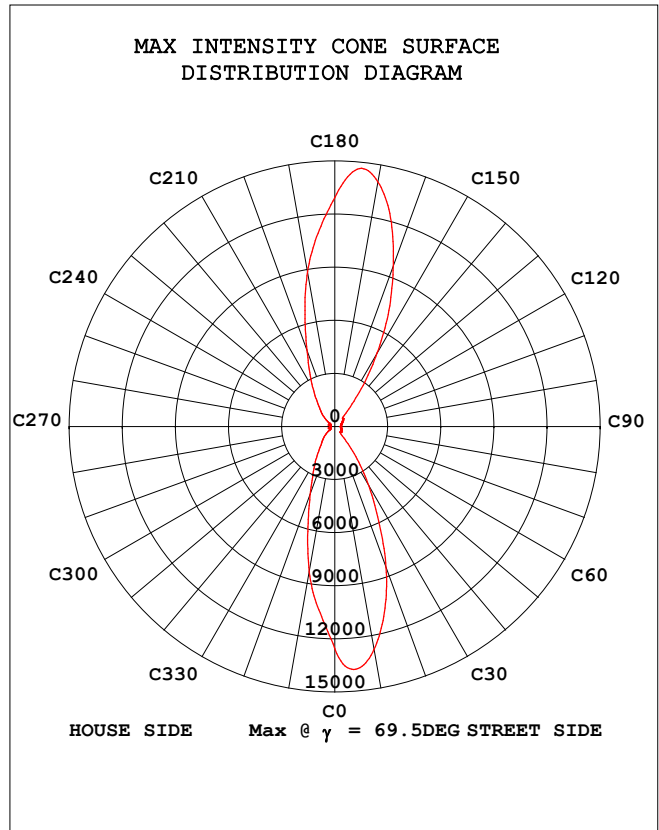
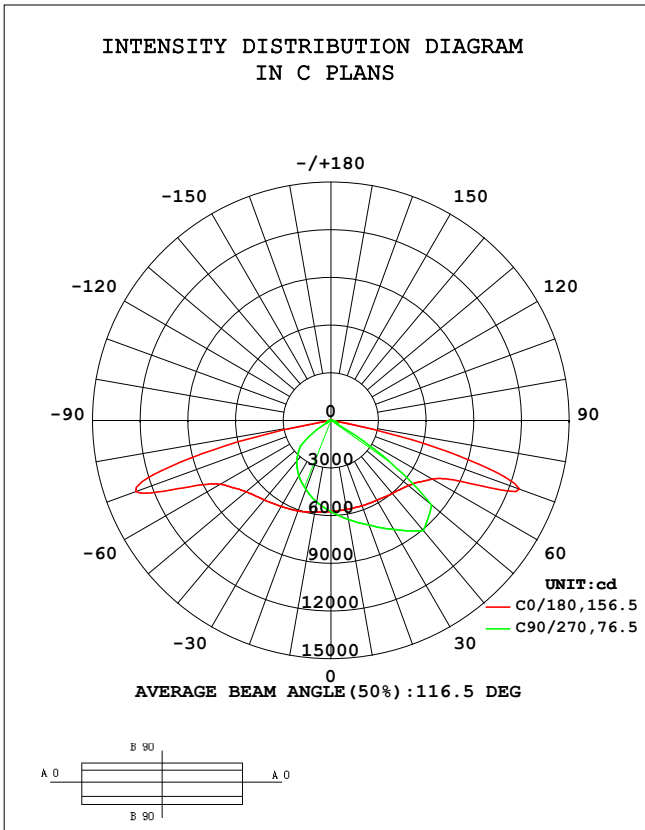


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.8V I:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 203.46 lm/W			
MODEL	120W	I <sub>max</sub> (cd)	14602	η street_up(%)	0.0
NOMINAL POWER(W)	120W	LOR(%)	100.0	η street_down(%)	63.1
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	24098	η house_up(%)	0.0
NOMINAL FLUX(lm)	24098	MAXIMUM @ (C,γ )	175,69.5	η house_down(%)	36.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.0	η down(%)	100.0	SLI	



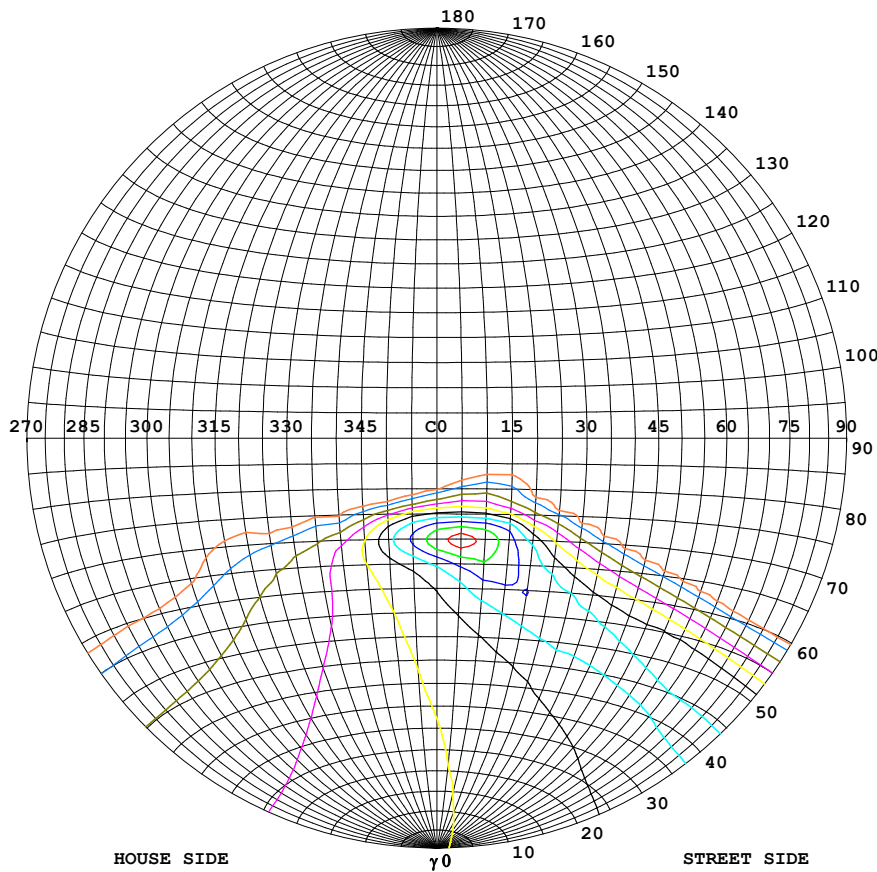
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-06-11

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:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



Classification:

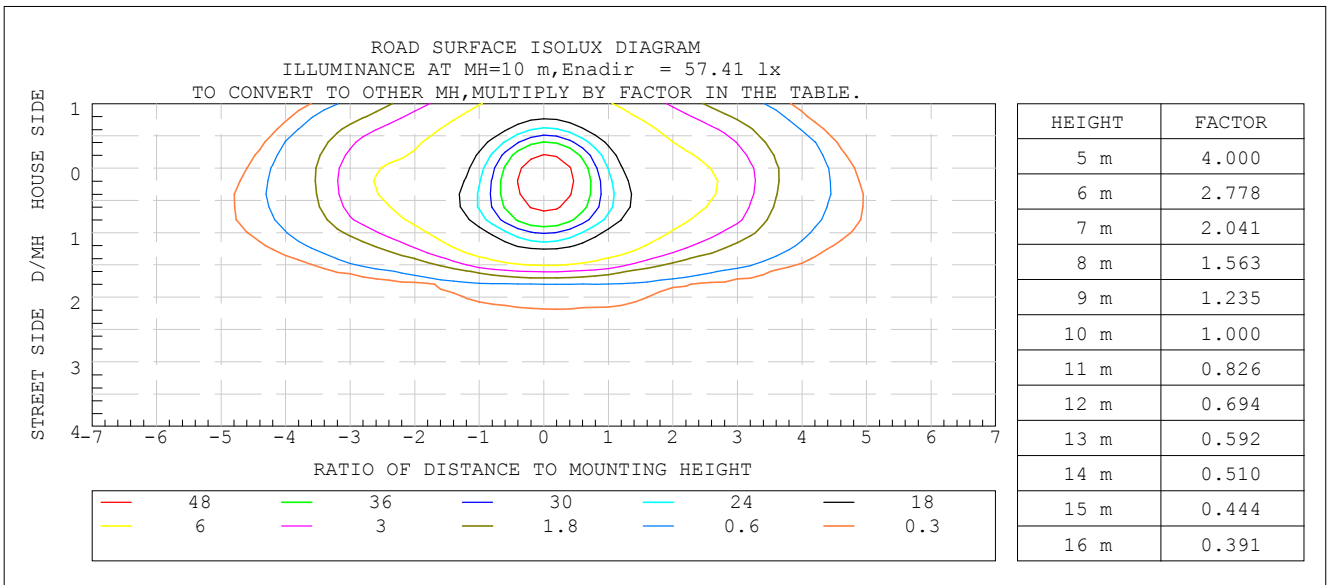
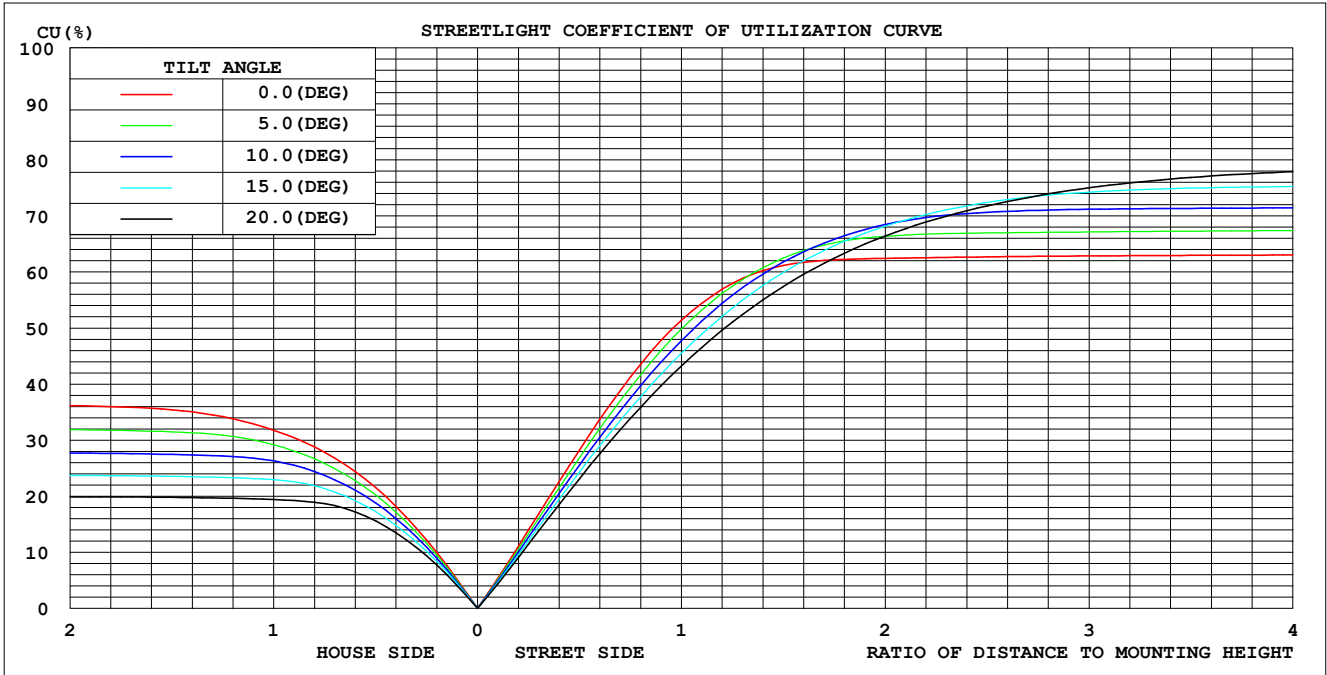
IES:Type II - Medium  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:109.8cd/klm  
 Max.At90:0.6987cd/klm  
 Max.80-90:109.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	14602
— 90%	13142
— 80%	11682
— 70%	10222
— 60%	8761
— 50%	7301
— 40%	5841
— 30%	4381
— 20%	2920
— 10%	1460
— 5%	730

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:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

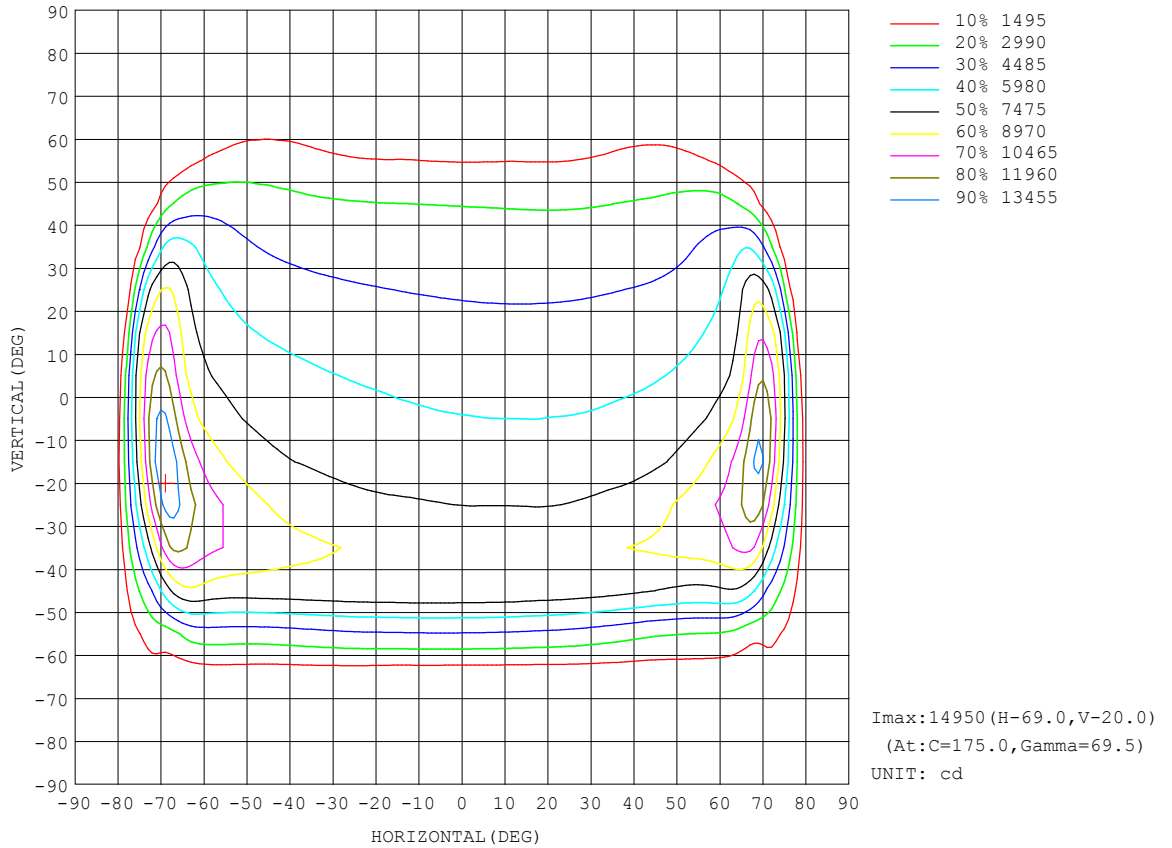
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	#lum,lamp
5	570.3	591.9	603.1	597.9	578.8	559.1	548.3	553.0	0- 5	137.5	137.5	0.57,0.57
10	569.2	610.9	632.1	622.9	586.6	545.3	522.5	533.1	5- 10	412.6	550.1	2.28,2.28
15	569.5	631.8	665.9	649.5	595.8	531.6	492.5	513.6	10- 15	687.8	1238	5.14,5.14
20	572.7	656.0	699.6	677.8	606.8	514.2	462.5	491.9	15- 20	961.5	2199	9.13,9.13
25	575.4	679.3	745.6	706.3	615.5	496.5	433.6	470.9	20- 25	1234	3433	14.2,14.2
30	580.6	714.5	791.6	744.3	626.3	475.3	404.6	447.8	25- 30	1507	4940	20.5,20.5
35	589.1	764.4	848.6	796.0	638.5	449.9	371.2	421.2	30- 35	1781	6721	27.9,27.9
40	600.6	823.1	905.7	854.7	654.0	420.7	337.8	391.6	35- 40	2059	8779	36.4,36.4
45	615.3	876.8	866.7	905.6	672.1	388.0	293.9	359.3	40- 45	2313	11093	46,46
50	638.2	921.5	827.6	949.6	698.7	352.5	249.9	324.5	45- 50	2506	13598	56.4,56.4
55	677.3	787.7	440.1	836.5	742.5	323.5	144.0	297.3	50- 55	2552	16150	67,67
60	739.2	598.7	52.50	665.7	804.7	285.1	38.13	261.6	55- 60	2287	18438	76.5,76.5
65	912.1	248.0	41.91	289.5	992.0	182.1	31.84	163.5	60- 65	1929	20366	84.5,84.5
70	1263	46.54	31.31	63.94	1308	96.14	25.55	84.79	65- 70	1789	22156	91.9,91.9
75	760.2	32.03	25.83	35.58	912.4	29.06	18.27	26.41	70- 75	1353	23509	97.6,97.6
80	53.99	22.61	20.34	23.81	93.21	12.76	10.99	11.57	75- 80	479.3	23988	99.5,99.5
85	5.881	7.040	0	7.441	8.531	3.079	0	2.732	80- 85	100.1	24089	100,100
90	1.684	0	0	0	1.481	0	0	0	85- 90	9.528	24098	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:*10cd								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**

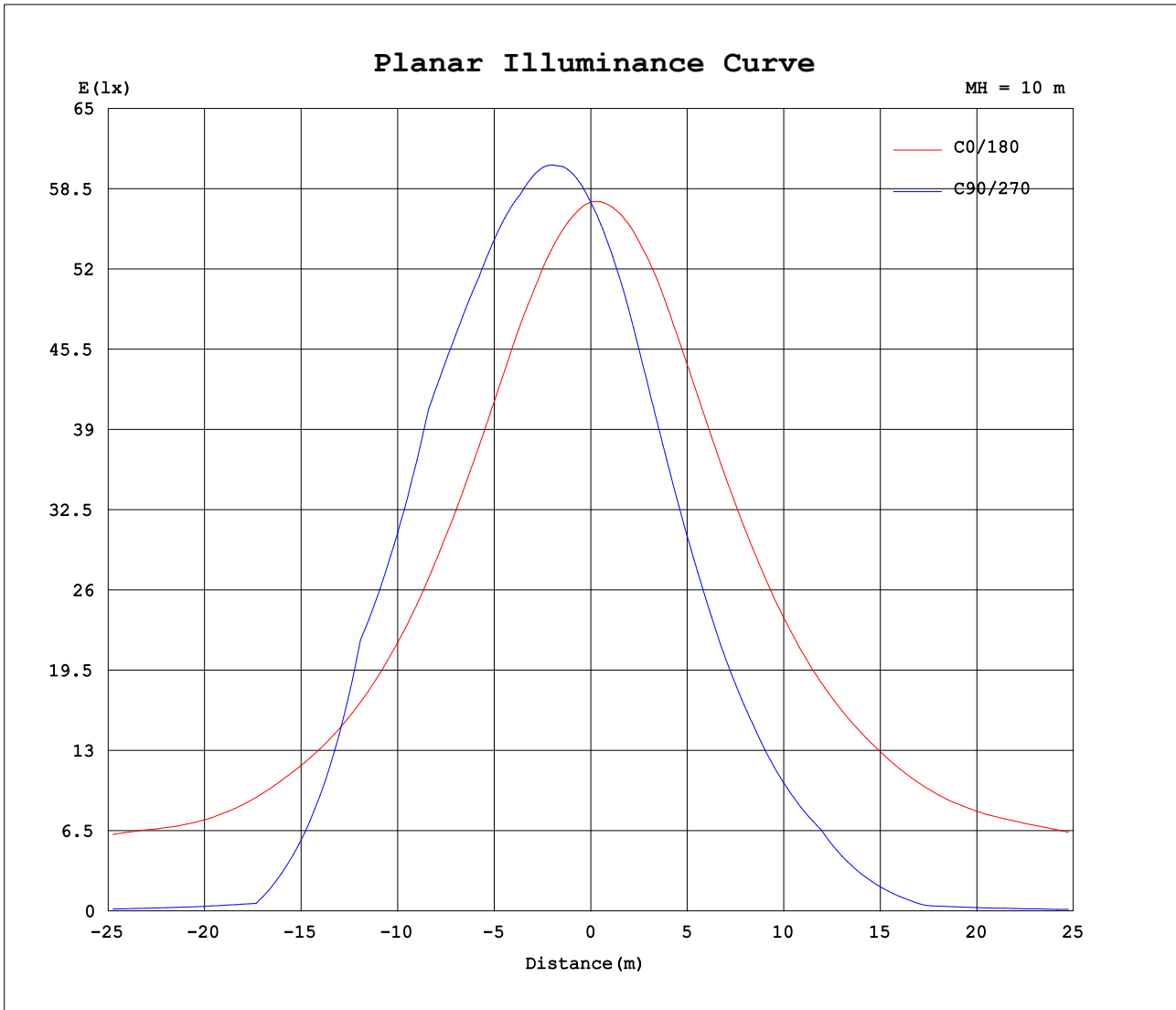
Test:U:219.8V I:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



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



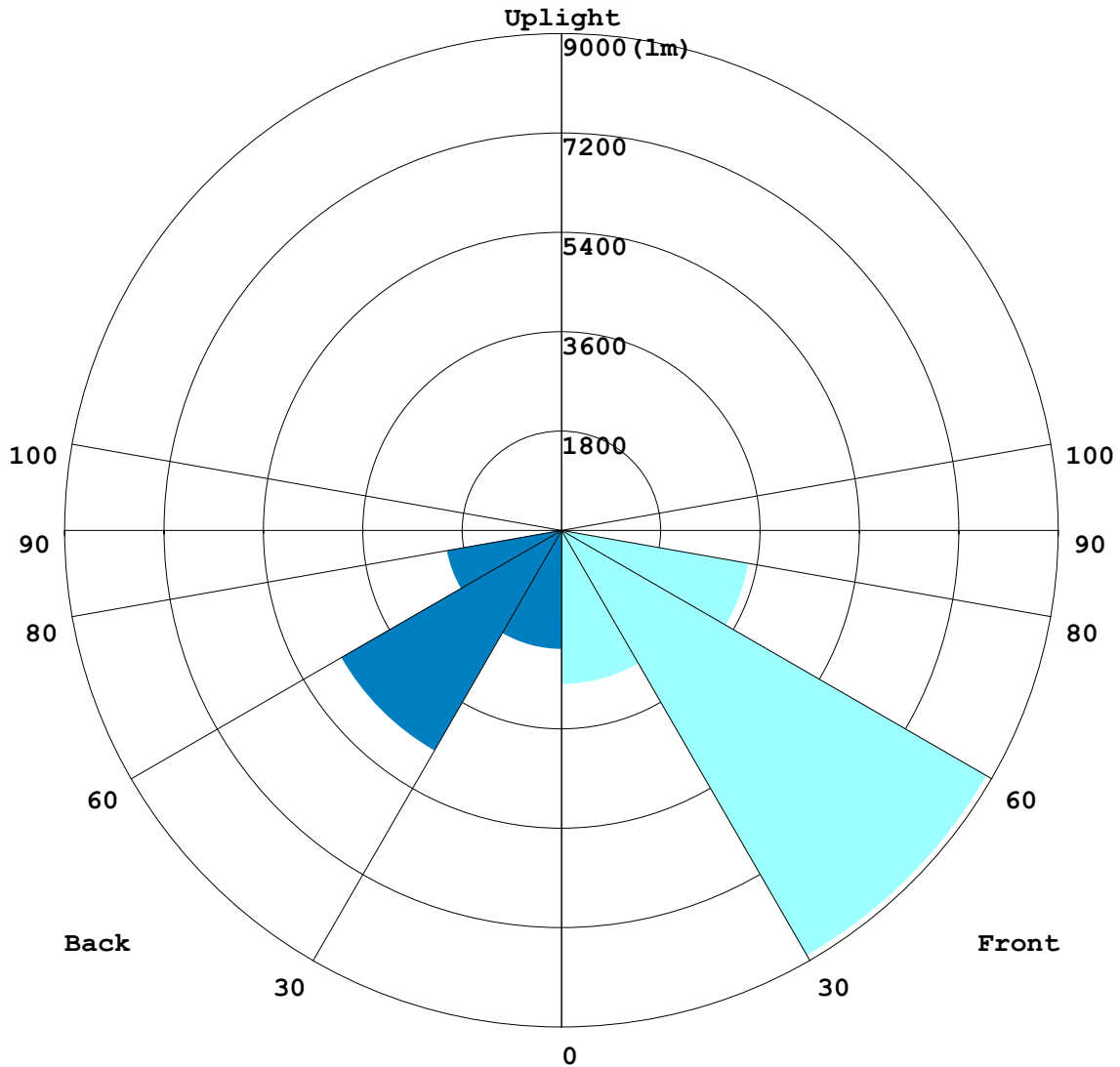
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-06-11

$\gamma$  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:

**LCS REPORT**

Test:U:219.8V I:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	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:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2785.9	11.6
FM - Front-Medium(30-60)	8889.9	36.9
FH - Front-High(60-80)	3443.5	14.3
FVH - Front-Very High(80-90)	82.397	0.3
Total Forward Light	15202	63.1

BL - Back-Low(0-30)	2153.6	8.9
BM - Back-Medium(30-60)	4608.2	19.1
BH - Back-High(60-80)	2107.2	8.7
BVH - Back-Very High(80-90)	27.271	0.1
Total Back Light	8896.3	36.9

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	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8896.3	0	8896.3
Street Side	15202	0	15202

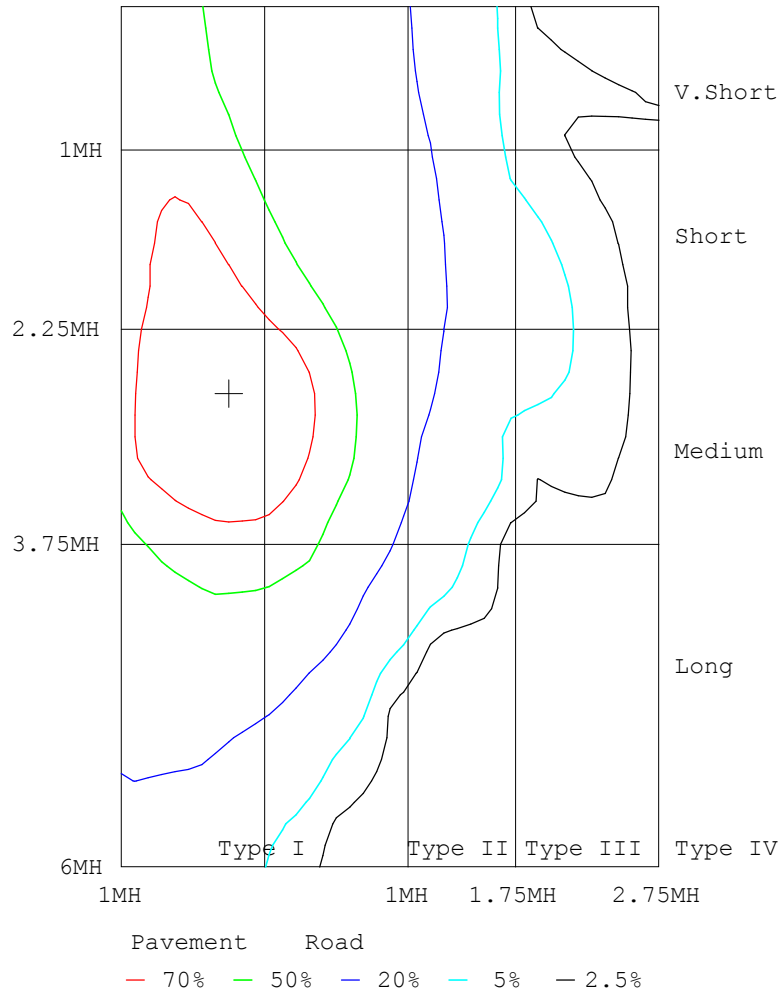
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

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:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	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:0.5503A P:118.4W PF:0.9792 Lamp Flux:24098x1 lm		
NAME: 120W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

Table--1

UNIT: ×10cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574
5	570	573	575	578	580	583	585	588	590	592	594	596	597	599	600	601	602	603	603
10	569	574	579	584	589	594	598	603	607	611	615	618	621	624	626	628	630	631	632
15	570	577	584	592	599	606	613	619	625	632	638	644	649	653	657	660	663	665	666
20	573	582	592	601	609	618	627	637	647	656	665	672	679	684	689	693	696	698	700
25	575	588	600	611	622	634	647	658	669	679	690	703	715	724	732	738	742	744	746
30	581	596	611	625	640	656	670	682	696	715	731	746	759	771	779	785	789	790	792
35	589	609	627	645	665	684	700	723	745	764	780	793	807	821	832	840	845	848	849
40	601	624	645	670	695	718	752	782	805	823	836	849	861	874	888	897	903	905	906
45	615	645	672	709	738	779	818	851	863	877	891	905	895	879	873	870	868	867	867
50	638	680	723	772	817	867	896	895	907	922	871	841	824	816	816	820	823	825	828
55	677	739	810	874	931	956	920	919	850	788	751	736	682	610	547	501	466	446	440
60	739	836	957	1004	1025	936	873	753	669	599	492	398	312	234	167	116	80.1	58.7	52.5
65	912	1064	1157	1082	964	810	651	518	371	248	138	58.1	55.3	49.7	45.7	42.9	42.5	41.7	41.9
70	1263	1371	1276	1080	819	561	348	173	50.8	46.5	45.0	41.8	39.2	37.0	36.0	33.9	33.4	31.8	31.3
75	760	787	752	599	335	158	48.7	43.6	36.7	32.0	30.3	28.4	27.4	27.5	28.2	28.2	27.8	25.9	25.8
80	54.0	180	230	172	45.0	30.1	28.6	28.2	25.5	22.6	21.4	20.1	19.9	20.7	21.2	22.7	22.5	20.1	20.3
85	5.88	6.56	16.0	28.9	17.4	13.6	14.7	12.9	9.98	7.04	5.26	3.76	2.74	1.97	1.30	0.78	0.34	0.08	0.00
90	1.68	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:





