

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: P1047314

Luminaire Tested: **GALN-SA4B-830-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047314
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-830-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16978.3 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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



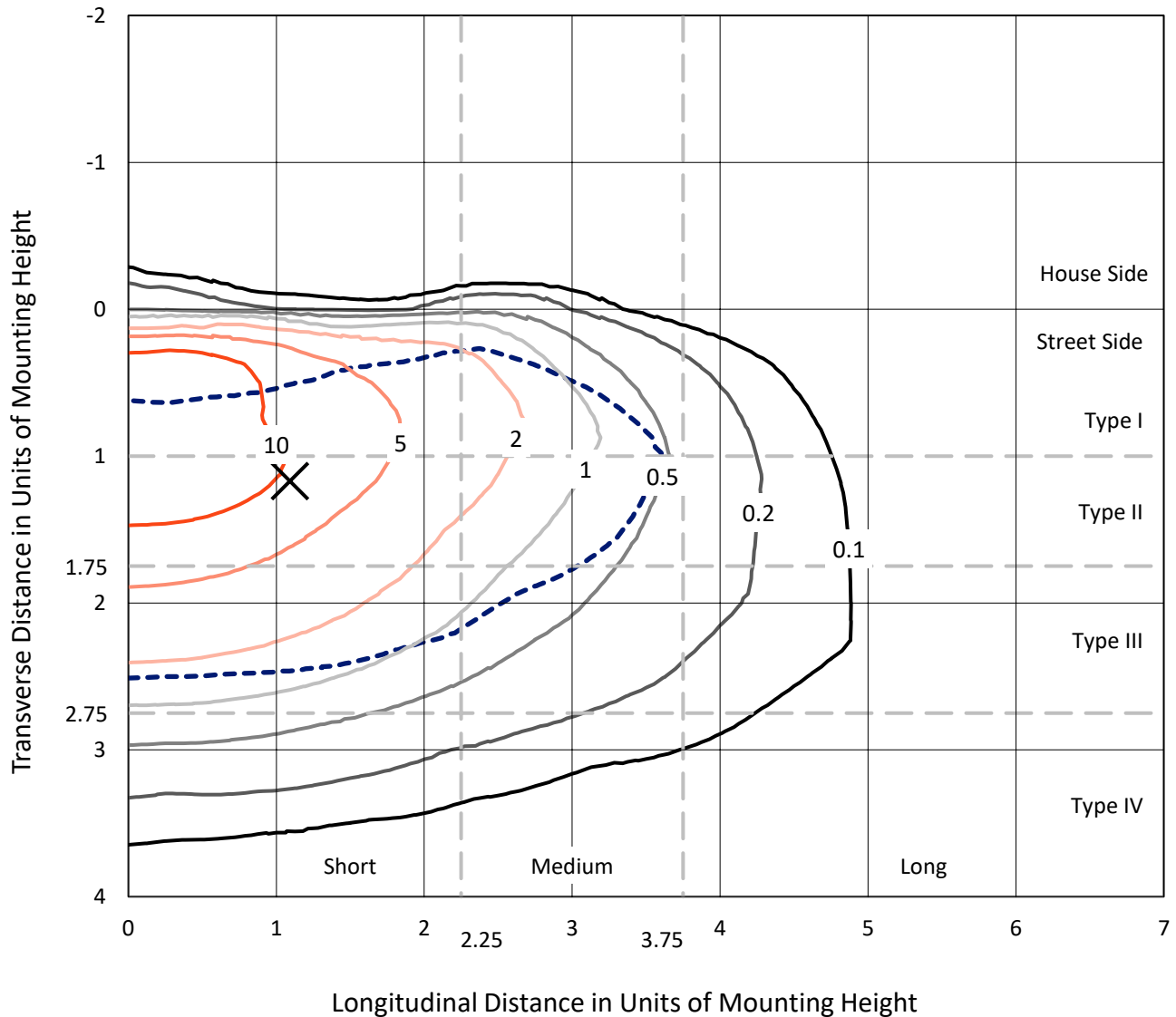
REPORT NUMBER: P1047314

CATALOG NUMBER: GALN-SA4B-830-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

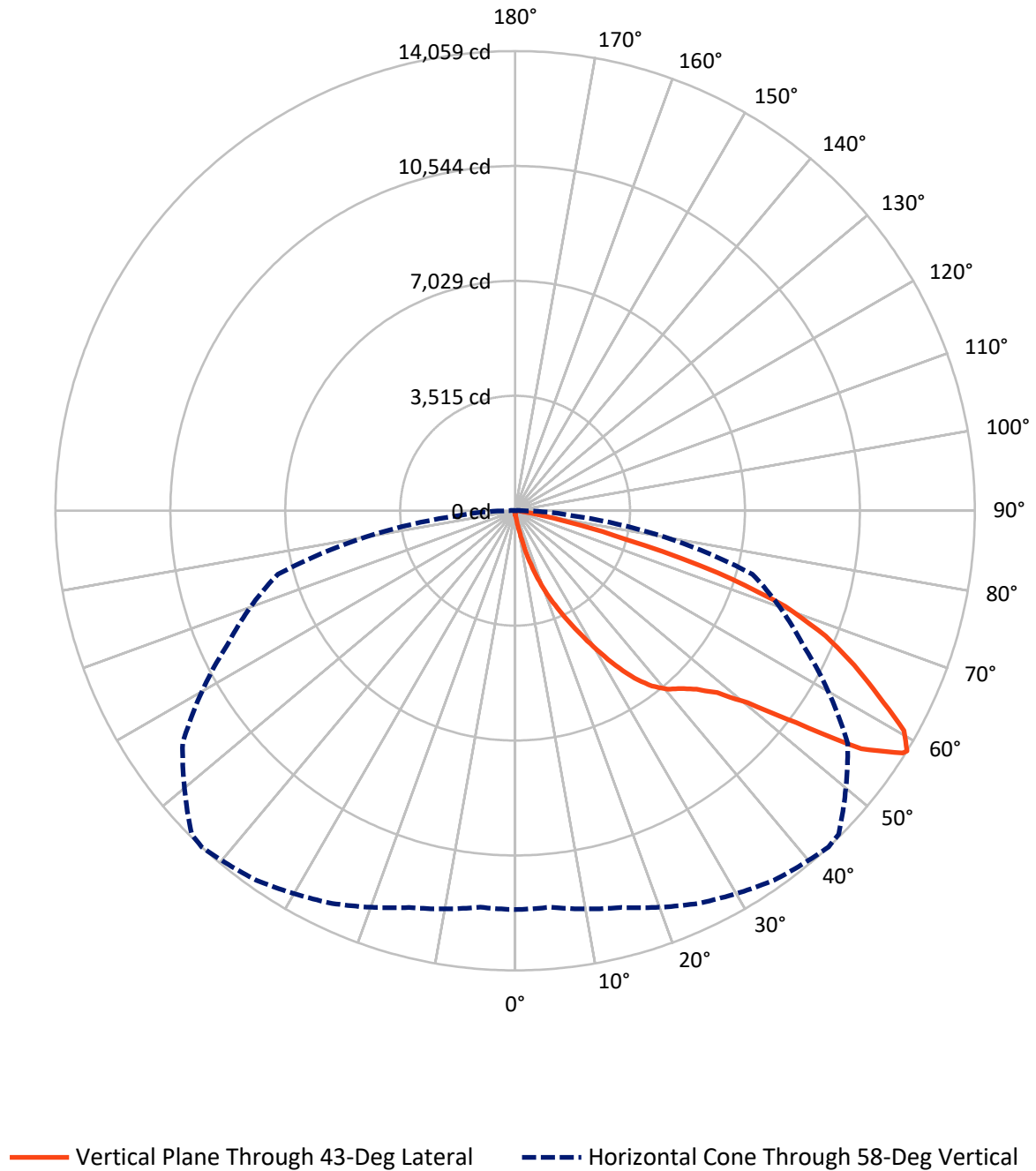


Based on 15 foot mounting height. Maximum calculated value = 19.1 fc
 Type III - Short - N/A

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CATALOG NUMBER: GALN-SA4B-830-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	62.0	0.0	62.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16916.3	0.0	16916.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	16978.3	0.0	16978.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.1
10°-20°	195.2	1.1
20°-30°	703.4	4.1
30°-40°	1609.4	9.5
40°-50°	2714.5	16.0
50°-60°	4479.6	26.4
60°-70°	5006.5	29.5
70°-80°	2067.1	12.2
80°-90°	186.3	1.1
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°	16978.3	100.0
0°-180°	16978.3	100.0



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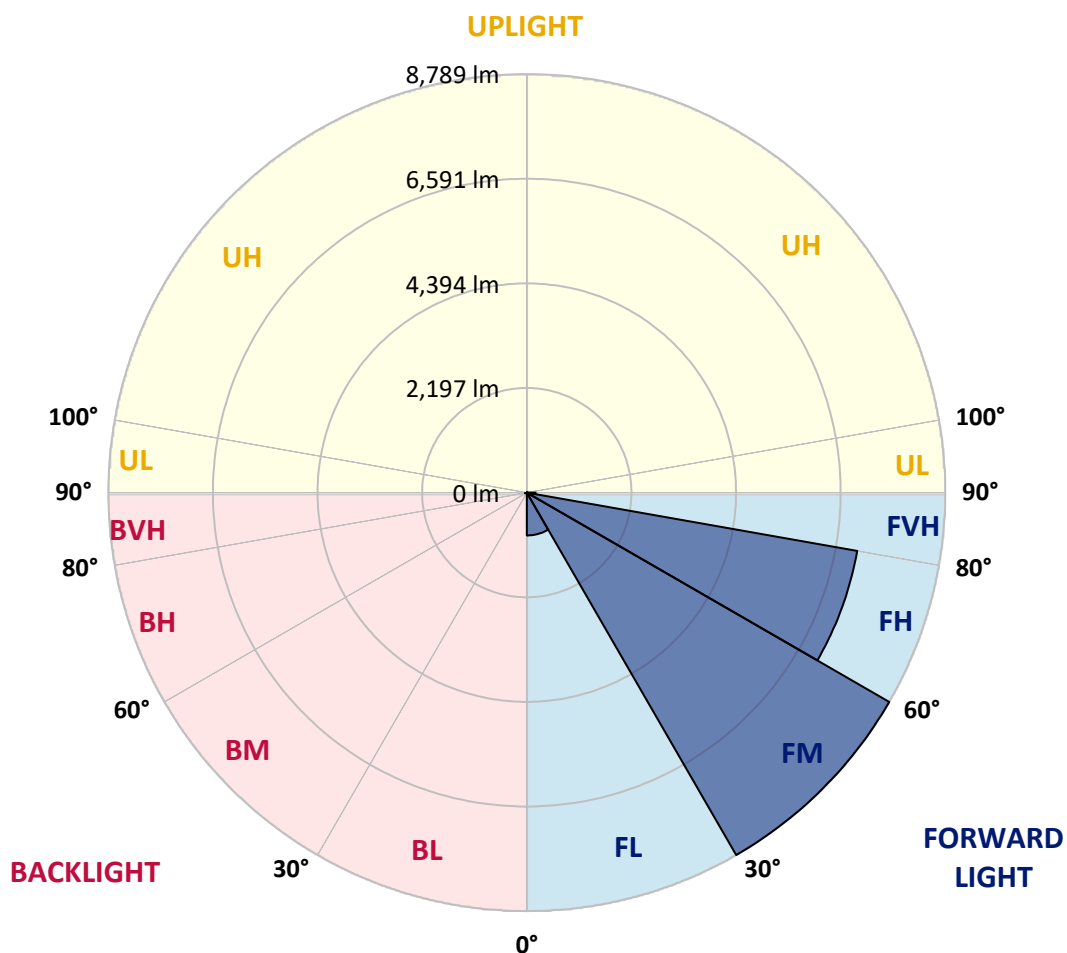
CATALOG NUMBER: GALN-SA4B-830-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	898.7	5.3			
FM	(30°-60°)	8788.6	51.8			
FH	(60°-80°)	7045.2	41.5			G3/7500
FVH	(80°-90°)	183.8	1.1			G2/225
BL	(0°-30°)	16.2	0.1	B0/110		
BM	(30°-60°)	14.9	0.1	B0/220		
BH	(60°-80°)	28.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	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-G3

Type III Short



REPORT NUMBER: P1047314

CATALOG NUMBER: GALN-SA4B-830-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	133.2	137.7	133.2	133.2	133.2	128.8	128.8	124.3	124.3	119.9	115.5
5°	195.4	195.4	182.1	173.2	164.3	159.9	155.4	146.5	137.7	128.8	119.9
7.5°	435.2	435.2	395.2	341.9	270.9	230.9	222.0	182.1	155.4	137.7	119.9
10°	1039.1	1039.1	950.3	803.7	621.7	461.8	413.0	262.0	186.5	146.5	124.3
12.5°	1727.4	1749.6	1638.6	1452.1	1181.2	901.4	803.7	479.6	248.7	159.9	124.3
15°	2344.6	2291.3	2260.2	2082.6	1825.1	1492.0	1367.7	808.2	359.7	182.1	124.3
17.5°	2762.0	2762.0	2717.6	2597.7	2362.4	2069.3	1967.2	1305.5	581.7	208.7	128.8
20°	3250.5	3250.5	3170.5	3086.2	2877.5	2628.8	2531.1	1856.1	901.4	266.4	128.8
22.5°	3841.1	3849.9	3761.1	3610.1	3410.3	3135.0	3050.6	2366.8	1305.5	355.2	133.2
25°	4560.4	4569.3	4440.5	4298.4	3992.0	3694.5	3565.7	2952.9	1798.4	497.3	133.2
27.5°	5355.3	5417.4	5226.5	4982.3	4658.1	4285.1	4187.4	3481.4	2286.9	701.6	142.1
30°	6345.5	6345.5	6092.4	5750.5	5399.7	4937.9	4813.5	4036.4	2806.4	972.5	151.0
32.5°	7198.1	7131.5	6807.3	6447.6	6074.6	5643.9	5510.7	4618.1	3339.3	1310.0	168.7
35°	7850.8	7793.1	7393.5	7007.1	6683.0	6287.8	6127.9	5248.7	3903.2	1691.8	195.4
37.5°	8410.3	8388.1	7846.4	7362.4	7149.2	6802.9	6660.8	5843.7	4458.3	2104.8	226.5
40°	9023.1	8952.1	8374.8	7775.4	7455.6	7175.9	7047.1	6323.3	4991.1	2588.8	270.9
42.5°	9547.1	9462.8	8943.2	8357.1	7810.9	7433.4	7309.1	6727.4	5510.7	3072.8	328.6
45°	10128.8	10084.4	9560.4	9116.4	8388.1	7784.2	7619.9	7051.5	5985.8	3650.1	404.1
47.5°	11003.6	10923.7	10435.2	10071.1	9227.4	8317.1	8081.7	7384.6	6443.2	4218.5	519.5
50°	12020.5	11967.2	11678.6	11389.9	10550.7	9227.4	8947.6	7864.2	6953.9	4893.5	670.5
52.5°	12850.9	12842.0	12877.5	12882.0	12247.0	10759.4	10342.0	8636.8	7540.0	5559.5	883.7
55°	12833.1	12873.1	13263.8	13712.3	13761.2	12850.9	12446.8	9937.9	8303.8	6381.0	1181.2
57.5°	12353.5	12322.4	12735.4	13410.4	13885.5	13983.2	13916.6	11958.3	9453.9	7371.3	1638.6
58°	12198.1	12171.5	12562.2	13250.5	13796.7	14058.7	13992.1	12415.7	9711.4	7513.4	1762.9
60°	11634.2	11638.6	11869.5	12495.6	13041.8	13663.5	13725.7	13721.2	10994.7	8463.6	2389.0
62.5°	10888.2	10852.6	11065.8	11576.4	12056.0	12473.4	12580.0	13810.0	12873.1	9671.5	3583.5
65°	9858.0	9804.7	10031.1	10608.4	11123.5	11394.4	11398.8	12620.0	13756.7	10968.1	5288.7
67.5°	7944.1	7899.7	8352.6	9094.2	9889.0	10244.3	10404.1	10950.3	13010.7	11847.3	6265.6
70°	4866.8	4960.1	5590.6	6754.0	8112.8	8765.6	9005.4	9174.1	11079.1	11714.1	5239.8
72.5°	2246.9	2135.9	2673.2	3485.8	5035.6	6487.6	6736.3	7397.9	8783.4	10168.8	3907.7
75°	1048.0	1008.0	1132.3	1523.1	2282.4	3503.6	3956.5	5905.9	6736.3	7073.7	2819.7
77.5°	537.3	541.7	643.9	692.7	941.4	1620.8	1860.6	3885.5	4937.9	3947.6	1891.7
80°	235.3	244.2	248.7	270.9	381.9	626.1	706.0	1802.9	3374.8	2011.6	1034.6
82.5°	151.0	155.4	155.4	155.4	182.1	248.7	284.2	723.8	1683.0	999.1	319.7
85°	79.9	79.9	88.8	111.0	128.8	151.0	159.9	230.9	555.1	297.5	75.5
87.5°	44.4	48.8	53.3	66.6	84.4	102.1	111.0	159.9	213.1	204.3	17.8
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-SA4B-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	115.5	111.0	106.6	102.1	97.7	93.3	93.3	93.3	93.3	93.3	93.3
5°	111.0	106.6	102.1	93.3	84.4	79.9	75.5	71.0	71.0	71.0	71.0
7.5°	111.0	106.6	93.3	84.4	75.5	66.6	57.7	57.7	57.7	57.7	57.7
10°	111.0	102.1	88.8	75.5	62.2	53.3	48.8	44.4	44.4	44.4	44.4
12.5°	111.0	97.7	84.4	66.6	53.3	44.4	40.0	35.5	35.5	35.5	35.5
15°	111.0	97.7	79.9	62.2	48.8	35.5	31.1	26.6	26.6	26.6	26.6
17.5°	106.6	93.3	75.5	53.3	40.0	26.6	22.2	17.8	17.8	22.2	22.2
20°	102.1	88.8	66.6	44.4	31.1	22.2	13.3	13.3	13.3	13.3	13.3
22.5°	102.1	88.8	62.2	40.0	26.6	13.3	8.9	8.9	8.9	8.9	13.3
25°	102.1	84.4	53.3	31.1	17.8	8.9	4.4	4.4	4.4	4.4	4.4
27.5°	102.1	84.4	48.8	26.6	13.3	8.9	4.4	0.0	0.0	0.0	0.0
30°	97.7	79.9	44.4	22.2	8.9	4.4	0.0	0.0	0.0	0.0	0.0
32.5°	97.7	75.5	35.5	17.8	8.9	4.4	0.0	0.0	0.0	0.0	0.0
35°	102.1	71.0	31.1	13.3	4.4	0.0	0.0	0.0	0.0	0.0	4.4
37.5°	106.6	66.6	26.6	8.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	111.0	62.2	26.6	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	119.9	62.2	22.2	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	128.8	62.2	17.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	146.5	66.6	17.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	159.9	71.0	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	177.6	66.6	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	199.8	66.6	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	217.6	62.2	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	226.5	57.7	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	270.9	53.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	421.8	44.4	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	857.0	40.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1598.6	35.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1789.5	40.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1127.9	31.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	595.0	31.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	297.5	31.1	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	137.7	22.2	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	57.7	13.3	8.9	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.6	13.3	8.9	8.9	4.4	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	13.3	13.3	13.3	8.9	8.9	4.4	4.4	0.0	0.0	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

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



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

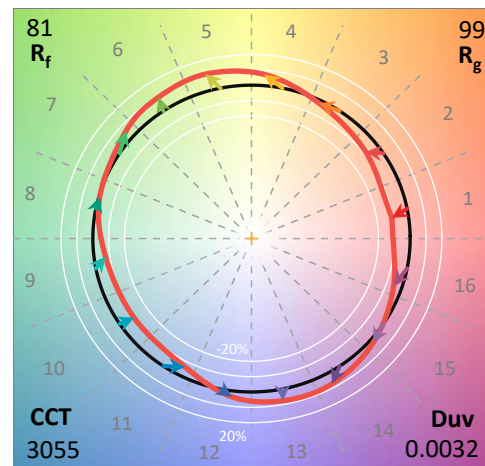
Test Information

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

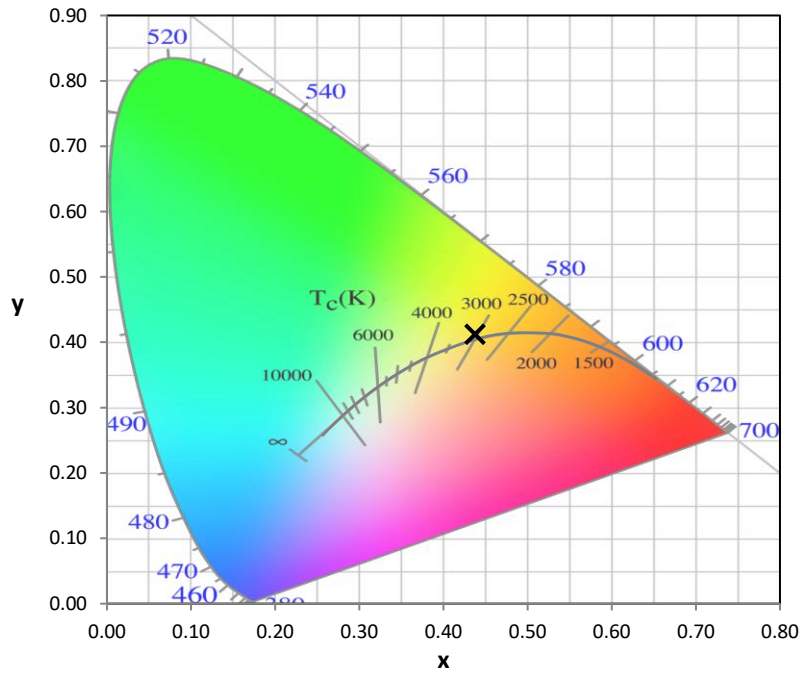
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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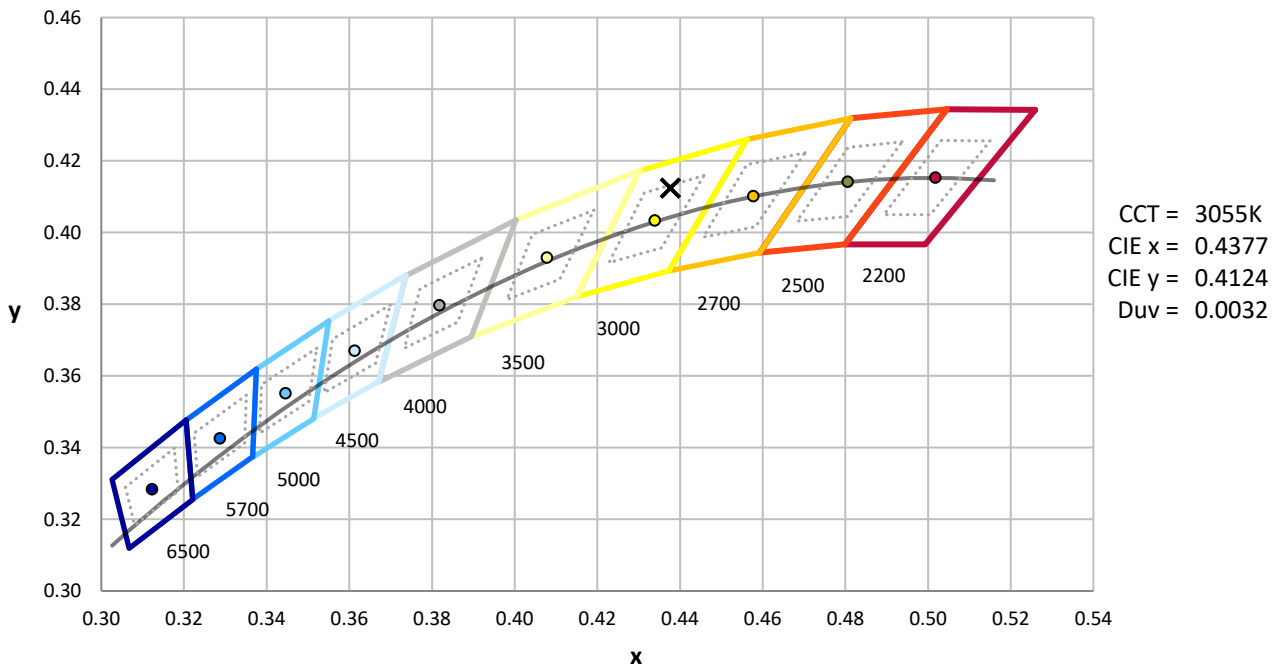
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



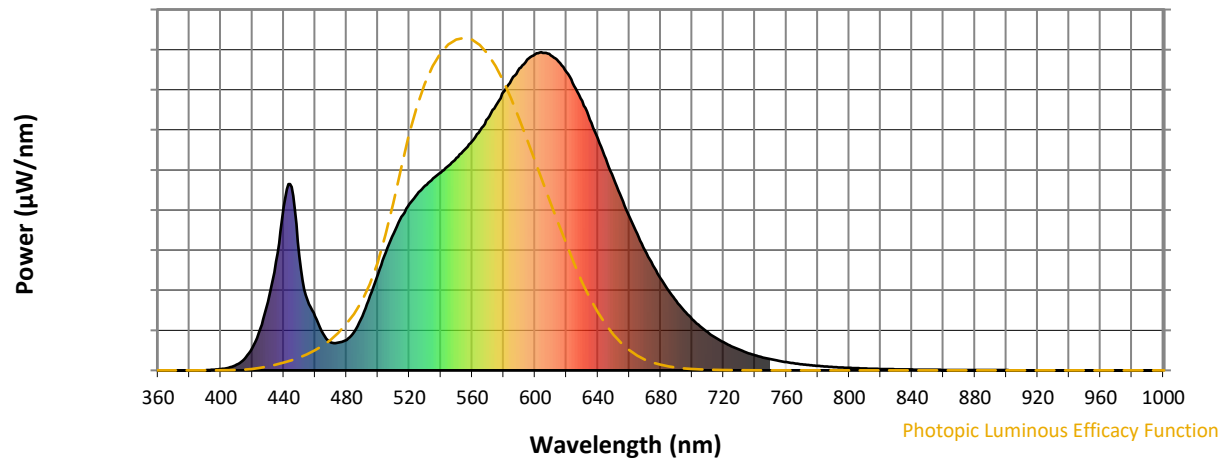
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

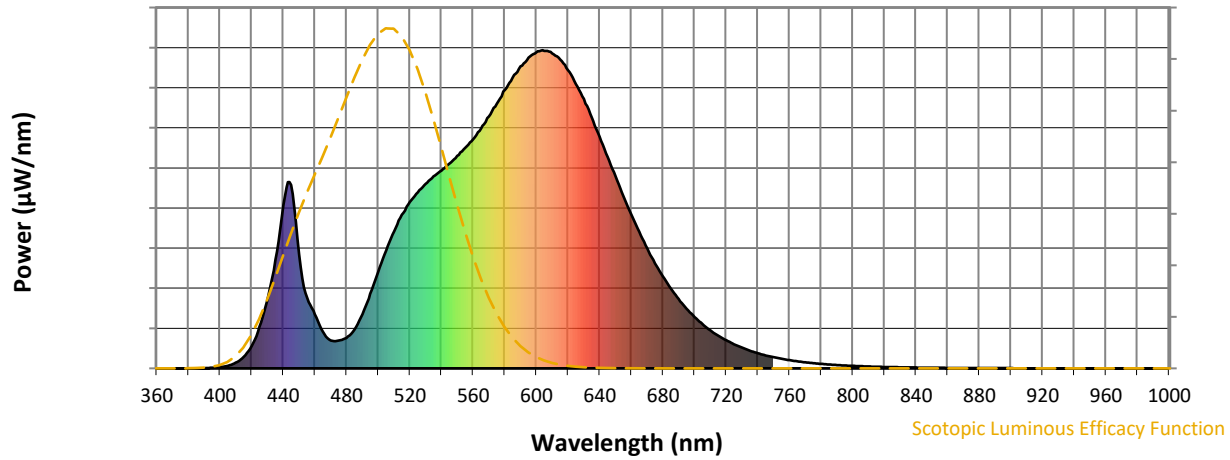


Photopic Lumens: NR

λ (nm)	Power W ^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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Scotopic Flux vs. Wavelength



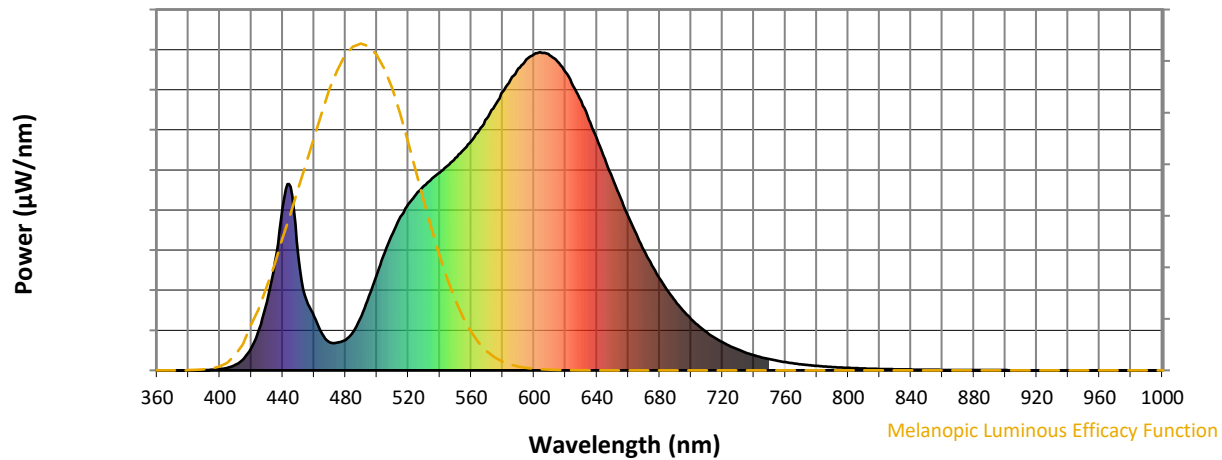
Scotopic Lumens: NR

S/P: 1.28

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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

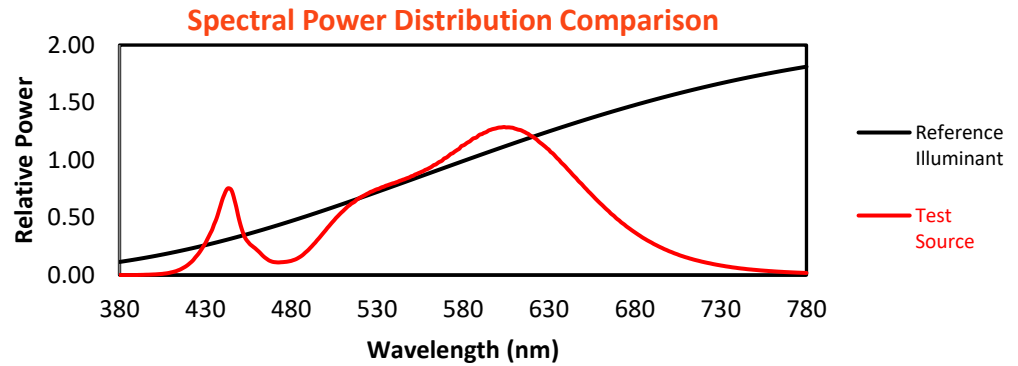
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	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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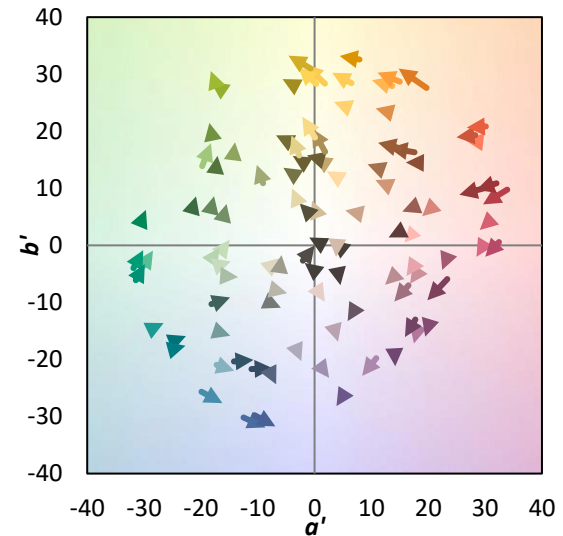
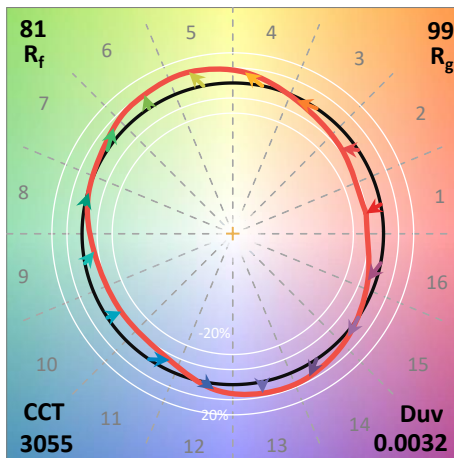
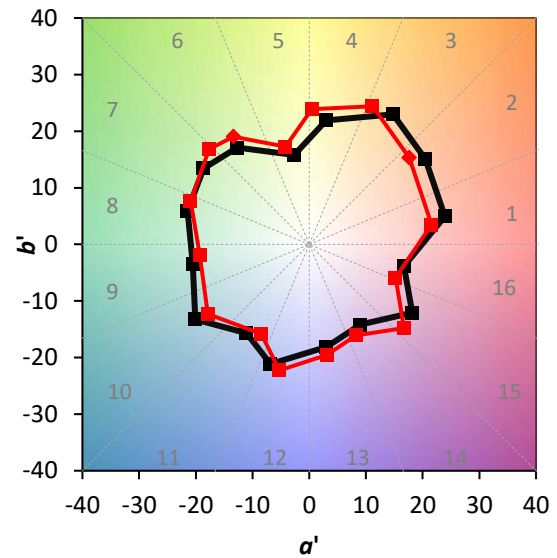
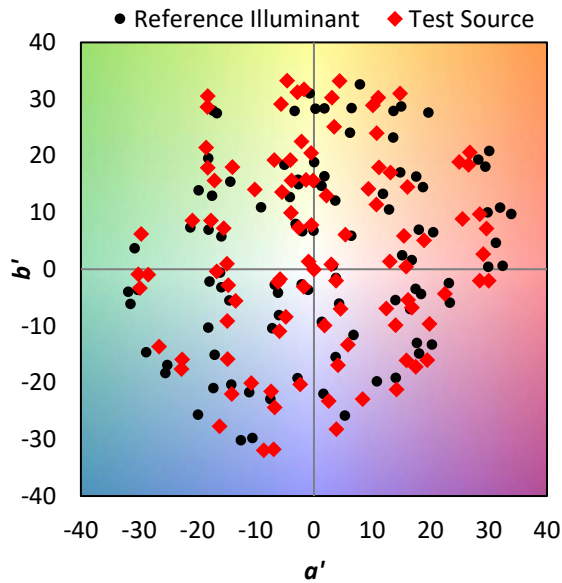
TM-30-18

Summary

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

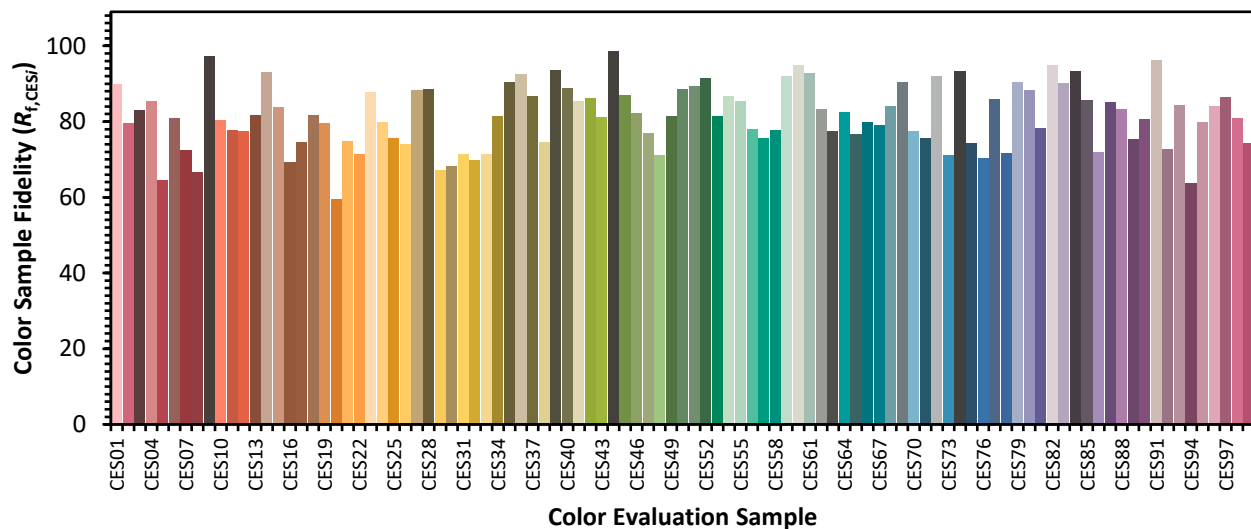


Color Vector Graphics

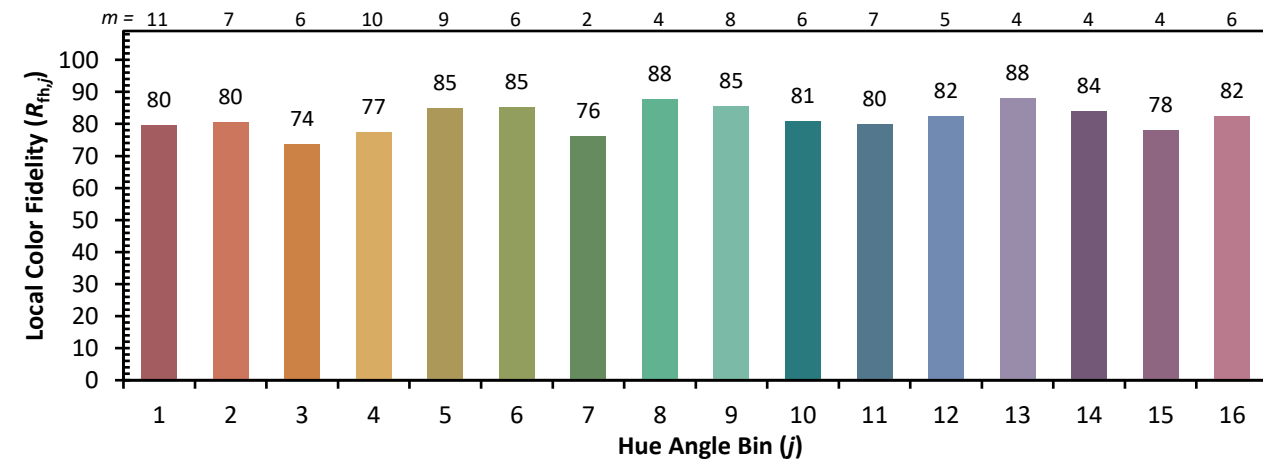
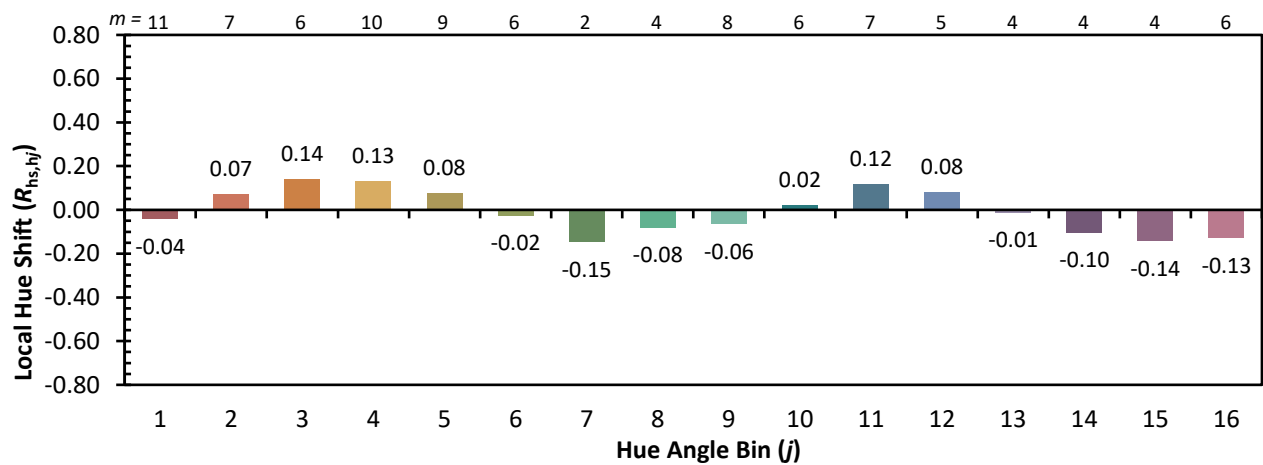
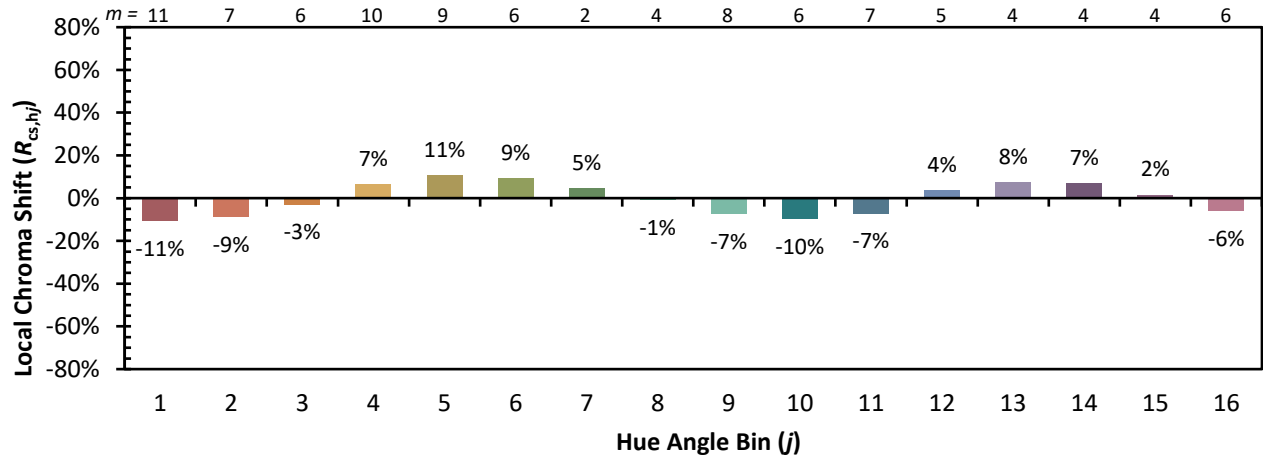


Individual Sample Fidelity Index ($R_{f,i}$)

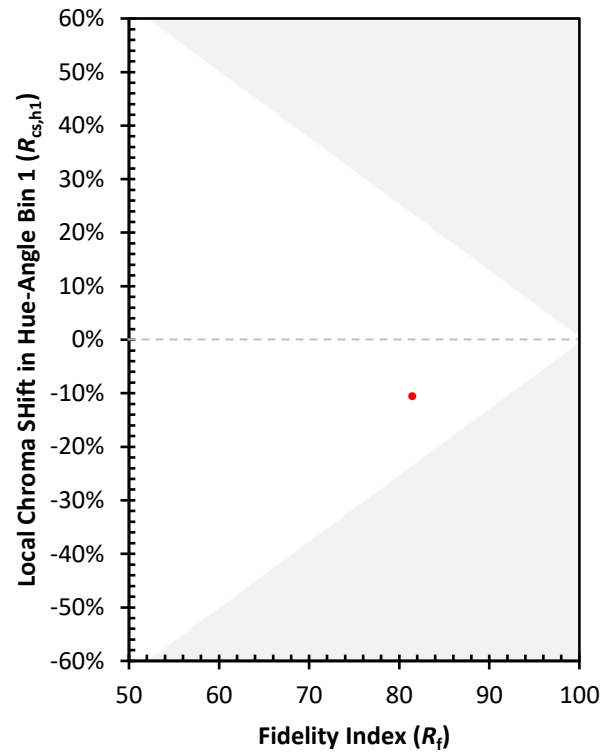
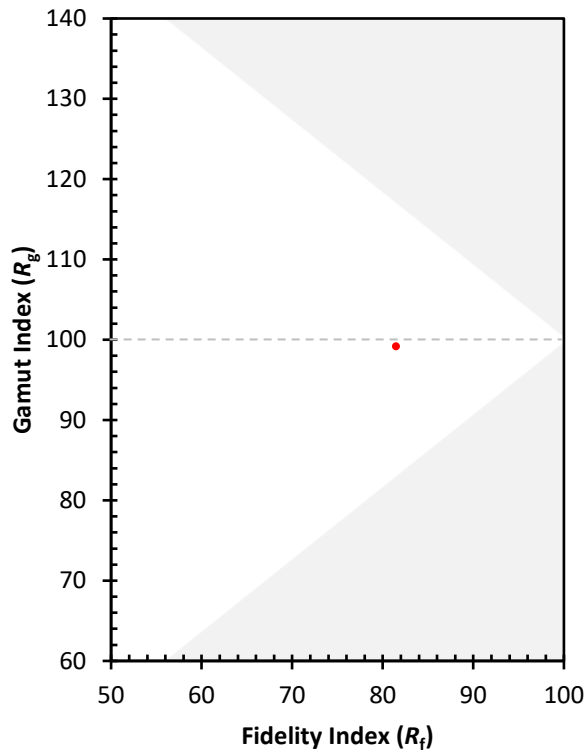
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)