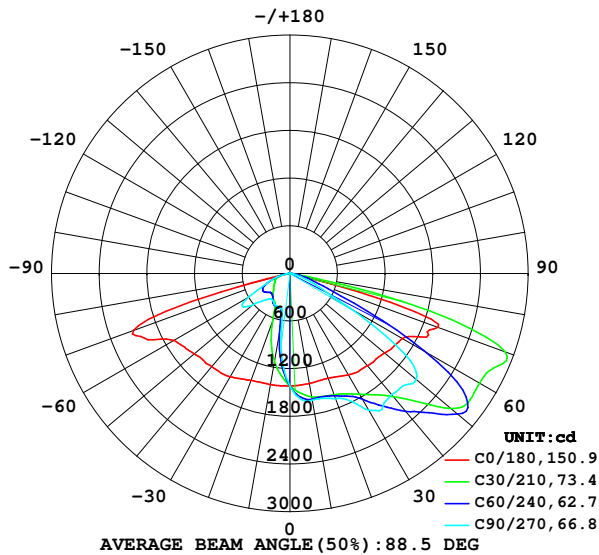
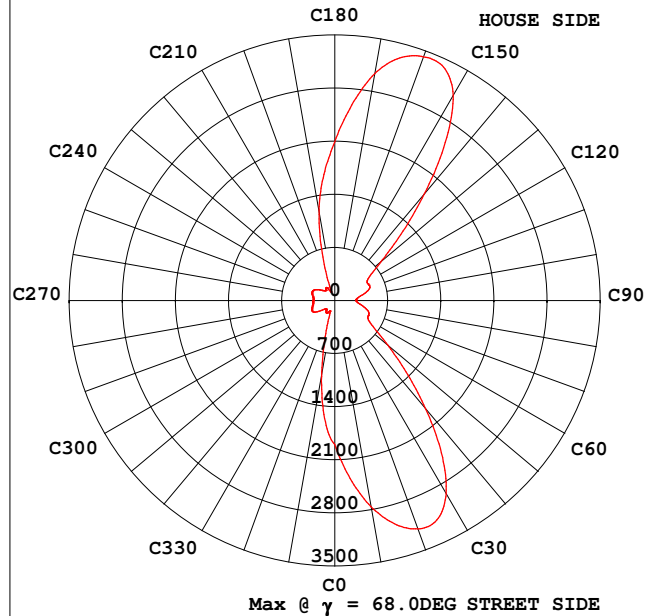


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.48V I:0.2006A P:44.587W PF:0.9646 Freq:50.01Hz Lamp Flux:5788.75x1 lm		
NAME: LYS20	TYPE:OUTDOOR	WEIGHT:5kg
SPEC.:45 WATT	DIM.: 400X240X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.83 lm/W			
MODEL	LYS20	I _{max} (cd)	3418	η street_up (%)	0.0
NOMINAL POWER (W)	45 WATT	LOR (%)	100.0	η street_down (%)	51.8
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	5789	η house_up (%)	0.0
NOMINAL FLUX (lm)	5788.75	MAXIMUM @ (C, γ)	160,68.0	η house_down (%)	48.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	16.846

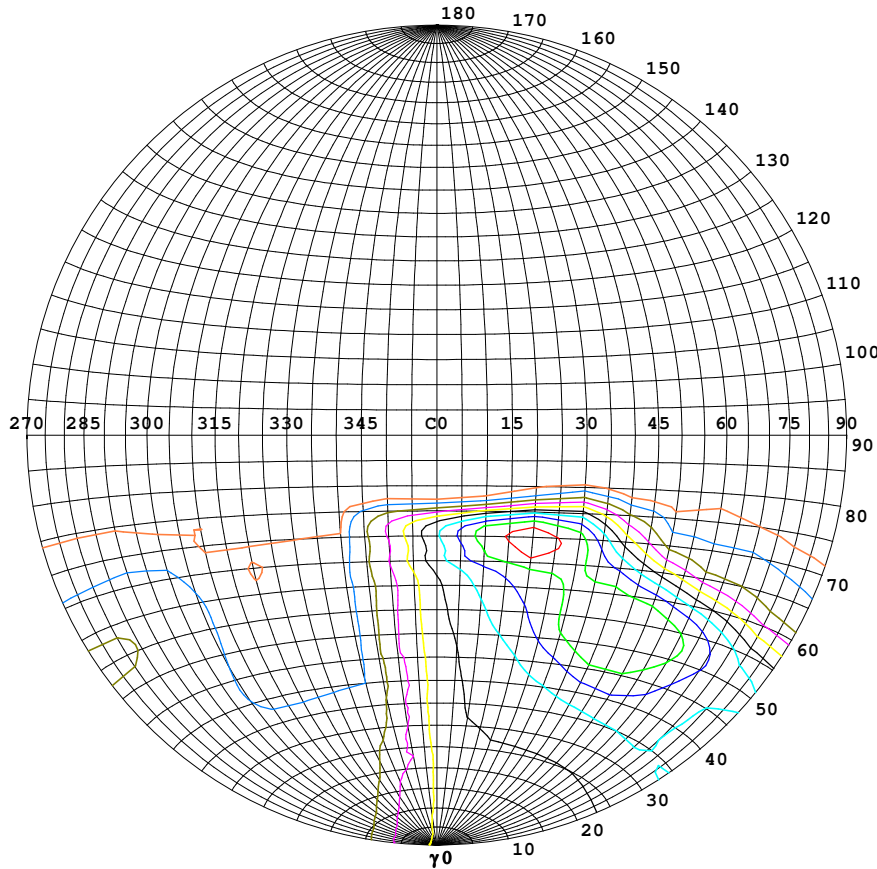
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360 DEG
C Interval: 10.0 DEG
Test Speed: HIGH
Temperature: 20 DEG
Operators: LITPA
Test Date: 16.07.2020

γ Range: 0 - 90 DEG
γ Interval: 1.0 DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0 %
Test Distance: 7.200m [K=1.0000]
Remarks: LYS20-45WATT

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.48V I:0.2006A P:44.587W PF:0.9646 Freq:50.01Hz Lamp Flux:5788.75x1 lm		
NAME: LYS20	TYPE:OUTDOOR	WEIGHT:5kg
SPEC.:45 WATT	DIM.: 400X240X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

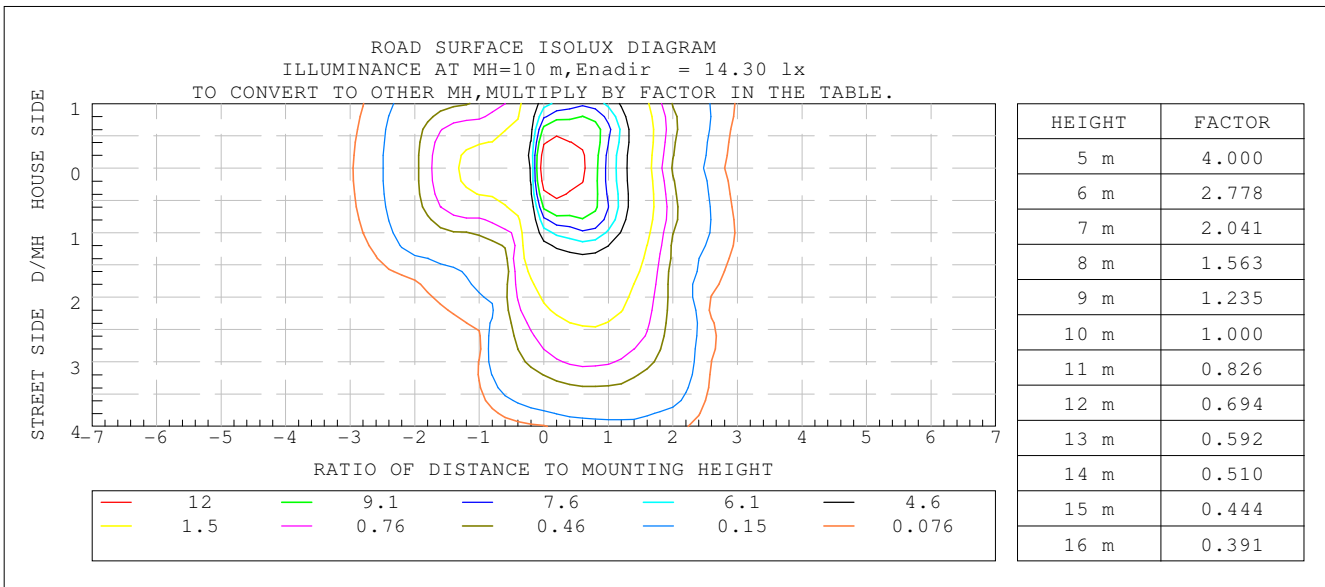
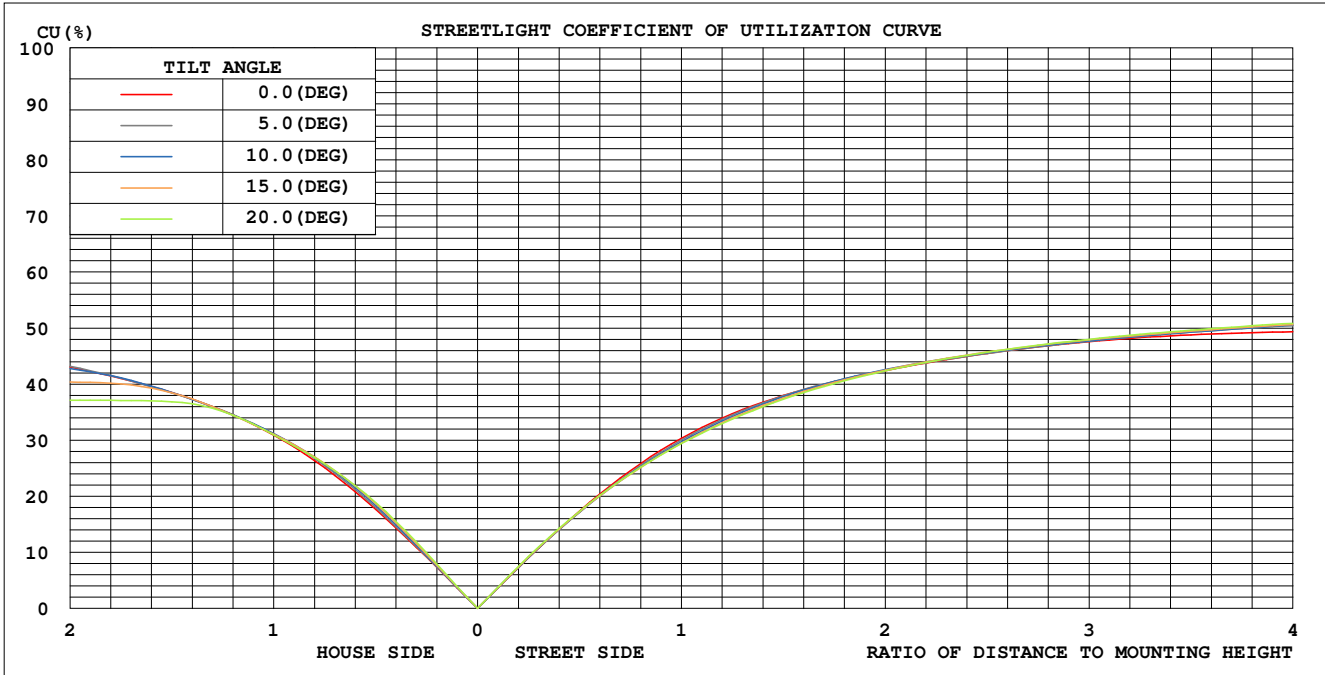
IES:Type IV - Medium
 CIE:Broad - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:41.16cd/klm
 Max.At90:0.6481cd/klm
 Max.80-90:41.16cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3418
— 90%	3077
— 80%	2735
— 70%	2393
— 60%	2051
— 50%	1709
— 40%	1367
— 30%	1026
— 20%	684
— 10%	342
— 5%	171

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:16.07.2020

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: LYS20-45WATT

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16.07.2020

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: LYS20-45WATT

ZONAL FLUX DIAGRAM

Test:U:230.48V I:0.2006A P:44.587W PF:0.9646 Freq:50.01Hz Lamp Flux:5788.75x1 lm		
NAME: LYS20	TYPE:OUTDOOR	WEIGHT:5kg
SPEC.:45 WATT	DIM.: 400X240X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

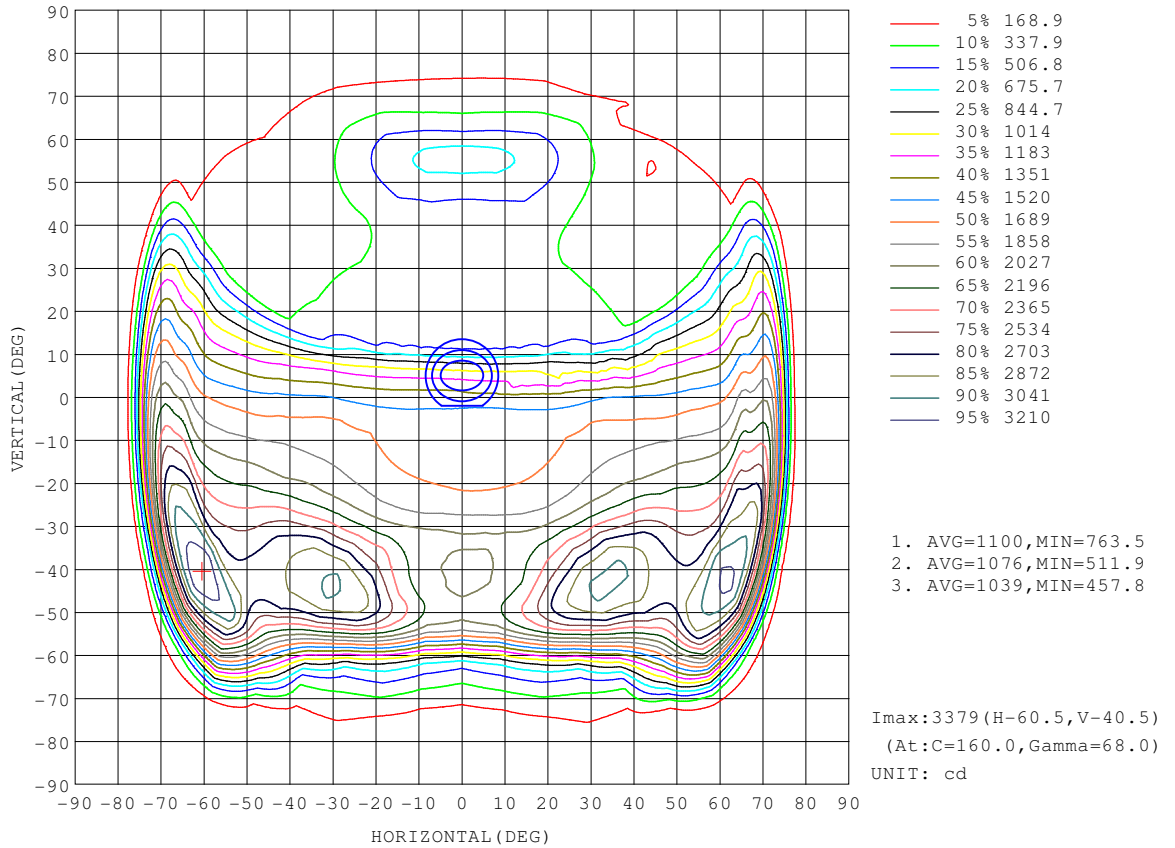
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	$\%lum, lamp$
10	1408	1605	1622	1640	1420	946.6	596.3	914.2	0- 10	128.4	128.4	2.22,2.22
20	1404	1629	1676	1677	1436	452.1	443.6	456.4	10- 20	333.7	462.1	7.98,7.98
30	1475	1779	1987	1857	1502	423.4	417.1	419.0	20- 30	540.2	1002	17.3,17.3
40	1518	2258	1994	2365	1532	326.8	421.6	324.5	30- 40	781.4	1784	30.8,30.8
50	1558	3011	2075	3034	1576	281.4	614.1	278.7	40- 50	1074	2858	49.4,49.4
60	1637	2684	875.3	2617	1688	249.4	595.5	235.8	50- 60	1299	4157	71.8,71.8
70	1985	1072	212.0	1009	2093	180.4	250.2	163.7	60- 70	1097	5253	90.8,90.8
80	45.50	94.08	41.96	85.91	44.28	68.23	36.90	76.90	70- 80	514.3	5768	99.6,99.6
90	1.338	0.5096	1.045	1.306	1.481	1.026	0.4719	1.990	80- 90	21.02	5789	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:16.07.2020

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: LYS20-45WATT

ISOCANDELA DIAGRAM

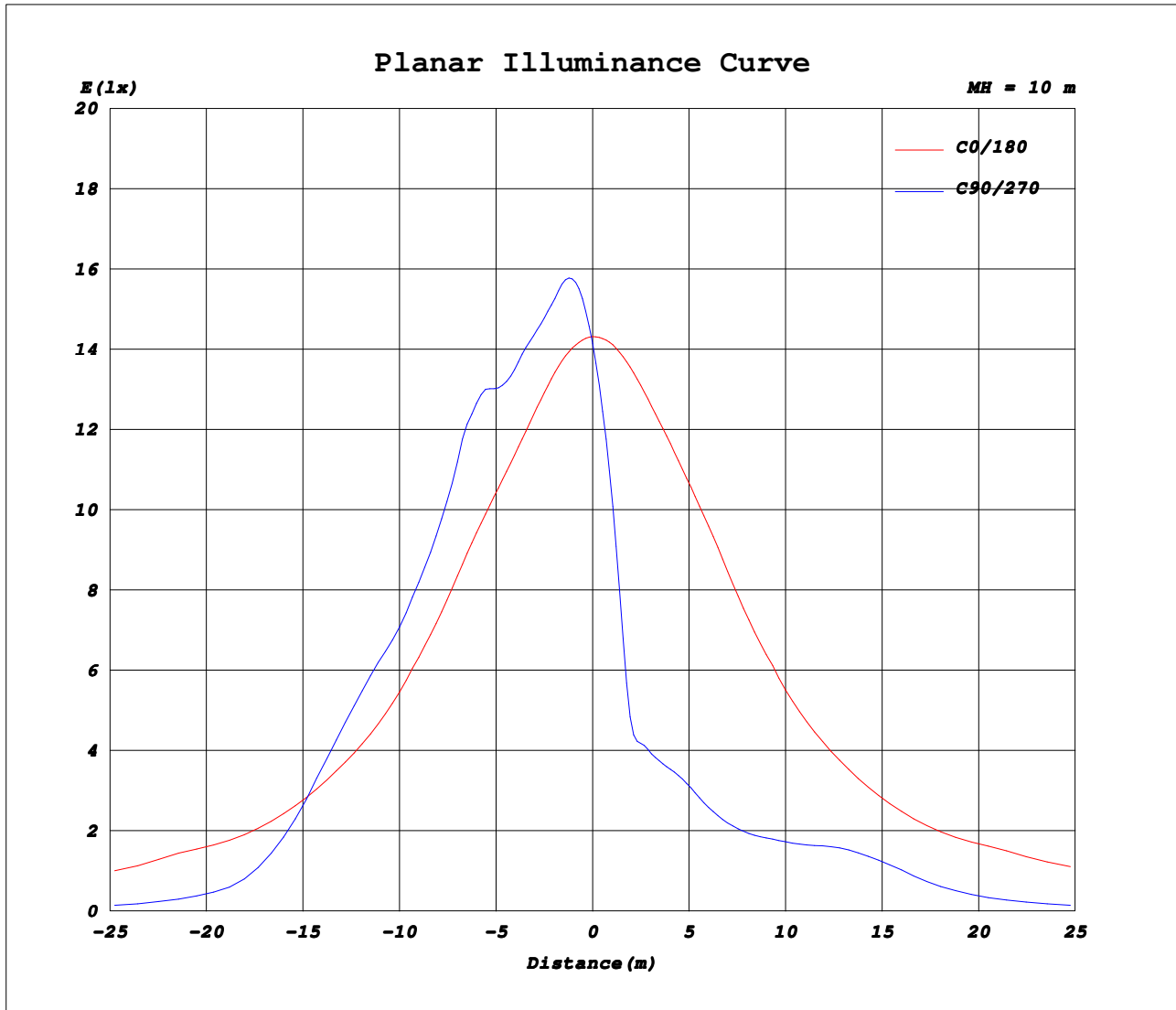
Test:U:230.48V I:0.2006A P:44.587W PF:0.9646 Freq:50.01Hz Lamp Flux:5788.75x1 lm		
NAME: LYS20	TYPE:OUTDOOR	WEIGHT:5kg
SPEC.:45 WATT	DIM.: 400X240X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16.07.2020

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: LYS20-45WATT

Planar Illuminance Curve



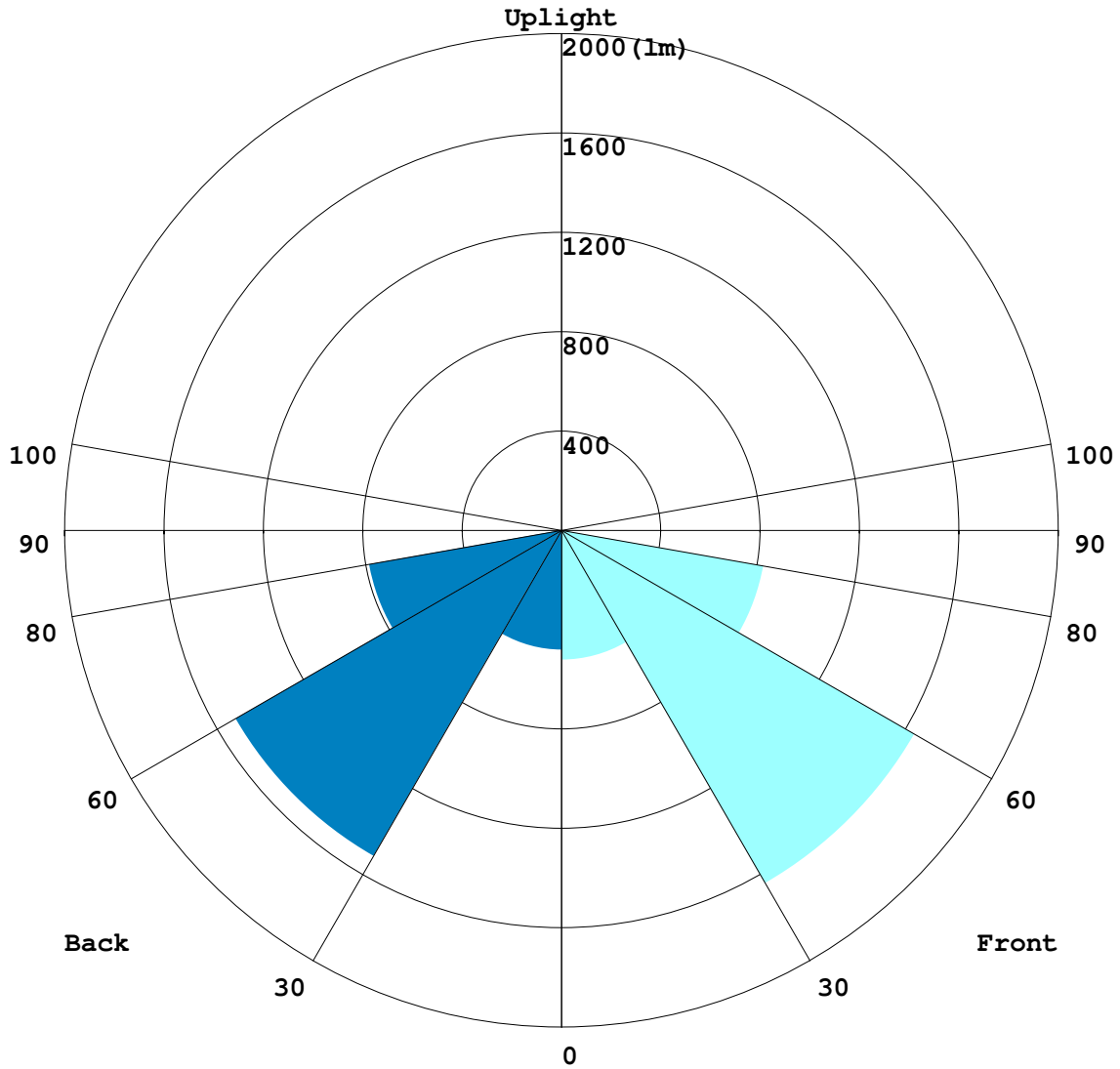
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16.07.2020

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: LYS20-45WATT

LCS REPORT

Test:U:230.48V I:0.2006A P:44.587W PF:0.9646 Freq:50.01Hz Lamp Flux:5788.75x1 lm		
NAME: LYS20	TYPE:OUTDOOR	WEIGHT:5kg
SPEC.:45 WATT	DIM.: 400X240X50	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: 16.07.2020

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: LYS20-45WATT

BUG REPORT

Test:U:230.48V I:0.2006A P:44.587W PF:0.9646 Freq:50.01Hz Lamp Flux:5788.75x1 lm		
NAME: LYS20	TYPE:OUTDOOR	WEIGHT:5kg
SPEC.:45 WATT	DIM.: 400X240X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	521.28	9.0
FM - Front-Medium(30-60)	1640.2	28.3
FH - Front-High(60-80)	824.84	14.2
FVH - Front-Very High(80-90)	11.464	0.2
Total Forward Light	2997.8	51.8

BL - Back-Low(0-30)	481.04	8.3
BM - Back-Medium(30-60)	1514.1	26.2
BH - Back-High(60-80)	786.22	13.6
BVH - Back-Very High(80-90)	9.5584	0.2
Total Back Light	2790.9	48.2

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2790.9	0	2790.9
Street Side	2997.8	0	2997.8

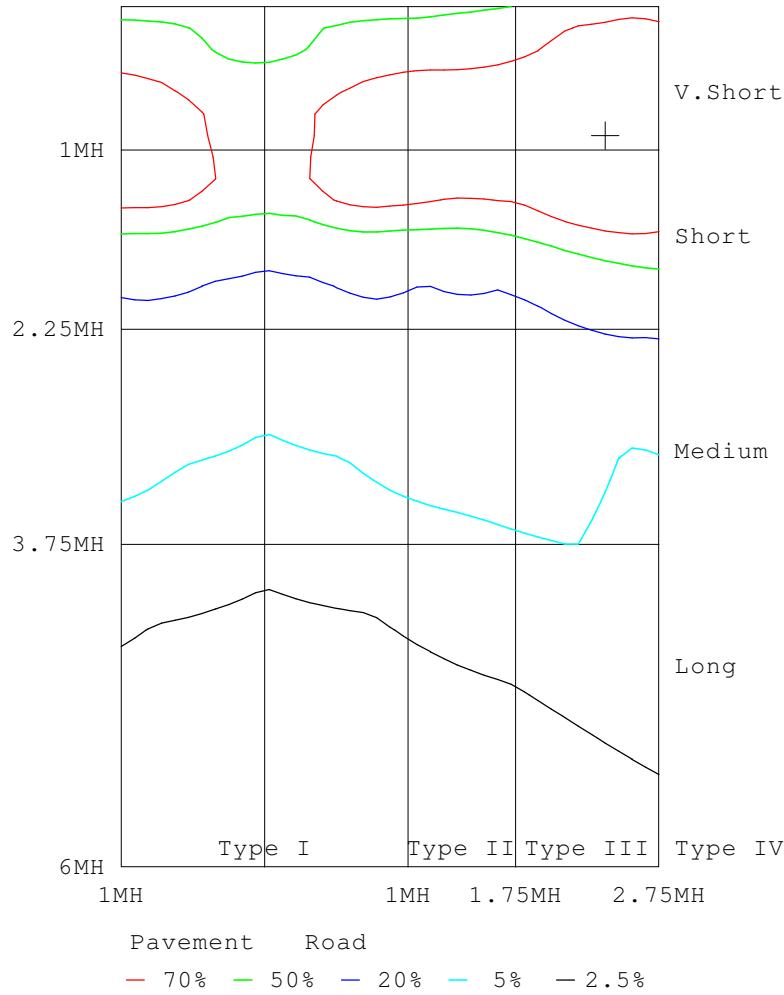
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16.07.2020

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: LYS20-45WATT

ROAD ISOCANDELA REPORT

Test:U:230.48V I:0.2006A P:44.587W PF:0.9646 Freq:50.01Hz Lamp Flux:5788.75x1 lm		
NAME: LYS20	TYPE:OUTDOOR	WEIGHT:5kg
SPEC.:45 WATT	DIM.: 400X240X50	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: 16.07.2020

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: LYS20-45WATT

