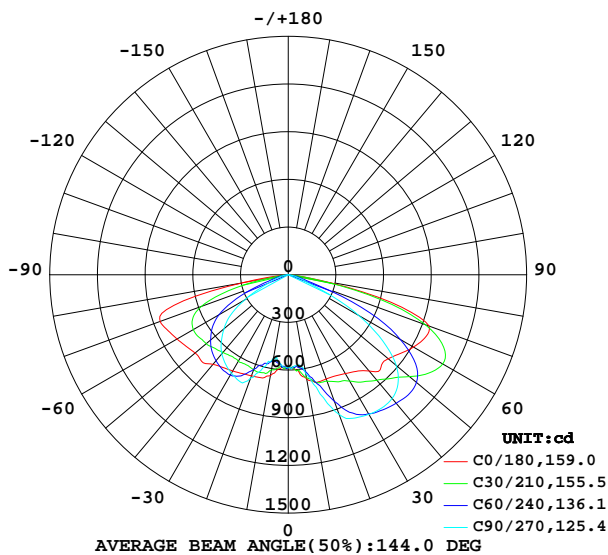
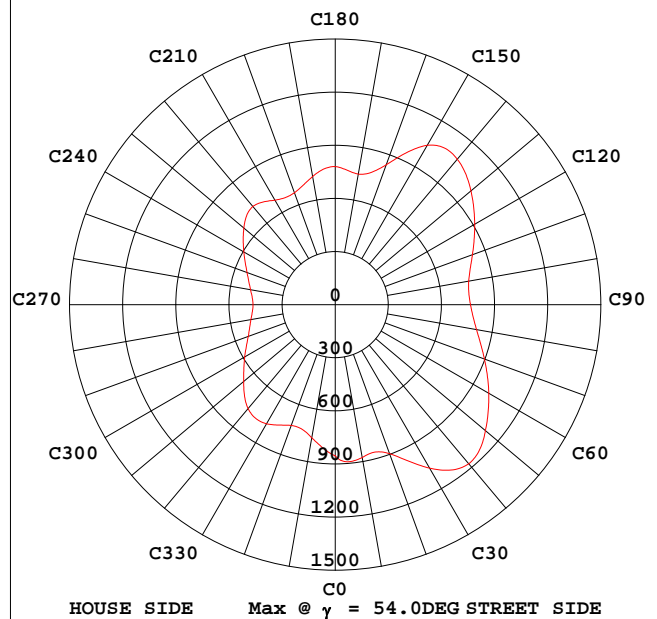


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.00 lm/W			
MODEL	ZGSM-LD27LMA 3M 5050	Imax(cd)	1173	η street_up(%)	0.0
NOMINAL POWER(W)	27	LOR(%)	100.0	η street_down(%)	57.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3375	η house_up(%)	0.0
NOMINAL FLUX(lm)	3375	MAXIMUM @(C, γ)	40,54.0	η house_down(%)	42.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.0	SLI	21.279

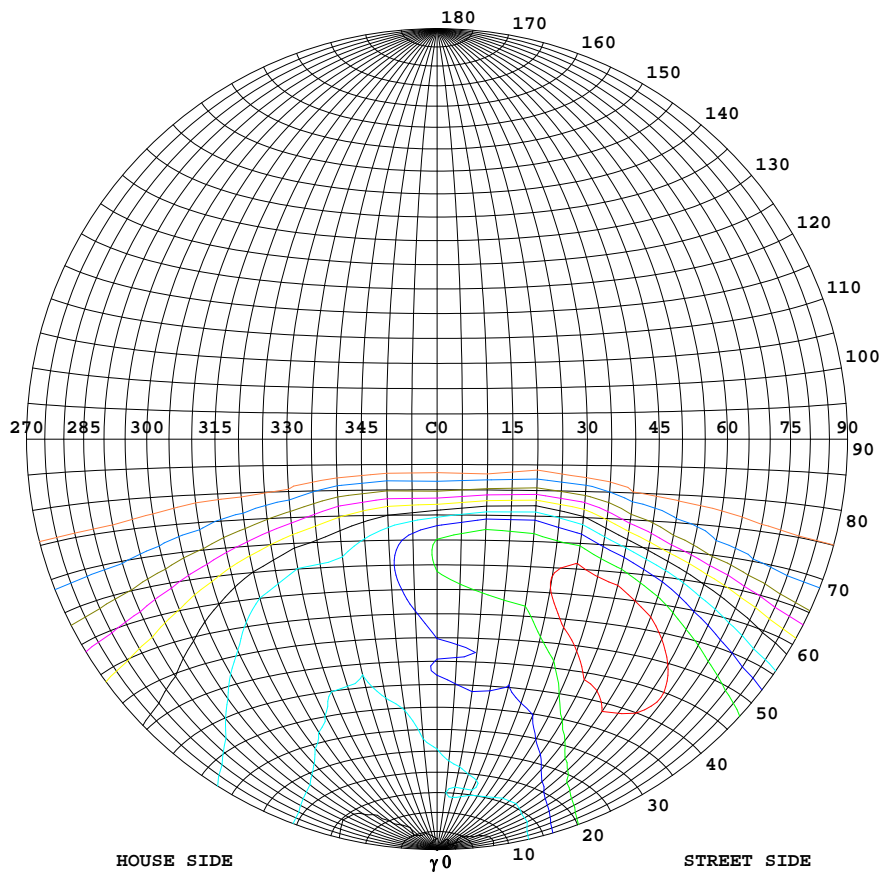
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



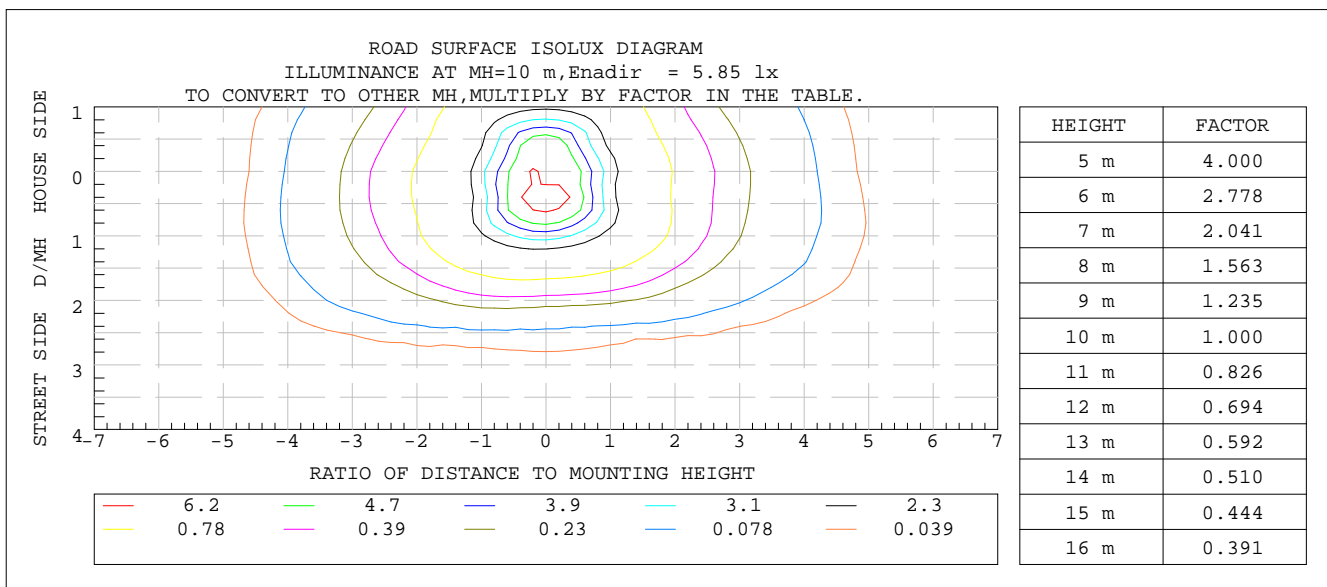
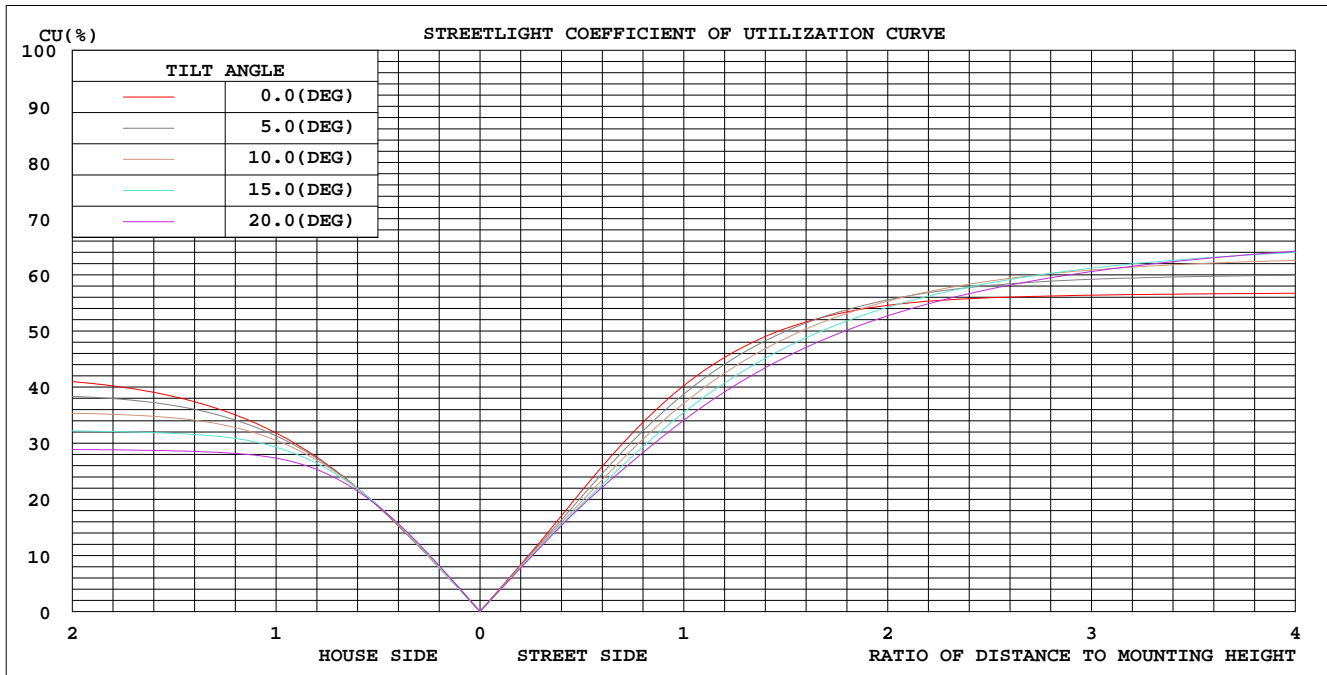
Classification:

IES:Type III - Short
 CIE:Average - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:118.8cd/klm
 Max.At90:8.943cd/klm
 Max.80-90:118.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1173
90%	1055
80%	938
70%	821
60%	704
50%	586
40%	469
30%	352
20%	235
10%	117
5%	59

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.480m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.480m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

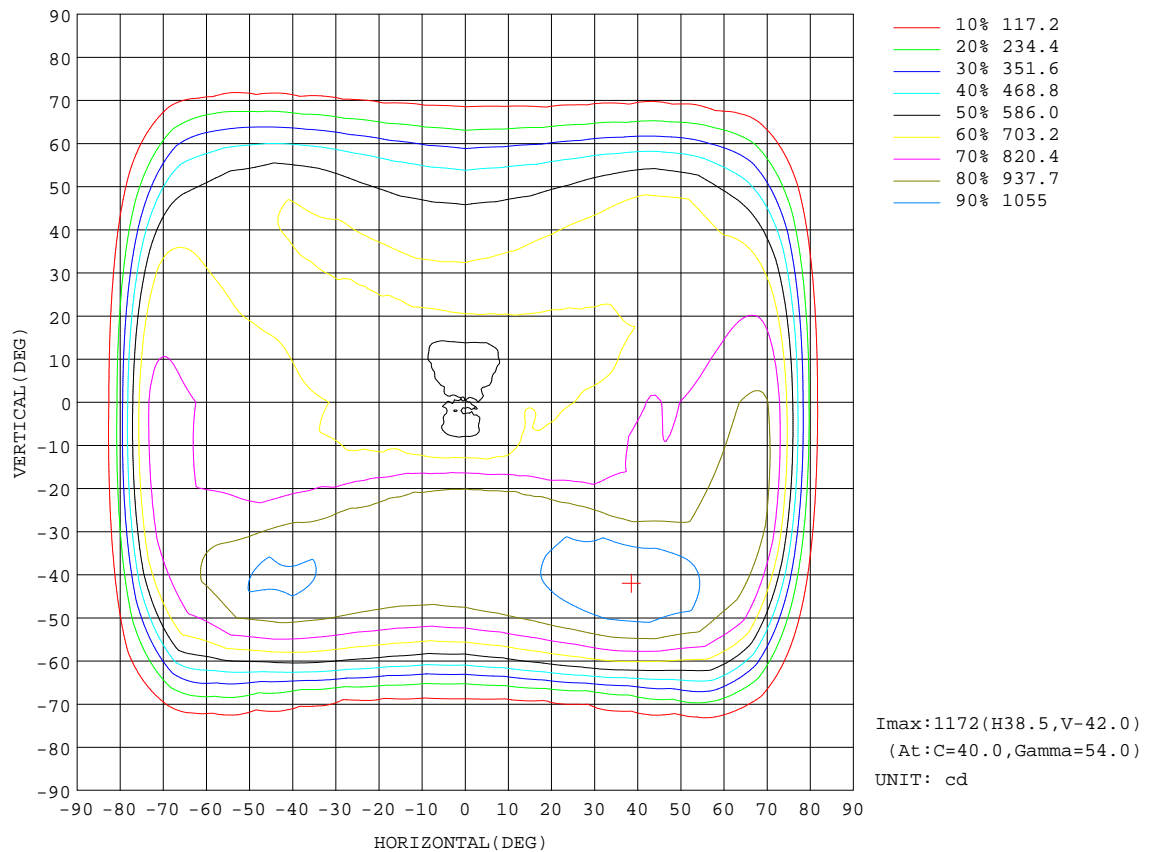
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	664.0	636.3	628.0	609.0	644.1	584.5	534.5	586.6	0- 10	56.34	56.34	1.67,1.67
20	698.2	754.5	935.0	760.2	676.9	615.0	690.3	628.9	10- 20	190.4	246.7	7.31,7.31
30	718.3	924.6	1014	917.6	698.9	662.6	715.2	715.1	20- 30	353.8	600.5	17.8,17.8
40	791.1	1040	1016	994.0	736.2	717.5	650.4	767.3	30- 40	506.4	1107	32.8,32.8
50	822.1	1132	886.2	1044	766.1	715.6	527.8	741.5	40- 50	633.5	1740	51.6,51.6
60	909.8	1055	513.6	939.1	808.8	650.6	318.3	643.7	50- 60	692.1	2432	72.1,72.1
70	941.8	553.0	104.2	460.7	858.0	382.2	101.5	316.1	60- 70	592.2	3025	89.6,89.6
80	210.9	53.93	25.11	57.45	296.9	58.47	31.82	48.40	70- 80	311.4	3336	98.8,98.8
90	7.946	10.23	1.869	8.975	9.257	10.48	2.099	8.434	80- 90	39.11	3375	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: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

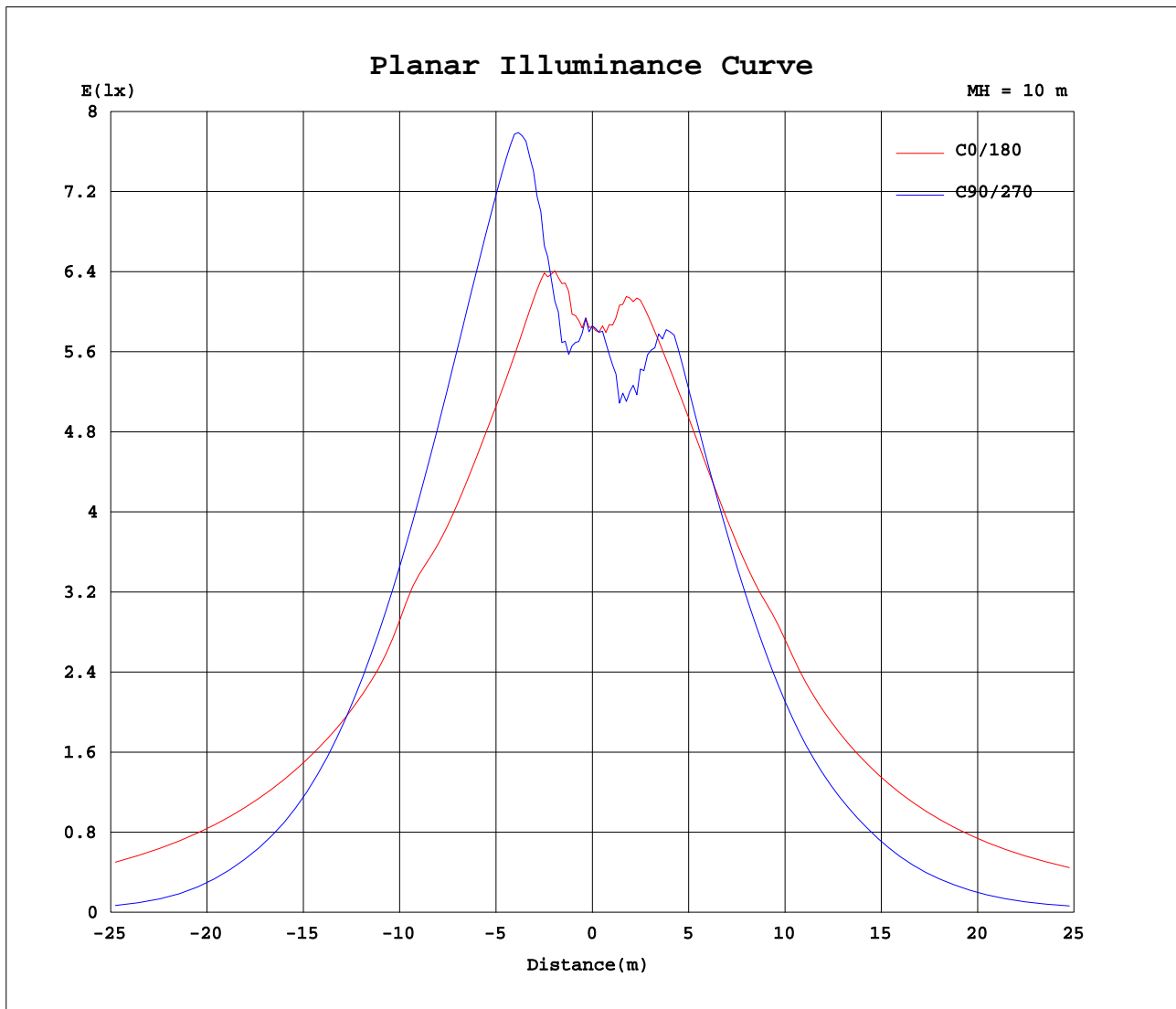
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

Planar Illuminance Curve



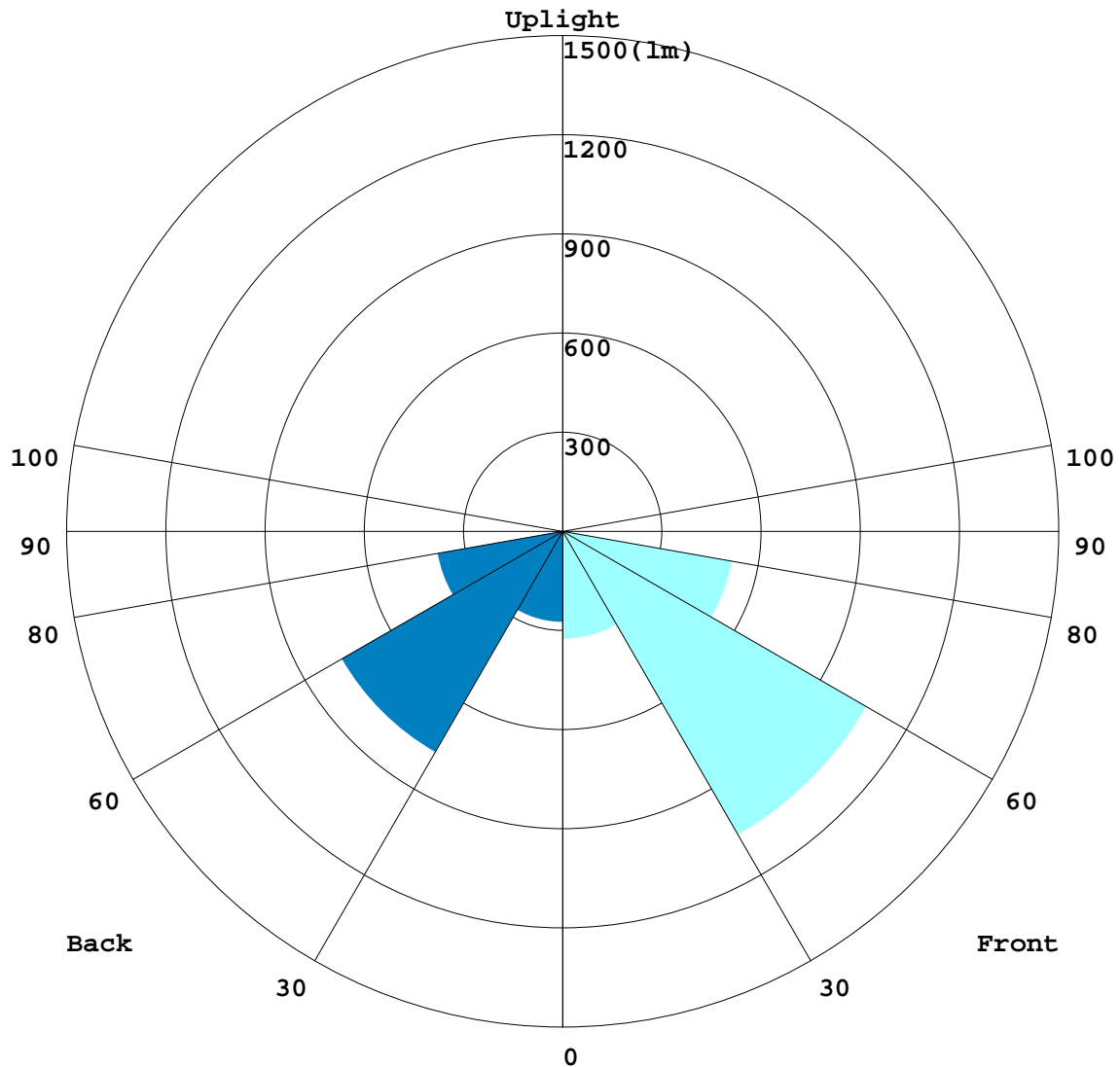
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.480m [K=1.0000]
Remarks:

LCS REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

BUG REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	325.94	9.7
FM - Front-Medium(30-60)	1060.5	31.4
FH - Front-High(60-80)	519.72	15.4
FVH - Front-Very High(80-90)	20.549	0.6
Total Forward Light	1926.7	57.1

BL - Back-Low(0-30)	274.52	8.1
BM - Back-Medium(30-60)	771.44	22.9
BH - Back-High(60-80)	383.83	11.4
BVH - Back-Very High(80-90)	18.556	0.5
Total Back Light	1448.3	42.9

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1448.3	0	1448.3
Street Side	1926.7	0	1926.7

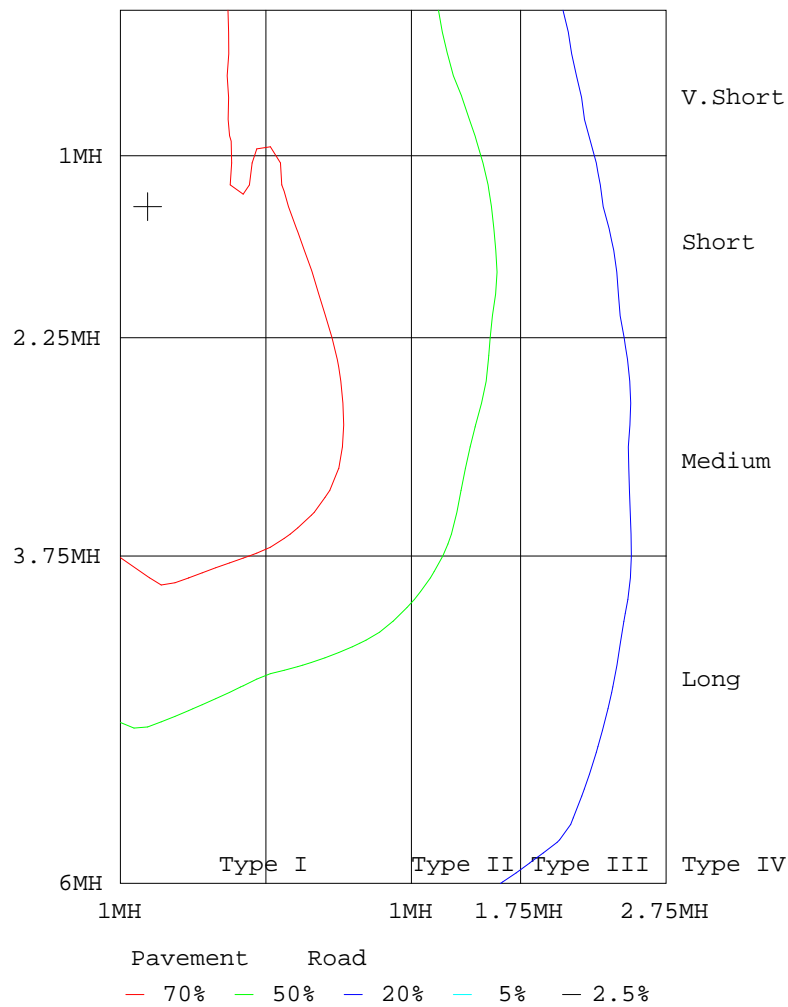
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

