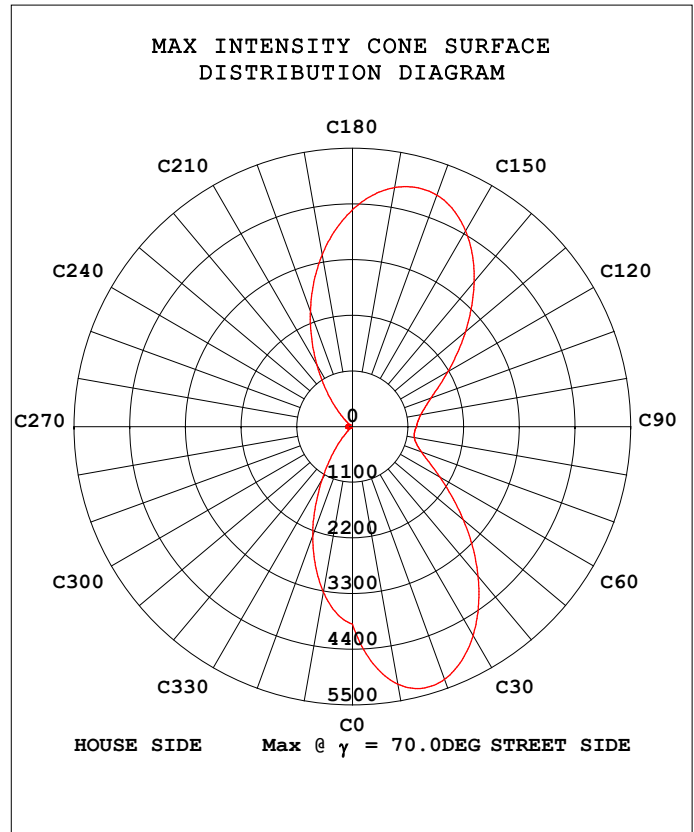
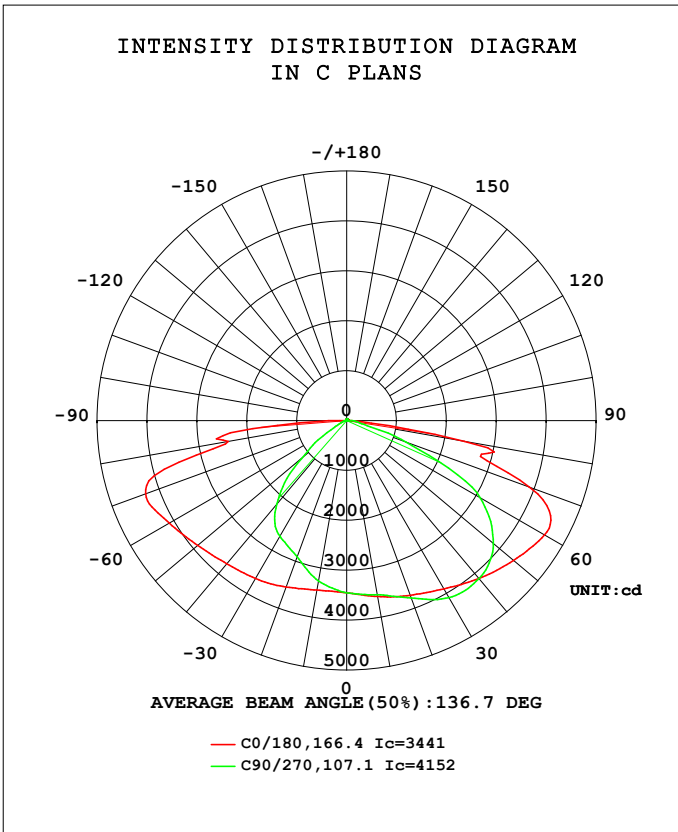


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.36 lm/W			
MODEL		I _{max} (cd)	5226	η street_up (%)	0.4
NOMINAL POWER (W)		LOR (%)	100.0	η street_down (%)	64.4
RATED VOLTAGE (V)		TOTAL FLUX (lm)	15383	η house_up (%)	0.5
NOMINAL FLUX (lm)	15383	MAXIMUM @ (C, γ)	23,70.0	η house_down (%)	34.7
LAMPS INSIDE	1	η up (%)	0.9	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)		η down (%)	99.1	SLI	24.998

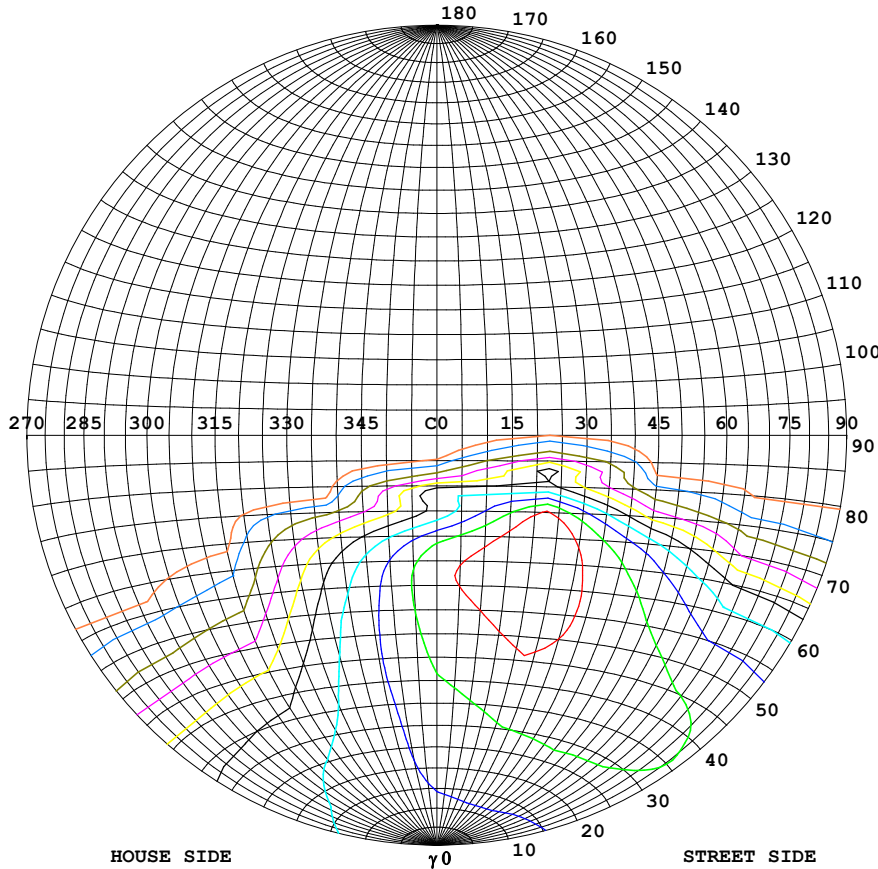


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-07-23

γ Range: 0 - 180DEG
 γInterval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	Shielding Angle:



Classification:

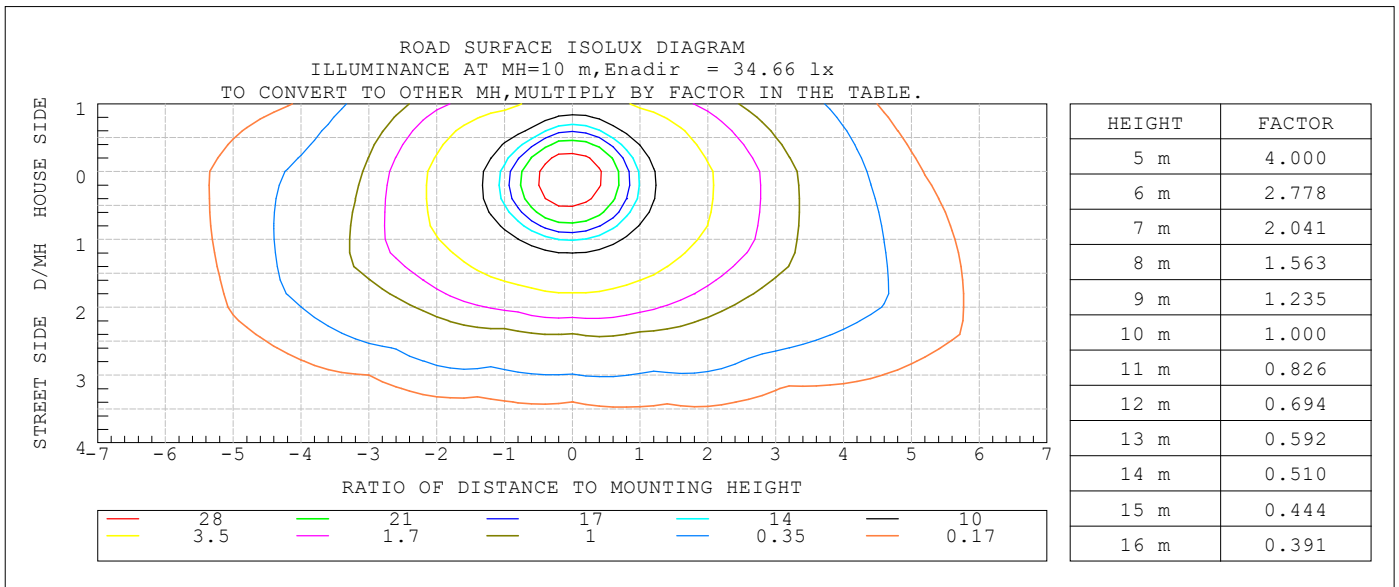
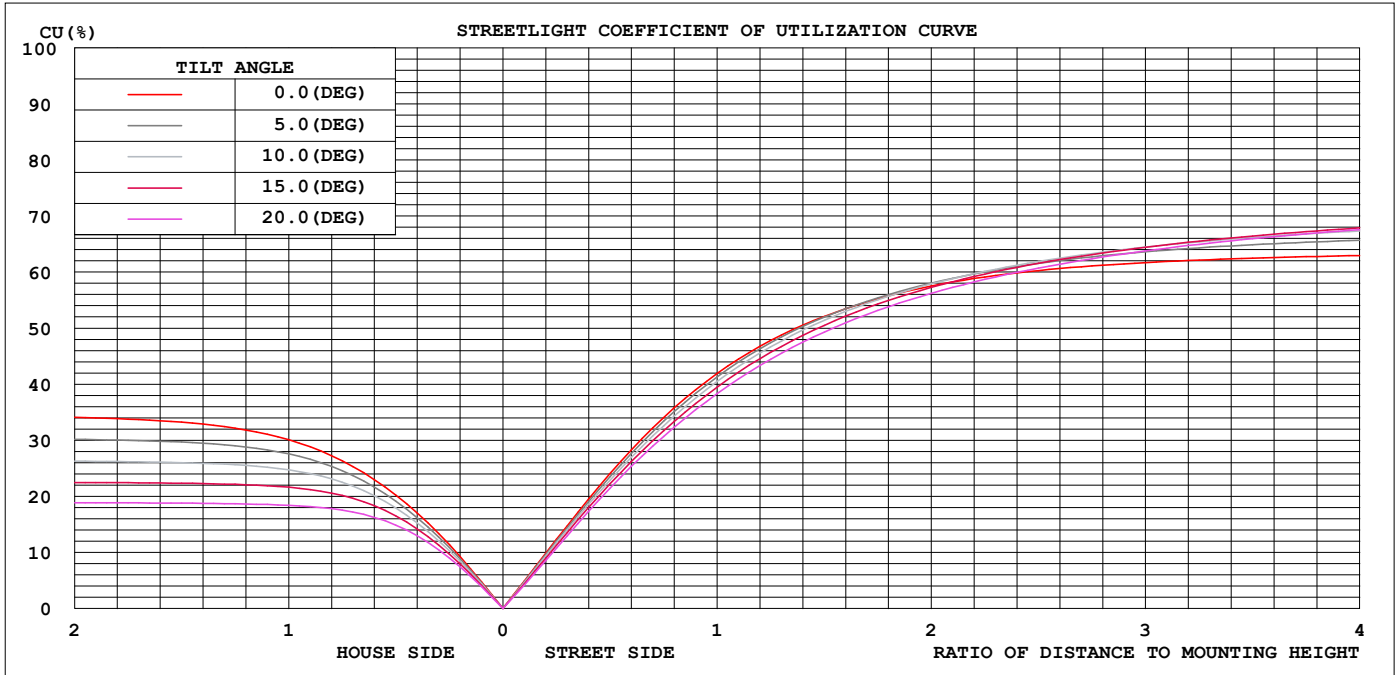
IES:Type IV - Medium
 CIE:Broad - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:294.3cd/klm
 Max.At90:67.78cd/klm
 Max.80-90:294.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5226
— 90%	4704
— 80%	4181
— 70%	3659
— 60%	3136
— 50%	2613
— 40%	2091
— 30%	1568
— 20%	1045
— 10%	523
— 5%	261

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:
 Test Date:2024-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [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:
Test Date: 2024-07-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	Shielding Angle:

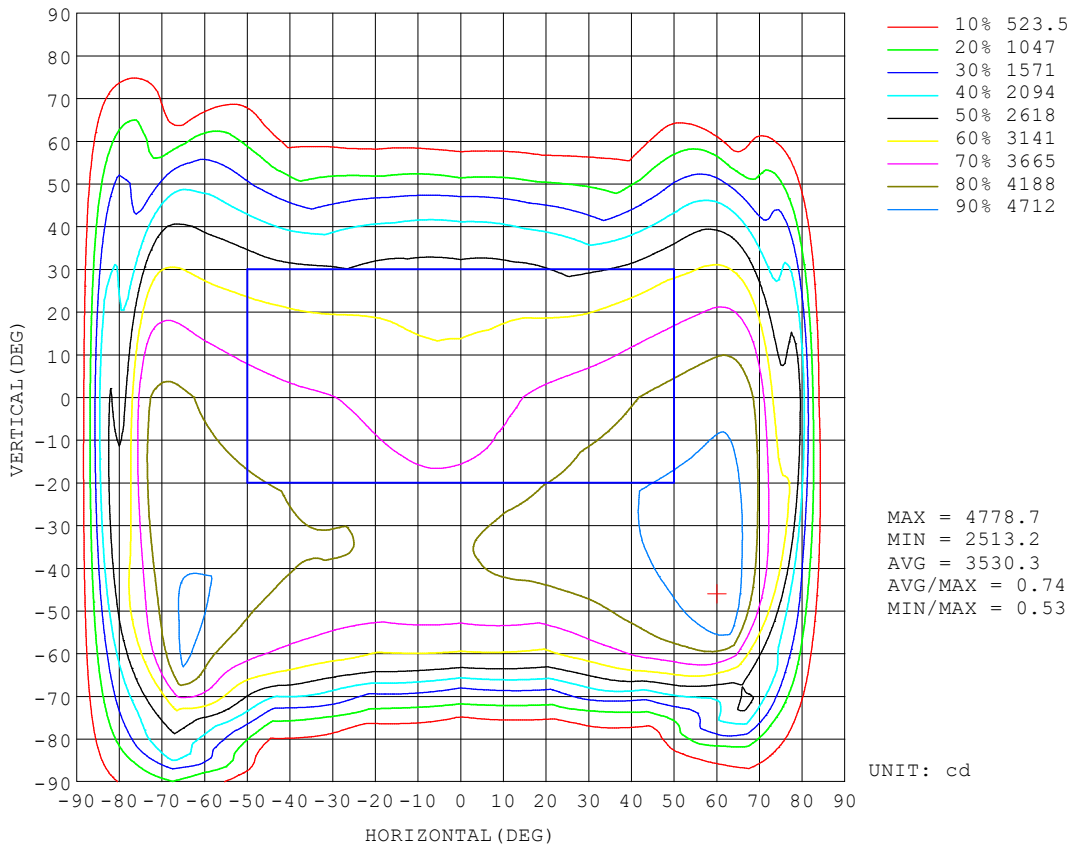
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	
10	3580	3611	3545	3509	3449	3316	3262	3429	0- 10	329.9	329.9	329.9
20	3725	3905	3781	3699	3548	3195	2905	3313	10- 20	987.8	1318	1318
30	3894	4240	4094	4003	3656	2987	2678	2955	20- 30	1641	2959	2959
40	4129	4428	4129	4209	3741	2582	2182	2478	30- 40	2230	5189	5189
50	4363	4430	3841	4181	3895	1917	1188	1687	40- 50	2617	7806	7806
60	4580	4221	3093	3968	4107	1031	317.0	819.9	50- 60	2709	10515	10515
70	3901	3361	1267	3325	4287	303.3	107.7	188.7	60- 70	2500	13016	13016
80	2401	642.7	249.3	1022	2410	71.83	34.14	45.90	70- 80	1670	14686	14686
90	15.41	46.55	88.71	86.87	139.9	12.42	6.038	11.97	80- 90	556.7	15243	15243
100	19.42	6.452	3.758	6.702	18.42	18.08	11.03	17.33	90-100	33.84	15277	15277
110	22.80	9.449	5.594	9.888	22.77	22.59	16.46	22.27	100-110	15.36	15292	15292
120	24.59	13.12	8.790	13.30	25.10	24.86	21.13	25.99	110-120	17.86	15310	15310
130	25.60	16.44	12.38	16.01	26.42	26.37	24.13	27.19	120-130	18.51	15328	15328
140	26.02	18.95	15.74	18.34	27.51	28.12	26.07	27.51	130-140	17.53	15346	15346
150	25.96	21.20	18.91	20.89	27.55	28.50	27.65	27.64	140-150	15.14	15361	15361
160	26.34	23.71	22.48	23.59	27.49	28.73	28.66	27.97	150-160	11.74	15373	15373
170	27.43	26.24	25.76	26.05	27.89	28.73	28.93	28.21	160-170	7.567	15380	15380
180	28.15	28.22	28.33	28.09	28.17	28.25	28.36	28.12	170-180	2.642	15383	15383
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:
 Test Date:2024-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

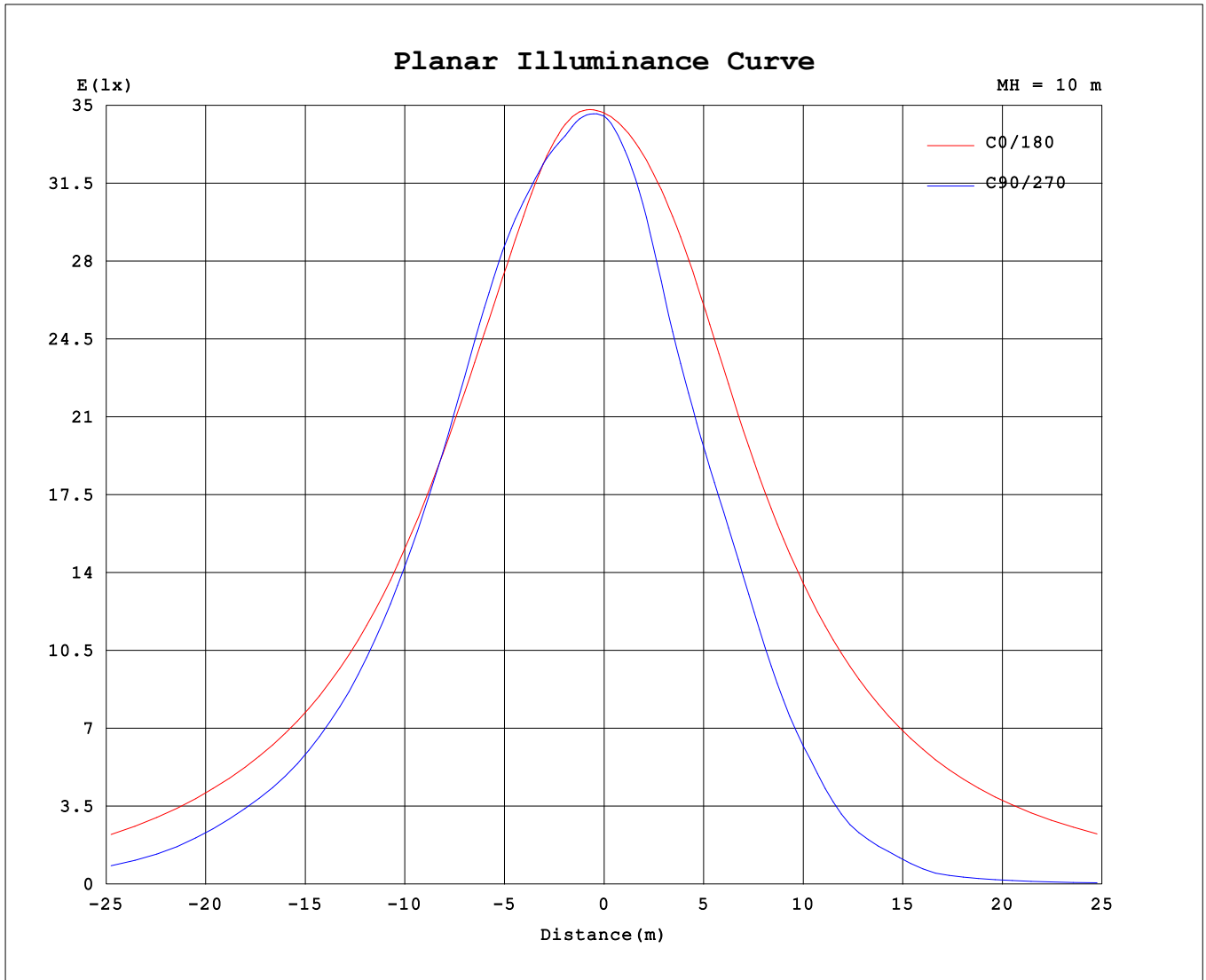
Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-07-23

γ Range: 0 - 180DEG
 γInterval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

Planar Illuminance Curve



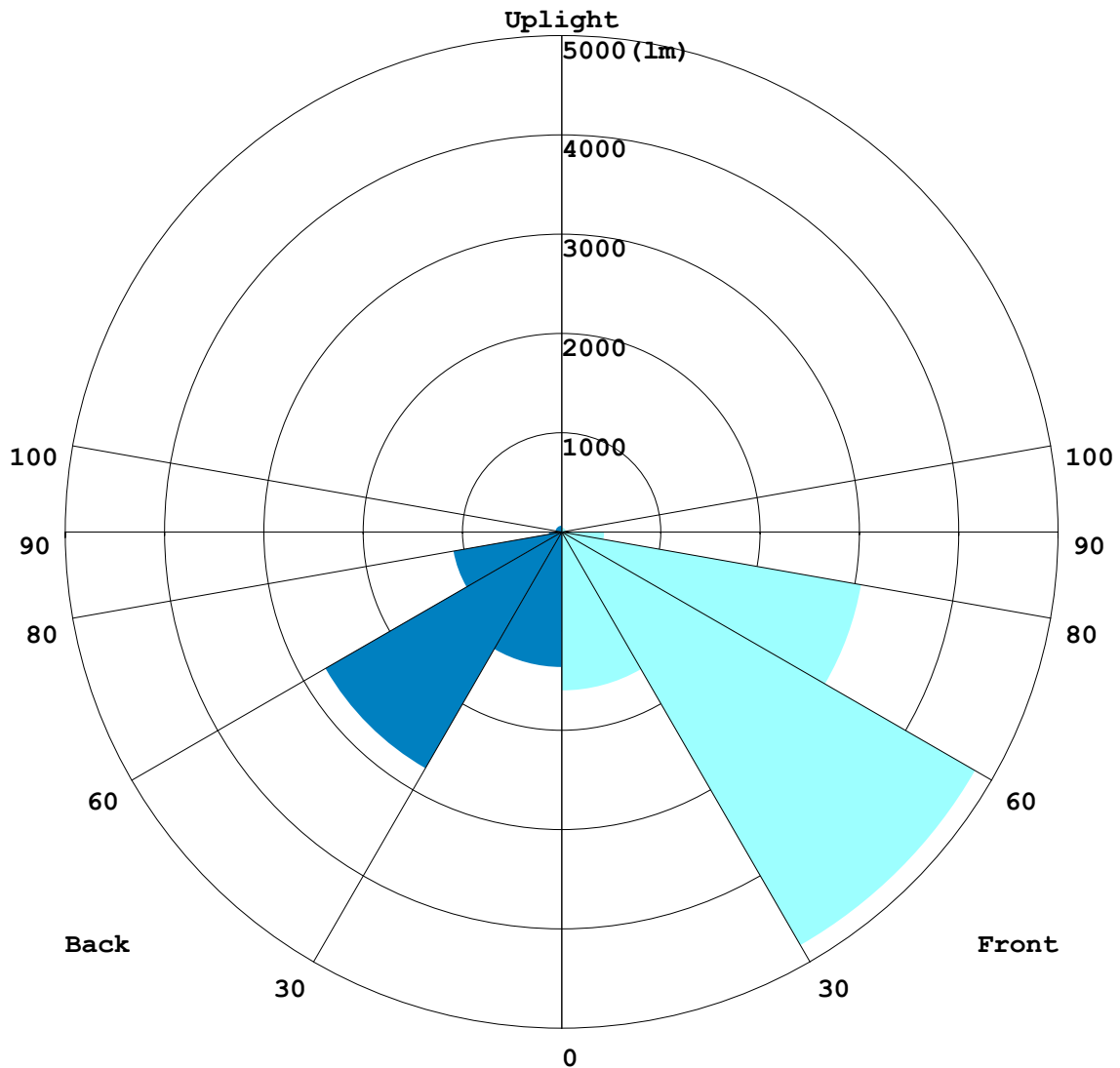
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2024-07-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LCS REPORT

Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-07-23

γ Range: 0 - 180DEG
 γInterval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1596.9	10.4
FM - Front-Medium(30-60)	4809.6	31.3
FH - Front-High(60-80)	3063.9	19.9
FVH - Front-Very High(80-90)	429.18	2.8
Total Forward Light	9967.8	64.8

BL - Back-Low(0-30)	1361.8	8.9
BM - Back-Medium(30-60)	2747.1	17.9
BH - Back-High(60-80)	1106.8	7.2
BVH - Back-Very High(80-90)	127.48	0.8
Total Back Light	5415.2	35.2

UL - Uplight-Low(90-100)	33.838	0.2
UH - Uplight-High(100-180)	106.36	0.7
Total Up Light	140.2	0.9

BUG(Back,Up,Glare) Rating	B3-U4-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5343.2	71.983	5415.2
Street Side	9899.6	68.213	9967.8

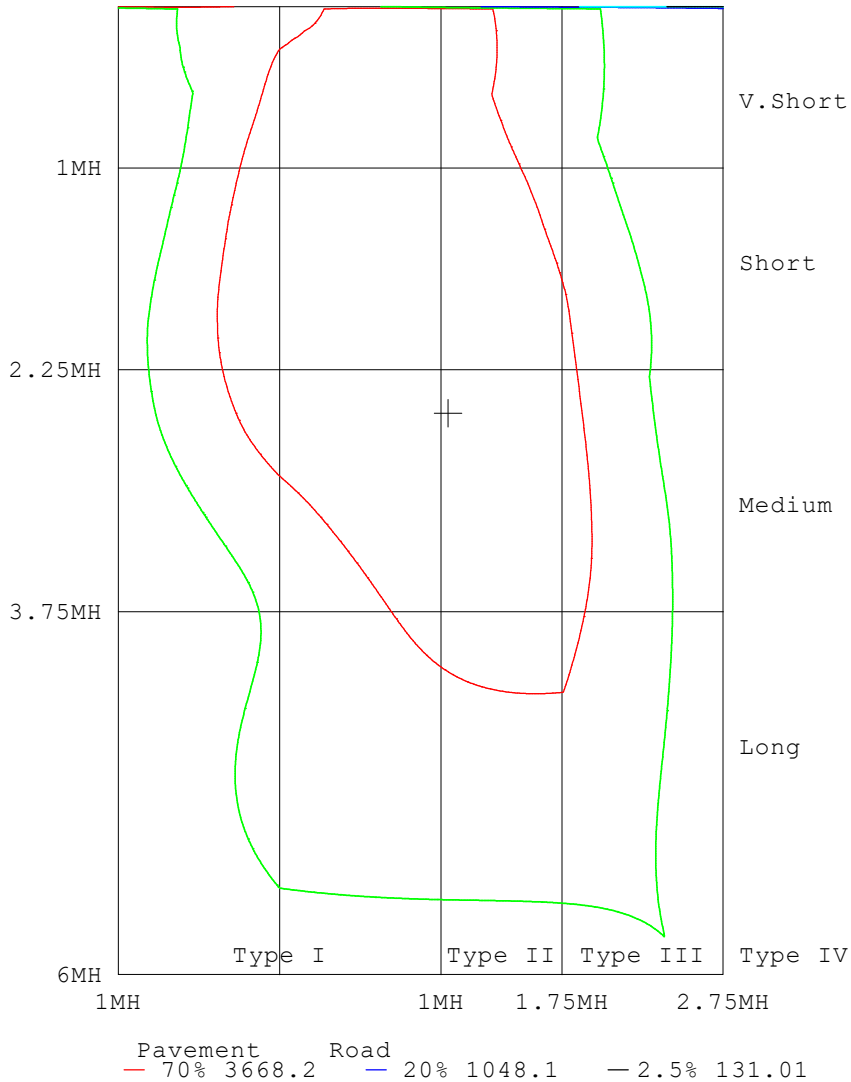
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2024-07-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-07-23

Y Range: 0 - 180DEG
 Y Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.67V I:0.8089A P:96.529W PF:0.9973 Freq:59.98Hz Lamp Flux:15383x1 lm		
NAME: WP9-SW3B100S-P 100W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.29*0.18	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	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452			
5	3506	3517	3517	3509	3496	3483	3471	3455	3434	3415	3386	3368	3371	3397	3436	3474			
10	3580	3607	3611	3582	3545	3524	3509	3486	3449	3393	3316	3259	3262	3329	3429	3519			
15	3656	3720	3732	3701	3647	3601	3576	3549	3490	3397	3250	3114	3093	3208	3393	3555			
20	3725	3852	3905	3865	3781	3724	3699	3643	3548	3422	3195	2962	2905	3051	3313	3547			
25	3802	3999	4085	4058	3958	3880	3855	3750	3609	3433	3127	2840	2783	2894	3164	3505			
30	3894	4157	4240	4222	4094	4035	4003	3855	3656	3394	2987	2722	2678	2746	2955	3448			
35	4007	4319	4356	4306	4151	4135	4130	3958	3695	3313	2790	2599	2514	2570	2726	3394			
40	4129	4487	4428	4287	4129	4154	4209	4061	3741	3222	2582	2338	2182	2247	2478	3355			
45	4250	4659	4455	4191	4039	4106	4224	4171	3813	3136	2310	1935	1759	1812	2128	3303			
50	4363	4820	4430	3993	3841	3947	4181	4300	3895	3042	1917	1472	1188	1325	1687	3221			
55	4475	4955	4356	3658	3525	3658	4099	4438	3996	2919	1463	941	780	825	1246	3100			
60	4580	5070	4221	3227	3093	3280	3968	4568	4107	2747	1031	535	317	399	820	2911			
65	4511	5173	3967	2595	2250	2797	3746	4682	4242	2503	612	210	173	177	467	2623			
70	3901	5226	3361	1547	1267	1755	3325	4816	4287	2177	303	115	108	102	189	2033			
75	2779	4772	1903	767	502	942	2265	4910	3783	1564	135	76.2	70.3	65.7	103	911			
80	2401	2784	643	255	249	280	1022	4527	2410	375	71.8	41.7	34.1	32.4	45.9	108			
85	293	1987	143	148	176	174	256	2795	1888	67.2	25.8	7.83	4.19	5.21	9.87	25.9			
90	15.4	255	46.5	67.8	88.7	88.0	86.9	1043	140	15.1	12.4	7.94	6.04	7.33	12.0	15.7			
95	17.3	10.8	5.38	8.29	16.3	21.8	12.2	10.9	15.9	17.8	15.3	10.5	8.37	9.89	14.8	18.2			
100	19.4	12.6	6.45	3.78	3.76	4.09	6.70	12.7	18.4	20.6	18.1	13.4	11.0	12.7	17.3	20.5			
105	21.4	14.4	7.86	4.63	4.47	4.88	8.23	14.8	20.8	23.0	20.5	16.3	13.8	15.5	19.8	22.5			
110	22.8	16.1	9.45	5.83	5.59	6.03	9.89	16.4	22.8	24.8	22.6	19.0	16.5	18.1	22.3	24.0			
115	23.9	17.8	11.3	7.47	7.08	7.62	11.6	17.6	24.1	26.2	24.0	21.2	18.9	20.5	24.4	25.1			
120	24.6	19.4	13.1	9.28	8.79	9.42	13.3	18.4	25.1	27.2	24.9	22.8	21.1	22.5	26.0	26.0			
125	25.1	20.6	14.9	11.1	10.6	11.3	14.7	18.9	25.7	27.9	25.5	24.0	22.8	24.0	26.9	26.8			
130	25.6	21.6	16.4	13.0	12.4	13.1	16.0	19.6	26.4	28.7	26.4	24.9	24.1	25.0	27.2	27.7			
135	25.9	22.3	17.8	14.8	14.1	14.7	17.2	20.4	27.0	29.2	27.5	25.7	25.1	25.8	27.3	27.9			
140	26.0	22.8	19.0	16.4	15.7	16.3	18.3	21.7	27.5	29.4	28.1	26.5	26.1	26.6	27.5	27.7			
145	26.0	23.2	20.1	17.9	17.3	17.8	19.6	22.7	27.6	29.2	28.4	27.3	26.9	27.2	27.6	27.3			
150	26.0	23.7	21.2	19.5	18.9	19.4	20.9	23.5	27.6	28.9	28.5	27.8	27.7	27.7	27.6	27.1			
155	26.1	24.3	22.4	21.2	20.7	21.1	22.3	24.3	27.5	28.7	28.6	28.3	28.2	28.1	27.8	27.0			
160	26.3	25.0	23.7	22.9	22.5	22.7	23.6	25.0	27.5	28.6	28.7	28.7	28.7	28.5	28.0	27.1			
165	26.8	25.9	25.0	24.5	24.3	24.4	24.9	25.8	27.6	28.5	28.8	28.9	28.9	28.7	28.1	27.3			
170	27.4	26.8	26.2	26.0	25.8	25.9	26.0	26.6	27.9	28.4	28.7	28.9	28.9	28.7	28.2	27.6			
175	27.8	27.6	27.2	27.2	27.0	27.1	27.1	27.3	28.1	28.4	28.6	28.7	28.7	28.6	28.2	27.7			
180	28.2	28.2	28.2	28.3	28.3	28.4	28.1	28.0	28.2	28.2	28.2	28.3	28.4	28.4	28.1	27.9			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-07-23

γ Range: 0 - 180DEG
 γInterval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks: