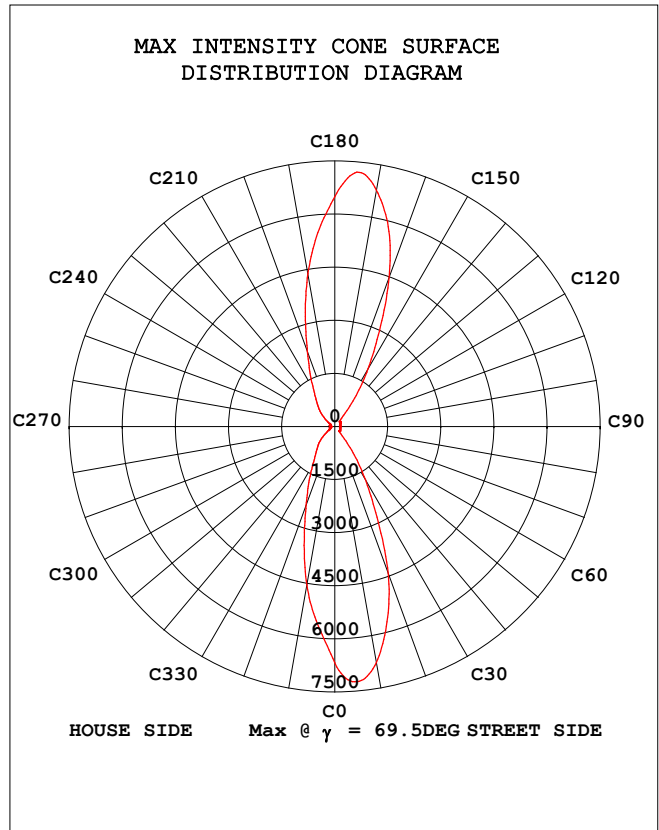
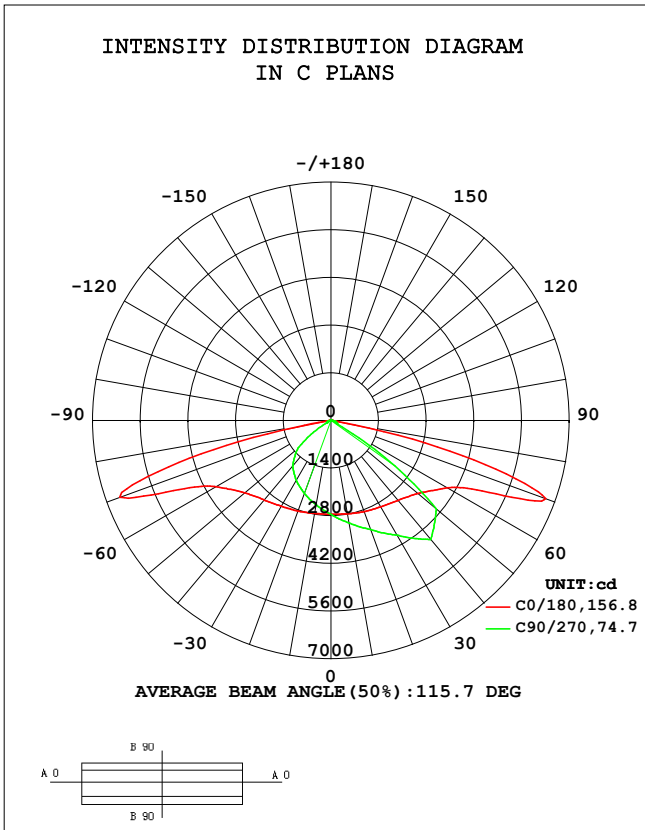


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 201.21 lm/W			
MODEL	60W	I _{max} (cd)	7235	η street_up (%)	0.0
NOMINAL POWER (W)	60W	LOR (%)	154.2	η street_down (%)	96.2
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	11882	η house_up (%)	0.0
NOMINAL FLUX (lm)	7704.48	MAXIMUM @ (C, γ)	5,69.5	η house_down (%)	58.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	220.0	η down (%)	154.2	SLI	



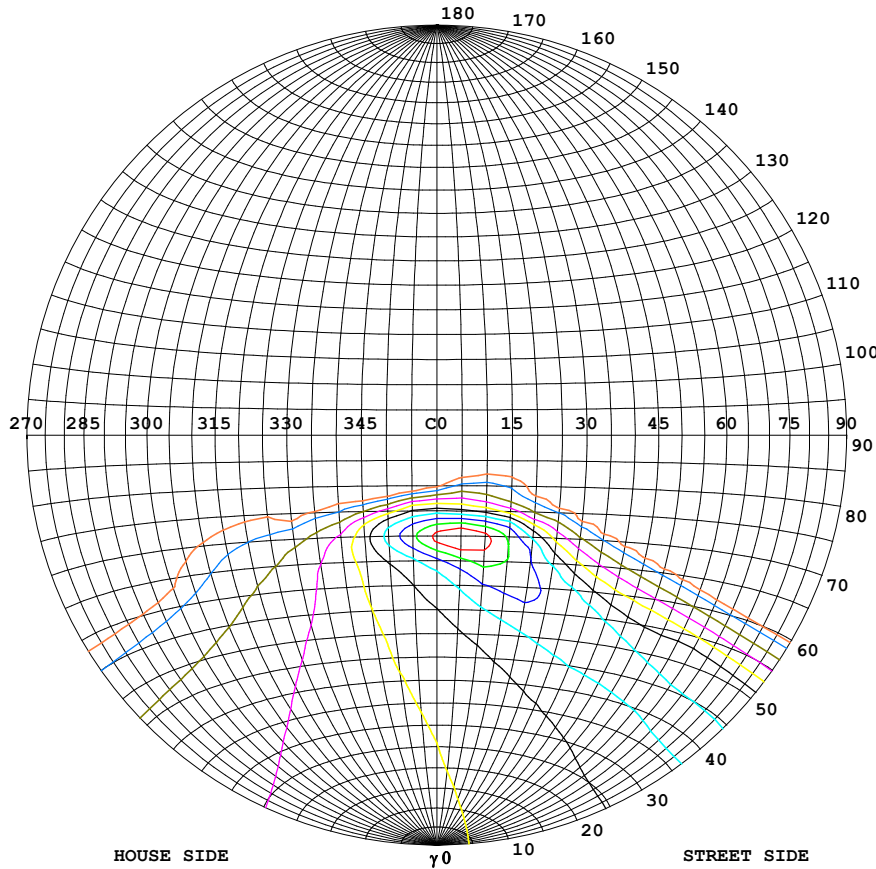
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 9.750m [K=1.0000]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



Classification:

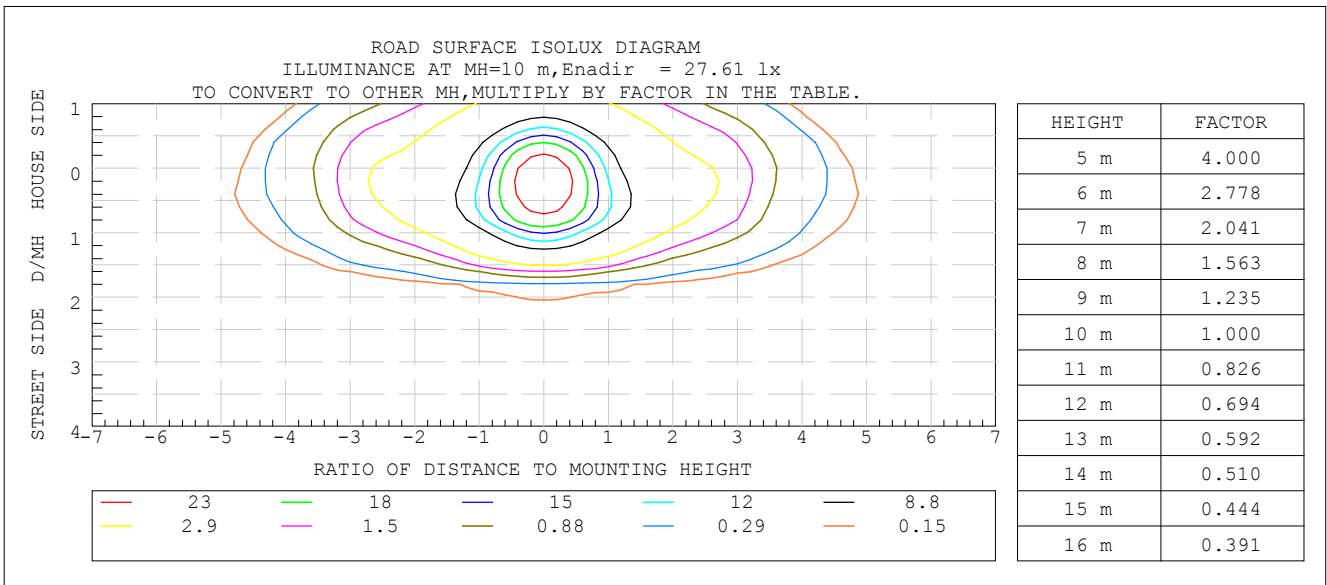
IES:Type II - Medium
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:136.8cd/klm
 Max.At90:1.331cd/klm
 Max.80-90:136.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	7235
90%	6511
80%	5788
70%	5064
60%	4341
50%	3617
40%	2894
30%	2170
20%	1447
10%	723
5%	362

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.750m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 9.750m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

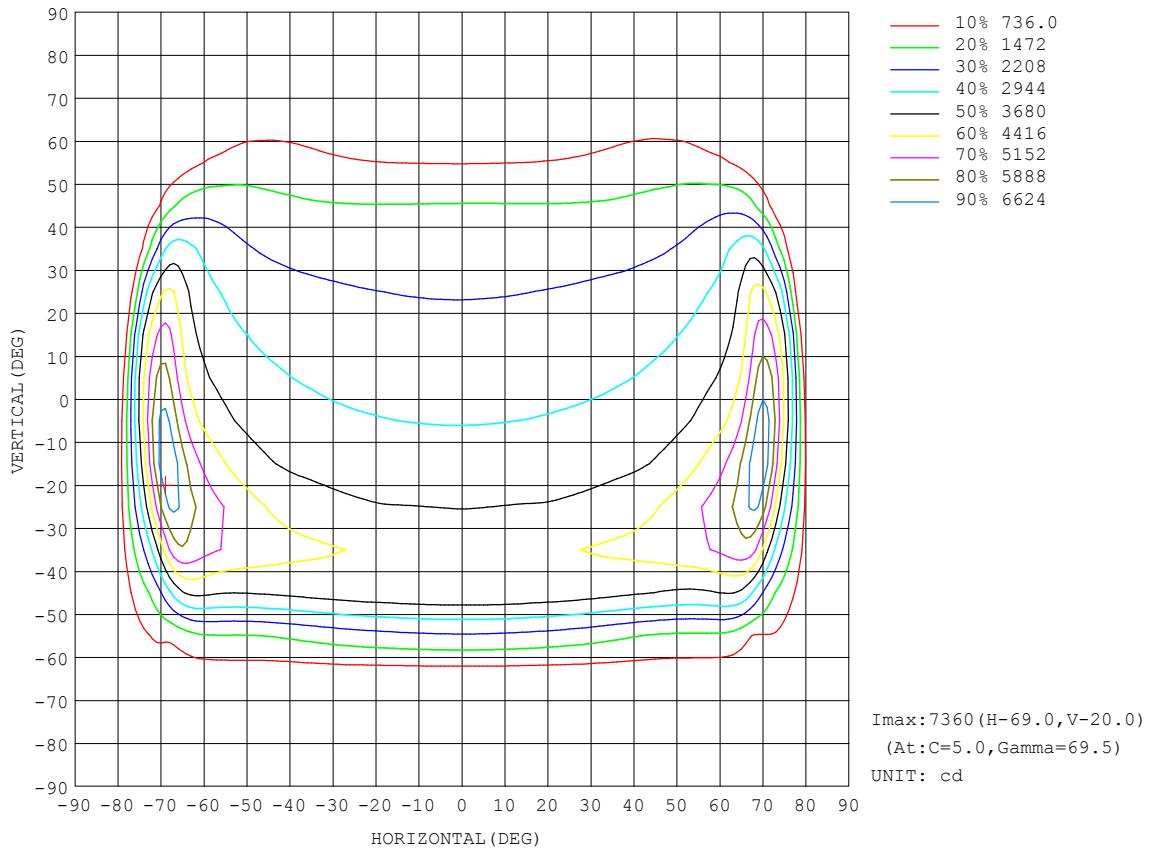
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	2767	2869	2908	2865	2760	2676	2641	2680	0- 5	66.17	66.17	0.56,0.86
10	2787	2984	3055	2976	2776	2598	2522	2605	5- 10	198.9	265.1	2.23,3.44
15	2815	3108	3231	3097	2801	2525	2403	2535	10- 15	332.5	597.6	5.03,7.76
20	2853	3249	3407	3235	2835	2453	2285	2467	15- 20	467.0	1065	8.96,13.8
25	2887	3389	3649	3375	2868	2383	2162	2401	20- 25	602.3	1667	14,21.6
30	2932	3586	3891	3570	2914	2302	2040	2321	25- 30	740.0	2407	20.3,31.2
35	2990	3865	4228	3847	2974	2196	1897	2215	30- 35	880.8	3288	27.7,42.7
40	3069	4184	4565	4168	3054	2077	1754	2094	35- 40	1026	4314	36.3,56
45	3176	4477	4303	4471	3156	1917	1513	1935	40- 45	1160	5474	46.1,71.1
50	3344	4711	4042	4723	3312	1738	1271	1753	45- 50	1253	6727	56.6,87.3
55	3601	3821	2121	3905	3547	1536	714.1	1555	50- 55	1265	7992	67.3,104
60	3965	2684	201.0	2825	3898	1315	157.3	1339	55- 60	1124	9117	76.7,118
65	4895	1090	167.1	1158	4748	916.4	132.1	957.4	60- 65	946.1	10063	84.7,131
70	6716	186.4	133.2	202.9	6601	534.7	107.0	568.2	65- 70	888.0	10951	92.2,142
75	4002	135.2	112.7	143.8	4317	142.8	75.63	146.3	70- 75	662.3	11613	97.7,151
80	250.6	101.5	92.17	107.9	582.1	57.78	44.31	58.51	75- 80	220.0	11833	99.6,154
85	33.55	33.89	0	35.88	40.19	13.61	0	13.55	80- 85	44.49	11878	100,154
90	10.25	0	0	0	10.11	0	0	0	85- 90	4.767	11882	100,154
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.750m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

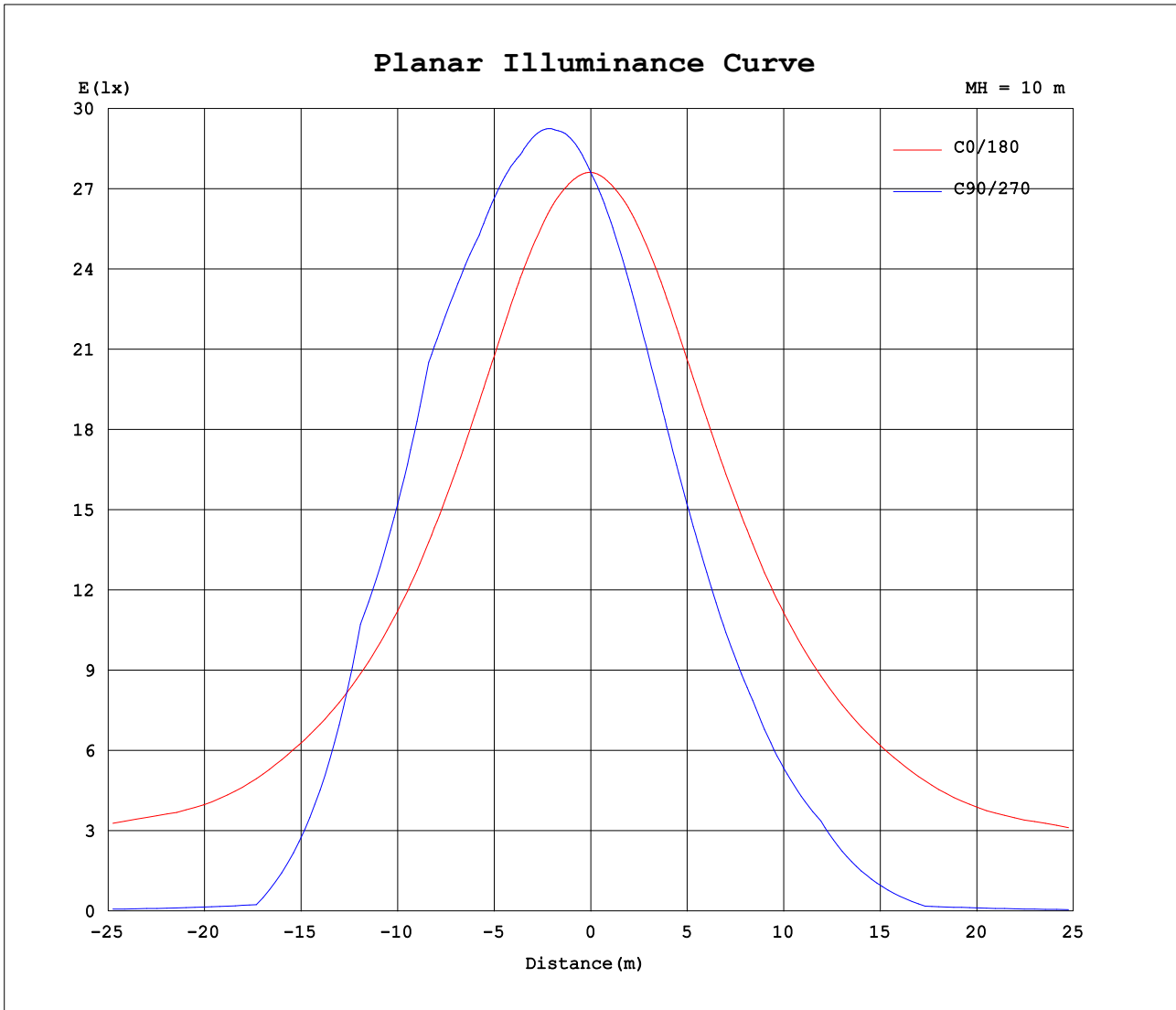
Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:9.750m [K=1.0000]
Remarks:

Planar Illuminance Curve



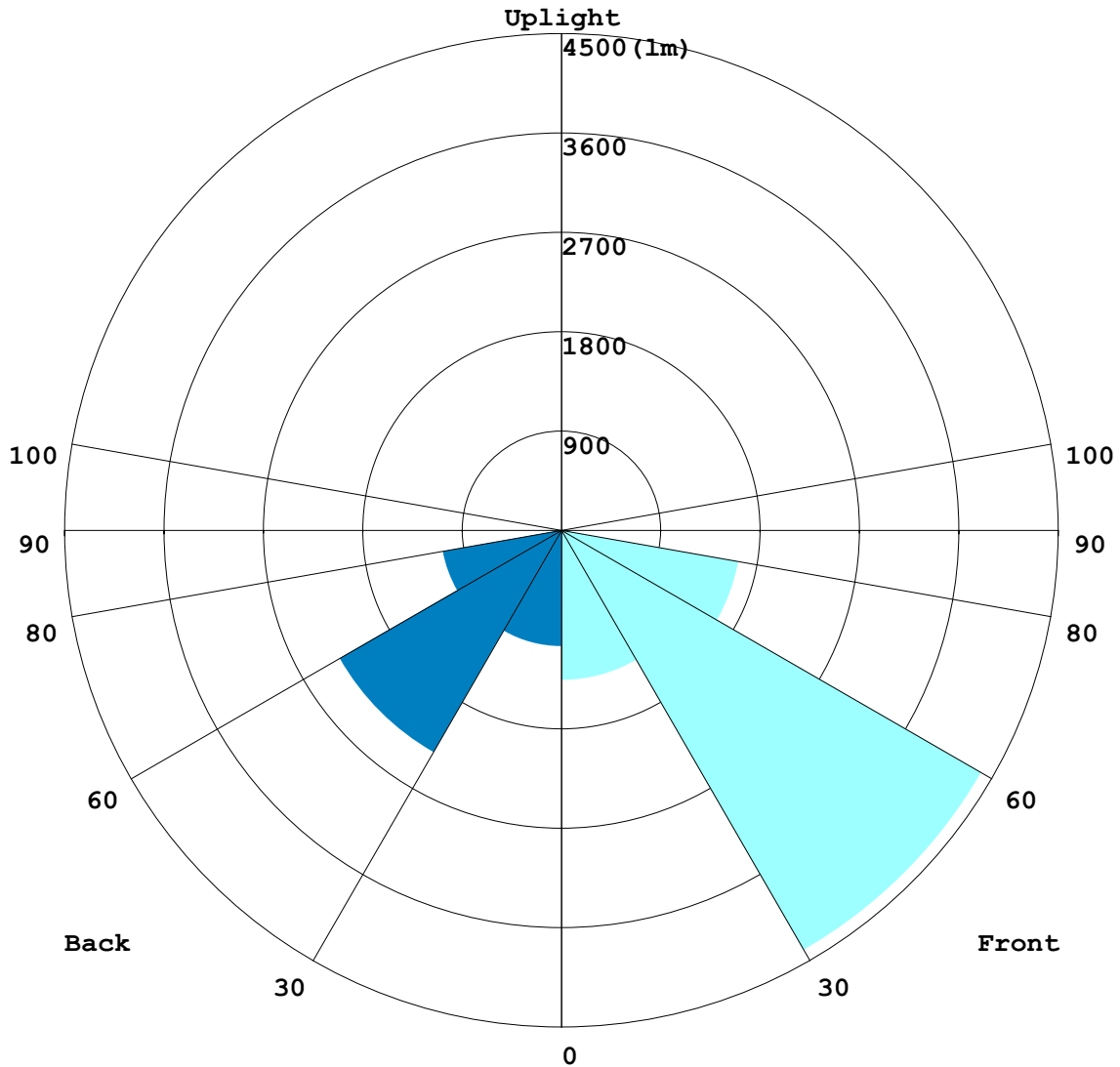
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 9.750m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.750m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1355.5	11.4
FM - Front-Medium(30-60)	4388.9	36.9
FH - Front-High(60-80)	1627.2	13.7
FVH - Front-Very High(80-90)	36.84	0.3
Total Forward Light	7408.5	62.3

BL - Back-Low(0-30)	1051.3	8.8
BM - Back-Medium(30-60)	2321	19.5
BH - Back-High(60-80)	1089.3	9.2
BVH - Back-Very High(80-90)	12.418	0.1
Total Back Light	4474	37.7

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4474	0	4474
Street Side	7408.5	0	7408.5

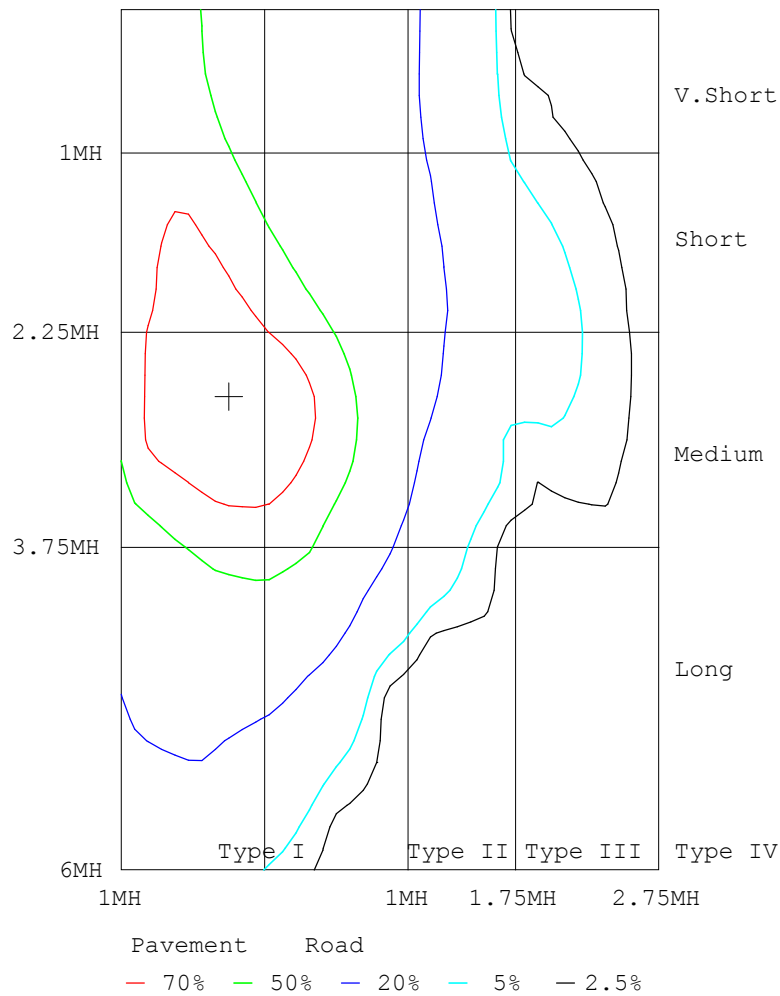
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.750m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.750m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761
5	2907	2906	2903	2898	2893	2888	2881	2873	2865	2855	2845	2834	2823	2811	2799	2786	2773	2760	2750
10	3054	3050	3045	3038	3030	3019	3007	2992	2976	2958	2939	2919	2897	2875	2851	2827	2802	2776	2755
15	3229	3224	3216	3205	3190	3172	3150	3125	3097	3067	3039	3009	2978	2945	2911	2875	2838	2801	2769
20	3405	3400	3391	3378	3359	3335	3306	3272	3235	3193	3150	3103	3061	3020	2976	2931	2884	2835	2792
25	3649	3645	3632	3609	3576	3532	3477	3420	3375	3326	3275	3222	3163	3106	3051	2993	2931	2868	2815
30	3896	3898	3887	3865	3829	3780	3718	3647	3570	3481	3420	3360	3291	3212	3138	3067	2992	2914	2851
35	4233	4226	4202	4166	4113	4044	3976	3918	3847	3757	3646	3533	3454	3358	3249	3165	3073	2974	2899
40	4571	4556	4528	4483	4415	4352	4294	4232	4168	4084	3968	3822	3656	3544	3410	3282	3173	3054	2959
45	4312	4319	4336	4366	4418	4541	4613	4543	4471	4403	4339	4178	3977	3775	3631	3453	3314	3156	3038
50	4036	4019	4001	3991	4006	4067	4186	4394	4723	4663	4597	4588	4436	4190	3965	3736	3527	3312	3157
55	2153	2248	2407	2632	2920	3259	3524	3646	3905	4323	4781	4781	4911	4782	4481	4190	3858	3547	3338
60	236	340	514	759	1073	1453	1868	2318	2825	3253	3819	4596	4919	5348	5184	4900	4369	3898	3606
65	169	171	169	175	185	221	236	621	1158	1759	2473	3279	4290	5152	5816	5978	5527	4748	4221
70	138	144	142	150	155	166	177	194	203	224	818	1700	2834	4324	5791	6734	7182	6601	5514
75	115	125	128	126	125	122	127	135	144	168	200	214	768	1661	2991	3595	4110	4317	3720
80	92.3	108	113	101	98.3	92.7	95.5	102	108	123	136	139	145	225	751	1054	999	582	162
85	0.35	1.65	3.93	6.25	9.51	13.0	18.4	26.7	35.9	49.3	65.5	78.2	73.9	104	147	101	42.0	40.2	36.8
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.1	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.750m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.2686A P:59.06W PF:0.9780 Lamp Flux:7704.48x1 lm		
NAME: 60W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761	2761				
5	2647	2650	2655	2660	2666	2673	2680	2688	2697	2706	2716	2726	2736	2746	2756				
10	2533	2541	2550	2562	2575	2589	2605	2622	2640	2660	2681	2702	2723	2745	2766				
15	2421	2433	2448	2465	2485	2509	2535	2564	2593	2624	2655	2686	2718	2751	2783				
20	2308	2325	2345	2369	2398	2431	2467	2506	2547	2589	2632	2677	2722	2766	2810				
25	2190	2210	2236	2269	2309	2353	2401	2451	2504	2559	2614	2670	2726	2780	2834				
30	2068	2090	2119	2156	2202	2257	2321	2394	2461	2528	2598	2669	2738	2804	2869				
35	1925	1948	1982	2027	2081	2140	2215	2303	2401	2501	2583	2668	2755	2836	2914				
40	1773	1791	1822	1865	1922	1998	2094	2197	2310	2434	2564	2664	2768	2872	2972				
45	1555	1586	1631	1686	1752	1832	1935	2059	2204	2348	2502	2661	2798	2930	3055				
50	1324	1360	1408	1470	1547	1641	1753	1884	2055	2255	2440	2632	2822	3000	3179				
55	835	926	1045	1192	1333	1432	1555	1705	1888	2112	2356	2610	2886	3128	3367				
60	284	382	513	681	884	1106	1339	1513	1709	1979	2279	2622	2974	3314	3625				
65	180	186	228	309	452	711	957	1183	1439	1760	2156	2617	3131	3700	4238				
70	162	135	156	188	263	398	568	717	879	1152	1669	2287	3334	4575	5609				
75	115	95.8	95.5	93.7	90.3	88.3	146	252	321	197	409	720	1410	2525	3661				
80	74.9	55.0	49.3	52.8	50.9	52.9	58.5	58.0	61.9	50.8	50.9	55.5	66.1	74.3	140				
85	2.57	2.98	4.18	6.46	8.13	10.9	13.5	16.7	19.6	22.8	30.2	30.3	28.5	30.6	34.3				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.750m [K=1.0000]
 Remarks: