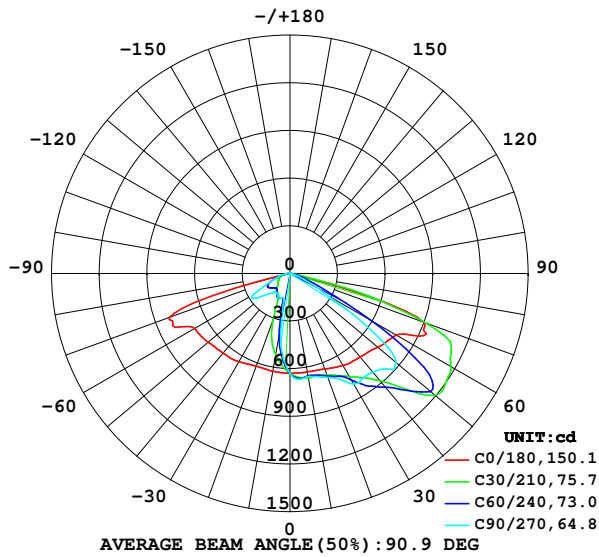
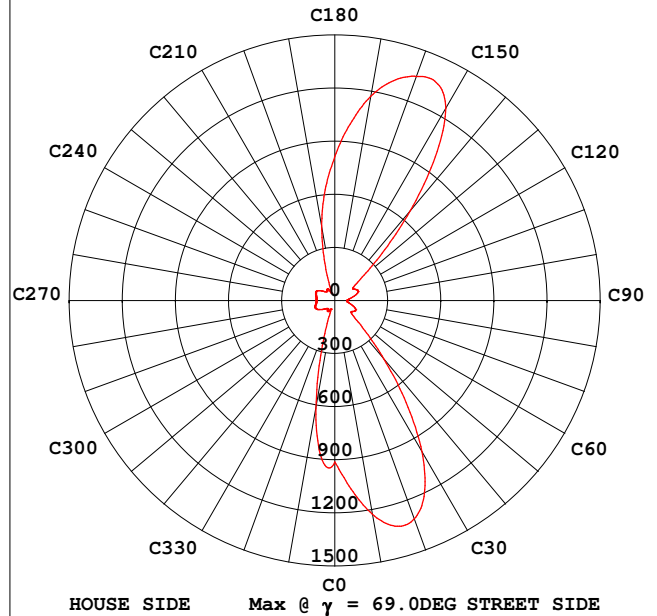


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.48V I:0.0937A P:20.063W PF:0.9293 Freq:50.01Hz Lamp Flux:2349.03x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.08 lm/W			
MODEL	LYS15	I _{max} (cd)	1348	η street_up (%)	0.0
NOMINAL POWER (W)	20W	LOR (%)	100.0	η street_down (%)	77.0
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	2349	η house_up (%)	0.0
NOMINAL FLUX (lm)	2349.03	MAXIMUM @ (C, γ)	160, 69.0	η house_down (%)	23.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	14.680

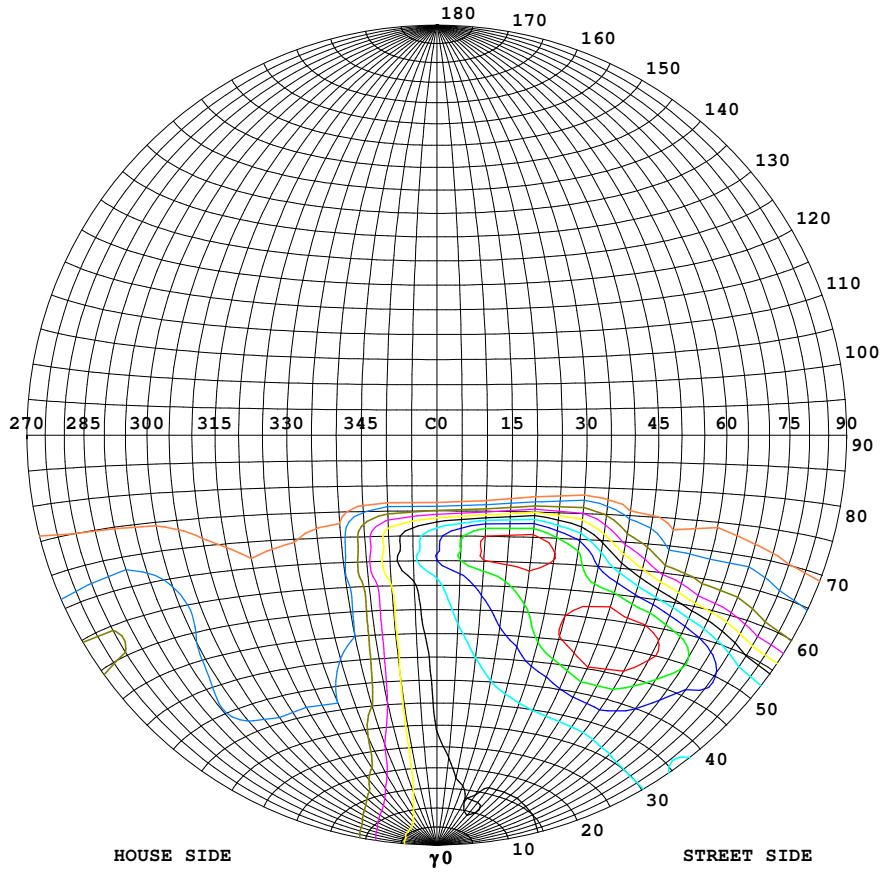
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.48V I:0.0937A P:20.063W PF:0.9293 Freq:50.01Hz Lamp Flux:2349.03x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

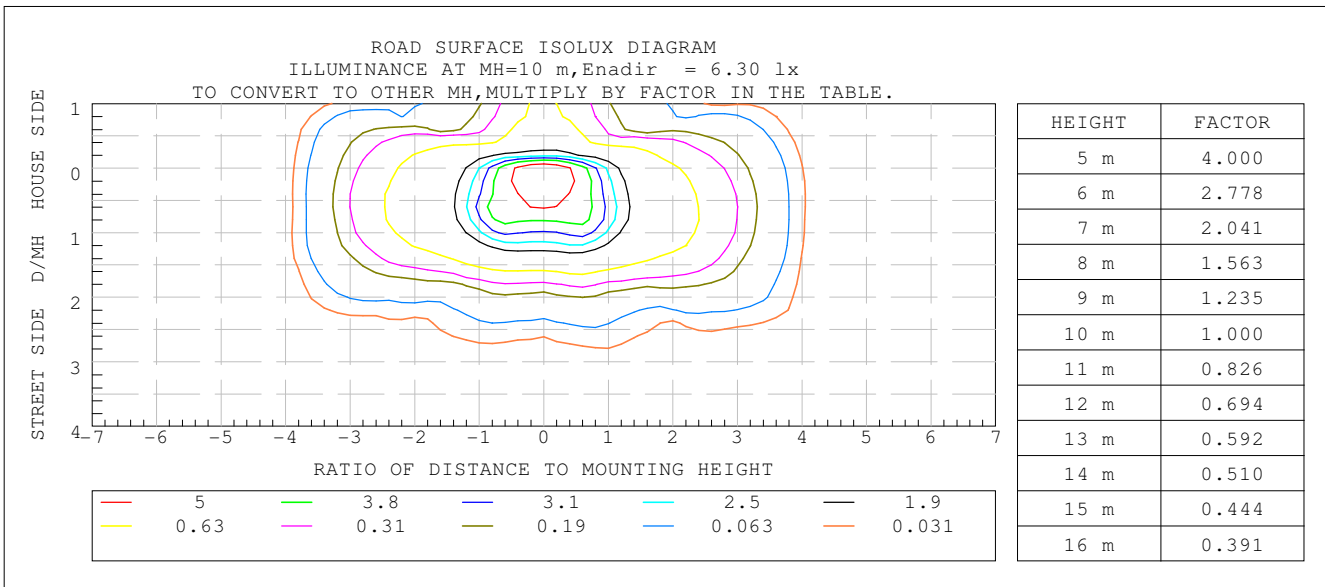
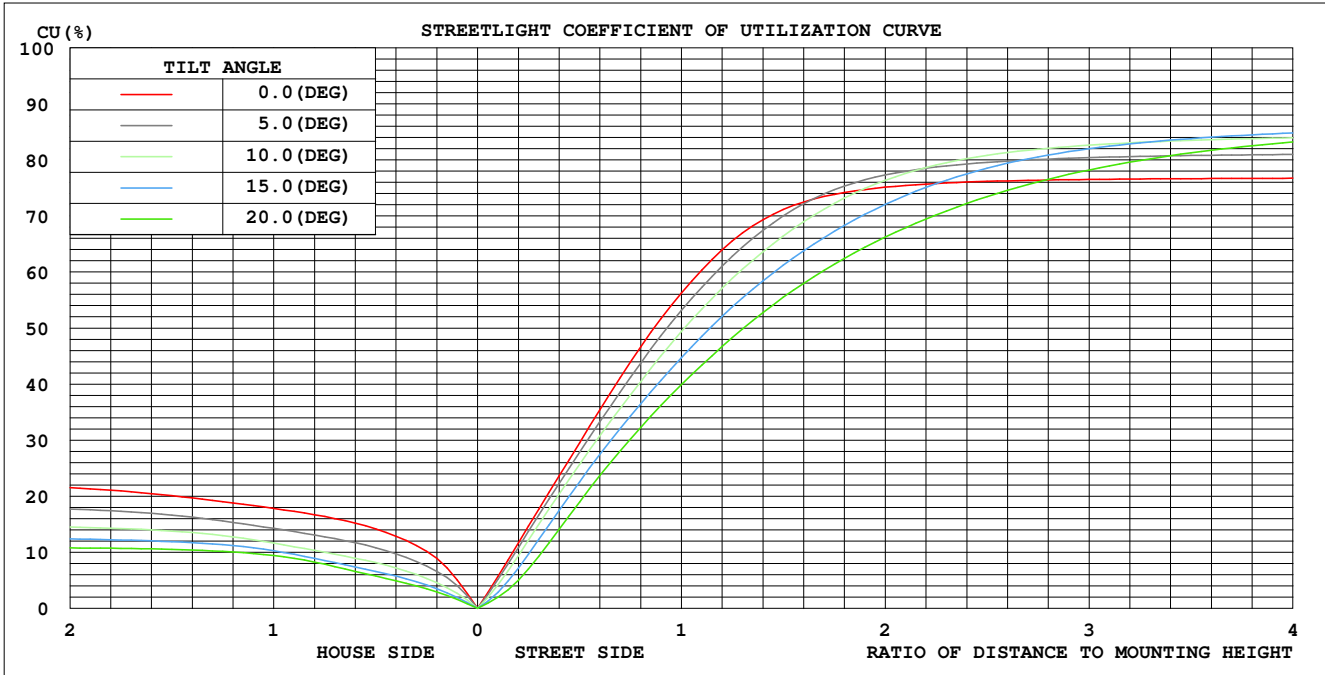
IES:Type III - Medium
 CIE:Average - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:17.41cd/klm
 Max.At90:0.6929cd/klm
 Max.80-90:17.41cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1348
— 90%	1213
— 80%	1078
— 70%	943
— 60%	809
— 50%	674
— 40%	539
— 30%	404
— 20%	270
— 10%	135
— 5%	67

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:07.07.2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

ZONAL FLUX DIAGRAM

Test:U:230.48V I:0.0937A P:20.063W PF:0.9293 Freq:50.01Hz Lamp Flux:2349.03x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

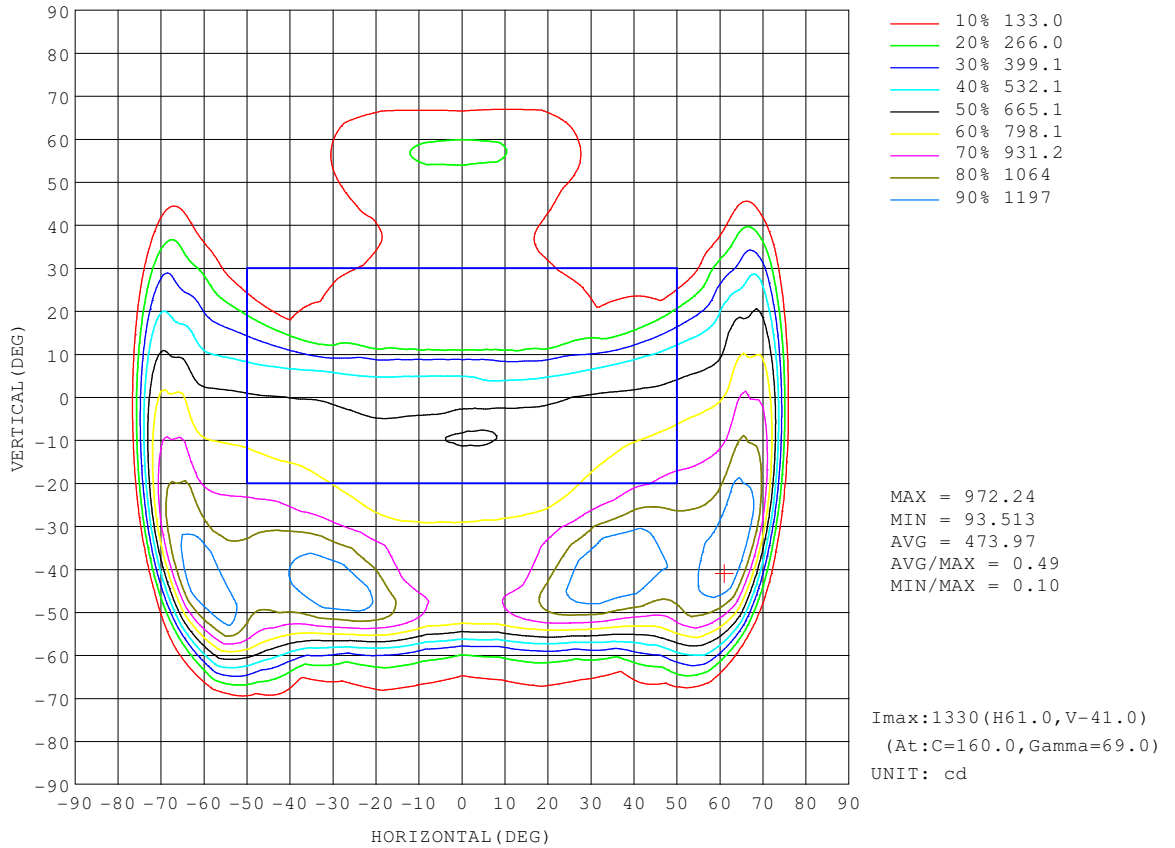
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	$\%lum, lamp$
10	629.5	660.8	659.9	686.6	625.6	460.7	323.3	456.1	0- 10	56.91	56.91	2.42,2.42
20	640.0	683.0	696.4	698.0	621.5	171.1	163.5	173.5	10- 20	143.5	200.4	8.53,8.53
30	669.5	752.9	802.9	766.0	641.9	160.5	158.9	157.4	20- 30	227.9	428.3	18.2,18.2
40	688.3	984.9	813.0	955.5	654.7	124.5	154.9	120.6	30- 40	326.3	754.6	32.1,32.1
50	722.3	1280	871.4	1266	673.4	104.4	216.8	99.90	40- 50	453.4	1208	51.4,51.4
60	776.9	960.6	259.9	1050	694.2	97.95	262.9	89.64	50- 60	529.7	1738	74,74
70	895.1	237.1	57.85	365.4	806.3	73.32	97.81	65.92	60- 70	427.9	2166	92.2,92.2
80	11.33	17.86	7.363	18.33	15.65	31.21	39.93	25.52	70- 80	176.2	2342	99.7,99.7
90	0.4826	0.1092	0.2703	0.1669	0.6078	1.552	0.1730	1.047	80- 90	7.108	2349	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:20DEG
Operators:LITPA
Test Date:07.07.2020

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

ISOCANDELA DIAGRAM

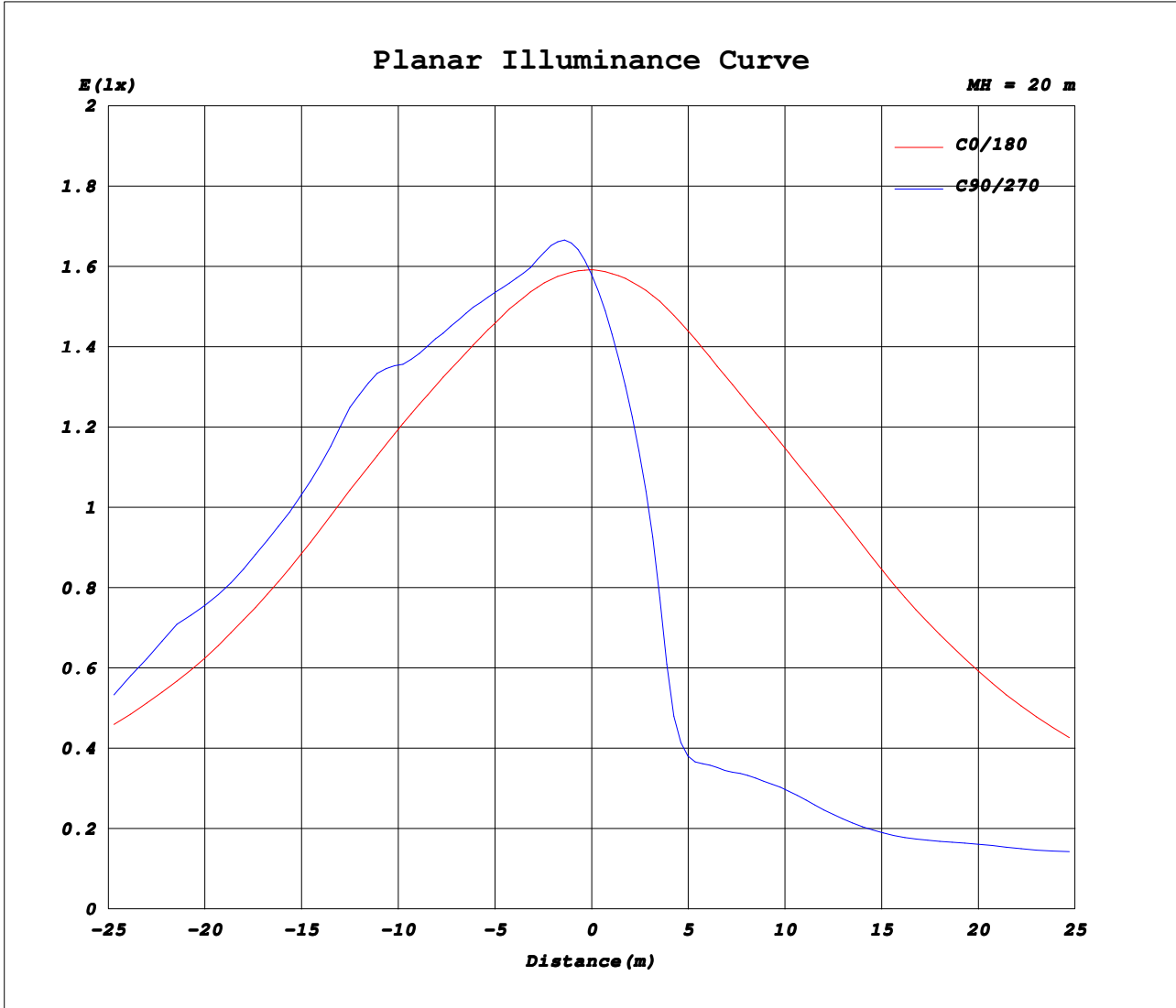
Test:U:230.48V I:0.0937A P:20.063W PF:0.9293 Freq:50.01Hz Lamp Flux:2349.03x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:07.07.2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

Planar Illuminance Curve



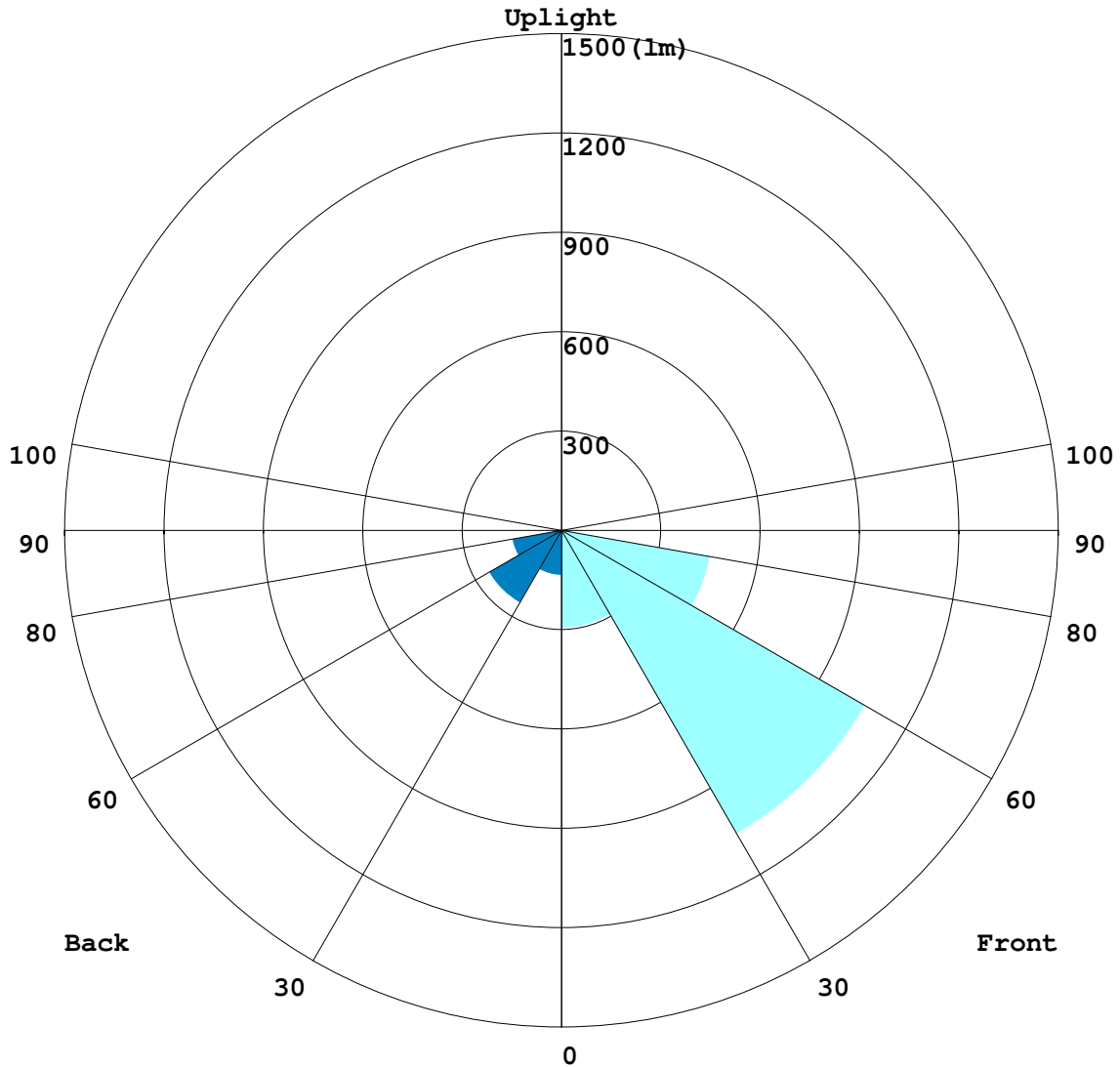
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

LCS REPORT

Test:U:230.48V I:0.0937A P:20.063W PF:0.9293 Freq:50.01Hz Lamp Flux:2349.03x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

BUG REPORT

Test:U:230.48V I:0.0937A P:20.063W PF:0.9293 Freq:50.01Hz Lamp Flux:2349.03x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	293.58	12.5
FM - Front-Medium(30-60)	1057.4	45.0
FH - Front-High(60-80)	454.57	19.4
FVH - Front-Very High(80-90)	2.039	0.1
Total Forward Light	1807.6	77.0

BL - Back-Low(0-30)	134.69	5.7
BM - Back-Medium(30-60)	252.05	10.7
BH - Back-High(60-80)	149.61	6.4
BVH - Back-Very High(80-90)	5.0686	0.2
Total Back Light	541.41	23.0

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	541.41	0	541.41
Street Side	1807.6	0	1807.6

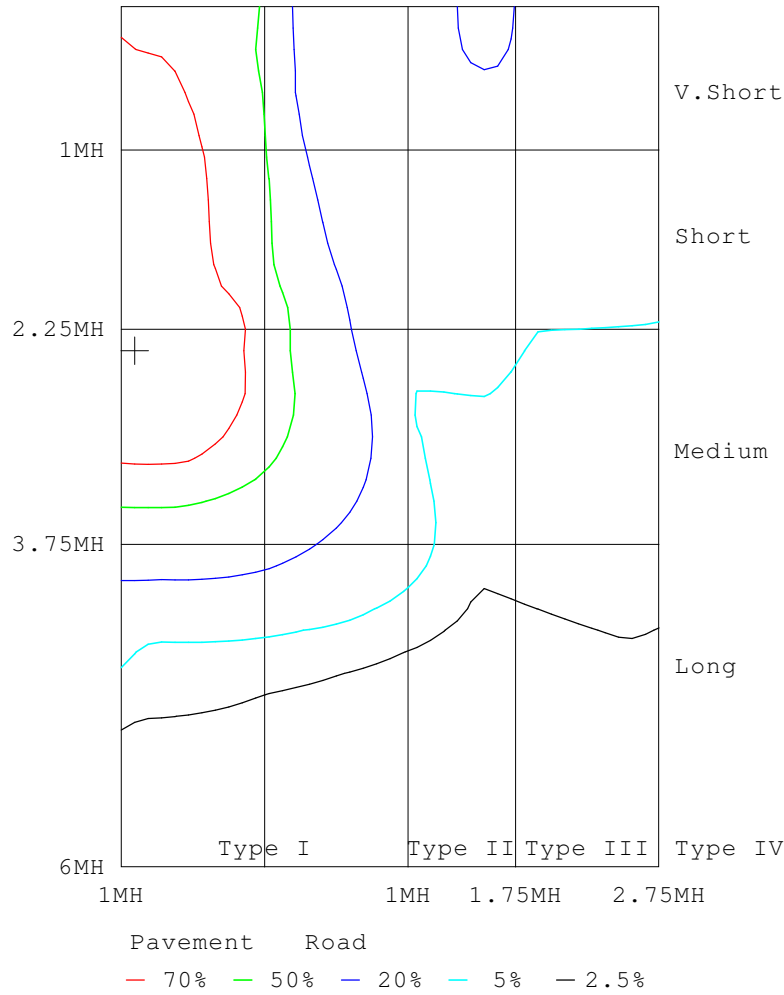
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

ROAD ISOCANDELA REPORT

Test:U:230.48V I:0.0937A P:20.063W PF:0.9293 Freq:50.01Hz Lamp Flux:2349.03x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: LYS15-20W-T3-M

