Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1048303

Luminaire Tested: **GALN-SA8C-722-U-T4BC**

Issue Date: 07/10/2025

Report Generated By 670347003

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1048303
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA8C-722-U-T4BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 8xLight Square PACKAGE 70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source:	(112) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32705.5 lumens
Efficiency:	N/A
Efficacy:	87.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G5

Input Watts (W):	372.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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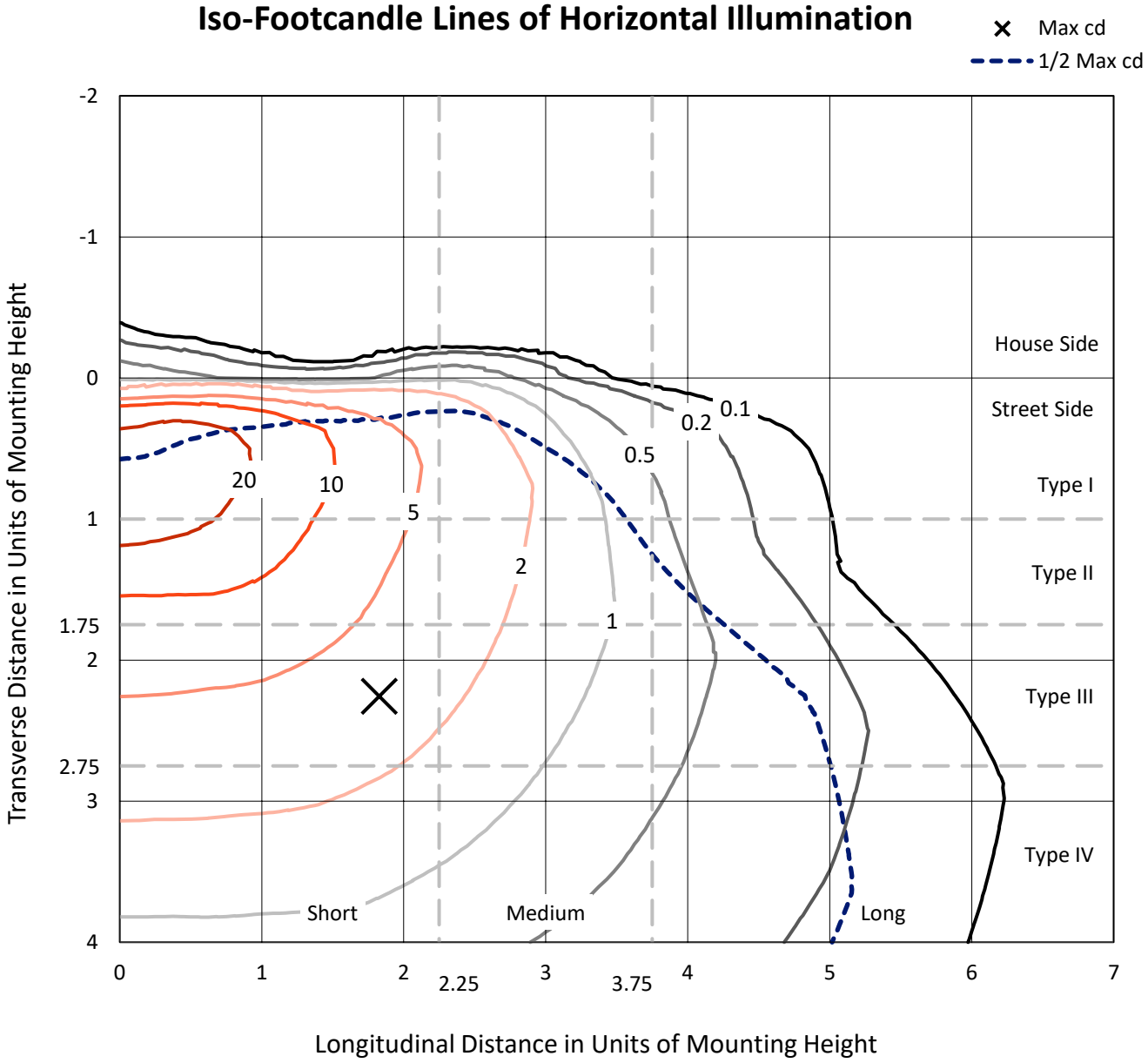
REPORT NUMBER: P1048303
CATALOG NUMBER: GALN-SA8C-722-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 33.6 fc
Type IV - Short - N/A

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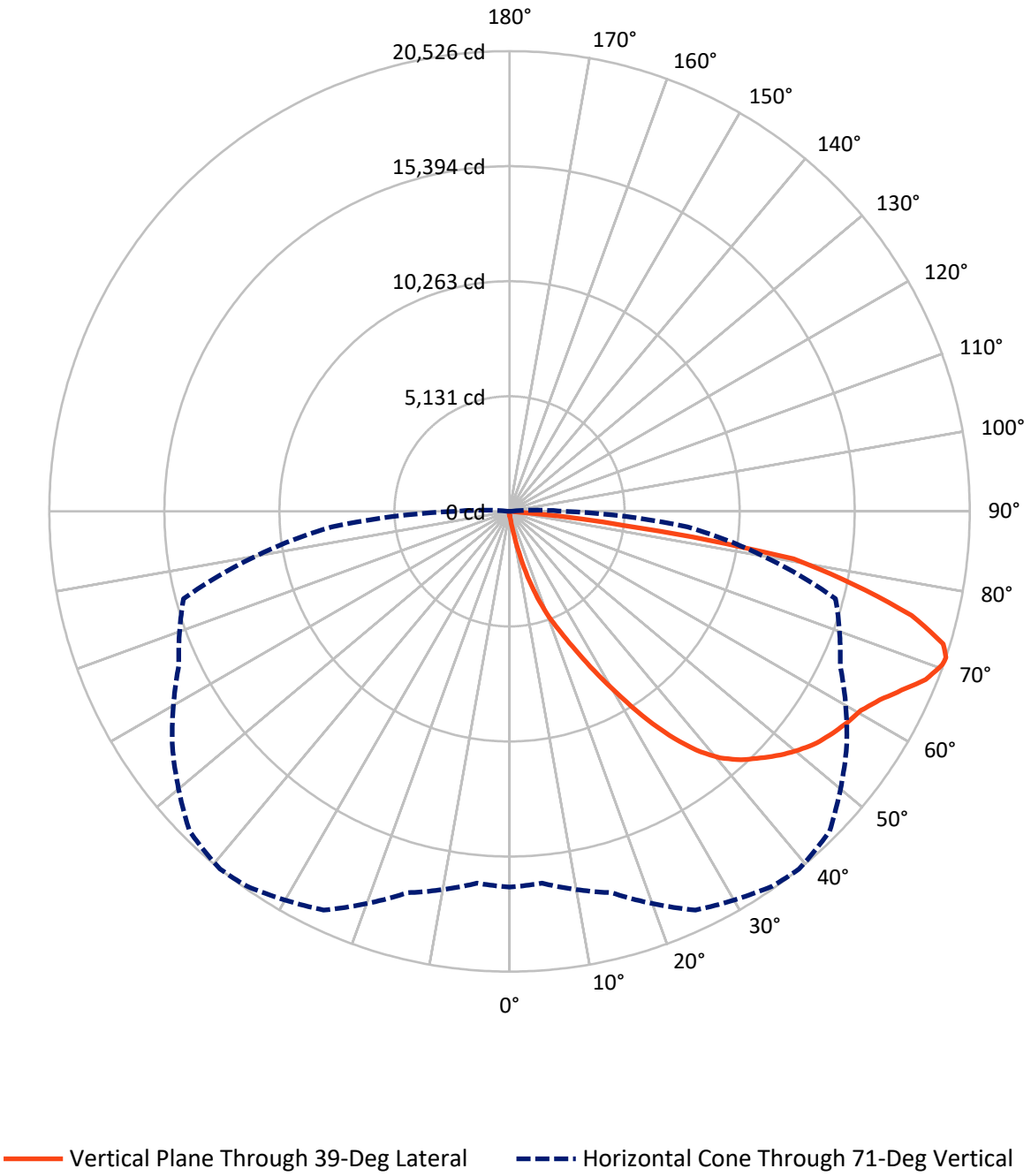
Luminous Intensity Polar Plot



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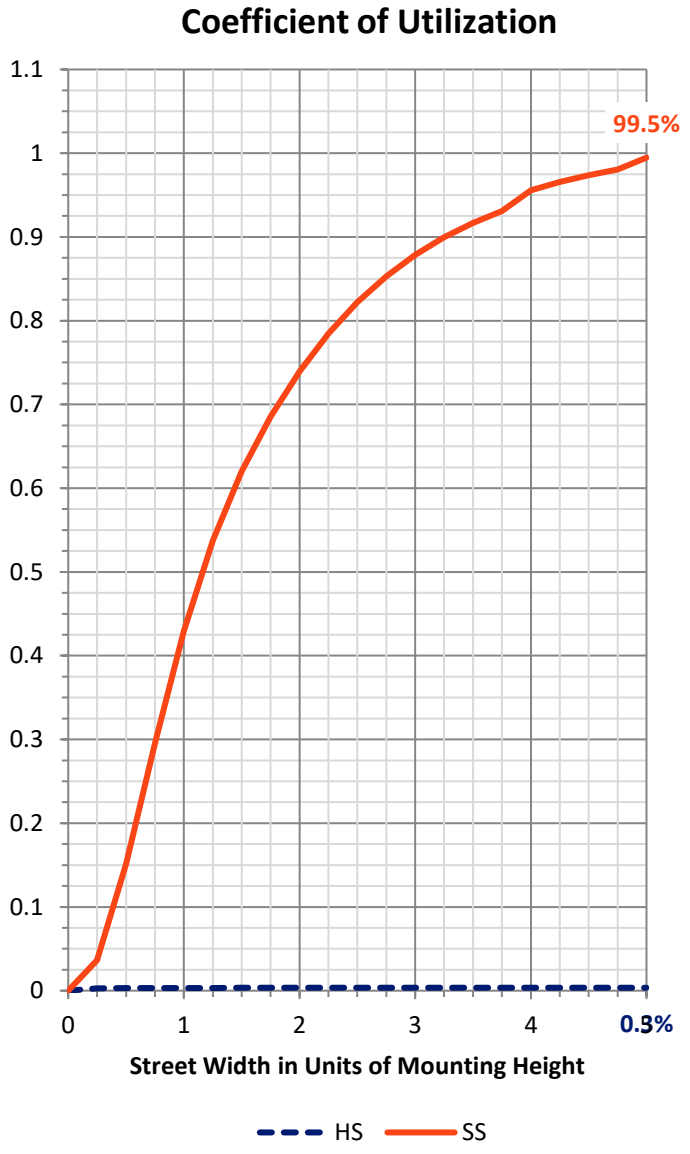
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	116.2	0.0	116.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	32589.3	0.0	32589.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	32705.5	0.0	32705.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.1
10°-20°	349.6	1.1
20°-30°	1244.9	3.8
30°-40°	3000.2	9.2
40°-50°	5021.1	15.4
50°-60°	6449.0	19.7
60°-70°	8161.2	25.0
70°-80°	7276.1	22.2
80°-90°	1176.1	3.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	32705.5	100.0
0°-180°	32705.5	100.0



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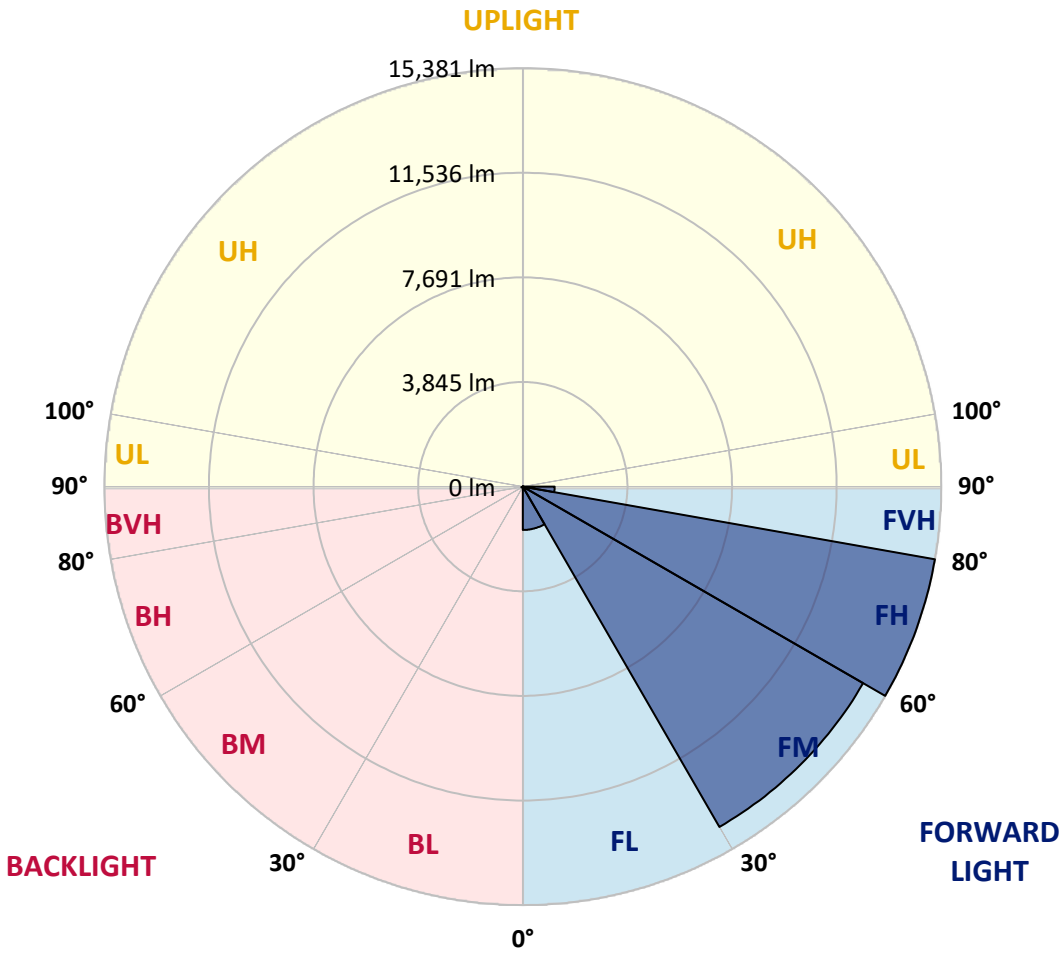
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1593.6	4.9			
FM	(30°-60°)	14443.4	44.2			
FH	(60°-80°)	15381.4	47.0			G5
FVH	(80°-90°)	1170.8	3.6			G5
BL	(0°-30°)	28.1	0.1	B0/110		
BM	(30°-60°)	26.9	0.1	B0/220		
BH	(60°-80°)	55.9	0.2	B0/110		G0/110
BVH	(80°-90°)	5.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G5
Type IV Short



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REPORT NUMBER: P1048303
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	179.3	179.3	179.3	179.3	179.3	*179.3*	179.3	179.3	179.3	179.3	179.3
2.5°	205.9	205.9	205.9	199.3	199.3	*197.0*	194.8	194.8	190.4	188.2	183.8
5°	312.2	305.5	290.0	281.2	263.5	*252.4*	241.3	225.8	210.3	199.3	186.0
7.5°	706.3	721.8	670.8	575.6	478.2	*436.2*	365.3	294.5	243.5	210.3	188.2
10°	1800.0	1791.1	1618.4	1428.0	1102.6	*971.9*	761.6	480.4	314.4	230.3	190.4
12.5°	3061.9	3053.1	2849.4	2590.4	2160.9	*1888.5*	1490.0	896.7	451.7	261.3	190.4
15°	4122.4	4087.0	4022.8	3766.0	3263.4	*3035.4*	2508.4	1585.2	730.6	314.4	194.8
17.5°	4824.3	4793.3	4733.5	4640.5	4321.7	*4051.6*	3628.7	2490.7	1182.3	407.4	203.7
20°	5468.6	5446.4	5397.7	5380.0	5174.1	*5030.2*	4680.4	3531.3	1842.0	553.5	217.0
22.5°	6354.1	6307.7	6327.6	6221.3	6019.8	*5847.1*	5632.4	4620.6	2647.9	797.0	241.3
25°	7439.0	7416.9	7361.5	7286.2	7007.3	*6856.7*	6526.8	5647.9	3549.0	1115.9	267.9
27.5°	8749.7	8725.3	8712.0	8539.4	8218.3	*8054.5*	7594.0	6617.6	4563.0	1563.1	303.3
30°	10259.6	10270.7	10184.3	9962.9	9588.8	*9358.5*	8884.7	7633.8	5601.4	2087.8	341.0
32.5°	11822.7	11800.6	11667.7	11406.5	11072.2	*10857.4*	10255.2	8747.5	6690.7	2780.8	385.2
35°	13507.5	13465.5	13115.7	12816.8	12531.2	*12261.1*	11712.0	10040.4	7780.0	3557.9	445.0
37.5°	15207.9	15010.8	14309.0	13930.4	13733.4	*13512.0*	13000.5	11419.8	8862.6	4425.8	518.1
40°	16492.0	16339.2	15506.8	14809.4	14652.2	*14464.0*	14083.2	12610.9	10013.9	5357.9	606.6
42.5°	17202.7	17118.6	16370.2	15681.7	15311.9	*15145.9*	14820.4	13651.5	11151.9	6387.4	735.0
45°	17506.0	17375.4	16875.0	16554.0	15965.1	*15690.5*	15303.1	14437.4	12340.8	7556.3	914.4
47.5°	17413.0	17337.7	16979.1	17096.4	16669.1	*16241.8*	15672.8	15039.6	13357.0	8898.0	1160.1
50°	16828.5	16764.3	16653.6	17289.0	17235.9	*16731.1*	16151.0	15515.6	14187.2	10281.8	1540.9
52.5°	15717.1	15690.5	15973.9	17138.5	17556.9	*17162.8*	16611.6	15936.3	14962.1	11727.5	2085.6
55°	14284.7	14393.1	15203.5	16903.8	17720.8	*17481.7*	17018.9	16330.4	15584.3	13020.5	2889.3
57.5°	13695.7	13724.5	14736.3	16737.8	17793.8	*17762.8*	17415.2	16706.8	16155.5	14054.4	4115.8
60°	14384.3	14340.0	14873.6	16864.0	17939.9	*18015.2*	17767.3	17056.6	16651.4	14942.2	5749.7
62.5°	15628.5	15604.2	15774.7	17402.0	18367.2	*18520.0*	18256.5	17309.0	17089.8	15526.7	7613.9
65°	16740.0	16689.0	17005.6	18356.2	19117.8	*19226.3*	18996.0	17740.7	17282.4	15951.8	9365.2
67.5°	17220.4	17209.3	17718.6	19263.9	19906.0	*20023.3*	19821.8	18336.3	17238.1	16086.8	10137.9
70°	17001.2	16959.2	17773.9	19649.1	20351.0	*20483.8*	20289.0	18557.7	16757.7	15659.5	8993.2
71°	*16759.9*	*16647.0*	*17607.9*	*19622.6*	*20413.0*	*20525.9*	*20184.9*	*18356.2*	*16275.0*	*15052.9*	*7954.9*
72.5°	16011.6	16031.5	17151.8	19345.8	20264.6	*20231.4*	19596.0	17634.4	15692.8	13675.8	6389.6
75°	14169.5	14286.9	15675.0	18183.5	18940.7	*18517.8*	17545.9	16255.1	14523.8	9805.8	4436.8
77.5°	11579.2	11754.1	13279.5	15947.4	15732.6	*15690.5*	15650.7	14322.3	12402.8	5267.1	3086.3
80°	5528.3	5906.9	8010.2	11384.3	12367.3	*12843.3*	12544.5	11541.5	9591.0	2508.4	1844.3
82.5°	360.9	356.5	504.8	956.4	4031.7	*5211.7*	8280.3	8249.3	6686.2	1222.1	752.8
85°	170.5	174.9	192.6	219.2	254.6	*279.0*	385.2	2258.3	3199.2	582.3	163.8
87.5°	99.6	101.8	119.6	152.8	199.3	*221.4*	263.5	338.7	416.2	321.0	35.4
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA8C-722-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3
2.5°	181.5	179.3	172.7	166.0	159.4	155.0	152.8	155.0	155.0	157.2	157.2
5°	181.5	174.9	163.8	150.6	141.7	132.8	128.4	126.2	128.4	128.4	128.4
7.5°	179.3	168.3	152.8	137.3	126.2	115.1	110.7	108.5	108.5	110.7	110.7
10°	174.9	163.8	143.9	126.2	112.9	99.6	93.0	86.3	86.3	86.3	88.6
12.5°	172.7	157.2	132.8	115.1	97.4	81.9	68.6	62.0	64.2	64.2	64.2
15°	168.3	150.6	126.2	104.1	81.9	62.0	50.9	44.3	46.5	48.7	46.5
17.5°	168.3	148.3	117.3	90.8	64.2	46.5	37.6	33.2	33.2	35.4	35.4
20°	168.3	143.9	110.7	77.5	48.7	35.4	26.6	24.4	24.4	28.8	31.0
22.5°	172.7	143.9	101.8	64.2	39.9	26.6	19.9	17.7	19.9	24.4	26.6
25°	179.3	141.7	93.0	57.6	33.2	19.9	15.5	11.1	13.3	17.7	19.9
27.5°	186.0	139.5	84.1	50.9	26.6	15.5	11.1	8.9	6.6	8.9	8.9
30°	192.6	139.5	75.3	42.1	22.1	11.1	6.6	4.4	2.2	0.0	0.0
32.5°	197.0	135.1	68.6	33.2	17.7	8.9	4.4	2.2	0.0	0.0	0.0
35°	201.5	130.6	59.8	26.6	13.3	6.6	2.2	0.0	0.0	0.0	0.0
37.5°	205.9	124.0	50.9	22.1	11.1	4.4	0.0	0.0	0.0	0.0	0.0
40°	210.3	115.1	42.1	19.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	214.8	108.5	35.4	15.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	225.8	104.1	28.8	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	245.8	99.6	26.6	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	274.5	95.2	24.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	314.4	93.0	22.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	385.2	90.8	19.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	507.0	88.6	19.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	777.1	84.1	19.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1388.2	81.9	17.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2419.9	84.1	17.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3469.3	88.6	15.5	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	2969.0	77.5	15.5	8.9	4.4	2.2	0.0	0.0	0.0	0.0	0.0
71°	*2419.9*	*68.6*	*15.5*	*8.9*	*4.4*	*2.2*	*2.2*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	1556.4	53.1	13.3	8.9	4.4	4.4	2.2	0.0	0.0	0.0	0.0
75°	657.6	44.3	13.3	8.9	6.6	4.4	4.4	2.2	0.0	0.0	0.0
77.5°	281.2	33.2	13.3	11.1	8.9	6.6	6.6	4.4	2.2	0.0	0.0
80°	106.3	26.6	15.5	13.3	11.1	11.1	8.9	4.4	2.2	0.0	0.0
82.5°	48.7	22.1	15.5	13.3	13.3	11.1	8.9	6.6	4.4	0.0	0.0
85°	31.0	19.9	15.5	13.3	13.3	11.1	11.1	6.6	4.4	0.0	0.0
87.5°	24.4	19.9	15.5	15.5	13.3	13.3	8.9	6.6	2.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

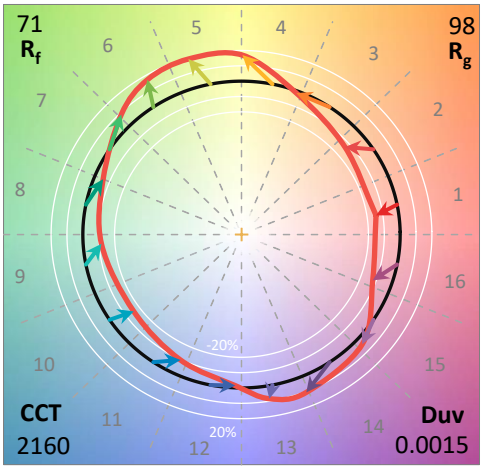
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

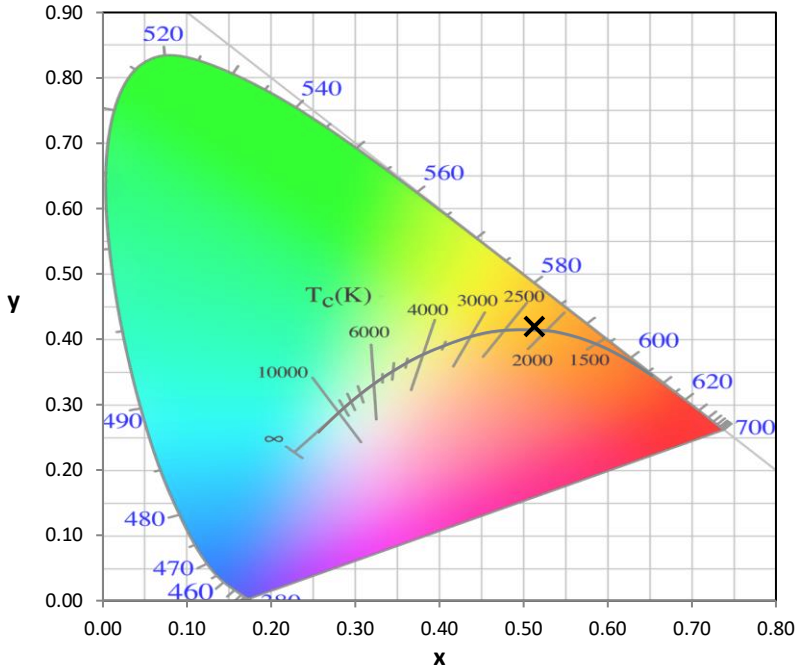
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

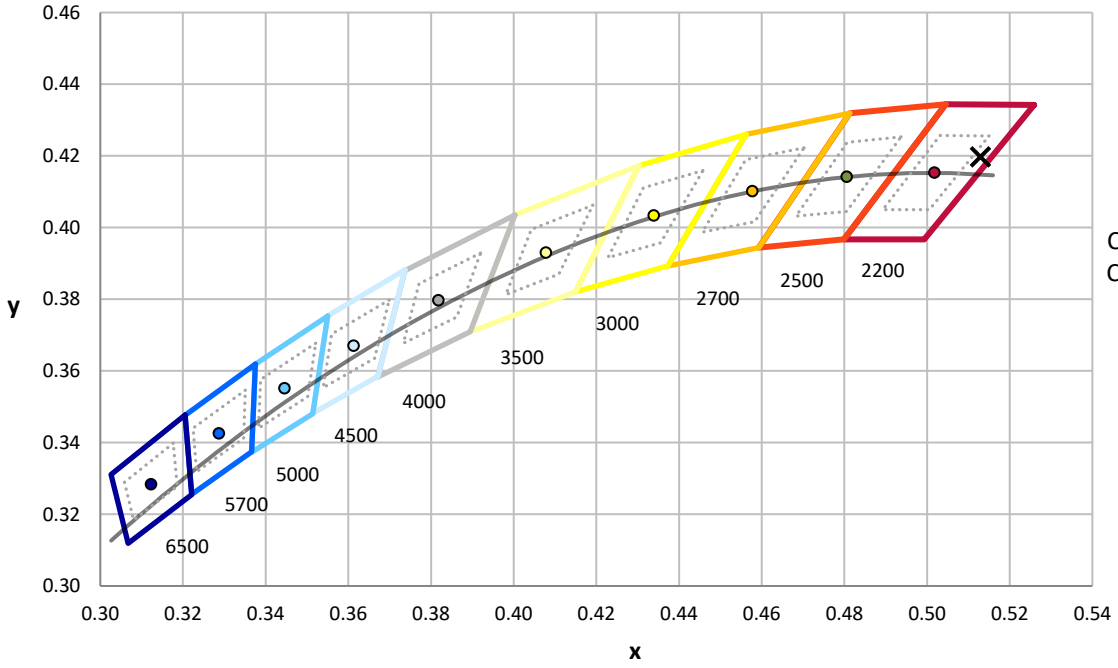
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

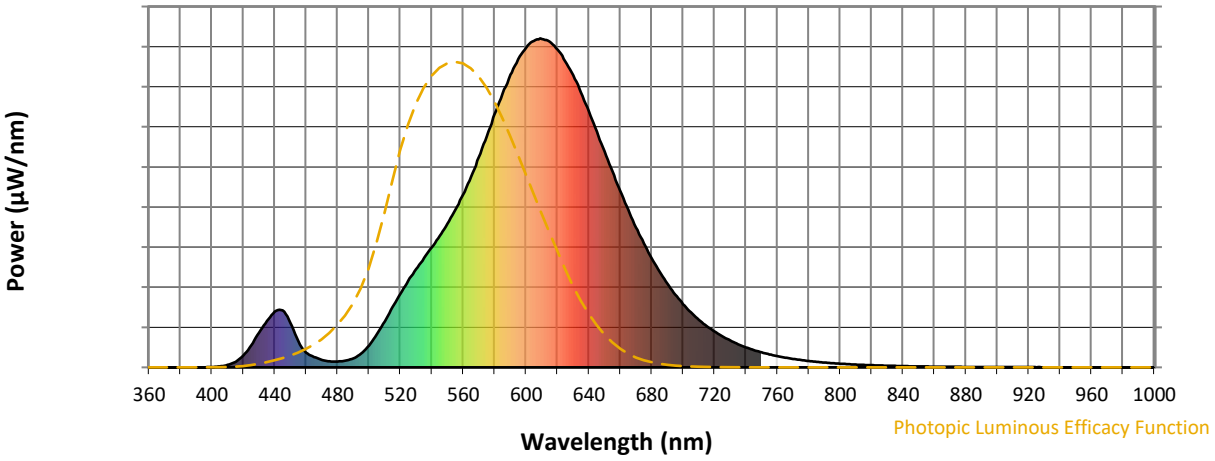


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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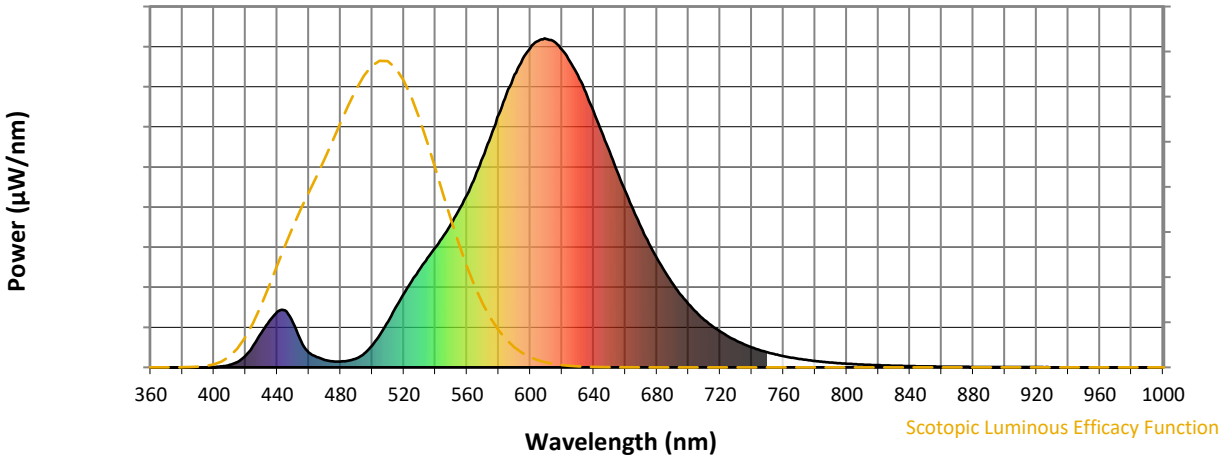
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.8**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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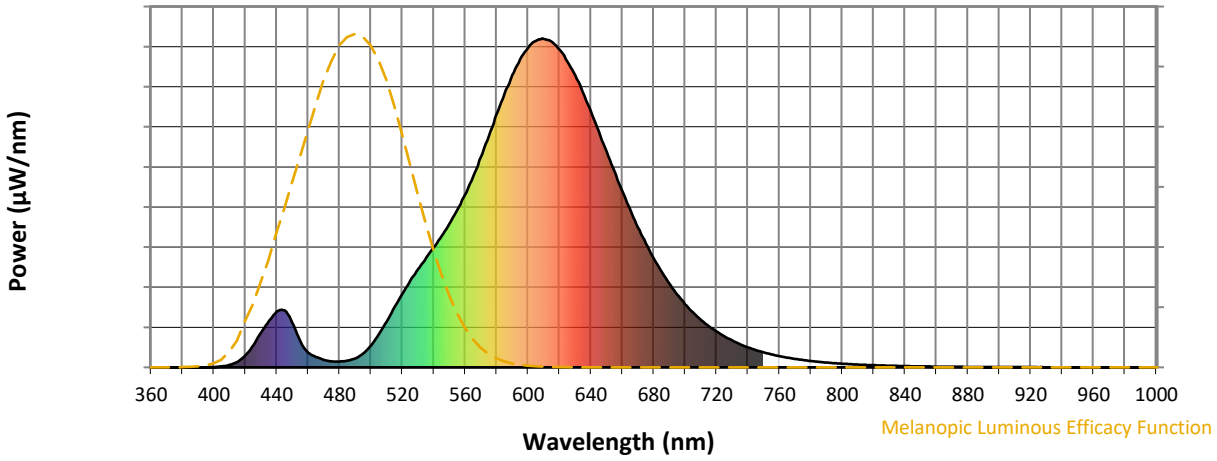
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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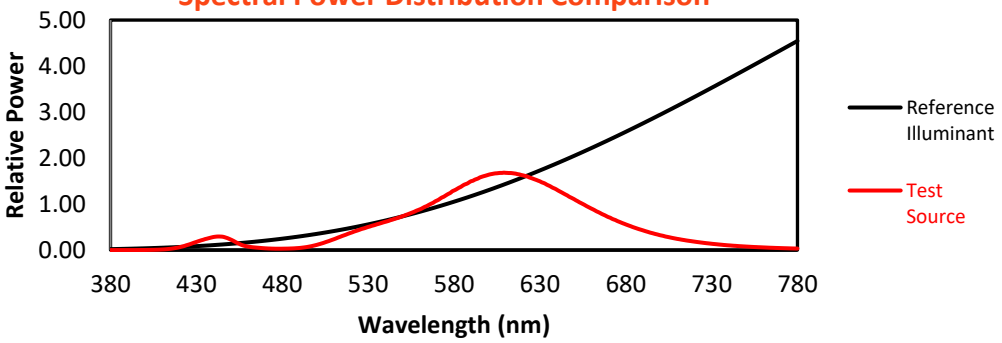
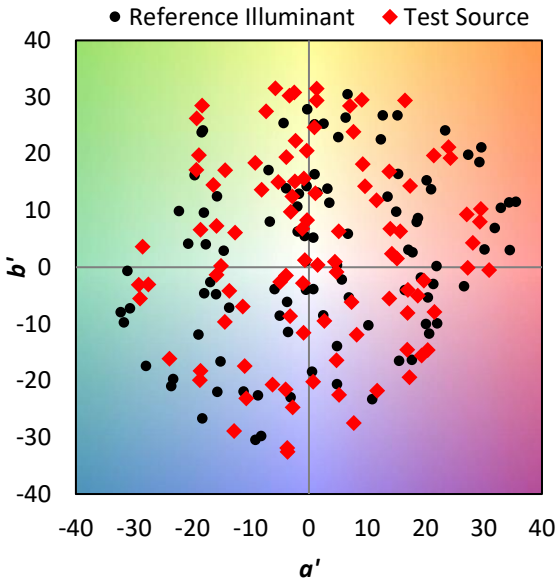
Summary

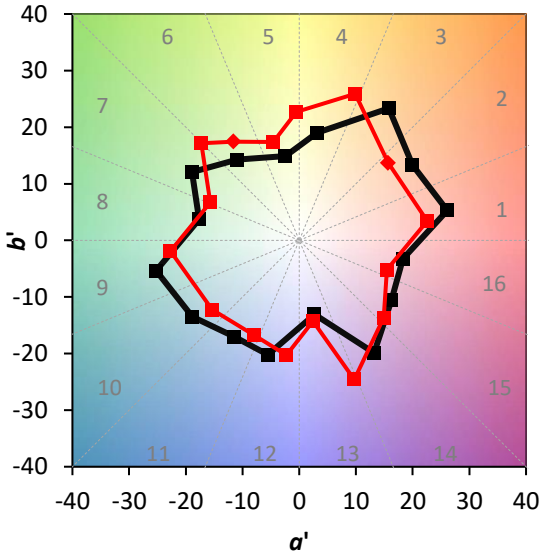
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

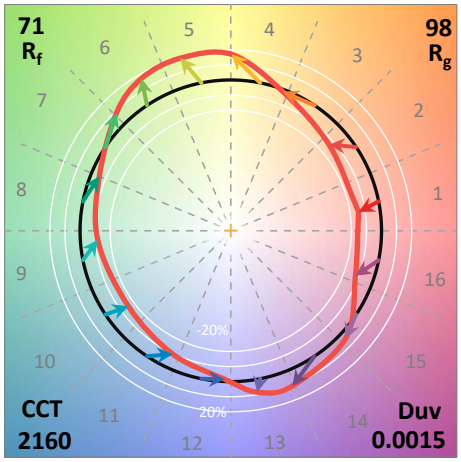
Spectral Power Distribution Comparison

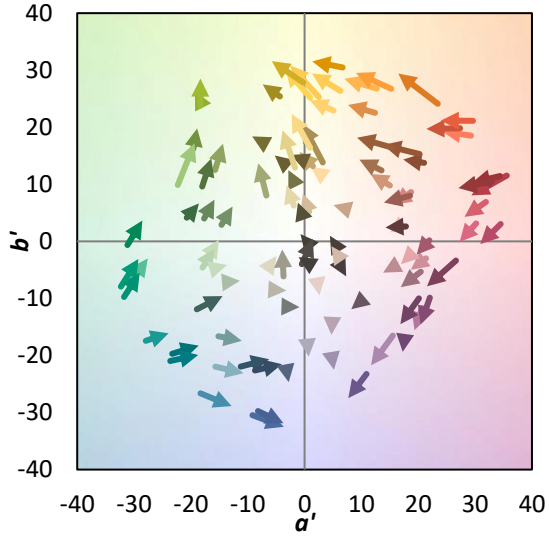


Color Vector Graphics









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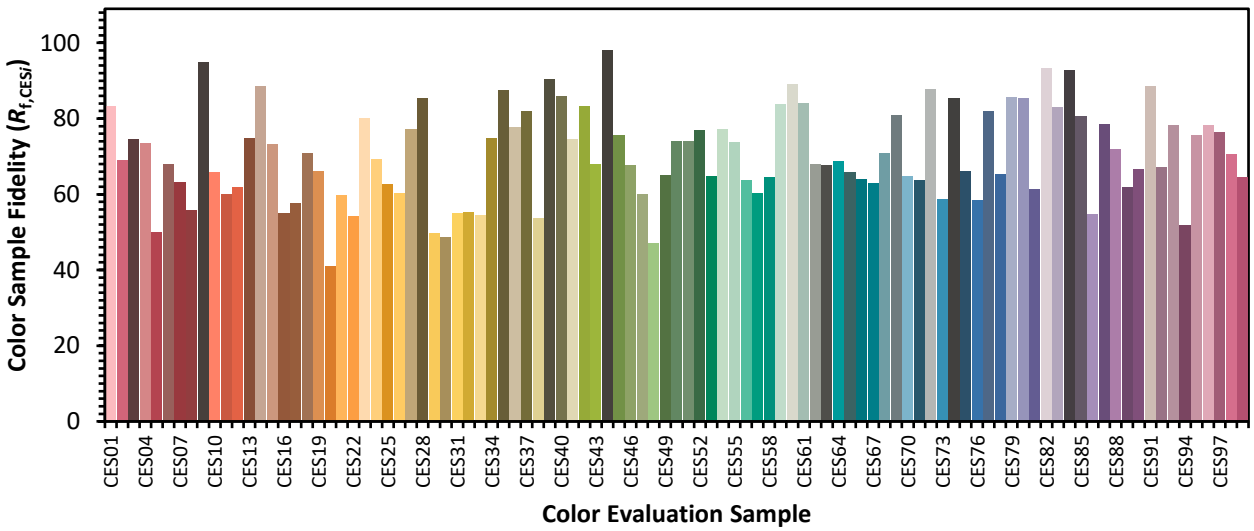
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



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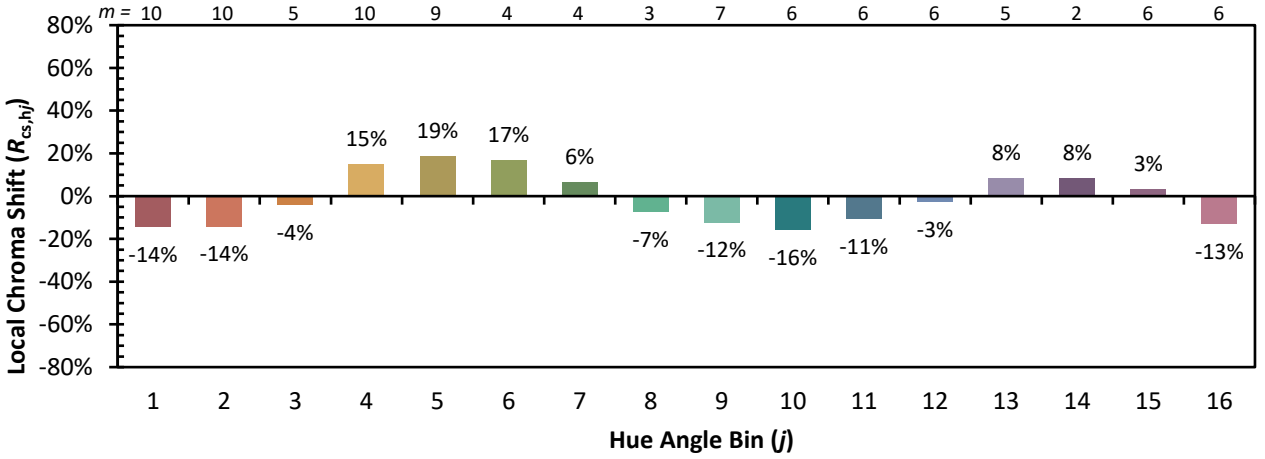
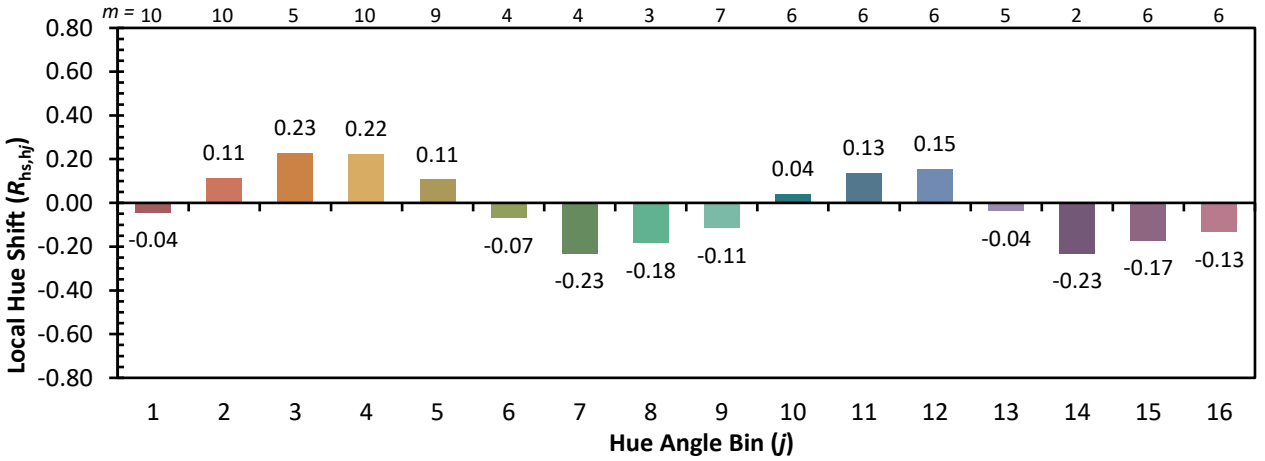
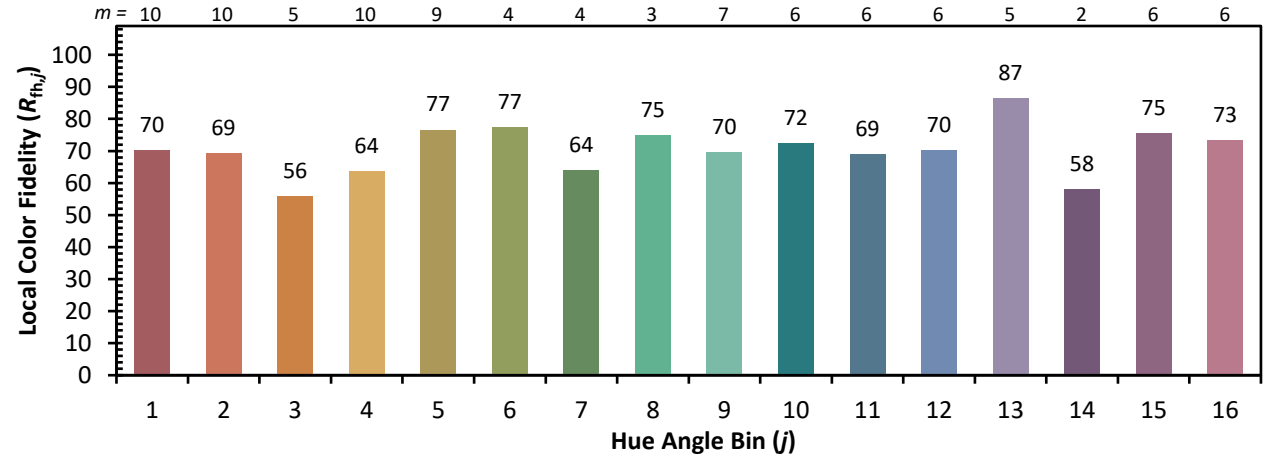
Color Rendition by Hue-Angle Bin







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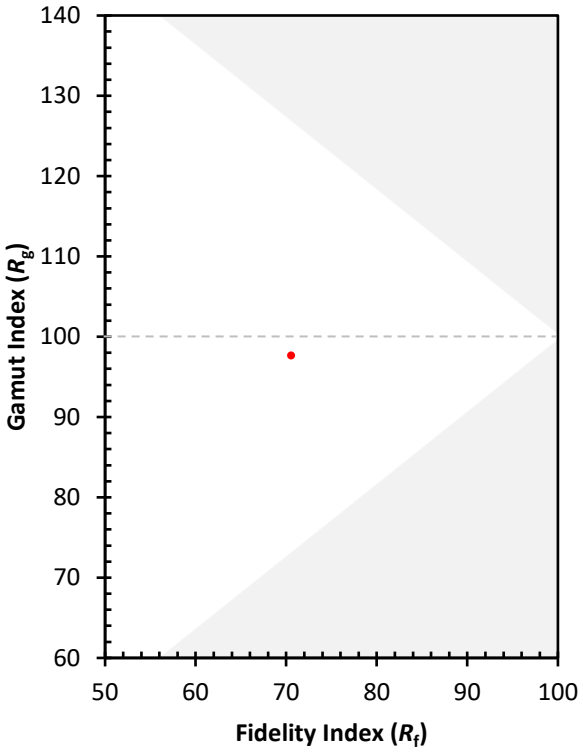
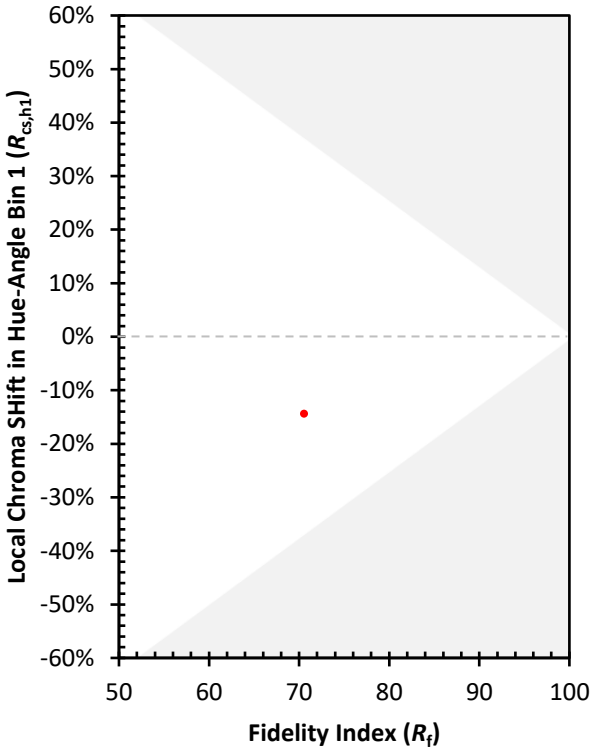
Measure Comparisons





(END OF REPORT)