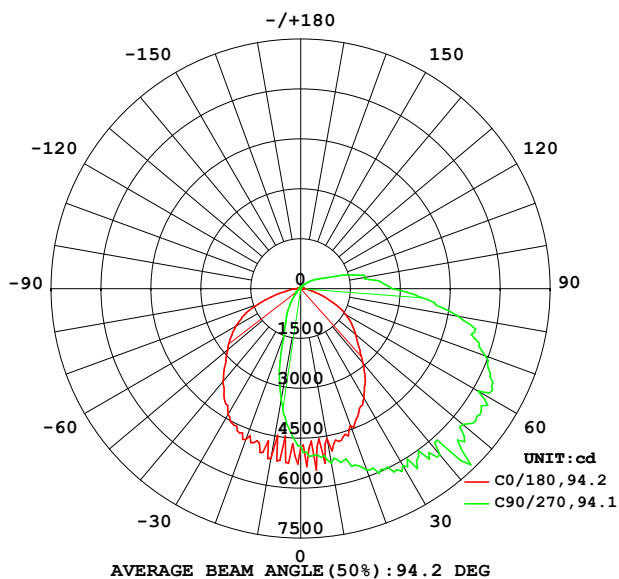
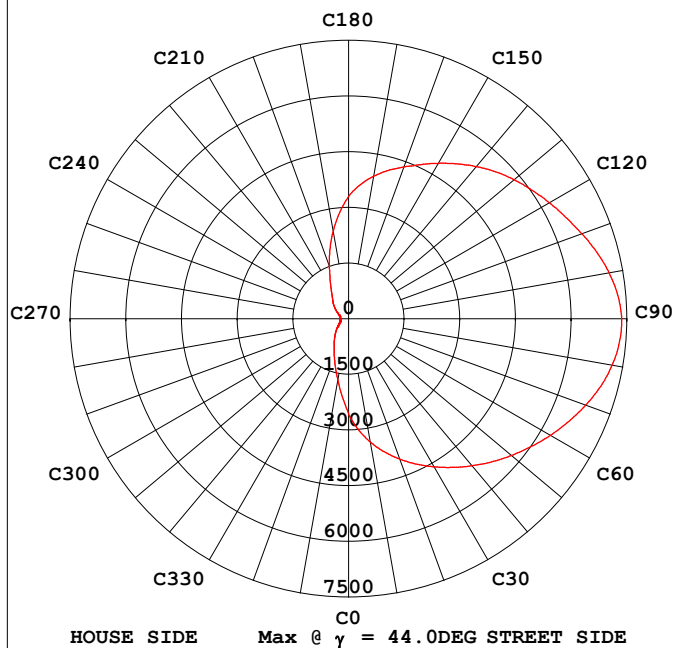


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-S4W3C SP	TYPE: 120W	WEIGHT:
EC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.87 lm/W			
MODEL	J-WP09-120W-S4W3C	Imax(cd)	7360	η street_up(%)	10.4
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	74.4
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	18171	η house_up(%)	0.9
NOMINAL FLUX(lm)	18170.6	MAXIMUM @ (C, γ)	90,44.0	η house_down(%)	14.3
LAMPS INSIDE	1	η up(%)	11.3	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	η down(%)	88.7	SLI	

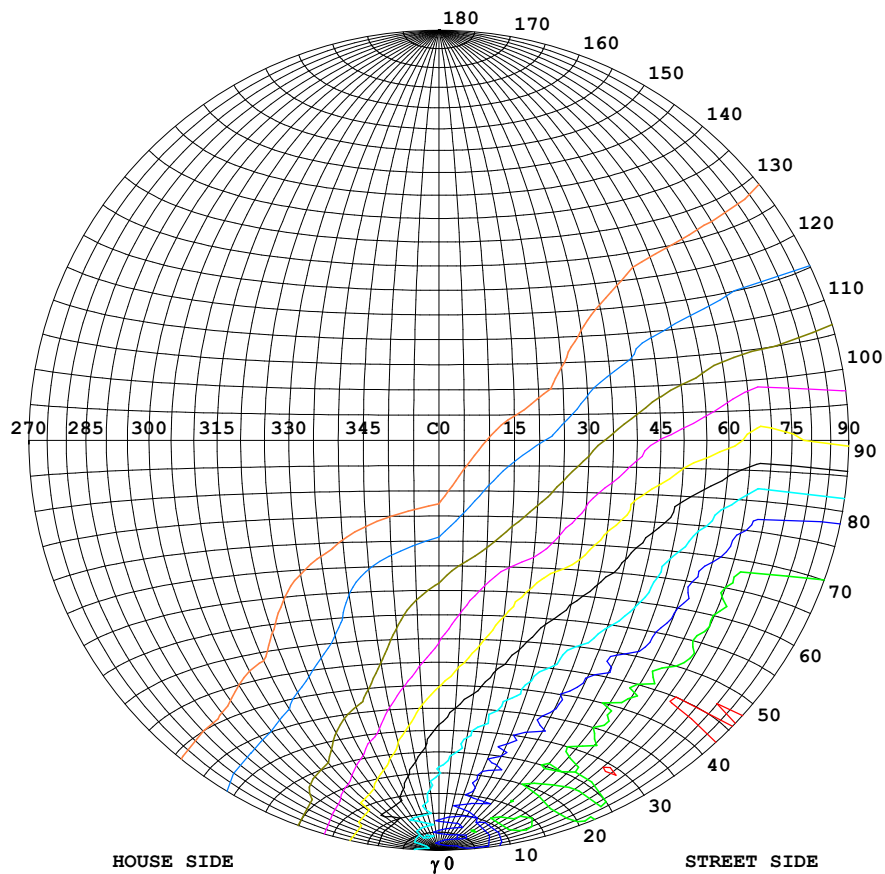
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:



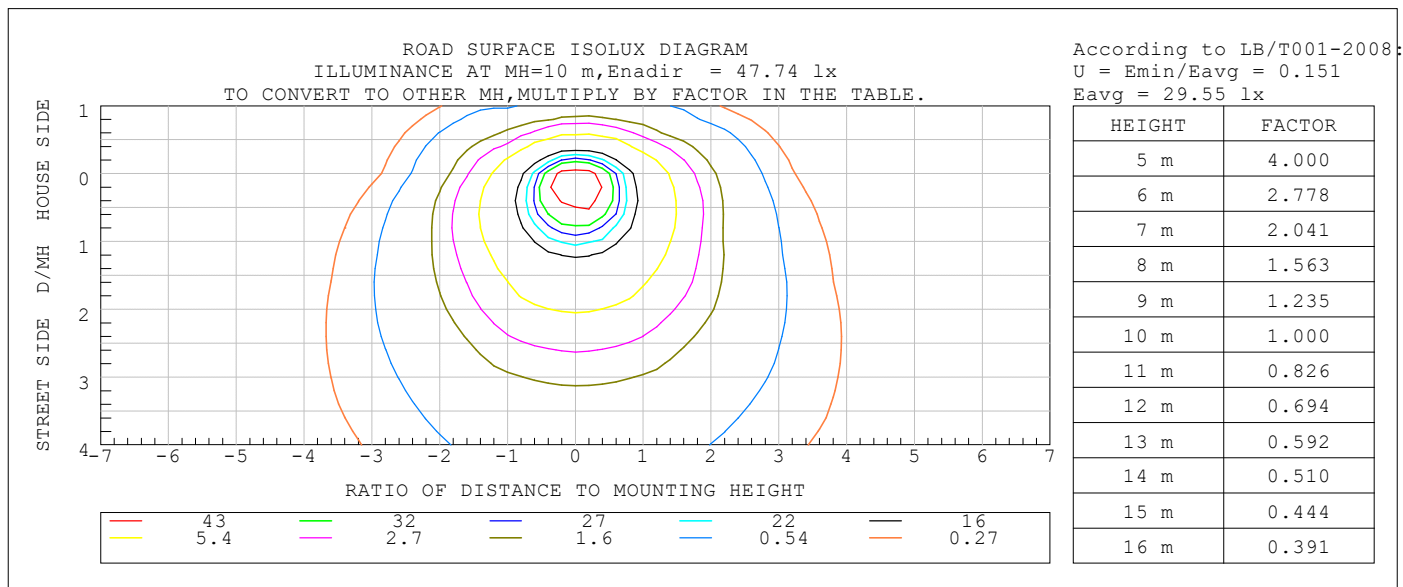
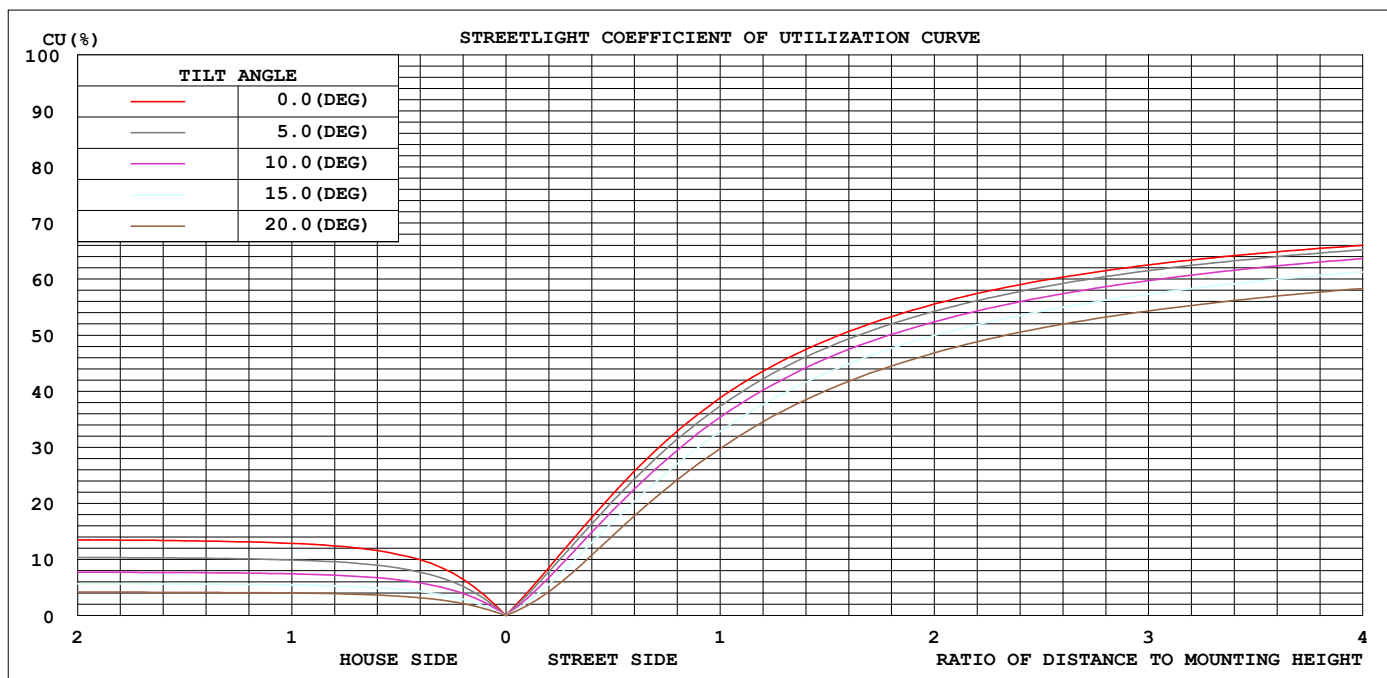
Classification:

IES:Type IV - Very Short
CIE:Average - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:275.2cd/klm
Max.At90:181.9cd/klm
Max.80-90:275.2cd/klm
NRB 5101:Semi limited[23.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7360
90%	6624
80%	5888
70%	5152
60%	4416
50%	3680
40%	2944
30%	2208
20%	1472
10%	736
5%	368

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:

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:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-S4W3C		TYPE: 120W		WEIGHT:				
SPEC.: 5000K		DIM.:		SERIAL No.: 1				
MFR.:		SUR.: 0.19*0.3		Shielding Angle:				

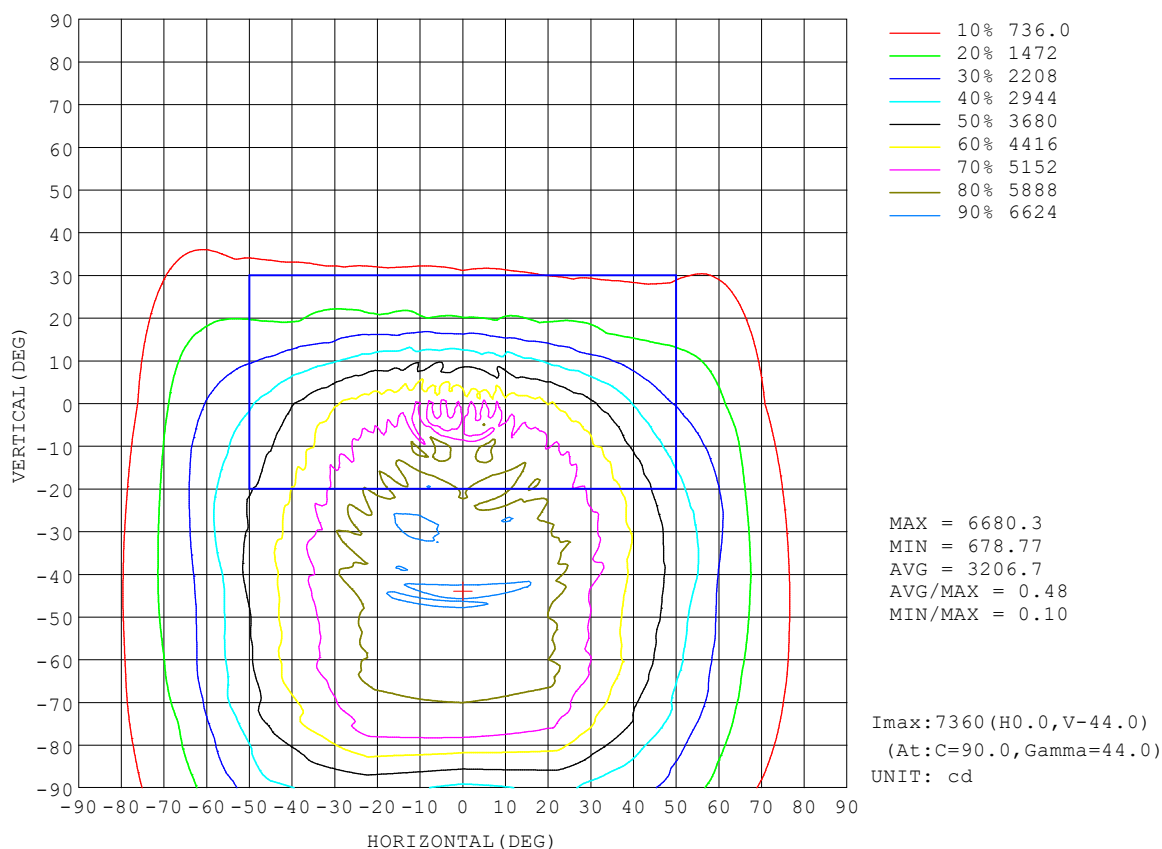
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4575	5284	5323	5677	5182	4110	3401	3428	0- 10	453.4	453.4	2.5,2.5
20	4384	5985	5807	6105	4823	2524	1478	2290	10- 20	1237	1691	9.3,9.3
30	3791	5837	6145	6233	4367	1298	790.9	1143	20- 30	1791	3482	19.2,19.2
40	2907	5811	6515	5999	3650	793.8	320.5	662.2	30- 40	2167	5649	31.1,31.1
50	2171	5054	6353	5343	2865	403.9	189.8	323.2	40- 50	2364	8013	44.1,44.1
60	1572	4348	6156	4820	2244	191.5	94.13	152.5	50- 60	2404	10416	57.3,57.3
70	787.1	3932	5900	4497	1357	77.57	22.82	57.52	60- 70	2300	12716	70,70
80	265.9	3178	4805	3787	457.7	50.96	30.62	42.99	70- 80	1964	14680	80.8,80.8
90	68.50	2230	2753	2828	99.77	41.74	37.93	36.15	80- 90	1438	16118	88.7,88.7
100	72.87	1302	1952	1711	82.70	41.70	44.13	36.52	90-100	928.1	17046	93.8,93.8
110	74.62	686.4	1090	819.2	78.56	42.86	48.61	38.53	100-110	536.0	17582	96.8,96.8
120	58.00	411.0	576.0	509.9	57.67	47.04	51.21	43.44	110-120	277.1	17859	98.3,98.3
130	29.94	224.5	334.0	250.7	32.08	55.15	53.04	55.66	120-130	152.7	18012	99.1,99.1
140	34.50	120.3	167.3	126.9	36.20	57.90	53.35	57.70	130-140	77.87	18090	99.6,99.6
150	39.49	65.89	92.72	66.60	40.47	57.91	51.44	44.15	140-150	42.44	18132	99.8,99.8
160	42.80	40.50	55.80	36.18	44.16	52.89	46.73	41.23	150-160	23.50	18156	99.9,99.9
170	43.44	33.16	27.31	27.93	44.43	45.83	42.72	37.35	160-170	11.38	18167	100,100
180	43.58	39.65	35.85	35.01	43.88	39.80	35.95	35.01	170-180	3.570	18171	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

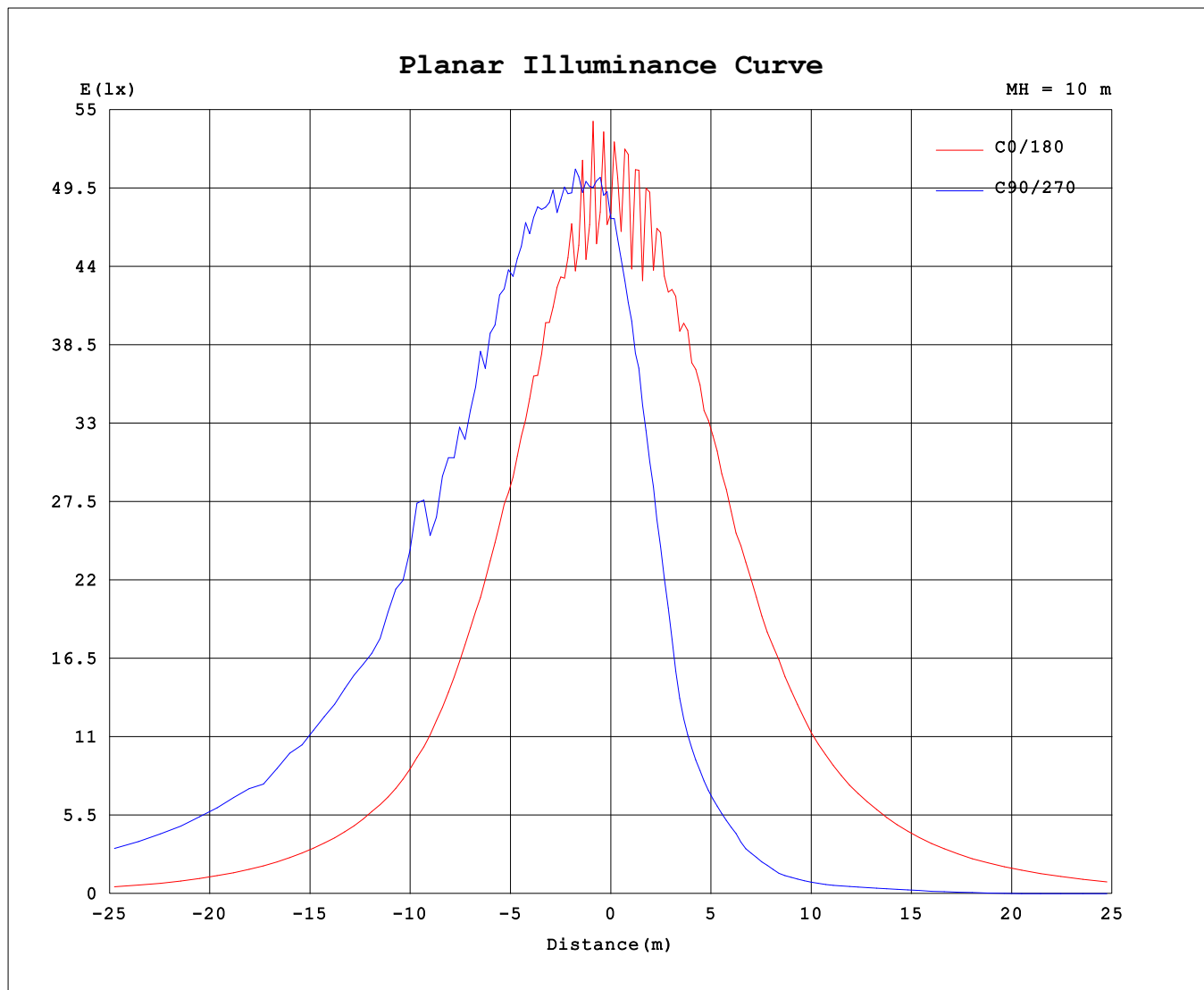
Test:U:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:



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



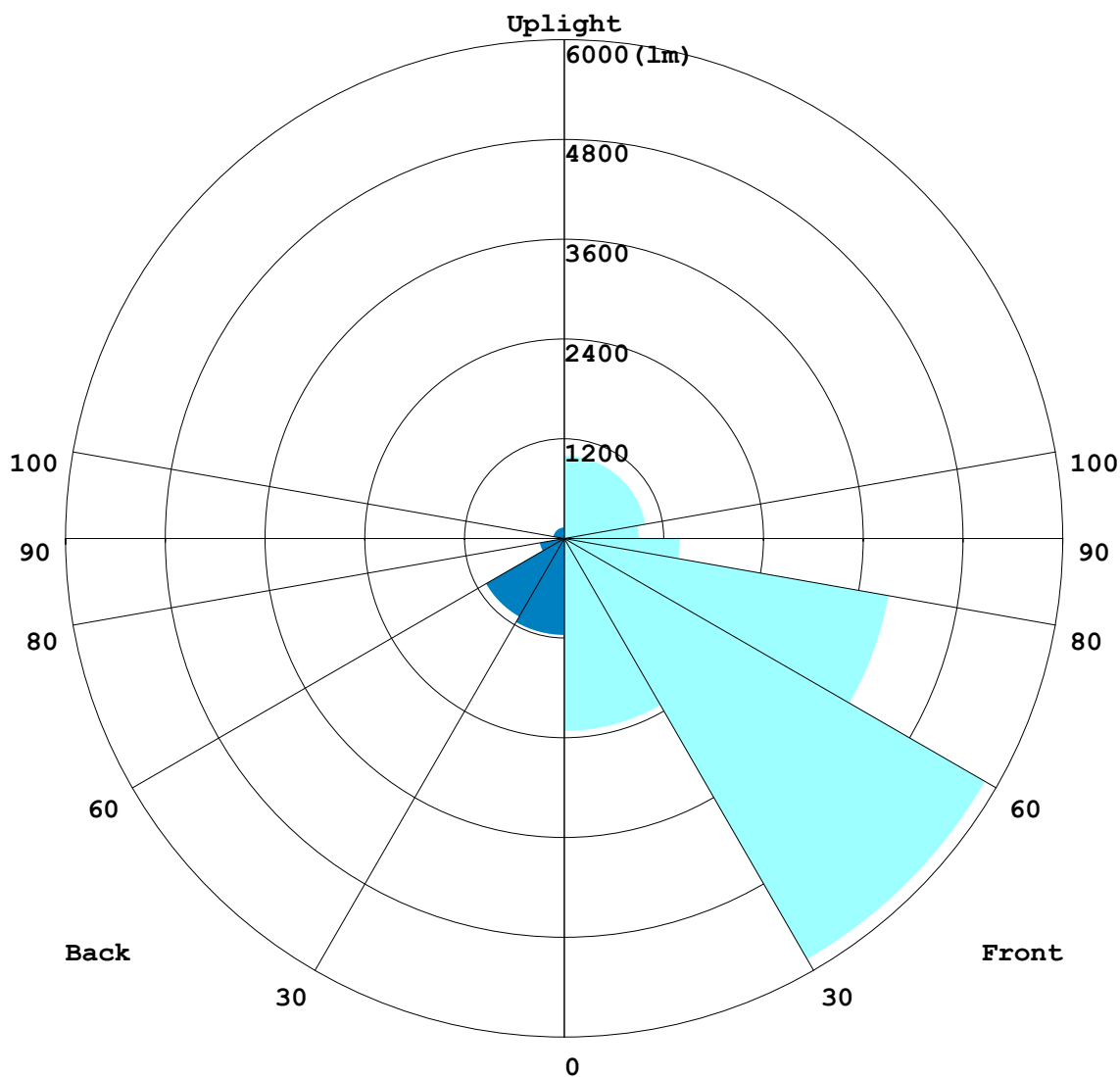
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-8-16

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:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 5000K	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:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 5000K	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)	2318.4	12.8
FM - Front-Medium(30-60)	5846.3	32.2
FH - Front-High(60-80)	3963.8	21.8
FVH - Front-Very High(80-90)	1393.4	7.7
Total Forward Light	15414	84.8

BL - Back-Low(0-30)	1163.6	6.4
BM - Back-Medium(30-60)	1088	6.0
BH - Back-High(60-80)	299.87	1.7
BVH - Back-Very High(80-90)	44.491	0.2
Total Back Light	2757	15.2

UL - Uplight-Low(90-100)	928.11	5.1
UH - Uplight-High(100-180)	1124.5	6.2
Total Up Light	2052.6	11.3

BUG(Back,Up,Glare) Rating	B3-U4-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2596	161.04	2757
Street Side	13522	1891.6	15414

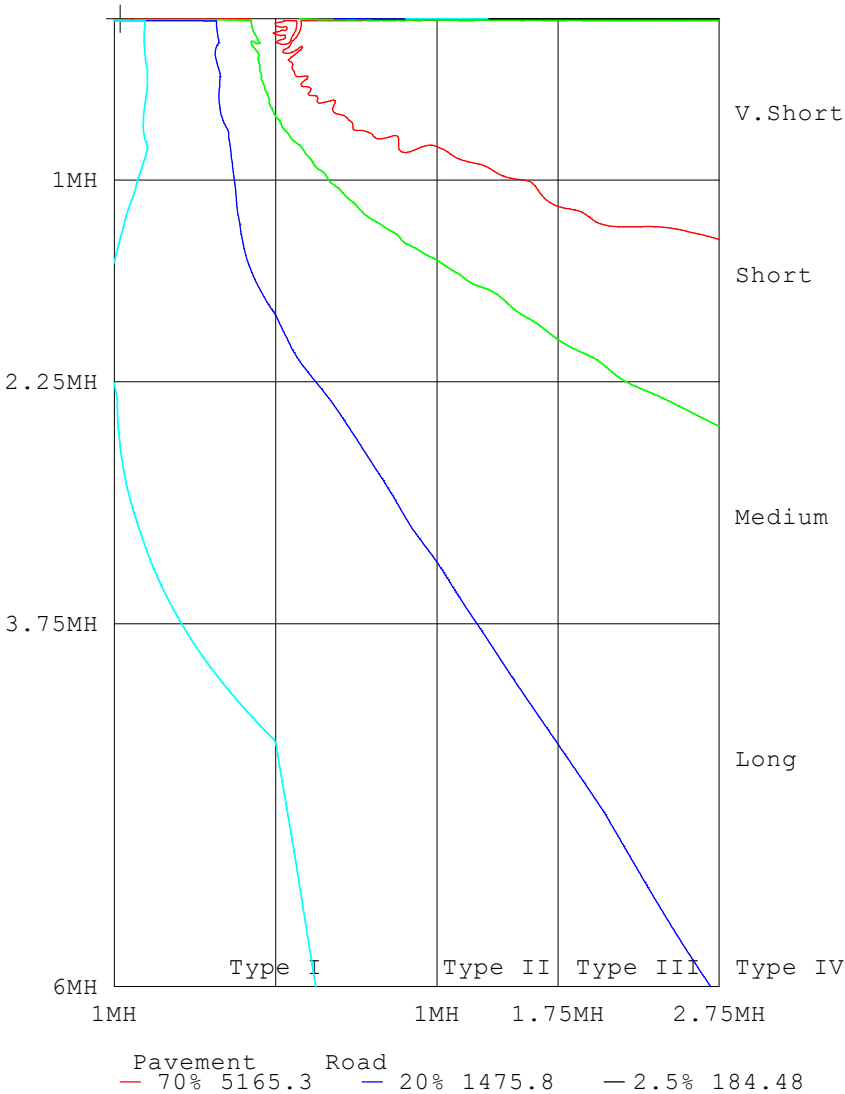
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-8-16

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:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 5000K	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:120.04V I:0.9986A P:119.64W PF:0.9981 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18170.6x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 5000K	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	4774	4788	4747	4751	4737	4711	4733	4673	4774	4788	4747	4751	4737	4711	4733	4673			
5	5481	5527	4776	5845	5013	5480	5245	5585	5246	5125	4461	4288	4194	4144	4199	4628			
10	4575	4981	5284	5392	5323	5758	5677	4659	5182	4243	4110	3564	3401	3263	3428	4037			
15	4721	5318	5833	5880	5301	5754	6074	5645	4809	4104	3439	2503	2456	2706	2991	3730			
20	4384	5313	5985	6358	5807	6350	6105	5169	4823	3630	2524	1770	1478	1548	2290	3246			
25	4125	5055	5983	5701	5985	5941	6153	5344	4553	3148	1803	1255	1064	1167	1558	2653			
30	3791	5026	5837	6539	6145	7019	6233	5175	4367	2594	1298	910	791	877	1143	2125			
35	3394	4664	5775	6269	6171	6257	6280	4965	4022	2089	1008	657	521	577	874	1677			
40	2907	4360	5811	6397	6515	6552	5999	4523	3650	1668	794	433	320	391	662	1258			
45	2479	4044	5342	6637	6826	6459	5621	4364	3196	1267	555	266	230	246	461	987			
50	2171	3744	5054	6167	6353	6368	5343	4053	2865	1030	404	198	190	184	323	822			
55	1883	3458	4623	6241	6587	6286	5145	3858	2573	874	284	149	167	140	224	728			
60	1572	3167	4348	6103	6156	6231	4820	3506	2244	740	191	88.2	94.1	79.9	152	616			
65	1194	2672	4123	6115	6291	6141	4659	2865	1871	566	129	23.9	19.9	19.5	96.8	474			
70	787	2113	3932	5576	5900	5795	4497	2382	1357	397	77.6	20.8	22.8	21.3	57.5	333			
75	484	1760	3503	5249	5314	5437	4092	2115	837	254	59.1	24.1	26.7	24.6	49.4	215			
80	266	1439	3178	4706	4805	5001	3787	1766	458	161	51.0	27.5	30.6	27.9	43.0	141			
85	128	1102	2652	3923	3838	4181	3340	1400	222	117	46.2	30.9	34.4	31.2	38.9	106			
90	68.5	781	2230	3112	2753	3305	2828	1063	99.8	96.7	41.7	34.3	37.9	34.4	36.1	89.8			
95	63.8	508	1715	2652	2404	2891	2192	710	70.7	81.5	41.8	37.5	41.3	37.5	36.2	78.1			
100	72.9	367	1302	2022	1952	2265	1711	470	82.7	73.0	41.7	40.8	44.1	40.8	36.5	71.5			
105	76.0	284	880	1417	1627	1652	1110	359	84.5	66.7	42.1	44.3	46.5	44.2	37.4	61.9			
110	74.6	232	686	1024	1090	1118	819	284	78.6	60.8	42.9	48.2	48.6	48.3	38.5	55.2			
115	70.2	192	537	737	743	801	660	227	70.0	55.6	44.7	48.7	50.1	47.4	40.8	51.0			
120	58.0	149	411	562	576	613	510	175	57.7	50.8	47.0	51.6	51.2	49.8	43.4	45.1			
125	36.2	112	315	417	450	457	374	134	40.4	43.7	51.7	57.2	52.2	53.8	48.8	42.0			
130	29.9	81.9	224	297	334	315	251	99.1	32.1	42.0	55.2	66.2	53.0	62.7	55.7	41.5			
135	32.1	61.6	161	204	228	215	170	73.3	34.2	43.7	56.7	67.9	53.5	64.2	57.6	43.4			
140	34.5	49.1	120	150	167	155	127	53.5	36.2	45.6	57.9	66.2	53.4	55.2	57.7	45.3			
145	36.9	42.1	87.6	112	128	115	93.8	41.7	38.2	47.4	58.5	63.2	52.6	50.0	50.3	47.0			
150	39.5	37.6	65.9	84.2	92.7	86.0	66.6	33.5	40.5	48.9	57.9	60.1	51.4	48.7	44.1	47.2			
155	41.5	34.8	52.6	68.5	75.7	69.0	50.5	27.7	42.6	49.6	55.8	56.5	49.4	46.8	42.8	42.7			
160	42.8	35.1	40.5	51.7	55.8	49.9	36.2	27.5	44.2	49.2	52.9	52.5	46.7	44.3	41.2	38.7			
165	43.5	36.0	31.4	37.1	38.2	34.3	26.5	28.4	44.7	47.5	49.4	48.4	43.8	41.4	39.2	37.9			
170	43.4	37.8	33.2	29.7	27.3	26.8	27.9	30.9	44.4	45.3	45.8	44.7	42.7	38.8	37.3	37.1			
175	43.4	39.6	36.2	33.4	31.3	30.5	31.4	34.2	43.9	43.1	42.5	41.1	39.9	38.1	36.0	36.2			
180	43.6	41.8	39.6	37.7	35.9	34.7	35.0	35.9	43.9	41.6	39.8	37.6	35.9	34.6	35.0	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: