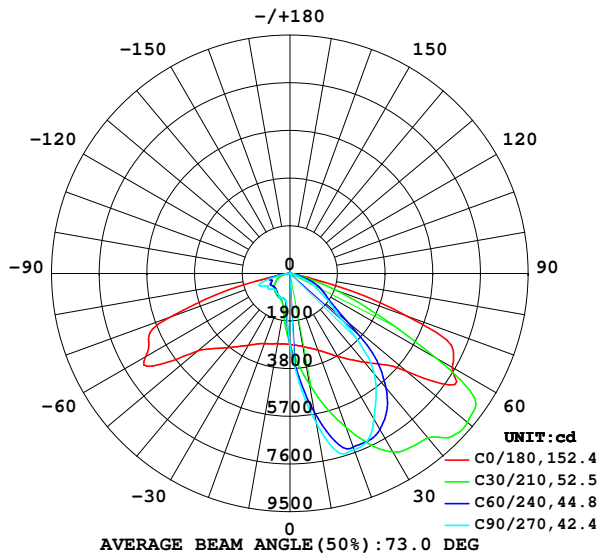
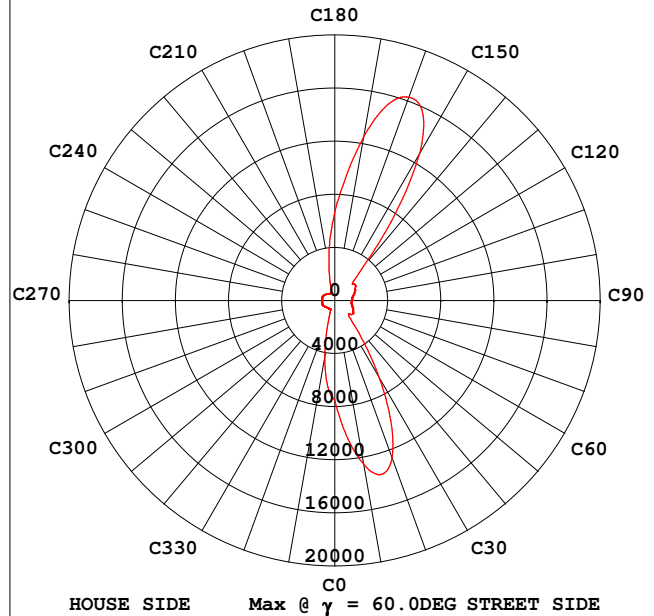


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 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: 112.14 lm/W			
MODEL	LYS50	Imax (cd)	16285	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	80.7
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	16783	η house_up (%)	0.0
NOMINAL FLUX (lm)	16783.2	MAXIMUM @ (C, γ)	160, 60.0	η house_down (%)	19.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	18.967

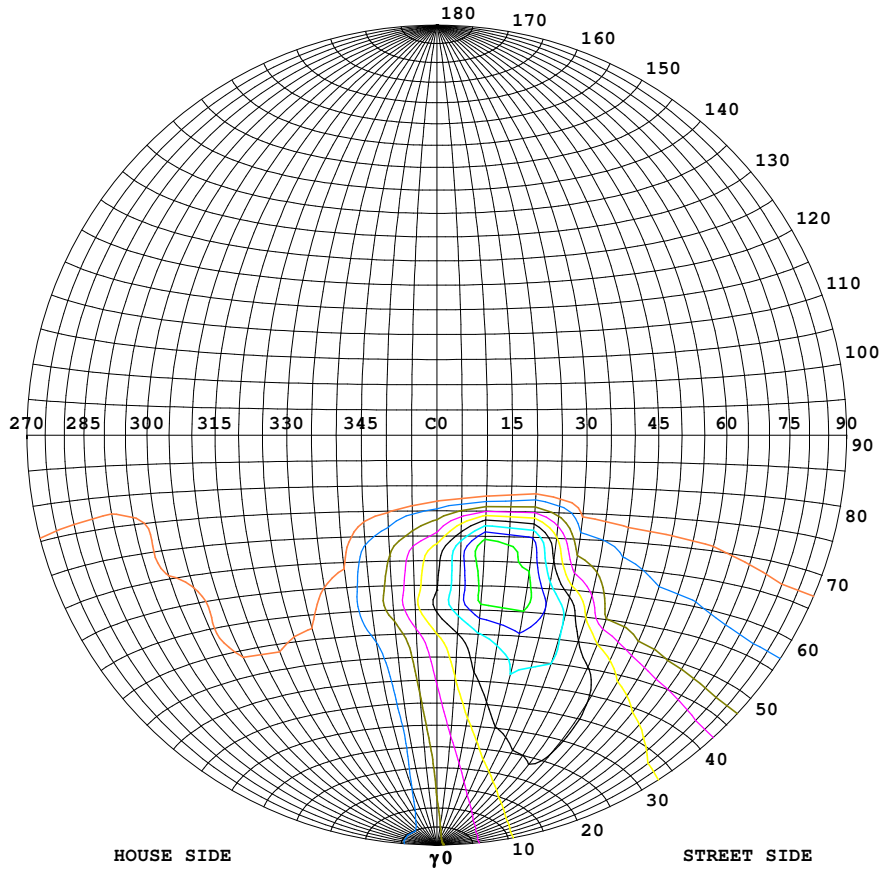
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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: LYS50-150W

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

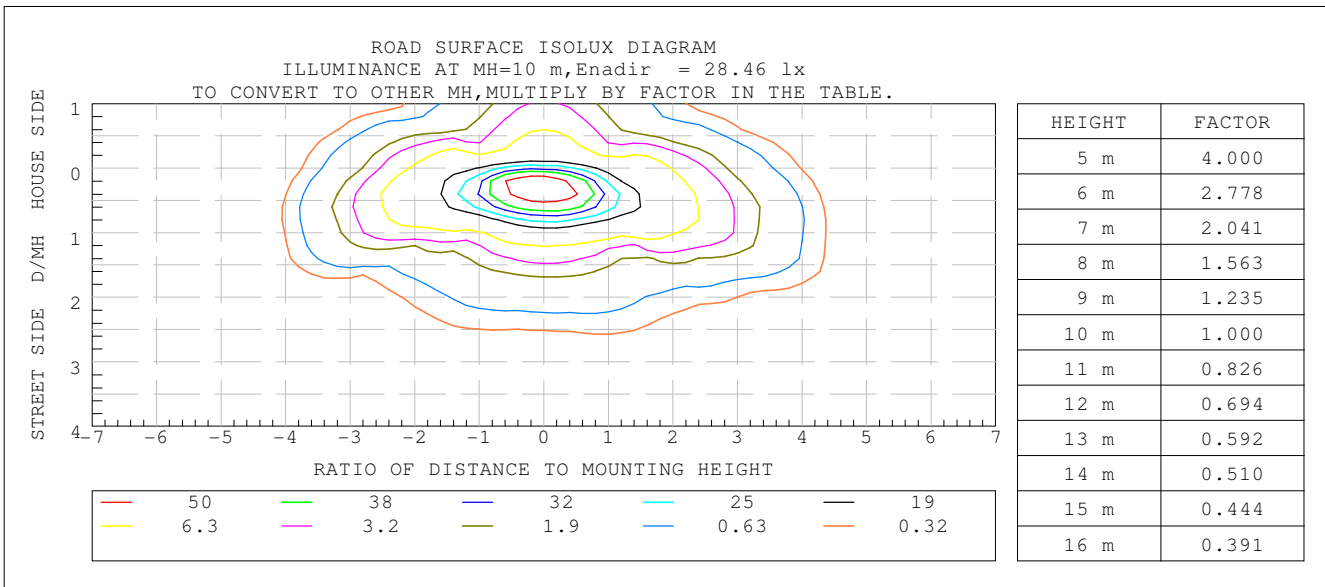
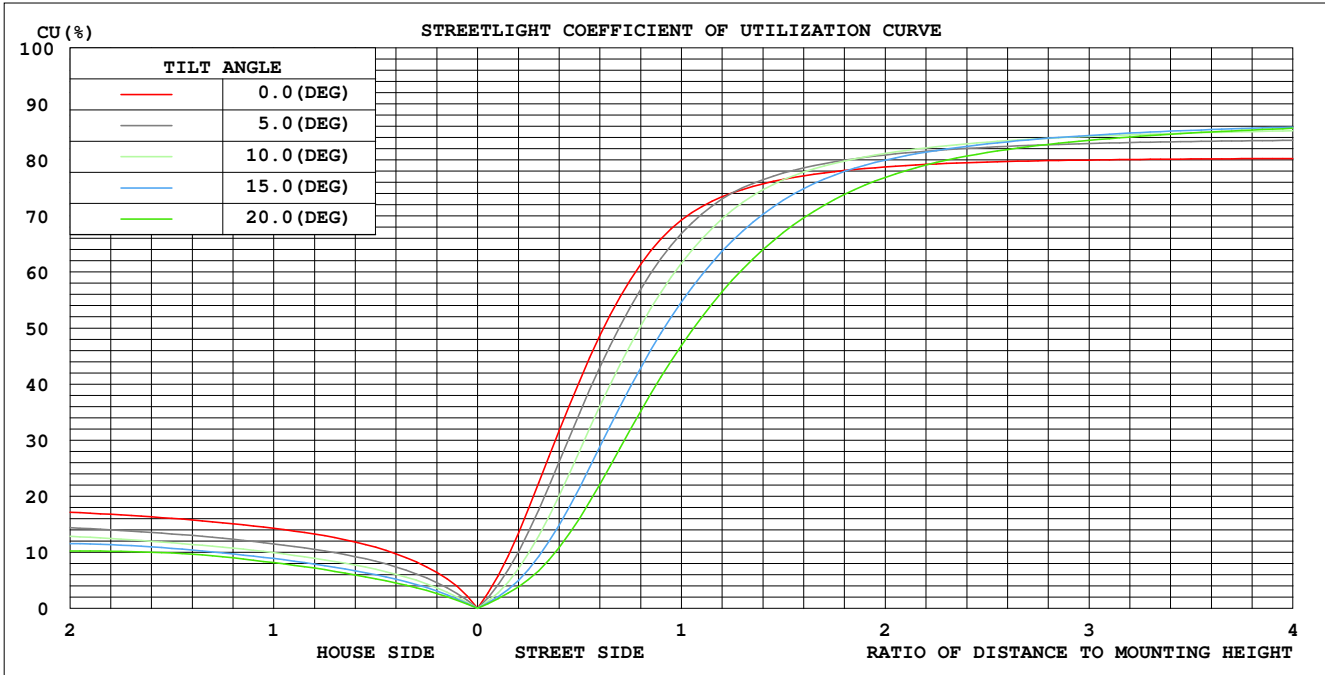
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:74.12cd/klm
 Max.At90:0.4544cd/klm
 Max.80-90:74.12cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16285
90%	14656
80%	13028
70%	11399
60%	9771
50%	8142
40%	6514
30%	4885
20%	3257
10%	1628
5%	814

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: LYS50-150W

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 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: LYS50-150W

ZONAL FLUX DIAGRAM

Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

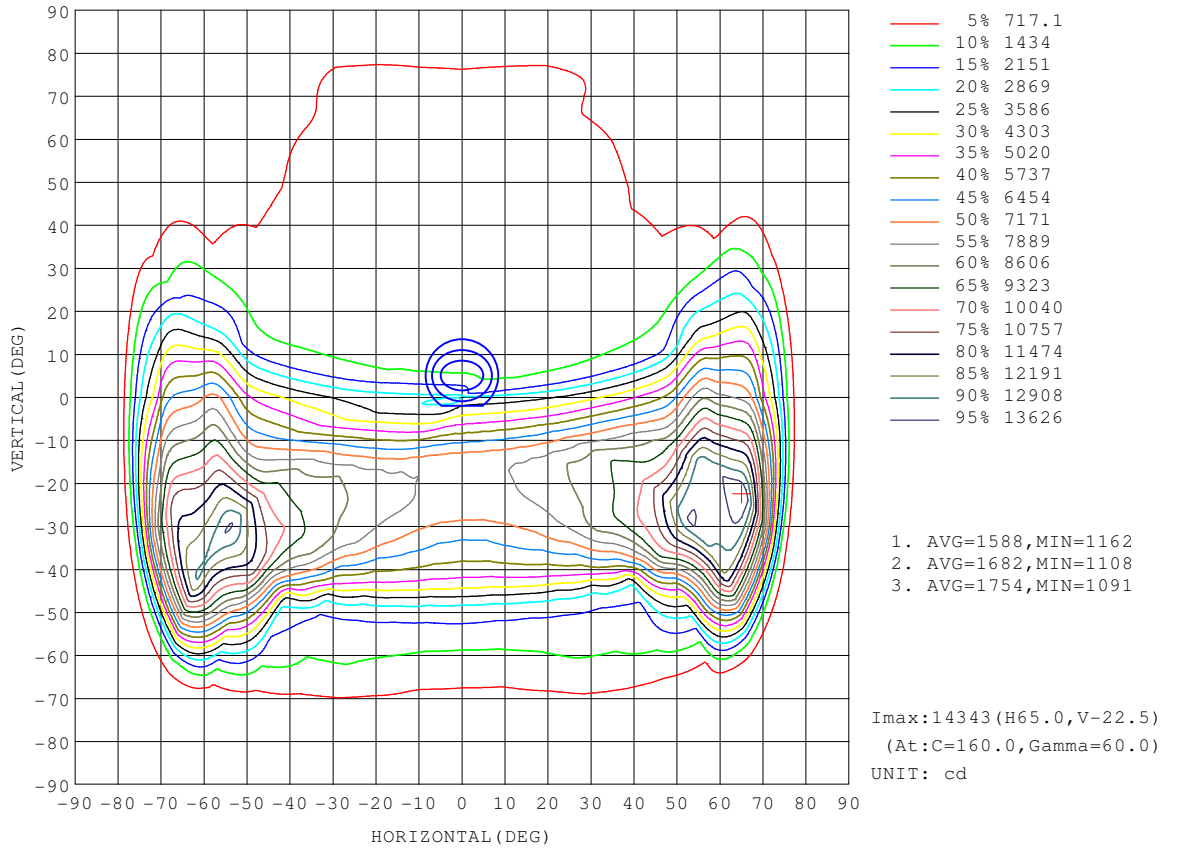
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	ϕ lum, lamp
10	295.6	514.0	604.7	530.3	284.7	120.7	108.4	132.3	0- 10	286.3	286.3	1.71,1.71
20	325.2	730.9	747.9	800.5	298.5	105.3	103.5	122.4	10- 20	1051	1338	7.97,7.97
30	382.0	766.5	669.9	924.8	330.3	99.30	95.72	114.4	20- 30	1931	3269	19.5,19.5
40	462.6	757.6	522.3	932.3	386.6	87.30	88.48	100.7	30- 40	2672	5941	35.4,35.4
50	608.8	512.6	242.9	768.0	481.9	78.22	98.19	89.32	40- 50	3076	9017	53.7,53.7
60	747.4	181.0	128.1	268.3	665.3	72.22	101.1	80.30	50- 60	3245	12262	73.1,73.1
70	492.9	106.3	43.67	159.5	510.9	57.76	131.3	61.54	60- 70	3037	15299	91.2,91.2
80	18.91	26.40	3.427	37.12	30.94	25.48	26.92	23.88	70- 80	1395	16694	99.5,99.5
90	0.4462	0.1393	0.3241	0.5588	0.7029	0.1862	0.1827	0.3955	80- 90	89.17	16783	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: LYS50-150W

ISOCANDELA DIAGRAM

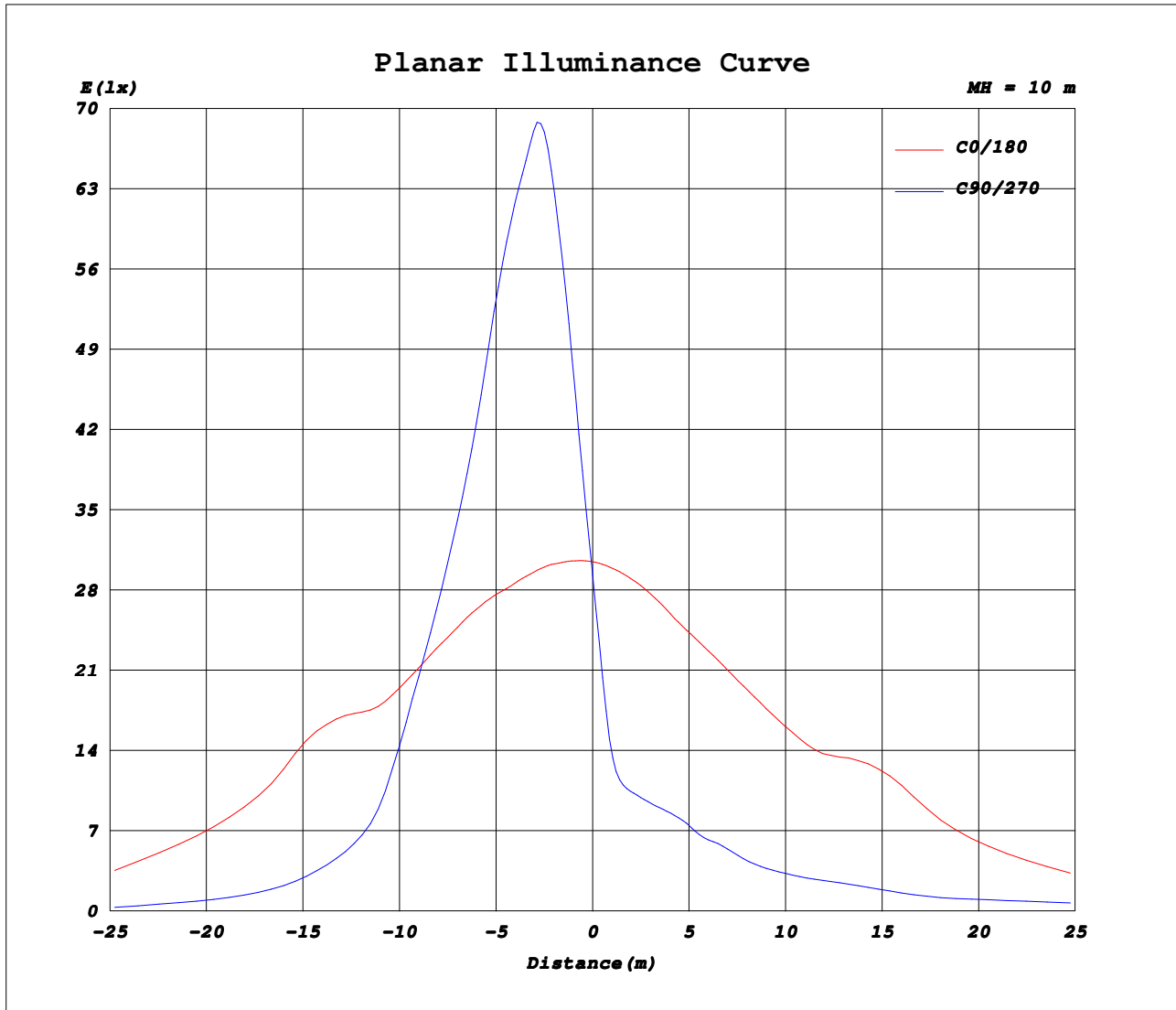
Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 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: LYS50-150W

Planar Illuminance Curve



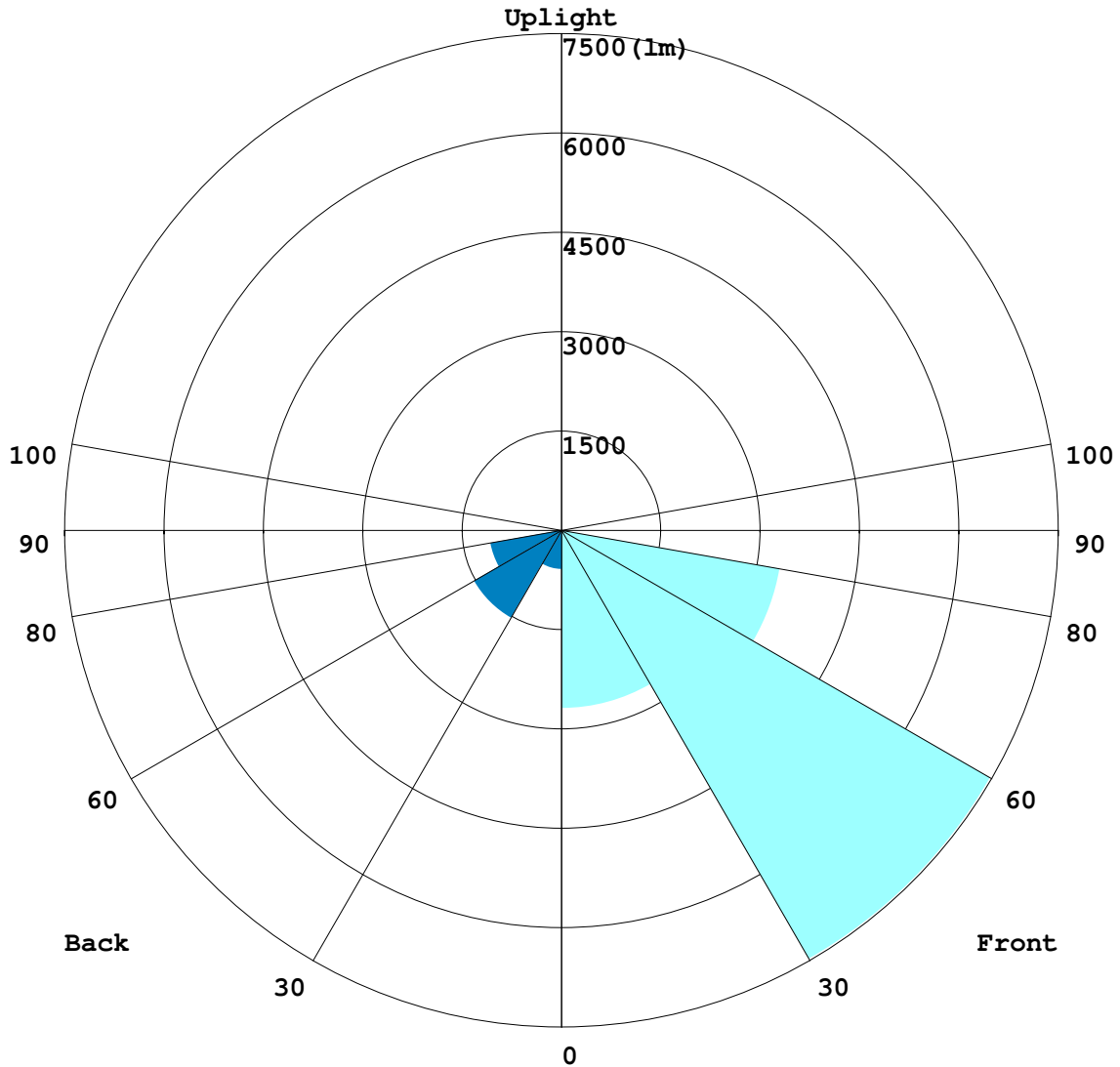
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-150W

LCS REPORT

Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 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: 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: LYS50-150W

BUG REPORT

Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 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)	2685.6	16.0
FM - Front-Medium(30-60)	7471.6	44.5
FH - Front-High(60-80)	3342.6	19.9
FVH - Front-Very High(80-90)	45.05	0.3
Total Forward Light	13545	80.7

BL - Back-Low(0-30)	583.34	3.5
BM - Back-Medium(30-60)	1521.8	9.1
BH - Back-High(60-80)	1089	6.5
BVH - Back-Very High(80-90)	44.117	0.3
Total Back Light	3238.3	19.3

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	B3-U0-G3
------------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3238.3	0	3238.3
Street Side	13545	0	13545

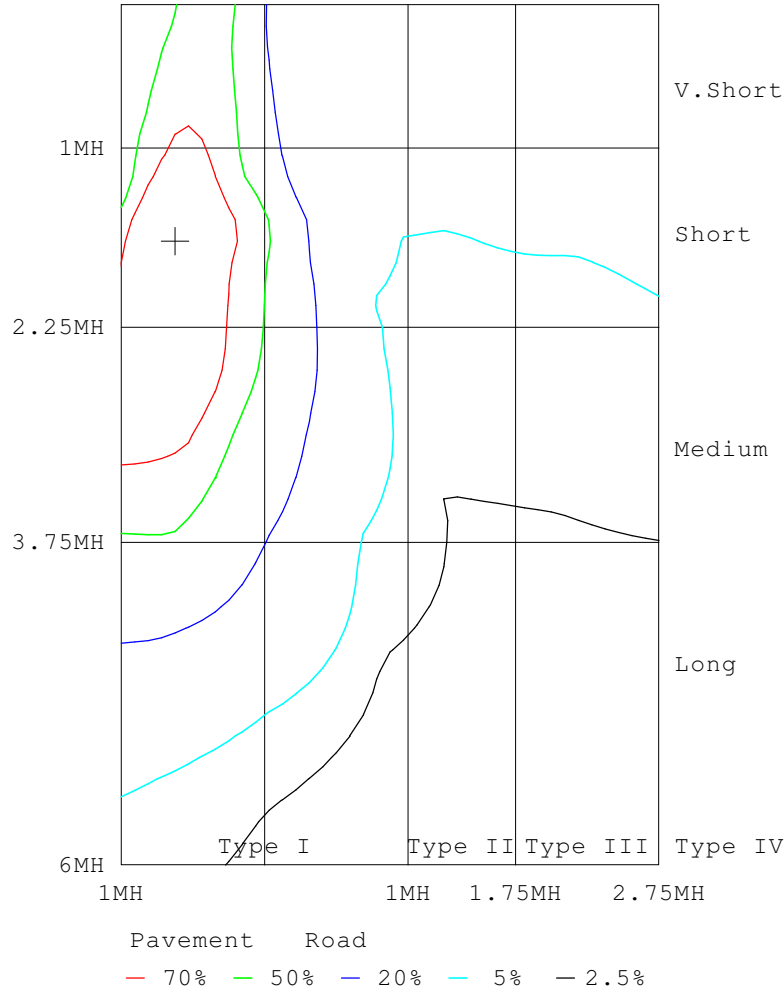
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 29.06.2020

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: LYS50-150W

ROAD ISOCANDELA REPORT

Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 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: 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: LYS50-150W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.6573A P:149.66W PF:0.9879 Freq:50.01Hz Lamp Flux:16783.2x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:150W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ Á10cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284		
5	258	234	212	192	175	162	154	149	147	149	153	160	171	184	205	231	260		
10	235	188	149	126	116	109	108	106	108	108	112	116	126	139	157	188	242		
15	215	150	119	108	106	104	104	103	105	104	108	111	120	129	139	162	227		
20	195	126	110	105	105	103	104	101	104	103	109	110	118	127	133	147	214		
25	179	115	106	103	103	102	104	101	103	103	107	108	115	123	129	138	207		
30	169	109	102	98.6	100	98.8	96.9	94.2	95.7	95.5	100	105	112	118	124	133	207		
35	164	105	98.4	94.3	92.9	90.4	91.3	92.2	95.5	92.3	93.9	95.3	104	113	120	130	212		
40	159	102	93.6	88.9	85.7	86.5	88.7	87.8	88.5	89.0	90.9	91.0	95.1	107	114	126	219		
45	156	95.6	87.8	81.8	81.8	84.1	88.6	89.6	90.1	91.0	90.0	88.2	90.4	97.2	107	120	236		
50	169	91.2	82.0	77.6	78.8	84.0	91.6	92.8	98.2	94.3	93.8	87.5	86.9	91.9	99.9	121	303		
55	245	89.3	74.5	72.2	76.8	85.8	101	103	106	104	102	88.2	83.9	83.9	90.1	130	441		
60	257	81.3	65.3	67.3	77.2	89.9	98.8	100	101	101	101	91.9	82.8	77.7	76.9	117	437		
65	228	64.2	57.0	61.2	73.6	82.2	103	116	121	117	99.5	83.9	76.8	68.8	66.5	87.9	400		
70	154	45.2	46.3	53.1	62.5	78.8	131	131	131	137	128	70.9	64.9	58.0	50.4	51.9	254		
75	65.4	30.6	34.9	42.4	45.8	86.5	113	90.3	83.4	95.3	112	71.0	48.4	43.7	36.0	31.3	87.0		
80	16.6	16.3	21.7	25.9	25.0	50.4	43.9	32.7	26.9	34.4	43.6	38.8	24.8	22.9	18.6	14.2	14.3		
85	4.12	4.92	5.71	6.62	5.50	8.95	6.27	1.22	0.35	2.73	6.72	5.82	4.09	3.57	3.46	3.60	3.47		
90	0.73	0.62	0.41	0.21	0.16	0.15	0.14	0.15	0.18	0.26	0.37	0.42	0.39	0.41	0.59	0.74	0.74		

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: LYS50-150W