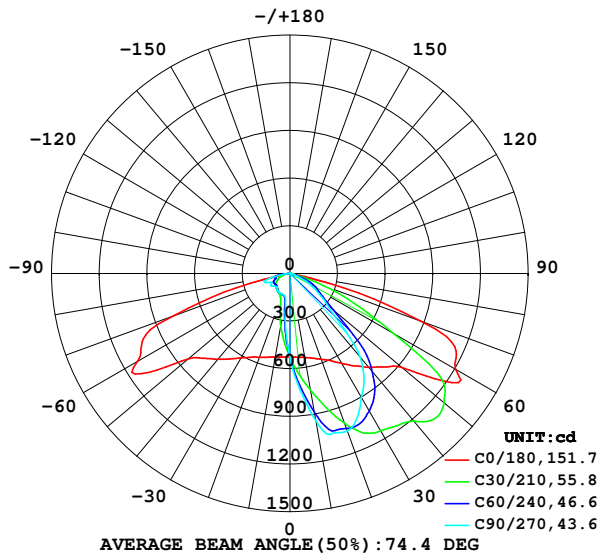
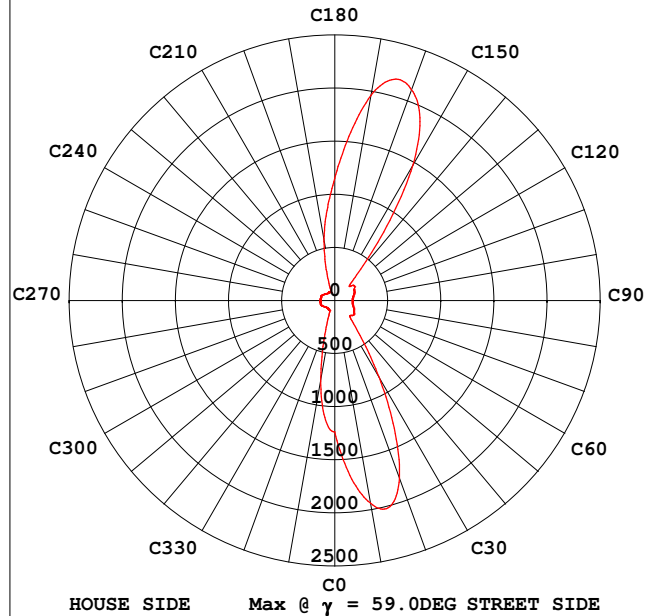


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.55V I:0.0937A P:20.098W PF:0.9306 Freq:50.01Hz Lamp Flux:2356.44x1 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: 117.24 lm/W			
MODEL	LYS15	I _{max} (cd)	2113	η street_up (%)	0.0
NOMINAL POWER (W)	20W	LOR (%)	100.0	η street_down (%)	78.2
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	2356	η house_up (%)	0.0
NOMINAL FLUX (lm)	2356.44	MAXIMUM @ (C, γ)	160,59.0	η house_down (%)	21.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	16.225

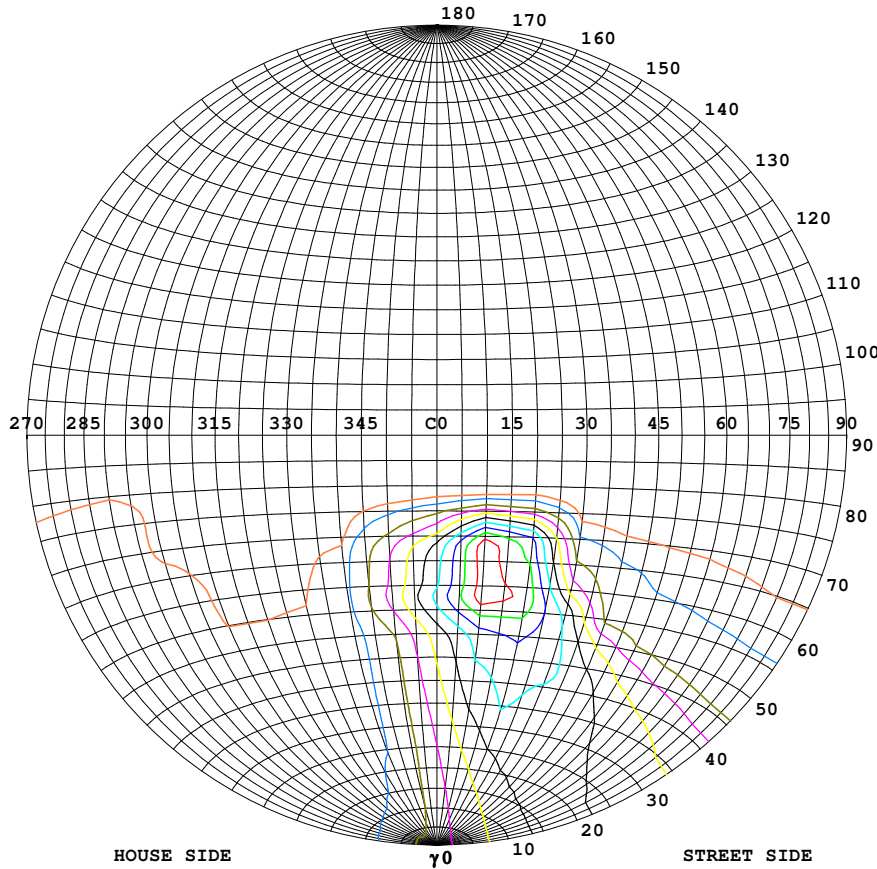
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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-T2

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.55V I:0.0937A P:20.098W PF:0.9306 Freq:50.01Hz Lamp Flux:2356.44x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

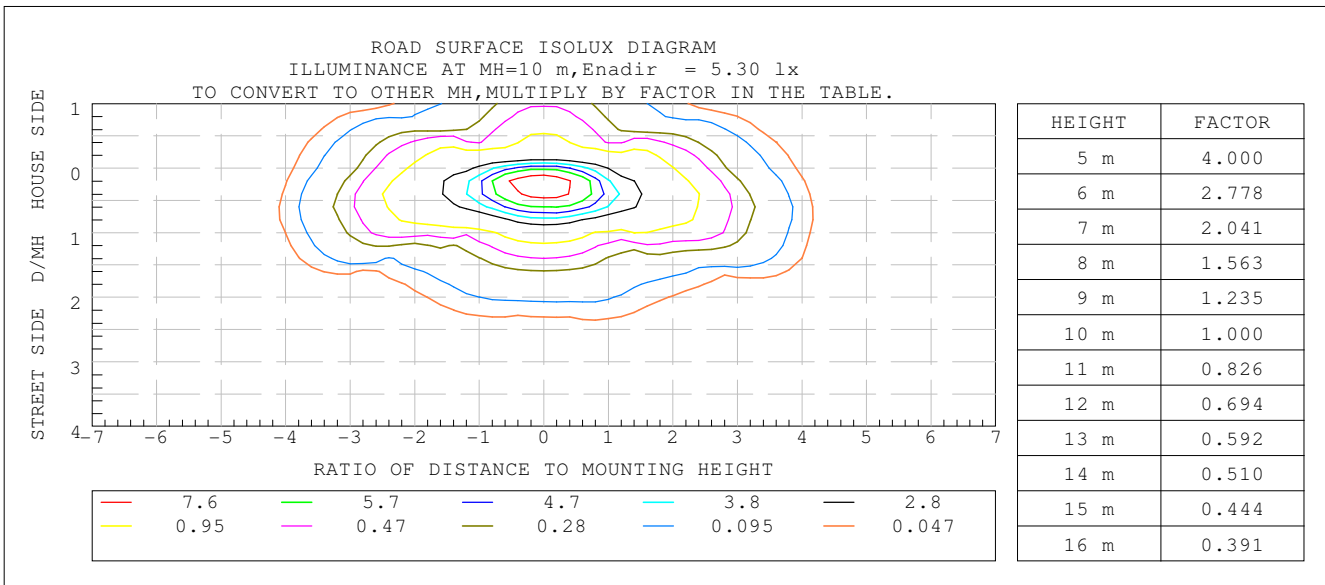
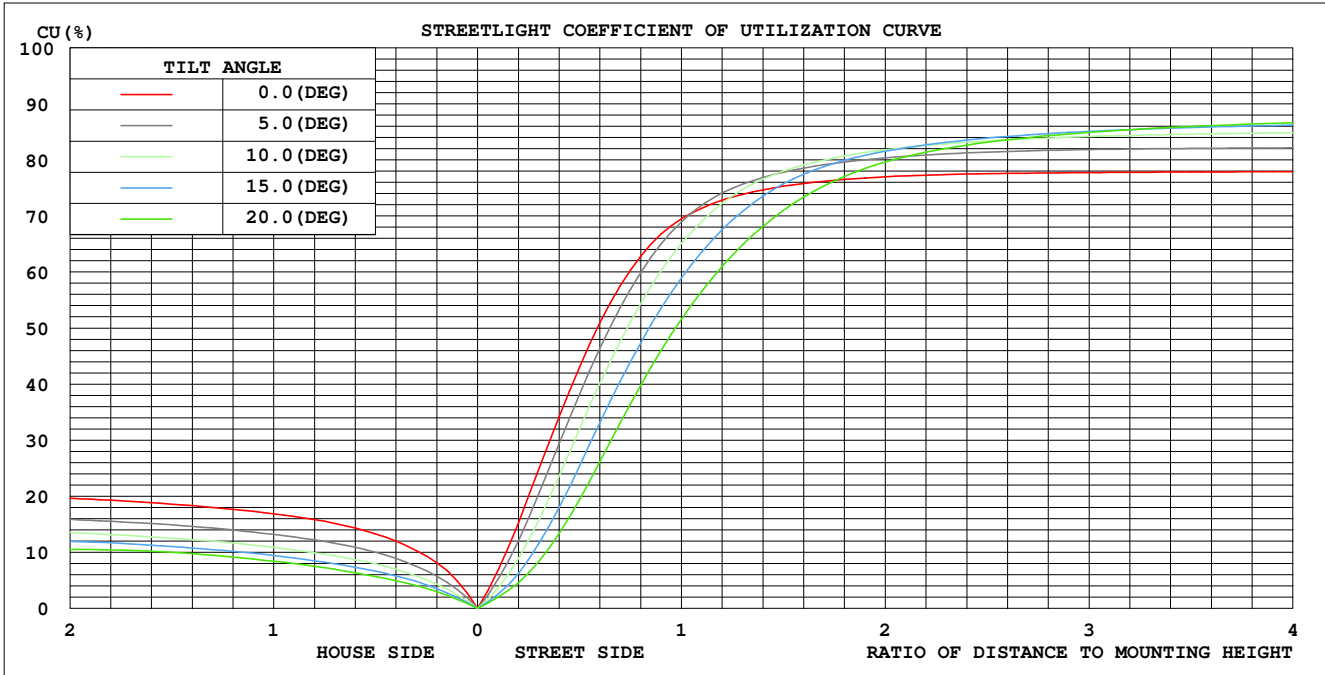
IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:40.82cd/klm
 Max.At90:0.5651cd/klm
 Max.80-90:40.82cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2113
— 90%	1901
— 80%	1690
— 70%	1479
— 60%	1268
— 50%	1056
— 40%	845
— 30%	634
— 20%	423
— 10%	211
— 5%	106

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-T2

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-T2

ZONAL FLUX DIAGRAM

Test:U:230.55V I:0.0937A P:20.098W PF:0.9306 Freq:50.01Hz Lamp Flux:2356.44x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

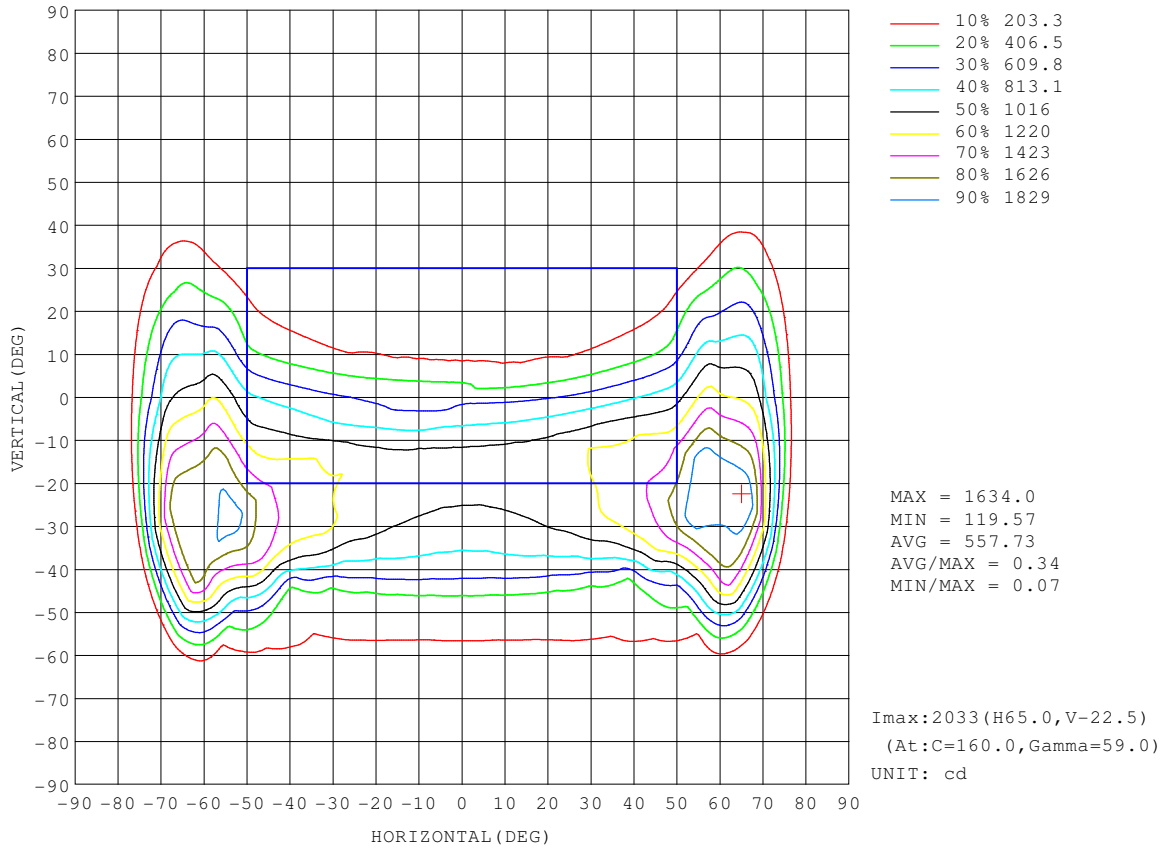
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	$\%lum, lamp$
10	537.5	823.5	941.1	832.7	534.8	253.3	166.9	243.5	0- 10	50.97	50.97	2.16,2.16
20	574.8	1049	1054	1116	562.3	147.4	140.0	158.0	10- 20	163.2	214.2	9.09,9.09
30	654.5	1080	901.7	1190	614.1	138.3	137.5	147.2	20- 30	282.1	496.2	21.1,21.1
40	771.6	1035	686.6	1177	706.3	125.7	123.2	133.0	30- 40	381.8	878.1	37.3,37.3
50	923.5	621.8	306.0	791.4	836.6	109.6	127.7	115.8	40- 50	423.6	1302	55.2,55.2
60	1203	230.2	152.7	273.3	1107	98.37	137.5	102.5	50- 60	449.0	1751	74.3,74.3
70	868.7	110.3	42.11	137.2	784.0	80.32	165.3	83.62	60- 70	418.0	2169	92,92
80	28.38	15.84	6.637	17.41	30.79	38.86	64.61	39.45	70- 80	176.6	2345	99.5,99.5
90	0.6113	0.0998	0.3390	0.1188	0.7231	1.054	0.1998	0.8469	80- 90	11.12	2356	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-T2

ISOCANDELA DIAGRAM

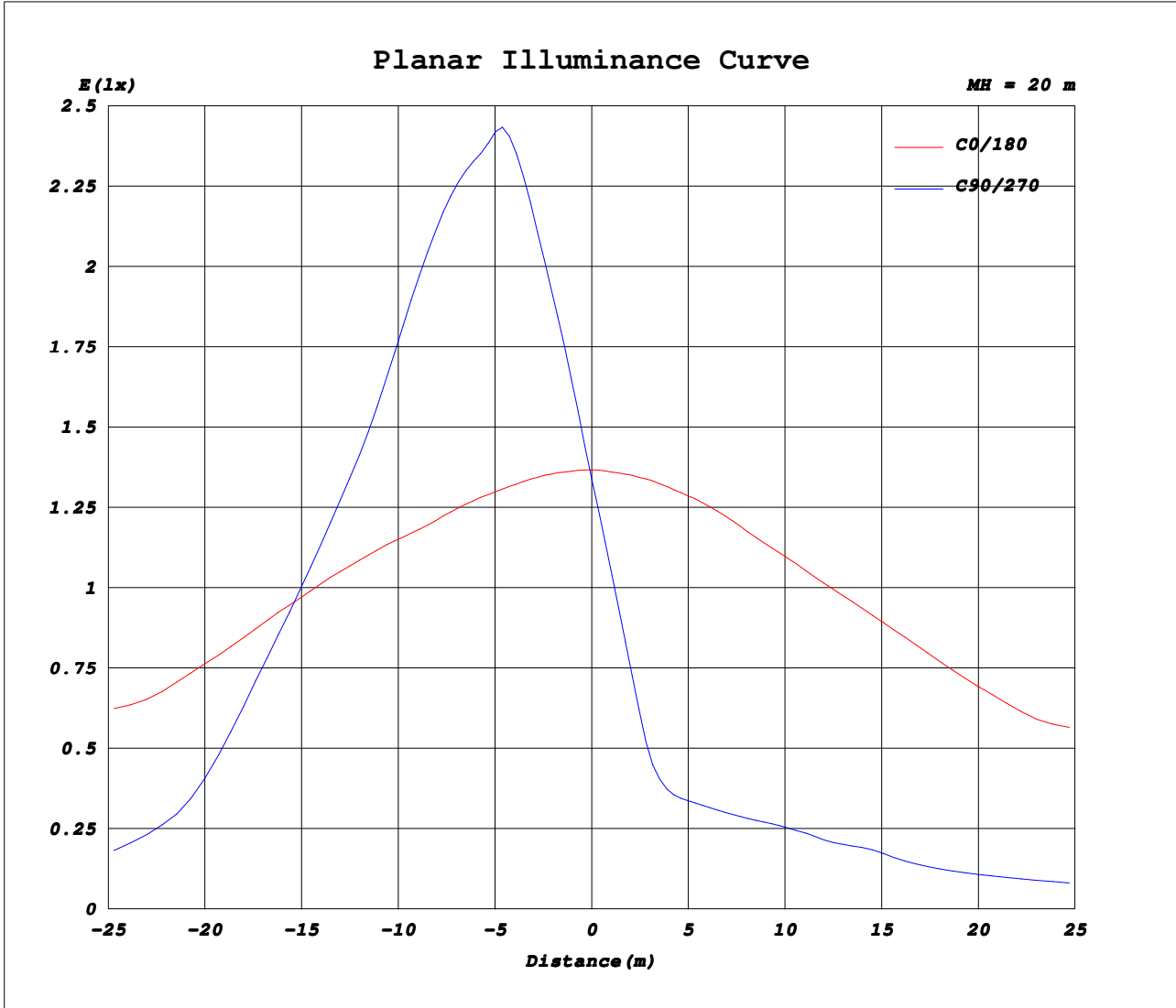
Test:U:230.55V I:0.0937A P:20.098W PF:0.9306 Freq:50.01Hz Lamp Flux:2356.44x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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-T2

Planar Illuminance Curve



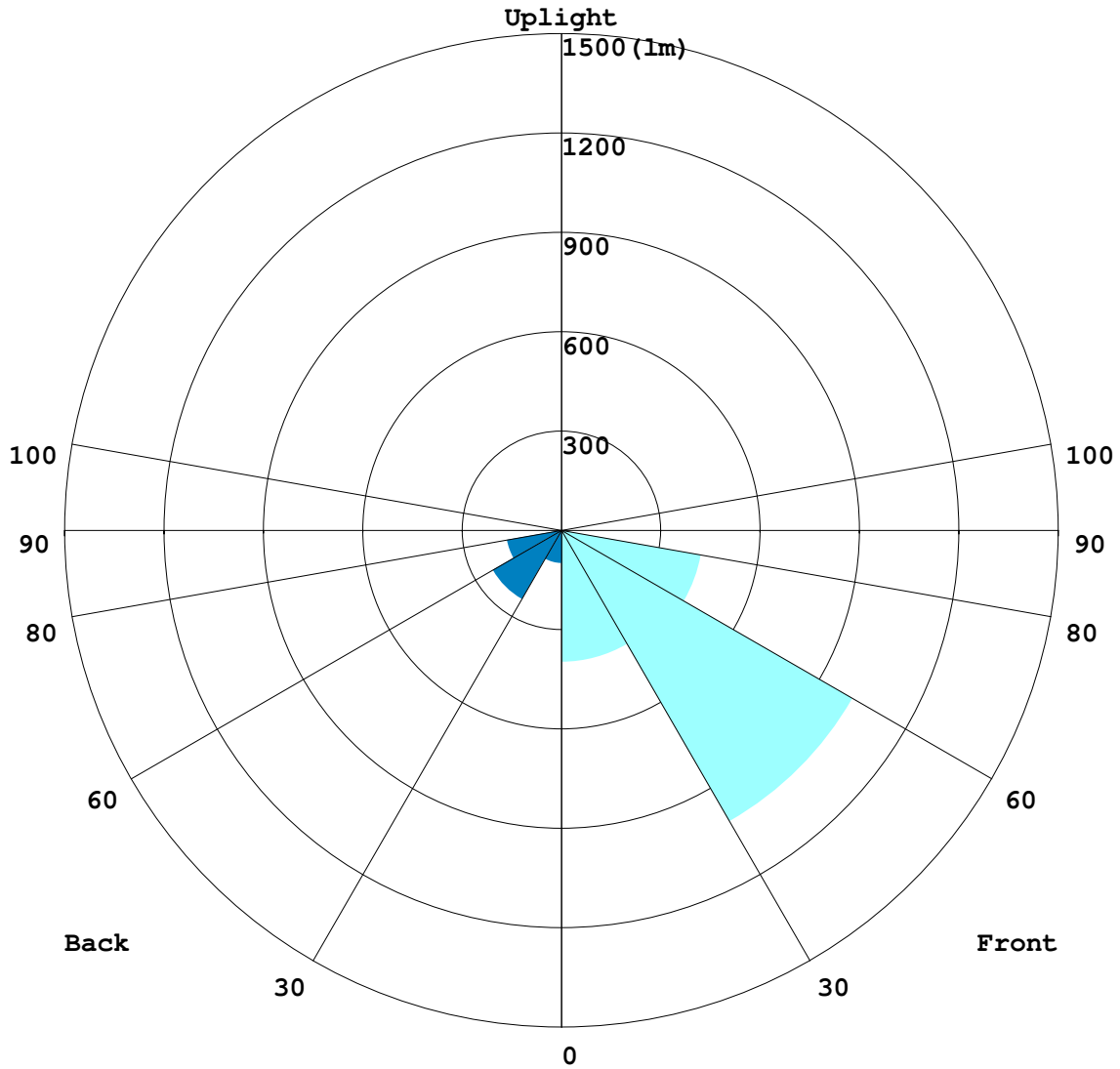
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

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-T2

LCS REPORT

Test:U:230.55V I:0.0937A P:20.098W PF:0.9306 Freq:50.01Hz Lamp Flux:2356.44x1 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-T2

BUG REPORT

Test:U:230.55V I:0.0937A P:20.098W PF:0.9306 Freq:50.01Hz Lamp Flux:2356.44x1 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)	396.99	16.8
FM - Front-Medium(30-60)	1015.1	43.1
FH - Front-High(60-80)	427.34	18.1
FVH - Front-Very High(80-90)	2.2622	0.1
Total Forward Light	1841.7	78.2

BL - Back-Low(0-30)	99.254	4.2
BM - Back-Medium(30-60)	239.41	10.2
BH - Back-High(60-80)	167.26	7.1
BVH - Back-Very High(80-90)	8.8564	0.4
Total Back Light	514.78	21.8

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	514.78	0	514.78
Street Side	1841.7	0	1841.7

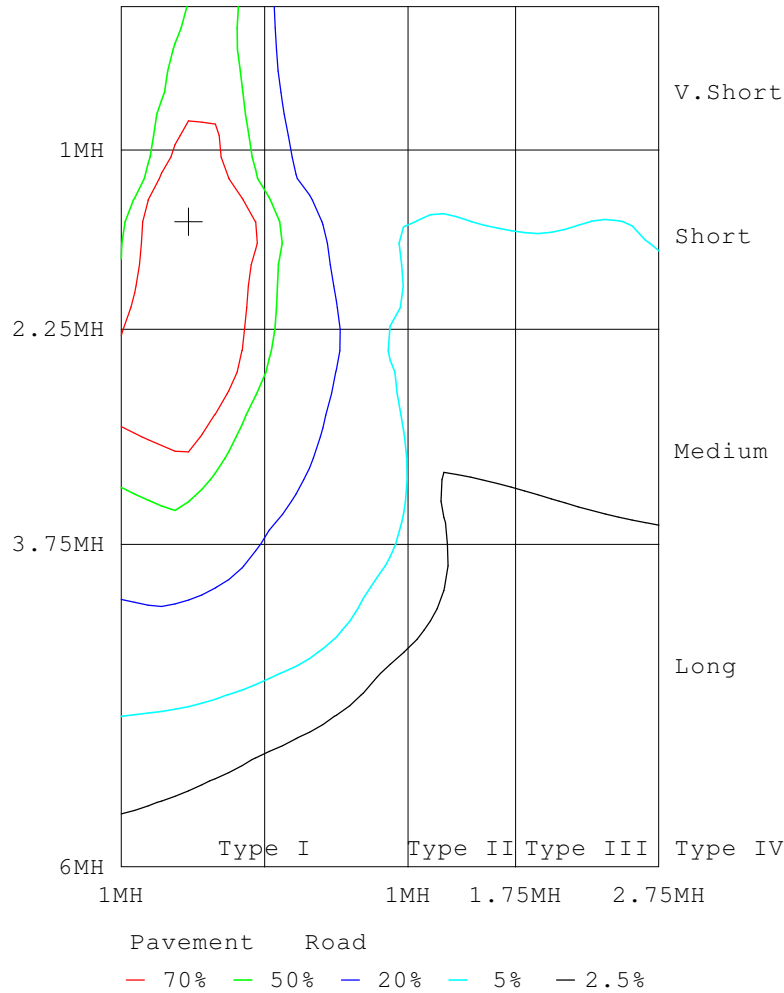
C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 07.07.2020

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-T2

ROAD ISOCANDELA REPORT

Test:U:230.55V I:0.0937A P:20.098W PF:0.9306 Freq:50.01Hz Lamp Flux:2356.44x1 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-T2

