

Signify Classified - Internal
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: P1048543

Luminaire Tested: **GALN-SA5C-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048543
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25222.8 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 236
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

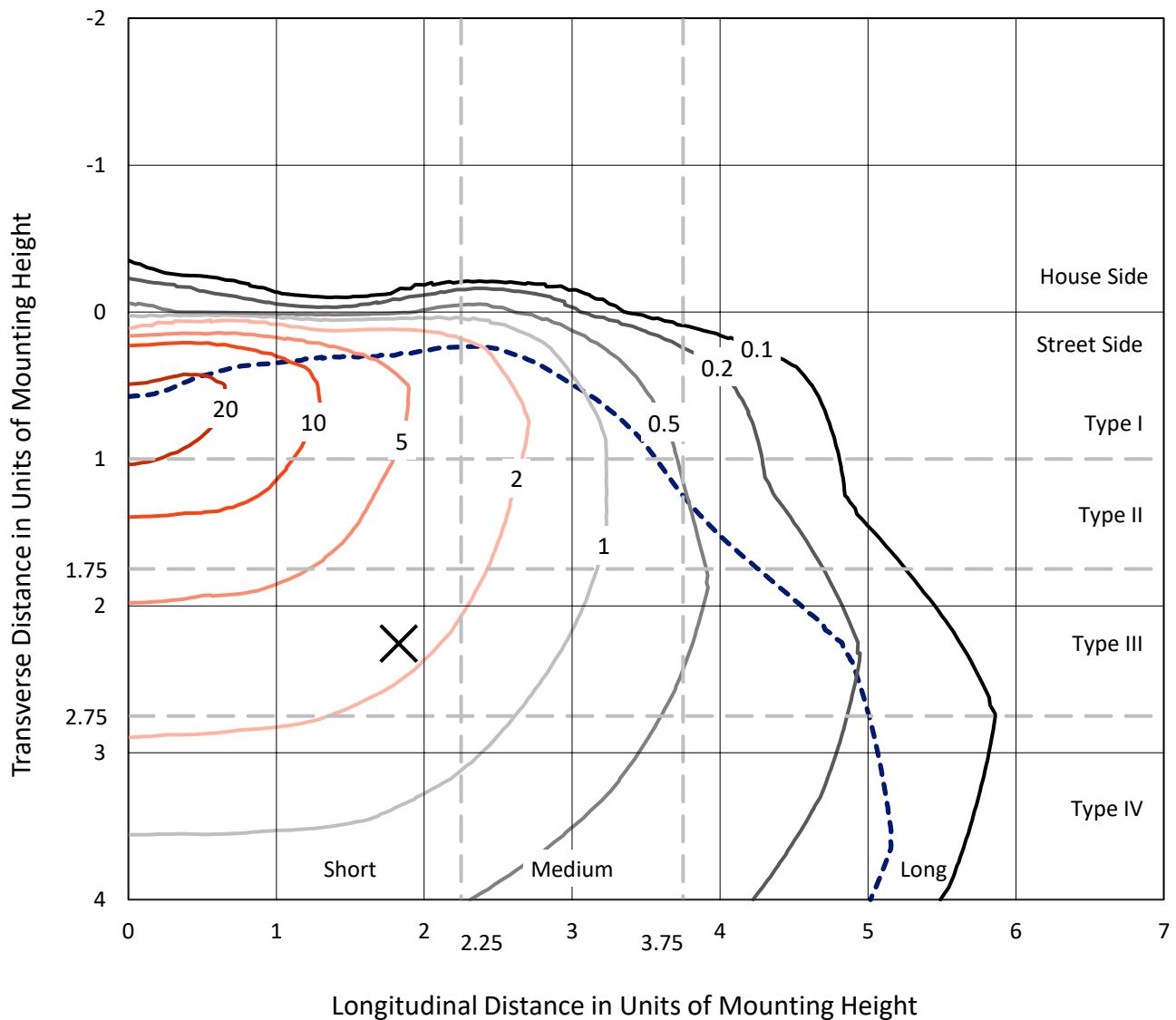


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CATALOG NUMBER: GALN-SA5C-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

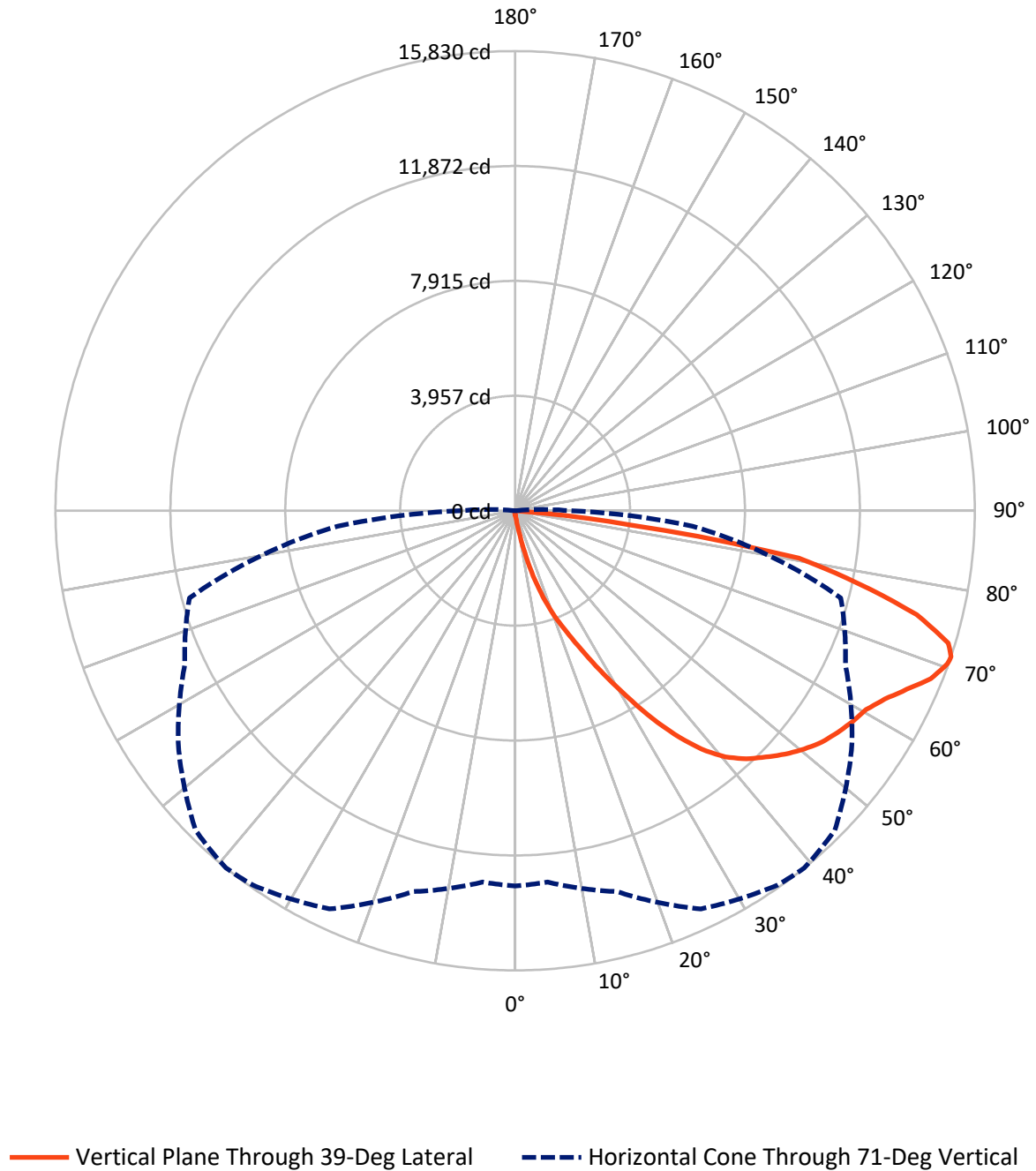


Based on 15 foot mounting height. Maximum calculated value = 25.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.6	0.0	89.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25133.2	0.0	25133.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	25222.8	0.0	25222.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	0.1
10°-20°	269.6	1.1
20°-30°	960.0	3.8
30°-40°	2313.8	9.2
40°-50°	3872.3	15.4
50°-60°	4973.5	19.7
60°-70°	6294.0	25.0
70°-80°	5611.4	22.2
80°-90°	907.0	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°	25222.8	100.0
0°-180°	25222.8	100.0



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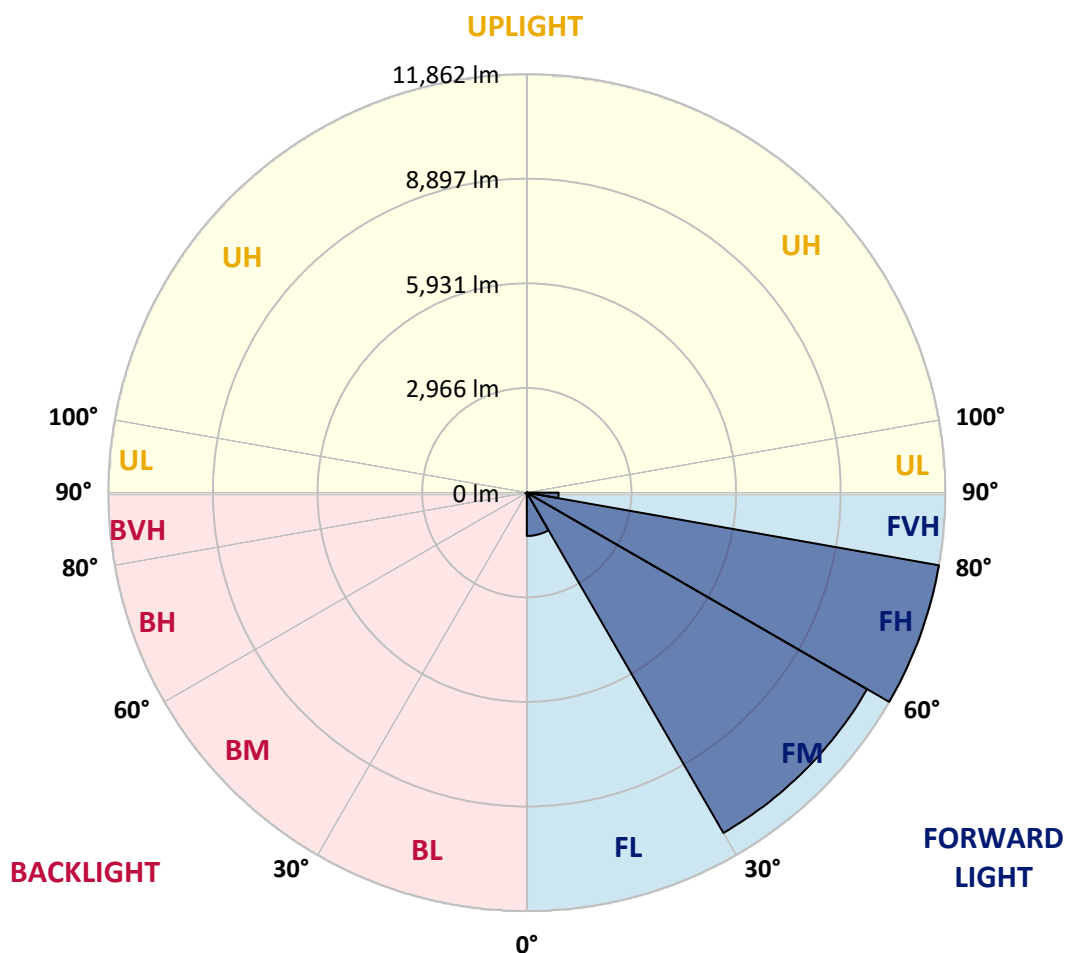
CATALOG NUMBER: GALN-SA5C-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1229.0	4.9			
FM	(30°-60°)	11138.9	44.2			
FH	(60°-80°)	11862.3	47.0			G4/12000
FVH	(80°-90°)	902.9	3.6			G5
BL	(0°-30°)	21.7	0.1	B0/110		
BM	(30°-60°)	20.7	0.1	B0/220		
BH	(60°-80°)	43.1	0.2	B0/110		G0/110
BVH	(80°-90°)	4.1	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3
2.5°	158.8	158.8	158.8	153.7	153.7	152.0	150.3	150.3	146.8	145.1	141.7
5°	240.8	235.6	223.7	216.8	203.2	194.6	186.1	174.2	162.2	153.7	143.4
7.5°	544.7	556.6	517.4	443.9	368.8	336.4	281.7	227.1	187.8	162.2	145.1
10°	1388.2	1381.3	1248.1	1101.3	850.3	749.6	587.4	370.5	242.5	177.6	146.8
12.5°	2361.4	2354.6	2197.5	1997.7	1666.5	1456.5	1149.1	691.5	348.3	201.5	146.8
15°	3179.3	3152.0	3102.4	2904.4	2516.8	2340.9	1934.5	1222.5	563.5	242.5	150.3
17.5°	3720.5	3696.6	3650.5	3578.8	3332.9	3124.6	2798.5	1920.9	911.8	314.2	157.1
20°	4217.4	4200.3	4162.8	4149.1	3990.3	3879.3	3609.5	2723.4	1420.6	426.9	167.3
22.5°	4900.4	4864.5	4879.9	4797.9	4642.6	4509.4	4343.7	3563.4	2042.1	614.7	186.1
25°	5737.0	5720.0	5677.3	5619.2	5404.1	5288.0	5033.6	4355.7	2737.0	860.6	206.6
27.5°	6747.8	6729.1	6718.8	6585.6	6338.0	6211.7	5856.5	5103.6	3519.1	1205.5	233.9
30°	7912.3	7920.9	7854.3	7683.5	7395.0	7217.4	6852.0	5887.3	4319.8	1610.1	262.9
32.5°	9117.8	9100.7	8998.3	8796.8	8539.0	8373.3	7908.9	6746.1	5159.9	2144.6	297.1
35°	10417.1	10384.7	10114.9	9884.4	9664.2	9455.9	9032.4	7743.3	6000.0	2743.9	343.2
37.5°	11728.5	11576.5	11035.2	10743.3	10591.3	10420.6	10026.1	8807.0	6834.9	3413.2	399.5
40°	12718.8	12601.0	11959.0	11421.1	11299.9	11154.8	10861.1	9725.6	7722.8	4132.0	467.8
42.5°	13266.9	13202.0	12624.9	12093.9	11808.7	11680.7	11429.7	10528.1	8600.4	4926.0	566.9
45°	13500.8	13400.1	13014.2	12766.6	12312.4	12100.7	11801.9	11134.3	9517.3	5827.5	705.2
47.5°	13429.1	13371.0	13094.4	13184.9	12855.4	12525.8	12087.0	11598.7	10301.0	6862.2	894.7
50°	12978.3	12928.8	12843.4	13333.5	13292.5	12903.2	12455.8	11965.8	10941.3	7929.4	1188.4
52.5°	12121.2	12100.7	12319.2	13217.4	13540.1	13236.1	12811.0	12290.2	11538.9	9044.4	1608.4
55°	11016.5	11100.1	11725.0	13036.4	13666.4	13482.0	13125.2	12594.1	12018.7	10041.5	2228.2
57.5°	10562.3	10584.5	11364.8	12908.3	13722.8	13698.9	13430.8	12884.4	12459.3	10838.9	3174.1
60°	11093.3	11059.1	11470.6	13005.6	13835.5	13893.5	13702.3	13154.2	12841.7	11523.6	4434.2
62.5°	12052.9	12034.1	12165.6	13420.5	14165.0	14282.8	14079.6	13348.8	13179.8	11974.3	5871.9
65°	12910.0	12870.7	13114.9	14156.5	14743.8	14827.5	14649.9	13681.8	13328.3	12302.2	7222.5
67.5°	13280.5	13272.0	13664.7	14856.5	15351.7	15442.2	15286.8	14141.1	13294.2	12406.3	7818.4
70°	13111.5	13079.1	13707.4	15153.6	15694.9	15797.3	15647.1	14311.8	12923.7	12076.8	6935.7
71°	12925.4	12838.3	13579.3	15133.1	15742.7	15829.8	15566.8	14156.5	12551.5	11608.9	6134.9
72.5°	12348.3	12363.6	13227.6	14919.7	15628.3	15602.7	15112.6	13599.8	12102.4	10546.9	4927.7
75°	10927.7	11018.2	12088.7	14023.3	14607.2	14281.1	13531.5	12536.1	11200.9	7562.3	3421.7
77.5°	8930.0	9064.8	10241.3	12298.8	12133.1	12100.7	12070.0	11045.5	9565.1	4062.0	2380.2
80°	4263.5	4555.5	6177.5	8779.7	9537.8	9904.9	9674.4	8900.9	7396.7	1934.5	1422.3
82.5°	278.3	274.9	389.3	737.6	3109.3	4019.3	6385.9	6362.0	5156.5	942.5	580.5
85°	131.5	134.9	148.5	169.0	196.4	215.1	297.1	1741.6	2467.3	449.1	126.4
87.5°	76.8	78.5	92.2	117.8	153.7	170.7	203.2	261.2	321.0	247.6	27.3
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-SA5C-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3
2.5°	140.0	138.3	133.2	128.1	122.9	119.5	117.8	119.5	119.5	121.2	121.2
5°	140.0	134.9	126.4	116.1	109.3	102.4	99.0	97.3	99.0	99.0	99.0
7.5°	138.3	129.8	117.8	105.9	97.3	88.8	85.4	83.7	83.7	85.4	85.4
10°	134.9	126.4	111.0	97.3	87.1	76.8	71.7	66.6	66.6	66.6	68.3
12.5°	133.2	121.2	102.4	88.8	75.1	63.2	52.9	47.8	49.5	49.5	49.5
15°	129.8	116.1	97.3	80.3	63.2	47.8	39.3	34.1	35.9	37.6	35.9
17.5°	129.8	114.4	90.5	70.0	49.5	35.9	29.0	25.6	25.6	27.3	27.3
20°	129.8	111.0	85.4	59.8	37.6	27.3	20.5	18.8	18.8	22.2	23.9
22.5°	133.2	111.0	78.5	49.5	30.7	20.5	15.4	13.7	15.4	18.8	20.5
25°	138.3	109.3	71.7	44.4	25.6	15.4	12.0	8.5	10.2	13.7	15.4
27.5°	143.4	107.6	64.9	39.3	20.5	12.0	8.5	6.8	5.1	6.8	6.8
30°	148.5	107.6	58.1	32.4	17.1	8.5	5.1	3.4	1.7	0.0	0.0
32.5°	152.0	104.2	52.9	25.6	13.7	6.8	3.4	1.7	0.0	0.0	0.0
35°	155.4	100.7	46.1	20.5	10.2	5.1	1.7	0.0	0.0	0.0	0.0
37.5°	158.8	95.6	39.3	17.1	8.5	3.4	0.0	0.0	0.0	0.0	0.0
40°	162.2	88.8	32.4	15.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	165.6	83.7	27.3	12.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	174.2	80.3	22.2	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	189.5	76.8	20.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	211.7	73.4	18.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	242.5	71.7	17.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	297.1	70.0	15.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	391.0	68.3	15.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	599.3	64.9	15.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1070.6	63.2	13.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1866.2	64.9	13.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2675.6	68.3	12.0	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	2289.7	59.8	12.0	6.8	3.4	1.7	0.0	0.0	0.0	0.0	0.0
71°	1866.2	52.9	12.0	6.8	3.4	1.7	1.7	0.0	0.0	0.0	0.0
72.5°	1200.3	41.0	10.2	6.8	3.4	3.4	1.7	0.0	0.0	0.0	0.0
75°	507.1	34.1	10.2	6.8	5.1	3.4	3.4	1.7	0.0	0.0	0.0
77.5°	216.8	25.6	10.2	8.5	6.8	5.1	5.1	3.4	1.7	0.0	0.0
80°	82.0	20.5	12.0	10.2	8.5	8.5	6.8	3.4	1.7	0.0	0.0
82.5°	37.6	17.1	12.0	10.2	10.2	8.5	6.8	5.1	3.4	0.0	0.0
85°	23.9	15.4	12.0	10.2	10.2	8.5	8.5	5.1	3.4	0.0	0.0
87.5°	18.8	15.4	12.0	12.0	10.2	10.2	6.8	5.1	1.7	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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

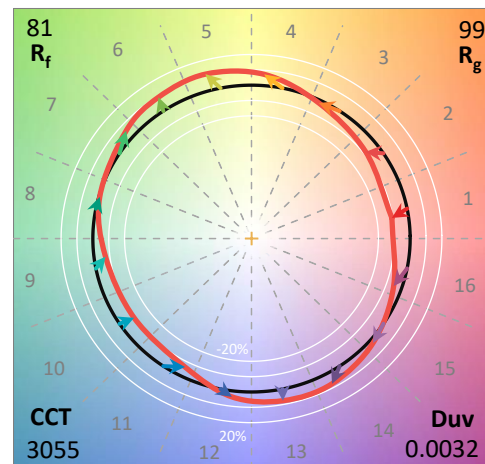
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

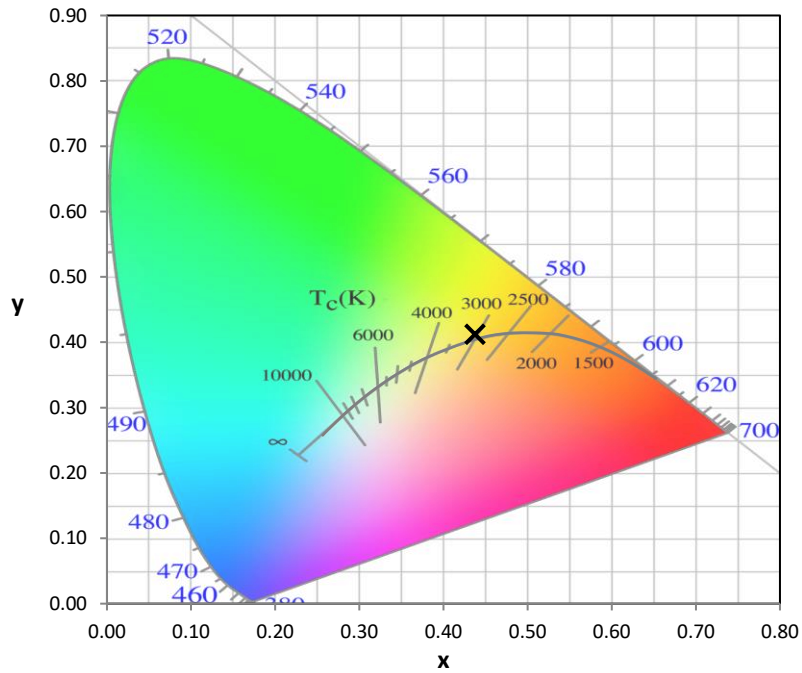
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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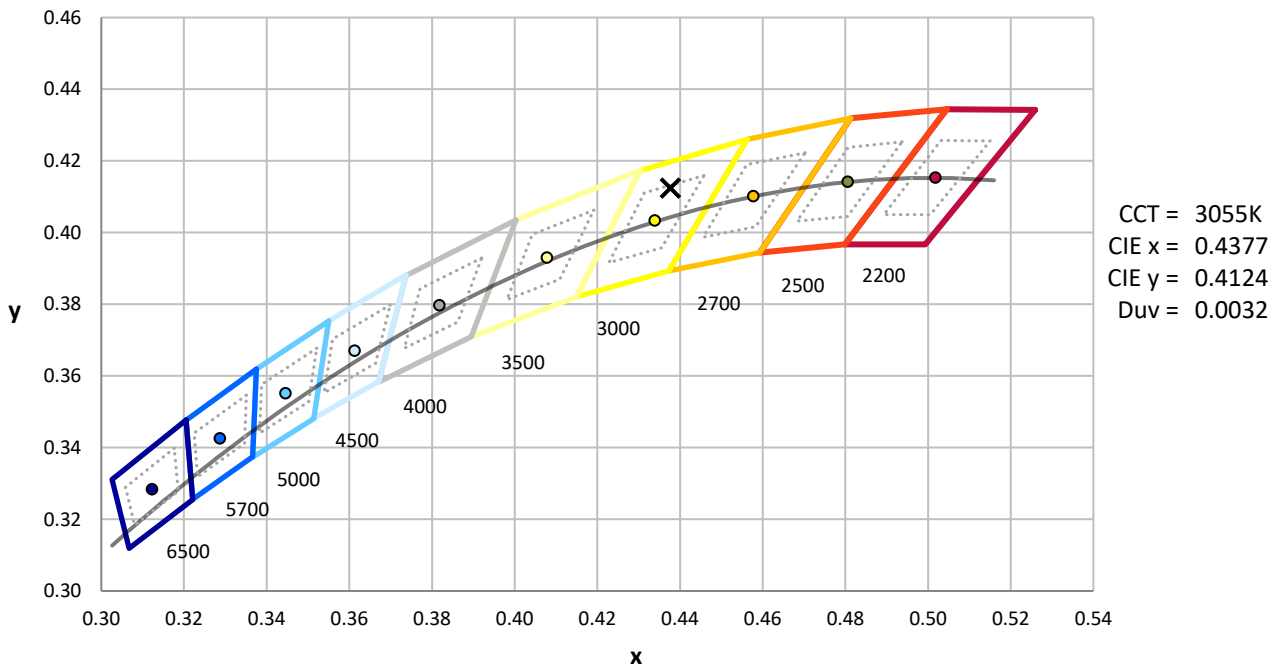
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



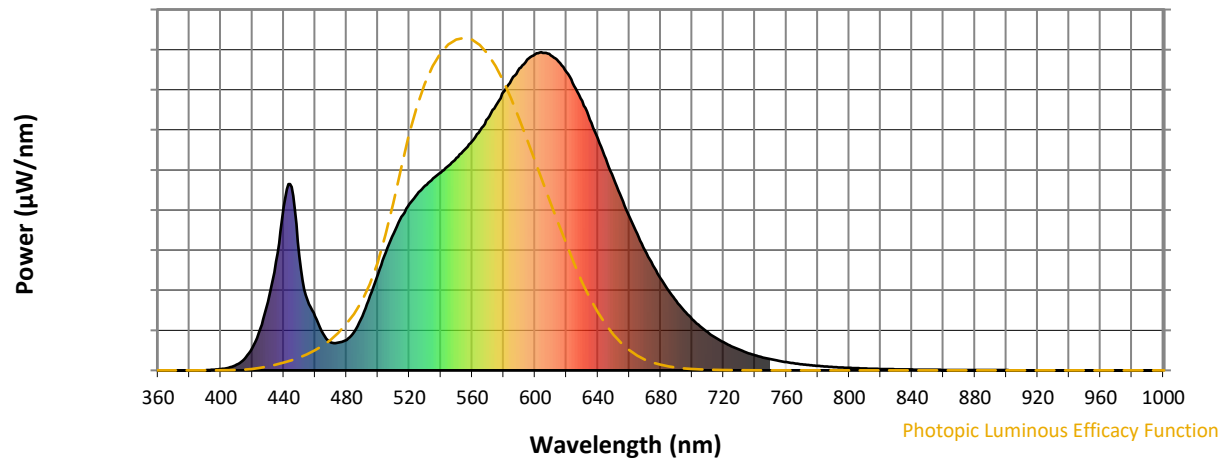
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

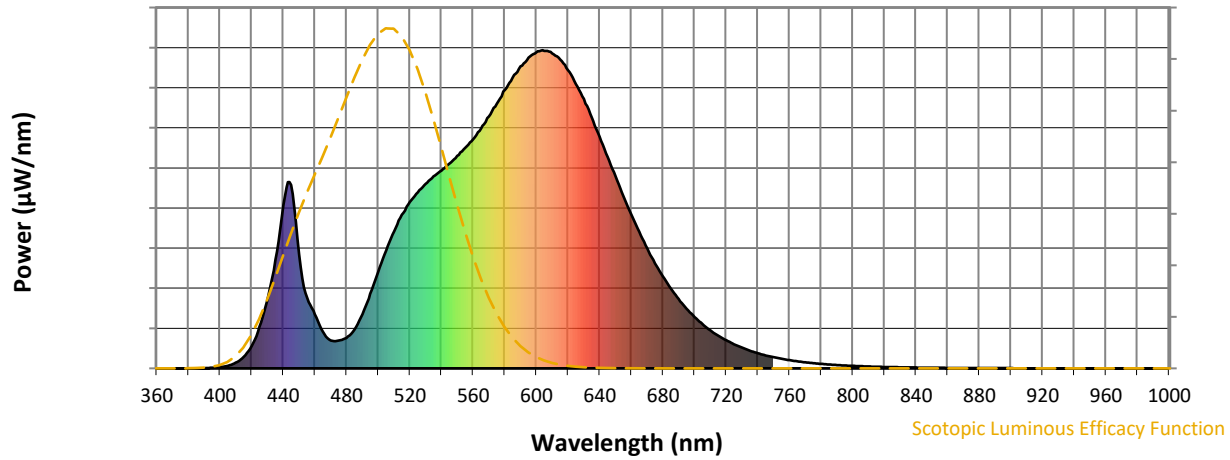


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



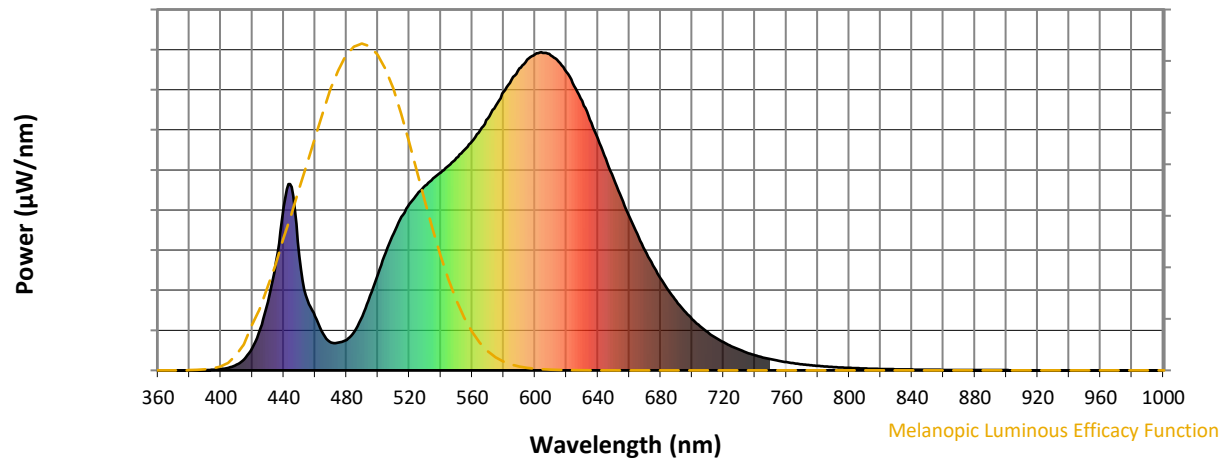
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

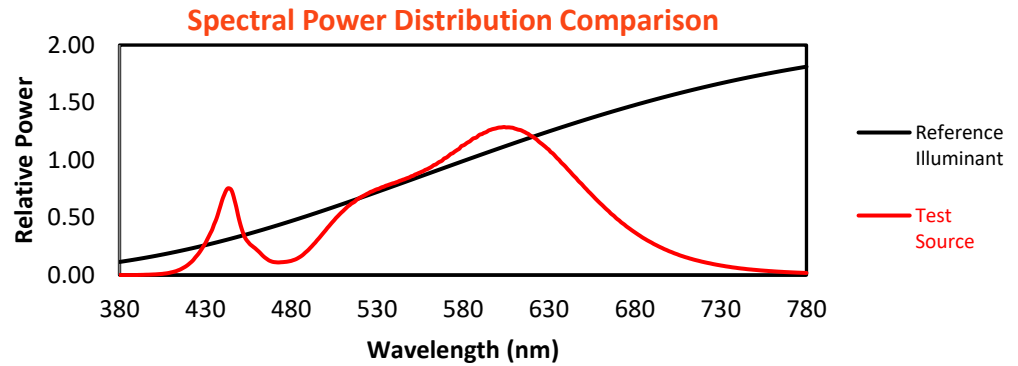
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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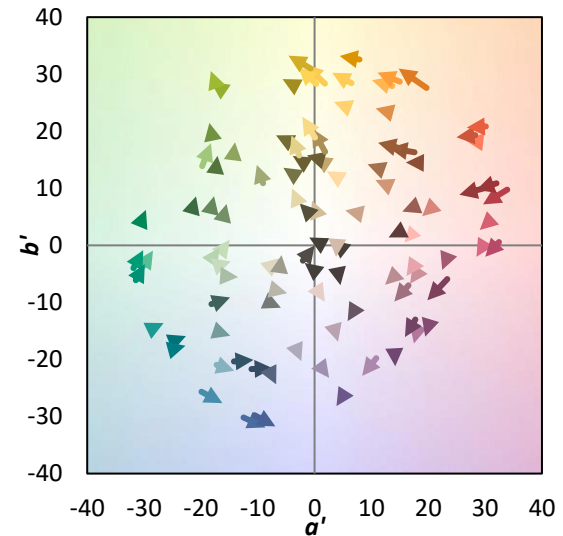
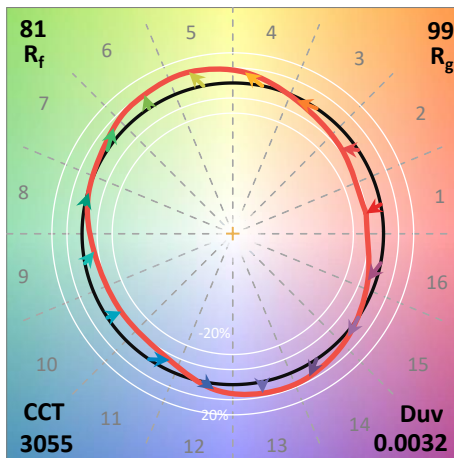
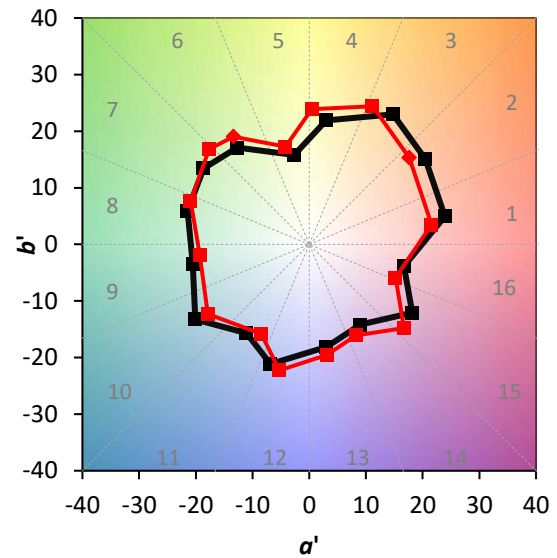
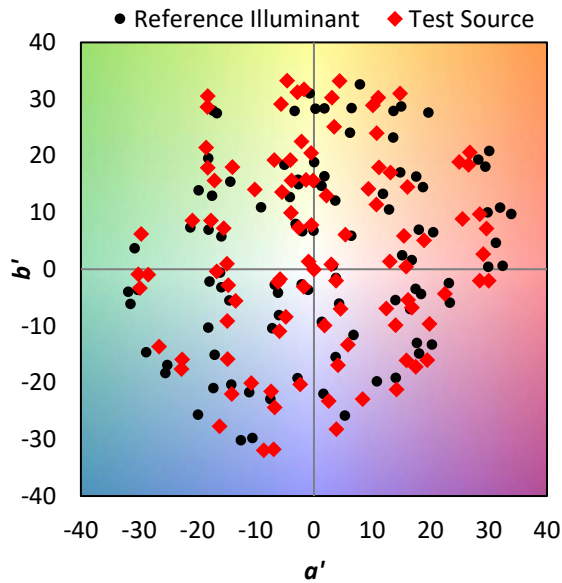
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

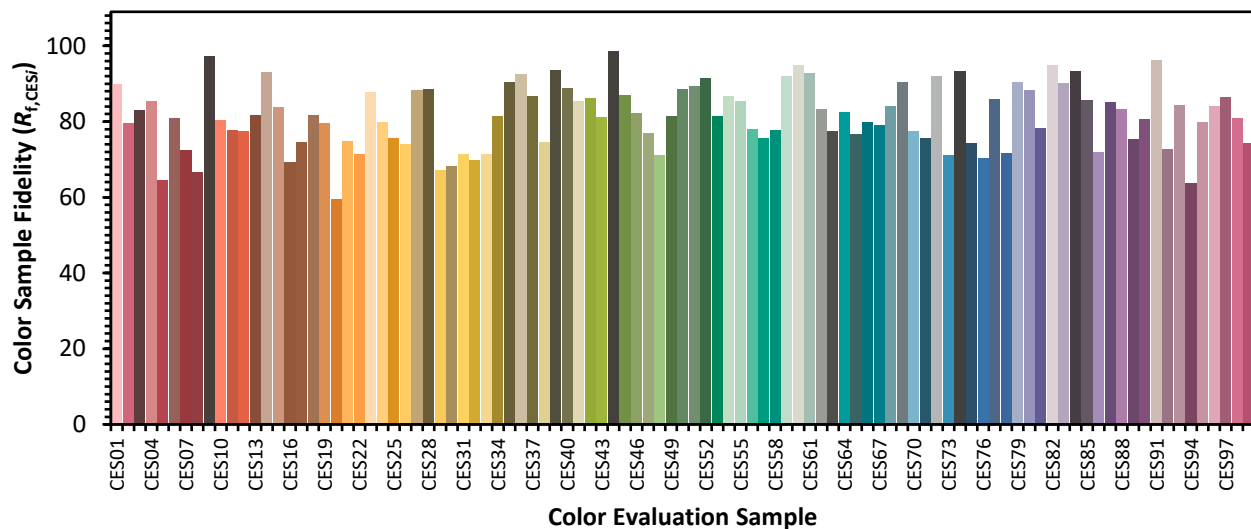


Color Vector Graphics

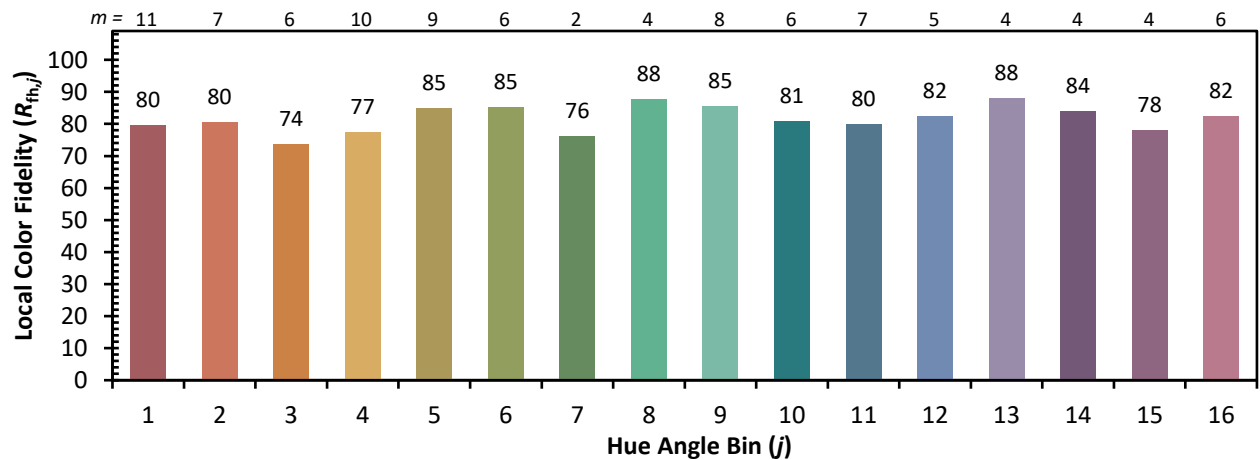
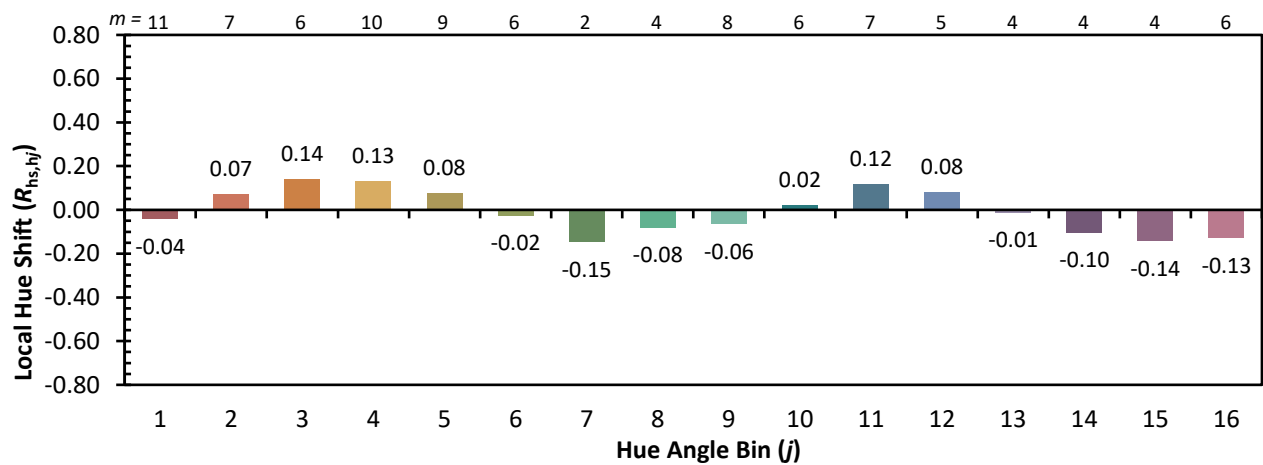
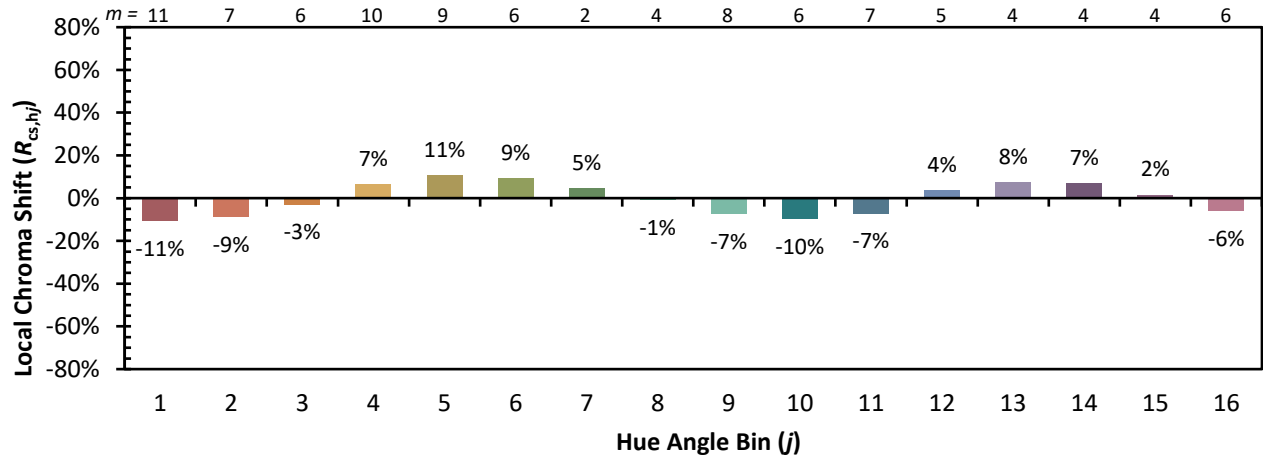


Individual Sample Fidelity Index ($R_{f,i}$)

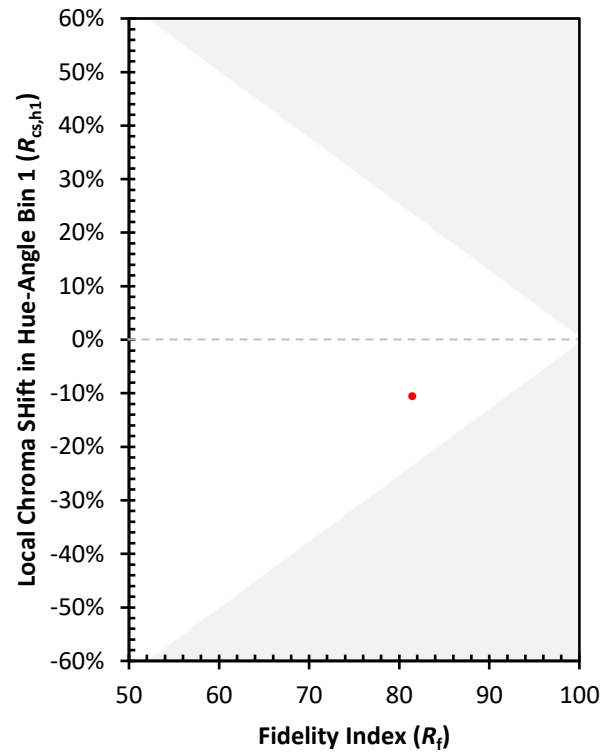
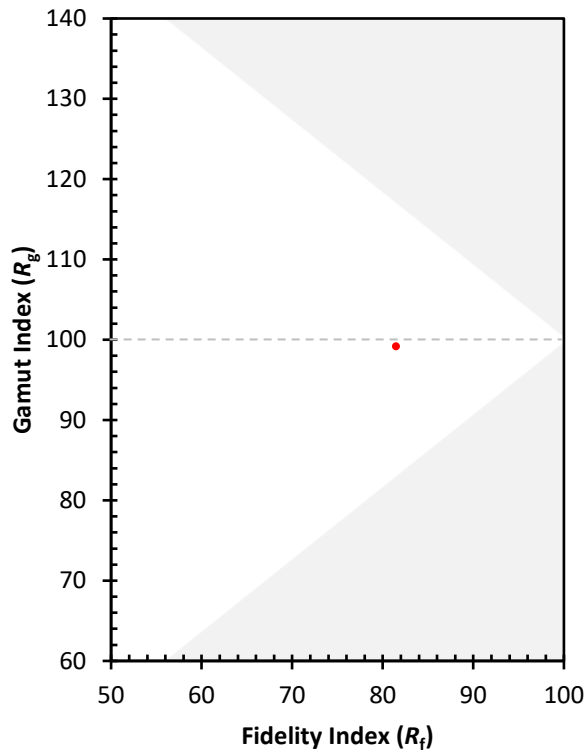
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)