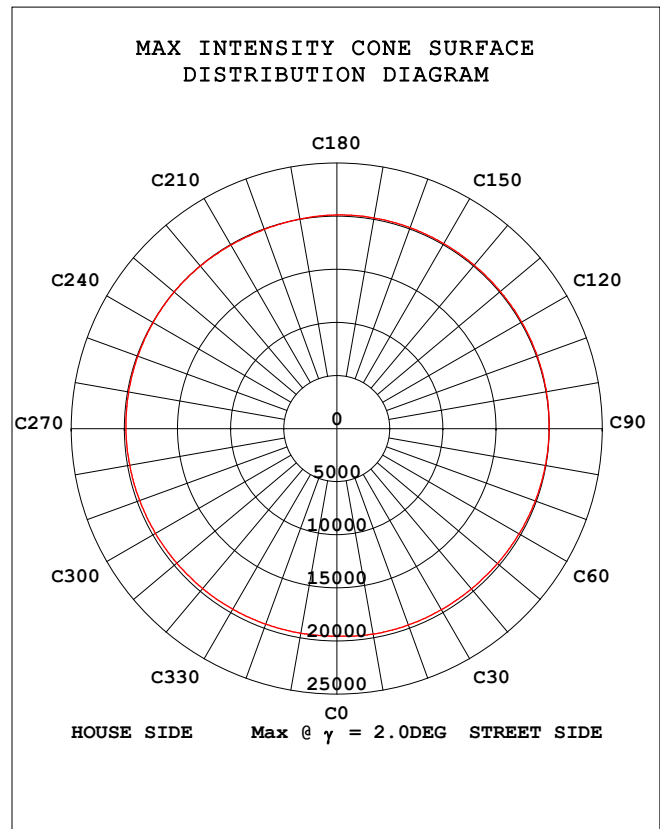
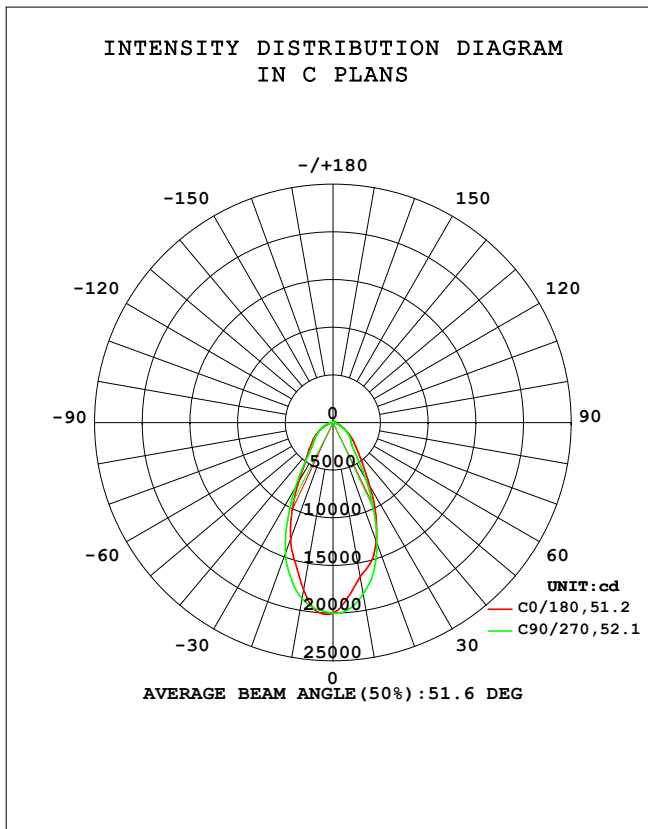


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.18 lm/W			
MODEL		I _{max} (cd)	20140	η street_up (%)	0.6
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	48.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	19791	η house_up (%)	0.6
NOMINAL FLUX (lm)	19791.2	MAXIMUM @ (C, γ)	158,2.0	η house_down (%)	50.4
LAMPS INSIDE	1	η up (%)	1.2	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	98.8	SLI	

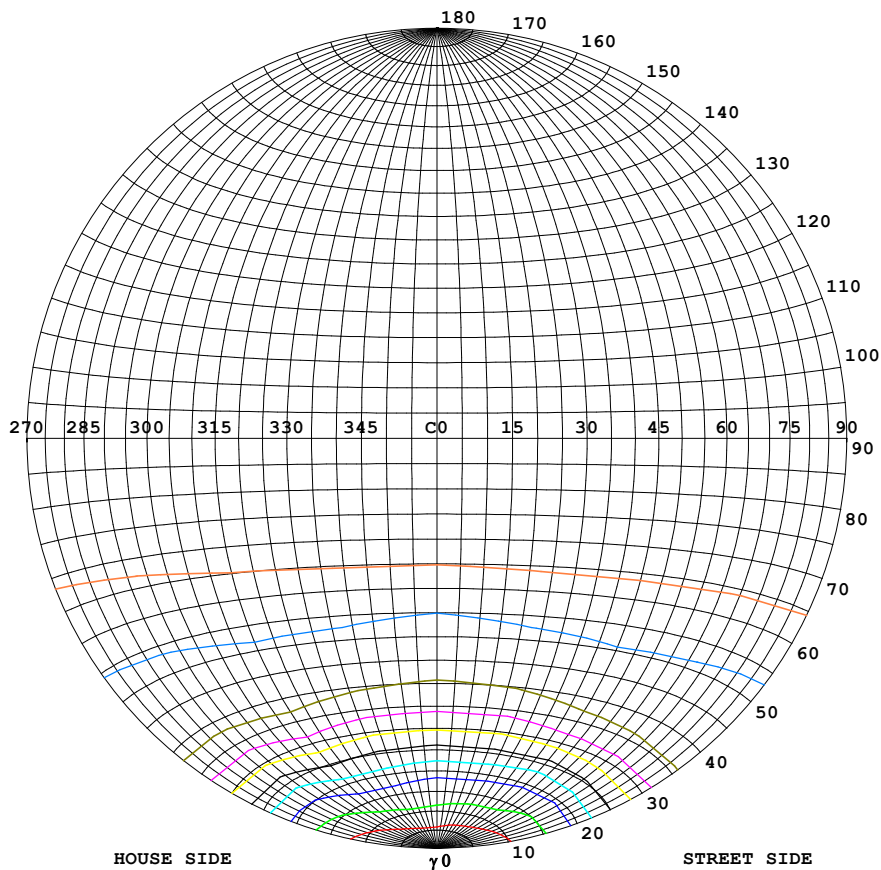


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

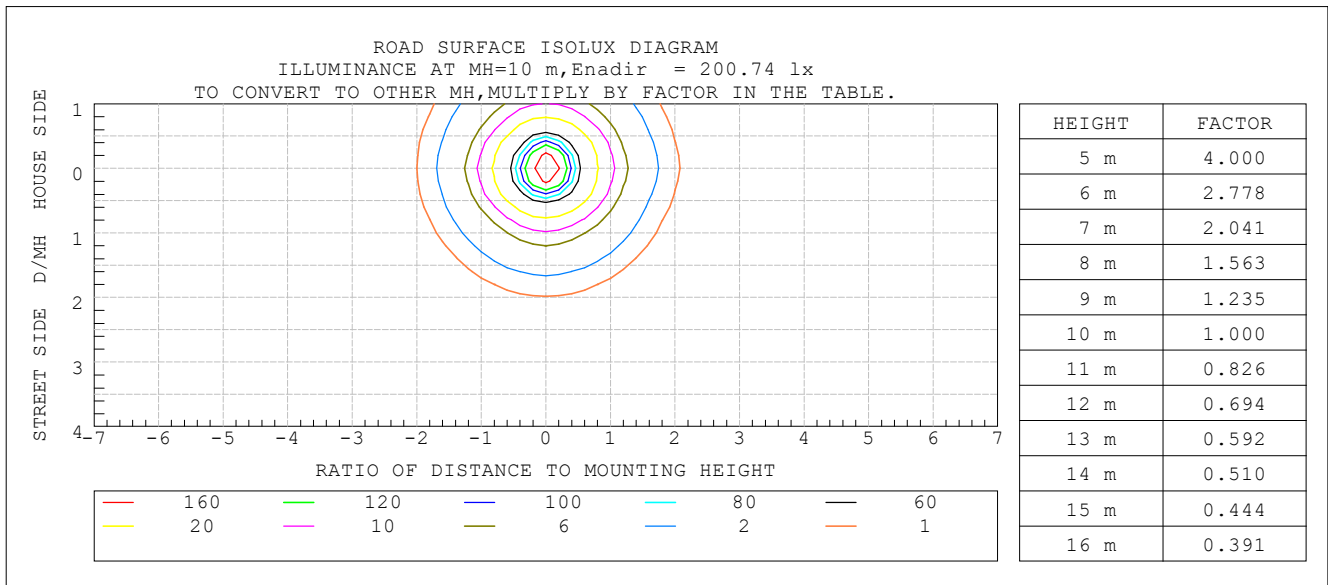
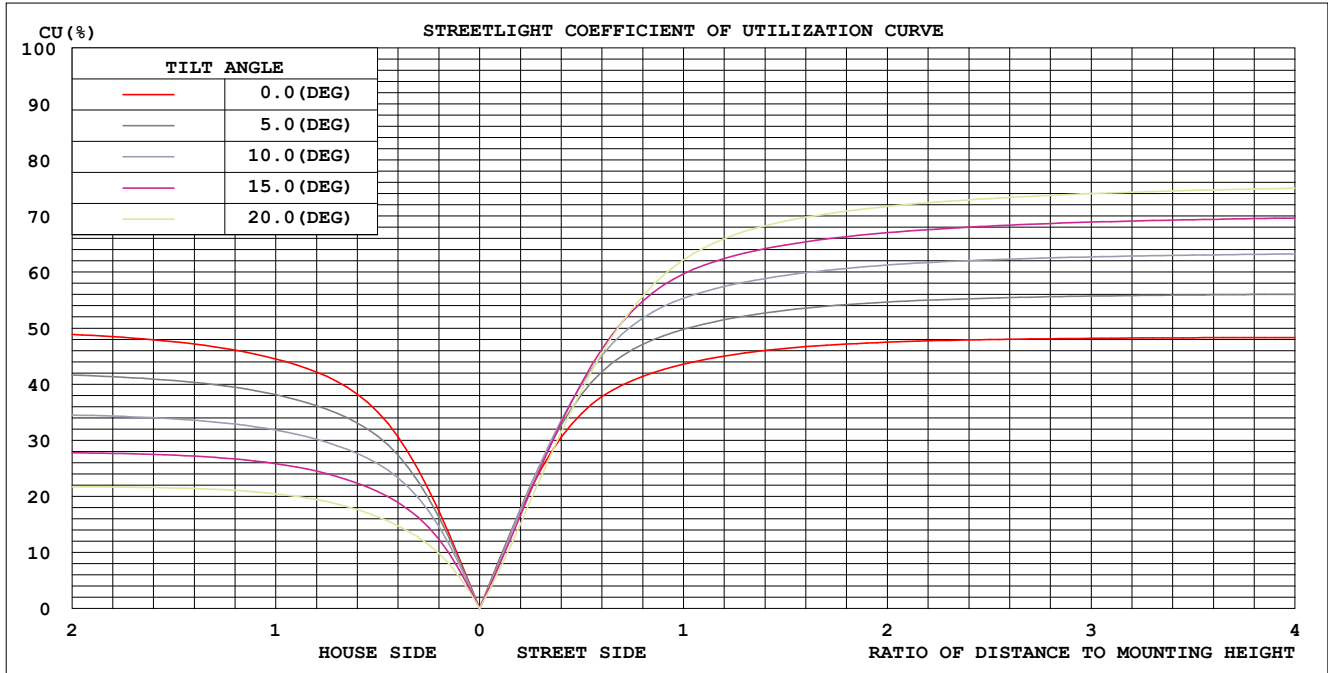
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.84cd/klm
Max.At90:0.2572cd/klm
Max.80-90:12.84cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	20140
90%	18126
80%	16112
70%	14098
60%	12084
50%	10070
40%	8056
30%	6042
20%	4028
10%	2014
5%	1007

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

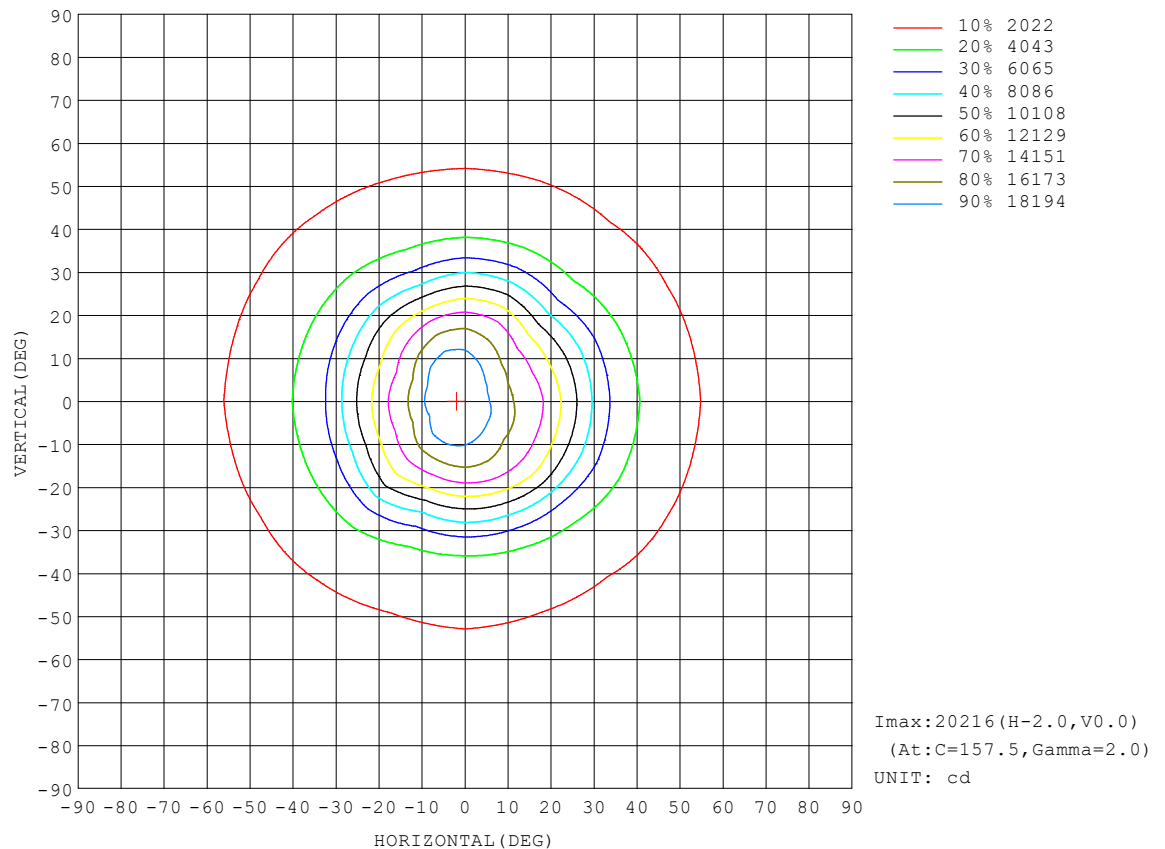
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1645	1704	1826	1858	1782	1864	1874	1706	0- 10	1799	1799	9.09,9.09
20	1323	1363	1349	1372	1304	1358	1460	1293	10- 20	4405	6204	31.3,31.3
30	779.6	721.5	694.1	811.3	725.7	778.2	804.9	685.9	20- 30	4776	10981	55.5,55.5
40	418.0	338.3	314.2	369.4	405.5	373.6	357.0	339.4	30- 40	3210	14190	71.7,71.7
50	262.4	206.8	231.9	221.2	268.0	232.9	247.3	216.0	40- 50	2224	16414	82.9,82.9
60	139.7	126.1	134.9	132.3	158.5	144.3	154.4	137.5	50- 60	1647	18061	91.3,91.3
70	66.47	53.54	57.98	57.25	78.45	73.44	89.71	68.97	60- 70	1014	19076	96.4,96.4
80	18.09	8.442	2.411	9.986	25.42	23.02	24.91	20.37	70- 80	420.2	19496	98.5,98.5
90	0.5027	0.4893	0.5090	0.4612	0.4212	0.4756	0.5002	0.4719	80- 90	56.86	19553	98.8,98.8
100	0.9491	0.9081	0.9273	0.8614	0.8098	0.7322	0.7329	0.7667	90-100	6.905	19559	98.8,98.8
110	1.617	1.540	1.535	1.469	1.457	1.309	1.282	1.377	100-110	11.80	19571	98.9,98.9
120	2.727	2.609	2.608	2.491	2.561	2.308	2.209	2.434	110-120	18.96	19590	99,99
130	4.425	4.326	4.344	4.119	4.243	3.947	3.800	4.153	120-130	29.20	19619	99.1,99.1
140	6.655	6.537	6.517	6.243	6.445	6.106	5.939	6.407	130-140	40.10	19660	99.3,99.3
150	8.988	8.724	8.709	8.472	8.851	8.314	8.200	8.612	140-150	46.71	19706	99.6,99.6
160	10.65	10.35	10.22	10.10	10.67	10.05	10.02	10.11	150-160	43.76	19750	99.8,99.8
170	11.62	10.86	11.03	10.91	11.68	11.13	11.17	10.75	160-170	30.28	19780	99.9,99.9
180	12.56	12.06	12.58	11.97	12.60	12.09	12.62	12.00	170-180	10.95	19791	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

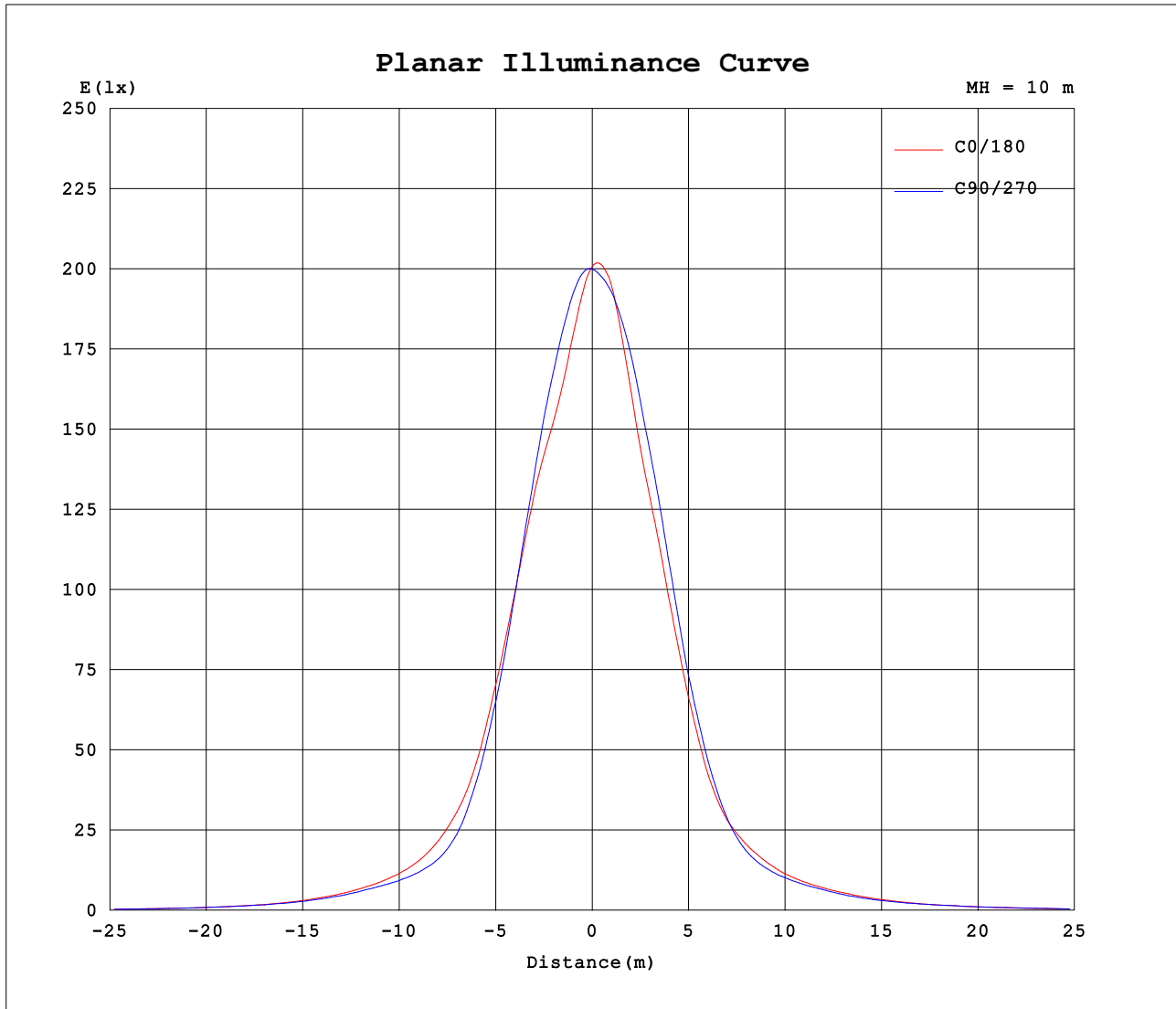
Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



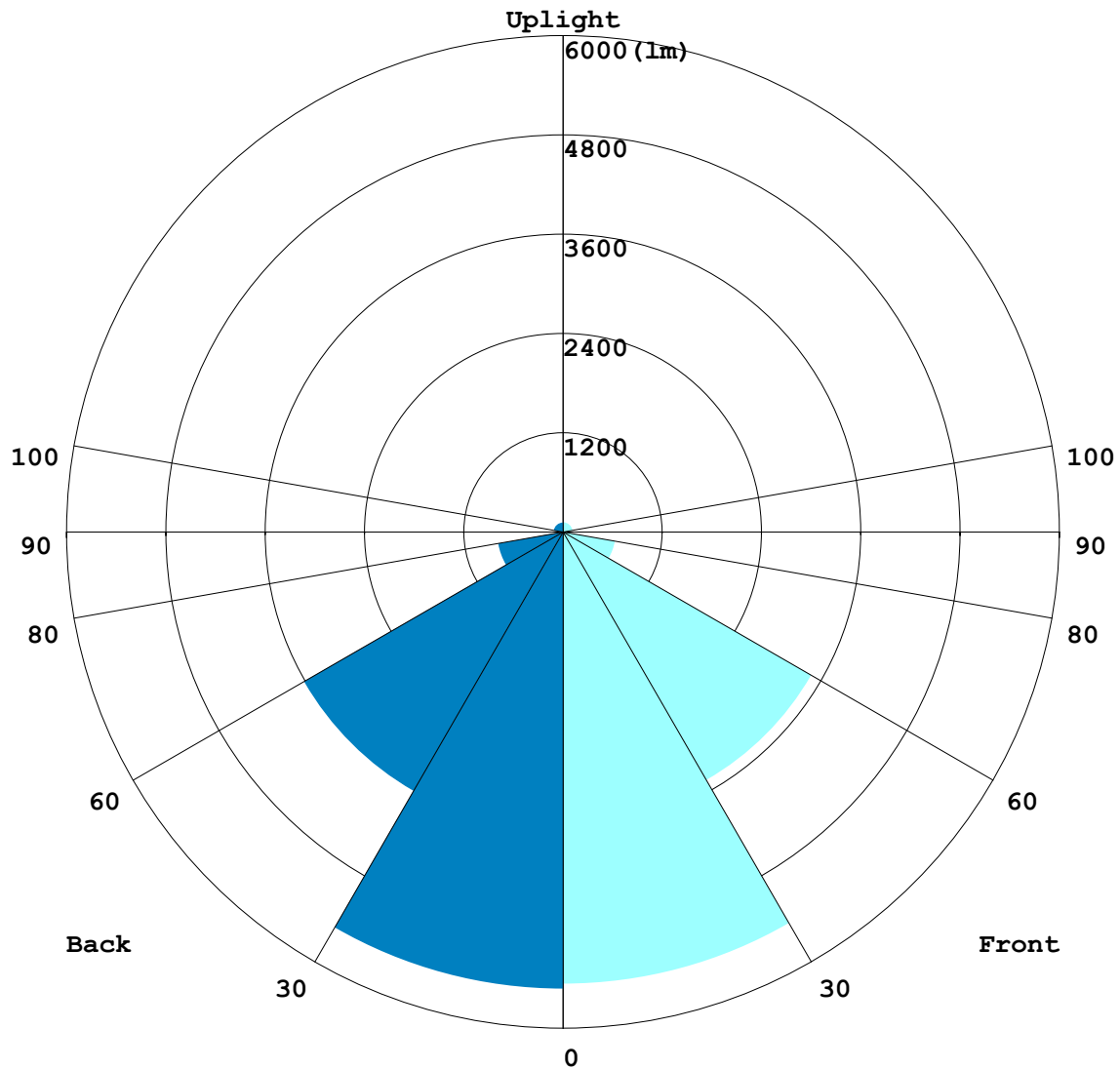
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

BUG REPORT

Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5459.1	27.6
FM - Front-Medium(30-60)	3464.8	17.5
FH - Front-High(60-80)	637.03	3.2
FVH - Front-Very High(80-90)	14.03	0.1
Total Forward Light	9697.6	49.0

BL - Back-Low(0-30)	5521.5	27.9
BM - Back-Medium(30-60)	3615.9	18.3
BH - Back-High(60-80)	797.42	4.0
BVH - Back-Very High(80-90)	42.83	0.2
Total Back Light	10094	51.0

UL - Uplight-Low(90-100)	6.9048	0.0
UH - Uplight-High(100-180)	231.76	1.2
Total Up Light	238.67	1.2

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9977.6	116.08	10094
Street Side	9575	122.58	9697.6

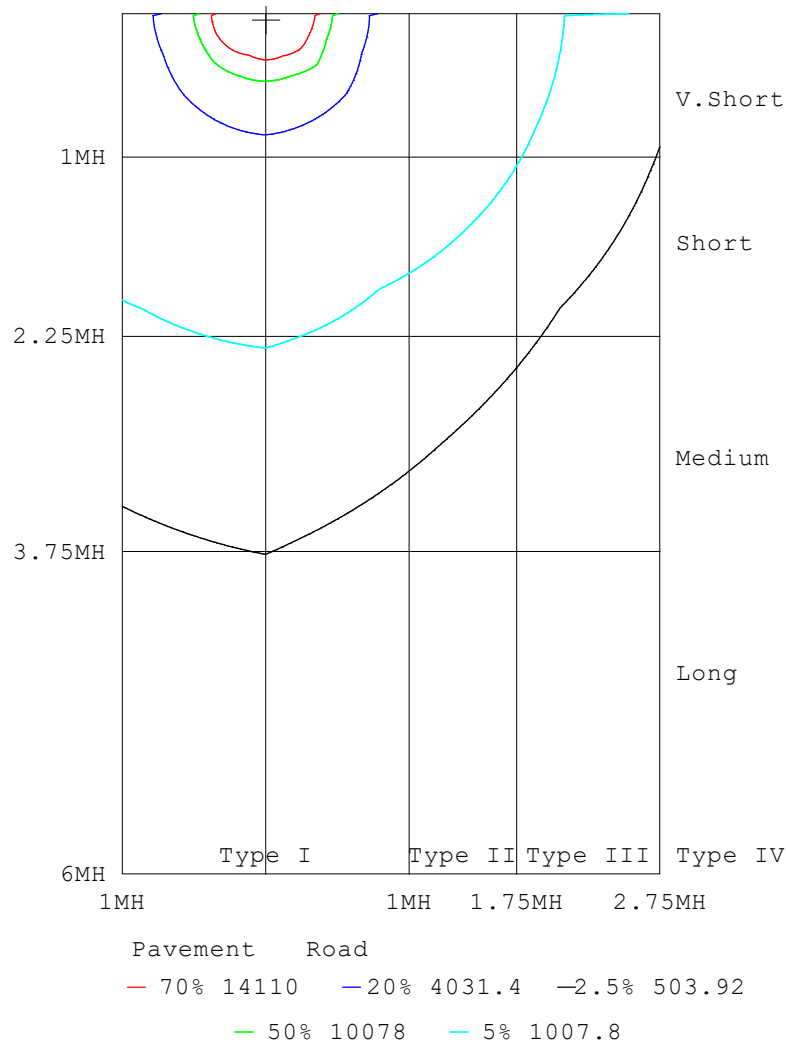
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.87V I:1.2626A P:149.73W PF:0.9976 Freq:60.00Hz Lamp Flux:19791.2x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									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	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999			
5	1839	1870	1891	1932	1963	1982	1990	1982	1988	1962	1985	1986	1964	1927	1888	1861			
10	1645	1677	1704	1769	1826	1854	1858	1788	1782	1777	1864	1899	1874	1799	1706	1664			
15	1525	1528	1539	1603	1635	1626	1628	1546	1529	1510	1622	1702	1698	1624	1515	1499			
20	1323	1325	1363	1365	1349	1332	1372	1317	1304	1276	1358	1429	1460	1416	1293	1292			
25	1064	1061	1076	1032	1011	992	1119	1026	1018	1015	1078	1078	1133	1117	988	1045			
30	780	775	722	696	694	663	811	734	726	740	778	733	805	780	686	772			
35	559	542	474	450	436	436	524	515	512	516	519	487	523	513	467	536			
40	418	393	338	312	314	309	369	391	406	391	374	343	357	348	339	388			
45	326	295	260	251	265	252	281	305	323	308	290	274	289	274	267	294			
50	262	230	207	212	232	213	221	240	268	245	233	231	247	230	216	231			
55	199	176	164	174	181	175	174	182	214	191	185	189	195	188	175	179			
60	140	130	126	131	135	132	132	134	159	143	144	150	154	149	138	135			
65	98.9	92.9	89.2	92.1	95.9	92.8	93.4	97.3	114	106	107	115	122	114	103	98.6			
70	66.5	62.3	53.5	56.2	58.0	57.3	57.3	66.8	78.5	73.6	73.4	81.1	89.7	80.1	69.0	66.6			
75	40.9	35.3	26.5	25.6	24.9	26.7	28.9	39.1	50.9	45.3	44.2	49.9	55.0	48.8	41.1	39.3			
80	18.1	13.3	8.44	4.03	2.41	4.86	9.99	16.0	25.4	22.3	23.0	24.0	24.9	22.9	20.4	18.3			
85	3.52	2.09	0.68	0.37	0.36	0.36	0.88	3.14	7.20	6.37	6.72	6.26	6.12	5.40	5.13	4.52			
90	0.50	0.49	0.49	0.50	0.51	0.48	0.46	0.45	0.42	0.45	0.48	0.49	0.50	0.49	0.47	0.46			
95	0.70	0.69	0.68	0.69	0.70	0.67	0.64	0.63	0.58	0.57	0.54	0.54	0.54	0.54	0.56	0.60			
100	0.95	0.93	0.91	0.91	0.93	0.89	0.86	0.87	0.81	0.78	0.73	0.73	0.73	0.74	0.77	0.82			
105	1.25	1.22	1.19	1.18	1.20	1.16	1.13	1.16	1.09	1.05	0.99	0.98	0.98	0.99	1.03	1.10			
110	1.62	1.57	1.54	1.51	1.53	1.50	1.47	1.52	1.46	1.40	1.31	1.29	1.28	1.30	1.38	1.45			
115	2.10	2.03	2.00	1.96	1.99	1.97	1.91	2.00	1.93	1.87	1.74	1.69	1.68	1.69	1.83	1.89			
120	2.73	2.64	2.61	2.56	2.61	2.60	2.49	2.61	2.56	2.47	2.31	2.25	2.21	2.24	2.43	2.48			
125	3.51	3.40	3.40	3.34	3.40	3.40	3.24	3.38	3.33	3.22	3.05	2.97	2.91	2.96	3.21	3.23			
130	4.43	4.31	4.33	4.27	4.34	4.33	4.12	4.28	4.24	4.13	3.95	3.84	3.80	3.82	4.15	4.12			
135	5.48	5.38	5.38	5.32	5.40	5.37	5.12	5.31	5.28	5.16	4.97	4.83	4.83	4.83	5.23	5.16			
140	6.65	6.56	6.54	6.45	6.52	6.51	6.24	6.46	6.45	6.33	6.11	5.90	5.94	5.95	6.41	6.32			
145	7.86	7.77	7.68	7.58	7.64	7.66	7.40	7.65	7.66	7.53	7.24	6.99	7.08	7.09	7.59	7.48			
150	8.99	8.92	8.72	8.65	8.71	8.73	8.47	8.77	8.85	8.65	8.31	8.08	8.20	8.20	8.61	8.57			
155	9.92	9.91	9.65	9.60	9.62	9.63	9.40	9.70	9.86	9.63	9.26	9.06	9.24	9.21	9.47	9.54			
160	10.6	10.7	10.4	10.3	10.2	10.3	10.1	10.3	10.7	10.5	10.0	9.87	10.0	10.0	10.1	10.3			
165	11.1	11.2	10.7	10.6	10.6	10.8	10.6	10.7	11.2	11.0	10.6	10.5	10.6	10.5	10.5	10.8			
170	11.6	11.4	10.9	10.8	11.0	11.1	10.9	11.0	11.7	11.3	11.1	11.0	11.2	10.9	10.7	11.1			
175	12.0	11.7	11.4	11.4	11.8	11.8	11.5	11.4	12.2	11.8	11.7	11.8	11.9	11.5	11.3	11.5			
180	12.6	12.2	12.1	12.2	12.6	12.3	12.0	11.9	12.6	12.2	12.1	12.1	12.6	12.2	12.0	11.9			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-22

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks: