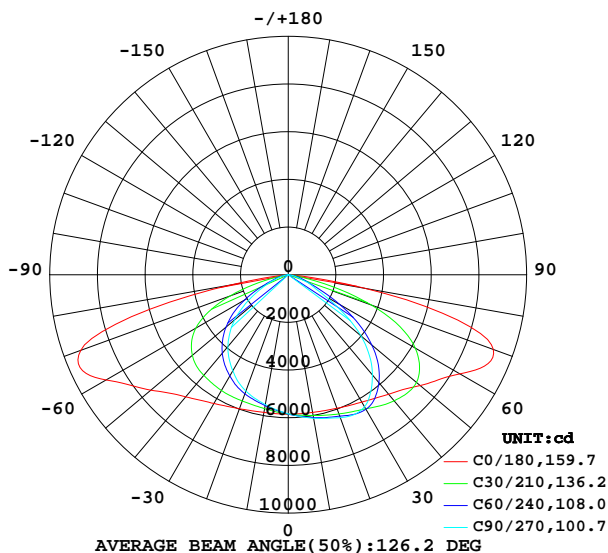
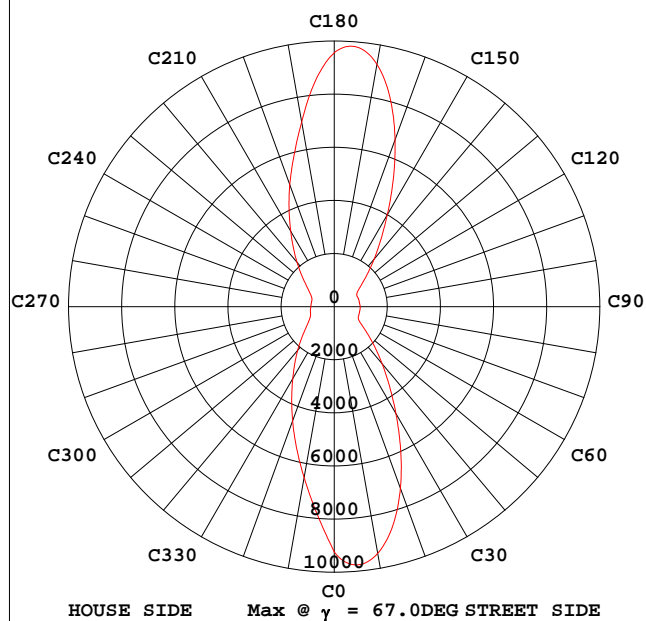


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED STREET LIGHTS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:30cm*23cm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.75 lm/W			
MODEL	ZGSM-LD150K1 5050 2M	Imax(cd)	9562	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.5	η street_down(%)	55.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22612	η house_up(%)	0.0
NOMINAL FLUX(lm)	22500	MAXIMUM @ (C, γ)	180,67.0	η house_down(%)	45.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	100.5	SLI	25.444

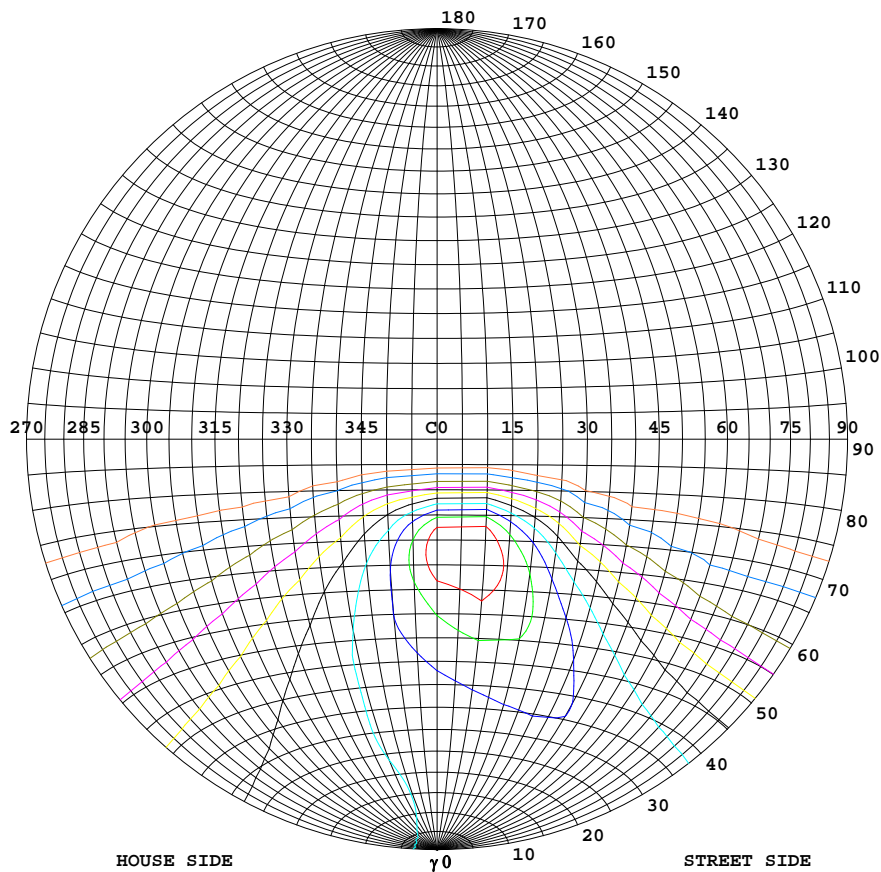
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017

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: LED STREET LIGHTS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:30cm*23cm	Shielding Angle:



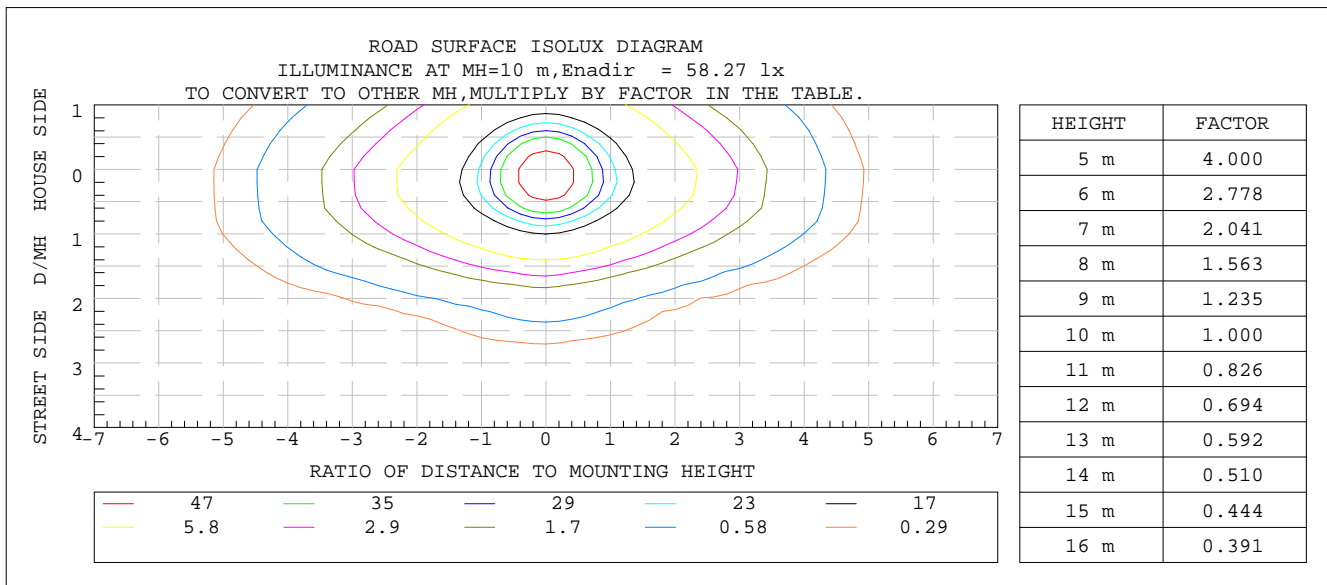
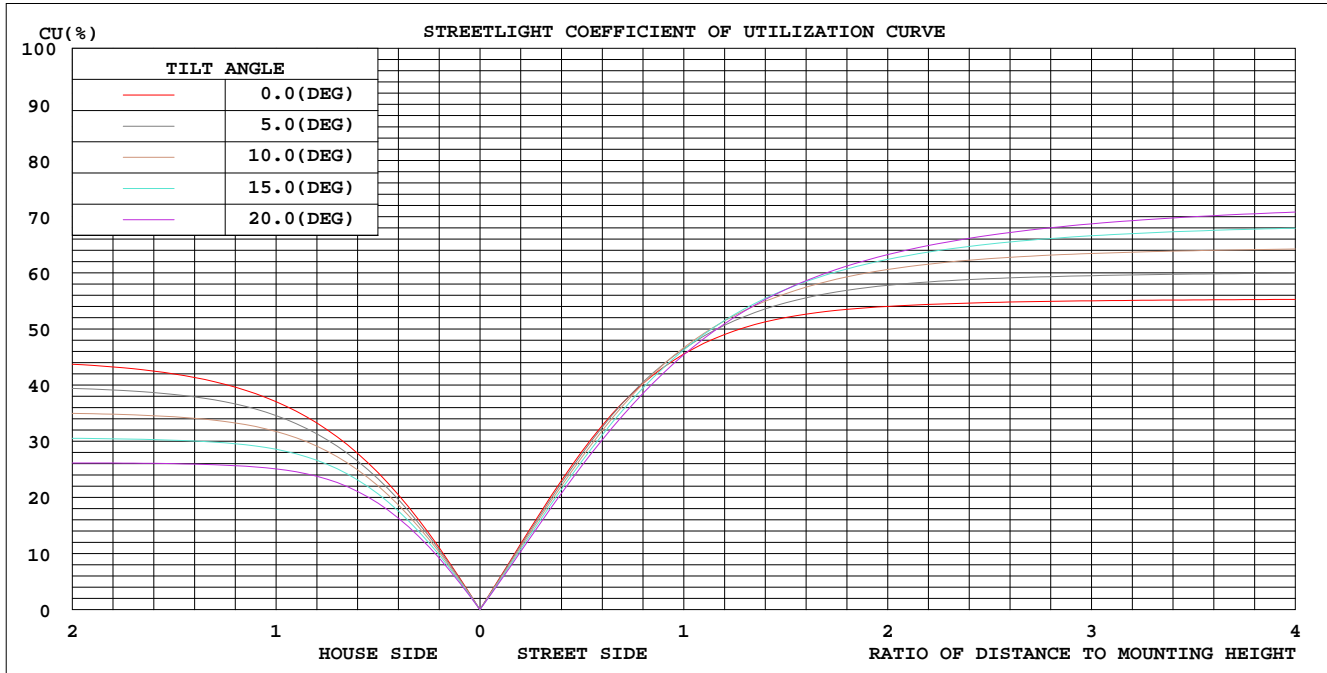
Classification:

IES:Type II - Medium
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:148.3cd/klm
 Max.At90:0.8394cd/klm
 Max.80-90:148.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9562
90%	8606
80%	7650
70%	6694
60%	5737
50%	4781
40%	3825
30%	2869
20%	1912
10%	956
5%	478

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017

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

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: LED STREET LIGHTS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:30cm*23cm	Shielding Angle:

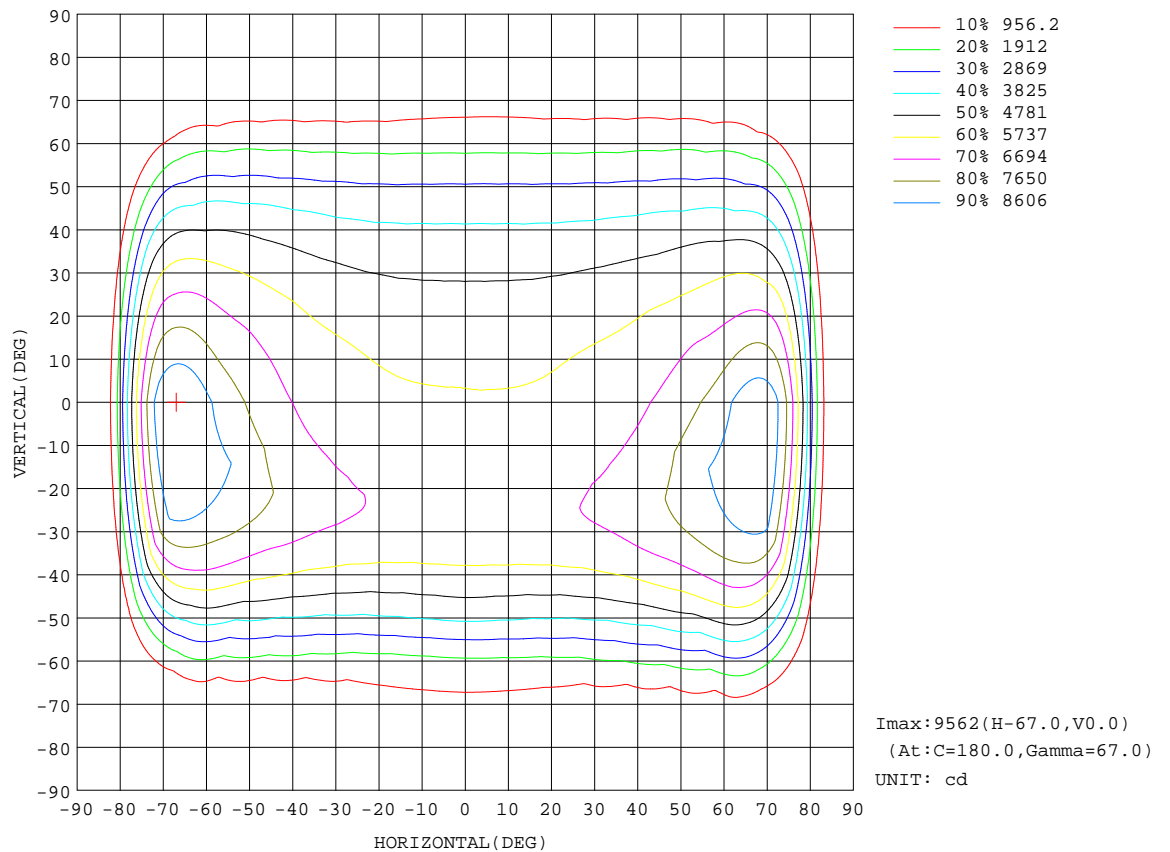
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	5864	6048	6114	6036	5866	5634	5531	5620	0- 10	556.8	556.8	2.46,2.47
20	5962	6267	6378	6297	5981	5463	5193	5452	10- 20	1659	2215	9.8,9.85
30	6171	6560	6395	6638	6237	5218	4654	5184	20- 30	2726	4942	21.9,22
40	6546	6480	5495	6468	6685	4837	3940	4770	30- 40	3632	8574	37.9,38.1
50	7233	5657	3983	5501	7529	4175	2934	4067	40- 50	4198	12772	56.5,56.8
60	8316	3952	1772	3617	8828	3016	1615	2931	50- 60	4209	16982	75.1,75.5
70	9151	1522	631.0	1194	9262	1294	596.7	1327	60- 70	3509	20491	90.6,91.1
80	3225	292.9	164.5	224.5	2402	224.0	100.8	287.8	70- 80	1938	22429	99.2,99.7
90	16.44	5.242	2.375	4.688	18.89	8.162	3.182	7.560	80- 90	182.6	22612	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

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

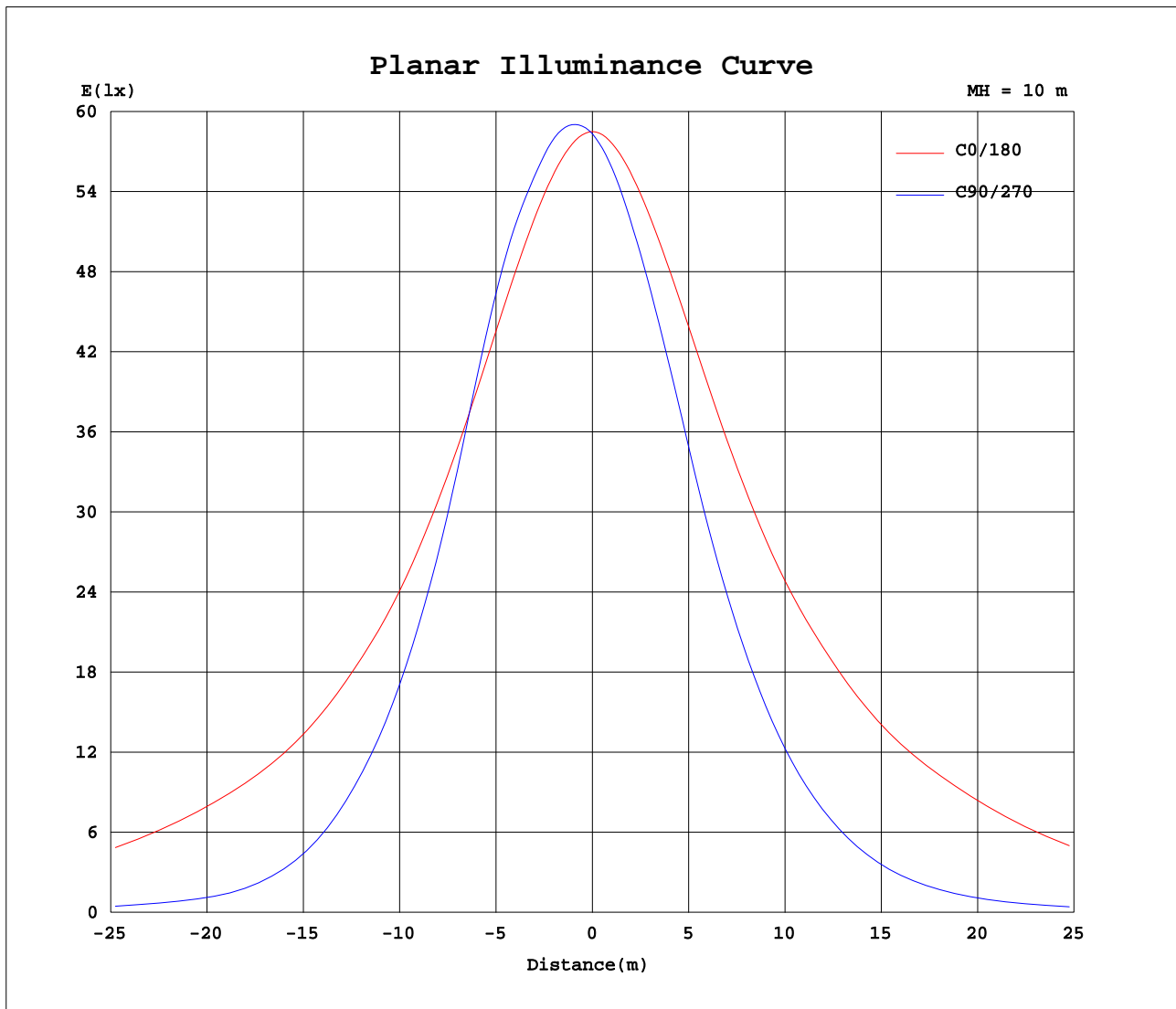
NAME: LED STREET LIGHTS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:30cm*23cm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017

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



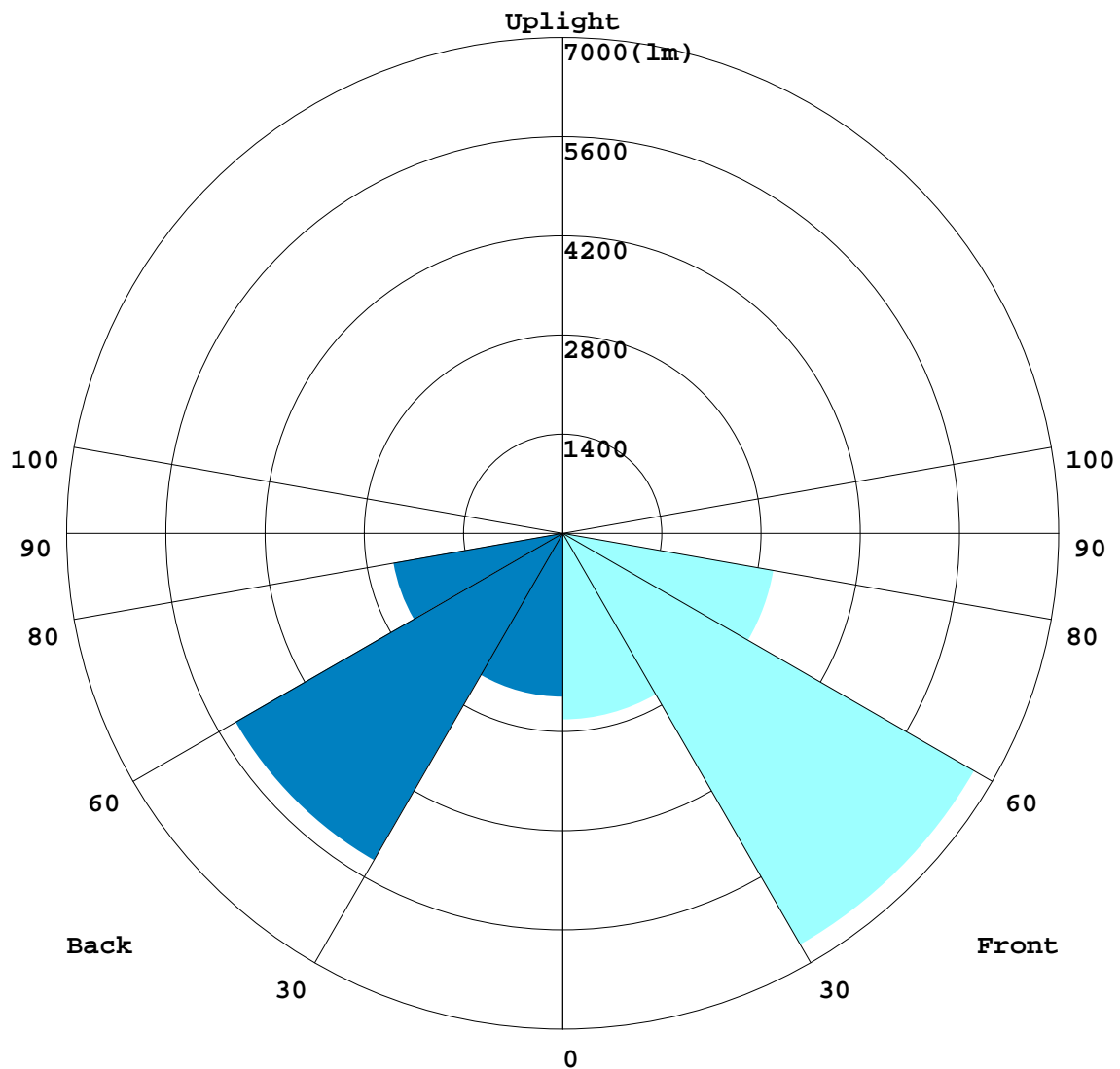
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017

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: LED STREET LIGHTS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:30cm*23cm	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

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: LED STREET LIGHTS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:30cm*23cm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2631.7	11.6
FM - Front-Medium(30-60)	6710.3	29.7
FH - Front-High(60-80)	3024.2	13.4
FVH - Front-Very High(80-90)	106.16	0.5
Total Forward Light	12472	55.2

BL - Back-Low(0-30)	2310.2	10.2
BM - Back-Medium(30-60)	5329.5	23.6
BH - Back-High(60-80)	2423.2	10.7
BVH - Back-Very High(80-90)	76.399	0.3
Total Back Light	10139	44.8

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	B4-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10139	0	10139
Street Side	12472	0	12472

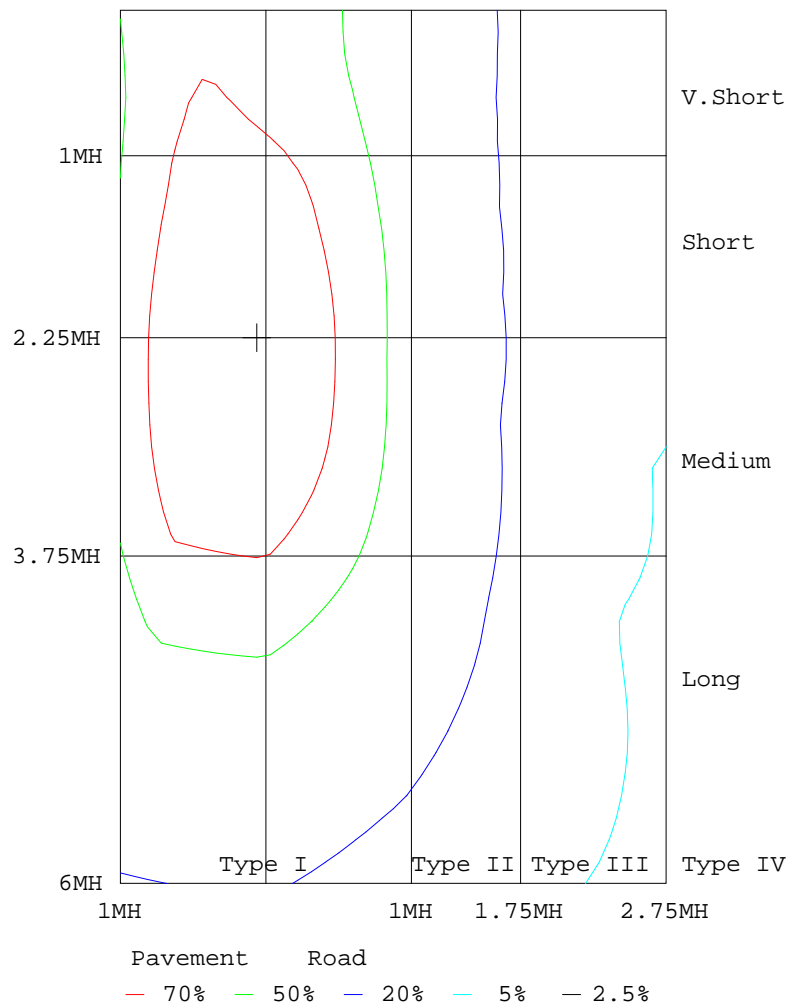
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017

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: LED STREET LIGHTS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:30cm*23cm	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

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:

