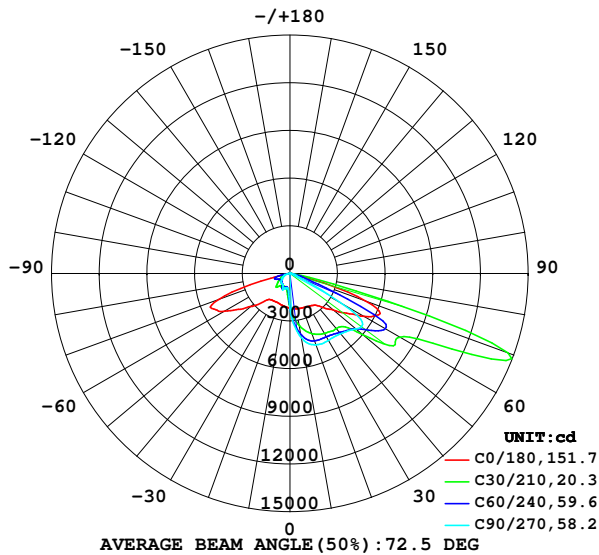
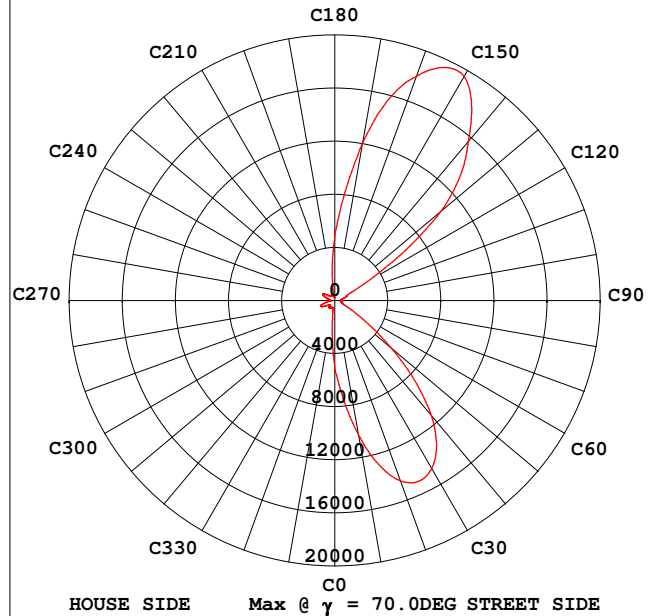


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.87 lm/W			
MODEL	LYS50	I _{max} (cd)	19511	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	83.1
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	16375	η house_up (%)	0.0
NOMINAL FLUX (lm)	16375.1	MAXIMUM @ (C, γ)	150, 70.0	η house_down (%)	16.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	18.599

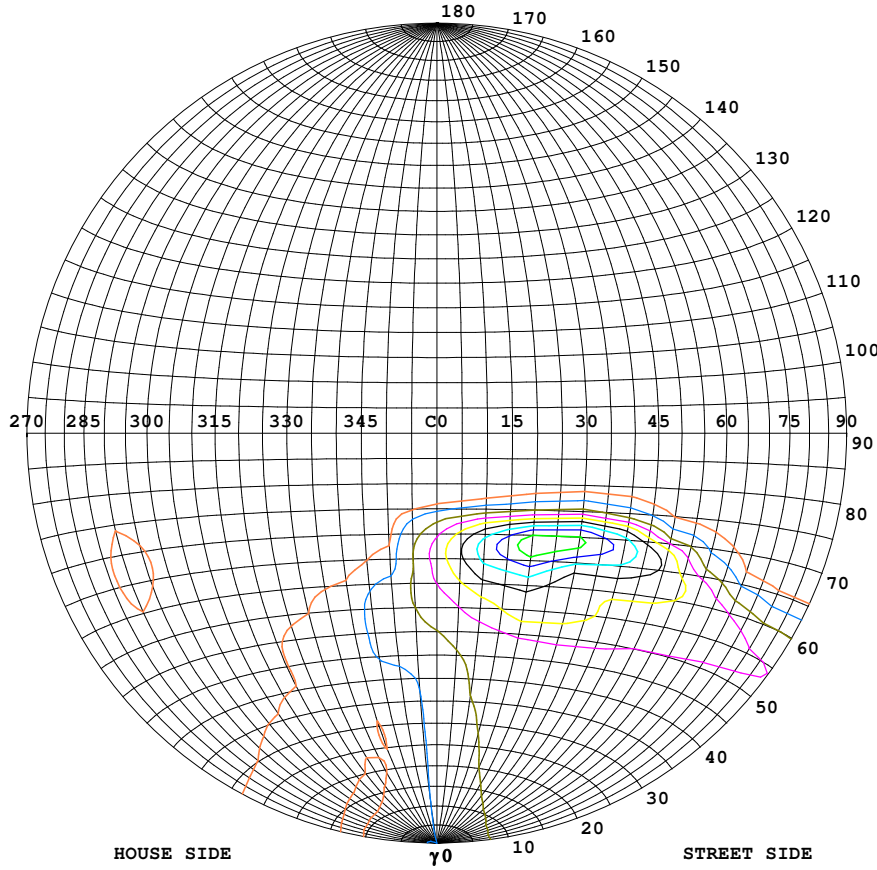
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30.06.2020

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: LYS50-150W

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

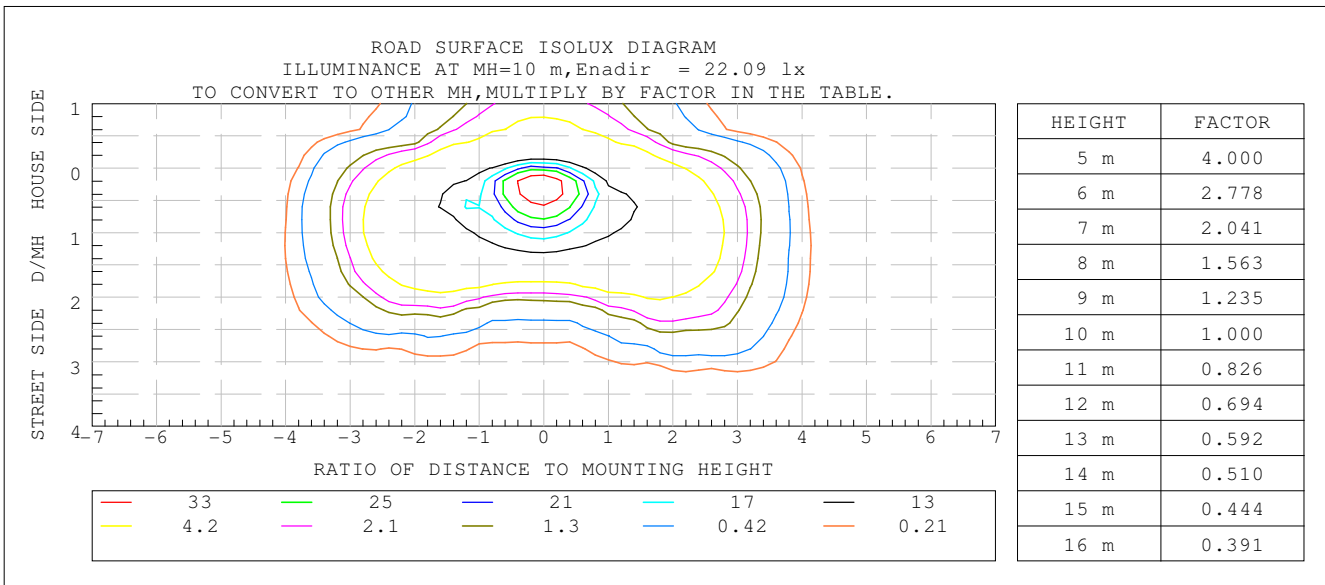
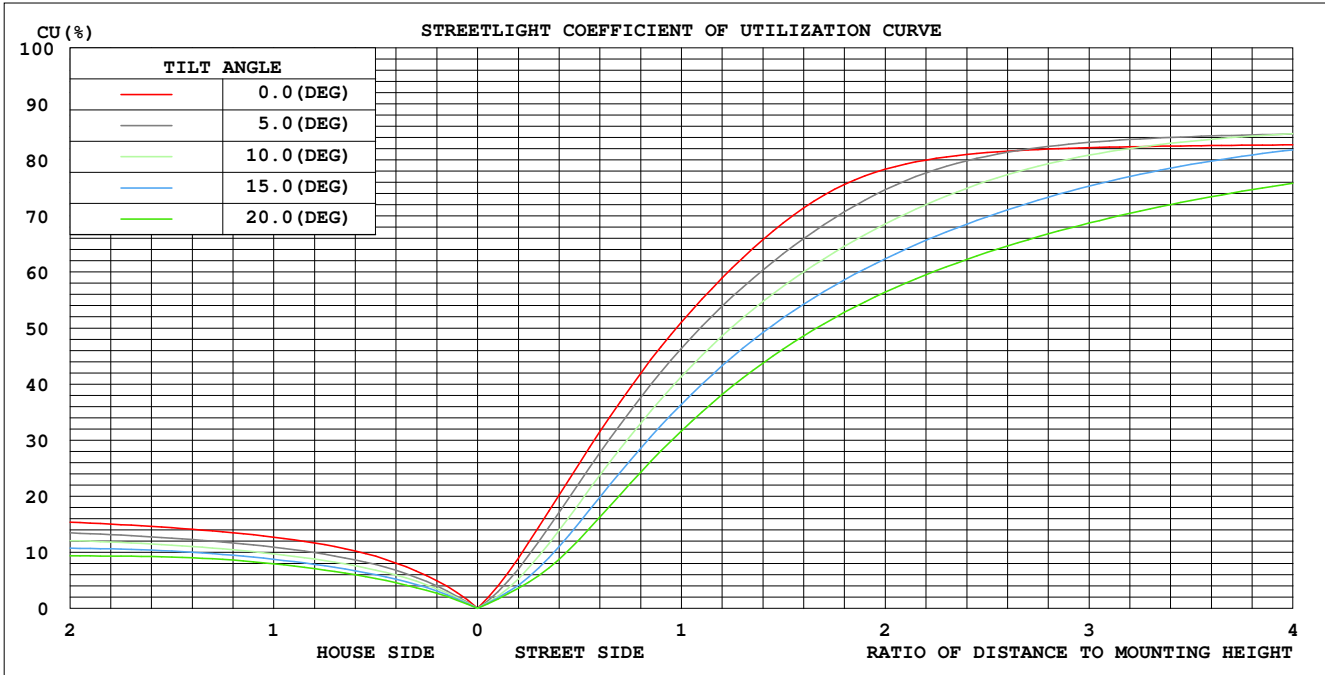
IES:Type III - Medium
 CIE:Broad - Long
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:74.56cd/klm
 Max.At90:0.7486cd/klm
 Max.80-90:74.56cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	19511
90%	17560
80%	15609
70%	13658
60%	11707
50%	9756
40%	7804
30%	5853
20%	3902
10%	1951
5%	976

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:30.06.2020

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: LYS50-150W

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30.06.2020

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: LYS50-150W

ZONAL FLUX DIAGRAM

Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

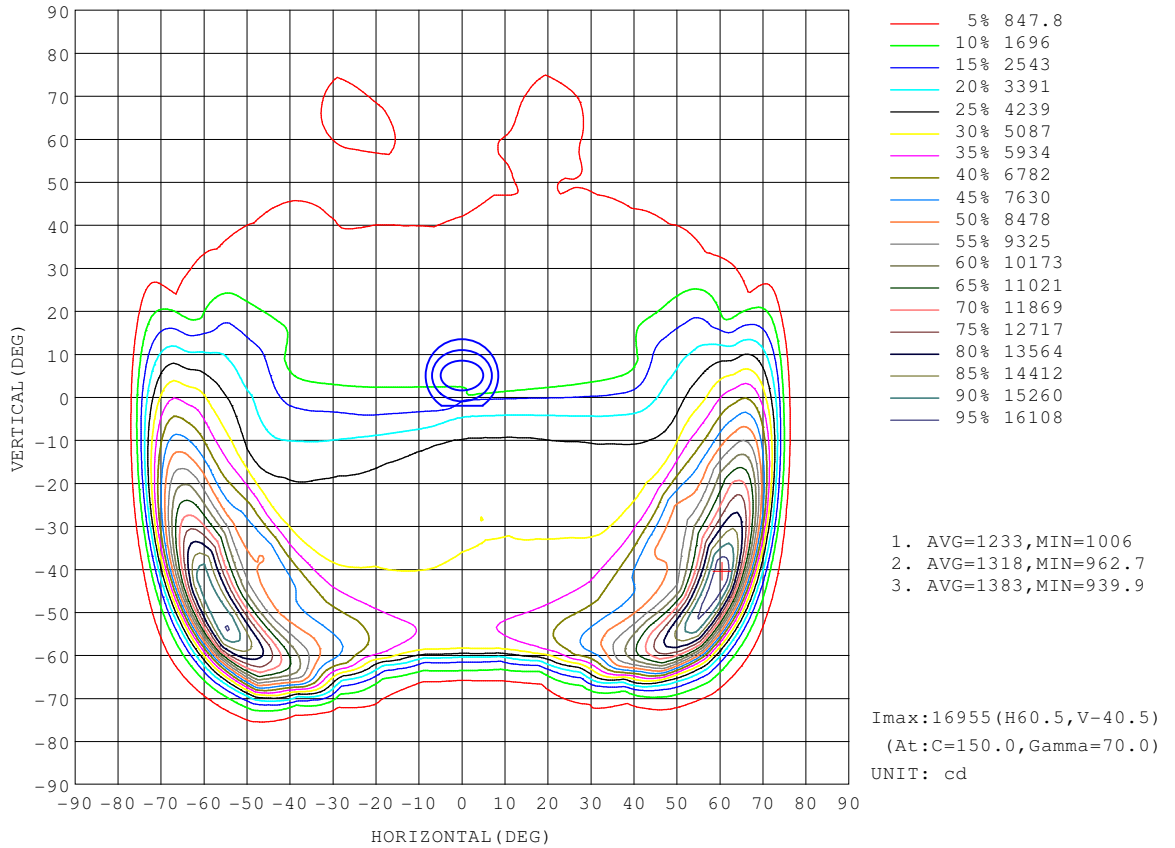
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	$\%lum, lamp$
10	226.1	362.7	409.6	388.2	210.5	97.14	94.21	112.9	0- 10	215.6	215.6	1.32,1.32
20	231.2	438.0	478.0	478.1	202.2	94.16	96.19	116.7	10- 20	719.4	935.0	5.71,5.71
30	239.7	453.7	487.0	504.4	202.2	101.3	89.72	124.3	20- 30	1258	2193	13.4,13.4
40	263.6	467.5	497.4	523.0	216.4	89.08	82.88	107.2	30- 40	1757	3950	24.1,24.1
50	357.3	562.1	544.5	632.5	324.2	81.49	71.08	102.3	40- 50	2394	6344	38.7,38.7
60	543.5	763.4	362.8	884.1	478.7	73.69	55.70	85.96	50- 60	3565	9909	60.5,60.5
70	507.3	845.2	46.75	1294	477.6	52.50	39.13	62.94	60- 70	4406	14315	87.4,87.4
80	15.71	29.80	4.126	79.79	21.53	18.41	7.086	25.60	70- 80	1972	16287	99.5,99.5
90	0.3414	0.1689	0.2951	0.7859	0.5078	0.4879	0.1559	1.056	80- 90	88.32	16375	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: 30.06.2020

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: LYS50-150W

ISOCANDELA DIAGRAM

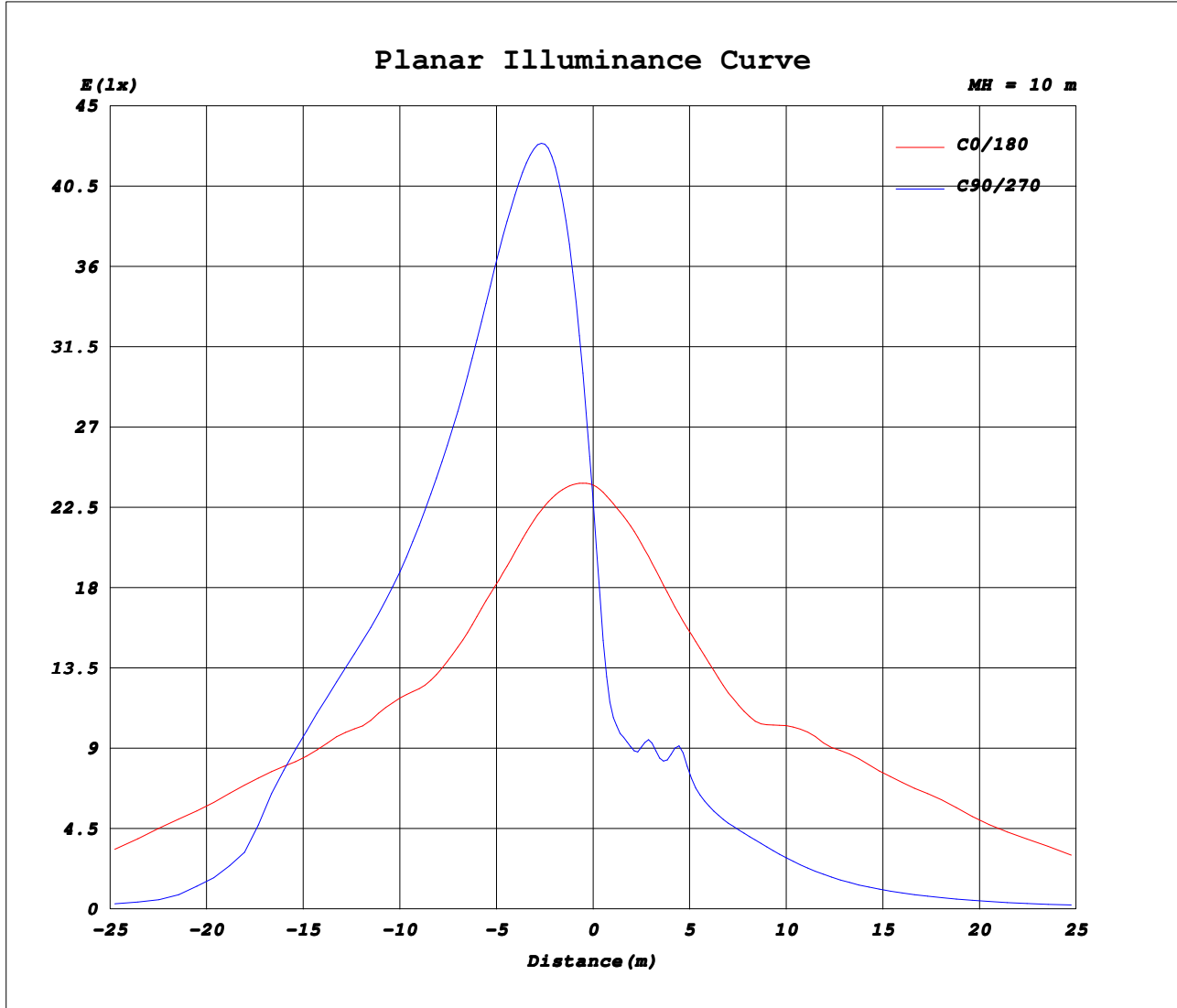
Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30.06.2020

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: LYS50-150W

Planar Illuminance Curve



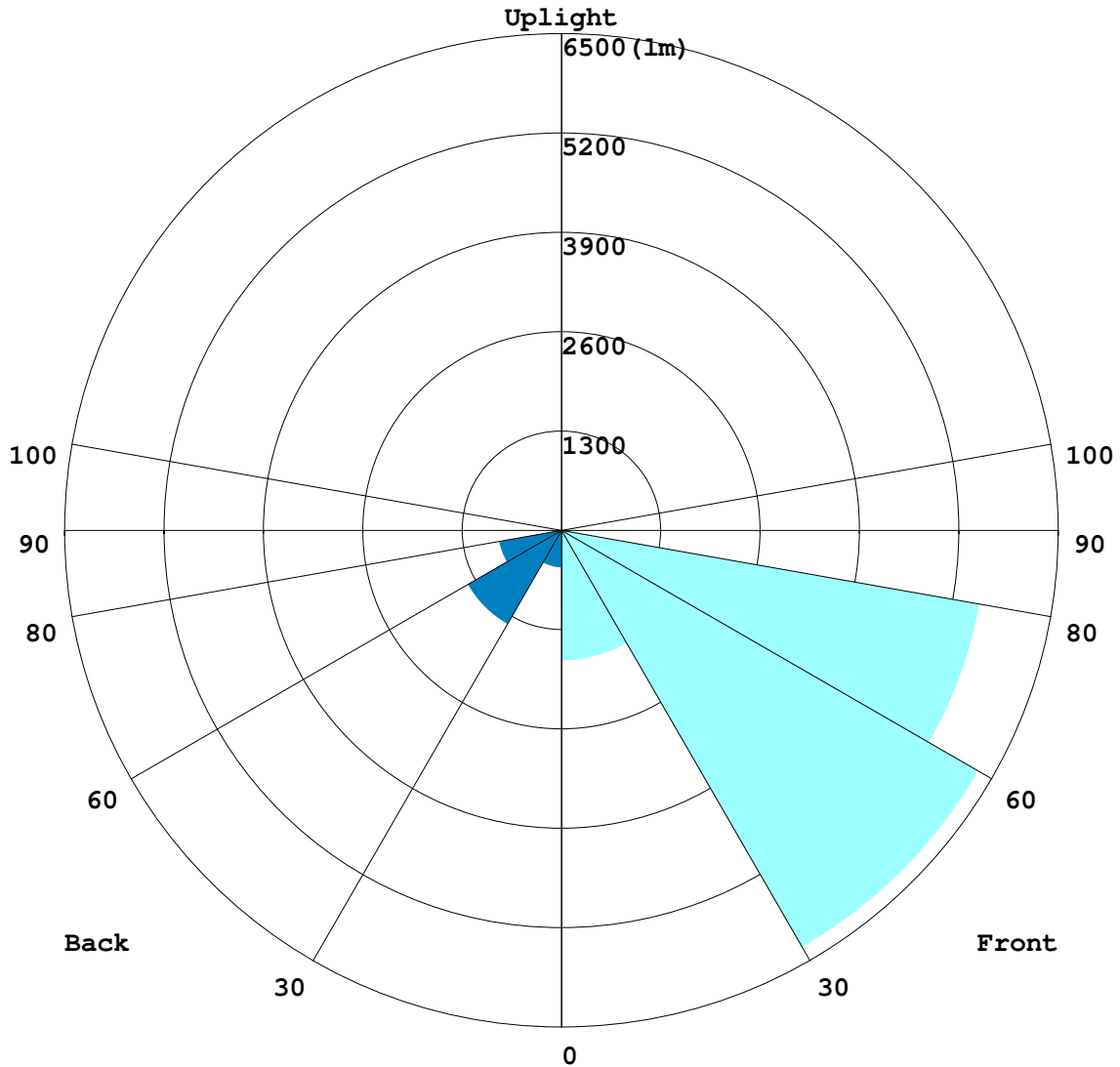
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30.06.2020

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: LYS50-150W

LCS REPORT

Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	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: 30.06.2020

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: LYS50-150W

BUG REPORT

Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 Lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1705.4	10.4
FM - Front-Medium(30-60)	6301.2	38.5
FH - Front-High(60-80)	5552.5	33.9
FVH - Front-Very High(80-90)	54.172	0.3
Total Forward Light	13613	83.1

BL - Back-Low(0-30)	487.32	3.0
BM - Back-Medium(30-60)	1415.3	8.6
BH - Back-High(60-80)	825.04	5.0
BVH - Back-Very High(80-90)	34.151	0.2
Total Back Light	2761.8	16.9

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2761.8	0	2761.8
Street Side	13613	0	13613

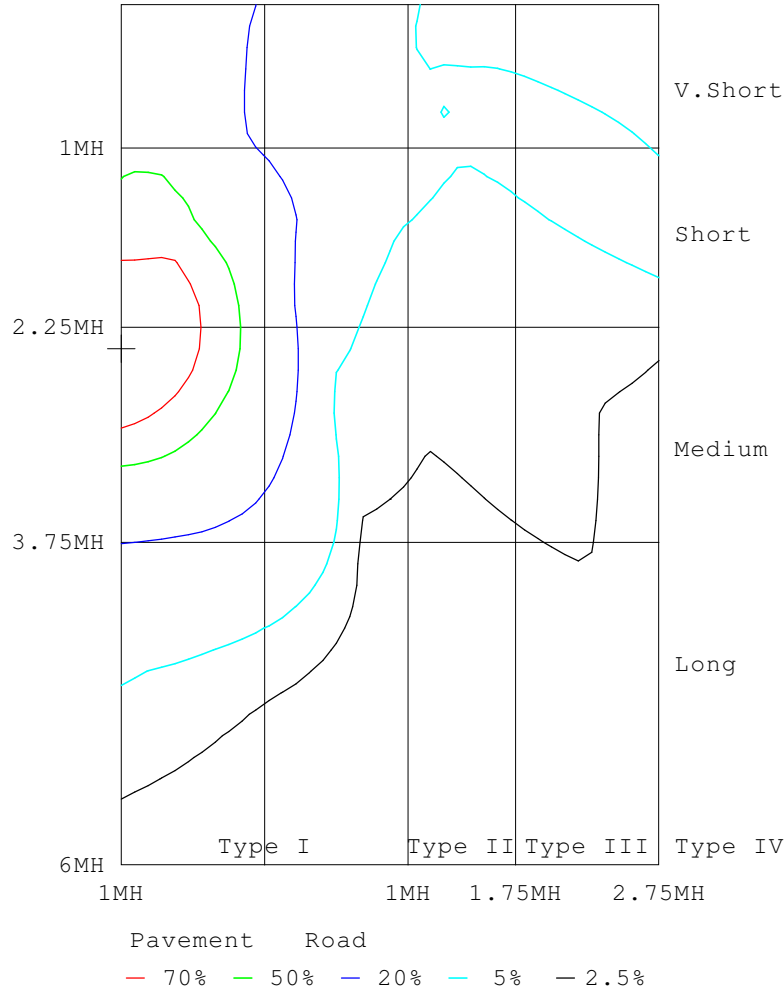
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30.06.2020

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: LYS50-150W

ROAD ISOCANDELA REPORT

Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	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: 30.06.2020

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: LYS50-150W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.40V I:0.6548A P:149.05W PF:0.9880 Freq:50.01Hz Lamp Flux:16375.1x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	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	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220		
5	194	174	155	140	128	120	116	113	113	114	117	122	130	141	155	173	197		
10	170	134	110	99.0	95.2	93.1	93.9	93.0	94.2	94.5	97.7	100	108	118	127	142	176		
15	148	109	95.8	90.8	88.3	87.5	93.8	95.7	99.5	97.6	98.4	95.5	101	110	119	128	159		
20	131	98.3	90.7	88.5	99.9	97.9	94.8	94.3	96.2	95.6	98.3	105	116	117	113	121	146		
25	119	94.2	91.4	101	93.1	98.6	112	112	113	115	118	108	107	124	124	117	137		
30	114	91.4	104	94.0	109	100	91.6	88.7	89.7	90.5	96.7	110	130	119	131	117	135		
35	110	98.9	99.2	105	94.1	87.1	84.4	82.6	84.3	84.4	89.1	95.2	110	135	125	132	135		
40	127	145	102	93.2	84.9	82.3	81.5	80.0	82.9	84.3	88.2	90.1	98.8	116	144	184	163		
45	211	144	124	84.4	80.4	78.3	77.5	75.6	78.2	83.1	85.6	88.1	95.1	111	171	187	302		
50	248	135	107	84.3	78.6	74.5	73.7	69.3	71.1	79.5	84.5	86.0	95.3	110	140	179	358		
55	266	118	90.1	81.5	76.4	72.3	76.4	66.1	63.0	79.8	87.6	85.4	91.4	102	117	171	371		
60	207	94.3	77.8	74.1	73.2	77.0	84.5	62.0	55.7	81.3	95.7	87.2	84.0	88.0	99.4	128	295		
65	106	71.9	60.7	61.0	67.6	88.1	86.6	51.5	47.8	66.1	110	88.0	72.8	73.0	83.4	86.5	148		
70	66.5	45.9	47.5	48.1	57.0	103	75.9	44.3	39.1	48.7	115	84.8	55.4	71.0	60.3	60.8	89.0		
75	34.5	31.6	43.7	35.0	36.3	90.0	48.5	29.9	25.0	33.0	89.9	64.9	36.4	61.7	74.9	43.1	40.4		
80	13.7	17.2	25.1	19.7	17.1	37.3	19.9	9.51	7.09	11.1	35.1	25.4	19.5	32.1	42.6	17.9	14.2		
85	3.74	4.40	5.99	6.26	3.91	4.32	1.90	0.61	0.40	1.06	3.68	4.47	4.65	6.42	5.23	4.28	3.97		
90	0.63	0.72	0.69	0.56	0.41	0.26	0.17	0.15	0.16	0.23	0.39	0.64	0.94	1.19	1.23	1.04	0.76		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 30.06.2020

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: LYS50-150W