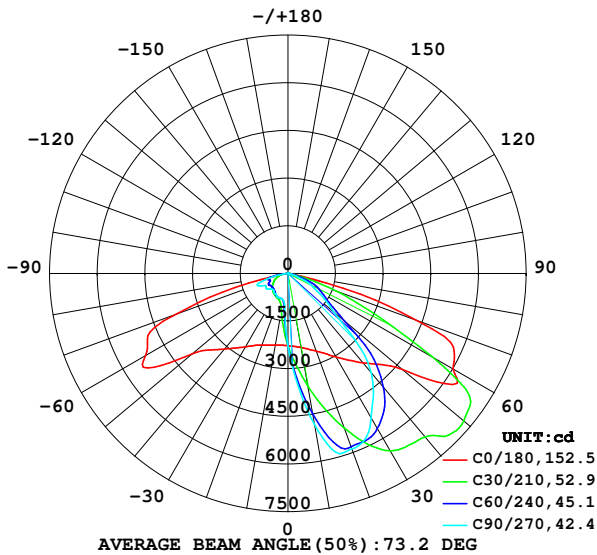
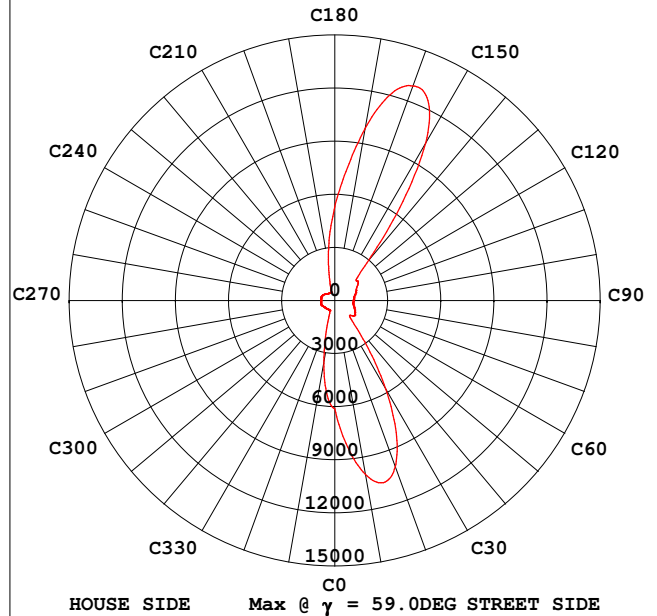


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.55 lm/W			
MODEL	LYS50	I _{max} (cd)	12902	η street_up (%)	0.0
NOMINAL POWER (W)	117	LOR (%)	100.0	η street_down (%)	80.6
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	13289	η house_up (%)	0.0
NOMINAL FLUX (lm)	13288.7	MAXIMUM @ (C, γ)	160,59.0	η house_down (%)	19.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	18.936

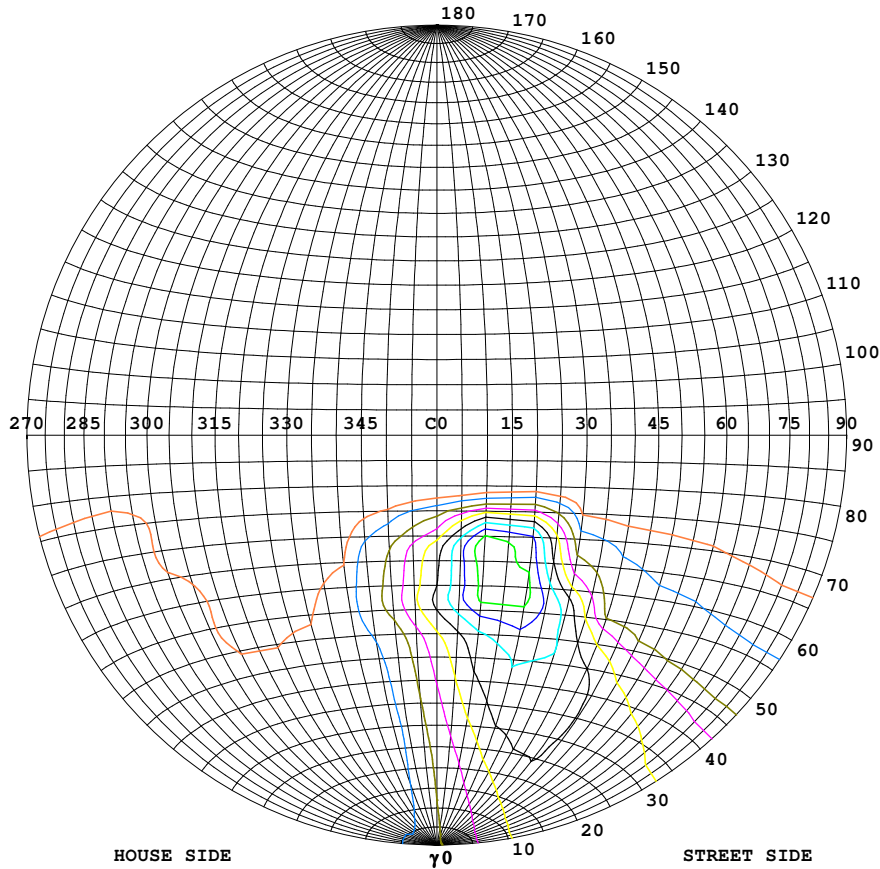
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-110W

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

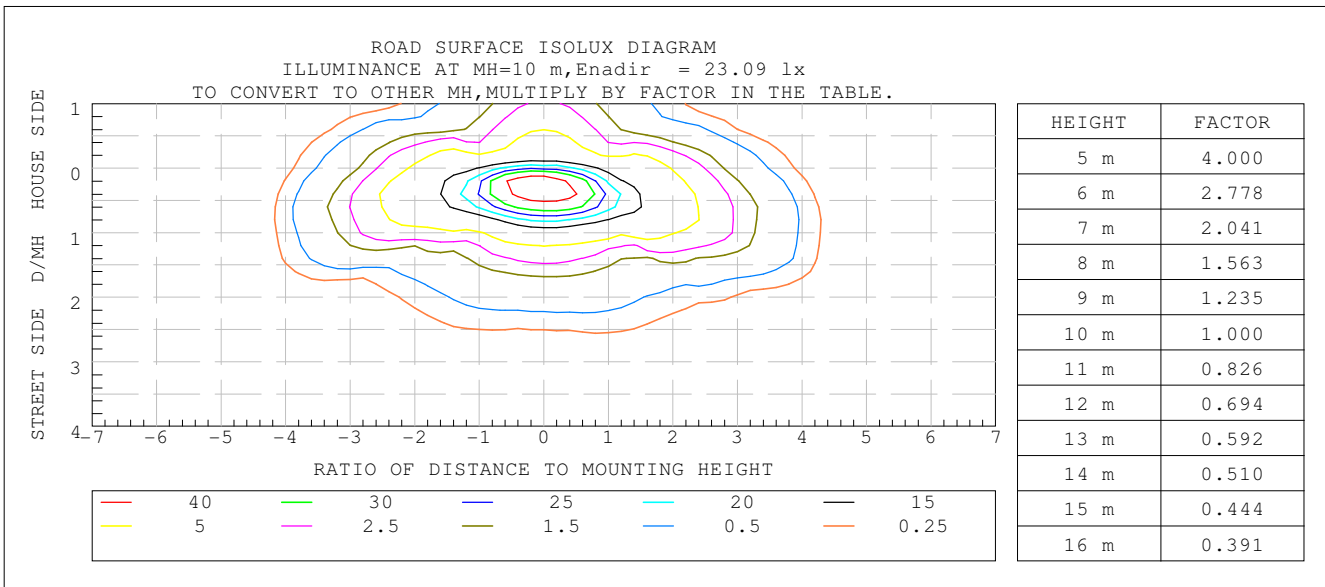
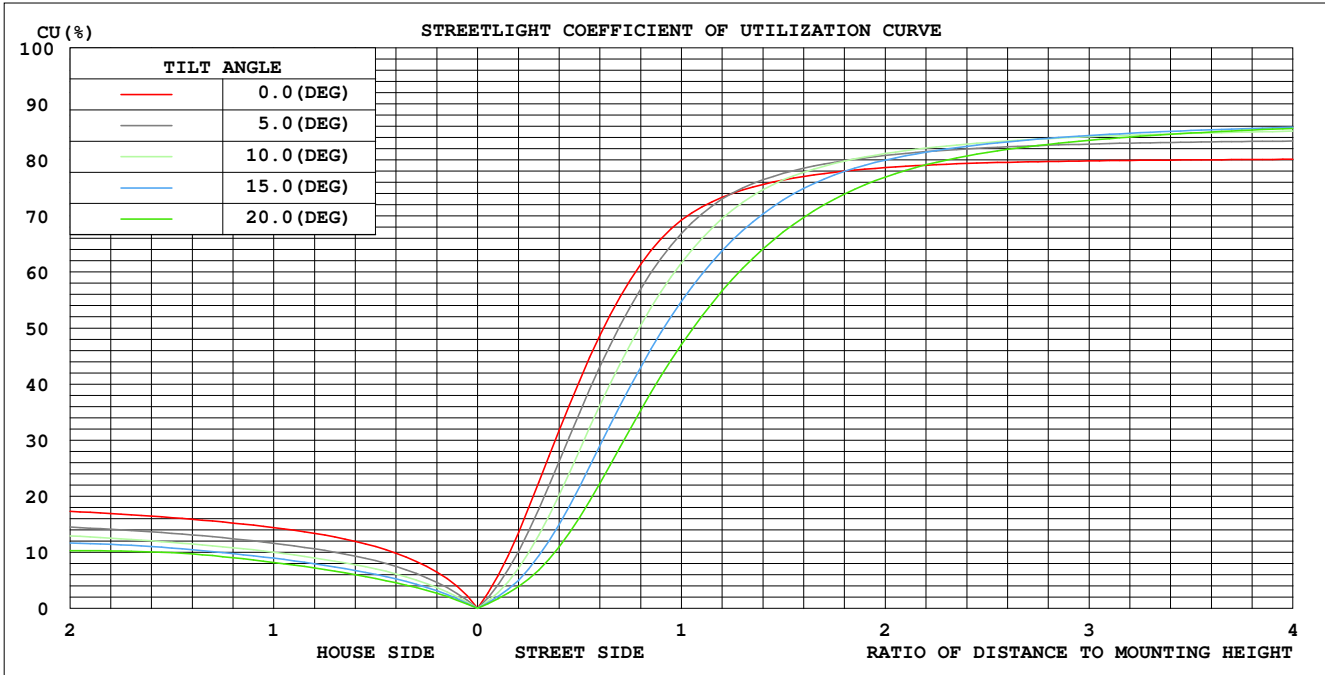
IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:47.03cd/klm
 Max.At90:0.4304cd/klm
 Max.80-90:47.03cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12902
90%	11612
80%	10322
70%	9031
60%	7741
50%	6451
40%	5161
30%	3871
20%	2580
10%	1290
5%	645

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:LITPA
 Test Date:29.06.2020

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: LYS50-110W

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-110W

ZONAL FLUX DIAGRAM

Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

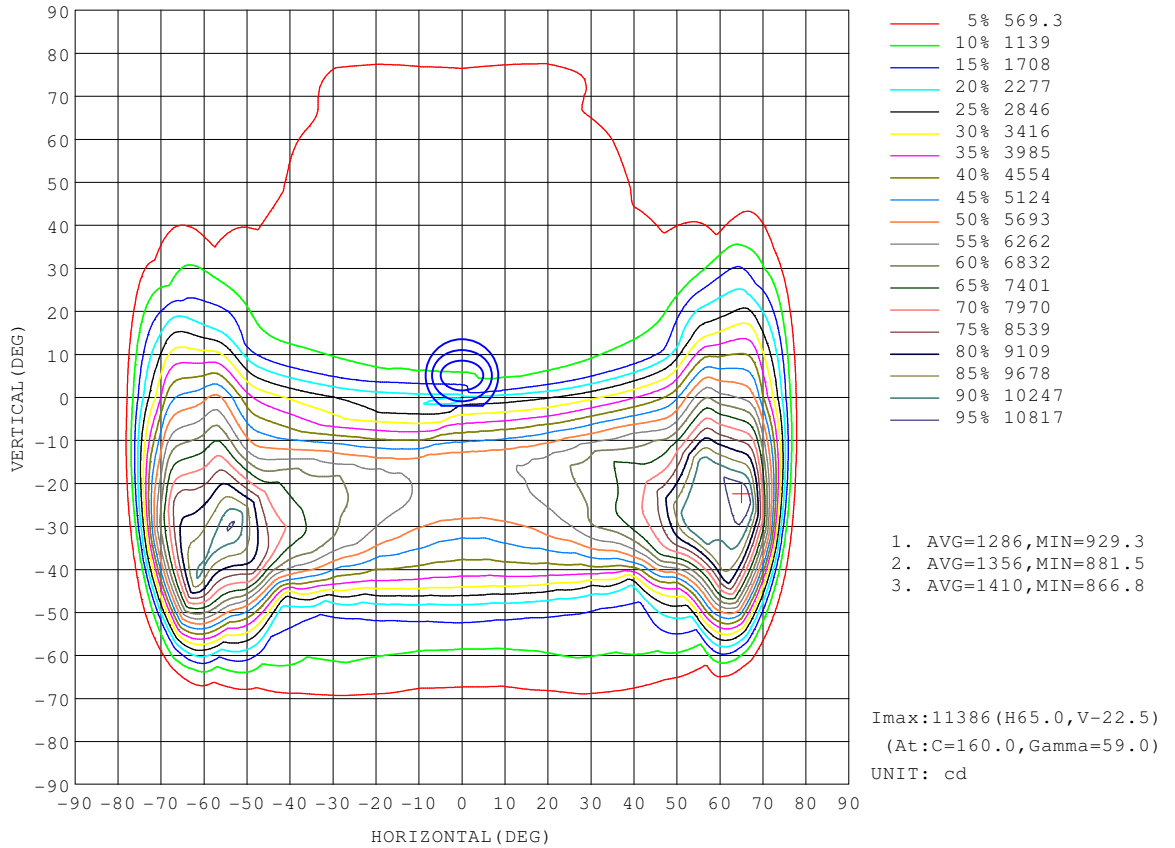
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	ϕ lum, lamp
10	237.0	409.9	481.0	427.0	228.9	97.00	85.80	107.3	0- 10	229.6	229.6	1.73,1.73
20	260.0	576.9	587.9	647.5	240.2	83.47	81.69	99.40	10- 20	836.8	1066	8.03,8.03
30	304.3	601.4	523.7	749.7	266.6	78.41	75.70	93.26	20- 30	1530	2597	19.5,19.5
40	367.7	592.2	407.6	758.9	311.2	69.02	69.86	82.10	30- 40	2113	4710	35.4,35.4
50	471.2	403.7	188.3	621.6	394.0	61.70	76.89	72.77	40- 50	2427	7136	53.7,53.7
60	600.8	143.6	99.80	215.5	518.0	56.83	79.83	65.62	50- 60	2565	9702	73,73
70	427.8	85.89	33.68	125.6	372.4	45.21	103.4	50.64	60- 70	2404	12106	91.1,91.1
80	18.84	21.96	2.656	28.75	21.17	19.43	23.25	20.65	70- 80	1112	13218	99.5,99.5
90	0.3439	0.1117	0.2611	0.3688	0.4172	0.1445	0.1445	0.3192	80- 90	70.75	13289	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: μ Á10cd								UNIT: lm			

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-110W

ISOCANDELA DIAGRAM

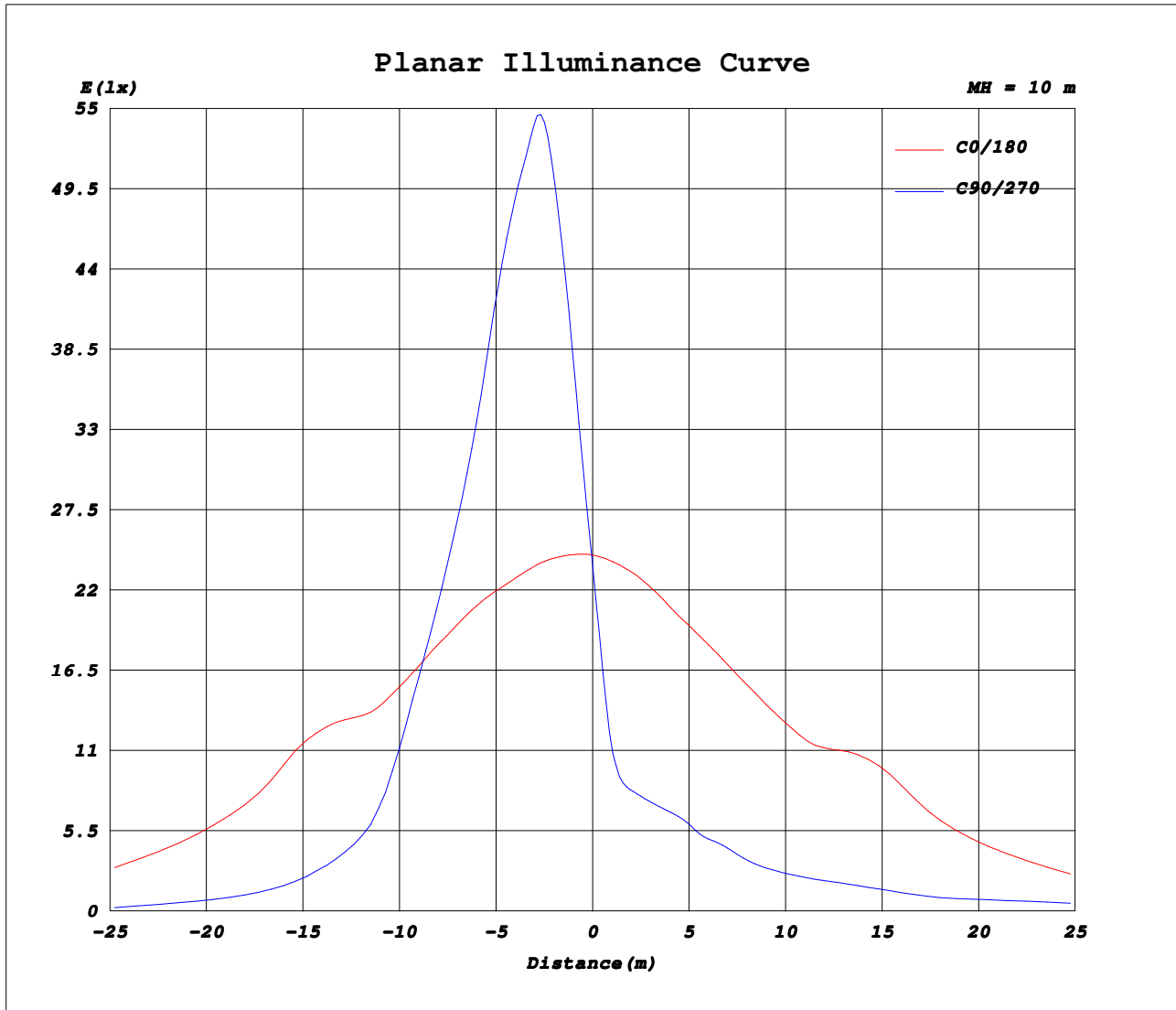
Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-110W

Planar Illuminance Curve



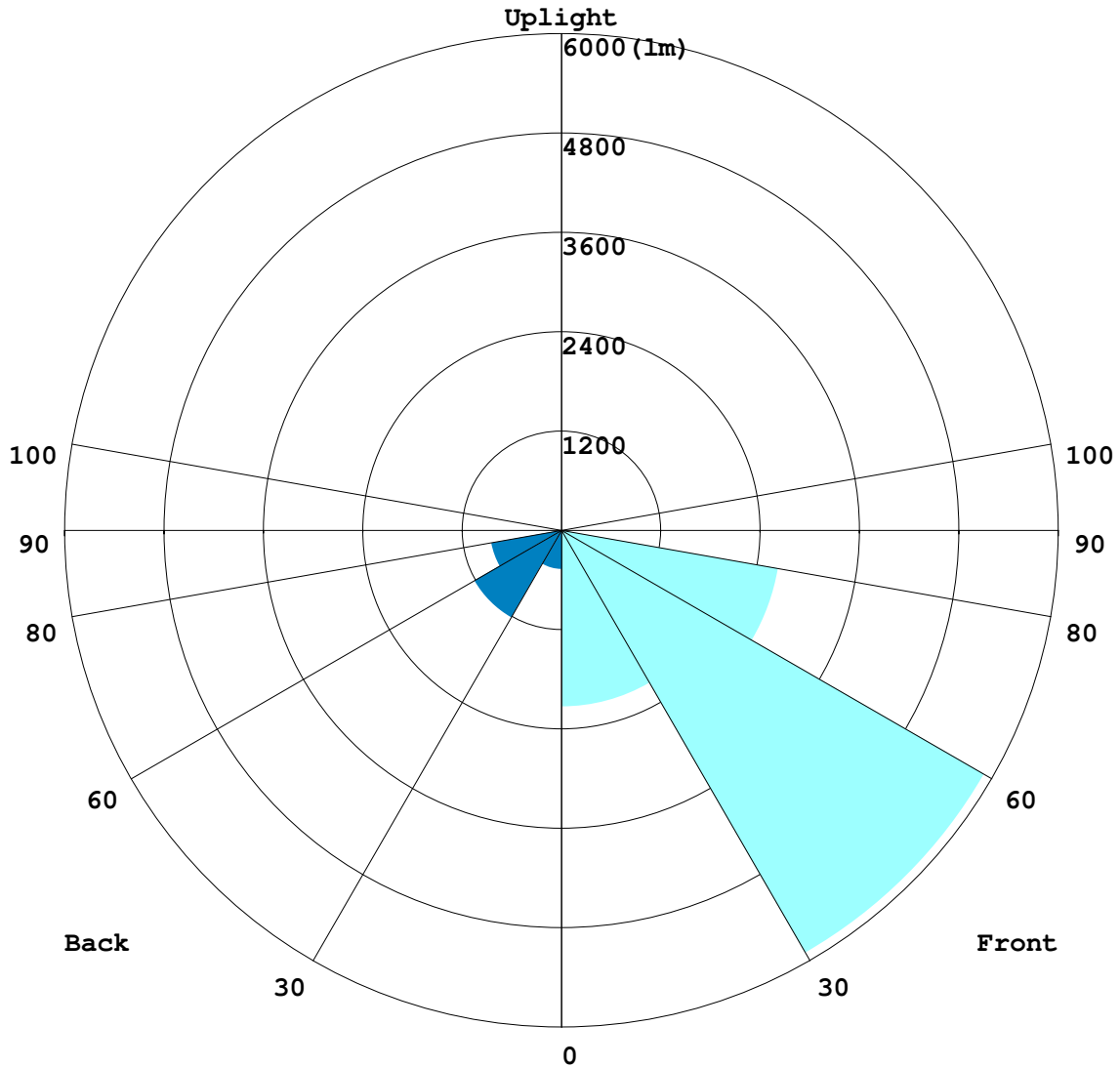
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-110W

LCS REPORT

Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	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: 29.06.2020

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: LYS50-110W

BUG REPORT

Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2129.6	16.0
FM - Front-Medium(30-60)	5890.4	44.3
FH - Front-High(60-80)	2657.7	20.0
FVH - Front-Very High(80-90)	34.634	0.3
Total Forward Light	10712	80.6

BL - Back-Low(0-30)	466.94	3.5
BM - Back-Medium(30-60)	1214.9	9.1
BH - Back-High(60-80)	858.53	6.5
BVH - Back-Very High(80-90)	36.121	0.3
Total Back Light	2576.4	19.4

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	2576.4	0	2576.4
Street Side	10712	0	10712

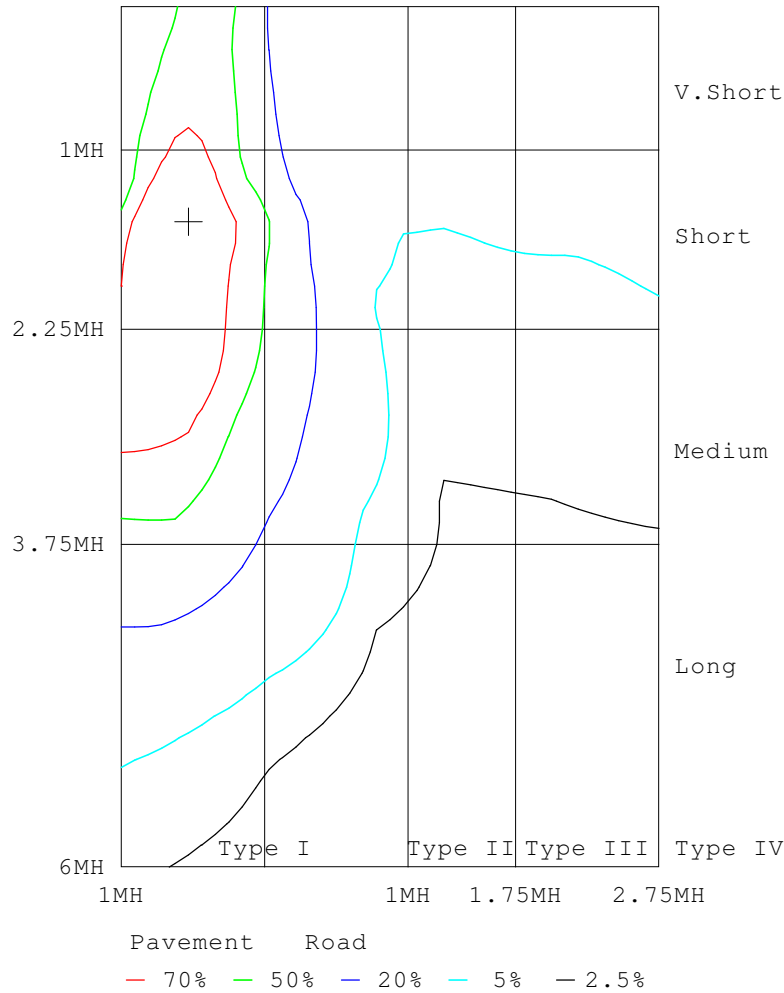
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-110W

ROAD ISOCANDELA REPORT

Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	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: 29.06.2020

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: LYS50-110W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.48V I:0.4872A P:110.23W PF:0.9817 Freq:50.01Hz Lamp Flux:13288.7x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:110W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ A10cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228		
5	208	188	171	156	142	132	125	121	120	121	125	131	137	149	166	186	209		
10	190	152	121	102	92.4	87.3	86.1	84.7	85.8	85.7	88.3	91.7	103	111	125	152	195		
15	174	121	95.0	86.3	84.3	82.3	82.4	81.3	82.6	82.4	84.8	87.7	99.0	103	111	130	183		
20	158	101	87.1	83.7	83.2	81.9	82.6	80.4	81.7	81.8	85.2	87.0	97.8	101	106	118	173		
25	145	91.4	84.0	81.8	81.6	80.7	82.1	80.4	81.5	81.7	84.7	85.8	95.6	98.2	102	110	167		
30	138	86.6	80.8	78.0	78.9	78.4	76.9	74.9	75.7	75.9	79.5	83.8	92.6	94.0	98.7	106	167		
35	133	83.8	77.9	74.6	73.4	71.6	72.0	72.8	75.7	73.3	74.0	75.8	86.2	90.5	95.8	104	171		
40	128	80.6	74.0	70.4	67.6	68.4	70.0	69.6	69.9	70.4	71.6	72.1	78.7	85.5	91.5	101	176		
45	127	75.5	69.4	64.8	64.5	66.3	69.6	70.8	70.8	71.8	70.8	69.8	74.9	78.1	85.8	95.7	189		
50	141	72.4	64.6	61.3	62.1	66.2	71.9	73.0	76.9	74.0	73.4	69.3	72.0	73.5	80.1	96.1	234		
55	203	71.0	58.5	56.8	60.4	67.4	78.9	80.8	83.7	82.0	79.4	69.5	69.5	67.6	72.6	104	349		
60	204	63.8	51.2	53.0	60.7	70.7	77.9	79.5	79.8	80.4	80.2	72.6	68.6	62.6	61.9	96.5	357		
65	178	49.5	44.5	48.0	57.7	64.8	79.6	90.2	93.7	90.6	76.8	67.5	63.7	55.4	53.7	73.4	329		
70	112	34.4	35.8	41.5	49.0	61.2	102	104	103	107	98.6	56.3	54.1	47.1	41.1	43.8	224		
75	45.6	23.1	26.9	33.0	35.8	67.2	89.7	73.1	68.1	78.3	92.0	56.7	40.5	36.1	29.8	26.5	84.8		
80	11.1	11.8	16.2	19.7	19.2	39.4	35.2	27.2	23.2	30.0	37.9	34.2	21.3	20.0	16.2	12.5	13.3		
85	2.71	3.30	3.82	4.64	4.04	6.96	5.11	1.25	0.34	2.87	6.68	5.93	3.89	3.77	3.51	3.46	3.25		
90	0.46	0.42	0.29	0.16	0.13	0.12	0.11	0.12	0.14	0.21	0.29	0.34	0.33	0.31	0.45	0.56	0.57		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-110W