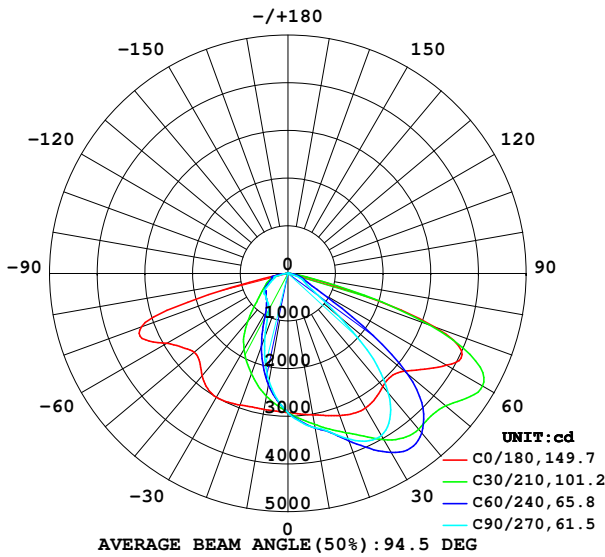
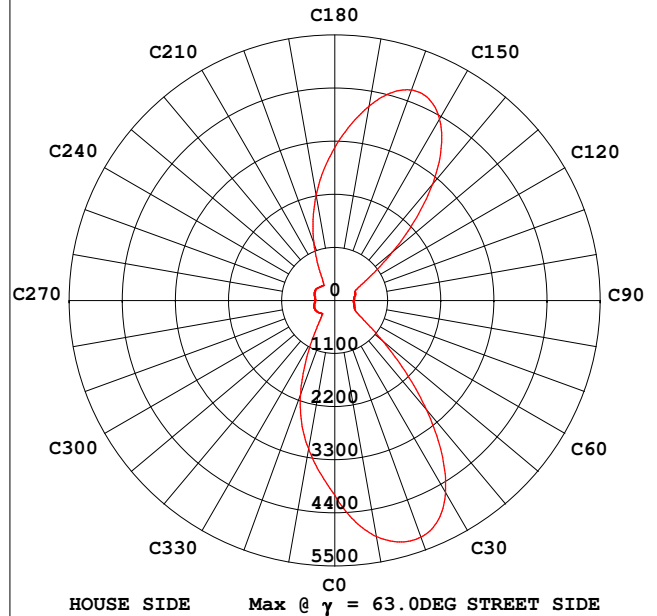


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.92 lm/W			
MODEL	LYS50	I _{max} (cd)	5213	η street_up (%)	0.0
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	70.2
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	10096	η house_up (%)	0.0
NOMINAL FLUX (lm)	10096.3	MAXIMUM @ (C, γ)	20,63.0	η house_down (%)	29.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	19.038

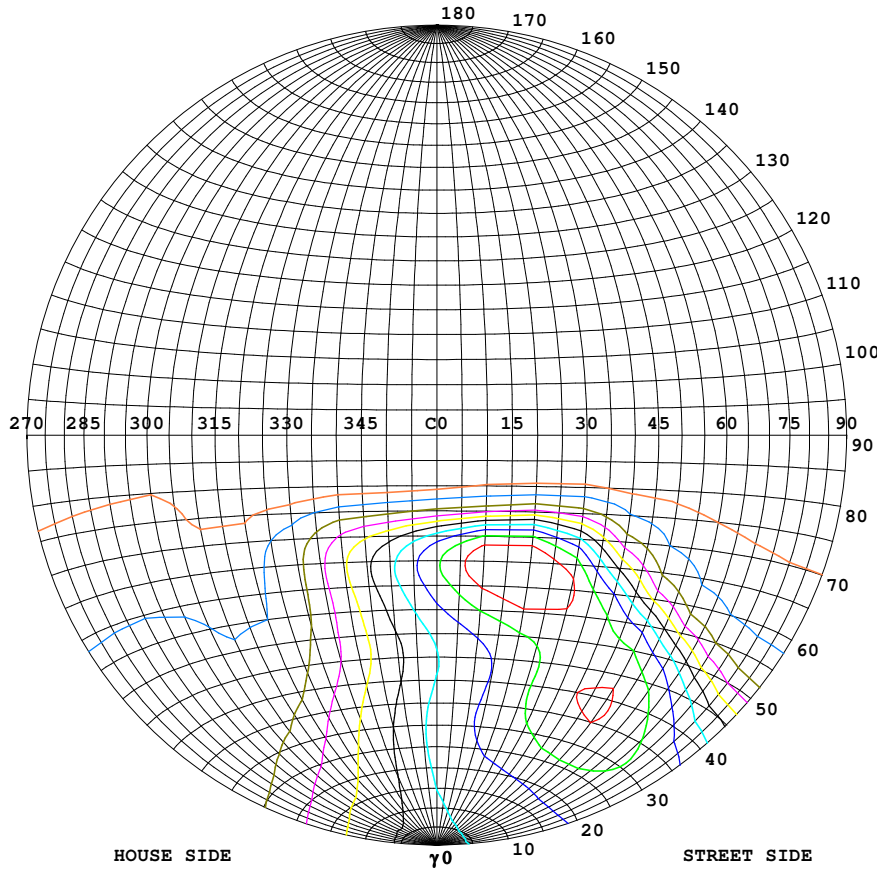
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.07.2020

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: LYS50-80W

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Classification:

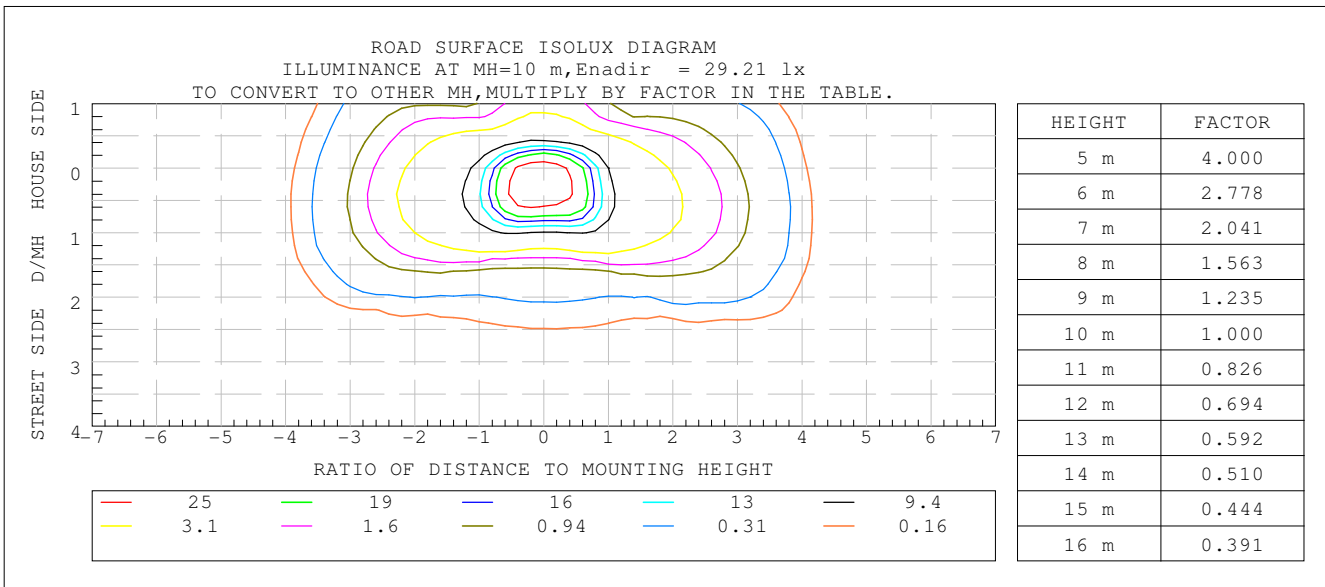
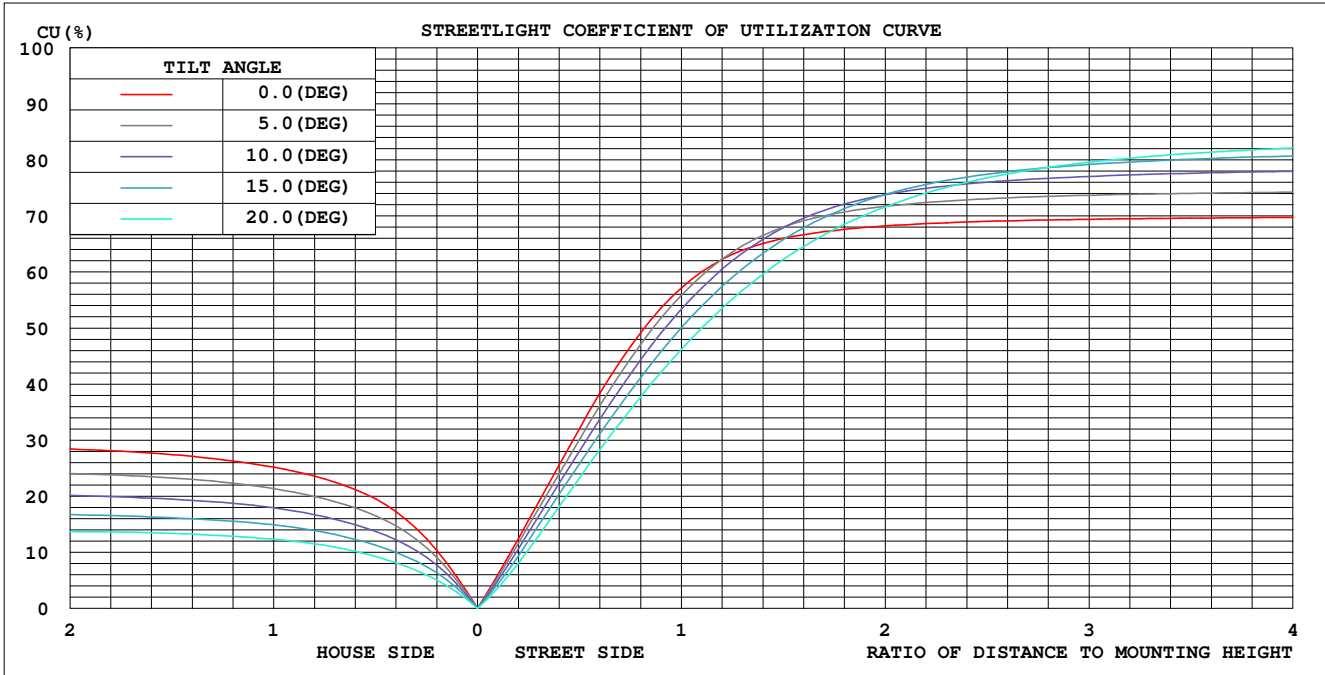
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:53.87cd/klm
 Max.At90:0.3143cd/klm
 Max.80-90:53.87cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5213
— 90%	4692
— 80%	4171
— 70%	3649
— 60%	3128
— 50%	2607
— 40%	2085
— 30%	1564
— 20%	1043
— 10%	521
— 5%	261

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:02.07.2020

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: LYS50-80W

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.07.2020

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: LYS50-80W

ZONAL FLUX DIAGRAM

Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

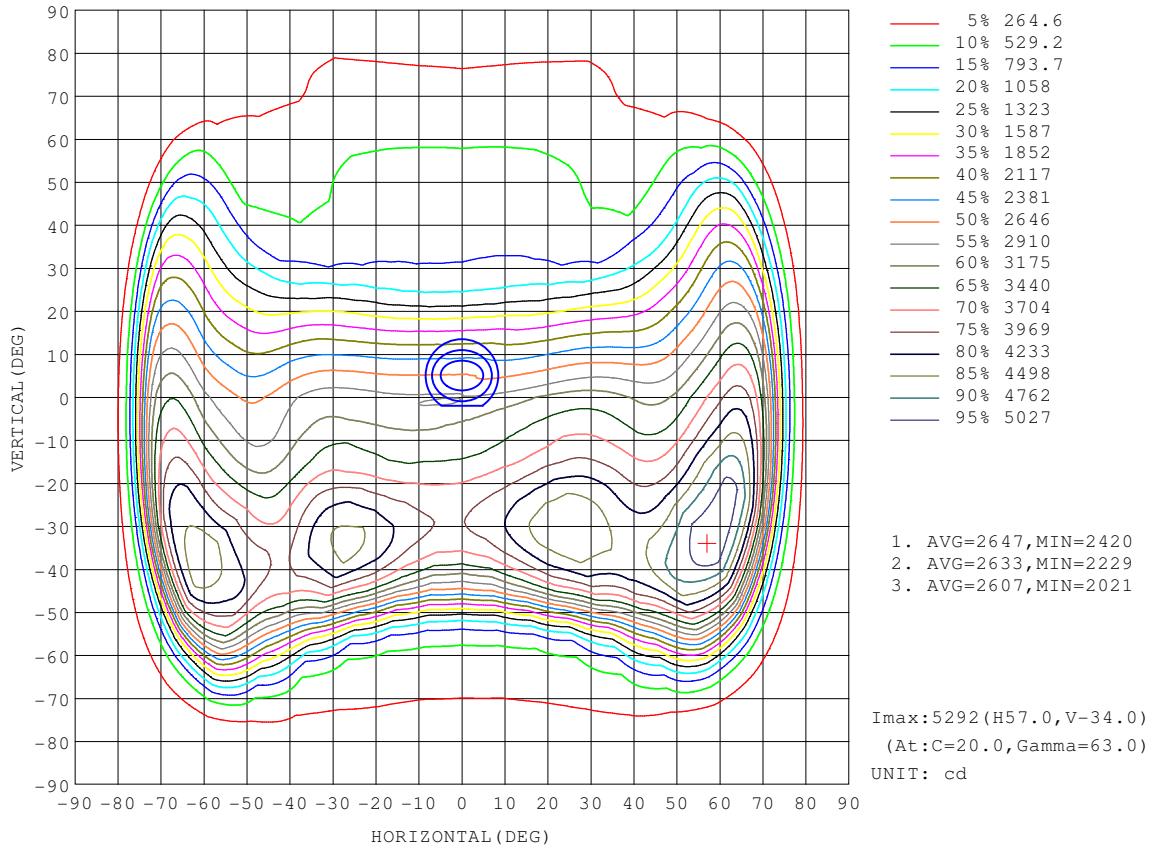
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	$\%lum, lamp$
10	3014	3273	3288	3224	2897	2487	2295	2527	0- 10	276.6	276.6	2.74,2.74
20	3173	3648	3689	3483	2937	1906	1421	1999	10- 20	799.4	1076	10.7,10.7
30	3259	4334	3927	4052	3002	1299	817.0	1406	20- 30	1280	2356	23.3,23.3
40	3101	4661	3274	4615	2803	800.7	703.2	848.0	30- 40	1691	4047	40.1,40.1
50	3191	4246	1394	4292	2573	558.8	659.2	590.2	40- 50	1839	5887	58.3,58.3
60	3852	2788	446.2	2934	2932	447.6	472.6	455.3	50- 60	1745	7632	75.6,75.6
70	3260	911.3	261.6	1159	3270	312.9	311.0	319.3	60- 70	1621	9252	91.6,91.6
80	199.8	197.8	24.95	253.6	253.8	150.6	112.8	131.4	70- 80	780.9	10033	99.4,99.4
90	2.380	1.051	1.455	2.820	2.715	1.338	1.206	2.422	80- 90	63.16	10096	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:02.07.2020

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: LYS50-80W

ISOCANDELA DIAGRAM

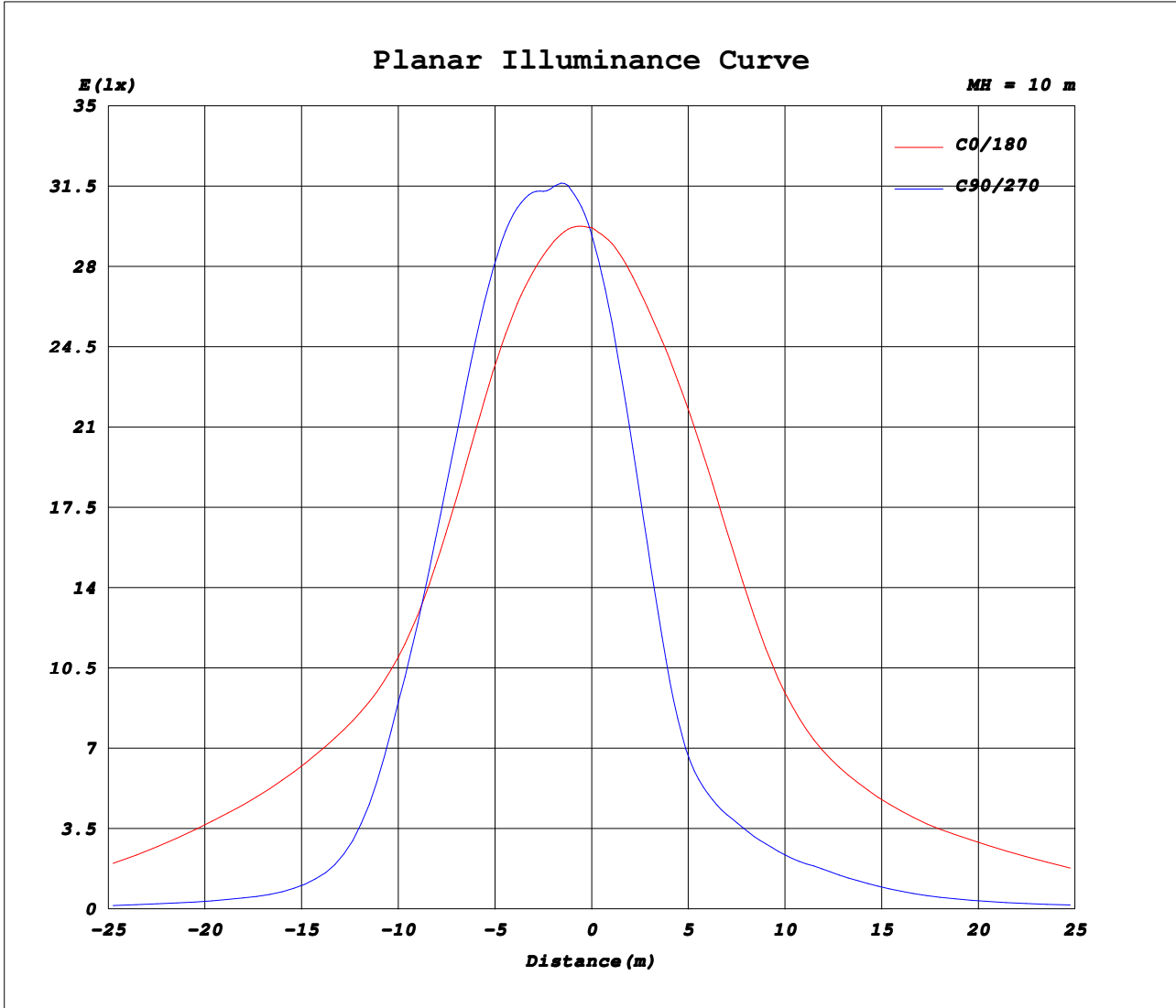
Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.07.2020

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: LYS50-80W

Planar Illuminance Curve



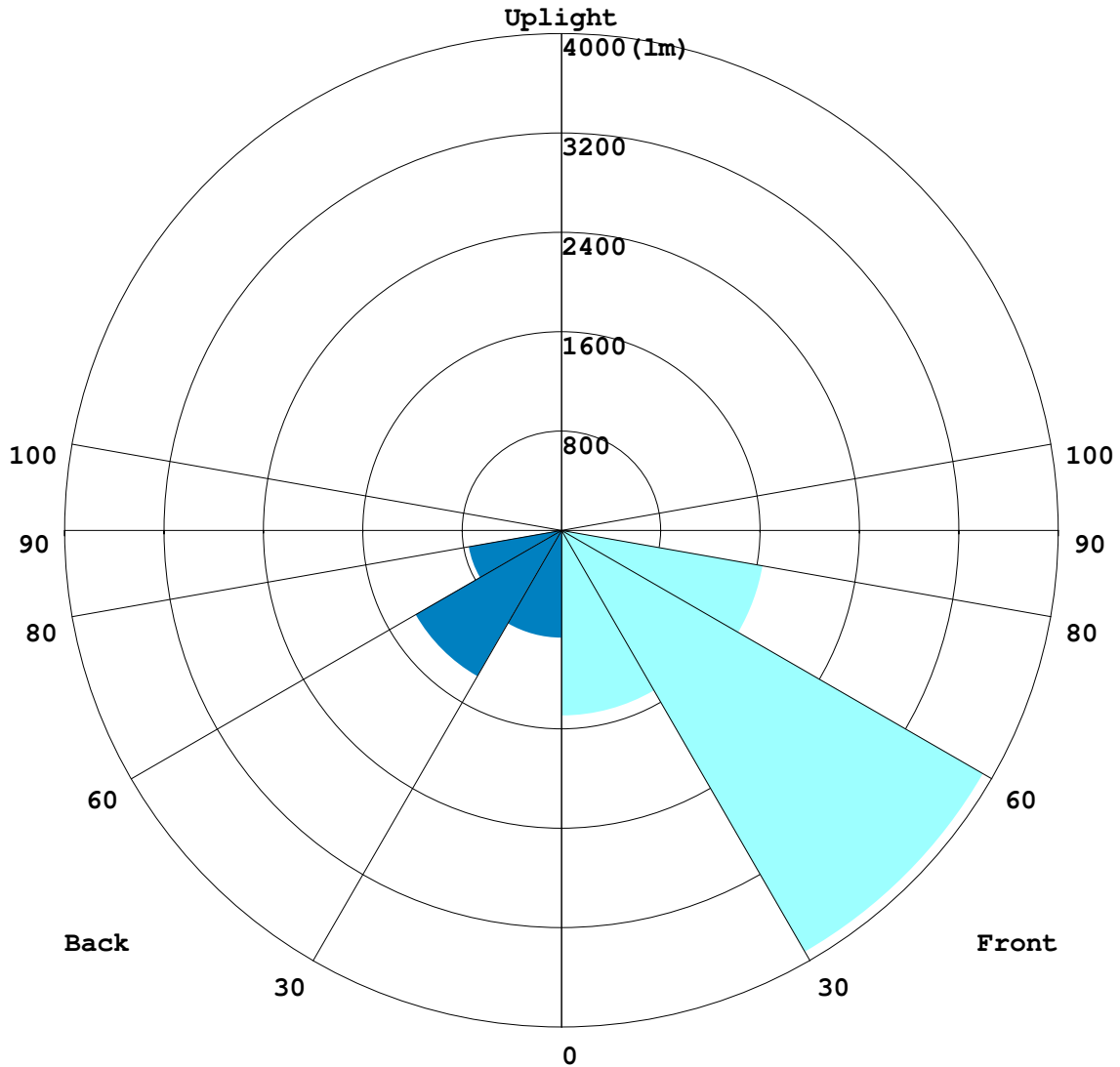
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.07.2020

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: LYS50-80W

LCS REPORT

Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	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: 02.07.2020

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: LYS50-80W

BUG REPORT

Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1491.3	14.8
FM - Front-Medium(30-60)	3919.3	38.8
FH - Front-High(60-80)	1644.3	16.3
FVH - Front-Very High(80-90)	35.153	0.3
Total Forward Light	7090.1	70.2

BL - Back-Low(0-30)	864.71	8.6
BM - Back-Medium(30-60)	1356.3	13.4
BH - Back-High(60-80)	757.24	7.5
BVH - Back-Very High(80-90)	28.003	0.3
Total Back Light	3006.2	29.8

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	3006.2	0	3006.2
Street Side	7090.1	0	7090.1

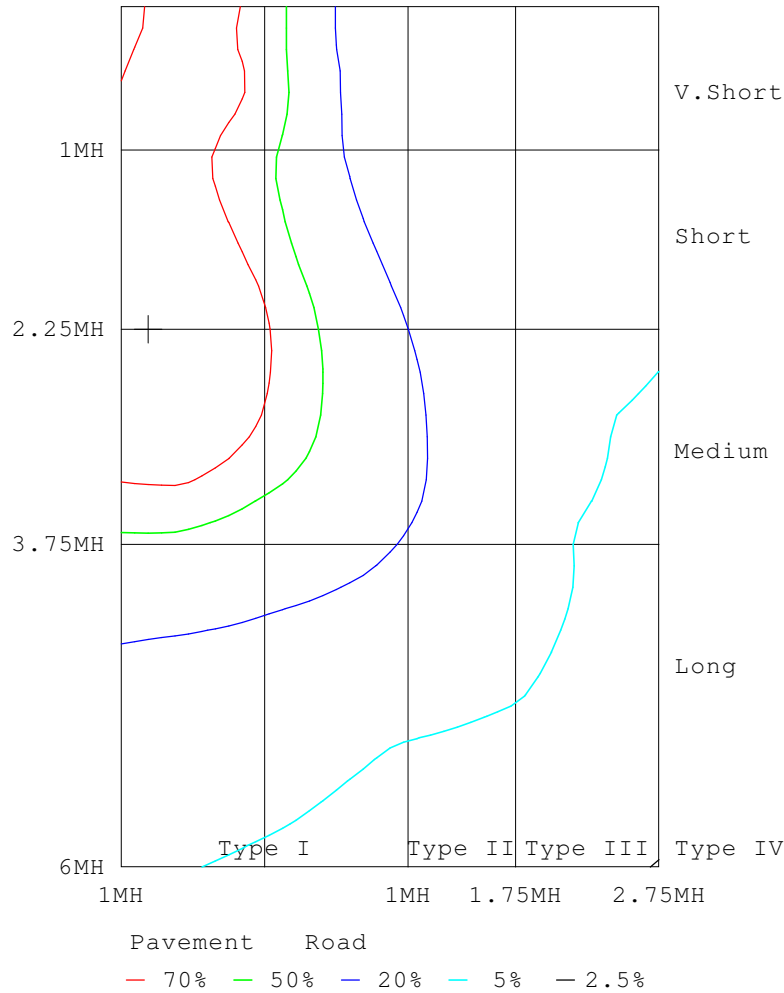
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.07.2020

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: LYS50-80W

ROAD ISOCANDELA REPORT

Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	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: 02.07.2020

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: LYS50-80W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.3607A P:80.823W PF:0.9723 Freq:50.01Hz Lamp Flux:10096.3x1 lm		
NAME: LYS50	TYPE:LED	WEIGHT:12kg
SPEC.:80W	DIM.: 600X300X75mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922	2922		
5	2857	2812	2770	2731	2698	2671	2652	2644	2646	2654	2668	2693	2721	2760	2807	2857	2908		
10	2804	2709	2618	2530	2444	2377	2322	2292	2295	2306	2352	2414	2480	2574	2687	2798	2908		
15	2756	2600	2438	2276	2138	2022	1934	1885	1880	1909	1979	2081	2197	2350	2537	2732	2913		
20	2723	2489	2244	2010	1803	1633	1505	1437	1421	1469	1566	1718	1886	2112	2379	2657	2929		
25	2696	2379	2049	1734	1453	1239	1095	1028	1019	1064	1166	1341	1556	1856	2208	2577	2932		
30	2641	2243	1844	1460	1137	935	846	816	817	845	902	1028	1235	1577	2016	2467	2897		
35	2533	2089	1618	1173	886	788	745	735	745	766	785	821	939	1276	1783	2309	2808		
40	2361	1864	1319	886	715	704	707	691	703	731	733	712	726	971	1511	2118	2683		
45	2141	1593	1025	677	623	646	673	658	665	696	683	643	619	746	1268	1957	2601		
50	2015	1398	812	562	556	601	646	653	659	689	658	584	553	628	1129	1922	2662		
55	2027	1306	674	495	508	590	613	596	590	615	624	562	498	534	1018	1946	2831		
60	2111	1267	568	431	464	520	507	484	473	490	507	490	444	467	966	2036	3039		
65	2299	1283	500	382	401	432	429	400	387	410	435	415	381	406	928	2073	3086		
70	2198	1173	418	311	315	362	367	326	311	370	378	343	310	328	733	1686	2449		
75	1255	733	287	238	238	345	385	330	305	356	403	345	232	242	368	712	930		
80	179	171	146	145	156	273	207	124	113	190	222	253	130	133	142	164	169		
85	24.8	31.2	31.4	24.7	26.8	77.5	40.4	4.99	2.26	17.4	57.9	42.7	16.3	18.3	19.2	22.7	20.5		
90	2.81	2.64	2.16	1.59	1.08	0.87	0.88	1.02	1.21	1.44	1.70	1.91	2.23	2.61	2.95	3.17	3.08		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 02.07.2020

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: LYS50-80W