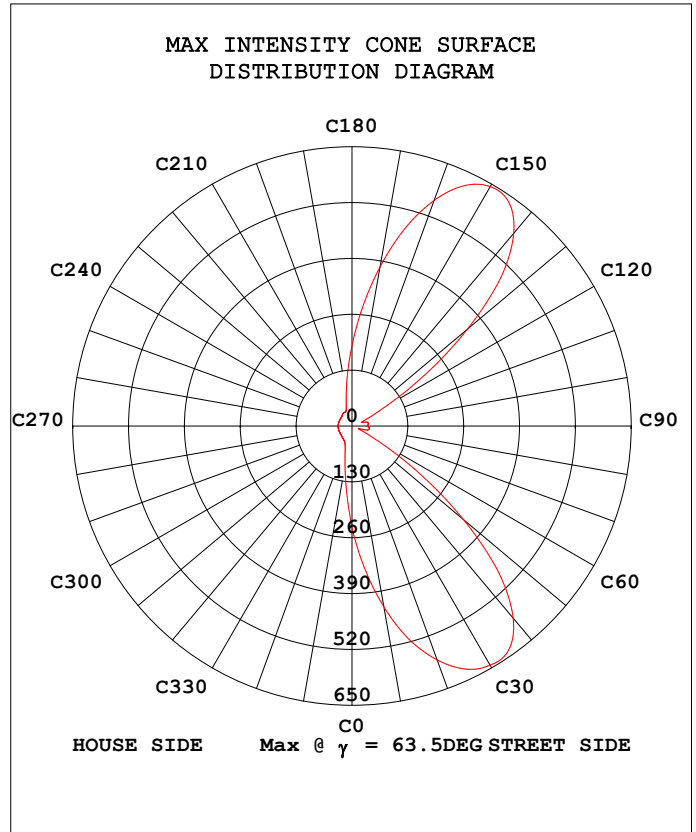
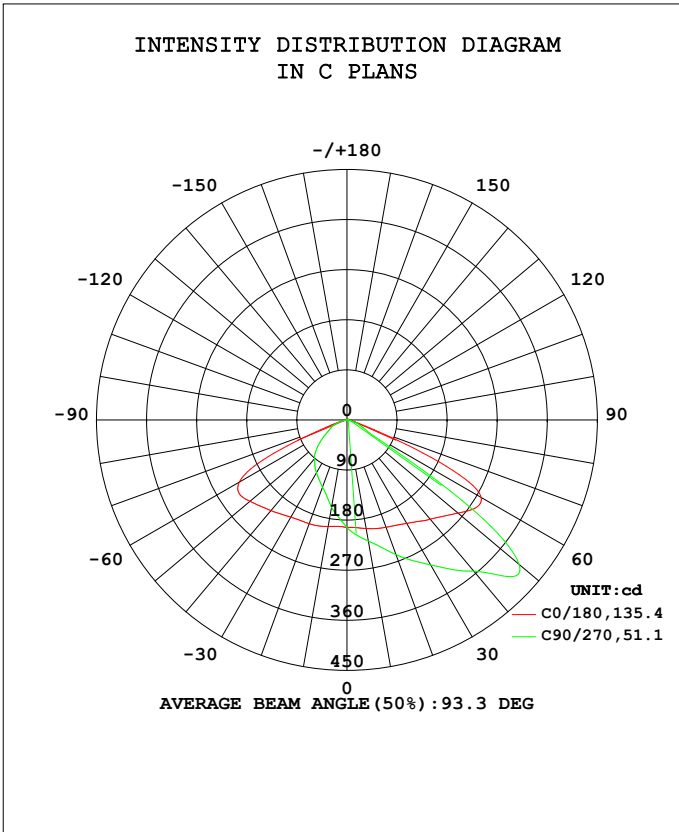


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:2.4V I:2.110A P:5.0W PF:0.000 Freq:0Hz Lamp Flux:863.591x1 lm		
NAME: SL30-005-4070-R01207	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 172.72 lm/W			
MODEL	/	I _{max} (cd)	643.1	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	76.2
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	863.6	η house_up (%)	0.0
NOMINAL FLUX (lm)	863.591	MAXIMUM @ (C, γ)	150,63.5	η house_down (%)	23.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	



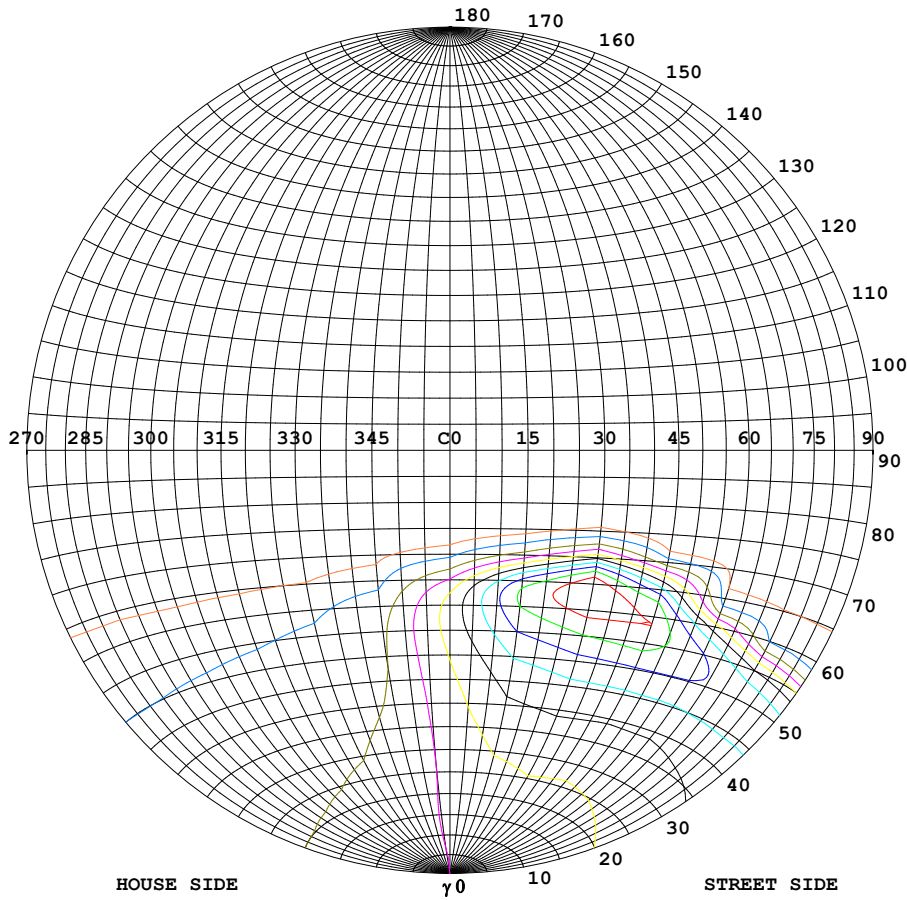
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:WJH
Test Date:2024-07-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.487
Humidity:65.0%
Test Distance:9.840m [K=1.0000]
Remarks:

Checker: LI

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type II - Short
 CIE:Average - Intermediate
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:7.291cd/klm
 Max.At90:1.264cd/klm
 Max.80-90:7.291cd/klm
 NRB 5101:Limited[2.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	643
90%	579
80%	514
70%	450
60%	386
50%	322
40%	257
30%	193
20%	129
10%	64
5%	32

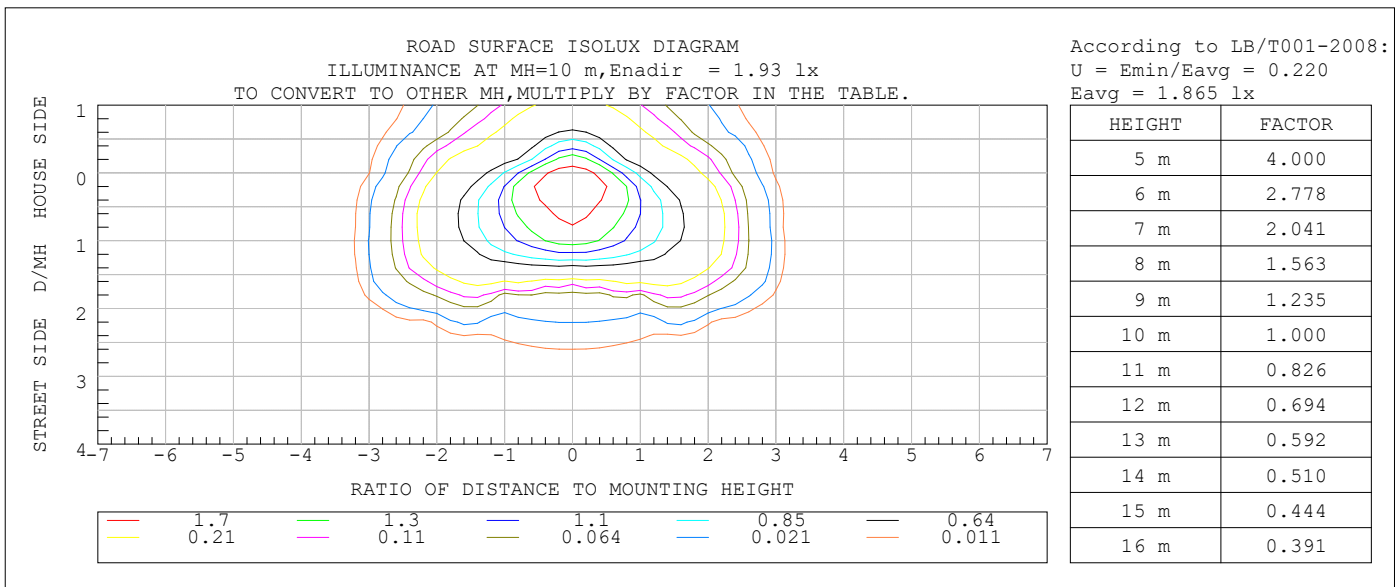
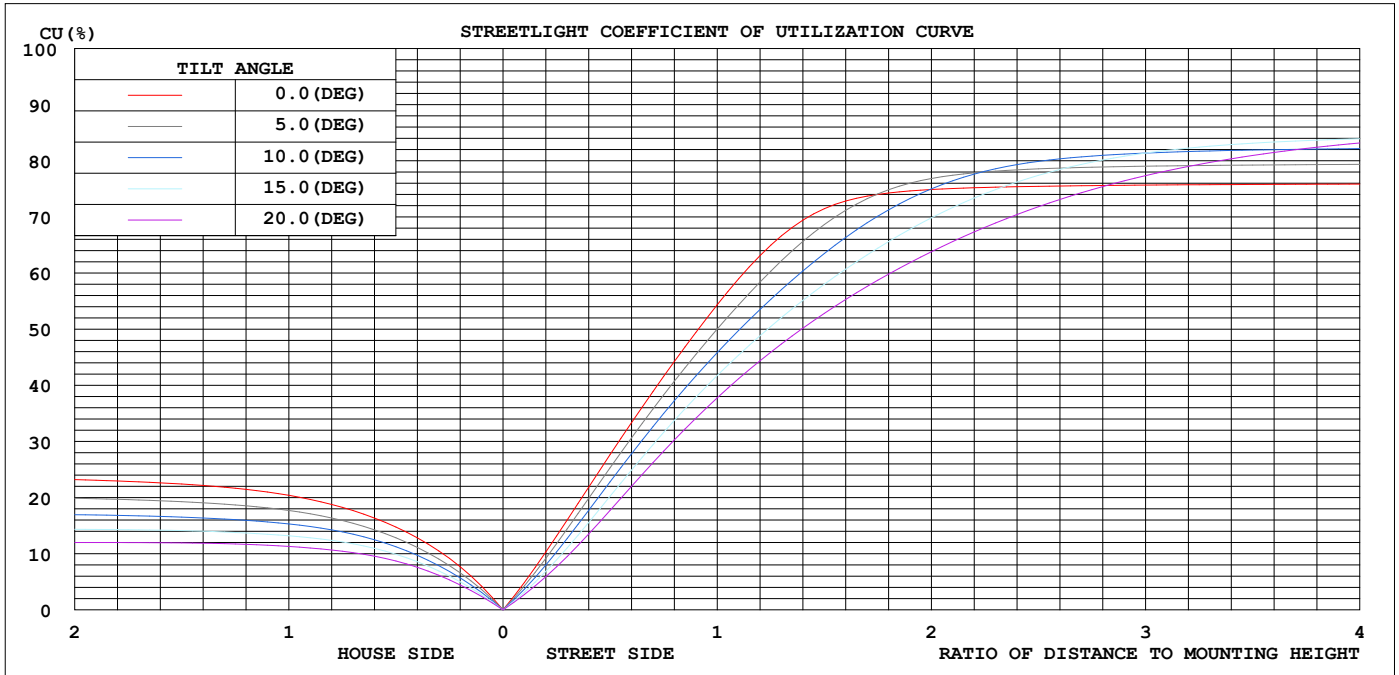
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:WJH
 Test Date:2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



According to LB/T001-2008:
 $U = E_{min}/E_{avg} = 0.220$
 $E_{avg} = 1.865 \text{ lx}$

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: WJH
 Test Date: 2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	198.1	217.8	220.9	214.2	194.3	166.4	159.4	168.1	0- 10	18.34	18.34	2.12,2.12
20	205.2	240.2	257.4	237.1	198.5	137.6	128.4	138.9	10- 20	54.44	72.78	8.43,8.43
30	214.6	268.7	300.9	263.8	201.7	116.9	109.6	117.6	20- 30	90.16	162.9	18.9,18.9
40	232.8	328.4	354.9	318.9	212.6	96.66	90.65	99.23	30- 40	129.4	292.3	33.8,33.8
50	260.4	443.0	403.7	428.8	227.5	72.27	64.19	77.11	40- 50	179.9	472.3	54.7,54.7
60	278.4	570.3	46.75	566.3	223.3	42.01	37.78	42.63	50- 60	217.3	689.5	79.8,79.8
70	52.48	93.57	22.06	95.02	44.71	21.00	22.39	22.41	60- 70	150.4	839.9	97.3,97.3
80	4.276	5.311	4.114	4.382	3.435	3.785	3.640	4.898	70- 80	22.44	862.3	99.9,99.9
90	0.7011	0.1733	0.1509	0.1666	0.6860	0.9267	0.2263	0.9165	80- 90	1.262	863.6	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

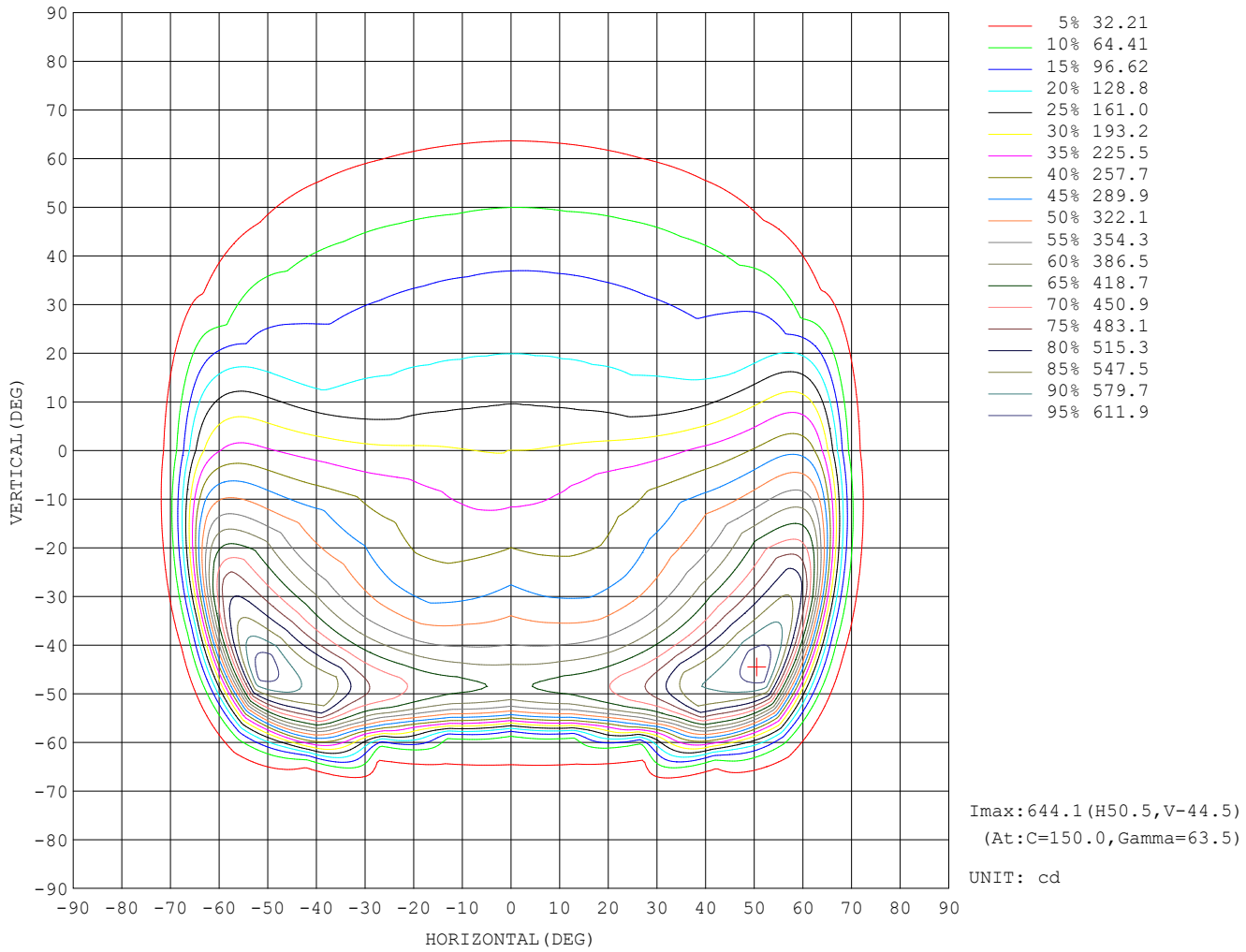
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:WJH
 Test Date:2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

ISOCANDELA DIAGRAM



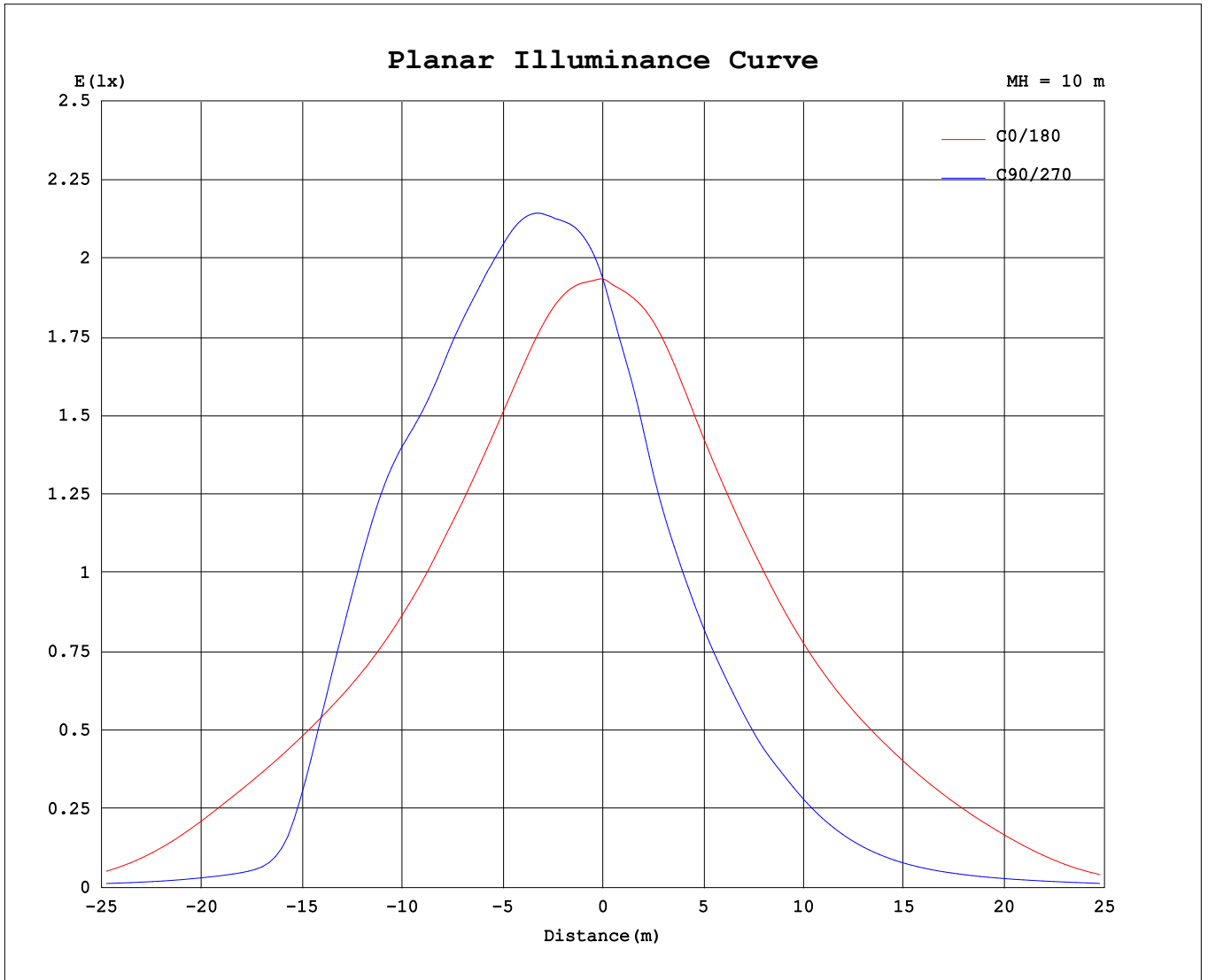
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: WJH
 Test Date: 2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operator: WJH
Test Date: 2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.487
Humidity: 65.0%
Test Distance: 9.840m [K=1.0000]
Remarks:

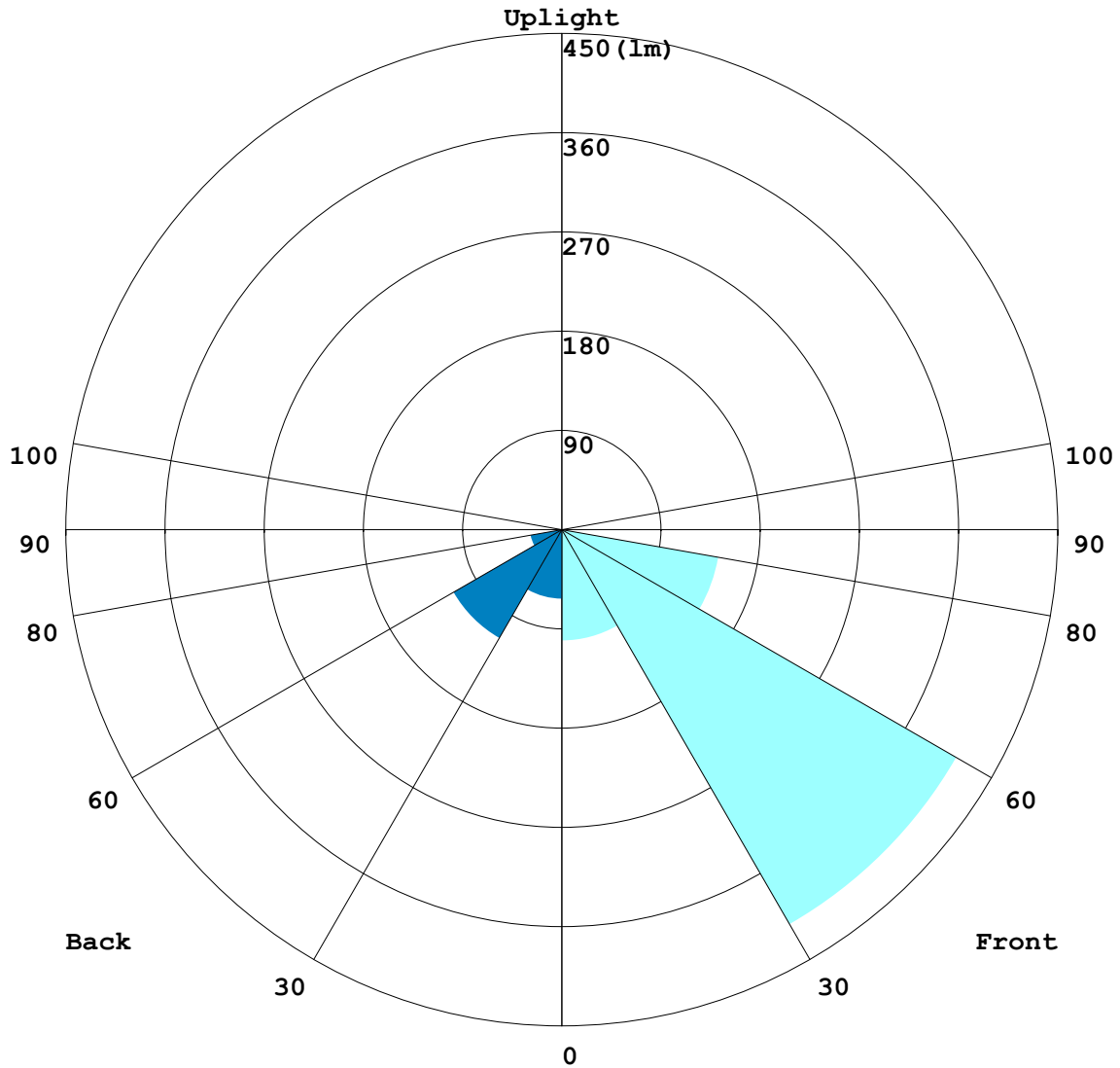
Checker: LI

Assessor:

LCS REPORT

Test:U:2.4V I:2.110A P:5.0W PF:0.000 Freq:0Hz		
Lamp Flux:863.591x1 lm		
NAME: SL30-005-4070-R01207	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:WJH
 Test Date:2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

BUG REPORT

Test:U:2.4V I:2.110A P:5.0W PF:0.000 Freq:0Hz Lamp Flux:863.59lx1 lm		
NAME: SL30-005-4070-R01207	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	100.41	11.6
FM - Front-Medium(30-60)	413.18	47.8
FH - Front-High(60-80)	144.05	16.7
FVH - Front-Very High(80-90)	0.58336	0.1
Total Forward Light	658.23	76.2

BL - Back-Low(0-30)	62.522	7.2
BM - Back-Medium(30-60)	113.41	13.1
BH - Back-High(60-80)	28.75	3.3
BVH - Back-Very High(80-90)	0.67863	0.1
Total Back Light	205.36	23.8

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B0-U0-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	205.36	0	205.36
Street Side	658.23	0	658.23

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:WJH
 Test Date:2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

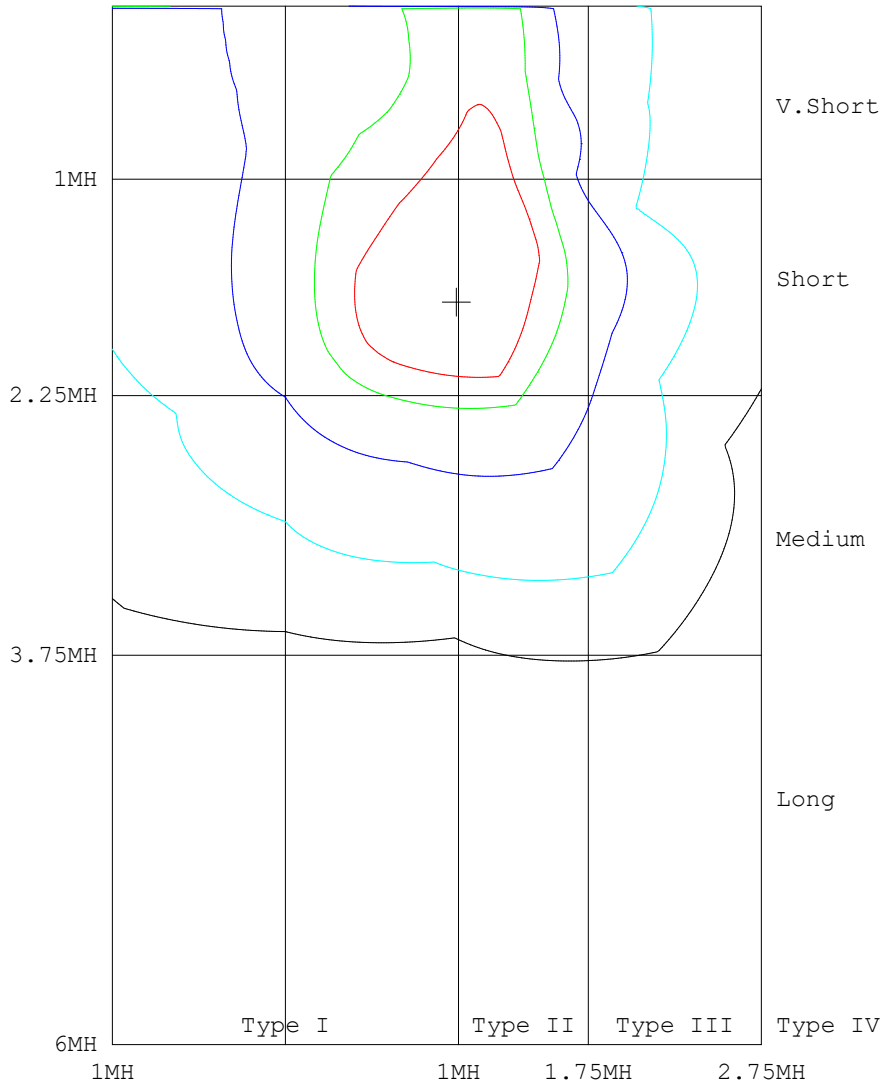
Checker: LI

Assessor:

ROAD ISOCANDELA REPORT

Test:U:2.4V I:2.110A P:5.0W PF:0.000 Freq:0Hz Lamp Flux:863.591x1 lm		
NAME: SL30-005-4070-R01207	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



<p>C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3°C Operators: WJH Test Date: 2024-07-15</p> <p>Checker: LI</p>	<p>Pavement: 48.39 Road: 320.28 C Range: 120.11 - 90DEG C Interval: 0.5DEG Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.487 Humidity: 65.0% Test Distance: 9.840m [K=1.0000] Remarks:</p> <p>Assessor:</p>
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LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

γ (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193
5	194	199	202	205	207	208	208	207	205	203	200	197	192	187	182	179	176	175	175
10	198	208	214	218	220	221	221	219	217	214	210	204	194	183	173	166	162	159	159
15	202	218	227	230	231	234	237	232	228	226	223	213	197	177	163	152	145	141	141
20	205	229	240	240	244	250	257	249	240	237	236	223	198	169	149	138	131	129	128
25	209	243	255	252	258	267	279	266	254	248	250	234	199	158	137	127	121	119	118
30	215	260	273	269	273	285	301	284	269	264	267	248	202	147	126	117	112	110	110
35	223	283	298	293	295	312	328	311	290	287	289	268	207	137	116	107	102	100	101
40	233	311	330	328	333	347	355	346	326	319	318	291	213	129	105	96.7	91.0	88.9	90.7
45	245	343	371	375	381	394	396	391	377	363	354	319	219	123	94.7	84.6	79.5	77.3	79.4
50	260	389	429	443	447	425	404	425	444	429	408	360	228	117	83.1	72.3	66.4	63.1	64.2
55	278	449	510	541	453	324	254	325	451	529	491	417	235	106	68.6	57.7	52.1	48.8	49.3
60	278	513	605	570	284	62.3	46.8	65.2	288	566	595	479	223	79.3	50.1	42.0	38.9	37.5	37.8
65	197	467	624	407	40.1	32.7	31.1	32.6	44.1	414	620	428	156	43.4	31.8	30.0	29.4	30.0	30.4
70	52.5	159	310	93.6	24.7	22.7	22.1	22.3	24.4	95.0	271	122	44.7	24.9	20.7	21.0	21.9	22.1	22.4
75	15.1	22.9	41.2	15.8	14.1	12.8	11.5	12.3	13.2	14.5	34.6	17.0	14.2	14.8	11.4	12.2	12.4	11.3	11.4
80	4.28	4.95	6.30	5.31	4.98	4.62	4.11	4.23	4.22	4.38	4.45	3.48	3.43	3.71	4.12	3.78	3.82	3.27	3.64
85	0.70	0.39	0.45	0.32	0.35	0.35	0.30	0.29	0.30	0.32	0.30	0.32	0.54	0.81	0.85	0.73	0.44	0.23	0.26
90	0.70	0.39	0.20	0.17	0.17	0.16	0.15	0.15	0.17	0.17	0.20	0.41	0.69	0.99	1.09	0.93	0.66	0.29	0.23

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: WJH
 Test Date: 2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345																			
0	193	193	193	193	193																			
5	176	177	180	184	189																			
10	160	163	168	176	186																			
15	142	146	154	165	181																			
20	129	132	139	152	173																			
25	119	122	128	139	162																			
30	110	113	118	127	152																			
35	102	104	108	117	142																			
40	91.4	94.4	99.2	107	135																			
45	80.2	84.1	89.3	98.1	131																			
50	64.8	69.7	77.1	88.4	127																			
55	49.2	53.0	60.2	74.0	120																			
60	37.6	39.0	42.6	53.0	94.9																			
65	30.4	30.1	30.9	33.1	49.4																			
70	23.0	23.1	22.4	22.5	26.4																			
75	12.0	13.5	13.7	13.4	17.1																			
80	3.75	4.75	4.90	5.40	5.73																			
85	0.29	0.51	0.91	0.98	0.87																			
90	0.30	0.64	0.92	1.03	0.90																			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: WJH
 Test Date: 2024-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.487
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

Checker: LI

Assessor: