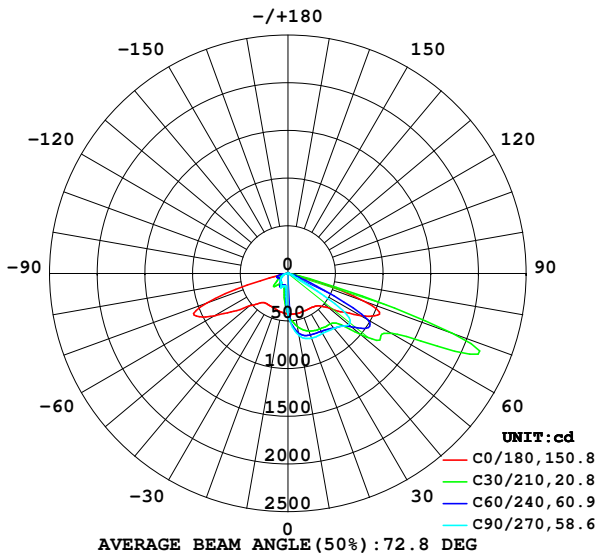
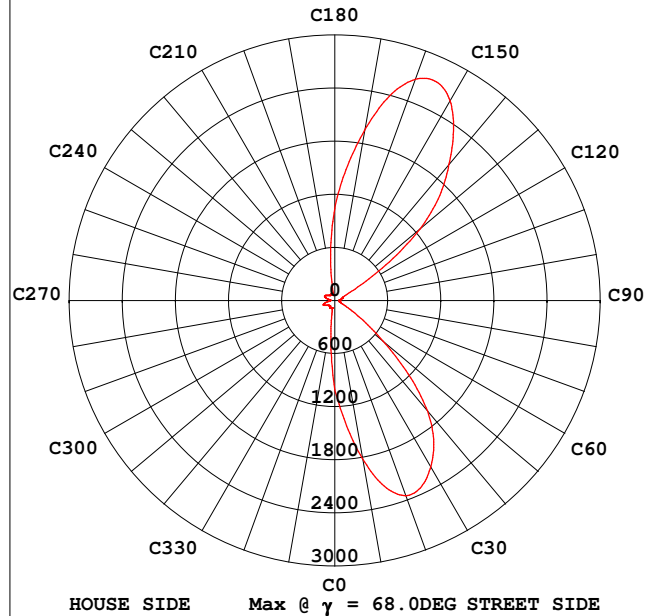


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.53V I:0.0947A P:20.536W PF:0.9404 Freq:50.01Hz Lamp Flux:2376.74x1 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: 115.74 lm/W			
MODEL	LYS15	I _{max} (cd)	2659	η street_up (%)	0.0
NOMINAL POWER (W)	20W	LOR (%)	100.0	η street_down (%)	81.5
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	2377	η house_up (%)	0.0
NOMINAL FLUX (lm)	2376.74	MAXIMUM @ (C, γ)	160,68.0	η house_down (%)	18.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	15.493

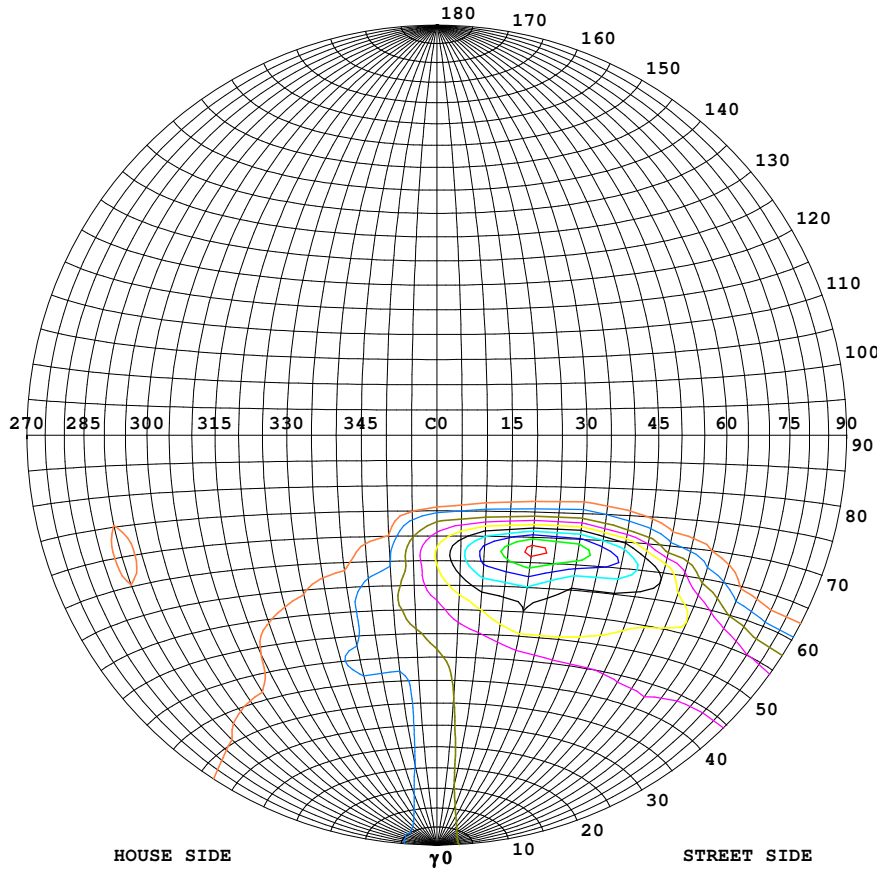
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 06.07.2020

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

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.53V I:0.0947A P:20.536W PF:0.9404 Freq:50.01Hz Lamp Flux:2376.74x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

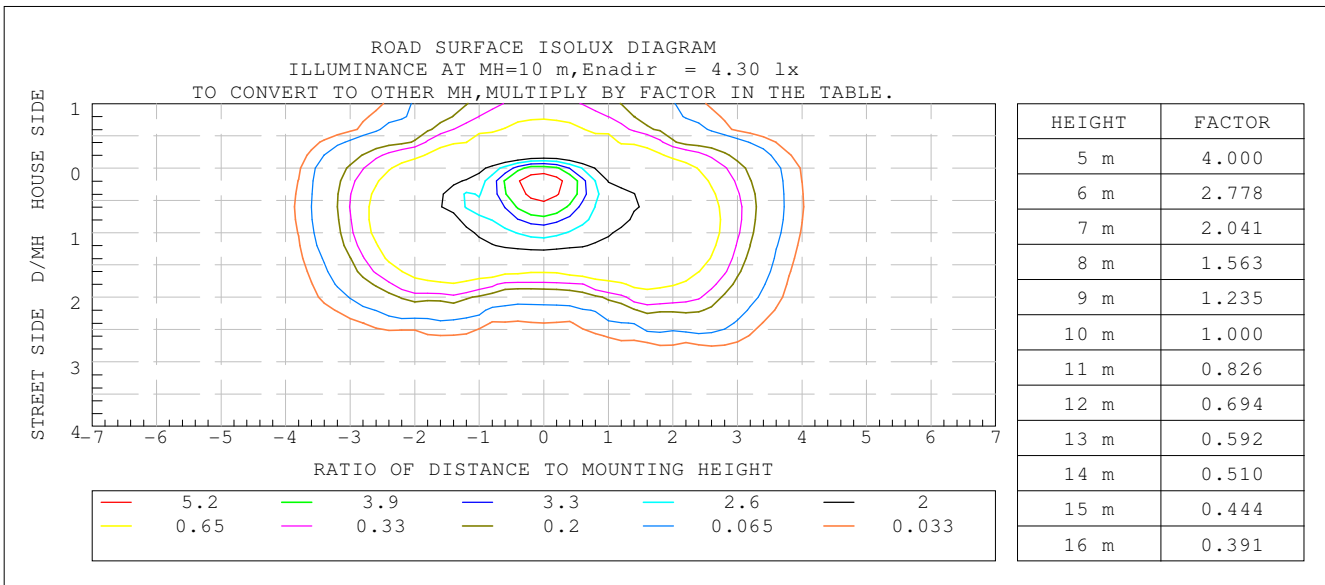
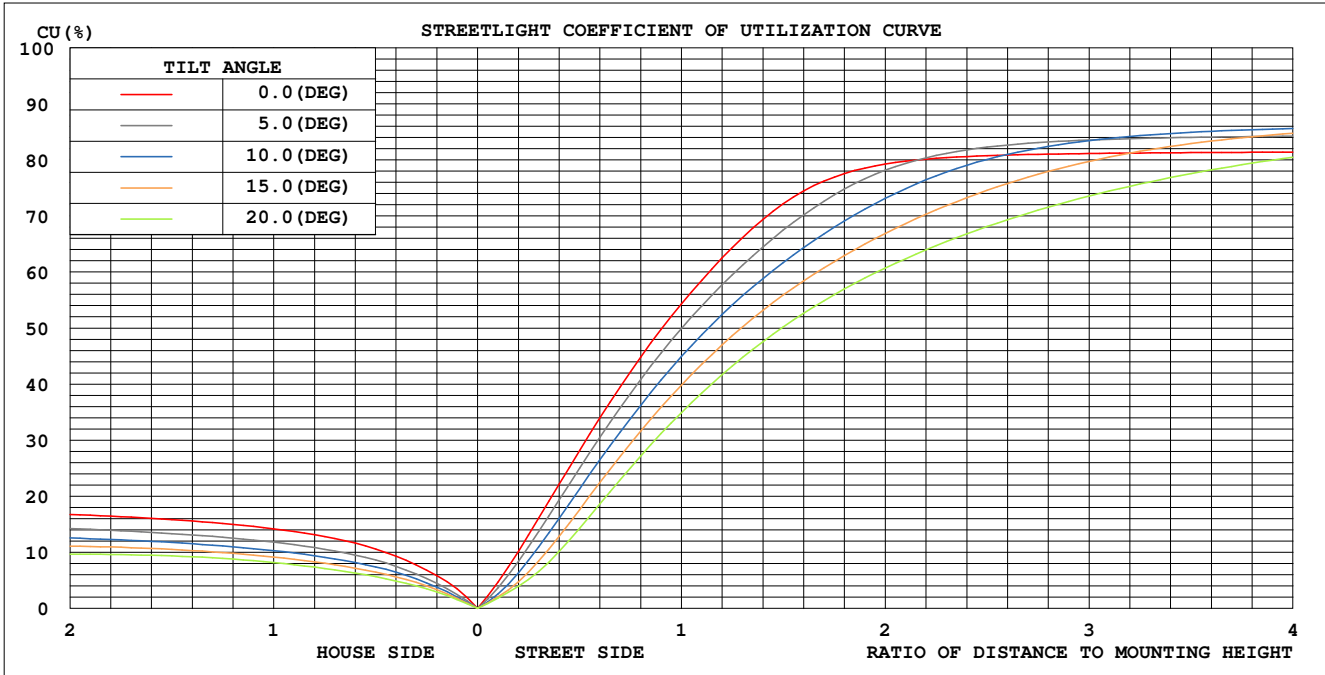
IES:Type III - Medium
 CIE:Average - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:36.04cd/klm
 Max.At90:1.030cd/klm
 Max.80-90:36.04cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2659
90%	2393
80%	2127
70%	1861
60%	1595
50%	1329
40%	1064
30%	798
20%	532
10%	266
5%	133

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:06.07.2020

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

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 06.07.2020

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

ZONAL FLUX DIAGRAM

Test:U:230.53V I:0.0947A P:20.536W PF:0.9404 Freq:50.01Hz Lamp Flux:2376.74x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

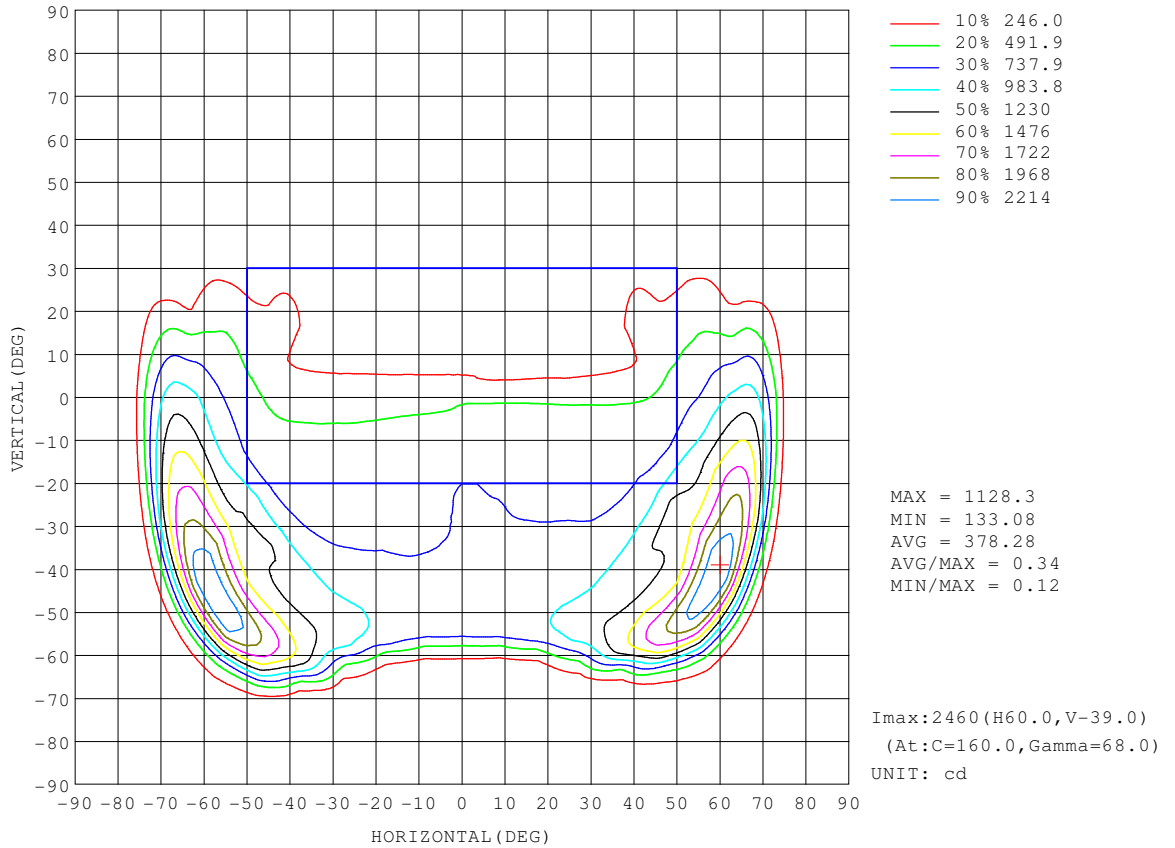
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	ϕ lum, lamp
10	431.3	604.3	659.6	620.4	412.3	179.3	143.6	177.8	0- 10	39.05	39.05	1.64,1.64
20	431.6	675.5	723.0	696.3	395.6	131.7	144.1	147.2	10- 20	115.7	154.8	6.51,6.51
30	434.0	689.2	727.1	711.4	390.4	143.3	143.5	159.5	20- 30	192.9	347.7	14.6,14.6
40	450.6	721.3	752.8	745.2	400.6	145.2	119.8	162.2	30- 40	266.9	614.6	25.9,25.9
50	559.6	918.7	834.7	970.1	530.6	122.9	104.9	139.8	40- 50	368.1	982.7	41.3,41.3
60	890.0	1235	290.1	1325	886.2	110.6	79.65	120.3	50- 60	536.7	1519	63.9,63.9
70	845.8	764.6	49.71	1325	906.6	79.64	55.87	85.96	60- 70	633.3	2153	90.6,90.6
80	17.75	13.59	6.798	29.63	26.20	32.03	17.04	44.11	70- 80	214.1	2367	99.6,99.6
90	0.4836	0.1324	0.3018	0.2460	0.6157	2.306	0.1243	1.349	80- 90	9.922	2377	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:06.07.2020

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

ISOCANDELA DIAGRAM

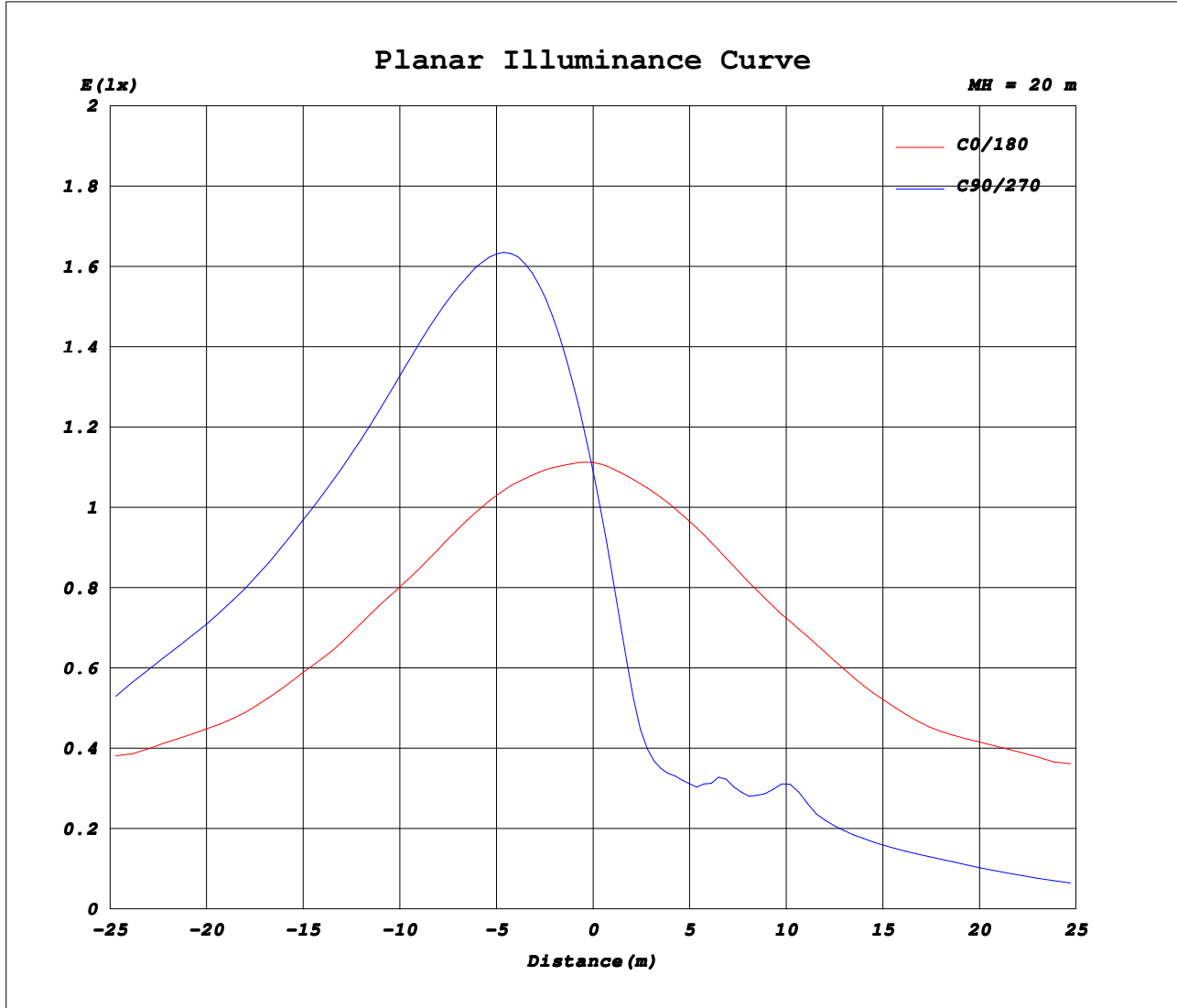
Test:U:230.53V I:0.0947A P:20.536W PF:0.9404 Freq:50.01Hz Lamp Flux:2376.74x1 lm		
NAME: LYS15	TYPE:LED	WEIGHT:4.8kg
SPEC.:20W	DIM.: 330X220X68	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:06.07.2020

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

Planar Illuminance Curve



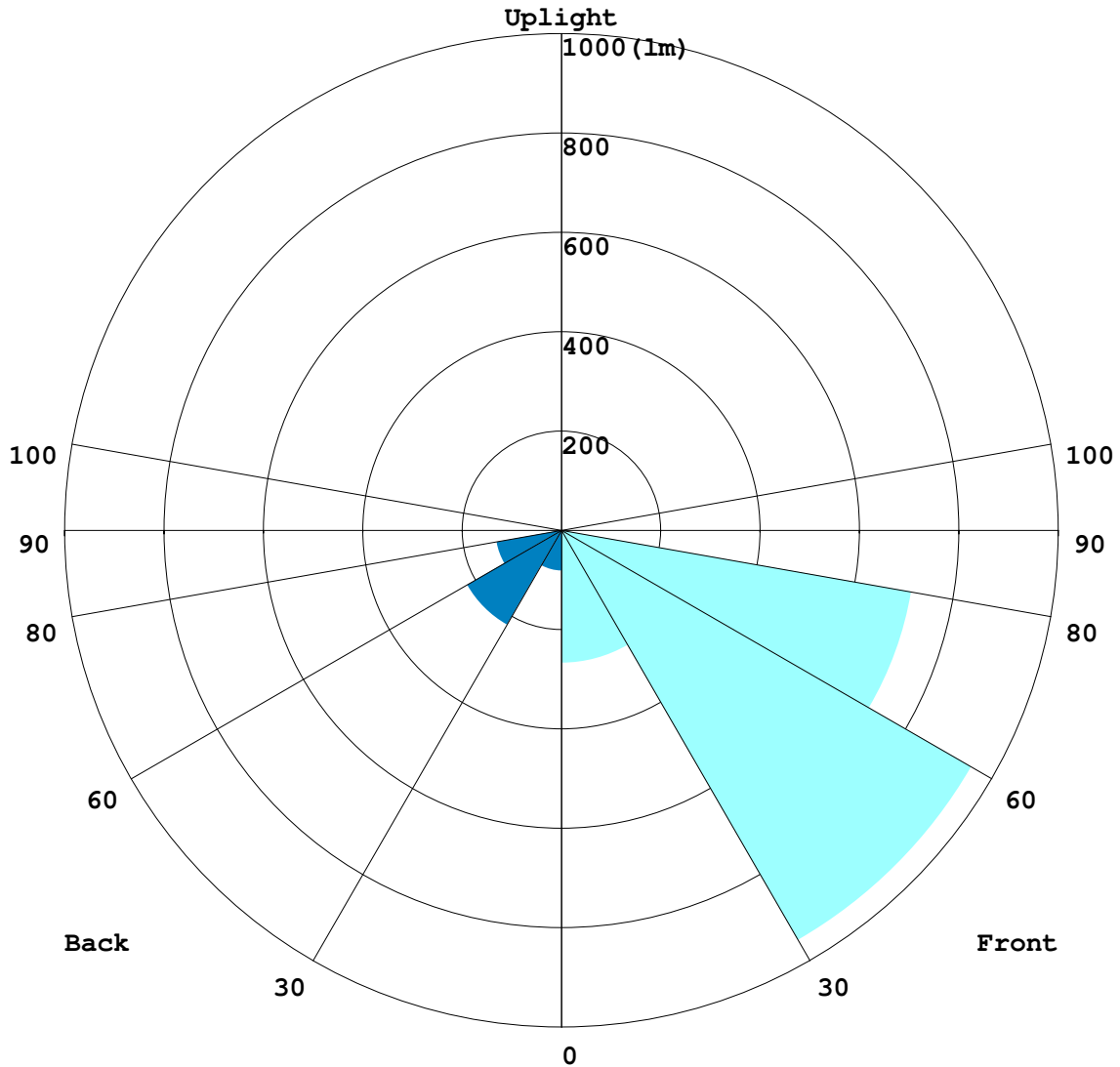
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 06.07.2020

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

LCS REPORT

Test:U:230.53V I:0.0947A P:20.536W PF:0.9404 Freq:50.01Hz Lamp Flux:2376.74x1 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: 06.07.2020

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

BUG REPORT

Test:U:230.53V I:0.0947A P:20.536W PF:0.9404 Freq:50.01Hz Lamp Flux:2376.74x1 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)	266.79	11.2
FM - Front-Medium(30-60)	952.06	40.1
FH - Front-High(60-80)	714.91	30.1
FVH - Front-Very High(80-90)	2.5753	0.1
Total Forward Light	1936.3	81.5

BL - Back-Low(0-30)	80.915	3.4
BM - Back-Medium(30-60)	219.65	9.2
BH - Back-High(60-80)	132.49	5.6
BVH - Back-Very High(80-90)	7.3472	0.3
Total Back Light	440.4	18.5

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	440.4	0	440.4
Street Side	1936.3	0	1936.3

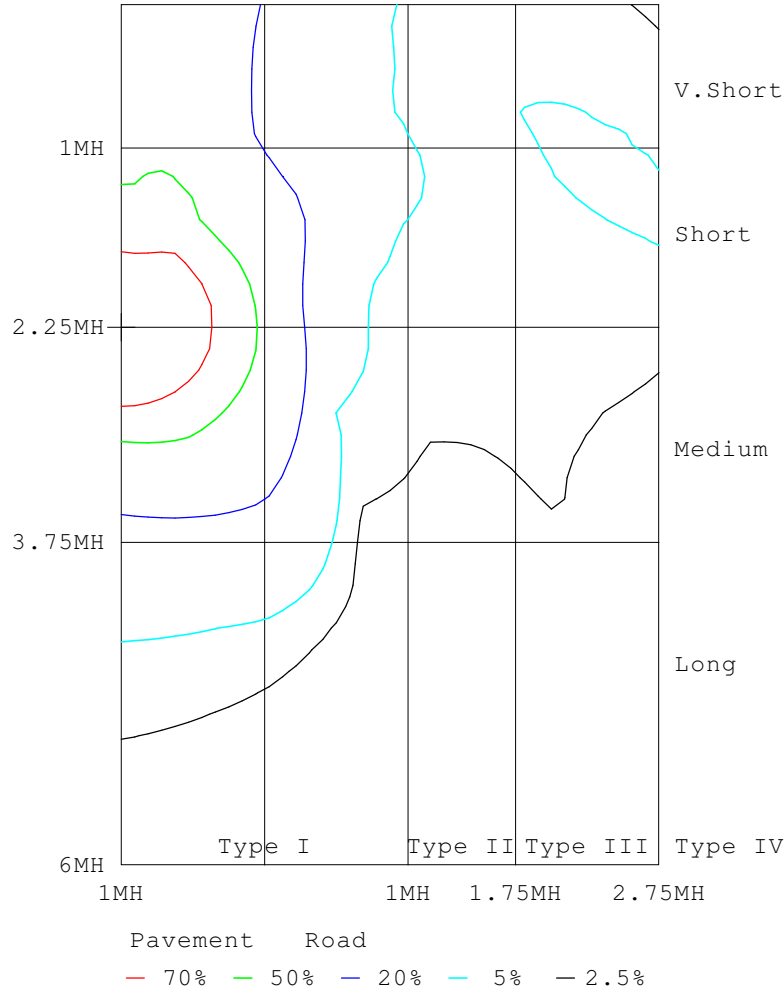
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 06.07.2020

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

ROAD ISOCANDELA REPORT

Test:U:230.53V I:0.0947A P:20.536W PF:0.9404 Freq:50.01Hz Lamp Flux:2376.74x1 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: 06.07.2020

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

