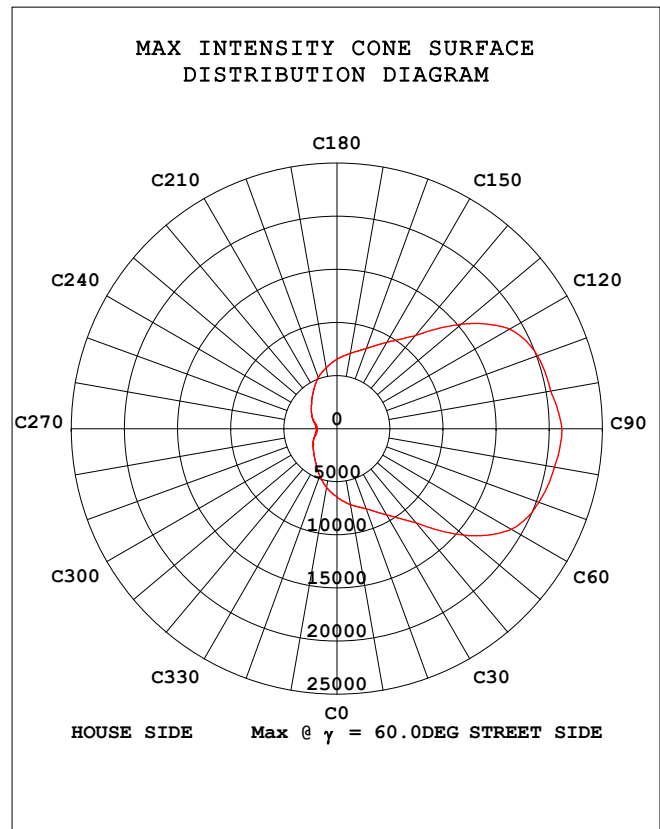
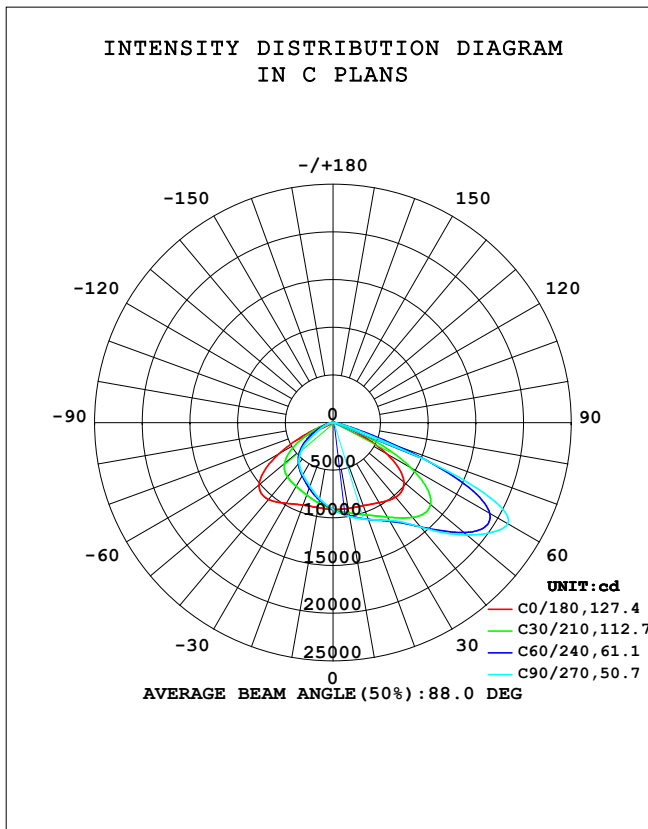


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:1.320A P:298.1W PF:0.9821 Lamp Flux:38198.5x1 lm		
NAME: FL23-300-5070-F38401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.336*0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.15 lm/W			
MODEL	RF303	Imax(cd)	21170	η street_up(%)	0.0
NOMINAL POWER(W)	300	LOR(%)	100.0	η street_down(%)	68.9
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	38198	η house_up(%)	0.0
NOMINAL FLUX(lm)	38198.5	MAXIMUM @ (C, γ)	90,60.0	η house_down(%)	31.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230	η down(%)	100.0	SLI	



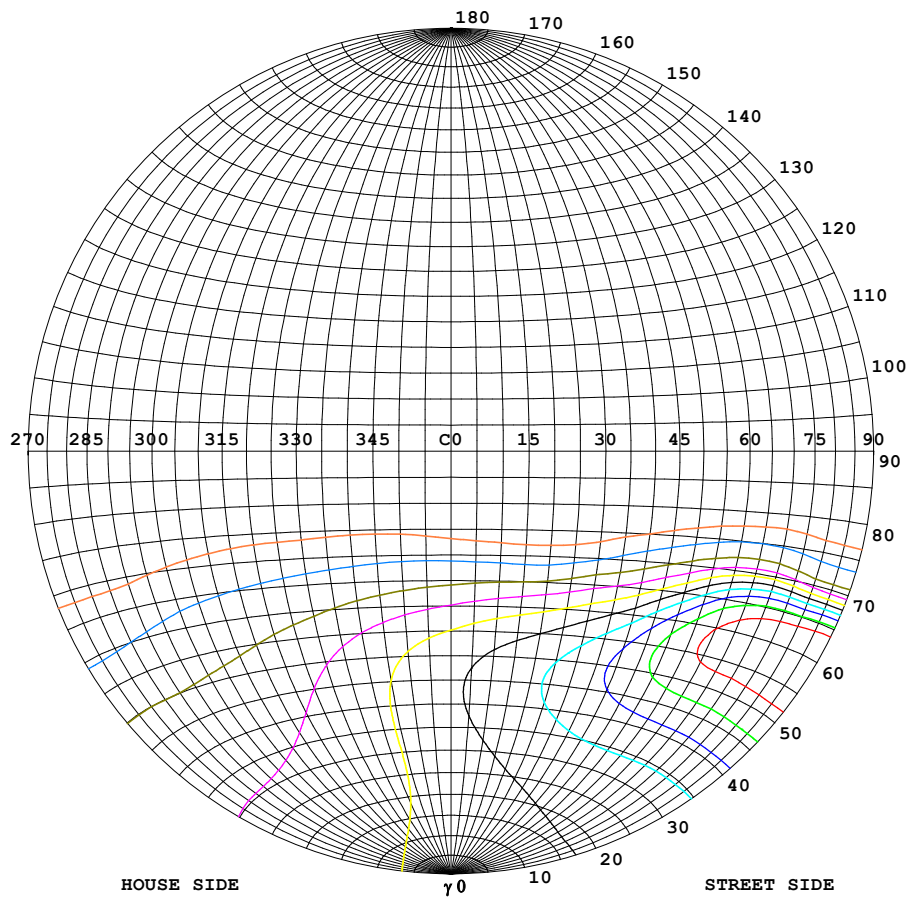
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

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 - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:17.50cd/klm
Max.At90:0cd/klm
Max.80-90:17.50cd/klm

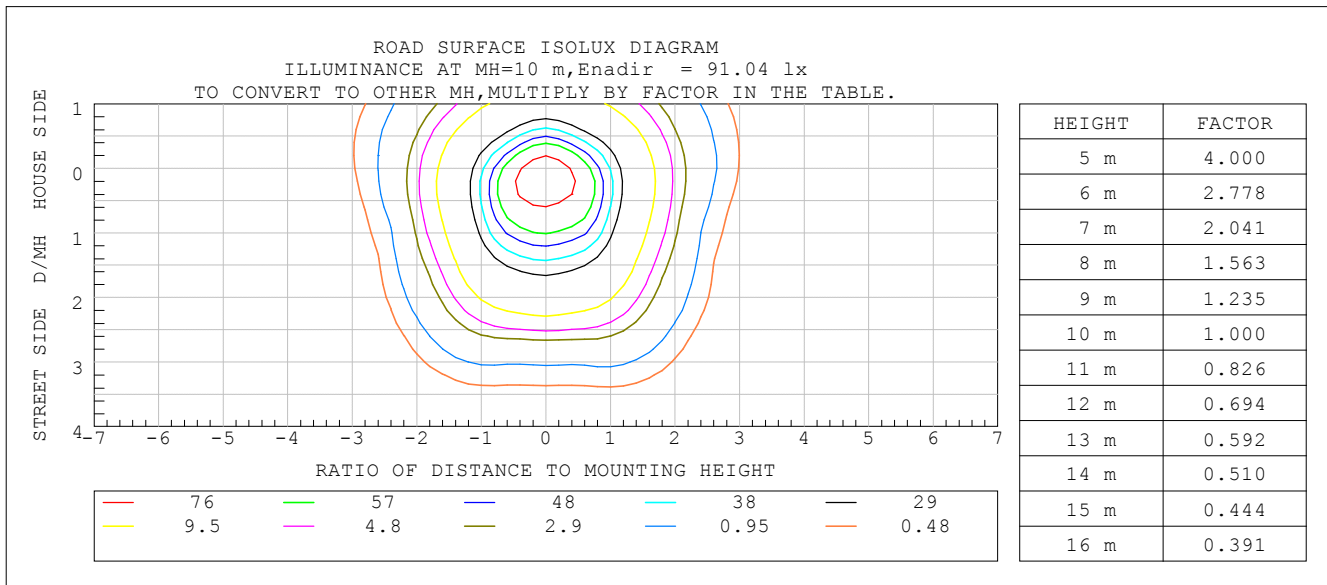
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	21170
90%	19053
80%	16936
70%	14819
60%	12702
50%	10585
40%	8468
30%	6351
20%	4234
10%	2117
5%	1058

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

Checker: LI

gamma Range: 0 - 90DEG
gamma 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: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-11-05

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	912.6	945.2	956.2	941.3	908.1	875.7	862.7	877.1	0- 5	217.6	217.6	0.57,0.57
10	914.4	981.1	999.3	971.2	906.7	839.9	813.3	840.9	5- 10	650.3	867.9	2.27,2.27
15	918.5	1020	1041	1003	910.0	802.1	761.8	801.6	10- 15	1077	1945	5.09,5.09
20	928.1	1064	1082	1042	921.4	763.6	712.3	761.1	15- 20	1496	3440	9.01,9.01
25	945.4	1116	1128	1091	944.4	726.5	671.4	722.4	20- 25	1914	5355	14,14
30	970.0	1185	1186	1163	978.5	692.2	636.0	686.9	25- 30	2344	7699	20.2,20.2
35	999.0	1279	1277	1264	1019	659.3	598.9	651.7	30- 35	2800	10499	27.5,27.5
40	1021	1397	1430	1393	1054	623.5	554.7	613.2	35- 40	3292	13791	36.1,36.1
45	1019	1525	1630	1532	1060	580.9	497.6	567.7	40- 45	3808	17599	46.1,46.1
50	970.8	1621	1834	1629	1012	523.5	421.1	506.5	45- 50	4268	21867	57.2,57.2
55	851.2	1595	2015	1586	880.0	442.8	302.5	419.4	50- 55	4523	26391	69.1,69.1
60	642.6	1351	2117	1330	656.3	340.1	195.4	312.8	55- 60	4391	30782	80.6,80.6
65	377.8	882.3	1746	887.5	397.6	234.4	134.4	215.8	60- 65	3716	34498	90.3,90.3
70	175.1	398.7	519.8	415.8	189.2	148.3	92.24	139.2	65- 70	2287	36786	96.3,96.3
75	78.27	128.4	145.9	144.4	82.54	79.33	58.80	75.43	70- 75	921.2	37707	98.7,98.7
80	31.25	39.85	50.08	45.75	34.04	31.38	28.99	29.09	75- 80	355.5	38062	99.6,99.6
85	7.151	8.532	11.57	9.977	8.621	7.877	7.798	6.694	80- 85	115.6	38178	99.9,99.9
90	0	0	0	0	0	0	0	0	85- 90	20.42	38198	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:×10cd									UNIT:lm		

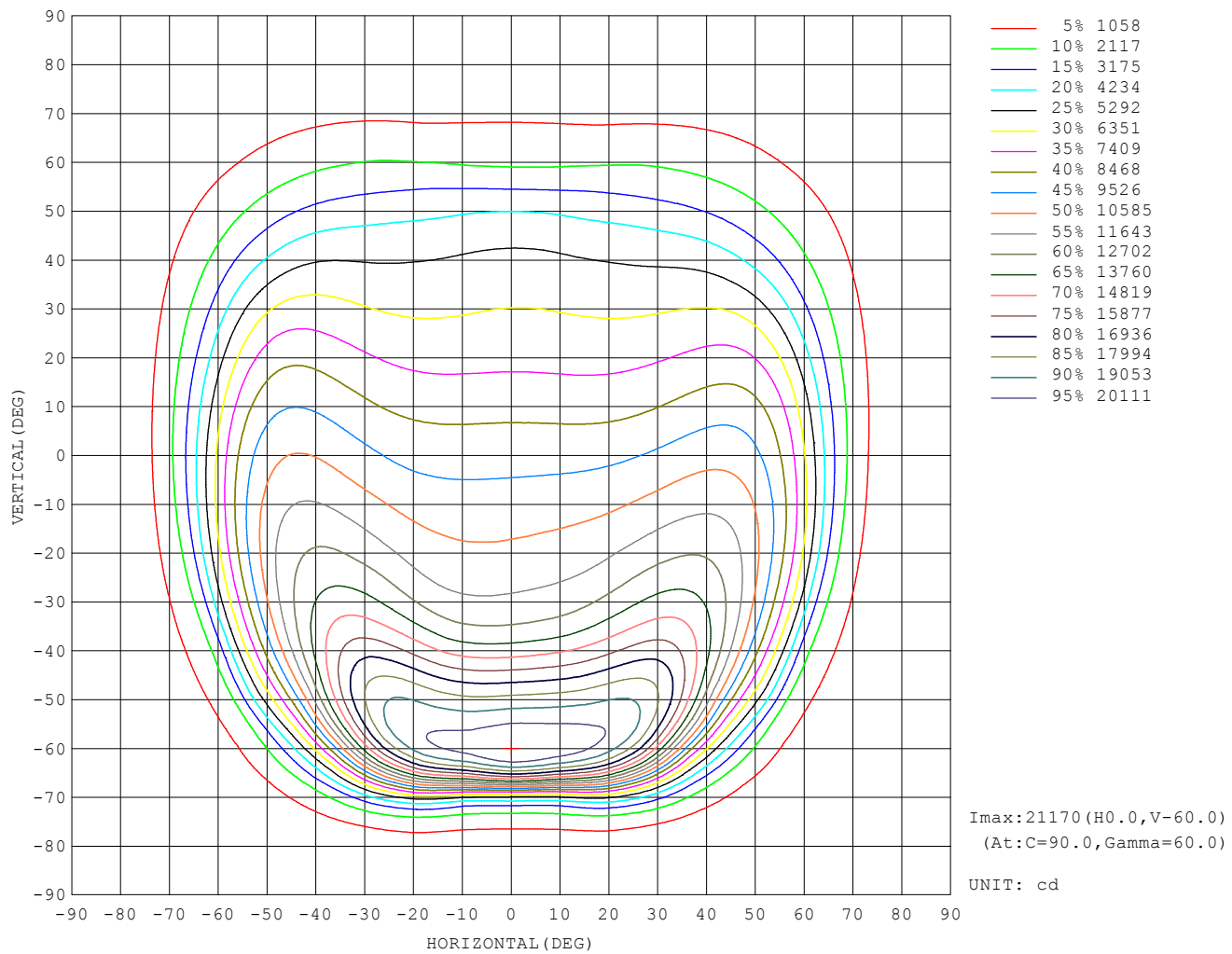
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

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



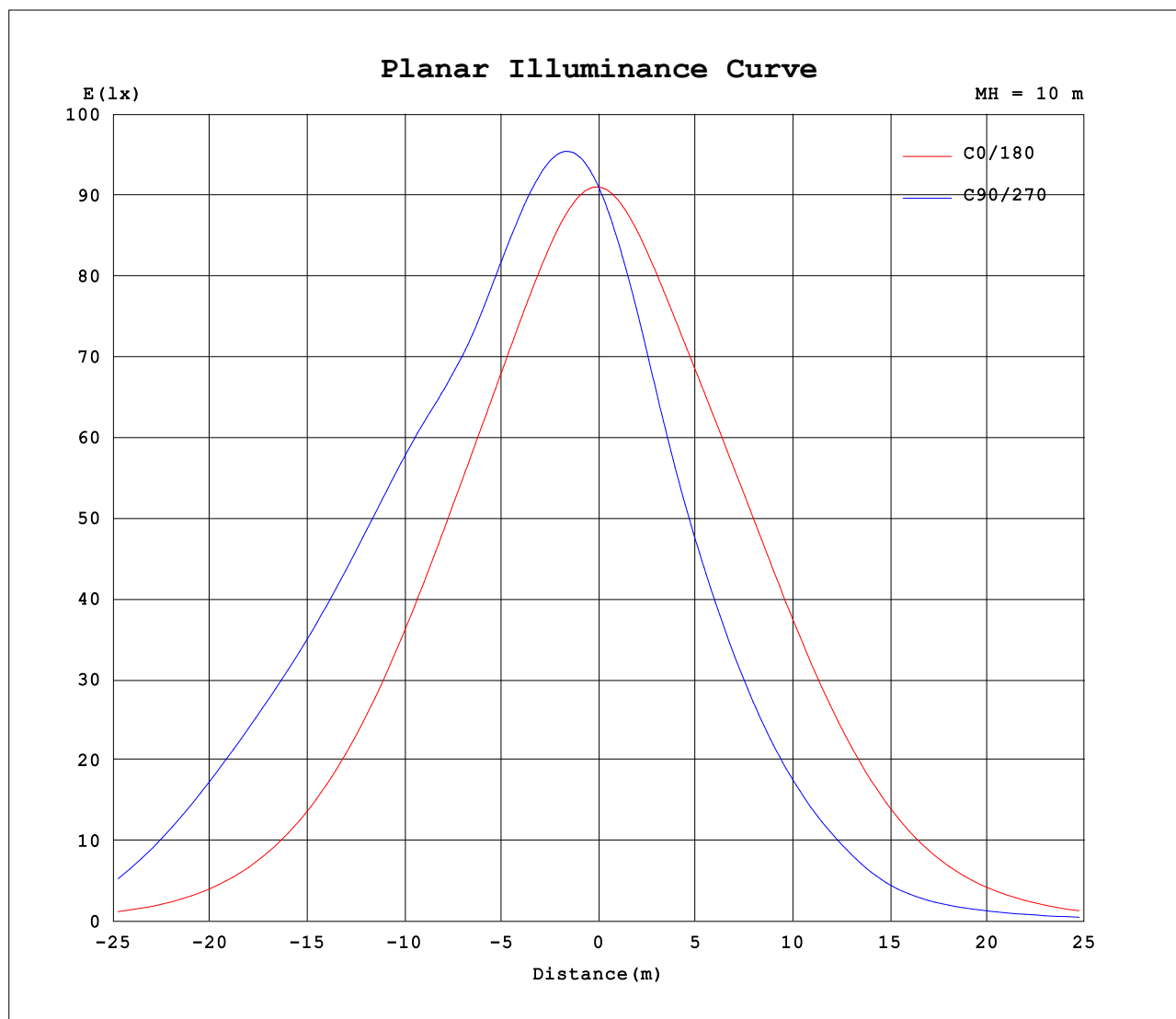
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-11-05

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: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-11-05

Checker: LI

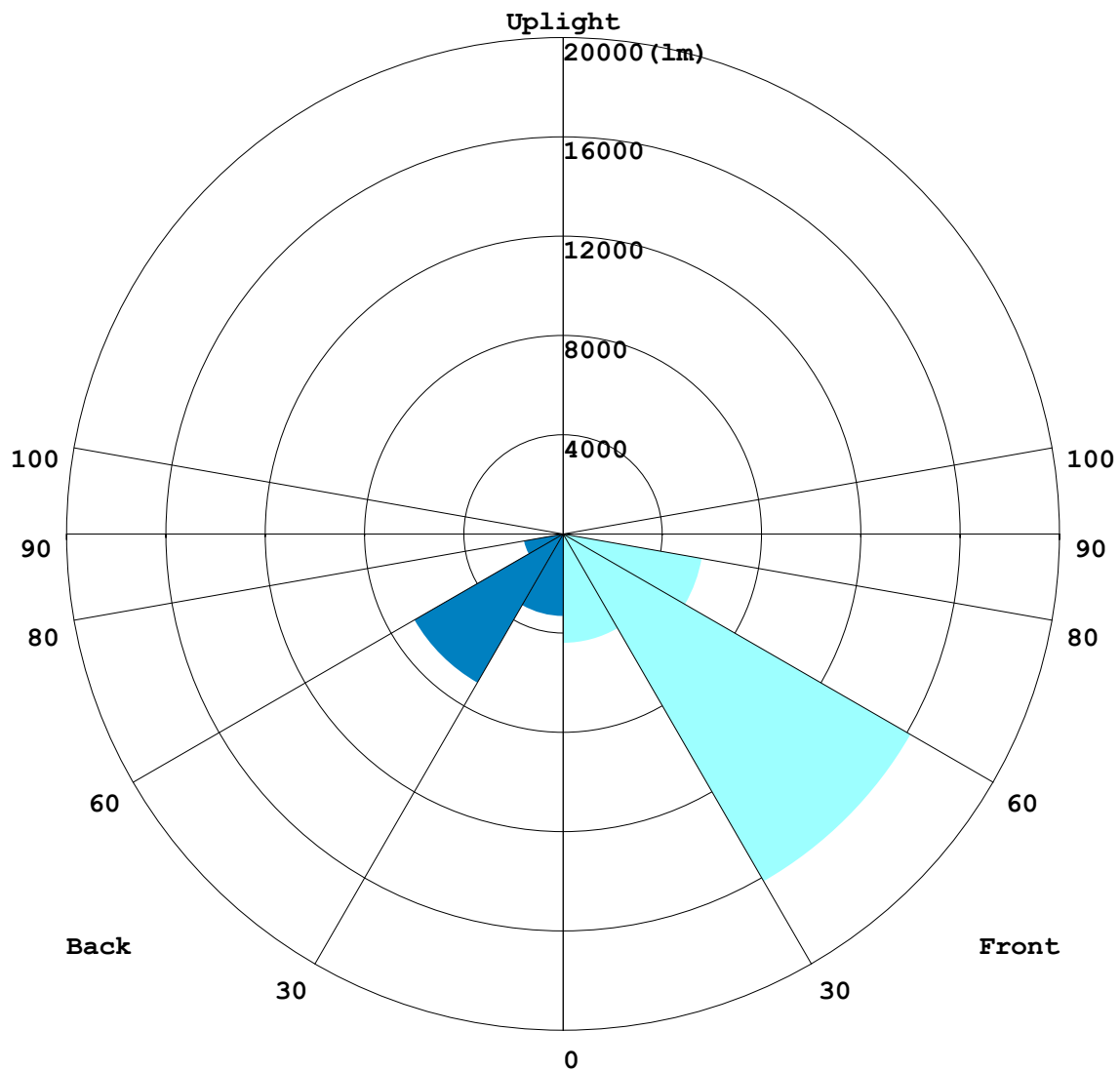
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Assessor:

LCS REPORT

Test:U:229.9V I:1.320A P:298.1W PF:0.9821 Lamp Flux:38198.5x1 lm		
NAME: FL23-300-5070-F38401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.336*0.22	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

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:229.9V I:1.320A P:298.1W PF:0.9821 Lamp Flux:38198.5x1 lm		
NAME: FL23-300-5070-F38401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.336*0.22	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4387.1	11.5
FM - Front-Medium(30-60)	16166	42.3
FH - Front-High(60-80)	5677.3	14.9
FVH - Front-Very High(80-90)	76.079	0.2
Total Forward Light	26306	68.9

BL - Back-Low(0-30)	3311.8	8.7
BM - Back-Medium(30-60)	6917.7	18.1
BH - Back-High(60-80)	1603	4.2
BVH - Back-Very High(80-90)	59.988	0.2
Total Back Light	11892	31.1

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	B4-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11892	0	11892
Street Side	26306	0	26306

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-11-05

Checker: LI

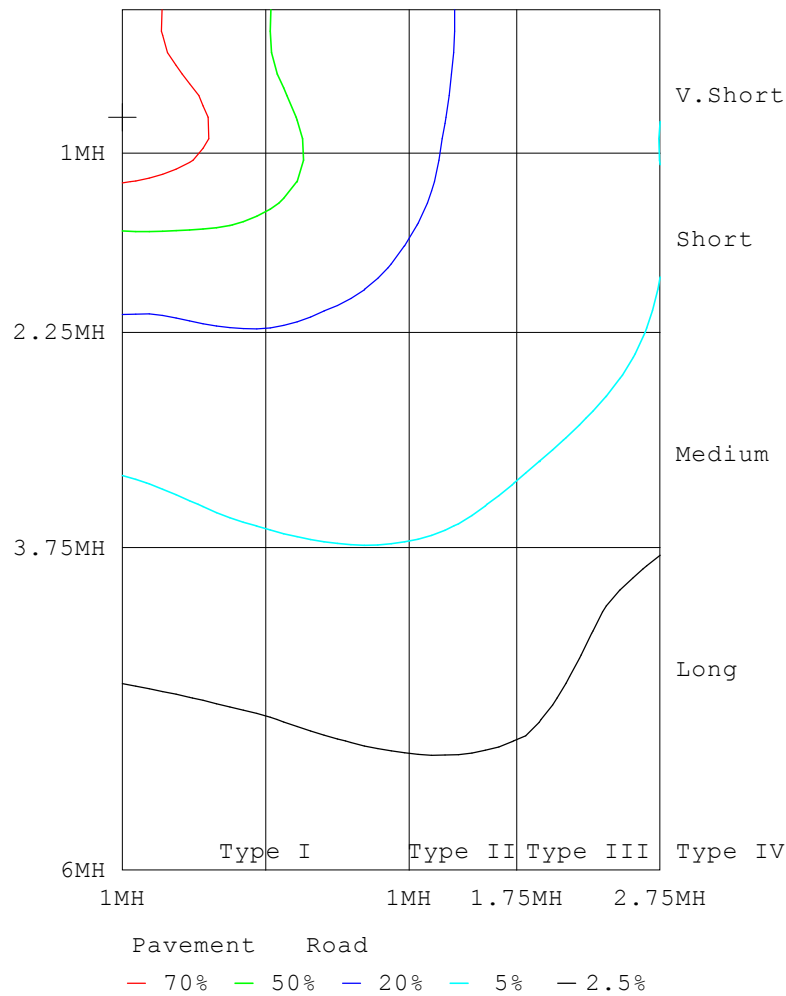
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:1.320A P:298.1W PF:0.9821 Lamp Flux:38198.5x1 lm		
NAME: FL23-300-5070-F38401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.336*0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

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: