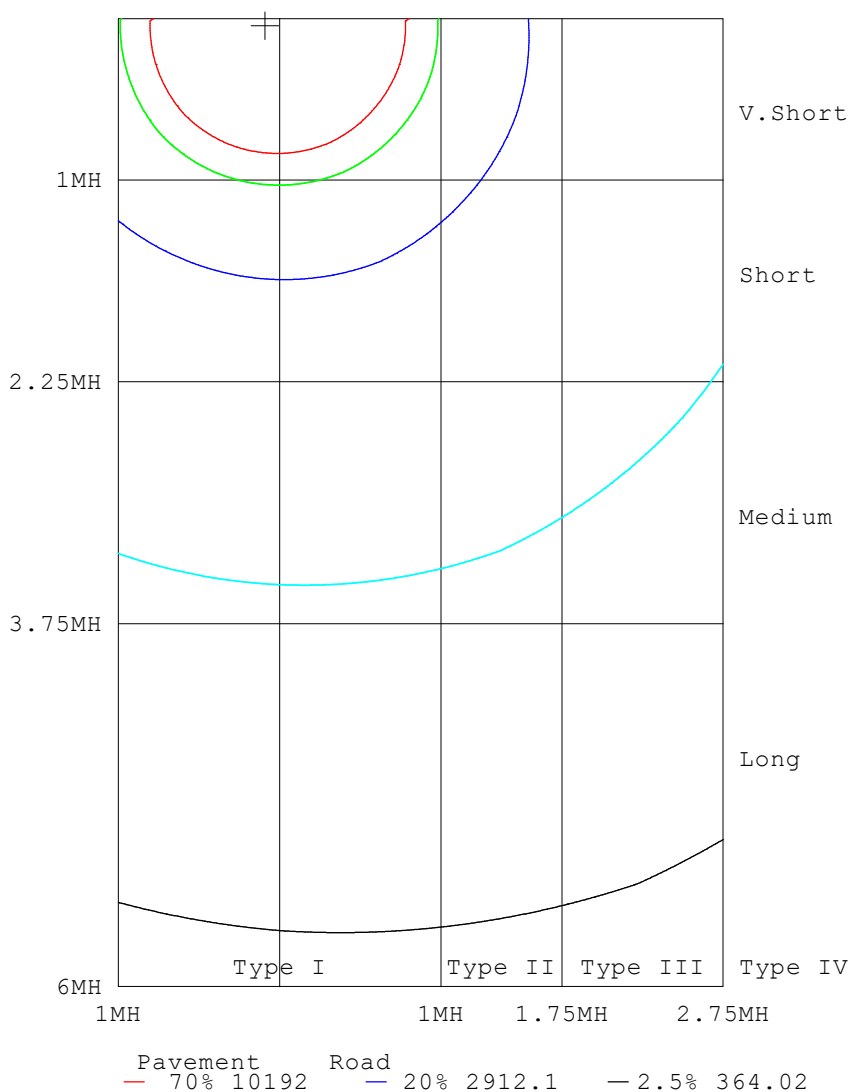
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.8℃
Operators:DAMIN
Test Date:2023-12-14

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:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 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: 23.8℃
 Operators:DAMIN
 Test Date:2023-12-14

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:118.59V I:1.6080A P:190.51W PF:0.9990 Freq:60.01Hz Lamp Flux:29645.1x1 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	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452			
5	1453	1450	1447	1447	1442	1442	1442	1442	1444	1445	1447	1450	1452	1455	1456	1455			
10	1445	1440	1437	1432	1426	1426	1425	1425	1426	1429	1435	1440	1444	1449	1452	1450			
15	1429	1423	1415	1408	1402	1400	1400	1399	1401	1405	1412	1419	1428	1435	1439	1434			
20	1400	1394	1384	1377	1366	1365	1362	1359	1364	1369	1378	1386	1396	1406	1413	1407			
25	1358	1351	1338	1329	1318	1313	1308	1306	1309	1313	1326	1338	1353	1361	1369	1364			
30	1295	1284	1269	1260	1243	1236	1227	1224	1226	1229	1244	1258	1279	1293	1303	1301			
35	1187	1178	1157	1143	1120	1110	1095	1091	1089	1090	1109	1127	1155	1175	1194	1193			
40	1017	1006	980	963	933	920	896	890	885	880	900	920	958	987	1017	1019			
45	776	770	747	731	701	683	658	655	649	645	663	677	708	733	769	774			
50	549	550	535	527	498	485	467	461	459	457	473	477	499	512	540	546			
55	377	382	370	363	343	332	322	317	318	317	326	329	342	349	370	374			
60	254	258	250	243	229	222	220	212	214	215	219	221	230	232	248	248			
65	169	172	167	162	153	148	144	141	141	142	145	146	153	154	163	165			
70	108	110	108	103	97.5	94.1	90.4	89.2	89.2	89.7	92.1	92.7	96.9	98.9	104	105			
75	66.4	68.2	66.7	64.0	60.1	58.4	55.2	54.4	54.1	54.0	55.6	56.0	58.7	60.3	63.1	64.5			
80	36.3	37.6	36.9	35.4	33.2	32.1	29.7	28.9	28.1	27.4	28.2	28.3	30.2	31.3	33.1	34.5			
85	13.8	14.9	14.4	14.0	12.7	12.1	10.5	9.81	8.67	7.71	8.07	8.08	9.40	10.1	11.5	12.4			
90	0.35	0.40	0.39	0.40	0.35	0.33	0.30	0.29	0.11	0.11	0.11	0.11	0.11	0.13	0.16	0.19			
95	0.29	0.30	0.30	0.31	0.31	0.32	0.33	0.34	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
100	0.42	0.42	0.43	0.43	0.45	0.46	0.48	0.49	0.10	0.09	0.10	0.09	0.09	0.09	0.09	0.08			
105	0.62	0.62	0.63	0.64	0.66	0.68	0.72	0.73	0.13	0.12	0.13	0.12	0.12	0.11	0.11	0.11			
110	0.90	0.89	0.92	0.93	0.98	1.01	1.06	1.08	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15			
115	1.26	1.27	1.29	1.33	1.37	1.42	1.47	1.50	0.27	0.27	0.27	0.26	0.25	0.24	0.23	0.23			
120	1.70	1.71	1.73	1.78	1.83	1.89	1.93	1.96	0.48	0.48	0.46	0.46	0.43	0.42	0.41	0.41			
125	2.18	2.18	2.21	2.26	2.31	2.37	2.42	2.44	0.80	0.80	0.77	0.76	0.71	0.70	0.68	0.68			
130	2.68	2.69	2.72	2.77	2.82	2.87	2.93	2.95	1.24	1.23	1.19	1.17	1.13	1.10	1.08	1.07			
135	3.22	3.22	3.25	3.29	3.35	3.39	3.45	3.47	1.78	1.77	1.71	1.69	1.64	1.61	1.58	1.57			
140	3.80	3.79	3.82	3.85	3.91	3.95	4.02	4.04	2.35	2.33	2.27	2.25	2.19	2.17	2.14	2.13			
145	4.42	4.41	4.44	4.47	4.52	4.56	4.63	4.65	2.99	2.98	2.91	2.89	2.84	2.81	2.78	2.79			
150	5.05	5.05	5.06	5.10	5.14	5.18	5.24	5.26	3.67	3.66	3.59	3.57	3.52	3.50	3.47	3.47			
155	5.64	5.64	5.64	5.68	5.71	5.75	5.80	5.83	4.50	4.49	4.42	4.41	4.34	4.32	4.30	4.31			
160	6.21	6.21	6.21	6.24	6.27	6.30	6.35	6.37	5.43	5.41	5.34	5.32	5.26	5.23	5.21	5.21			
165	6.78	6.77	6.78	6.80	6.82	6.84	6.90	6.90	6.43	6.42	6.34	6.32	6.25	6.23	6.21	6.22			
170	7.45	7.44	7.44	7.45	7.47	7.48	7.53	7.54	7.30	7.28	7.21	7.20	7.15	7.13	7.13	7.14			
175	7.91	7.90	7.88	7.90	7.89	7.91	7.94	7.96	7.92	7.90	7.86	7.86	7.83	7.82	7.83	7.84			
180	7.67	7.65	7.64	7.64	7.63	7.63	7.65	7.65	7.81	7.80	7.78	7.77	7.76	7.76	7.79	7.79			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.8℃
Operators:DAMIN
Test Date:2023-12-14

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: