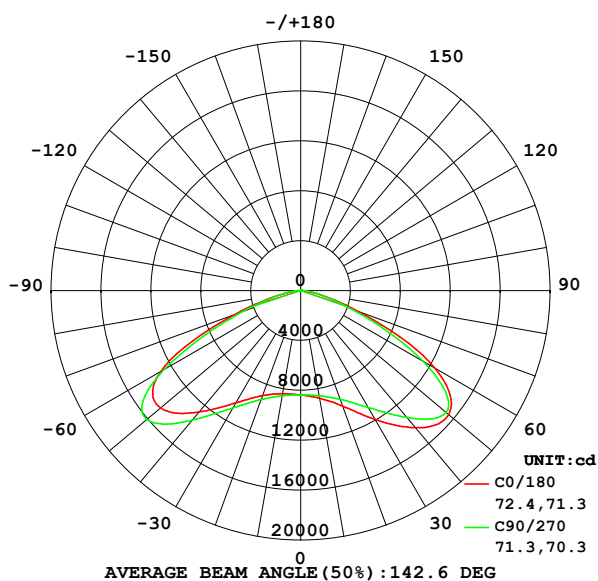
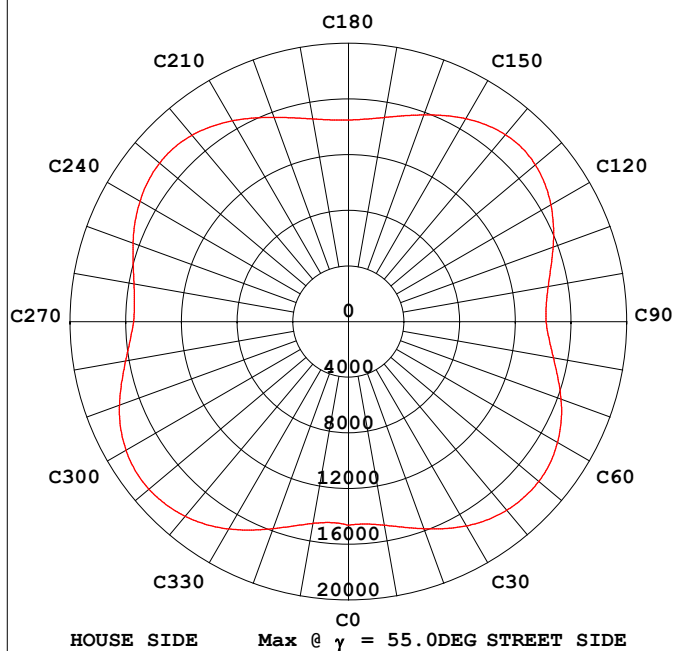


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.52 lm/W			
MODEL		I _{max} (cd)	18565	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	49.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	58348	η house_up (%)	0.1
NOMINAL FLUX (lm)	58348.1	MAXIMUM @ (C, γ)	315,55.0	η house_down (%)	50.4
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	23.664

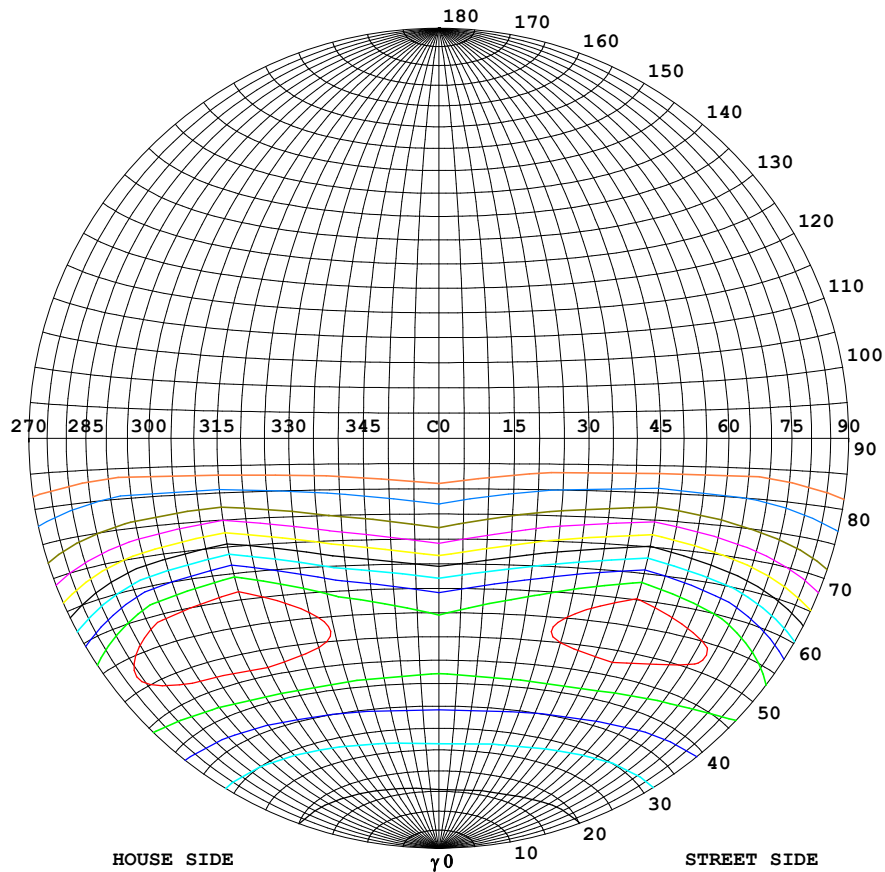
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



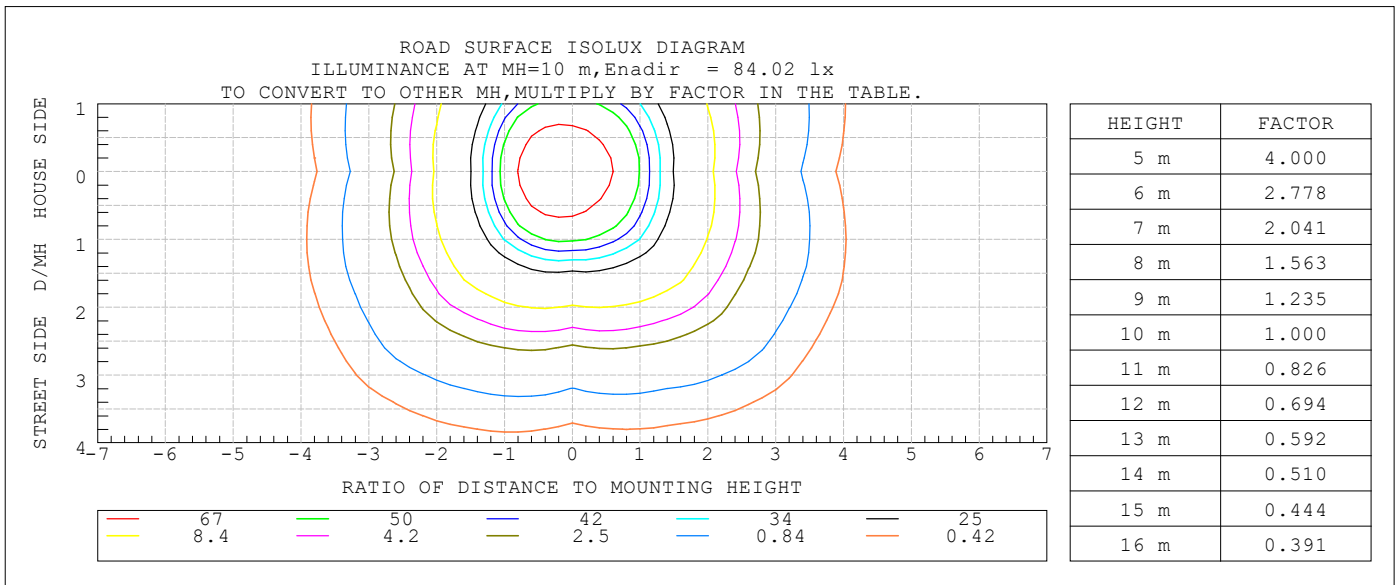
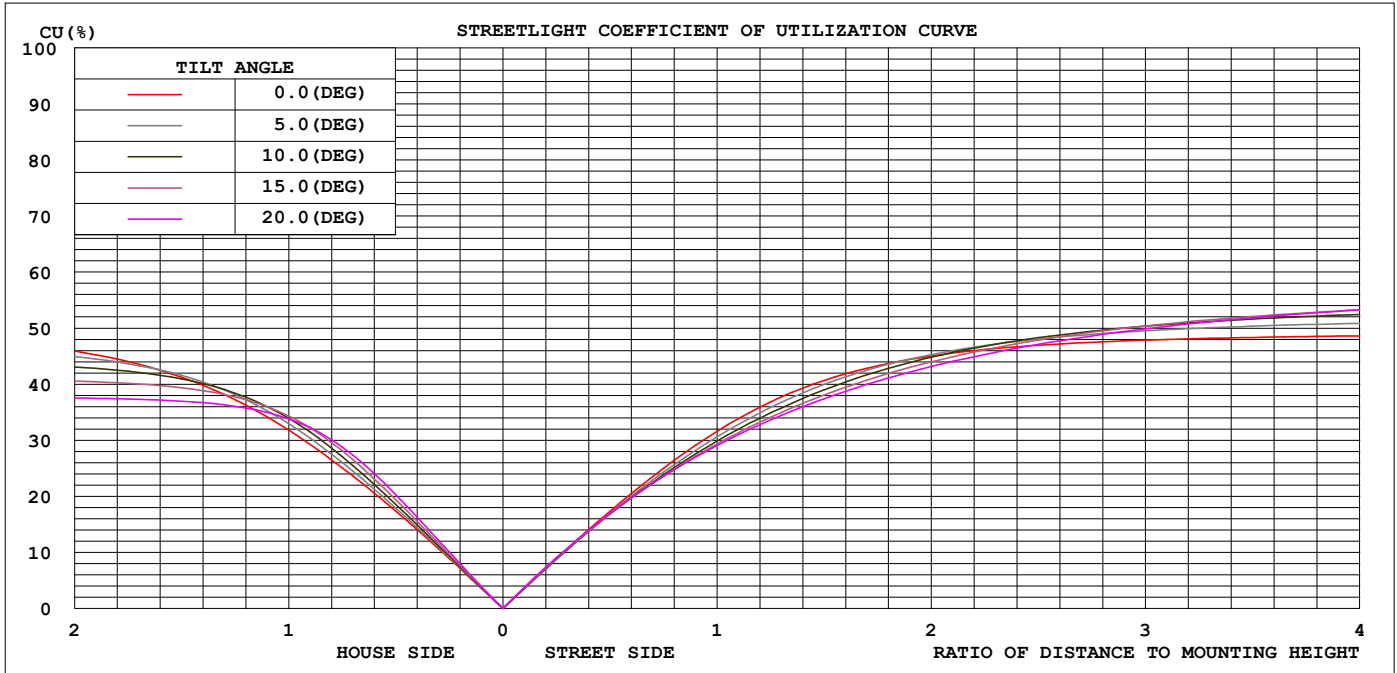
Classification:

IES:Type VS - Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:43.00cd/klm
Max.At90:0.4538cd/klm
Max.80-90:43.00cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		18565
90%		16709
80%		14852
70%		12996
60%		11139
50%		9283
40%		7426
30%		5570
20%		3713
10%		1857
5%		928

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

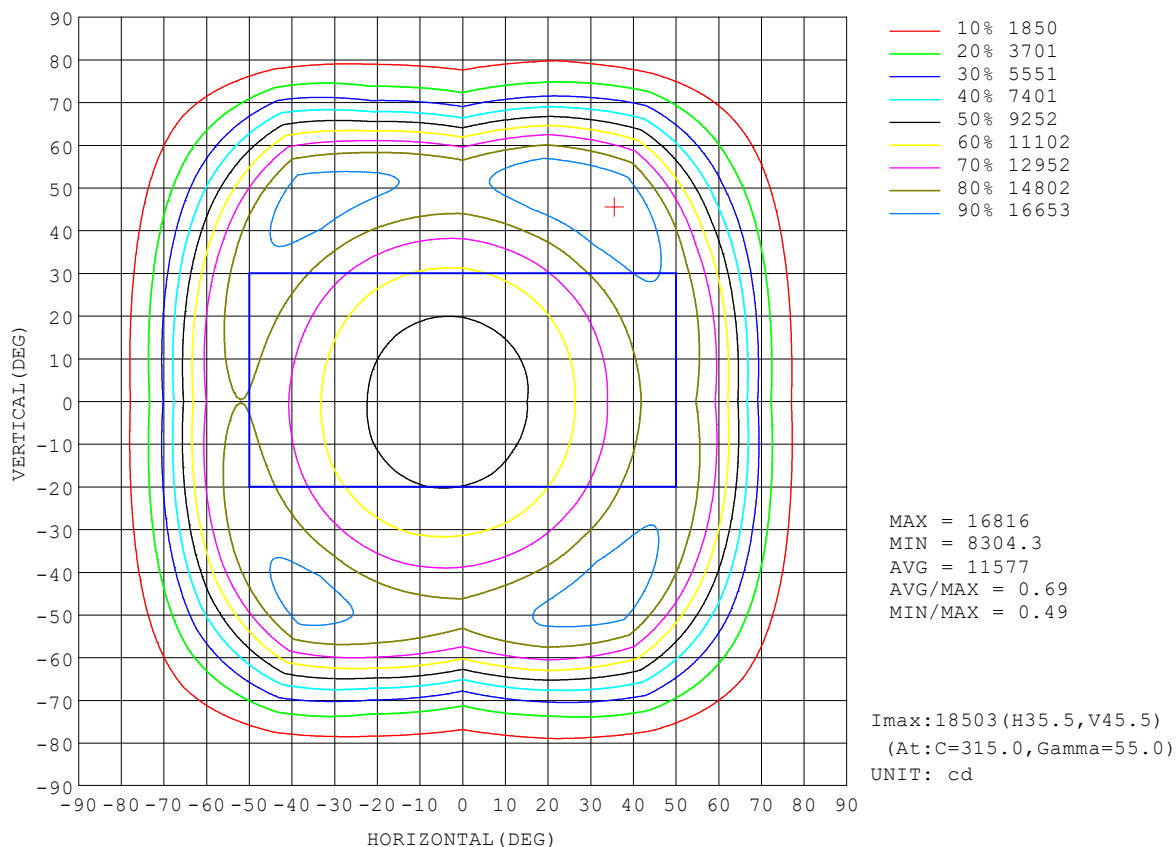
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	876.7	871.2	857.4	845.3	840.2	844.9	856.9	869.7	0- 10	808.5	808.5	1.39,1.39
20	986.4	965.0	928.1	901.6	896.0	905.4	930.0	963.1	10- 20	2535	3343	5.73,5.73
30	1192	1151	1081	1038	1039	1046	1086	1155	20- 30	4690	8034	13.8,13.8
40	1435	1431	1328	1287	1271	1307	1357	1452	30- 40	7714	15748	27,27
50	1548	1729	1523	1641	1465	1652	1608	1783	40- 50	11662	27409	47,47
60	1242	1675	1132	1724	1293	1734	1260	1753	50- 60	14405	41815	71.7,71.7
70	495.1	936.3	435.0	996.9	564.3	1069	494.2	984.2	60- 70	11192	53007	90.8,90.8
80	110.6	215.7	117.1	228.4	123.7	250.9	128.8	212.2	70- 80	4484	57491	98.5,98.5
90	1.518	2.648	1.623	2.392	0.5583	0.9774	0.4993	0.9406	80- 90	701.4	58192	99.7,99.7
100	2.140	3.138	3.315	3.385	0.2483	0.2995	0.2716	0.2685	90-100	15.63	58208	99.8,99.8
110	2.900	3.447	3.701	3.723	0.6009	0.6157	0.7436	0.5650	100-110	19.24	58227	99.8,99.8
120	3.199	3.310	4.055	3.892	1.652	1.986	2.107	1.532	110-120	23.46	58251	99.8,99.8
130	3.366	3.488	4.018	3.925	2.592	3.095	3.031	2.489	120-130	27.05	58278	99.9,99.9
140	3.327	3.398	3.718	3.610	2.871	3.002	2.994	2.509	130-140	24.64	58302	99.9,99.9
150	3.268	3.393	3.512	3.342	2.669	2.693	2.617	2.314	140-150	18.88	58321	100,100
160	3.508	3.514	3.353	3.336	3.028	2.875	2.822	2.492	150-160	13.64	58335	100,100
170	4.121	3.875	3.382	3.584	4.450	3.955	3.369	3.579	160-170	9.681	58344	100,100
180	4.203	3.780	3.205	3.586	4.307	3.848	3.251	3.639	170-180	3.658	58348	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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

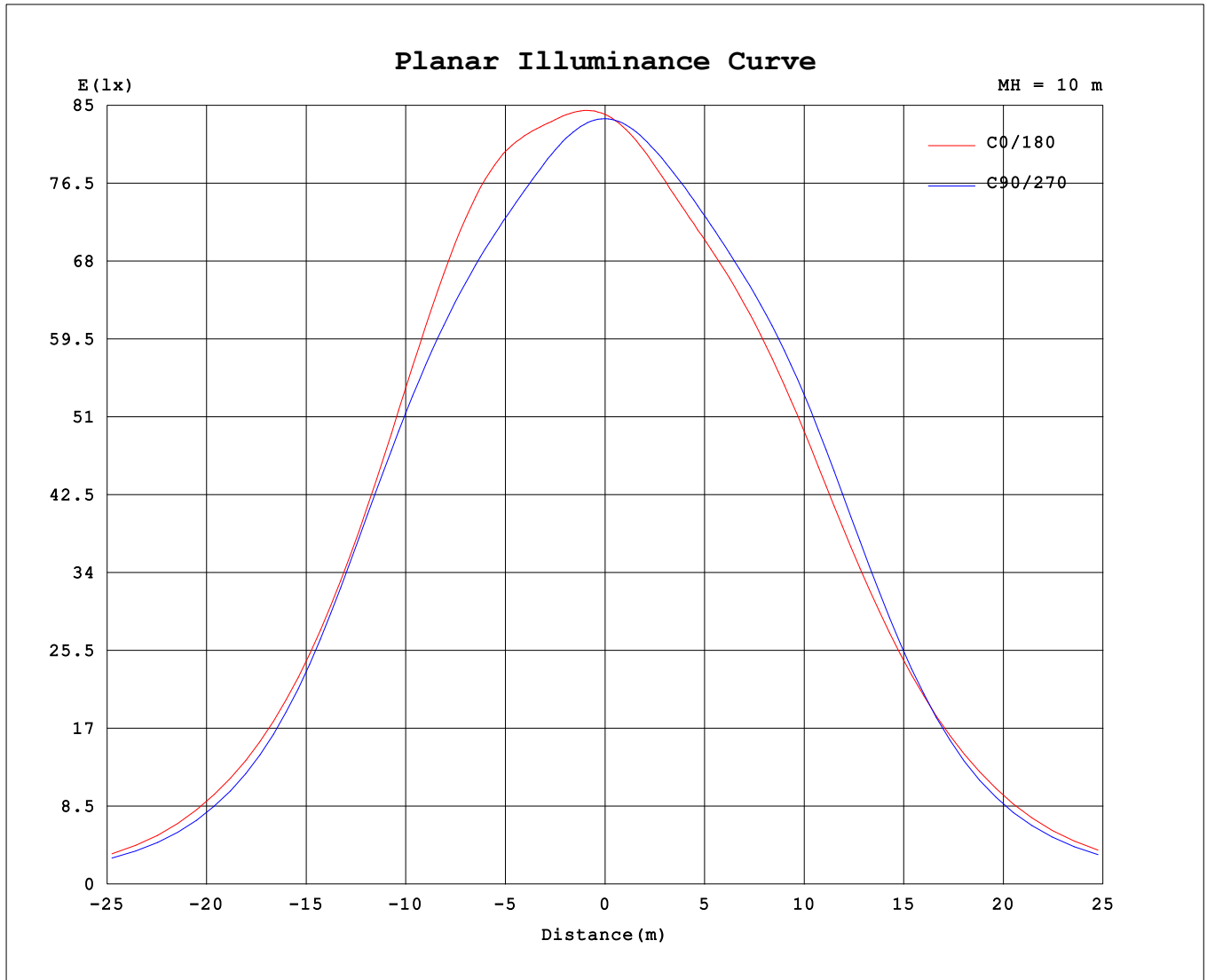
Test:U:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5°C
Operators:DAMIN
Test Date:2024-01-15

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



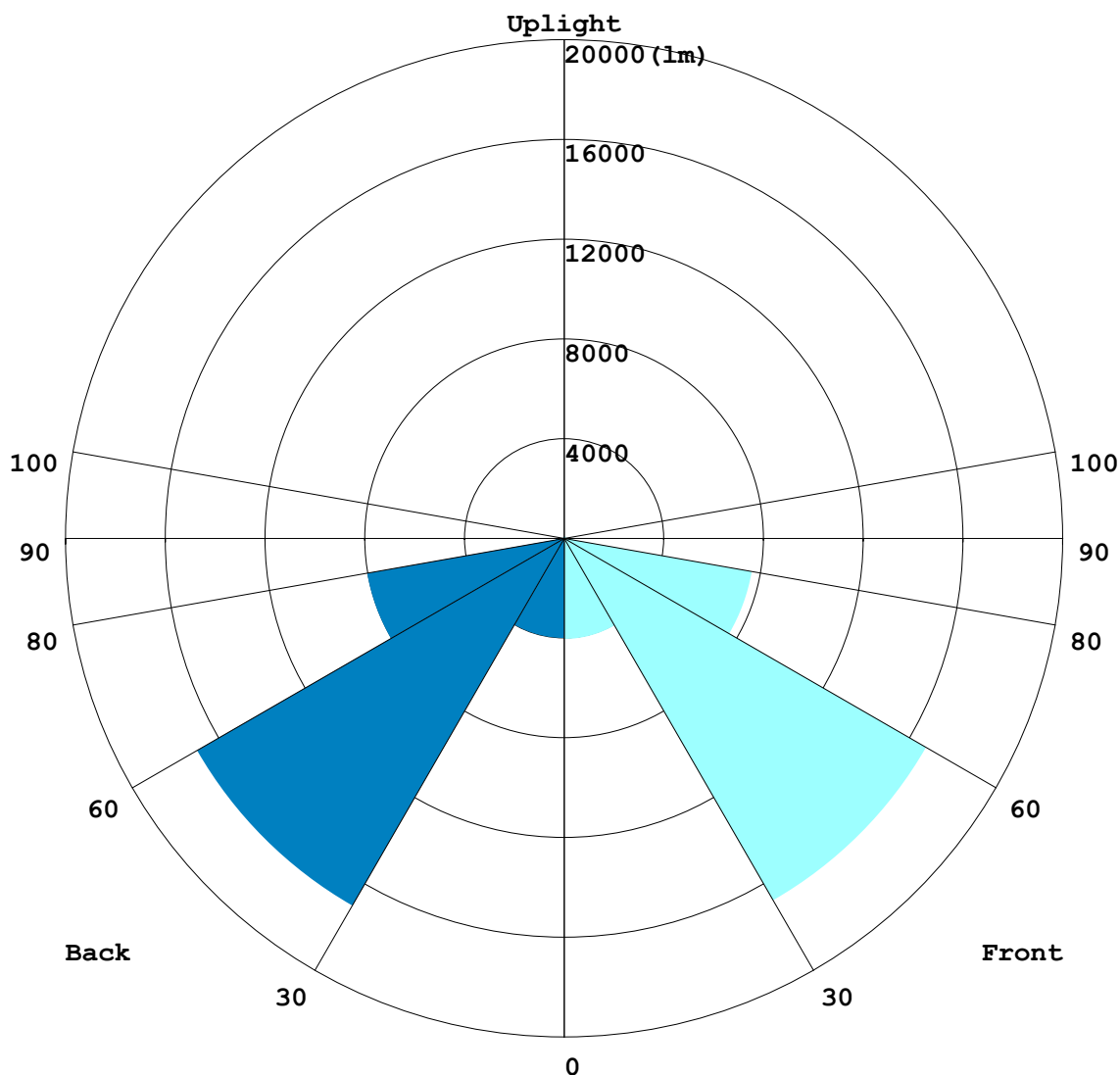
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.5℃
 Operators:DAMIN
 Test Date:2024-01-15

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:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 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: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 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)	4036.4	6.9
FM - Front-Medium(30-60)	16773	28.7
FH - Front-High(60-80)	7645.1	13.1
FVH - Front-Very High(80-90)	358.56	0.6
Total Forward Light	28917	49.6

BL - Back-Low(0-30)	3997.5	6.9
BM - Back-Medium(30-60)	17008	29.1
BH - Back-High(60-80)	8031	13.8
BVH - Back-Very High(80-90)	342.83	0.6
Total Back Light	29431	50.4

UL - Uplight-Low(90-100)	15.63	0.0
UH - Uplight-High(100-180)	140.26	0.2
Total Up Light	155.89	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	29379	52.113	29431
Street Side	28813	103.78	28917

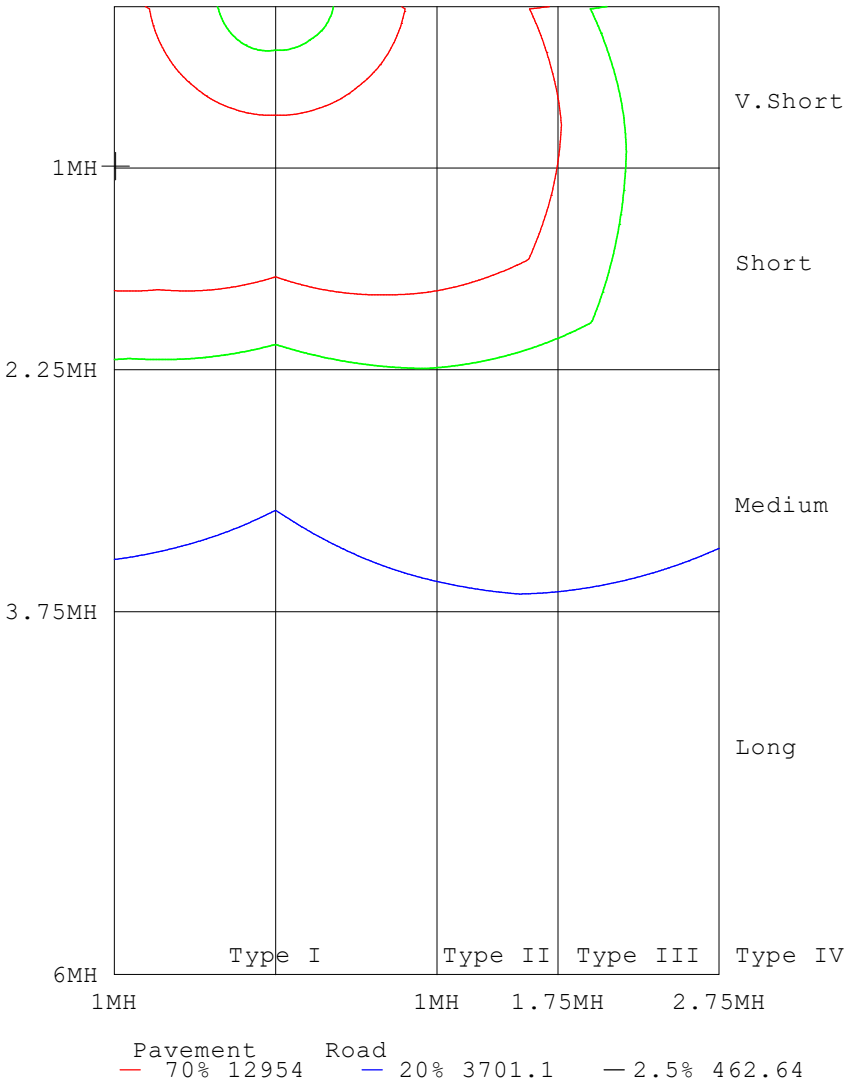
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 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: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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:117.58V I:3.8644A P:454.00W PF:0.9992 Freq:60.01Hz Lamp Flux:58348.1x1 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	836	836	836	836	836	836	836	836	836	836	836	836	836	836	836	836			
5	851	850	848	845	842	838	836	834	833	834	835	838	841	845	847	850			
10	877	875	871	864	857	850	845	842	840	842	845	851	857	864	870	875			
15	920	916	909	895	885	874	866	862	860	863	867	876	885	897	907	916			
20	986	978	965	943	928	911	902	897	896	899	905	916	930	947	963	980			
25	1079	1066	1045	1015	992	969	958	954	955	958	963	978	996	1021	1046	1070			
30	1192	1179	1151	1112	1081	1050	1038	1036	1039	1044	1046	1065	1086	1121	1155	1184			
35	1316	1308	1281	1236	1195	1160	1148	1145	1147	1157	1162	1183	1207	1252	1291	1315			
40	1435	1441	1431	1382	1328	1297	1287	1277	1271	1292	1307	1333	1357	1414	1452	1453			
45	1525	1563	1589	1536	1456	1449	1457	1425	1391	1435	1479	1503	1512	1594	1624	1576			
50	1548	1636	1729	1653	1523	1579	1641	1555	1465	1550	1652	1643	1608	1744	1783	1647			
55	1463	1612	1784	1658	1420	1596	1765	1608	1449	1589	1771	1671	1544	1782	1857	1616			
60	1242	1444	1675	1456	1132	1409	1724	1518	1293	1492	1734	1495	1260	1613	1753	1434			
65	876	1124	1351	1098	753	1055	1429	1236	955	1212	1488	1116	848	1233	1438	1093			
70	495	742	936	681	435	647	997	844	564	827	1069	686	494	777	984	698			
75	250	412	533	367	233	344	565	483	291	472	629	367	262	419	554	373			
80	111	181	216	180	117	165	228	209	124	207	251	177	129	202	212	165			
85	33.2	60.7	61.1	66.4	42.1	61.2	60.5	61.3	31.8	52.2	60.3	51.8	40.3	58.9	56.5	47.7			
90	1.52	2.08	2.65	2.34	1.62	2.07	2.39	1.92	0.56	0.77	0.98	0.74	0.50	0.80	0.94	0.73			
95	1.68	2.16	2.86	2.81	2.31	2.92	3.16	2.07	0.26	0.34	0.39	0.30	0.26	0.32	0.35	0.29			
100	2.14	2.52	3.14	3.78	3.31	3.84	3.38	2.45	0.25	0.31	0.30	0.26	0.27	0.28	0.27	0.24			
105	2.58	2.88	3.30	3.52	3.45	3.76	3.53	2.82	0.38	0.40	0.38	0.36	0.43	0.41	0.36	0.32			
110	2.90	3.10	3.45	3.64	3.70	3.85	3.72	3.05	0.60	0.64	0.62	0.65	0.74	0.70	0.56	0.50			
115	3.13	3.28	3.45	3.93	4.00	4.00	3.89	3.20	1.00	1.12	1.13	1.27	1.34	1.29	0.91	0.88			
120	3.20	3.29	3.31	4.06	4.06	4.00	3.89	3.16	1.65	1.84	1.99	2.07	2.11	2.12	1.53	1.50			
125	3.29	3.30	3.41	4.11	4.06	4.10	3.92	3.14	2.17	2.41	2.69	2.70	2.68	2.56	2.16	1.99			
130	3.37	3.27	3.49	4.08	4.02	4.07	3.92	3.17	2.59	2.84	3.10	3.05	3.03	2.79	2.49	2.23			
135	3.32	3.01	3.44	3.87	3.84	3.94	3.79	2.99	2.84	3.06	3.13	3.10	3.13	2.83	2.57	2.19			
140	3.33	2.92	3.40	3.73	3.72	3.76	3.61	2.99	2.87	3.03	3.00	2.98	2.99	2.73	2.51	2.07			
145	3.26	3.01	3.39	3.65	3.62	3.64	3.48	2.99	2.75	2.84	2.81	2.86	2.73	2.55	2.40	1.92			
150	3.27	3.20	3.39	3.58	3.51	3.52	3.34	2.97	2.67	2.71	2.69	2.75	2.62	2.42	2.31	1.89			
155	3.35	3.43	3.41	3.53	3.43	3.46	3.31	3.01	2.65	2.67	2.69	2.74	2.61	2.37	2.27	1.87			
160	3.51	3.64	3.51	3.55	3.35	3.40	3.34	3.11	3.03	2.86	2.88	2.92	2.82	2.48	2.49	2.19			
165	3.75	3.84	3.66	3.58	3.33	3.34	3.42	3.28	3.87	3.73	3.71	3.64	3.32	3.11	3.22	2.97			
170	4.12	4.14	3.87	3.69	3.38	3.41	3.58	3.62	4.45	4.33	3.96	3.71	3.37	3.33	3.58	3.52			
175	4.23	4.36	3.99	3.75	3.48	3.51	3.74	3.82	4.46	4.48	4.02	3.75	3.46	3.49	3.81	3.81			
180	4.20	4.23	3.78	3.47	3.20	3.24	3.59	3.82	4.31	4.31	3.85	3.52	3.25	3.28	3.64	3.89			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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: