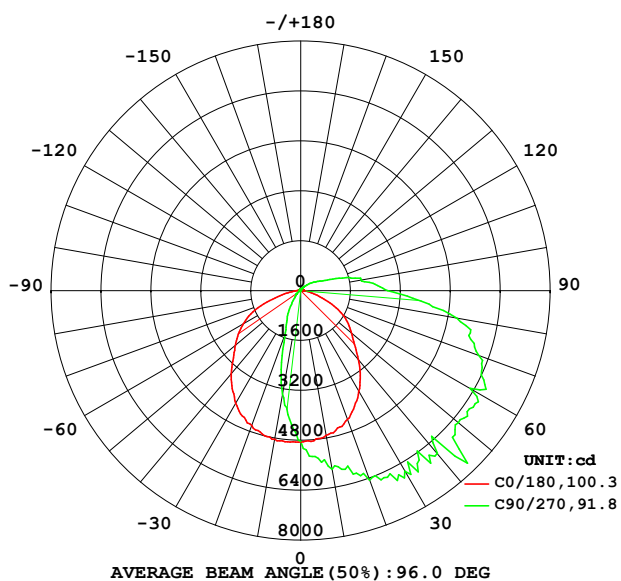
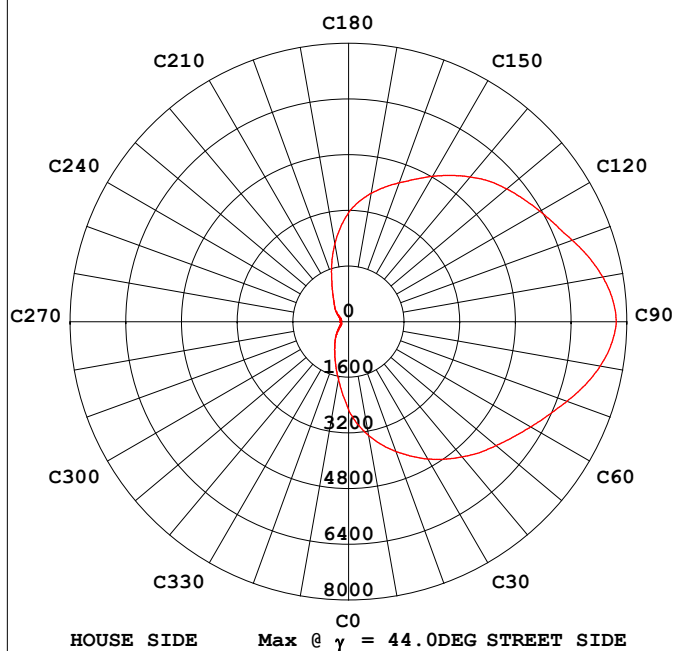


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.48 lm/W			
MODEL	J-WP09-120W-S4W3C	I _{max} (cd)	7694	η street_up (%)	10.4
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	74.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	18114	η house_up (%)	0.9
NOMINAL FLUX (lm)	18113.9	MAXIMUM @ (C, γ)	90,44.0	η house_down (%)	13.9
LAMPS INSIDE	1	η up (%)	11.2	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	88.8	SLI	

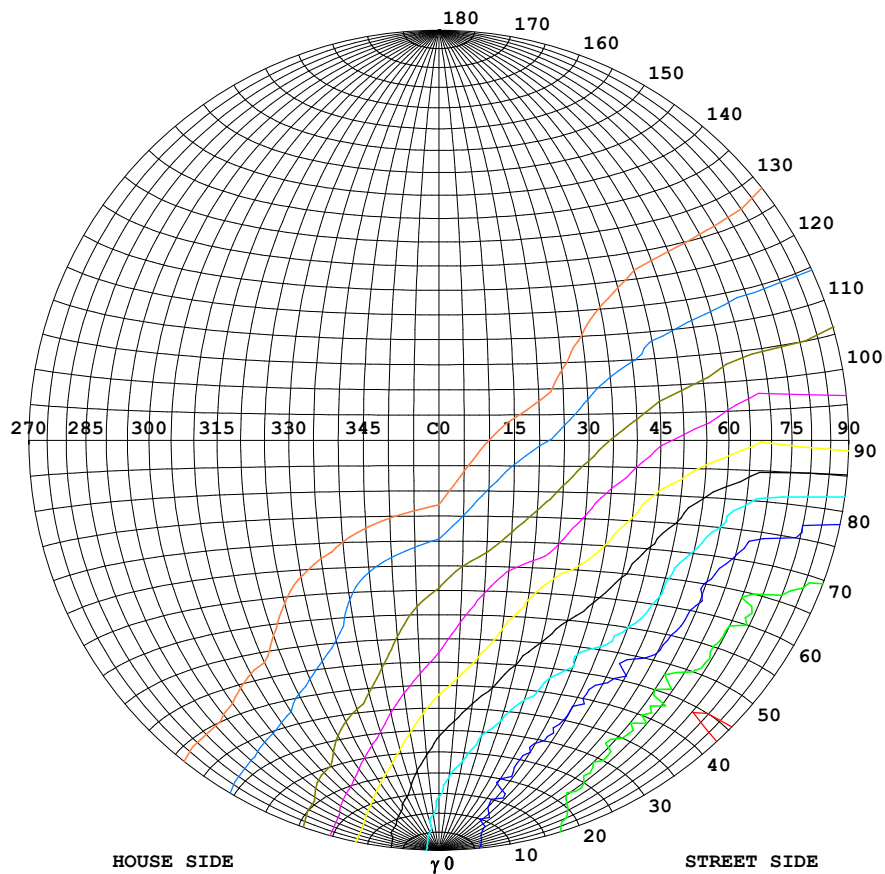
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-8-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:



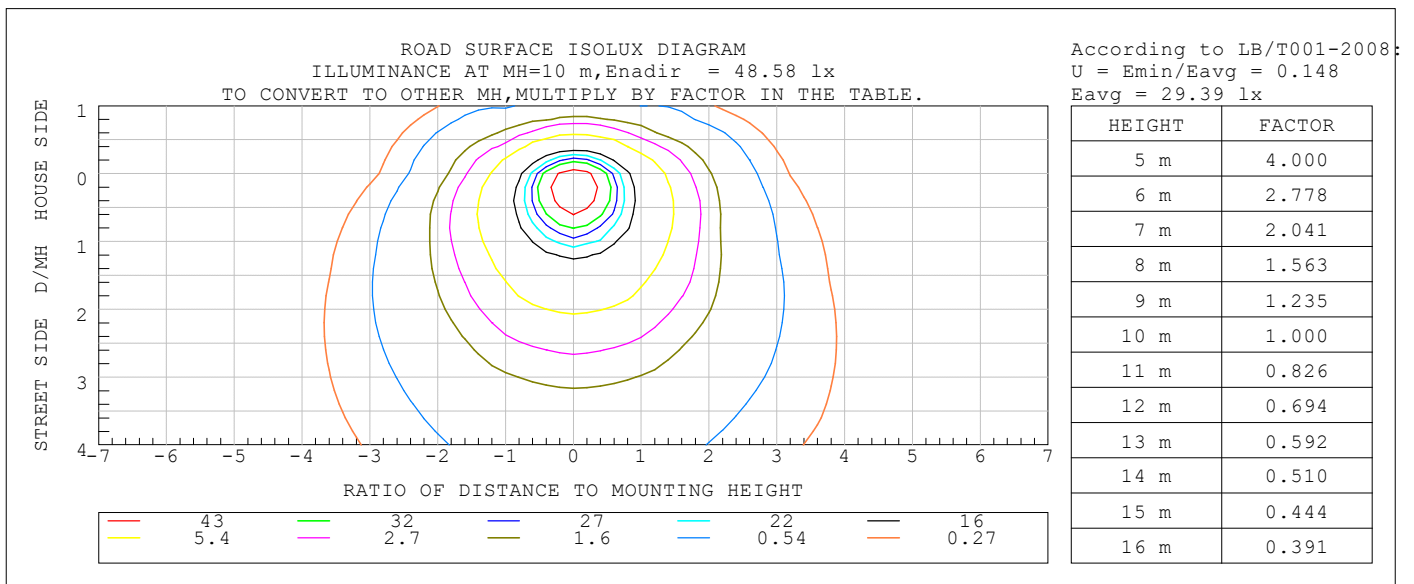
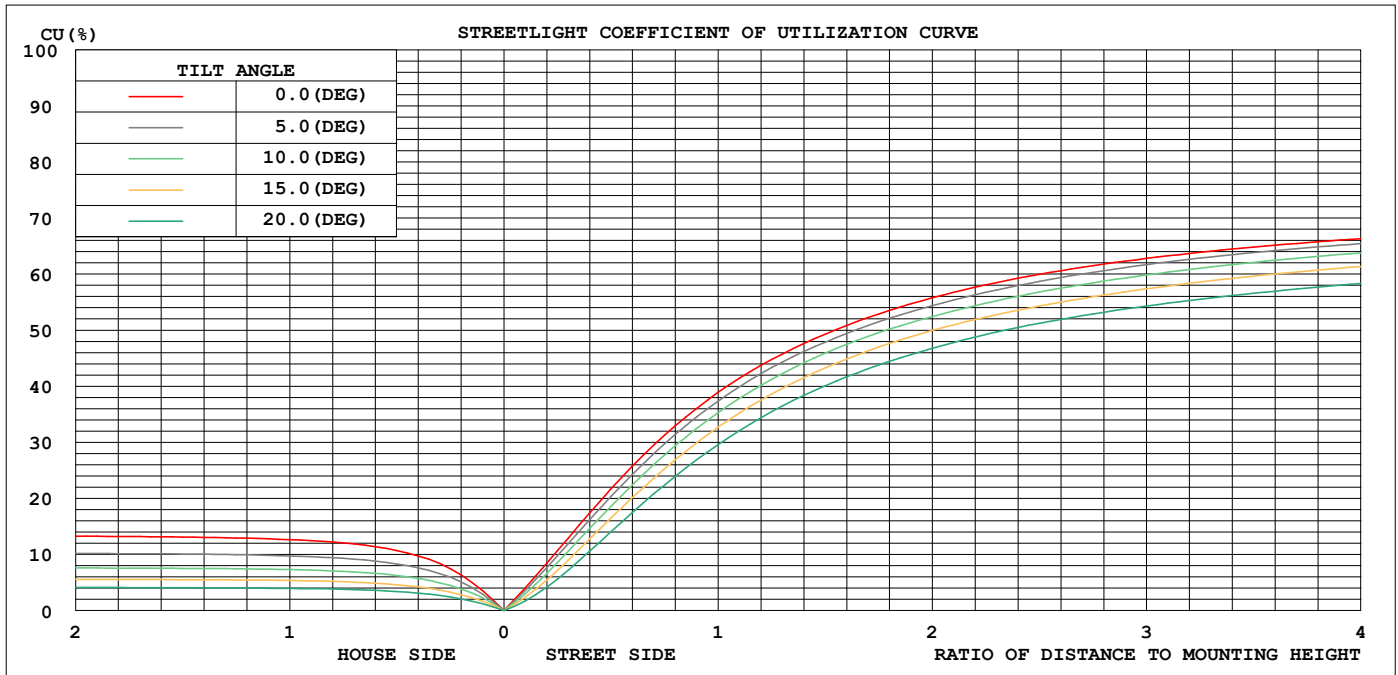
Classification:

IES:Type IV - Very Short
CIE:Average - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:281.1cd/klm
Max.At90:183.9cd/klm
Max.80-90:281.1cd/klm
NRB 5101:Semi limited[22.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7694
90%	6925
80%	6155
70%	5386
60%	4616
50%	3847
40%	3078
30%	2308
20%	1539
10%	769
5%	385

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-8-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-8-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

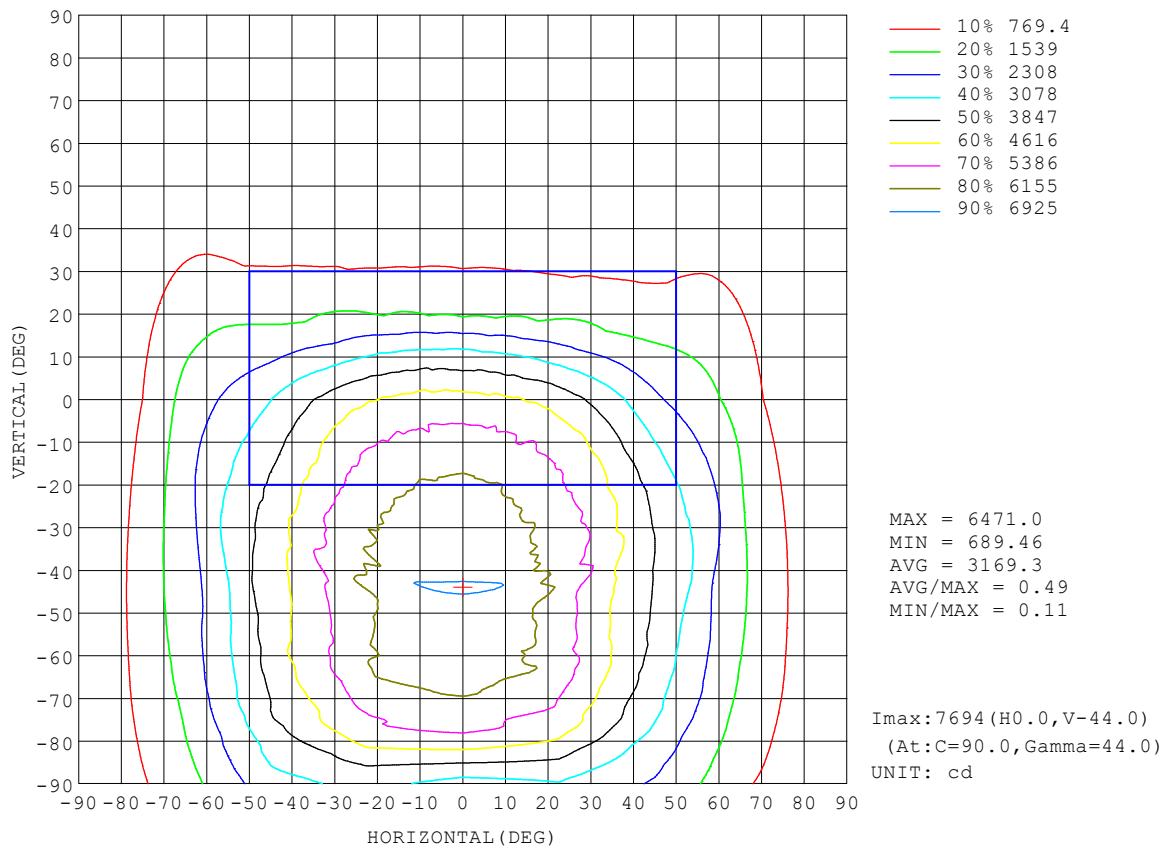
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	4713	5460	5820	5464	4835	3799	3373	3742	0- 10	453.6	453.6	2.5,2.5
20	4396	5688	6471	5694	4606	2484	1446	2266	10- 20	1234	1687	9.31,9.31
30	3733	5608	6684	5952	4169	1254	799.0	1146	20- 30	1793	3481	19.2,19.2
40	2879	5568	6814	5921	3472	755.4	313.2	669.0	30- 40	2159	5640	31.1,31.1
50	2141	4992	6599	5375	2737	385.0	187.8	326.9	40- 50	2357	7997	44.1,44.1
60	1564	4298	6275	4798	2126	182.9	92.26	153.5	50- 60	2394	10391	57.4,57.4
70	795.6	3889	6071	4441	1259	74.51	22.50	56.99	60- 70	2297	12688	70,70
80	272.5	3128	5091	3733	425.3	49.39	30.31	42.92	70- 80	1963	14651	80.9,80.9
90	68.91	2216	2790	2782	92.25	40.88	37.61	35.91	80- 90	1427	16079	88.8,88.8
100	73.45	1285	1974	1646	77.71	41.07	43.83	36.19	90-100	918.7	16998	93.8,93.8
110	74.36	687.1	1094	803.8	74.82	42.22	48.34	38.28	100-110	529.8	17527	96.8,96.8
120	57.46	417.4	583.7	498.8	55.63	46.45	50.98	43.27	110-120	276.3	17804	98.3,98.3
130	29.03	225.9	336.1	246.8	31.40	54.28	52.98	56.08	120-130	152.1	17956	99.1,99.1
140	33.56	120.2	167.3	125.7	35.40	57.05	53.34	57.98	130-140	77.71	18034	99.6,99.6
150	38.55	65.40	92.46	66.83	39.42	56.77	51.07	43.85	140-150	42.20	18076	99.8,99.8
160	41.79	40.15	55.99	36.41	43.00	52.13	46.47	41.11	150-160	23.32	18099	99.9,99.9
170	42.44	32.53	27.06	27.83	43.28	45.13	42.38	37.19	160-170	11.28	18110	100,100
180	42.64	39.02	35.56	34.86	42.69	39.09	35.59	34.84	170-180	3.526	18114	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-8-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

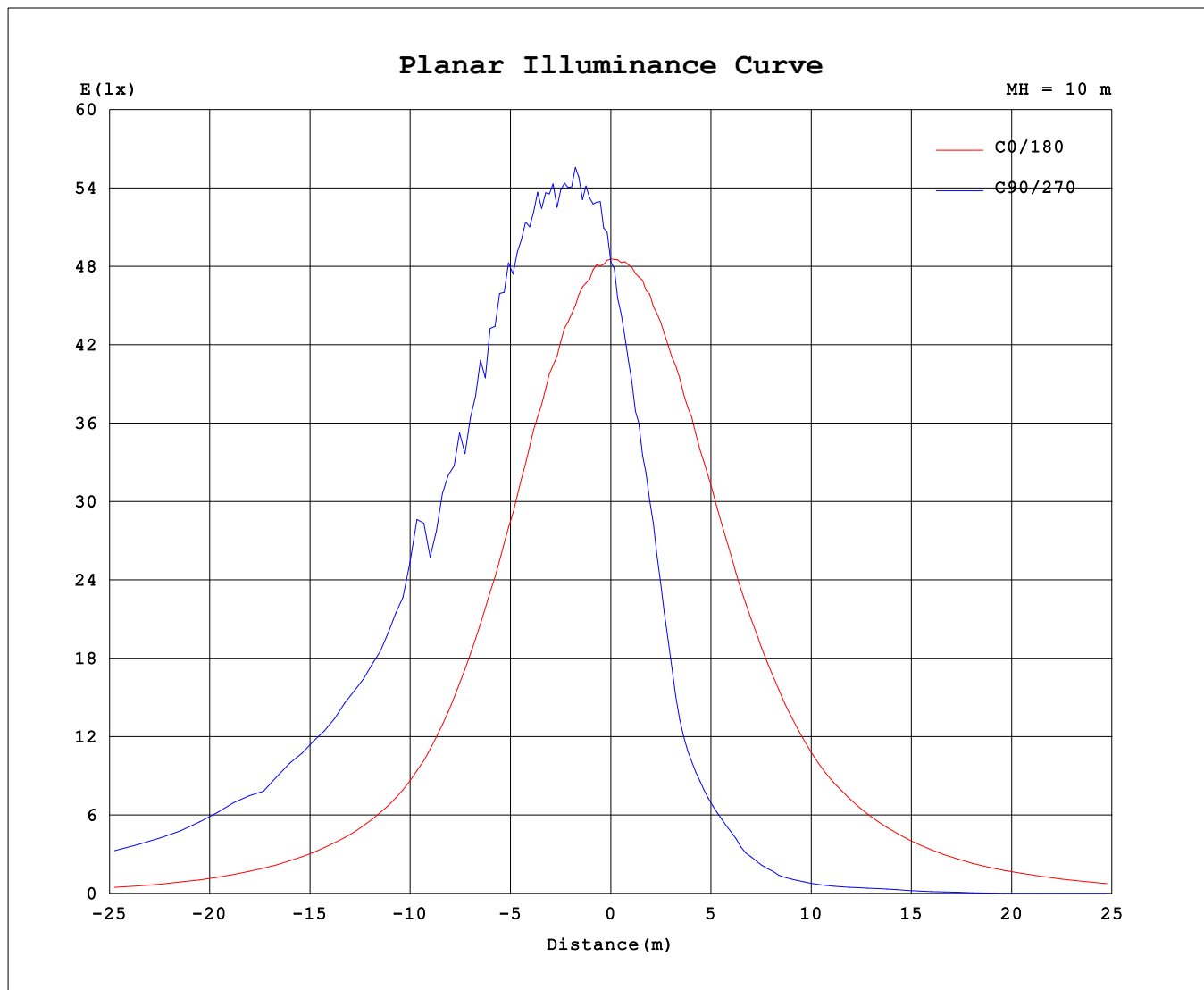
Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-8-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

Planar Illuminance Curve



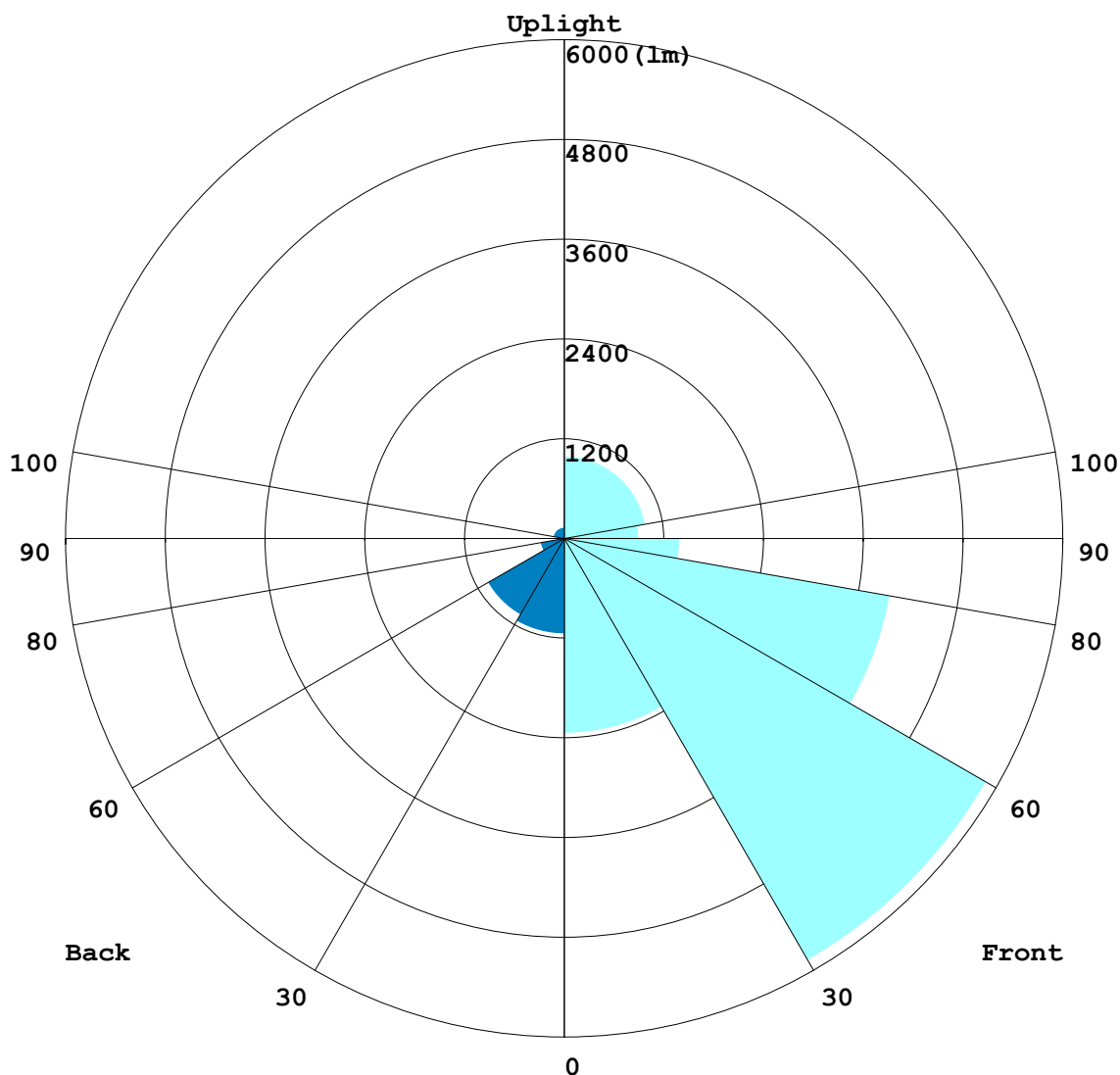
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-8-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

LCS REPORT

Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-8-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

BUG REPORT

Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2338.3	12.9
FM - Front-Medium(30-60)	5855.2	32.3
FH - Front-High(60-80)	3974.2	21.9
FVH - Front-Very High(80-90)	1384.6	7.6
Total Forward Light	15429	85.2

BL - Back-Low(0-30)	1142.4	6.3
BM - Back-Medium(30-60)	1055.3	5.8
BH - Back-High(60-80)	286.1	1.6
BVH - Back-Very High(80-90)	42.855	0.2
Total Back Light	2685.4	14.8

UL - Uplight-Low(90-100)	918.65	5.1
UH - Uplight-High(100-180)	1116.3	6.2
Total Up Light	2035	11.2

BUG(Back,Up,Glare) Rating	B3-U4-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2526.6	158.82	2685.4
Street Side	13552	1876.2	15429

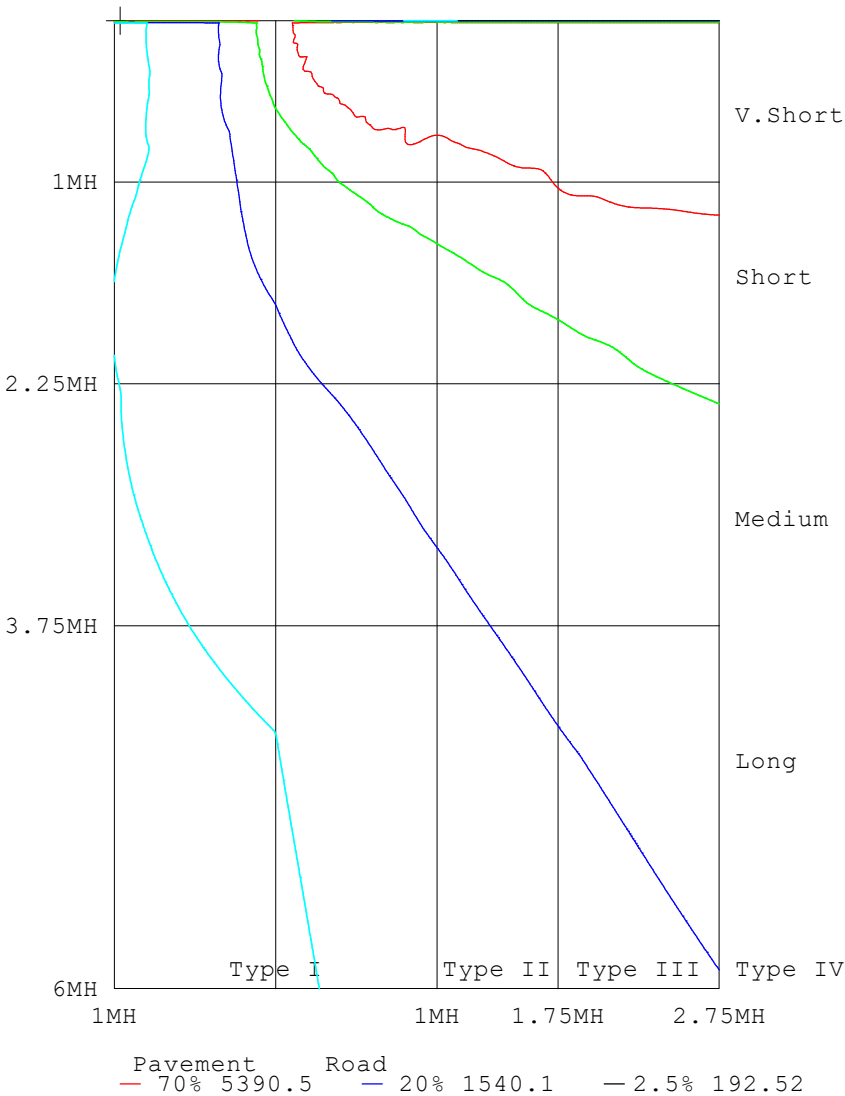
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-8-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-8-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.9597A P:115.02W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18113.9x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	4858	4857	4858	4836	4835	4807	4809	4800	4858	4857	4858	4836	4835	4807	4809	4800			
5	4829	5136	5304	5312	5340	5313	5294	5090	4869	4640	4476	4141	4135	4098	4302	4504			
10	4713	5218	5460	5686	5820	5667	5464	5262	4835	4406	3799	3427	3373	3368	3742	4144			
15	4566	5145	5656	5887	5828	5939	5654	5258	4758	3982	3220	2621	2387	2513	3046	3701			
20	4396	5236	5688	6017	6471	6076	5694	5272	4606	3518	2484	1683	1446	1598	2266	3256			
25	4094	5081	5730	6203	6598	6391	5848	5304	4437	3048	1749	1187	1065	1144	1554	2698			
30	3733	4946	5608	6305	6684	6426	5952	5151	4169	2489	1254	907	799	874	1146	2162			
35	3340	4663	5612	6343	6630	6531	5934	4899	3835	1998	971	639	515	583	882	1692			
40	2879	4305	5568	6364	6814	6451	5921	4588	3472	1583	755	414	313	387	669	1280			
45	2448	4018	5243	6607	7191	6646	5571	4317	3060	1208	532	257	226	247	467	1000			
50	2141	3705	4992	6170	6599	6310	5375	4083	2737	985	385	191	188	185	327	838			
55	1869	3438	4618	6130	6610	6316	5085	3791	2449	834	270	144	165	140	226	738			
60	1564	3150	4298	6102	6275	6345	4798	3457	2126	704	183	84.4	92.3	79.4	154	623			
65	1191	2691	4095	6087	6387	6236	4654	2827	1772	537	123	21.8	19.6	19.3	96.6	479			
70	796	2092	3889	5606	6071	5843	4441	2362	1259	376	74.5	20.4	22.5	21.1	57.0	336			
75	493	1766	3503	5181	5580	5405	4090	2073	772	241	57.1	23.8	26.4	24.4	49.1	217			
80	273	1441	3128	4672	5091	4943	3733	1720	425	152	49.4	27.2	30.3	27.7	42.9	143			
85	130	1106	2655	3799	3889	4063	3273	1374	206	111	45.0	30.6	34.1	31.0	38.8	108			
90	68.9	786	2216	3051	2790	3330	2782	1027	92.3	92.1	40.9	33.9	37.6	34.2	35.9	91.5			
95	64.3	514	1715	2624	2392	2916	2161	688	66.6	77.7	41.0	37.1	41.0	37.2	35.9	79.4			
100	73.4	372	1285	1986	1974	2246	1646	459	77.7	69.7	41.1	40.4	43.8	40.6	36.2	72.4			
105	76.0	289	881	1395	1625	1633	1083	349	79.9	64.2	41.5	43.9	46.2	44.0	37.1	62.6			
110	74.4	237	687	1005	1094	1138	804	277	74.8	58.8	42.2	47.6	48.3	48.0	38.3	55.6			
115	70.2	196	548	726	749	807	647	220	66.6	54.2	44.1	48.3	49.9	47.2	40.6	51.3			
120	57.5	151	417	551	584	616	499	171	55.6	49.8	46.4	51.3	51.0	49.7	43.3	45.2			
125	35.3	113	320	410	453	462	367	130	39.4	42.9	50.9	56.7	52.0	53.7	48.9	42.1			
130	29.0	82.6	226	292	336	321	247	97.3	31.4	41.5	54.3	65.4	53.0	62.7	56.1	41.7			
135	31.2	61.8	162	203	230	217	168	72.4	33.4	43.1	55.9	67.2	53.5	64.3	57.9	43.6			
140	33.6	48.8	120	149	167	155	126	53.2	35.4	44.9	57.0	65.6	53.3	55.2	58.0	45.6			
145	36.0	41.6	87.4	112	129	115	93.8	41.7	37.3	46.5	57.4	62.7	52.4	49.8	50.1	47.0			
150	38.6	37.0	65.4	84.0	92.5	85.9	66.8	33.9	39.4	47.9	56.8	59.4	51.1	48.5	43.9	47.1			
155	40.5	33.9	52.2	68.4	75.8	69.0	50.9	27.9	41.5	48.7	55.0	55.9	49.1	46.6	42.6	42.4			
160	41.8	34.2	40.2	51.6	56.0	50.0	36.4	27.5	43.0	48.4	52.1	52.1	46.5	44.1	41.1	38.5			
165	42.4	35.1	31.1	36.9	38.2	34.4	26.6	28.4	43.6	46.8	48.6	48.1	43.5	41.3	39.1	37.8			
170	42.4	36.9	32.5	29.2	27.1	26.6	27.8	30.8	43.3	44.6	45.1	44.3	42.4	38.7	37.2	37.0			
175	42.4	38.7	35.6	32.9	31.0	30.3	31.2	34.1	42.8	42.5	41.8	40.7	39.5	37.9	35.9	36.1			
180	42.6	40.8	39.0	37.2	35.6	34.5	34.9	35.8	42.7	40.8	39.1	37.2	35.6	34.5	34.8	35.9			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-8-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks: