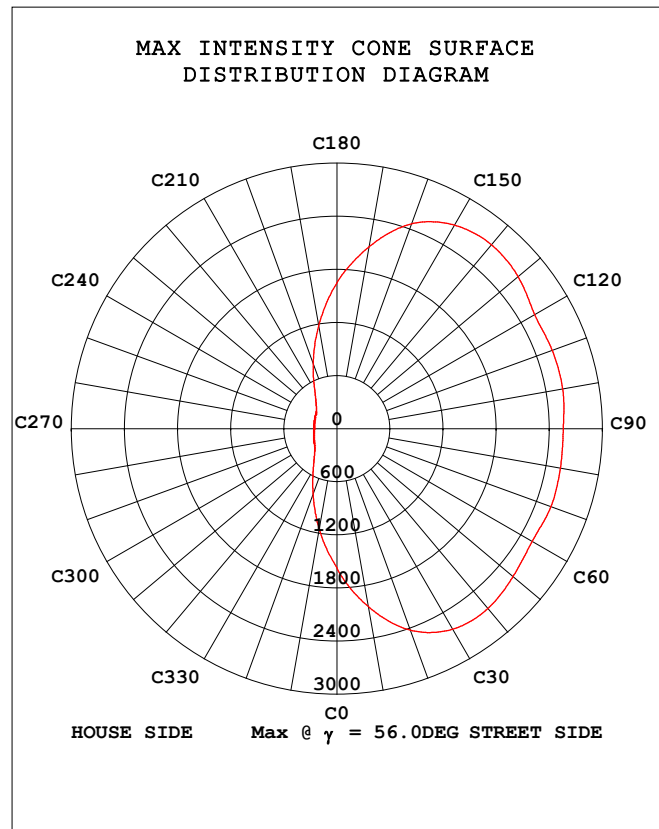
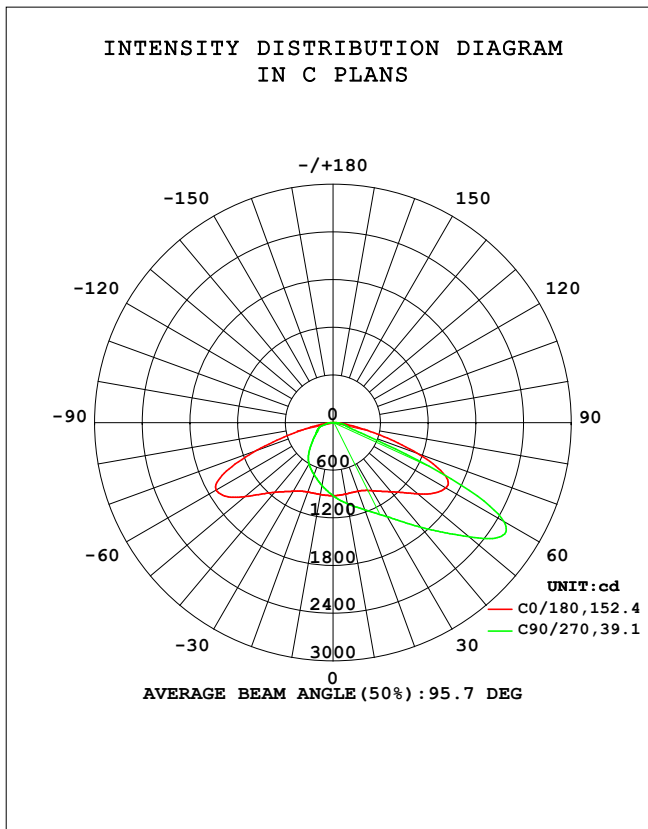


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.2V I:0.1886A P:39.99W PF:0.9211 Lamp Flux:5206.47x1 lm		
NAME: 230-004	TYPE:40W	WEIGHT:
SPEC.:RAL7024	DIM.:	SERIAL No.:
MFR.:	SUR.:0.265*0.085	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.21 lm/W			
MODEL	3030	Imax(cd)	2715	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	73.5
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5207	η house_up(%)	0.0
NOMINAL FLUX(lm)	5206.47	MAXIMUM @ (C, γ)	140,56.0	η house_down(%)	26.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230	η down(%)	100.0	SLI	



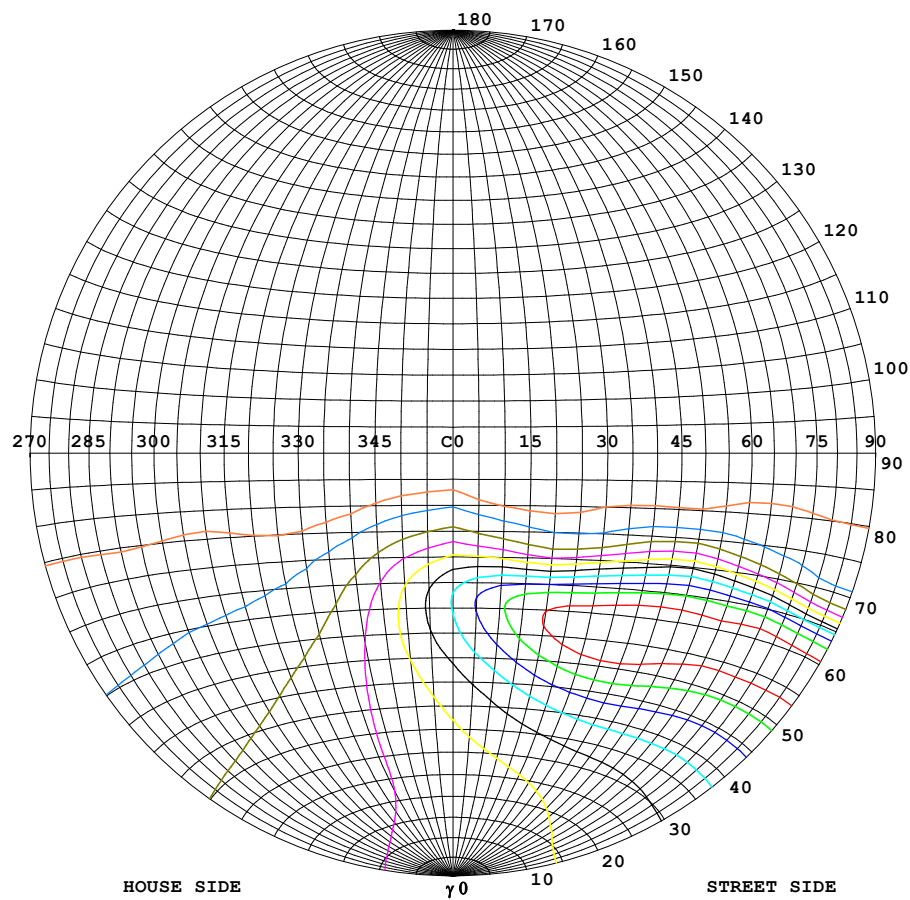
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Checker: LI
Note: SLI:Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type III - Short

CIE:Broad - Short

IES:Cut-off

CIE:Semi-cut-off

Max.At80:48.74cd/klm

Max.At90:3.549cd/klm

Max.80-90:48.74cd/klm

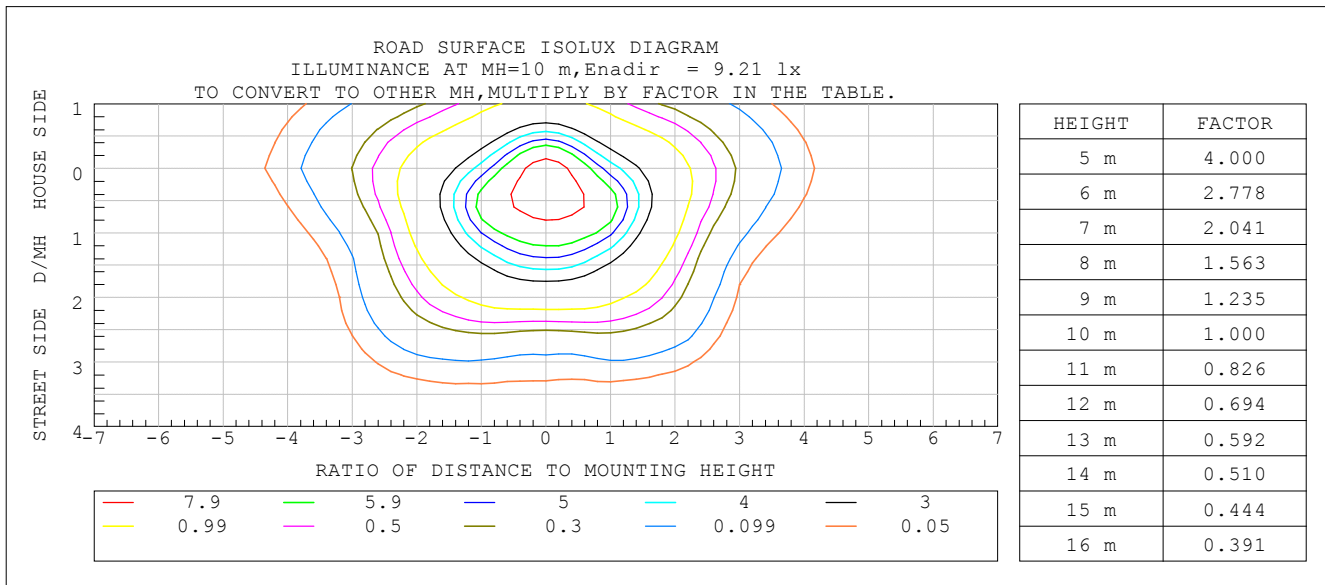
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2715
90%	2444
80%	2172
70%	1901
60%	1629
50%	1358
40%	1086
30%	815
20%	543
10%	272
5%	136

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-17

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-01-17

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Assessor:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	918.3	960.4	978.4	960.7	920.3	878.7	862.3	878.7	0- 5	22.00	22.00	0.42,0.42
10	914.3	997.7	1035	1001	919.6	836.6	806.6	837.3	5- 10	65.75	87.74	1.69,1.69
15	912.7	1037	1097	1043	922.0	794.7	750.7	795.9	10- 15	109.0	196.7	3.78,3.78
20	919.5	1082	1167	1096	930.6	753.9	699.8	757.0	15- 20	151.9	348.7	6.7,6.7
25	942.4	1150	1256	1173	952.9	716.7	653.7	723.3	20- 25	196.1	544.7	10.5,10.5
30	990.6	1270	1369	1306	998.2	681.3	605.6	692.3	25- 30	244.4	789.2	15.2,15.2
35	1057	1466	1523	1505	1061	642.7	545.1	657.7	30- 35	300.8	1090	20.9,20.9
40	1137	1713	1720	1759	1147	593.4	467.9	611.8	35- 40	366.6	1457	28,28
45	1247	2014	1952	2083	1273	525.2	388.8	546.7	40- 45	443.2	1900	36.5,36.5
50	1396	2352	2236	2446	1451	437.3	326.0	462.6	45- 50	534.4	2434	46.7,46.8
55	1549	2605	2526	2689	1626	346.5	273.0	373.8	50- 55	632.3	3066	58.9,58.9
60	1641	2597	2482	2594	1698	274.9	242.5	299.9	55- 60	696.3	3763	72.3,72.3
65	1544	2144	1488	2009	1514	228.2	217.4	245.9	60- 65	653.5	4416	84.8,84.8
70	1125	1294	341.5	1074	1020	188.5	185.4	203.6	65- 70	438.3	4855	93.2,93.2
75	618.3	449.4	178.2	301.6	505.2	132.2	128.7	145.1	70- 75	204.5	5059	97.2,97.2
80	253.8	141.7	132.0	121.4	191.6	68.49	74.39	82.50	75- 80	90.28	5149	98.9,98.9
85	81.46	72.94	62.89	59.72	50.34	27.82	32.24	36.46	80- 85	43.50	5193	99.7,99.7
90	4.656	16.59	10.39	5.845	3.427	4.668	4.210	4.563	85- 90	13.91	5207	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

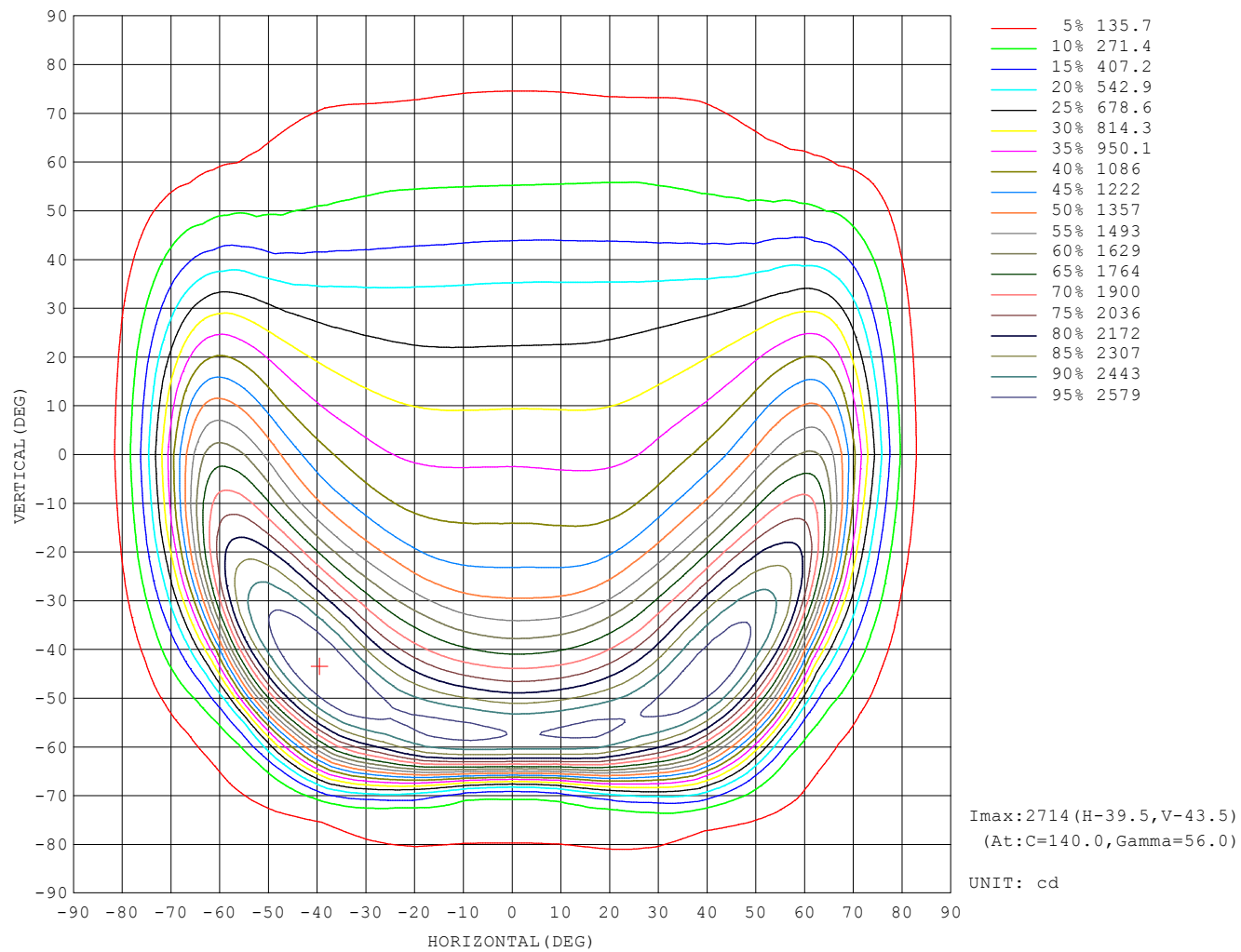
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-17

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

ISOCANDELA DIAGRAM



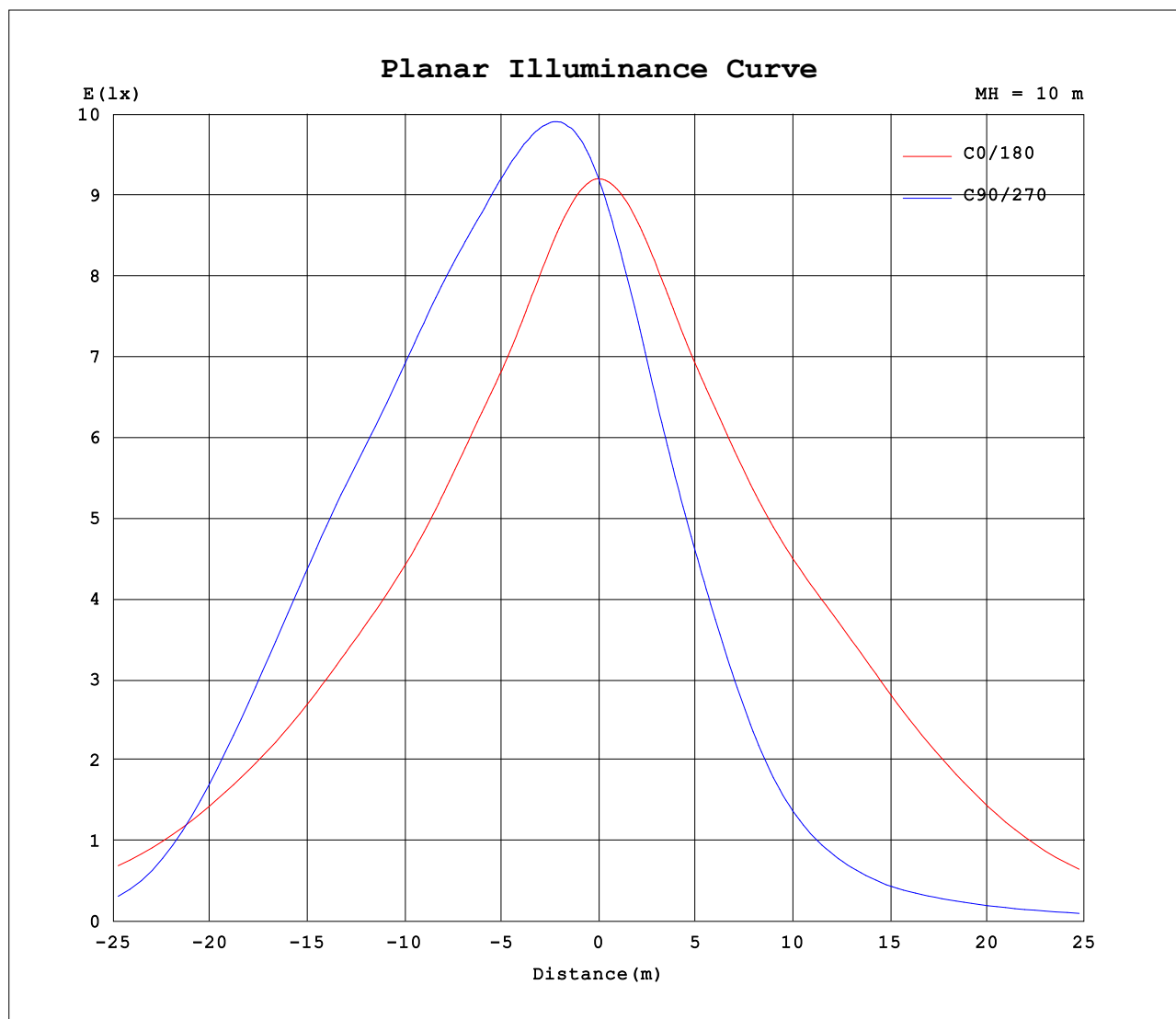
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-01-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-01-17

Checker: LI

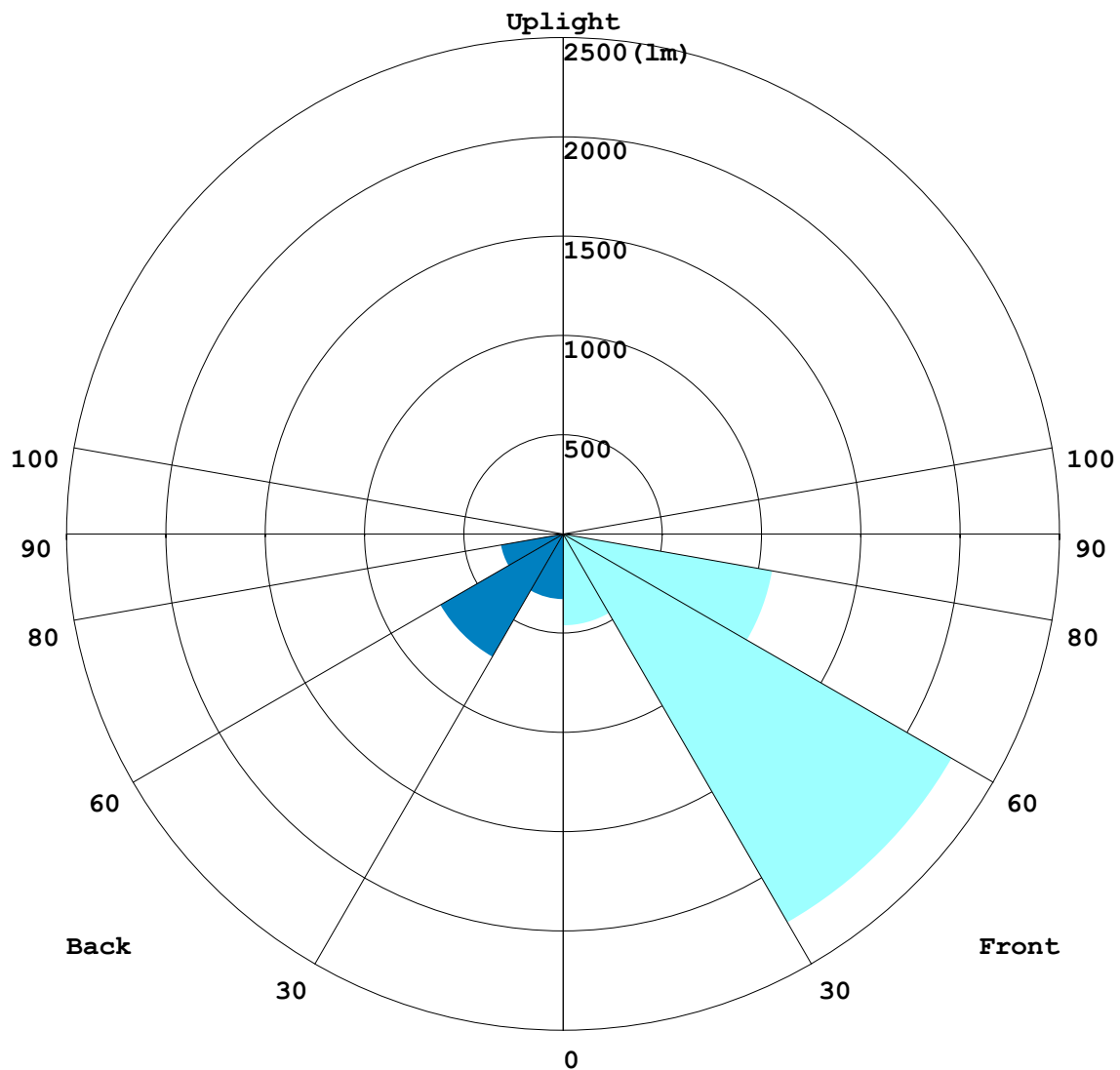
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Assessor:

LCS REPORT

Test:U:230.2V I:0.1886A P:39.99W PF:0.9211 Lamp Flux:5206.47x1 lm		
NAME: 230-004	TYPE:40W	WEIGHT:
SPEC.:RAL7024	DIM.:	SERIAL No.:
MFR.:	SUR.:0.265*0.085	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-17

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

BUG REPORT

Test:U:230.2V I:0.1886A P:39.99W PF:0.9211 Lamp Flux:5206.47x1 lm		
NAME: 230-004	TYPE:40W	WEIGHT:
SPEC.:RAL7024	DIM.:	SERIAL No.:
MFR.:	SUR.:0.265*0.085	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	459.92	8.8
FM - Front-Medium(30-60)	2259.3	43.4
FH - Front-High(60-80)	1069.6	20.5
FVH - Front-Very High(80-90)	35.773	0.7
Total Forward Light	3824.6	73.5

BL - Back-Low(0-30)	329.26	6.3
BM - Back-Medium(30-60)	714.22	13.7
BH - Back-High(60-80)	316.97	6.1
BVH - Back-Very High(80-90)	21.644	0.4
Total Back Light	1382.1	26.5

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1382.1	0	1382.1
Street Side	3824.6	0	3824.6

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-17

Checker: LI

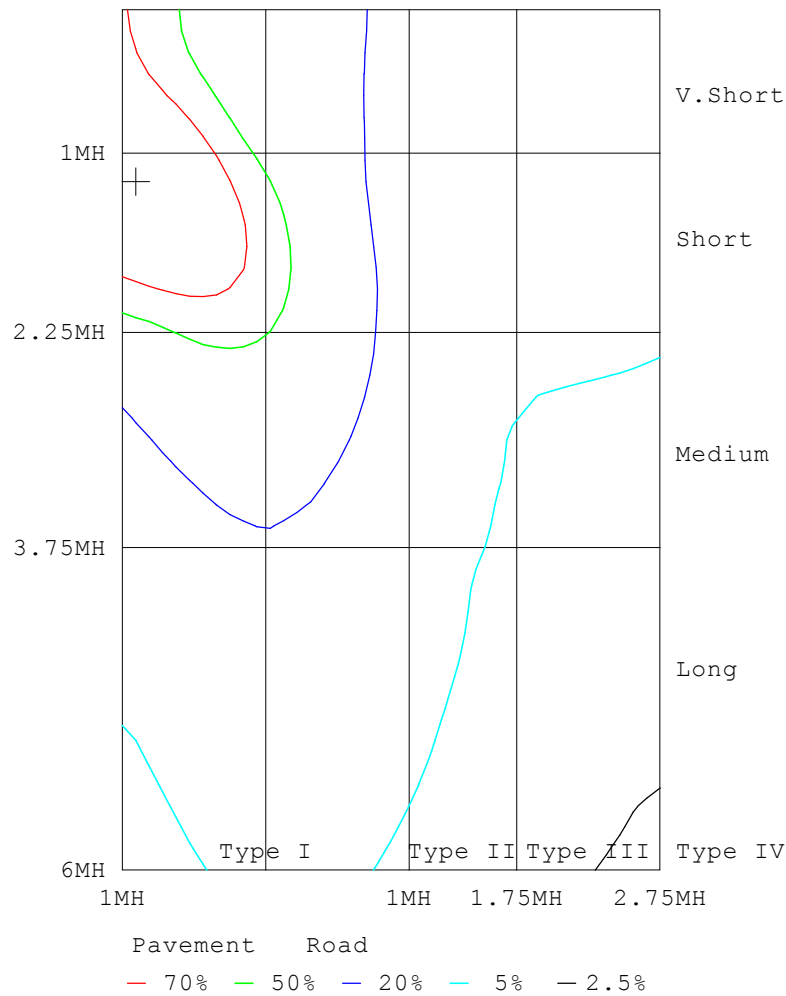
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.2V I:0.1886A P:39.99W PF:0.9211 Lamp Flux:5206.47x1 lm		
NAME: 230-004	TYPE:40W	WEIGHT:
SPEC.:RAL7024	DIM.:	SERIAL No.:
MFR.:	SUR.:0.265*0.085	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-17

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

Assessor:

Assessor:

Assessor:

UNIT: cd

Assessor: