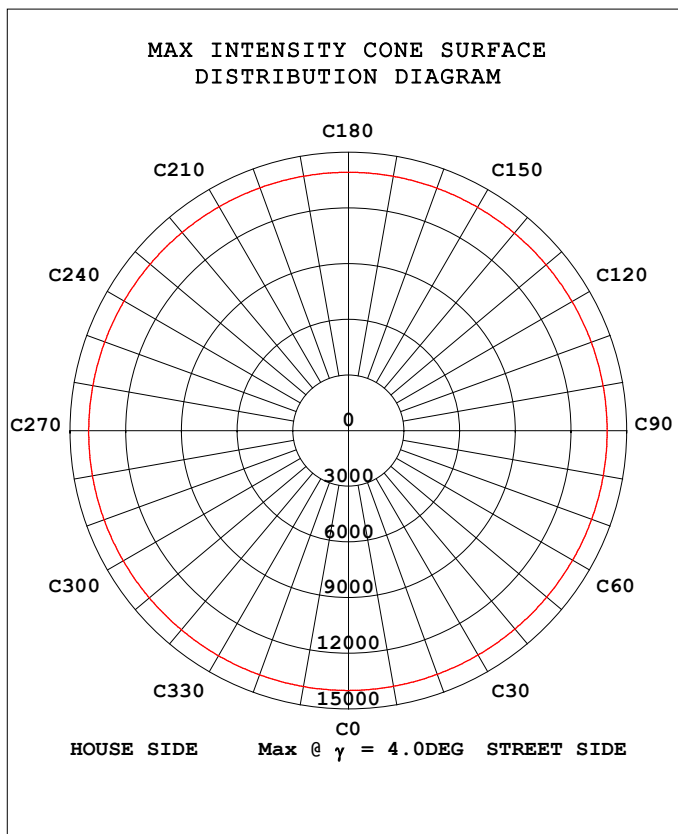
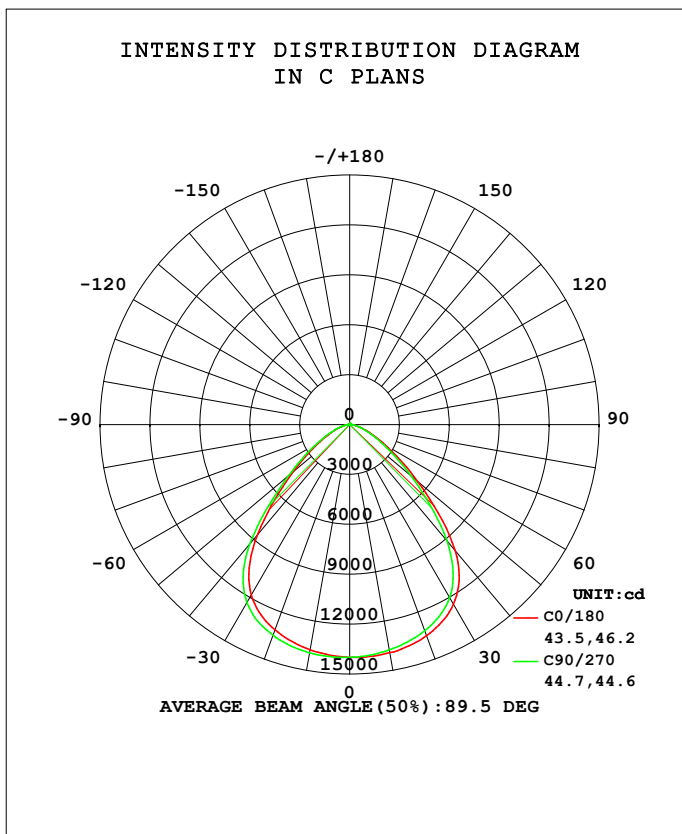


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.33 lm/W			
MODEL		I _{max} (cd)	14021	η street_up (%)	0.3
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	49.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28731	η house_up (%)	0.1
NOMINAL FLUX (lm)	28730.6	MAXIMUM @ (C, γ)	293,4.0	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	21.921

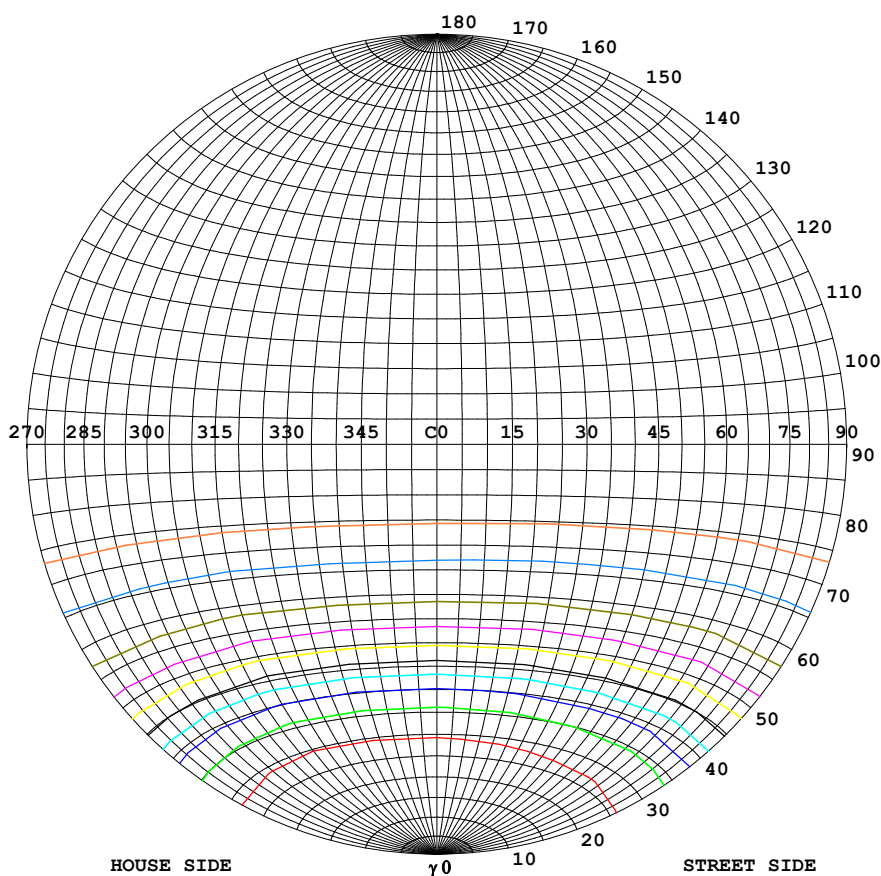


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3℃
Operators:DAMIN
Test Date:2023-12-14

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:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



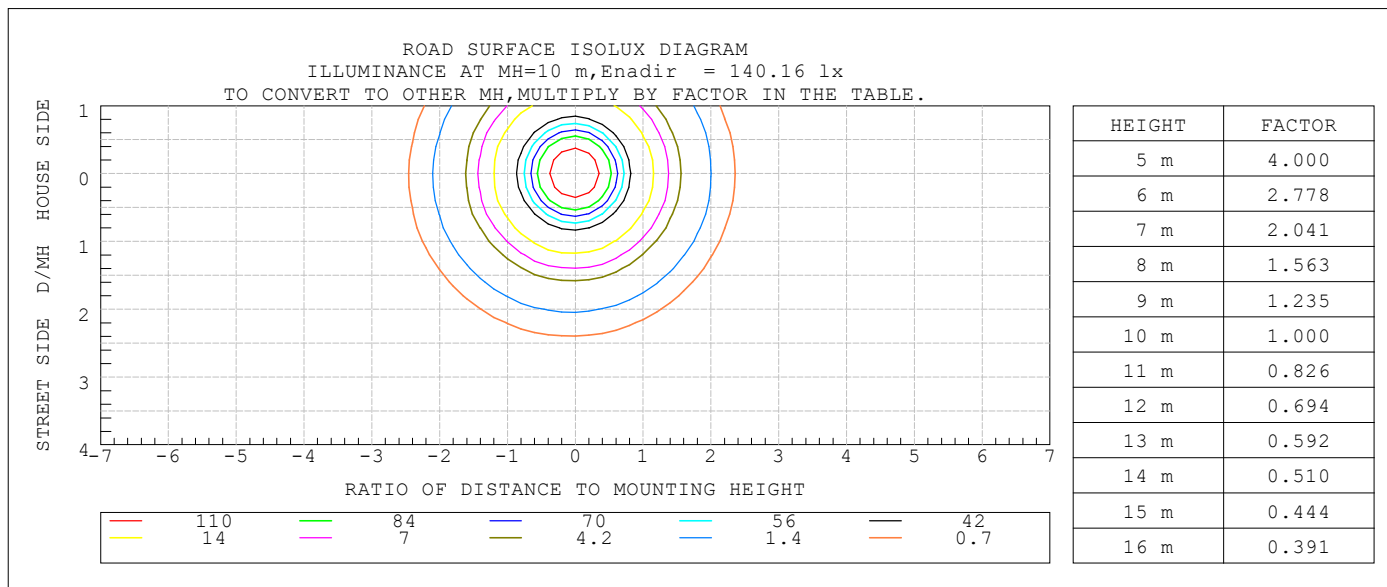
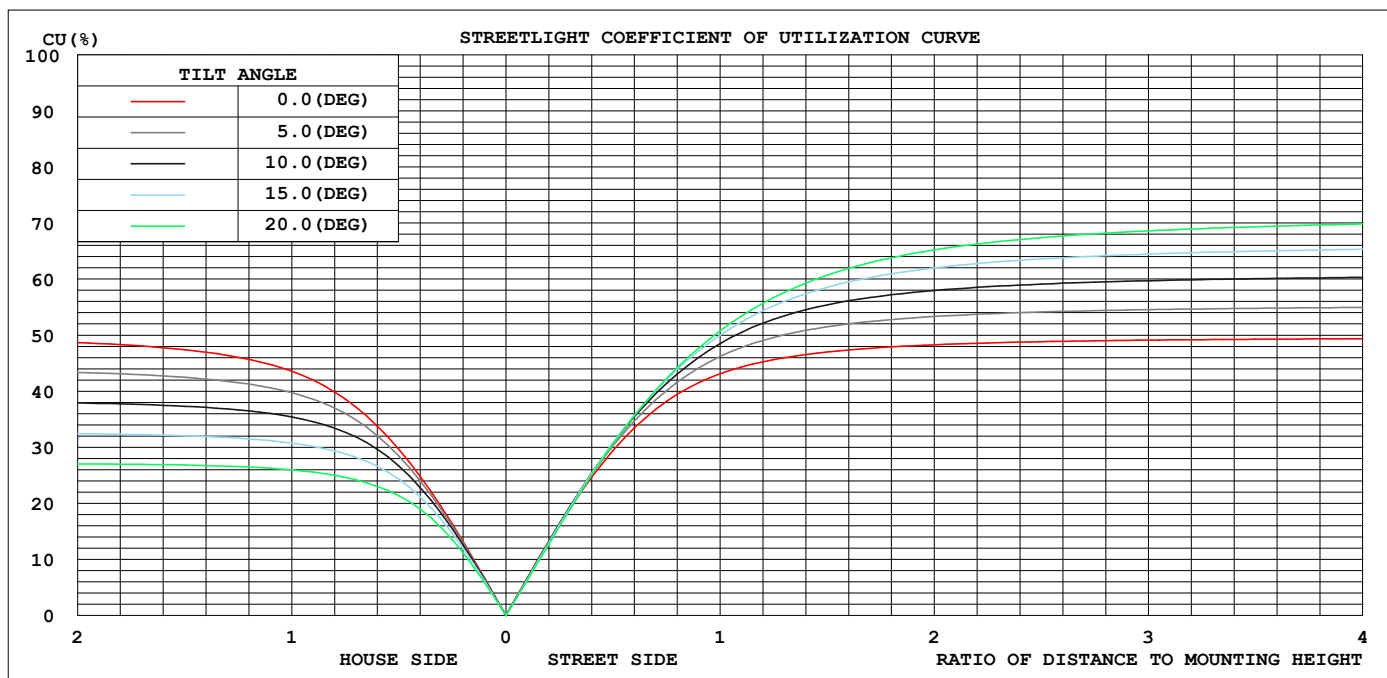
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.79cd/klm
Max.At90:0.1343cd/klm
Max.80-90:12.79cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	14021
90%	12619
80%	11217
70%	9815
60%	8413
50%	7011
40%	5609
30%	4206
20%	2804
10%	1402
5%	701

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3℃
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: 24.3℃
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:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

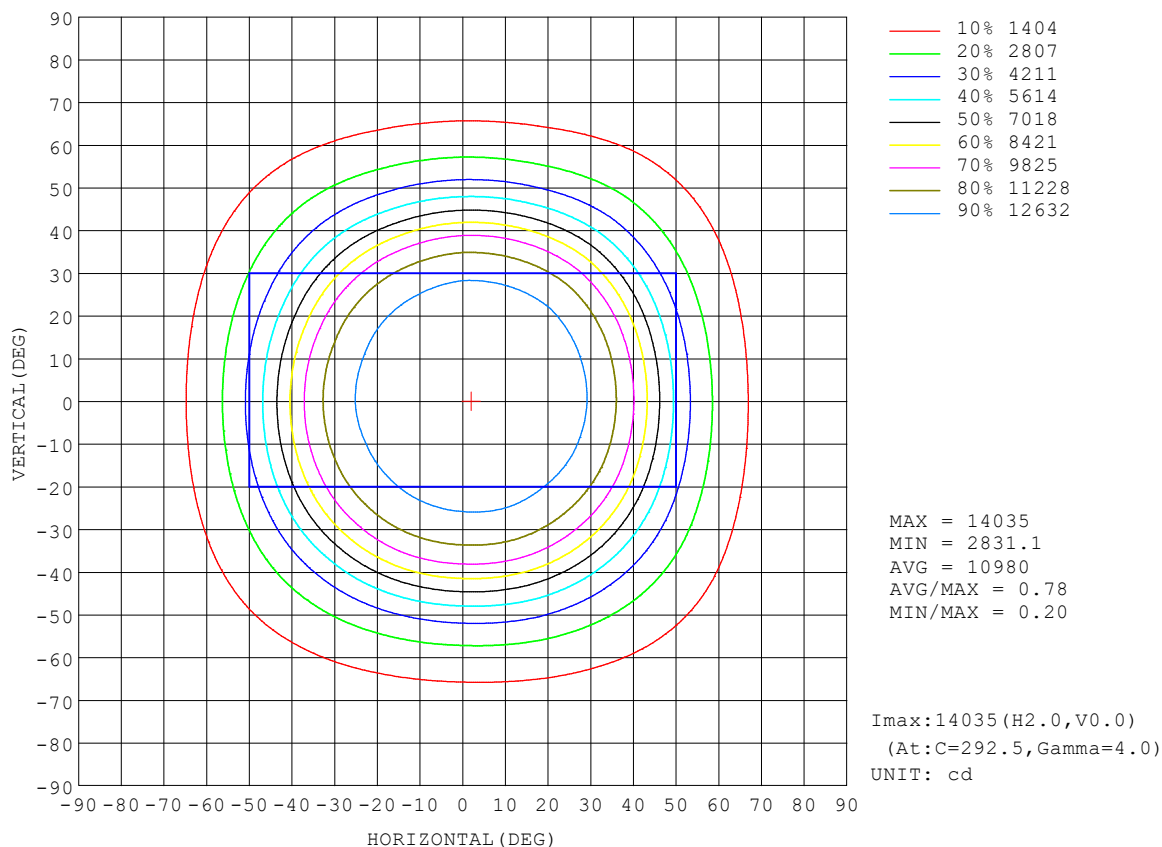
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1392	1382	1374	1372	1374	1382	1393	1396	0- 10	1328	1328	4.62,4.62
20	1350	1333	1319	1313	1314	1328	1348	1360	10- 20	3853	5181	18,18
30	1248	1224	1202	1185	1184	1201	1236	1258	20- 30	5923	11103	38.6,38.6
40	986.0	950.8	907.4	873.3	860.9	874.7	931.1	985.9	30- 40	6811	17914	62.4,62.4
50	537.2	520.8	485.6	454.6	448.4	458.7	486.0	530.7	40- 50	5347	23262	81,81
60	248.6	243.7	224.1	212.9	207.9	214.3	224.3	241.8	50- 60	3065	26327	91.6,91.6
70	105.8	104.9	95.48	87.93	87.34	89.81	94.81	101.3	60- 70	1520	27847	96.9,96.9
80	35.45	36.06	32.55	28.88	27.62	27.64	29.58	32.29	70- 80	635.6	28483	99.1,99.1
90	0.3389	0.3782	0.3378	0.2926	0.1063	0.1021	0.1101	0.1606	80- 90	132.2	28615	99.6,99.6
100	0.4054	0.4151	0.4337	0.4685	0.0953	0.0933	0.0897	0.0861	90-100	2.264	28617	99.6,99.6
110	0.8761	0.8928	0.9488	1.032	0.1736	0.1693	0.1583	0.1505	100-110	4.111	28621	99.6,99.6
120	1.653	1.683	1.774	1.875	0.4652	0.4502	0.4196	0.3977	110-120	7.899	28629	99.6,99.6
130	2.595	2.632	2.731	2.830	1.203	1.158	1.098	1.050	120-130	13.23	28643	99.7,99.7
140	3.665	3.690	3.782	3.883	2.274	2.200	2.129	2.072	130-140	18.68	28661	99.8,99.8
150	4.873	4.883	4.961	5.059	3.542	3.464	3.405	3.354	140-150	22.28	28683	99.8,99.8
160	5.996	5.993	6.053	6.127	5.240	5.151	5.078	5.029	150-160	22.37	28706	99.9,99.9
170	7.187	7.170	7.208	7.265	7.054	6.968	6.918	6.890	160-170	17.69	28724	100,100
180	7.386	7.356	7.346	7.362	7.520	7.492	7.486	7.495	170-180	7.071	28731	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3℃
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

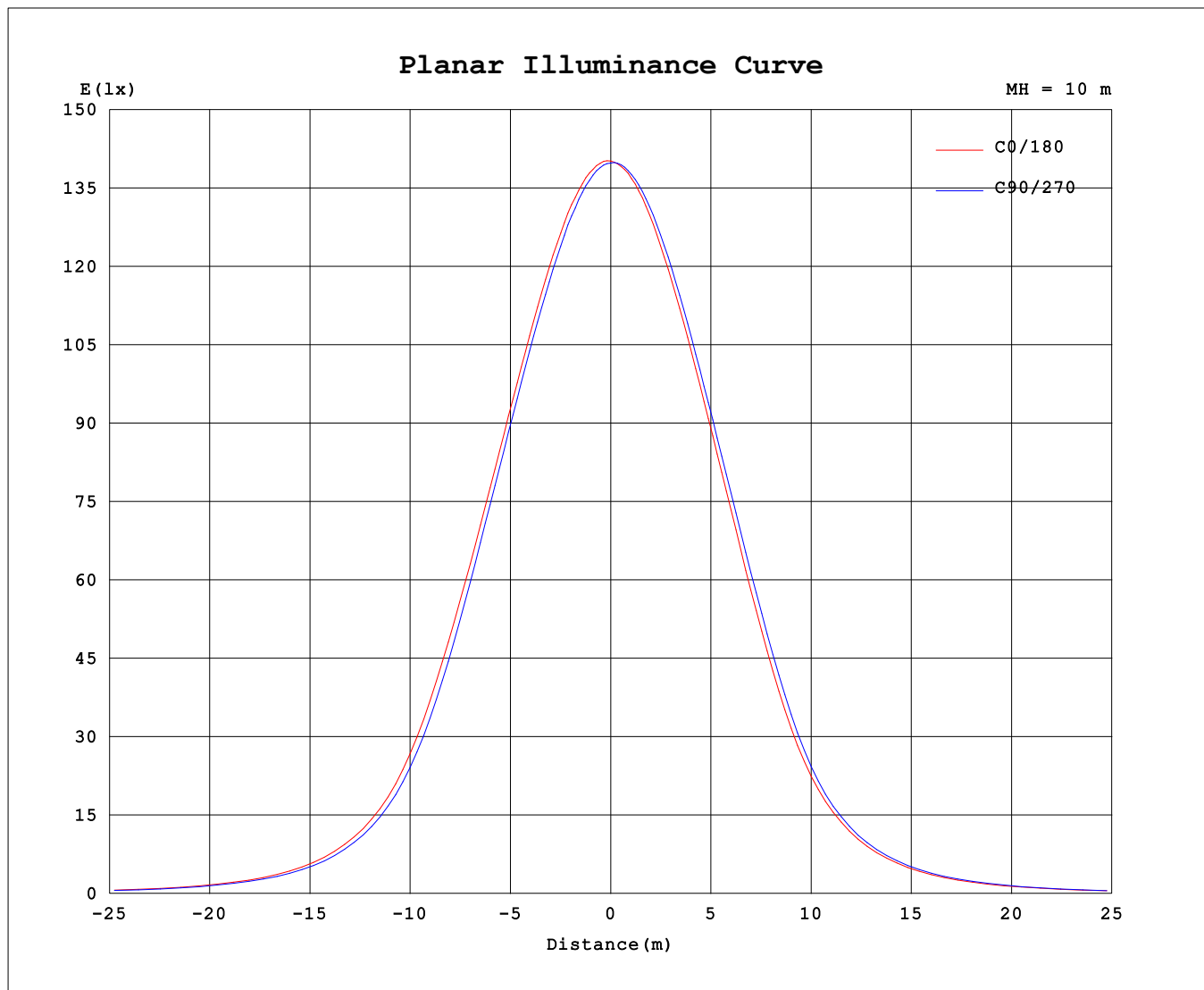
Test:U:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3℃
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

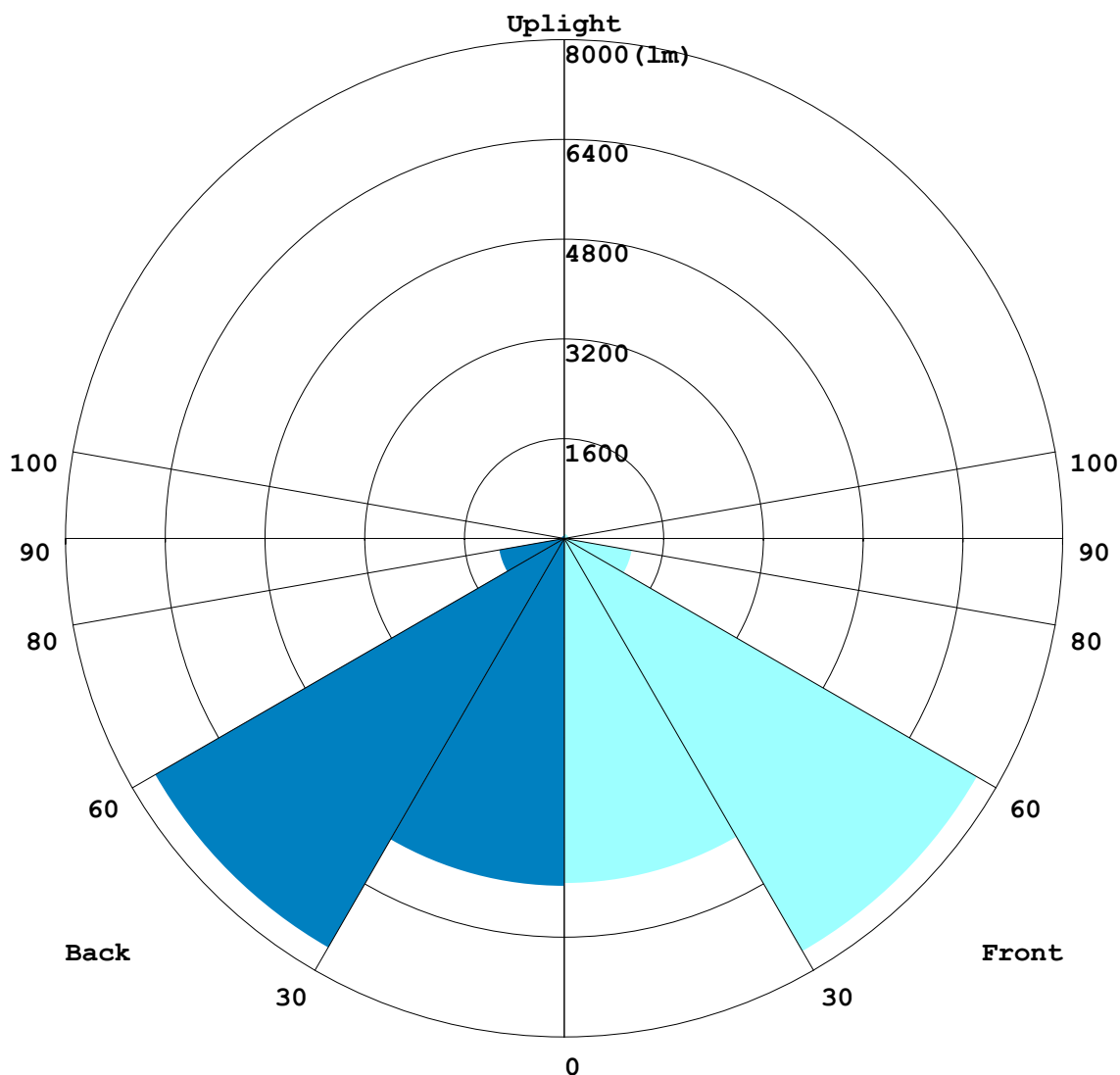


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3°C
Operators:DAMIN
Test Date:2023-12-14

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:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 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: 24.3℃
 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:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 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)	5527.9	19.2
FM - Front-Medium(30-60)	7647.3	26.6
FH - Front-High(60-80)	1101.2	3.8
FVH - Front-Very High(80-90)	73.587	0.3
Total Forward Light	14423	50.2

BL - Back-Low(0-30)	5575.4	19.4
BM - Back-Medium(30-60)	7576.3	26.4
BH - Back-High(60-80)	1054.7	3.7
BVH - Back-Very High(80-90)	58.65	0.2
Total Back Light	14307	49.8

UL - Uplight-Low(90-100)	2.264	0.0
UH - Uplight-High(100-180)	113.34	0.4
Total Up Light	115.6	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14265	42.22	14307
Street Side	14350	73.385	14423

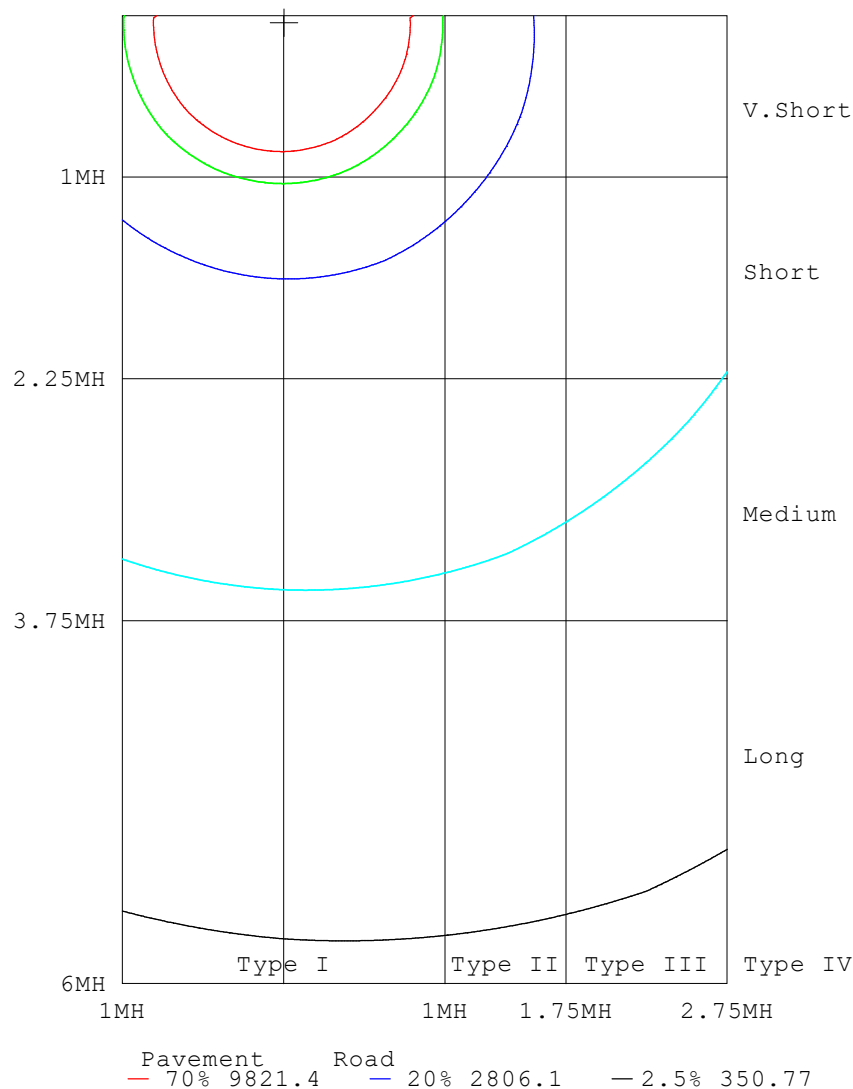
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3℃
Operators:DAMIN
Test Date:2023-12-14

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:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 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: 24.3℃
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:118.56V I:1.6922A P:200.46W PF:0.9992 Freq:60.01Hz Lamp Flux:28730.6x1 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	1399	1399	1399	1399	1399	1399	1399	1399	1399	1399	1399	1399	1399	1399	1399	1399			
5	1399	1396	1394	1393	1391	1390	1389	1388	1391	1391	1394	1397	1399	1401	1401	1401			
10	1392	1387	1382	1380	1374	1374	1372	1372	1374	1376	1382	1387	1393	1397	1396	1396			
15	1377	1370	1363	1358	1352	1349	1347	1347	1348	1352	1360	1368	1376	1383	1386	1382			
20	1350	1343	1333	1327	1319	1316	1313	1311	1314	1316	1328	1337	1348	1356	1360	1356			
25	1310	1302	1288	1283	1273	1268	1262	1260	1263	1265	1278	1291	1305	1314	1320	1316			
30	1248	1238	1224	1216	1202	1194	1185	1183	1184	1185	1201	1214	1236	1247	1258	1254			
35	1147	1138	1118	1107	1086	1076	1062	1056	1053	1056	1073	1091	1118	1136	1155	1153			
40	986	974	951	935	907	894	873	866	861	857	875	894	931	960	986	991			
45	755	749	727	712	684	667	643	640	634	629	646	658	689	716	749	757			
50	537	537	521	513	486	473	455	452	448	446	459	465	486	499	531	537			
55	370	373	360	353	334	323	314	310	310	309	318	321	334	340	362	367			
60	249	252	244	237	224	217	213	208	208	210	214	217	224	227	242	244			
65	165	168	163	158	150	145	140	138	138	138	142	143	149	150	160	163			
70	106	108	105	101	95.5	92.3	87.9	87.5	87.3	87.6	89.8	90.3	94.8	96.1	101	104			
75	65.2	66.7	65.2	62.7	59.0	57.2	53.8	53.3	53.2	52.7	54.3	54.6	57.5	58.6	61.4	63.5			
80	35.4	36.7	36.1	34.7	32.5	31.4	28.9	28.3	27.6	26.8	27.6	27.7	29.6	30.4	32.3	33.9			
85	13.5	14.6	14.1	13.7	12.4	11.9	10.3	9.65	8.46	7.55	7.92	7.93	9.19	9.82	11.2	12.1			
90	0.34	0.39	0.38	0.39	0.34	0.32	0.29	0.28	0.11	0.11	0.10	0.11	0.11	0.13	0.16	0.18			
95	0.29	0.30	0.29	0.30	0.30	0.31	0.32	0.33	0.09	0.09	0.08	0.08	0.09	0.08	0.08	0.09			
100	0.41	0.41	0.42	0.42	0.43	0.45	0.47	0.48	0.10	0.09	0.09	0.08	0.09	0.09	0.09	0.09			
105	0.60	0.60	0.61	0.62	0.65	0.67	0.70	0.72	0.13	0.12	0.12	0.11	0.12	0.11	0.11	0.10			
110	0.88	0.87	0.89	0.91	0.95	0.99	1.03	1.06	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14			
115	1.23	1.23	1.25	1.29	1.33	1.39	1.43	1.46	0.27	0.26	0.26	0.25	0.24	0.23	0.23	0.22			
120	1.65	1.66	1.68	1.73	1.77	1.83	1.87	1.91	0.47	0.47	0.45	0.44	0.42	0.41	0.40	0.40			
125	2.11	2.11	2.14	2.19	2.24	2.29	2.34	2.37	0.78	0.78	0.74	0.74	0.69	0.69	0.66	0.66			
130	2.60	2.60	2.63	2.68	2.73	2.78	2.83	2.86	1.20	1.19	1.16	1.14	1.10	1.07	1.05	1.04			
135	3.11	3.11	3.14	3.18	3.24	3.28	3.34	3.36	1.72	1.71	1.66	1.64	1.59	1.57	1.53	1.53			
140	3.66	3.66	3.69	3.73	3.78	3.82	3.88	3.91	2.27	2.25	2.20	2.18	2.13	2.10	2.07	2.07			
145	4.27	4.26	4.29	4.32	4.37	4.41	4.47	4.49	2.89	2.88	2.81	2.80	2.75	2.72	2.69	2.70			
150	4.87	4.87	4.88	4.92	4.96	5.00	5.06	5.08	3.54	3.52	3.46	3.45	3.40	3.38	3.35	3.36			
155	5.44	5.44	5.44	5.48	5.52	5.56	5.60	5.63	4.34	4.33	4.26	4.25	4.20	4.17	4.15	4.16			
160	6.00	5.99	5.99	6.03	6.05	6.09	6.13	6.15	5.24	5.22	5.15	5.13	5.08	5.05	5.03	5.04			
165	6.55	6.54	6.55	6.57	6.59	6.61	6.66	6.66	6.21	6.19	6.12	6.10	6.04	6.02	6.00	6.01			
170	7.19	7.17	7.17	7.19	7.21	7.22	7.27	7.27	7.05	7.03	6.97	6.96	6.92	6.90	6.89	6.90			
175	7.62	7.61	7.59	7.61	7.61	7.63	7.64	7.67	7.65	7.62	7.58	7.58	7.56	7.55	7.56	7.57			
180	7.39	7.37	7.36	7.35	7.35	7.35	7.36	7.36	7.52	7.50	7.49	7.48	7.49	7.48	7.50	7.50			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3℃
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: