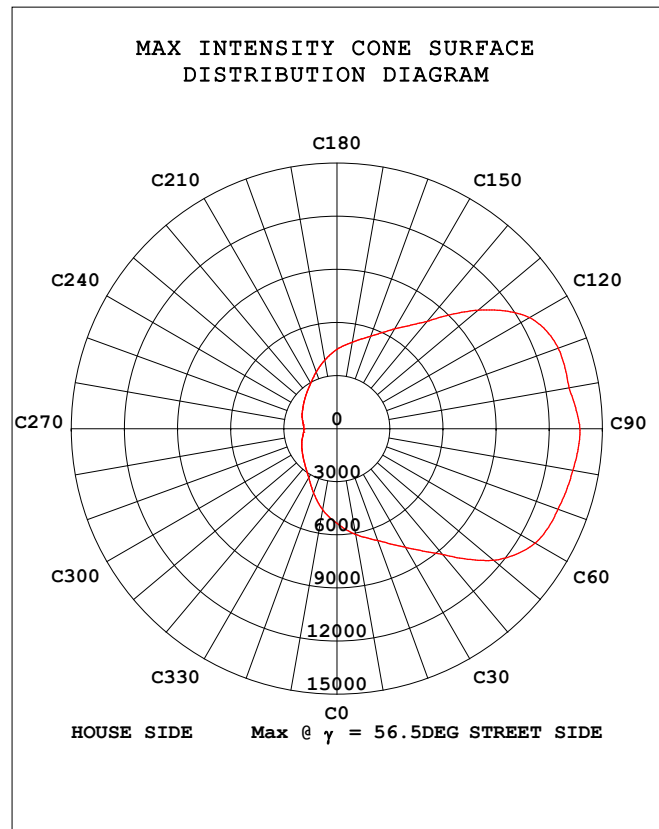
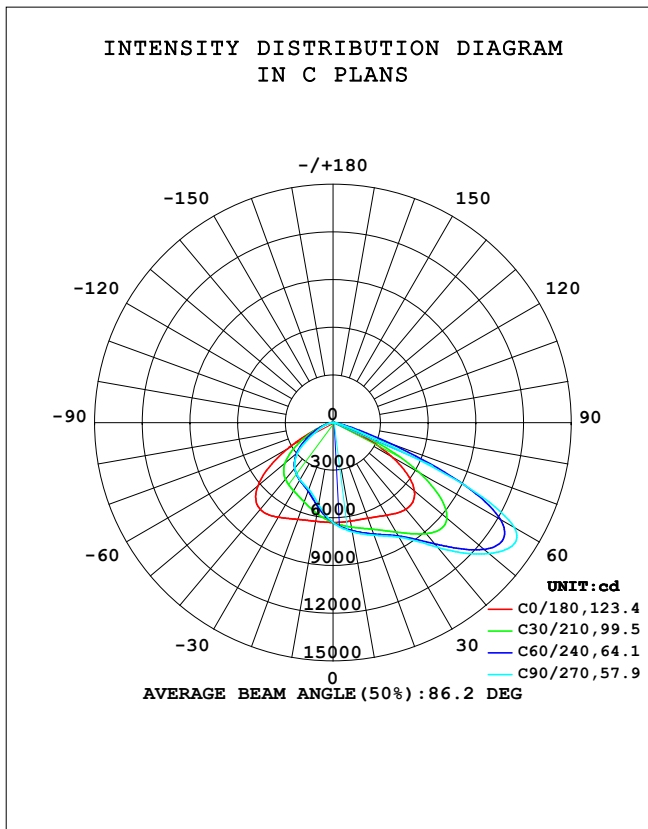


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.8691A P:198.4W PF:0.9926 Lamp Flux:24906.8x1 lm		
NAME: FL23-200-5070-F22401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.272*0.18	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.53 lm/W			
MODEL	RF303	Imax(cd)	13727	η street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	100.0	η street_down(%)	69.0
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	24907	η house_up(%)	0.0
NOMINAL FLUX(lm)	24906.8	MAXIMUM @ (C, γ)	90,56.5	η house_down(%)	31.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230	η down(%)	100.0	SLI	



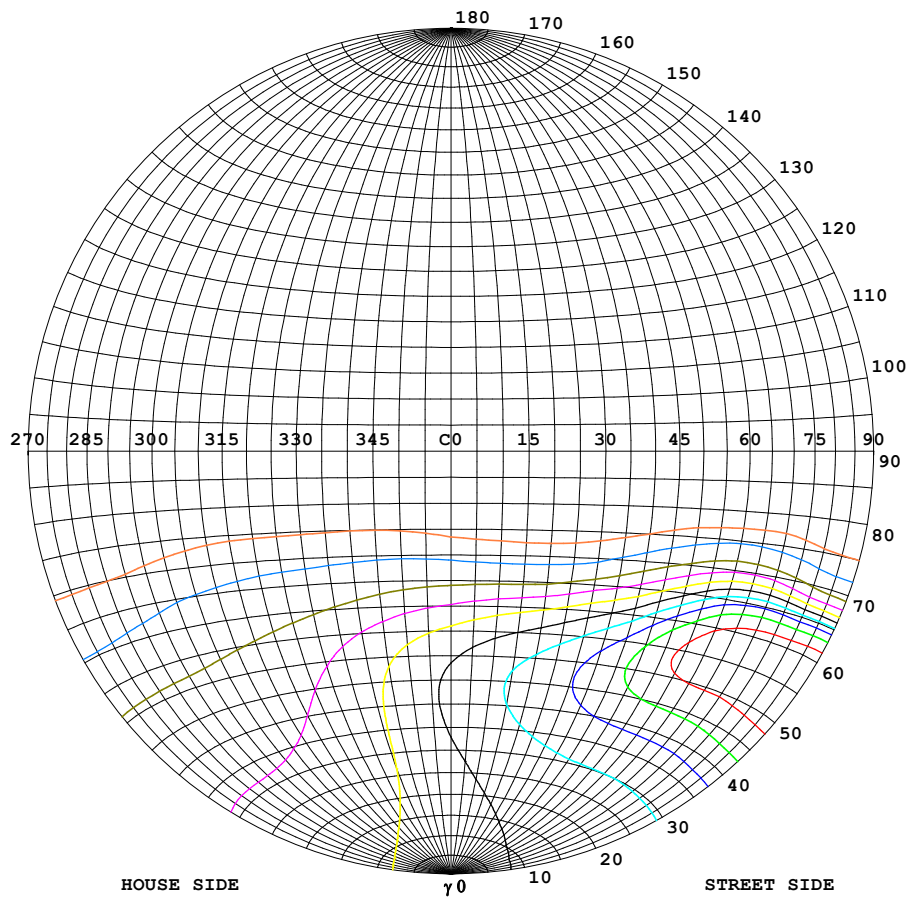
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

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 - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:13.31cd/klm
Max.At90:0cd/klm
Max.80-90:13.31cd/klm

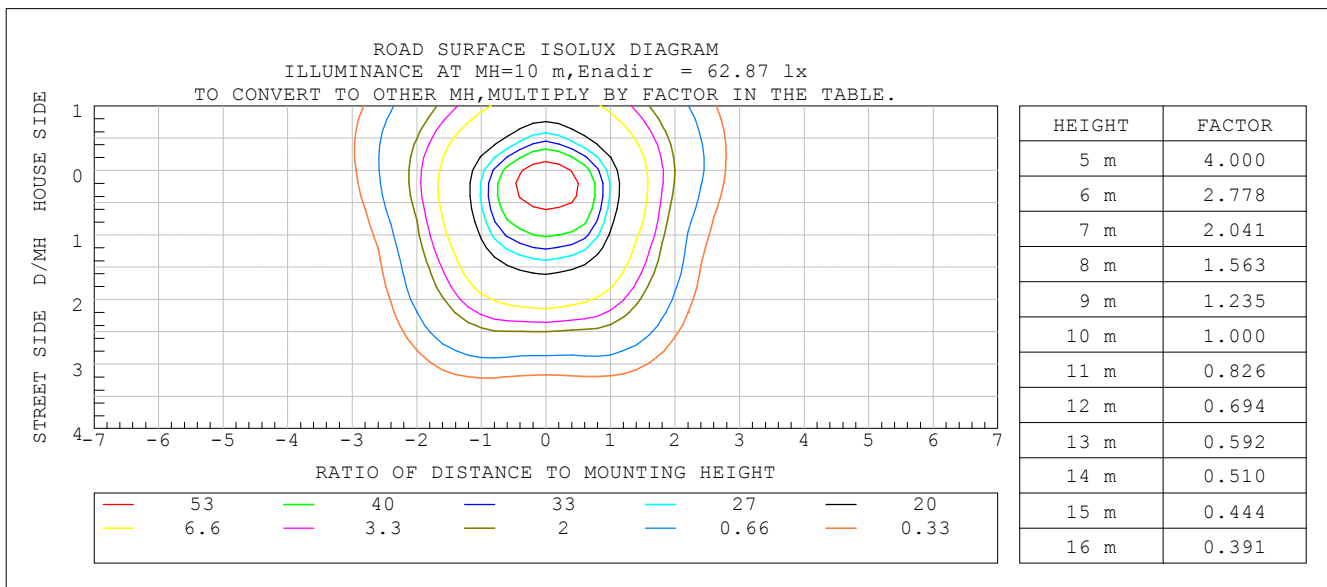
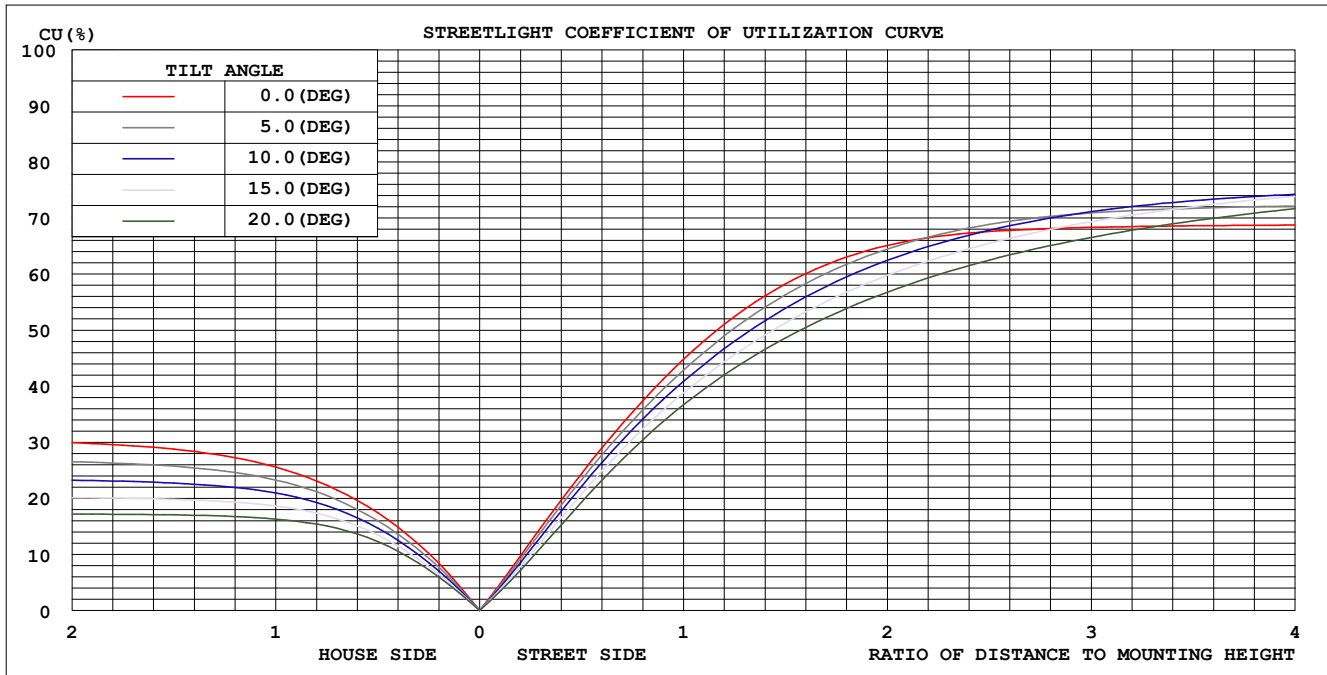
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	13727
90%	12355
80%	10982
70%	9609
60%	8236
50%	6864
40%	5491
30%	4118
20%	2745
10%	1373
5%	686

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:

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	629.1	656.0	666.3	656.9	628.9	596.6	580.9	595.5	0- 5	150.0	150.0	0.60,0.60
10	630.1	680.7	697.5	682.9	631.0	559.2	525.8	557.2	5- 10	445.9	595.9	2.39,2.39
15	633.2	705.7	725.9	710.4	636.9	520.0	478.9	517.9	10- 15	732.9	1329	5.34,5.34
20	640.6	734.0	754.6	743.5	648.4	485.4	449.1	483.7	15- 20	1015	2344	9.41,9.41
25	654.0	769.5	787.6	787.6	666.2	458.9	431.5	456.8	20- 25	1303	3647	14.6,14.6
30	673.3	819.0	833.1	849.1	688.1	439.3	416.2	436.1	25- 30	1606	5253	21.1,21.1
35	696.1	887.6	908.8	929.8	708.1	422.0	398.7	418.1	30- 35	1931	7184	28.8,28.8
40	712.7	975.9	1025	1023	713.1	402.3	375.2	398.5	35- 40	2284	9468	38,38
45	709.3	1071	1159	1100	687.9	375.7	339.8	373.1	40- 45	2637	12105	48.6,48.6
50	668.8	1130	1282	1103	617.5	333.6	288.4	334.8	45- 50	2914	15019	60.3,60.3
55	575.2	1086	1365	977.7	495.3	274.4	211.7	281.7	50- 55	3002	18020	72.4,72.4
60	421.3	880.3	1314	725.2	332.0	204.8	142.5	218.4	55- 60	2785	20806	83.5,83.5
65	241.3	542.1	851.3	421.8	179.1	139.5	95.88	156.3	60- 65	2148	22954	92.2,92.2
70	116.4	239.5	219.6	177.1	87.69	88.69	64.36	103.7	65- 70	1171	24125	96.9,96.9
75	54.50	84.09	68.32	66.98	41.68	46.10	39.27	58.39	70- 75	504.2	24629	98.9,98.9
80	22.32	24.75	22.61	18.35	16.04	17.61	18.85	22.55	75- 80	205.1	24834	99.7,99.7
85	5.259	4.755	3.807	2.821	2.888	3.753	4.617	5.439	80- 85	63.02	24897	100,100
90	0	0	0	0	0	0	0	0	85- 90	9.324	24907	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		

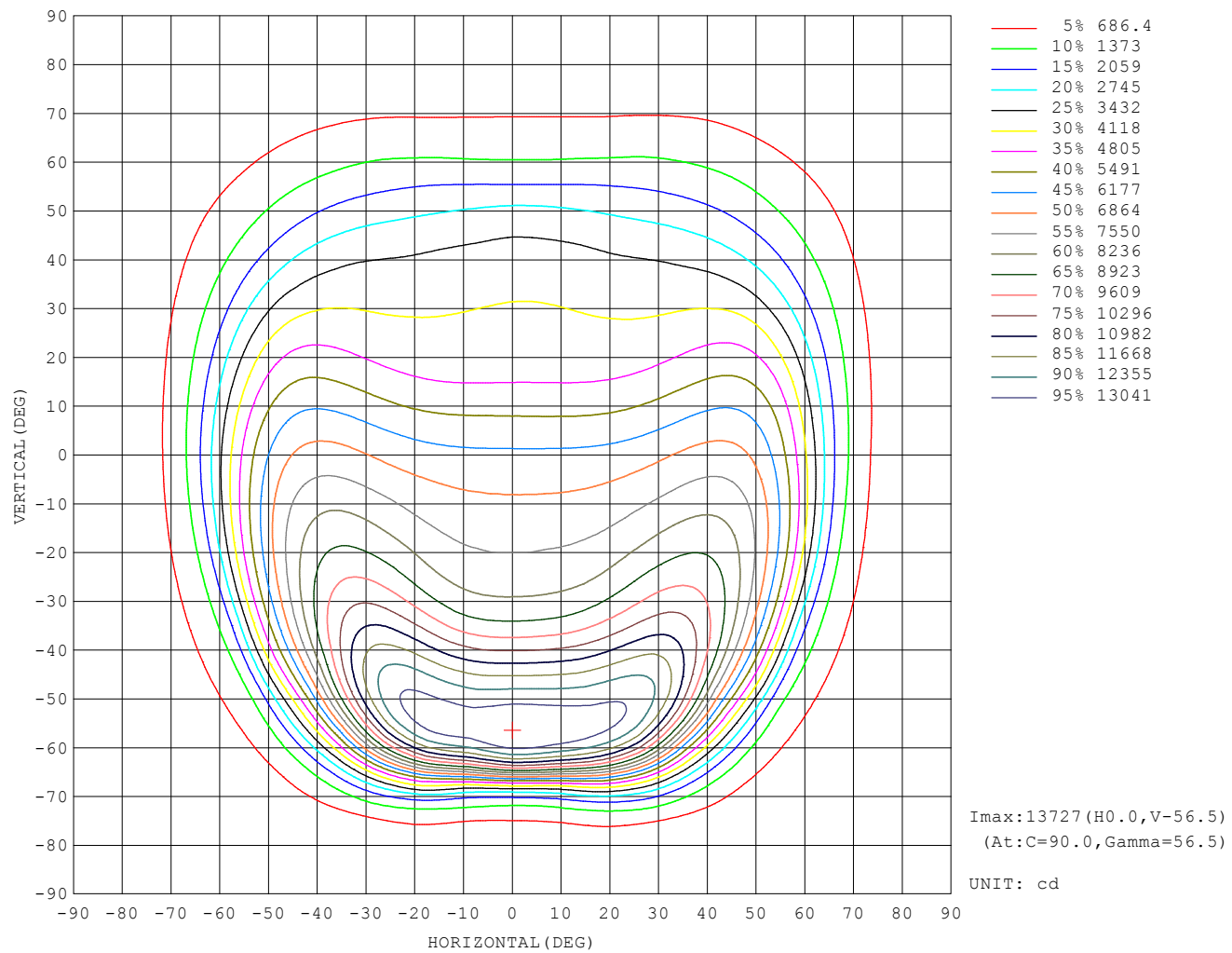
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

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



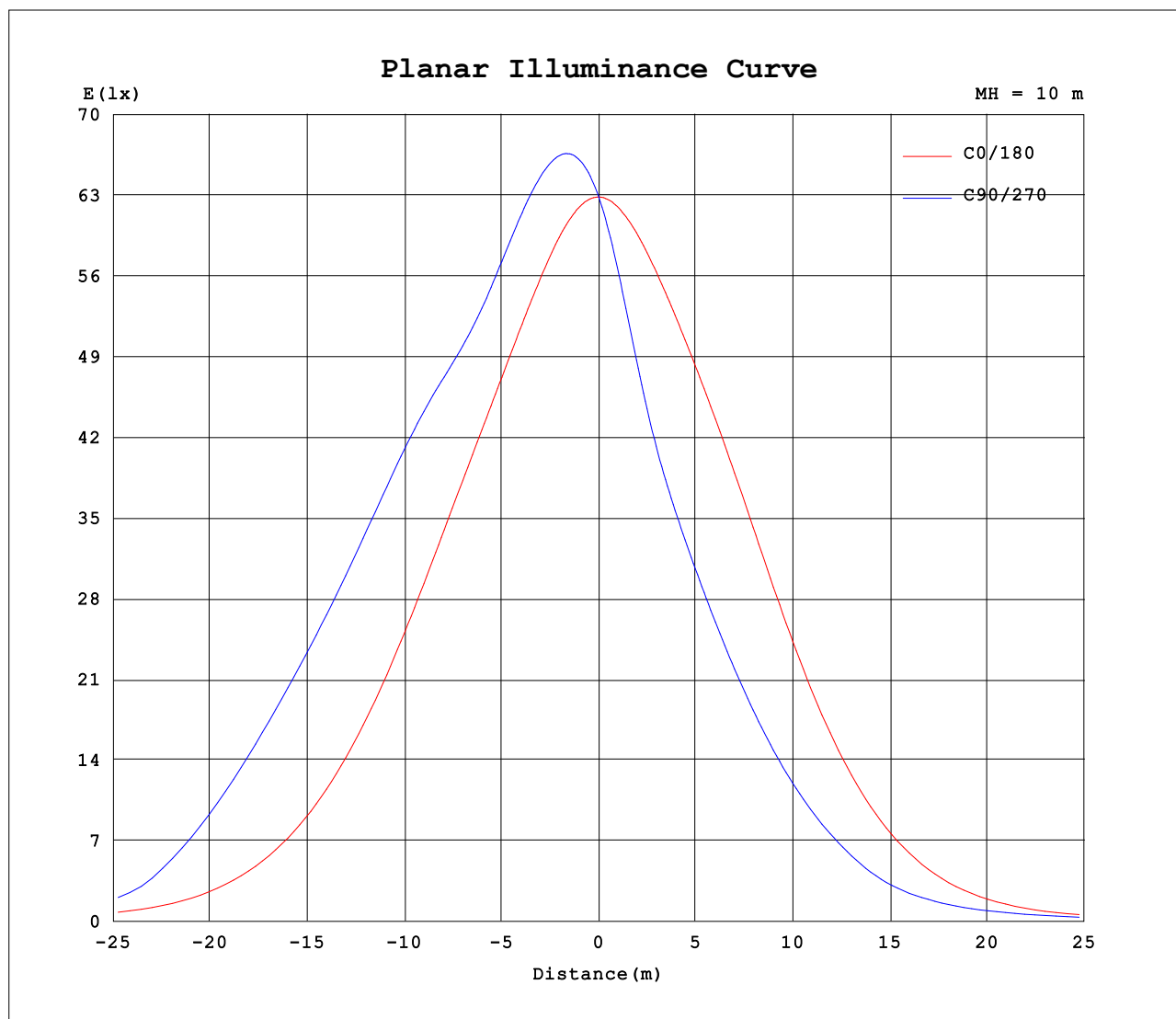
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-11-05

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

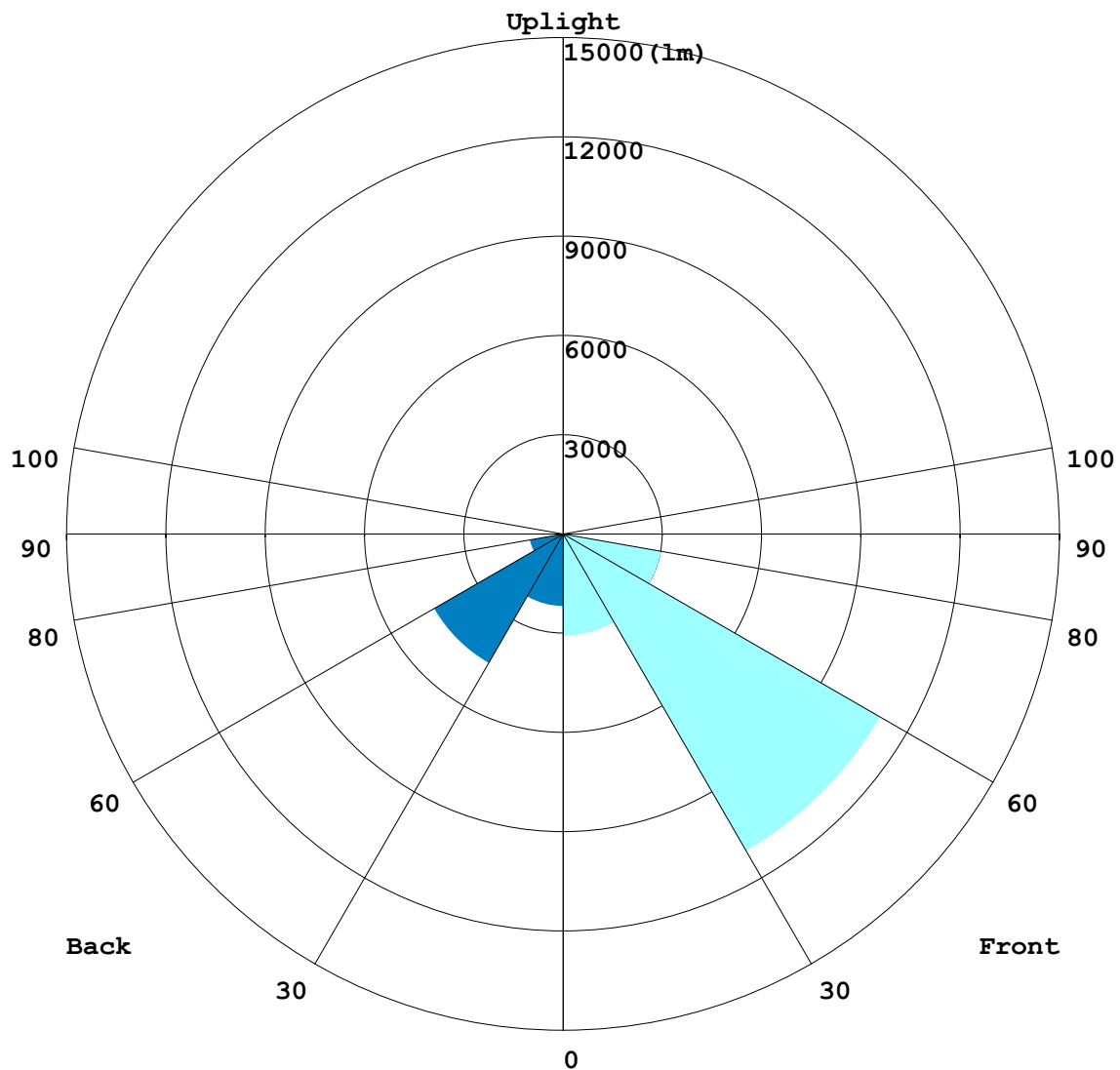
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Assessor:

LCS REPORT

Test:U:230.0V I:0.8691A P:198.4W PF:0.9926 Lamp Flux:24906.8x1 lm		
NAME: FL23-200-5070-F22401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.272*0.18	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:230.0V I:0.8691A P:198.4W PF:0.9926 Lamp Flux:24906.8x1 lm		
NAME: FL23-200-5070-F22401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.272*0.18	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3077.5	12.4
FM - Front-Medium(30-60)	11055	44.4
FH - Front-High(60-80)	3011.6	12.1
FVH - Front-Very High(80-90)	34.963	0.1
Total Forward Light	17179	69.0

BL - Back-Low(0-30)	2175.5	8.7
BM - Back-Medium(30-60)	4497.6	18.1
BH - Back-High(60-80)	1017	4.1
BVH - Back-Very High(80-90)	37.384	0.2
Total Back Light	7727.5	31.0

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	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7727.5	0	7727.5
Street Side	17179	0	17179

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

Checker: LI

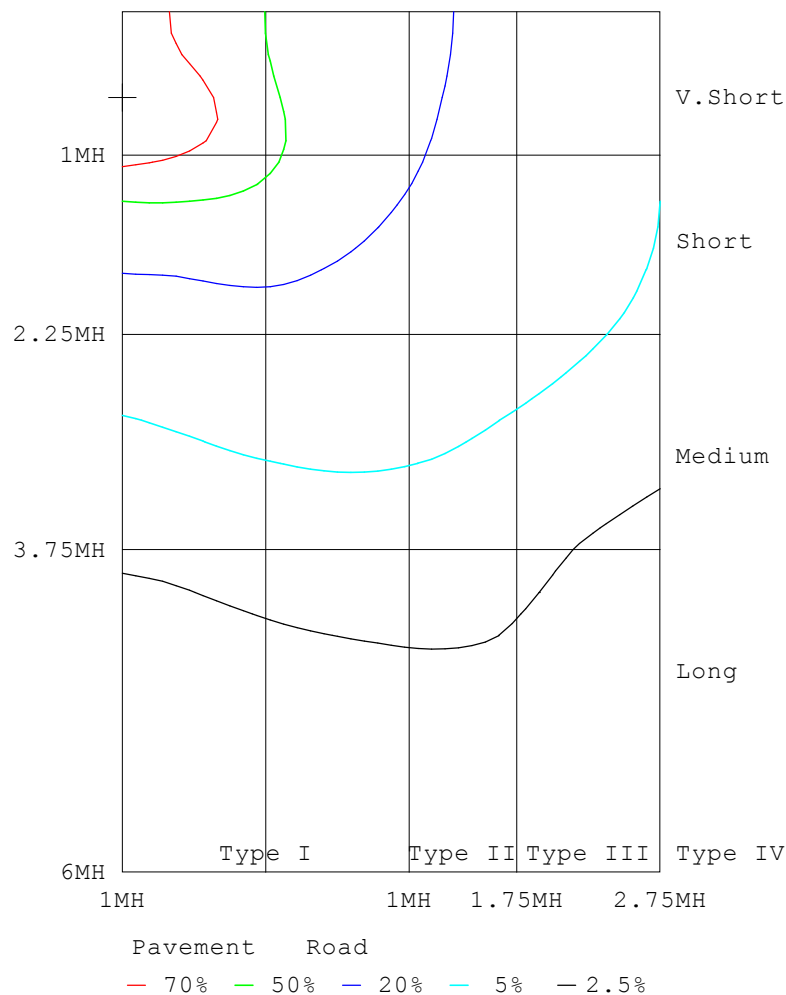
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.8691A P:198.4W PF:0.9926 Lamp Flux:24906.8x1 lm		
NAME: FL23-200-5070-F22401	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.272*0.18	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: