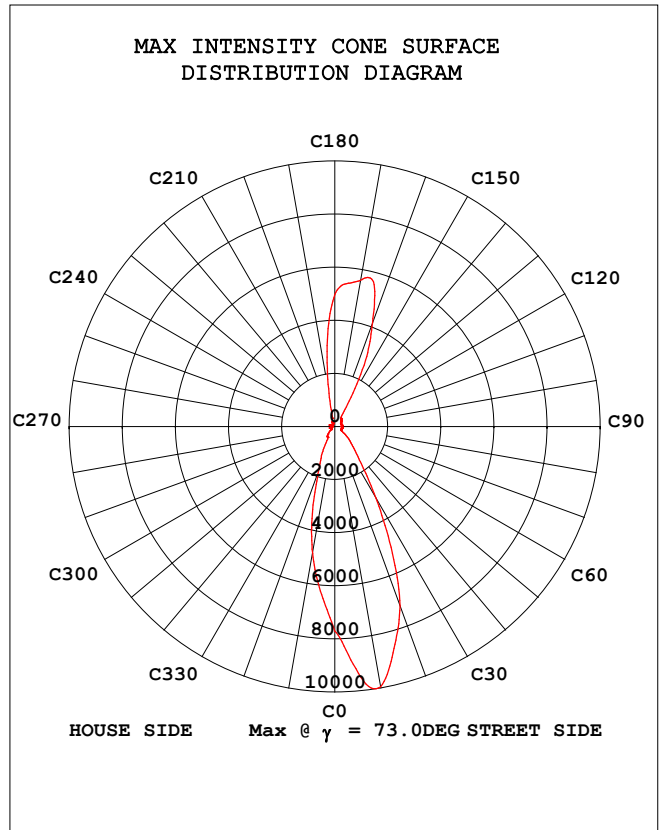
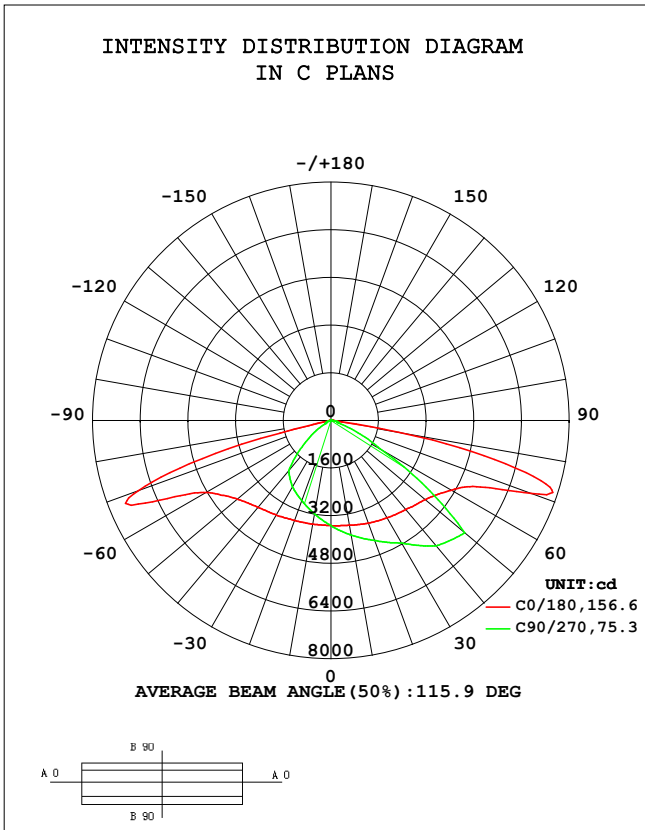


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 201.44 lm/W			
MODEL	80W	I <sub>max</sub> (cd)	9951	η street_up(%)	0.0
NOMINAL POWER(W)	80W	LOR(%)	100.0	η street_down(%)	66.5
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	15595	η house_up(%)	0.0
NOMINAL FLUX(lm)	15595.5	MAXIMUM @ (C,γ )	10,73.0	η house_down(%)	33.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.0	η down(%)	100.0	SLI	



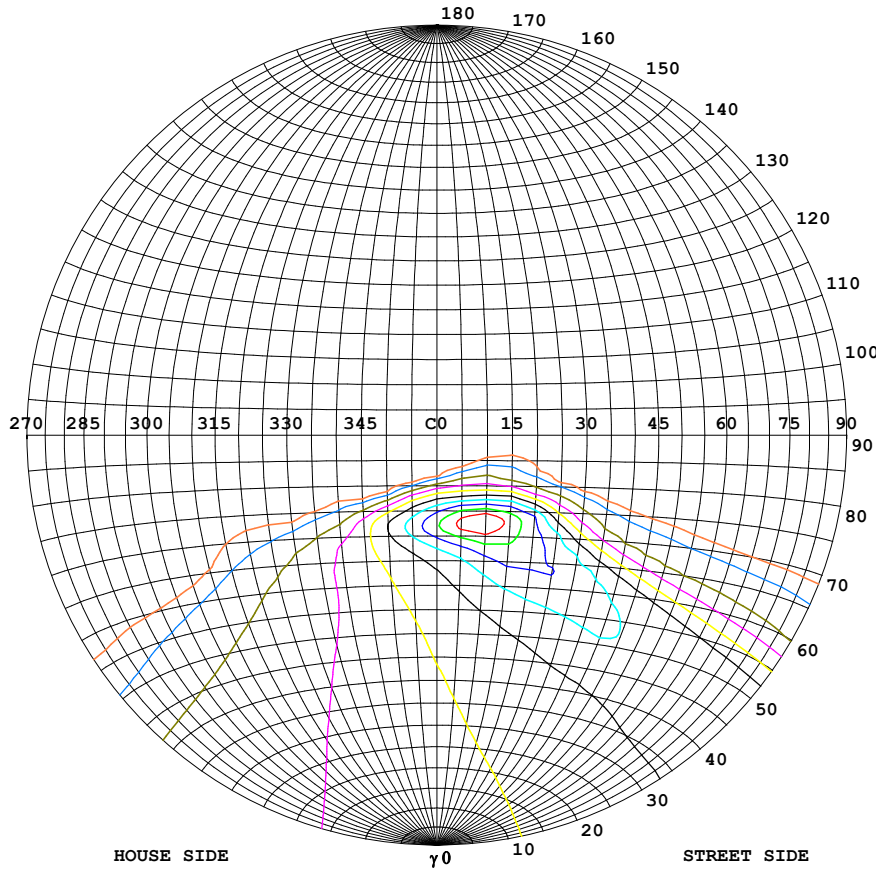
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-06-11

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:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



**Classification:**

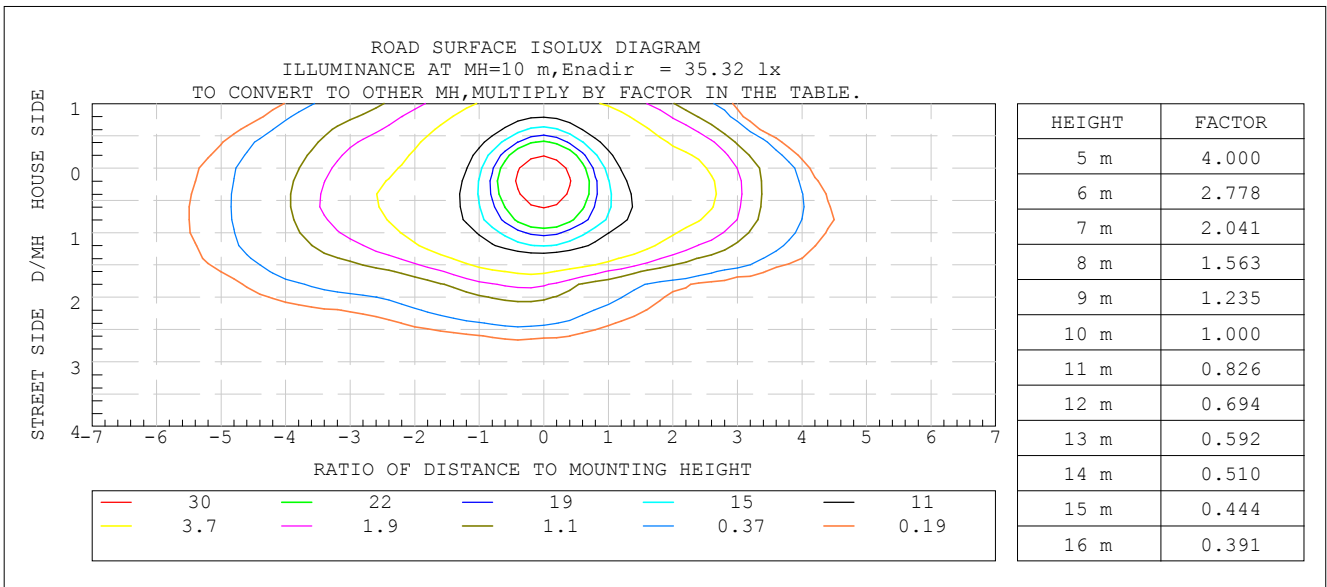
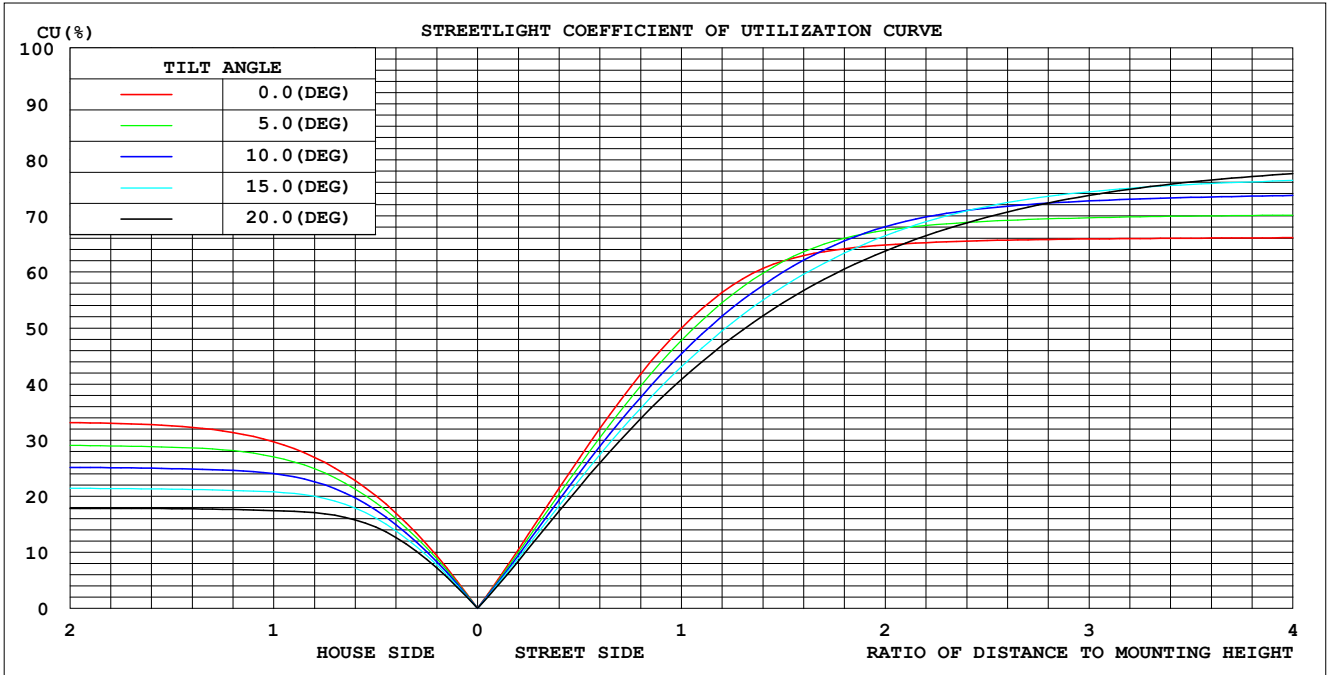
IES:Type II - Medium  
 CIE:Narrow - Long  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:212.6cd/klm  
 Max.At90:1.596cd/klm  
 Max.80-90:212.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	9951
— 90%	8956
— 80%	7961
— 70%	6966
— 60%	5970
— 50%	4975
— 40%	3980
— 30%	2985
— 20%	1990
— 10%	995
— 5%	498

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:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

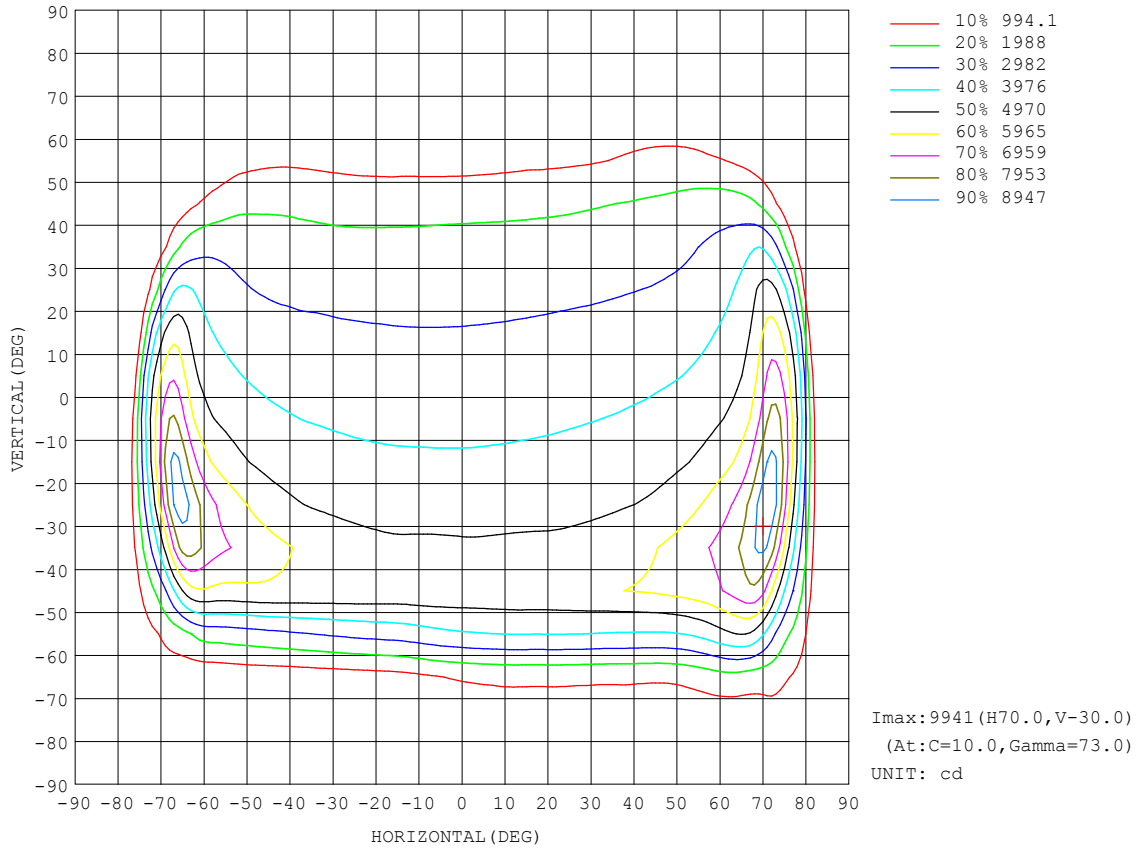
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	3547	3676	3719	3660	3526	3405	3361	3422	0- 5	84.56	84.56	0.54,0.54
10	3575	3823	3906	3795	3538	3284	3190	3316	5- 10	253.8	338.3	2.17,2.17
15	3620	3978	4097	3938	3551	3166	3028	3213	10- 15	422.9	761.3	4.88,4.88
20	3673	4140	4287	4090	3575	3048	2866	3112	15- 20	591.4	1353	8.67,8.67
25	3720	4298	4518	4243	3615	2926	2726	3002	20- 25	759.0	2112	13.5,13.5
30	3775	4472	4749	4437	3671	2792	2585	2886	25- 30	925.8	3037	19.5,19.5
35	3840	4687	5125	4693	3728	2647	2399	2754	30- 35	1092	4130	26.5,26.5
40	3907	4965	5500	5030	3810	2473	2214	2605	35- 40	1263	5392	34.6,34.6
45	4011	5439	5686	5554	3928	2289	1629	2439	40- 45	1427	6820	43.7,43.7
50	4137	5945	5871	6112	4111	2098	1044	2263	45- 50	1566	8385	53.8,53.8
55	4348	5928	3888	5749	4396	1731	641.4	1972	50- 55	1641	10026	64.3,64.3
60	4683	5529	1905	4893	4837	1331	238.3	1650	55- 60	1560	11586	74.3,74.3
65	5257	3286	1093	2142	6347	638.2	193.5	983.1	60- 65	1385	12971	83.2,83.2
70	7165	1510	281.5	468.3	6879	184.2	148.6	492.0	65- 70	1231	14202	91.1,91.1
75	6785	416.4	231.5	272.0	3102	97.21	86.13	176.1	70- 75	895.7	15098	96.8,96.8
80	2320	209.5	181.5	183.2	88.41	42.26	23.64	78.76	75- 80	391.2	15489	99.3,99.3
85	79.18	66.31	0	55.86	30.55	5.404	0	17.58	80- 85	95.28	15585	99.9,99.9
90	24.90	0	0	0	10.77	0	0	0	85- 90	10.85	15595	100,100
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**

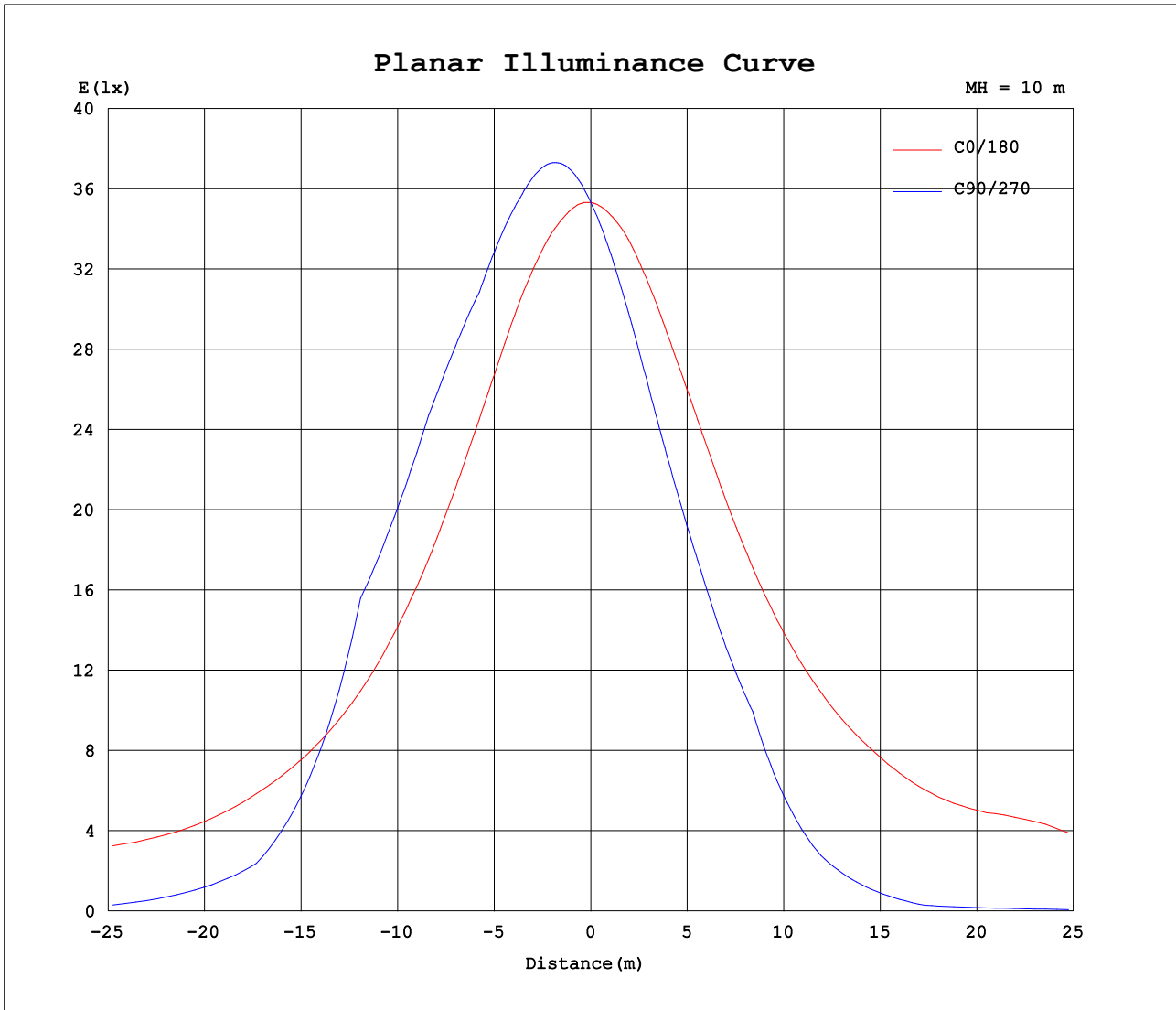
Test:U:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



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



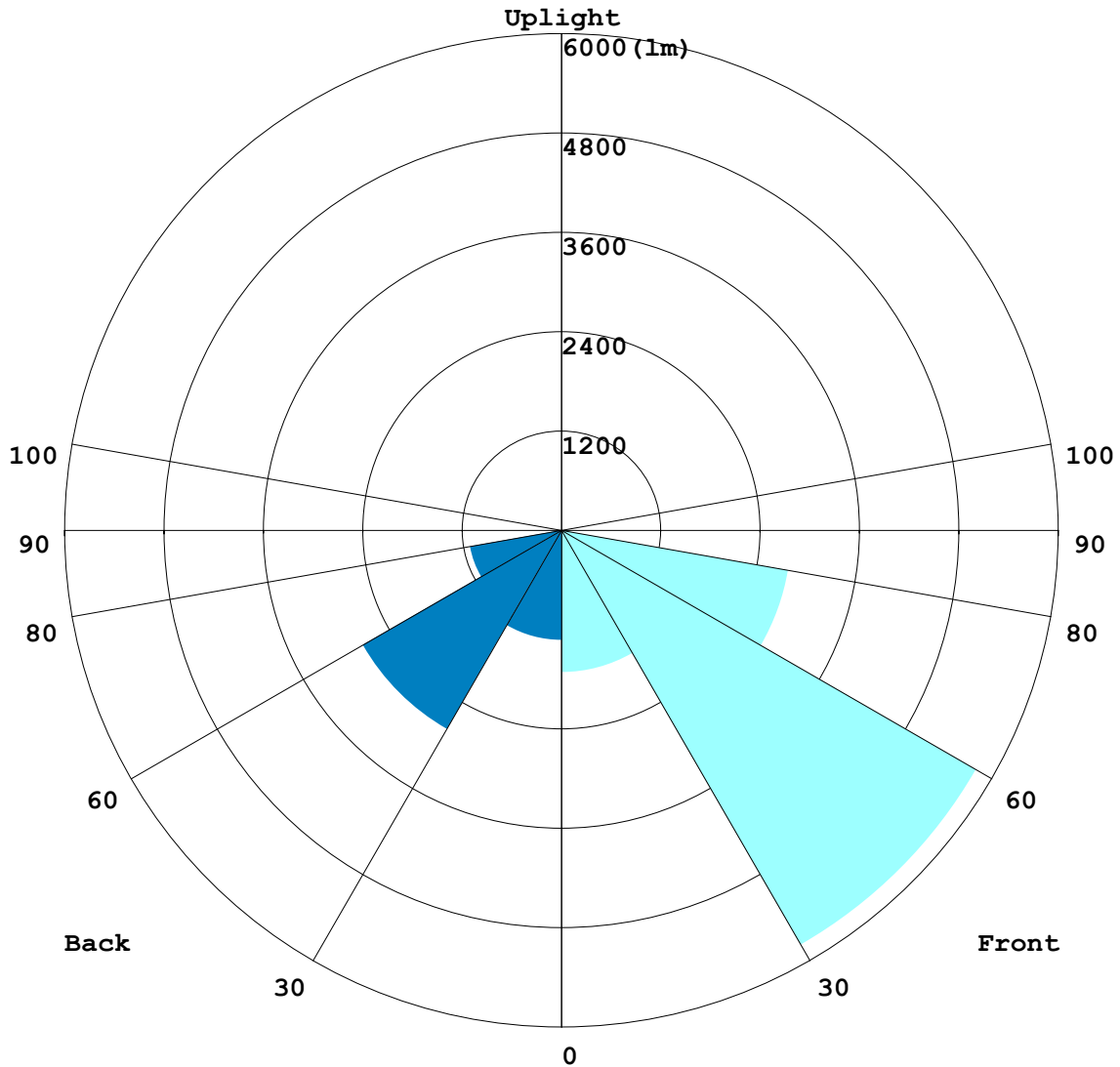
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-06-11

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:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1714.1	11.0
FM - Front-Medium(30-60)	5779.5	37.1
FH - Front-High(60-80)	2781.6	17.8
FVH - Front-Very High(80-90)	92.588	0.6
Total Forward Light	10368	66.5

BL - Back-Low(0-30)	1323.4	8.5
BM - Back-Medium(30-60)	2769.2	17.8
BH - Back-High(60-80)	1121.6	7.2
BVH - Back-Very High(80-90)	13.55	0.1
Total Back Light	5227.7	33.5

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	5227.7	0	5227.7
Street Side	10368	0	10368

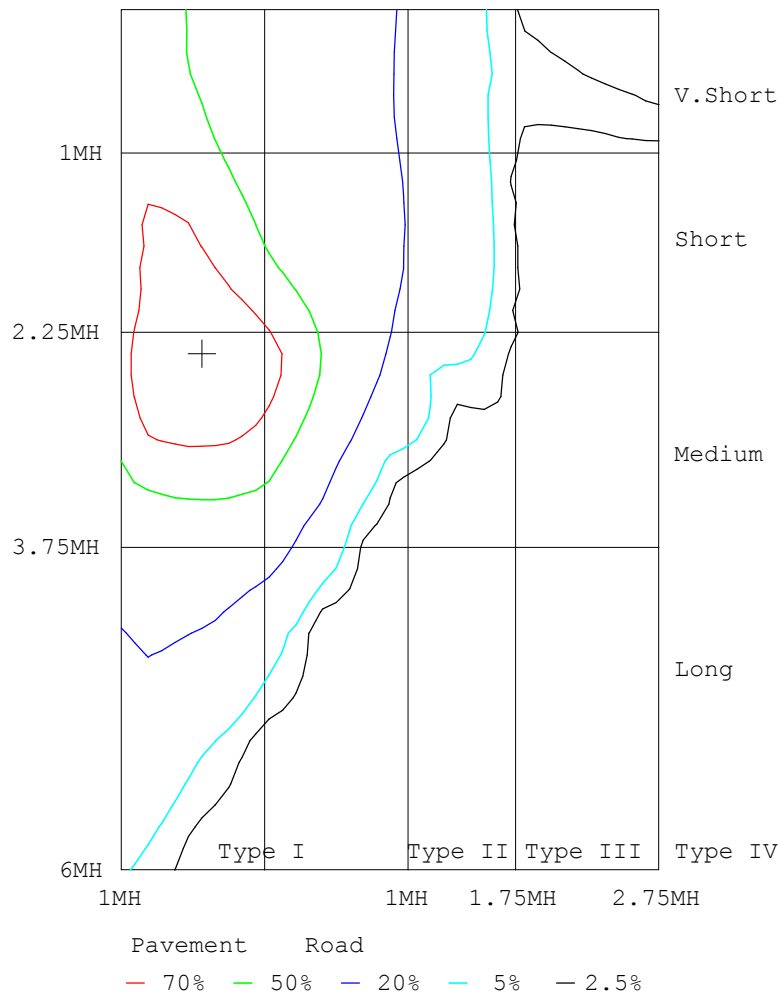
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

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:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	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:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532
5	3547	3564	3580	3596	3611	3625	3639	3653	3665	3676	3686	3694	3702	3708	3713	3716	3719	3720	3719
10	3575	3607	3639	3669	3699	3727	3753	3779	3802	3823	3843	3860	3874	3886	3895	3902	3906	3908	3906
15	3620	3668	3714	3759	3801	3842	3881	3916	3948	3978	4005	4029	4050	4068	4081	4089	4094	4097	4097
20	3673	3735	3795	3853	3907	3959	4007	4054	4099	4140	4176	4206	4231	4252	4269	4279	4283	4286	4287
25	3720	3802	3880	3954	4023	4085	4142	4195	4248	4298	4343	4390	4431	4462	4486	4503	4508	4513	4518
30	3775	3875	3971	4063	4147	4221	4287	4347	4403	4472	4541	4601	4650	4689	4716	4732	4740	4741	4749
35	3840	3959	4073	4180	4285	4376	4453	4540	4620	4687	4745	4812	4911	4993	5051	5088	5109	5114	5125
40	3907	4060	4202	4341	4471	4577	4696	4800	4879	4965	5091	5194	5289	5382	5444	5477	5492	5491	5500
45	4011	4192	4353	4533	4686	4860	5006	5112	5291	5439	5554	5641	5647	5657	5686	5696	5689	5684	5686
50	4137	4378	4608	4835	5043	5234	5405	5638	5823	5945	5849	5803	5785	5786	5830	5868	5866	5871	5871
55	4348	4658	4989	5289	5593	5797	6020	6229	6077	5928	5864	5863	5480	5007	4635	4367	4145	3987	3888
60	4683	5097	5597	6067	6389	6561	6583	6131	5896	5529	4695	4033	3510	3087	2726	2456	2243	2060	1905
65	5257	5843	6597	7227	7175	6876	6164	5483	4252	3286	2518	1984	1805	1636	1476	1358	1271	1173	1093
70	7165	8201	8775	8251	7372	6306	4562	3002	1891	1510	1235	980	791	632	503	418	371	302	281
75	6785	8007	8511	7720	6325	3897	2264	1266	725	416	317	275	251	248	250	267	274	240	231
80	2320	3075	3316	2902	1903	992	254	250	226	209	212	196	193	198	204	234	225	189	182
85	79.2	186	675	680	413	187	192	157	107	66.3	49.6	36.4	27.2	19.4	12.6	8.13	3.44	0.72	0.00
90	24.9	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	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:219.8V I:0.3522A P:77.42W PF:0.9806 Lamp Flux:15595.5x1 lm		
NAME: 80W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532	3532
5	3496	3481	3467	3453	3440	3428	3416	3405	3395	3387	3379	3373	3368	3364	3362	3361	3361	3363	3365
10	3476	3446	3416	3387	3359	3332	3307	3284	3263	3245	3230	3217	3206	3197	3192	3190	3190	3193	3199
15	3458	3412	3366	3322	3280	3239	3200	3166	3135	3107	3083	3064	3049	3037	3030	3027	3028	3033	3042
20	3454	3393	3332	3271	3210	3150	3096	3048	3006	2968	2937	2911	2891	2877	2867	2864	2866	2873	2884
25	3458	3379	3301	3219	3136	3060	2990	2926	2869	2828	2793	2767	2748	2735	2727	2724	2726	2733	2744
30	3475	3376	3268	3154	3047	2950	2863	2792	2733	2683	2646	2620	2604	2593	2586	2585	2585	2592	2605
35	3502	3389	3236	3087	2952	2830	2729	2647	2576	2524	2479	2442	2416	2403	2397	2396	2399	2410	2426
40	3496	3325	3155	3000	2839	2694	2571	2473	2397	2329	2281	2243	2212	2197	2200	2206	2214	2227	2243
45	3520	3301	3096	2893	2694	2531	2402	2289	2196	2123	2016	1886	1772	1688	1642	1624	1629	1661	1718
50	3573	3286	3021	2776	2553	2376	2231	2098	1885	1679	1495	1336	1205	1109	1051	1033	1044	1089	1165
55	3694	3311	2988	2679	2422	2220	1973	1731	1482	1226	1009	864	768	723	672	642	641	673	739
60	3903	3431	3013	2572	2215	1846	1611	1331	999	739	560	450	384	387	319	260	238	260	320
65	4399	3522	2657	2038	1526	1251	956	638	358	209	210	217	257	299	234	200	193	202	235
70	3677	2099	1268	498	573	431	203	184	159	155	156	160	234	278	169	144	149	151	179
75	253	138	104	106	116	129	113	97.2	90.7	98.5	97.5	93.6	136	169	100	84.0	86.1	90.2	111
80	70.0	65.5	68.2	58.4	51.5	51.9	48.3	42.3	38.5	36.3	32.5	28.4	29.4	34.1	27.6	23.7	23.6	29.7	39.6
85	25.6	22.6	22.5	21.0	16.5	11.2	7.14	5.40	4.40	3.28	2.35	1.71	1.04	0.87	0.39	0.09	0.00	0.11	0.58
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	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:

