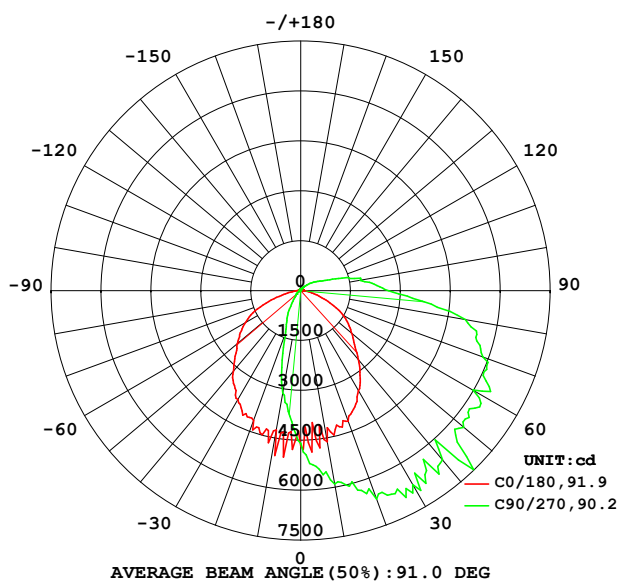
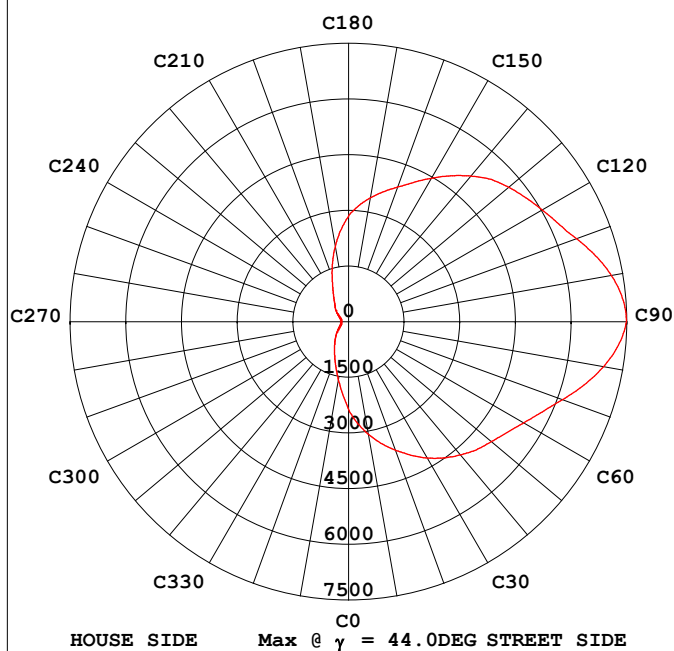


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.23 lm/W			
MODEL	J-WP09-120W-S4W3C	Imax(cd)	7484	η street_up(%)	10.3
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	75.2
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	16892	η house_up(%)	0.9
NOMINAL FLUX(lm)	16891.5	MAXIMUM @ (C, γ)	90,44.0	η house_down(%)	13.7
LAMPS INSIDE	1	η up(%)	11.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	η down(%)	88.9	SLI	

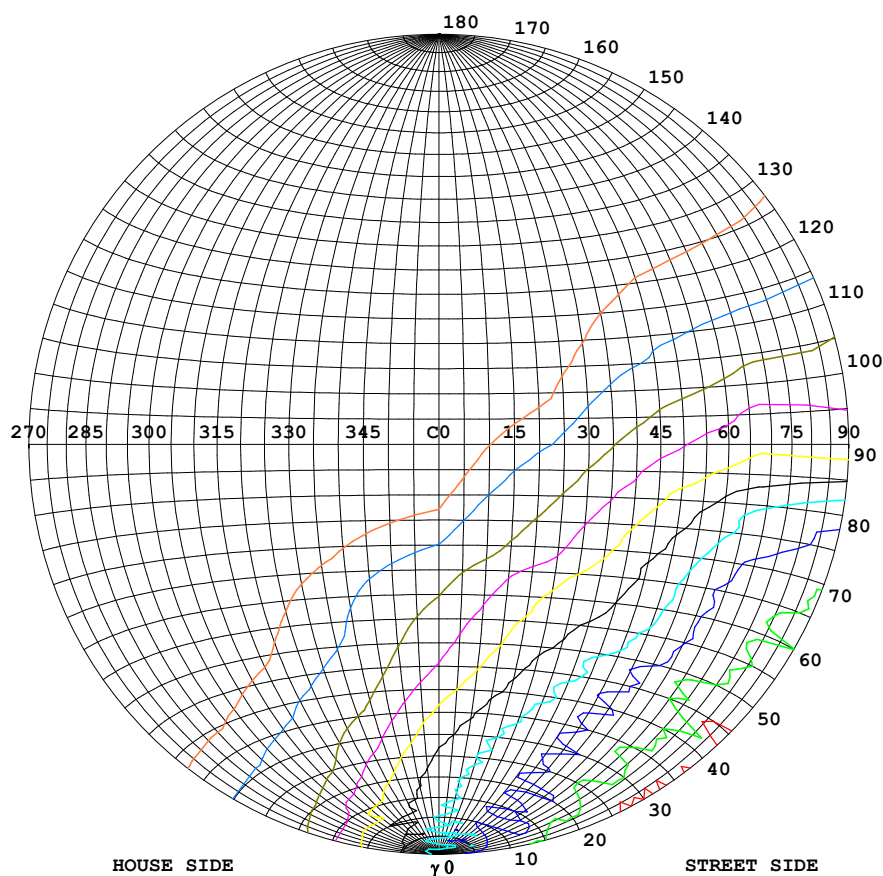
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
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:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:



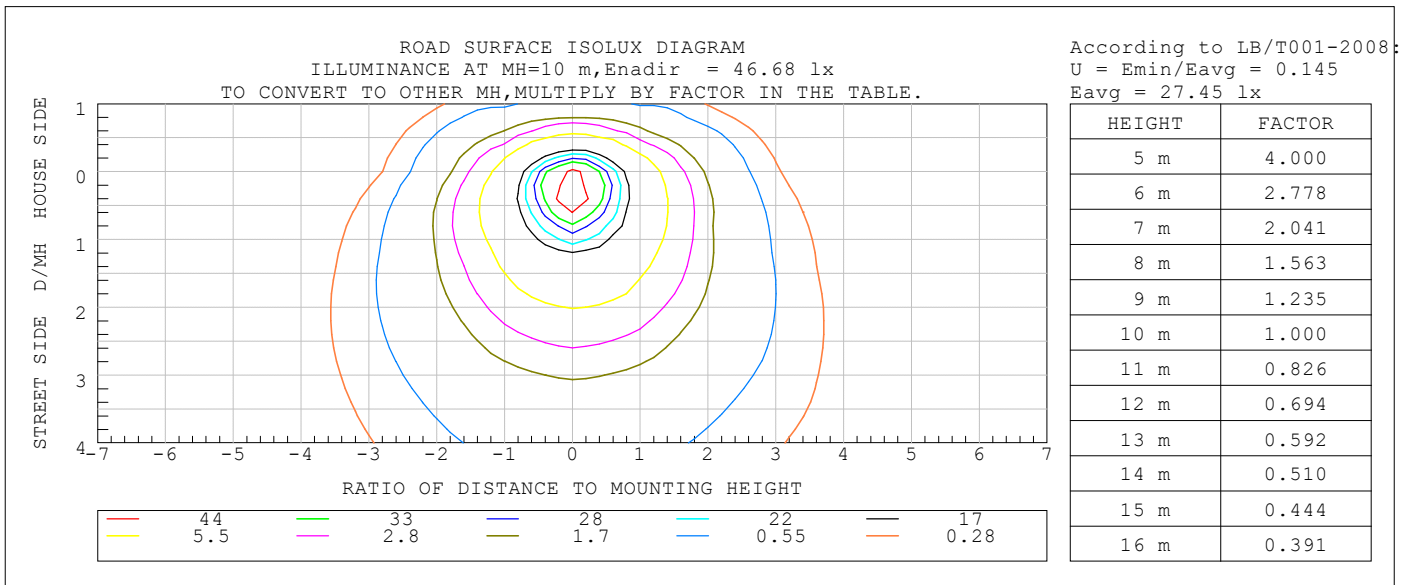
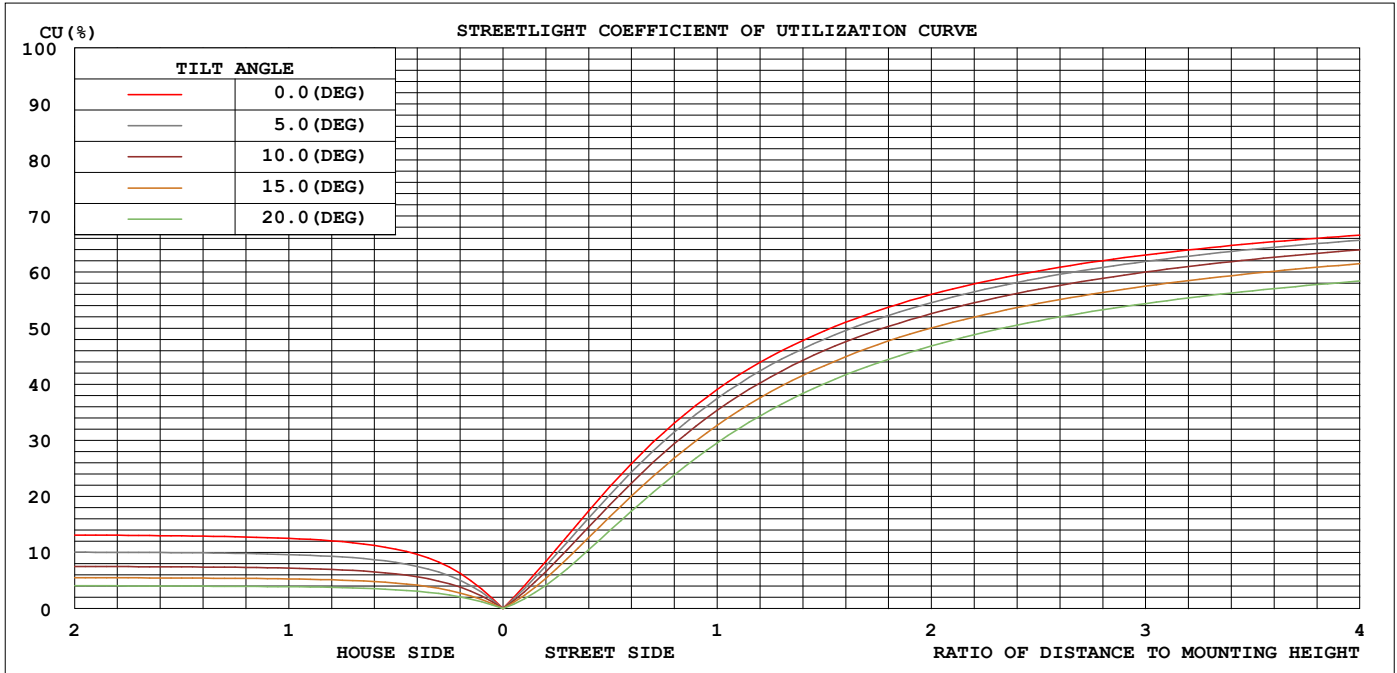
Classification:

IES:Type IV - Very Short
CIE:Average - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:297.3cd/klm
Max.At90:185.4cd/klm
Max.80-90:297.3cd/klm
NRB 5101:Semi limited[21.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7484
90%	6736
80%	5988
70%	5239
60%	4491
50%	3742
40%	2994
30%	2245
20%	1497
10%	748
5%	374

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:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-S4W3C		TYPE: 120W		WEIGHT:				
SPEC.: 3000K		DIM.:		SERIAL No.: 1				
MFR.:		SUR.: 0.19*0.3		Shielding Angle:				

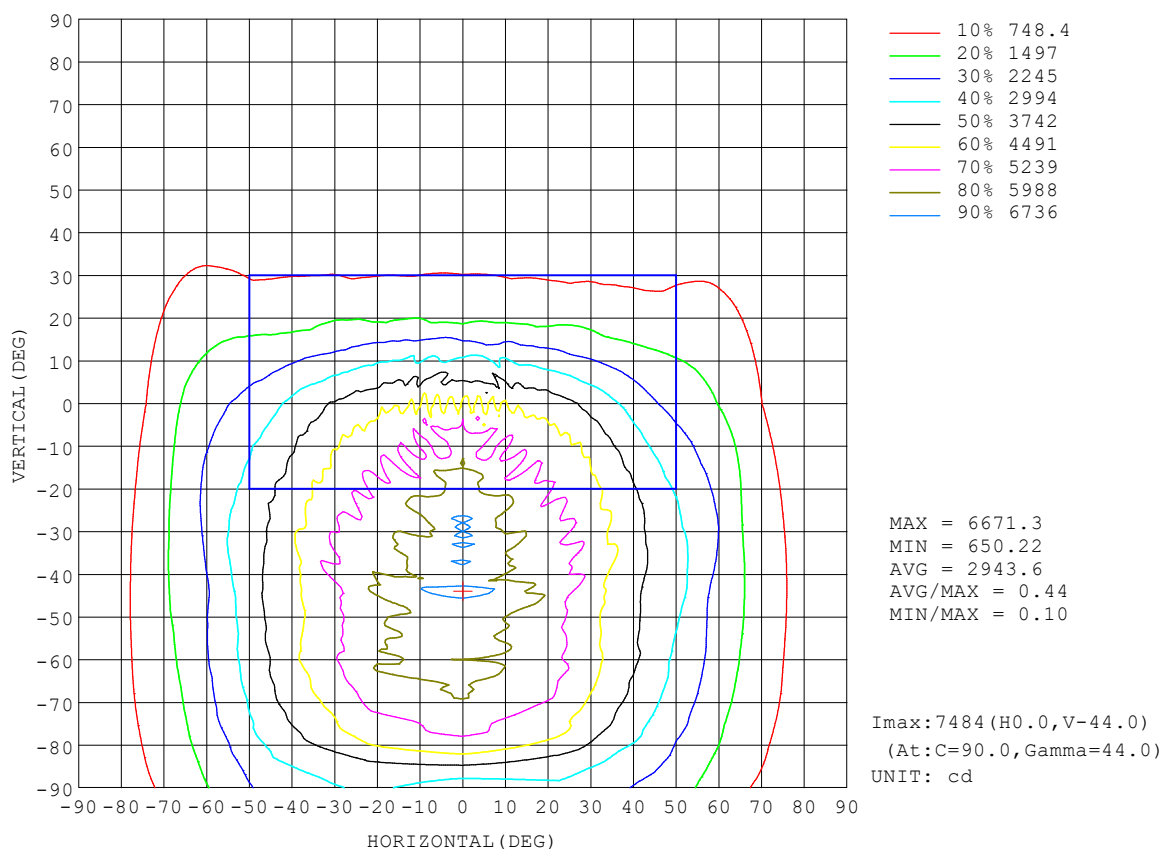
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4618	5327	5904	4860	4248	3278	3127	3779	0- 10	424.8	424.8	2.52,2.52
20	4182	5045	6671	4893	4160	2307	1326	2094	10- 20	1154	1579	9.35,9.35
30	3480	5055	6736	5253	3783	1144	755.5	1070	20- 30	1682	3261	19.3,19.3
40	2705	4989	6638	5428	3152	676.4	287.3	630.4	30- 40	2017	5278	31.2,31.2
50	1997	4630	6401	5025	2492	349.2	173.6	308.2	40- 50	2202	7480	44.3,44.3
60	1470	3973	5975	4439	1917	164.8	84.75	144.0	50- 60	2231	9711	57.5,57.5
70	756.5	3606	5828	4072	1112	67.98	20.80	52.57	60- 70	2146	11858	70.2,70.2
80	262.2	2870	5022	3413	371.4	45.20	28.11	39.93	70- 80	1833	13691	81,81
90	65.57	2051	2638	2540	81.39	37.74	34.98	33.29	80- 90	1321	15012	88.9,88.9
100	69.98	1181	1820	1466	68.96	38.09	40.88	33.50	90-100	847.7	15860	93.9,93.9
110	70.55	639.9	1020	730.8	67.55	39.23	45.20	35.54	100-110	487.3	16347	96.8,96.8
120	54.07	394.3	550.7	451.7	50.81	43.27	47.73	40.23	110-120	256.6	16604	98.3,98.3
130	27.05	211.2	313.1	225.2	29.27	50.25	49.37	52.30	120-130	141.1	16745	99.1,99.1
140	31.33	112.0	155.6	115.3	32.96	52.87	49.87	53.81	130-140	72.17	16817	99.6,99.6
150	36.04	60.71	85.83	62.08	36.68	52.73	47.95	40.54	140-150	39.22	16856	99.8,99.8
160	39.04	37.61	52.47	34.01	40.09	48.73	43.58	37.91	150-160	21.72	16878	99.9,99.9
170	39.67	30.50	25.62	25.87	40.38	42.30	39.84	34.46	160-170	10.53	16888	100,100
180	39.83	36.63	33.49	32.33	39.92	36.68	33.48	32.32	170-180	3.297	16892	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

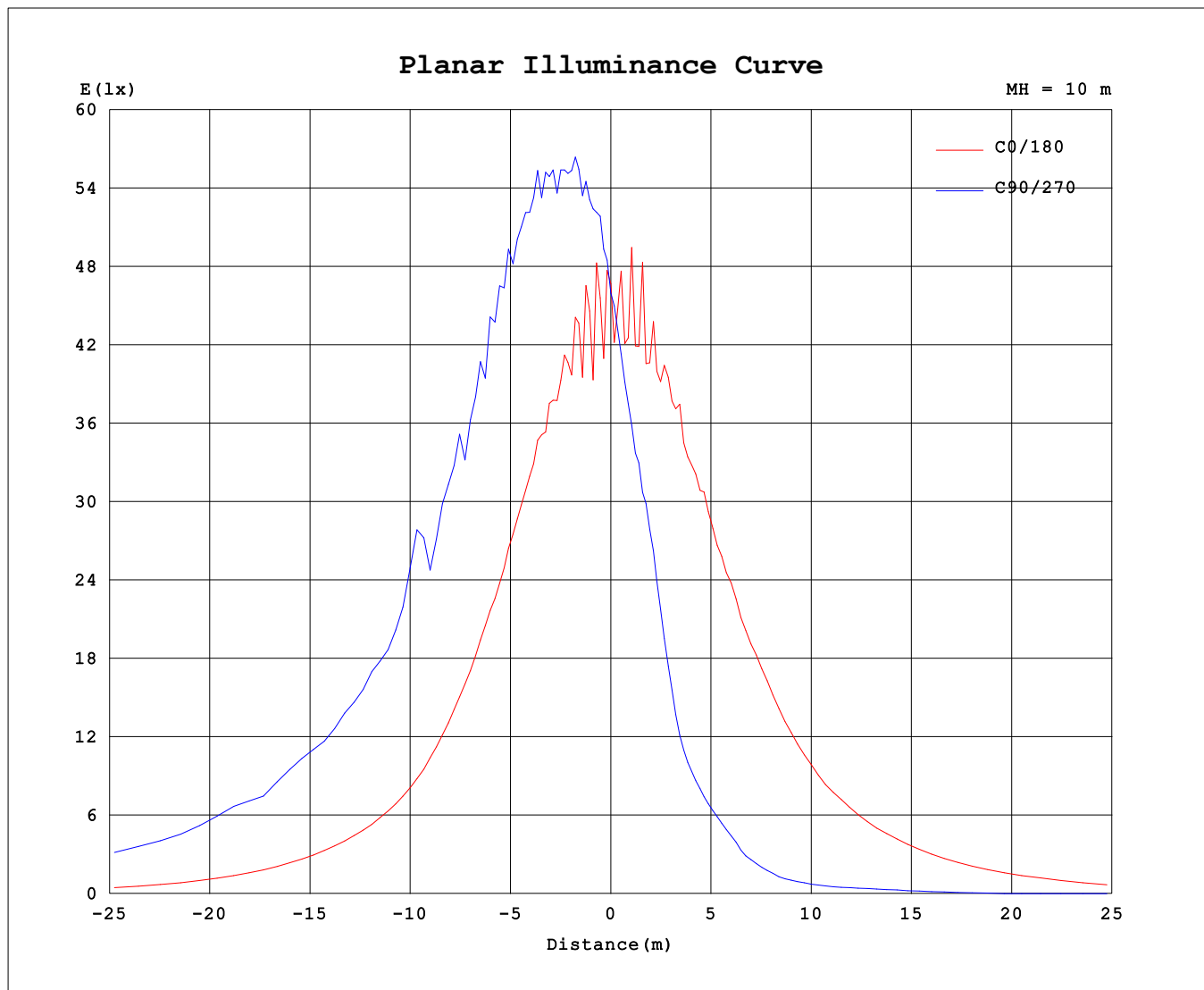
Test:U:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 3000K	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.19*0.3	Shielding Angle:



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



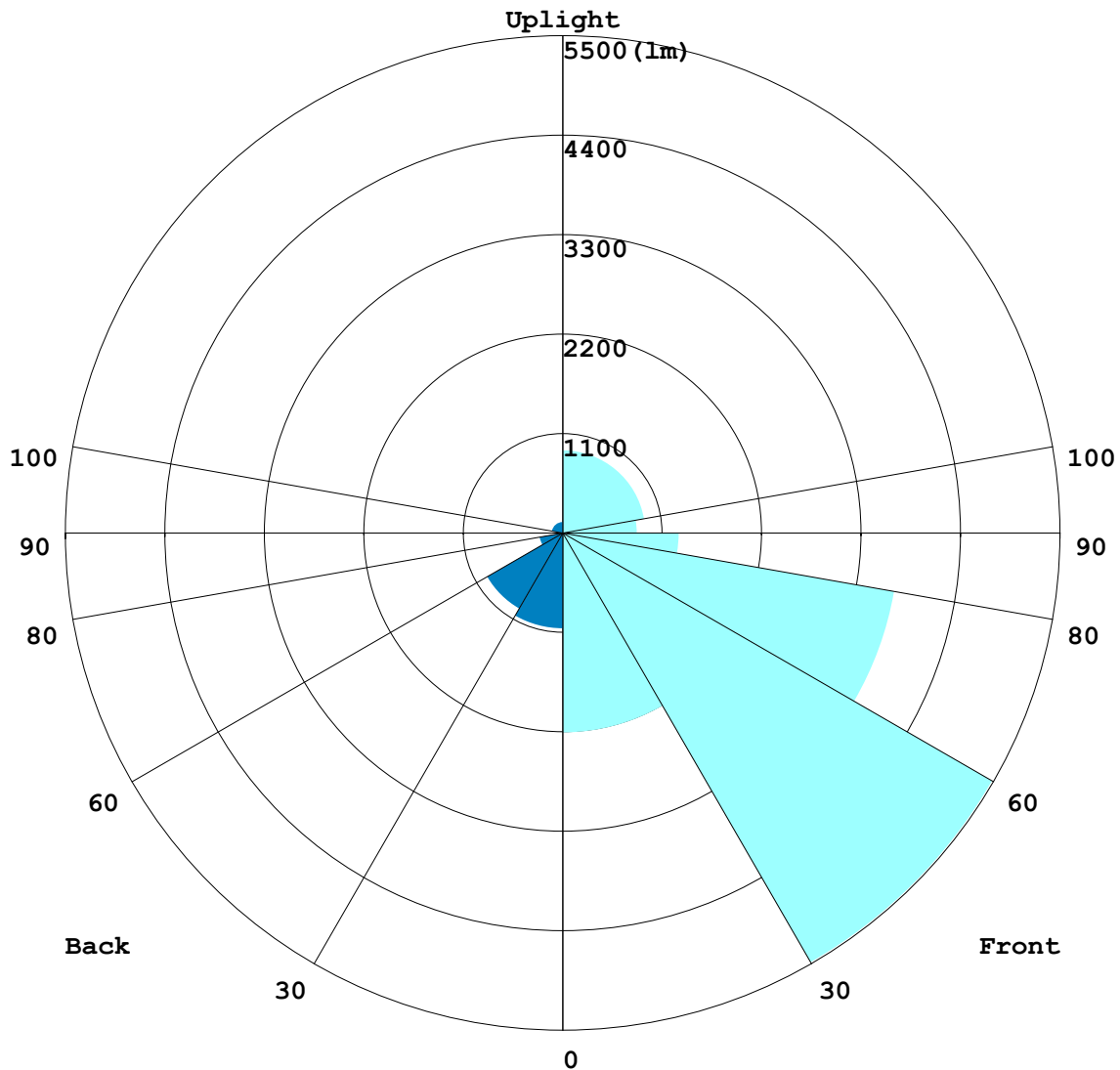
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-8-16

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:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 3000K	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:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 3000K	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)	2207.4	13.1
FM - Front-Medium(30-60)	5483.5	32.5
FH - Front-High(60-80)	3721	22.0
FVH - Front-Very High(80-90)	1282.6	7.6
Total Forward Light	14427	85.4

BL - Back-Low(0-30)	1053.7	6.2
BM - Back-Medium(30-60)	966.57	5.7
BH - Back-High(60-80)	258.38	1.5
BVH - Back-Very High(80-90)	38.822	0.2
Total Back Light	2464.5	14.6

UL - Uplight-Low(90-100)	847.67	5.0
UH - Uplight-High(100-180)	1031.9	6.1
Total Up Light	1879.6	11.1

BUG(Back,Up,Glare) Rating	B3-U4-G5
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2317.5	147	2464.5
Street Side	12694	1732.6	14427

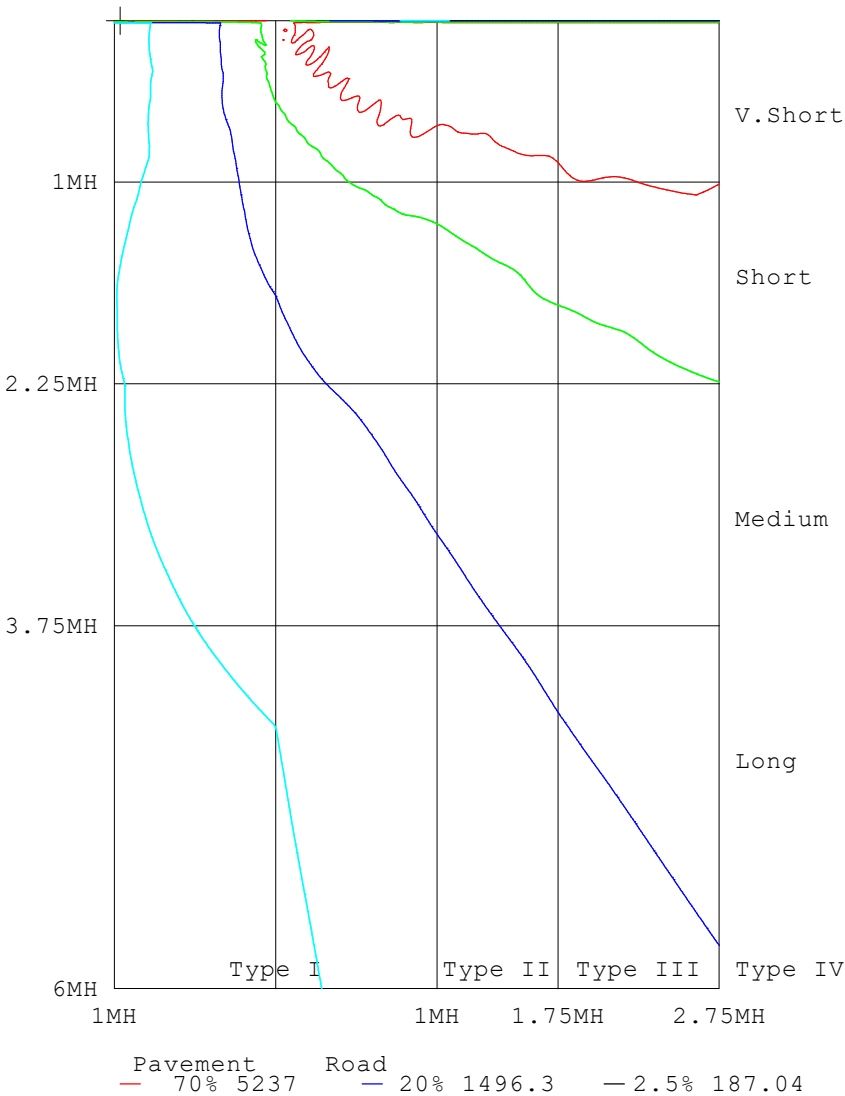
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-8-16

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:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-	TYPE: 120W	WEIGHT:
S4W3C SPEC.: 3000K	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:120.11V I:0.9839A P:117.94W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:16891.5x1 lm		
NAME: J-WP09-120W-S4W3C	TYPE: 120W	WEIGHT:
SPEC.: 3000K	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	4668	4633	4656	4601	4596	4567	4542	4571	4668	4633	4656	4601	4596	4567	4542	4571			
5	3979	4509	5501	4465	5302	4807	4969	4246	4303	3932	4003	3747	3792	3792	4286	4091			
10	4618	5145	5327	5605	5904	5181	4860	5465	4248	4304	3278	3071	3127	3238	3779	3946			
15	4189	4695	5143	5517	5949	5711	4840	4516	4486	3657	2831	2583	2169	2170	2893	3410			
20	4182	4862	5045	5310	6671	5403	4893	4990	4160	3218	2307	1518	1326	1544	2094	3034			
25	3854	4823	5145	6303	6730	6394	5147	4891	4131	2788	1604	1046	999	1044	1448	2554			
30	3480	4580	5055	5664	6736	5416	5253	4764	3783	2253	1144	849	756	812	1070	2046			
35	3109	4387	5115	6014	6603	6360	5188	4475	3477	1822	882	584	477	550	830	1590			
40	2705	4005	4989	5906	6638	5920	5428	4306	3152	1422	676	373	287	356	630	1212			
45	2294	3769	4818	6142	7046	6377	5129	3965	2795	1089	480	233	209	230	441	943			
50	1997	3451	4630	5788	6401	5809	5025	3814	2492	887	349	174	174	174	308	792			
55	1757	3221	4324	5652	6194	5931	4671	3449	2222	751	243	130	152	131	213	696			
60	1470	2959	3973	5704	5975	6011	4439	3165	1917	633	165	76.2	84.7	73.9	144	584			
65	1120	2561	3810	5664	6049	5917	4322	2582	1597	482	111	19.3	18.1	17.7	89.6	449			
70	756	1948	3606	5269	5828	5482	4072	2176	1112	336	68.0	18.9	20.8	19.5	52.6	314			
75	473	1671	3279	4775	5454	5002	3798	1884	677	215	52.2	22.0	24.5	22.6	45.6	205			
80	262	1359	2870	4347	5022	4558	3413	1553	371	137	45.2	25.2	28.1	25.7	39.9	135			
85	125	1043	2488	3442	3677	3667	2979	1253	181	99.7	41.3	28.4	31.7	28.7	36.1	102			
90	65.6	741	2051	2805	2638	3132	2540	920	81.4	82.7	37.7	31.5	35.0	31.7	33.3	86.6			
95	61.4	486	1599	2426	2228	2747	1973	617	59.6	69.7	38.0	34.5	38.1	34.6	33.2	74.9			
100	70.0	353	1181	1814	1820	2069	1466	416	69.0	62.7	38.1	37.6	40.9	37.7	33.5	68.2			
105	72.1	275	822	1284	1507	1495	977	314	71.6	58.1	38.5	40.8	43.2	41.0	34.4	58.9			
110	70.5	225	640	920	1020	1078	731	250	67.5	53.7	39.2	44.2	45.2	44.8	35.5	52.1			
115	66.7	186	522	667	702	757	587	198	60.2	49.7	41.1	45.1	46.6	44.0	37.7	47.8			
120	54.1	143	394	505	551	573	452	154	50.8	45.9	43.3	47.8	47.7	46.3	40.2	42.0			
125	33.0	107	302	374	424	434	334	118	36.3	39.7	47.2	52.7	48.7	50.1	45.7	39.1			
130	27.1	78.0	211	266	313	304	225	88.5	29.3	38.5	50.3	60.4	49.4	58.2	52.3	38.5			
135	29.1	58.1	152	188	215	203	154	66.2	31.1	40.0	51.8	62.2	49.9	59.6	53.9	40.3			
140	31.3	45.7	112	138	156	144	115	49.0	33.0	41.7	52.9	60.9	49.9	51.2	53.8	42.2			
145	33.7	38.8	81.3	104	120	107	86.8	38.6	34.7	43.3	53.2	58.5	49.1	46.2	46.3	43.5			
150	36.0	34.6	60.7	78.3	85.8	79.9	62.1	31.7	36.7	44.6	52.7	55.6	47.9	45.0	40.5	43.6			
155	37.9	31.6	48.7	63.8	70.6	64.2	47.4	26.1	38.6	45.3	51.3	52.3	46.0	43.2	39.4	39.1			
160	39.0	31.9	37.6	48.4	52.5	46.6	34.0	25.6	40.1	45.2	48.7	48.8	43.6	40.8	37.9	35.5			
165	39.6	32.8	29.3	34.7	36.2	32.2	24.9	26.5	40.6	43.7	45.5	45.1	40.9	38.3	36.2	34.8			
170	39.7	34.5	30.5	27.5	25.6	24.9	25.9	28.7	40.4	41.8	42.3	41.6	39.8	35.9	34.5	34.2			
175	39.6	36.3	33.4	30.9	29.3	28.4	29.0	31.6	40.0	39.8	39.3	38.3	37.1	35.2	33.3	33.4			
180	39.8	38.2	36.6	35.0	33.5	32.3	32.3	33.2	39.9	38.2	36.7	34.9	33.5	32.0	32.3	33.3			

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: