

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: P1047926

Luminaire Tested: **GALN-SA4B-830-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047926
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-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16156.8 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - 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

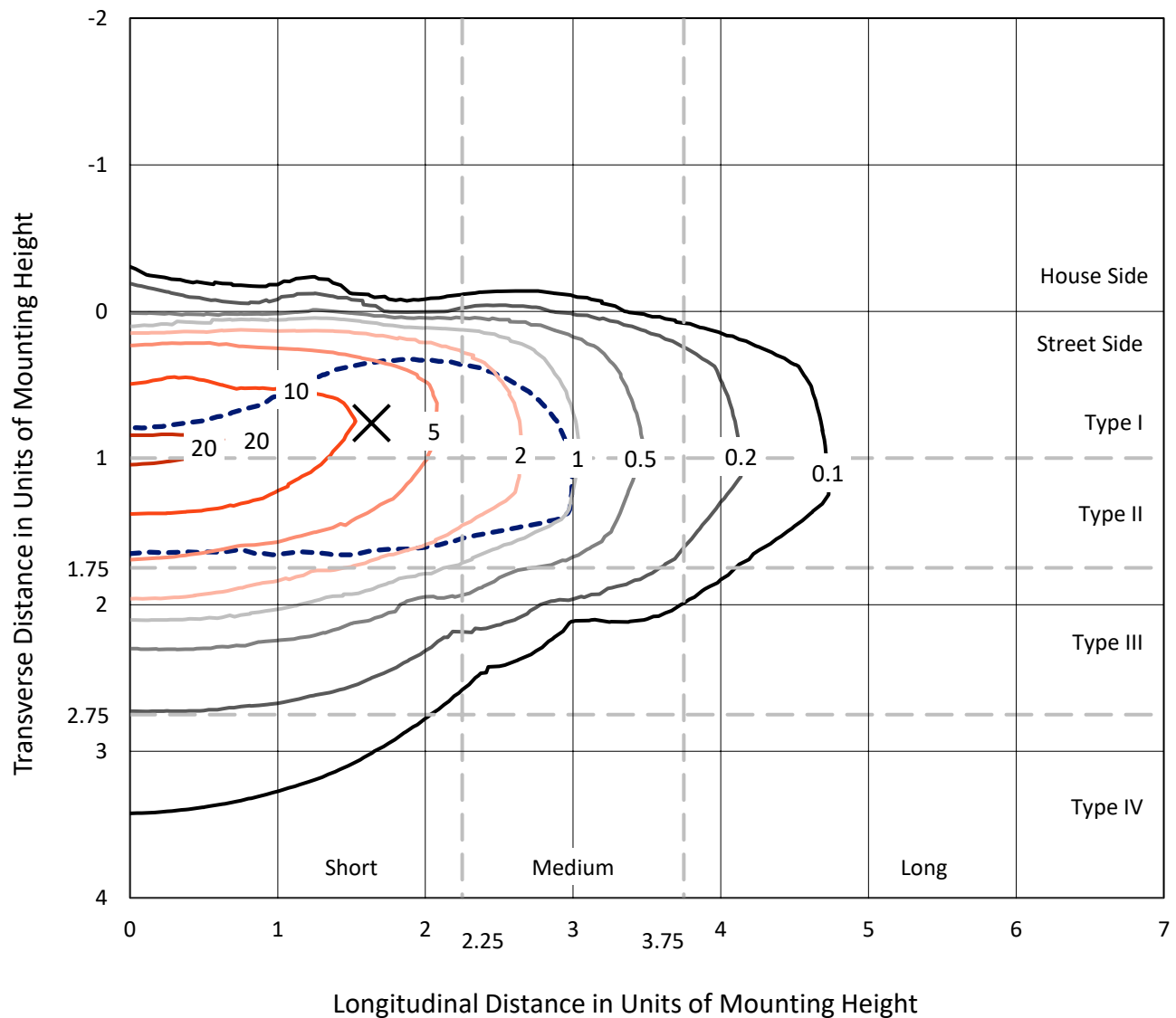


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

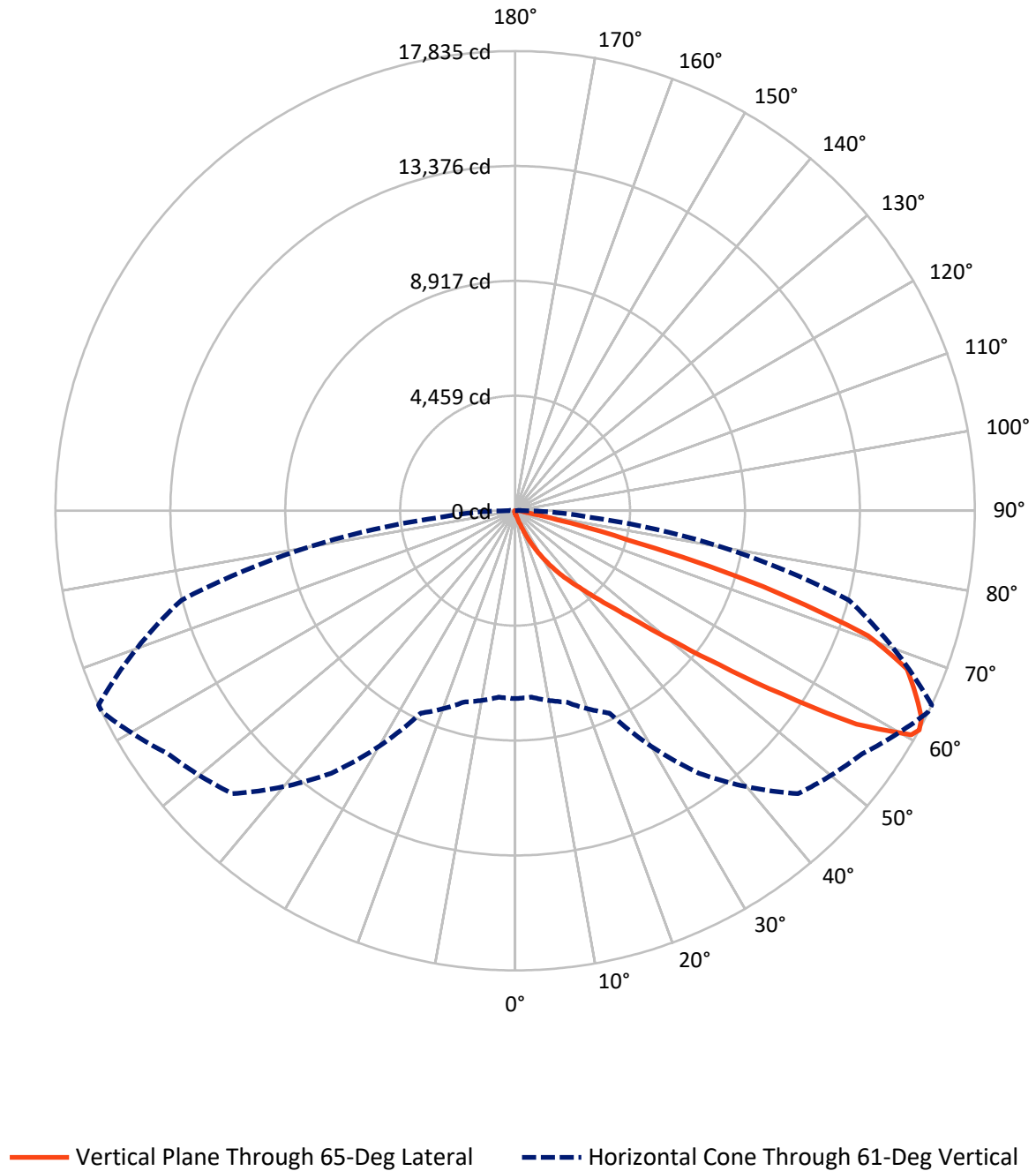


Based on 15 foot mounting height. Maximum calculated value = 21.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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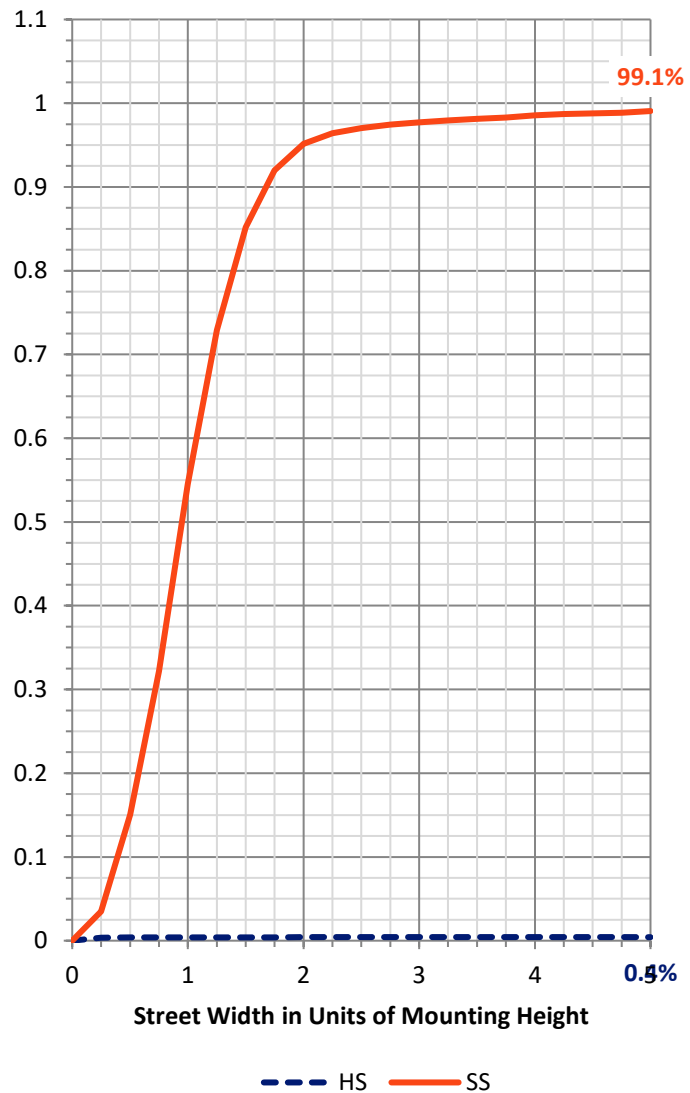
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	69.0	0.0	69.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16087.8	0.0	16087.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	16156.8	0.0	16156.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.1
10°-20°	132.9	0.8
20°-30°	476.8	3.0
30°-40°	1269.5	7.9
40°-50°	3334.8	20.6
50°-60°	5166.3	32.0
60°-70°	4331.9	26.8
70°-80°	1274.8	7.9
80°-90°	157.3	1.0
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°	16156.8	100.0
0°-180°	16156.8	100.0



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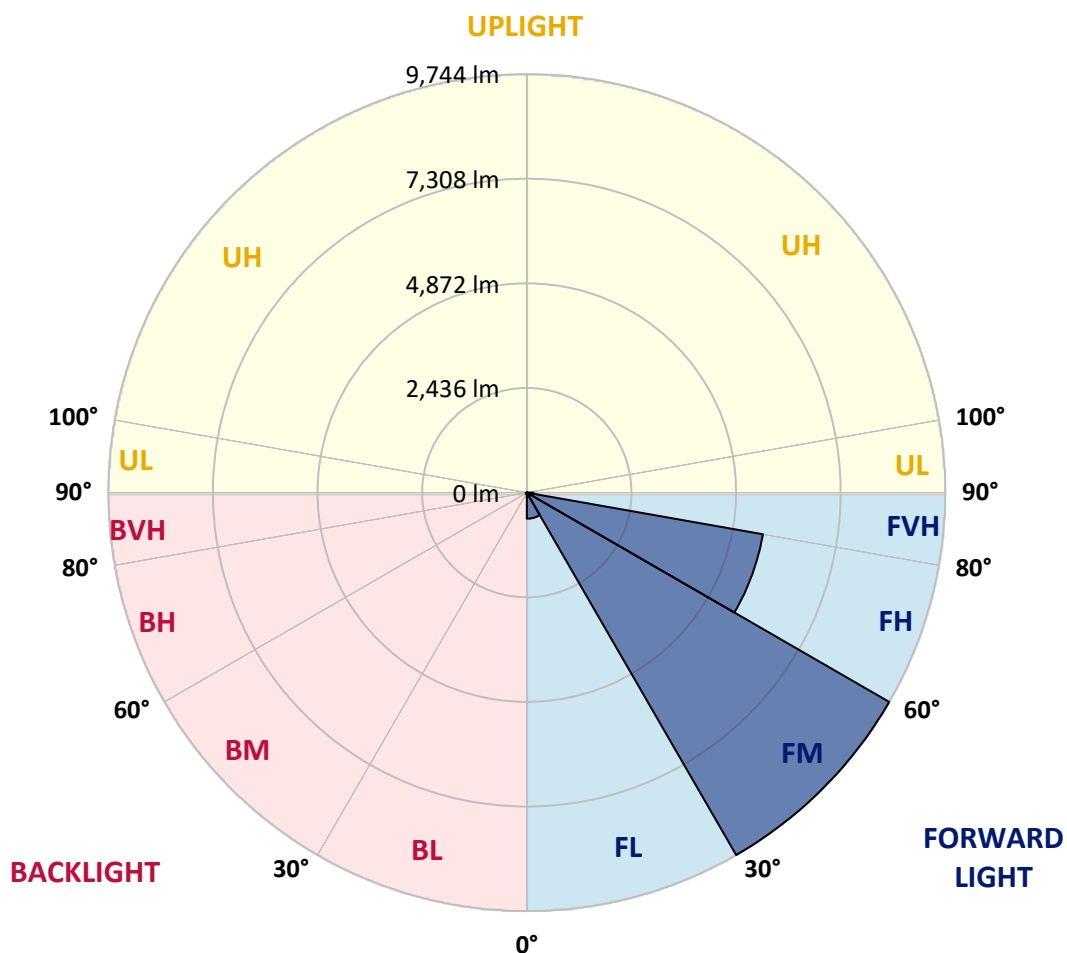
CATALOG NUMBER: GALN-SA4B-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	606.8	3.8			
FM	(30°-60°)	9744.4	60.3			
FH	(60°-80°)	5582.3	34.6			G3/7500
FVH	(80°-90°)	154.3	1.0			G2/225
BL	(0°-30°)	15.5	0.1	B0/110		
BM	(30°-60°)	26.2	0.2	B0/220		
BH	(60°-80°)	24.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	120.0	121.1	118.9	114.5	111.1	111.1	110.0	106.7	106.7	103.4	101.1
5°	167.8	165.6	161.2	152.3	144.5	136.7	128.9	121.1	120.0	110.0	103.4
7.5°	274.5	276.7	262.3	234.5	211.2	181.2	153.4	136.7	134.5	117.8	104.5
10°	602.4	585.7	552.4	444.6	365.7	275.6	204.5	158.9	156.7	126.7	106.7
12.5°	1098.1	1084.7	1023.6	912.5	709.1	493.5	299.0	196.7	190.1	134.5	107.8
15°	1582.6	1561.5	1528.2	1415.9	1178.1	884.7	489.0	269.0	251.2	145.6	106.7
17.5°	1891.6	1895.0	1864.9	1817.2	1663.8	1309.2	844.7	401.2	366.8	165.6	104.5
20°	2161.7	2153.9	2170.6	2145.0	2037.2	1779.4	1229.2	635.7	576.8	197.8	105.6
22.5°	2472.9	2491.8	2504.0	2498.5	2379.5	2159.5	1666.0	951.4	876.9	256.7	108.9
25°	2889.7	2887.4	2888.6	2874.1	2758.5	2514.0	2103.9	1343.7	1268.1	352.3	116.7
27.5°	3326.5	3339.8	3345.3	3293.1	3142.0	2901.9	2509.6	1772.7	1683.8	505.7	126.7
30°	3923.3	3912.2	3886.6	3779.9	3596.5	3298.7	2909.7	2222.8	2129.5	720.2	142.3
32.5°	4727.9	4715.7	4586.8	4351.2	4076.7	3712.1	3312.0	2674.1	2560.7	988.0	163.4
35°	6053.9	6072.7	5756.0	5145.8	4653.5	4208.9	3757.7	3123.1	3023.0	1318.1	192.3
37.5°	8084.4	7981.0	7550.9	6472.9	5412.6	4829.1	4183.4	3576.5	3489.8	1724.9	230.1
40°	10057.2	9954.9	9830.4	8809.0	6731.8	5512.6	4779.1	4108.9	3996.6	2183.9	285.6
42.5°	12131.1	12074.4	12068.8	11298.6	9139.1	6587.3	5495.9	4732.4	4636.8	2687.4	376.8
45°	13600.3	13543.7	13662.6	13797.1	12417.8	8890.2	6744.0	5542.6	5403.7	3298.7	522.4
47.5°	13798.2	13800.4	14118.3	14539.5	14854.0	12452.2	8406.7	6616.2	6447.3	4173.3	766.9
50°	13140.2	13165.8	13671.5	14425.0	15271.9	15440.8	11338.6	8174.4	7924.4	5210.3	1113.6
52.5°	11887.7	11916.5	12621.2	13860.4	14887.3	16158.8	14790.7	10212.8	9924.9	6504.0	1602.7
55°	10759.6	10777.4	11585.3	13151.3	14423.9	15768.7	16840.1	12934.6	12556.7	8095.5	2085.0
57.5°	9642.6	9601.5	10127.2	11919.9	14345.0	15289.7	17142.4	16036.5	15619.8	9834.9	2460.7
60°	8148.9	8080.0	8502.3	9642.6	13306.9	15604.2	16576.7	17752.6	17658.1	12256.6	2750.7
61°	7289.7	7260.8	7685.4	8663.4	12433.4	15524.2	16441.1	17824.8	17834.8	13402.5	2880.8
62.5°	5205.8	5288.1	5937.2	7208.6	10413.9	15005.2	16458.9	17601.4	17700.3	14925.1	3217.5
65°	2314.0	2446.2	2950.8	3985.5	6056.1	12482.3	16301.1	17111.3	17062.4	15343.0	4377.8
67.5°	1372.6	1392.6	1643.8	2258.4	3207.5	6714.0	14385.0	16463.3	16397.8	13356.9	5447.0
70°	1081.4	1091.4	1171.4	1417.0	1861.6	2571.8	8210.0	14243.8	14529.5	10830.7	5332.5
72.5°	1025.8	1023.6	1034.7	1078.1	1172.5	1275.9	3178.6	9468.1	10049.4	7799.9	4471.2
75°	1012.5	1008.0	996.9	980.3	849.1	751.3	984.7	4187.8	4524.6	5329.2	3366.5
77.5°	982.5	983.6	985.8	940.3	728.0	531.3	476.8	1343.7	1652.7	3382.0	2392.9
80°	664.6	674.6	691.3	673.5	654.6	384.5	336.8	477.9	484.6	1898.3	1580.4
82.5°	336.8	336.8	329.0	293.4	253.4	250.1	267.9	346.8	351.2	960.3	743.5
85°	203.4	214.5	218.9	198.9	182.3	167.8	204.5	275.6	285.6	372.3	173.4
87.5°	45.6	46.7	51.1	67.8	98.9	134.5	190.1	252.3	256.7	239.0	21.1
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-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	100.0	97.8	96.7	93.4	90.0	86.7	84.5	83.4	84.5	85.6	85.6
5°	98.9	95.6	90.0	84.5	80.0	75.6	71.1	70.0	70.0	71.1	71.1
7.5°	98.9	93.4	85.6	78.9	72.2	65.6	62.2	60.0	61.1	61.1	61.1
10°	98.9	92.2	82.2	72.2	64.5	56.7	51.1	48.9	48.9	48.9	48.9
12.5°	97.8	91.1	78.9	66.7	55.6	46.7	40.0	36.7	37.8	37.8	37.8
15°	95.6	87.8	74.5	56.7	44.5	35.6	28.9	25.6	26.7	28.9	30.0
17.5°	92.2	84.5	66.7	47.8	35.6	26.7	20.0	17.8	18.9	22.2	22.2
20°	91.1	81.1	58.9	38.9	26.7	18.9	13.3	11.1	12.2	16.7	17.8
22.5°	91.1	78.9	53.3	32.2	20.0	12.2	7.8	4.4	4.4	7.8	7.8
25°	92.2	77.8	48.9	26.7	14.4	8.9	4.4	2.2	4.4	12.2	14.4
27.5°	94.5	76.7	46.7	22.2	11.1	7.8	3.3	7.8	13.3	13.3	13.3
30°	96.7	74.5	43.3	18.9	10.0	5.6	5.6	11.1	11.1	13.3	14.4
32.5°	100.0	73.4	41.1	16.7	7.8	4.4	7.8	6.7	6.7	7.8	8.9
35°	106.7	74.5	38.9	16.7	7.8	5.6	6.7	3.3	2.2	2.2	2.2
37.5°	115.6	75.6	35.6	14.4	6.7	6.7	3.3	0.0	0.0	0.0	0.0
40°	130.0	78.9	33.3	13.3	5.6	5.6	1.1	0.0	0.0	0.0	0.0
42.5°	154.5	85.6	32.2	12.2	5.6	4.4	0.0	0.0	0.0	0.0	0.0
45°	203.4	101.1	30.0	11.1	5.6	2.2	0.0	0.0	0.0	0.0	0.0
47.5°	292.3	137.8	28.9	8.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	426.8	186.7	27.8	7.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	544.6	196.7	18.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	557.9	135.6	14.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	444.6	87.8	12.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	336.8	66.7	11.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	323.4	60.0	11.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	356.8	52.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	580.2	43.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1008.0	37.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1273.7	35.6	6.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1110.3	32.2	6.7	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	668.0	27.8	6.7	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	350.1	21.1	6.7	5.6	3.3	1.1	0.0	0.0	0.0	0.0	0.0
80°	170.0	18.9	7.8	5.6	4.4	2.2	0.0	0.0	0.0	0.0	0.0
82.5°	66.7	15.6	8.9	7.8	5.6	3.3	1.1	0.0	0.0	0.0	0.0
85°	30.0	13.3	10.0	8.9	7.8	4.4	1.1	0.0	0.0	0.0	0.0
87.5°	15.6	12.2	11.1	10.0	7.8	5.6	2.2	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

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

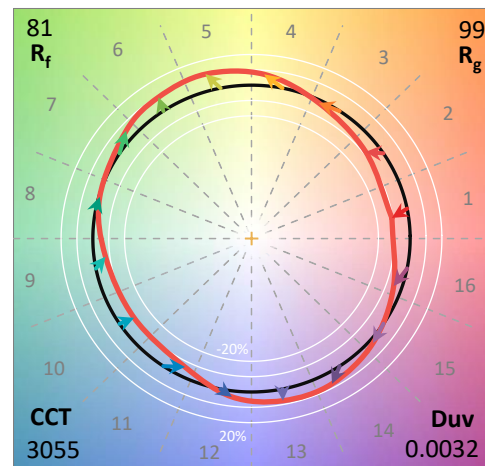
Test Information

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

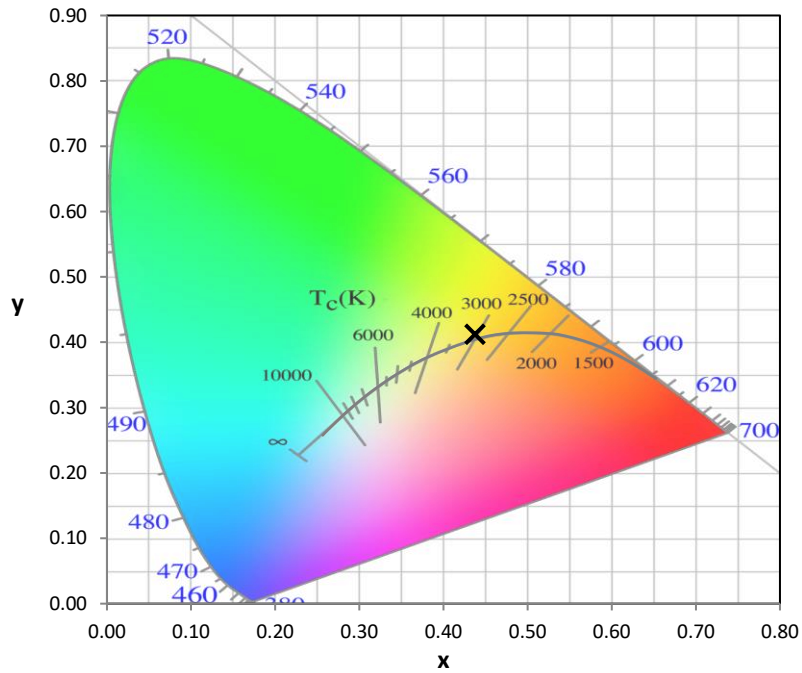
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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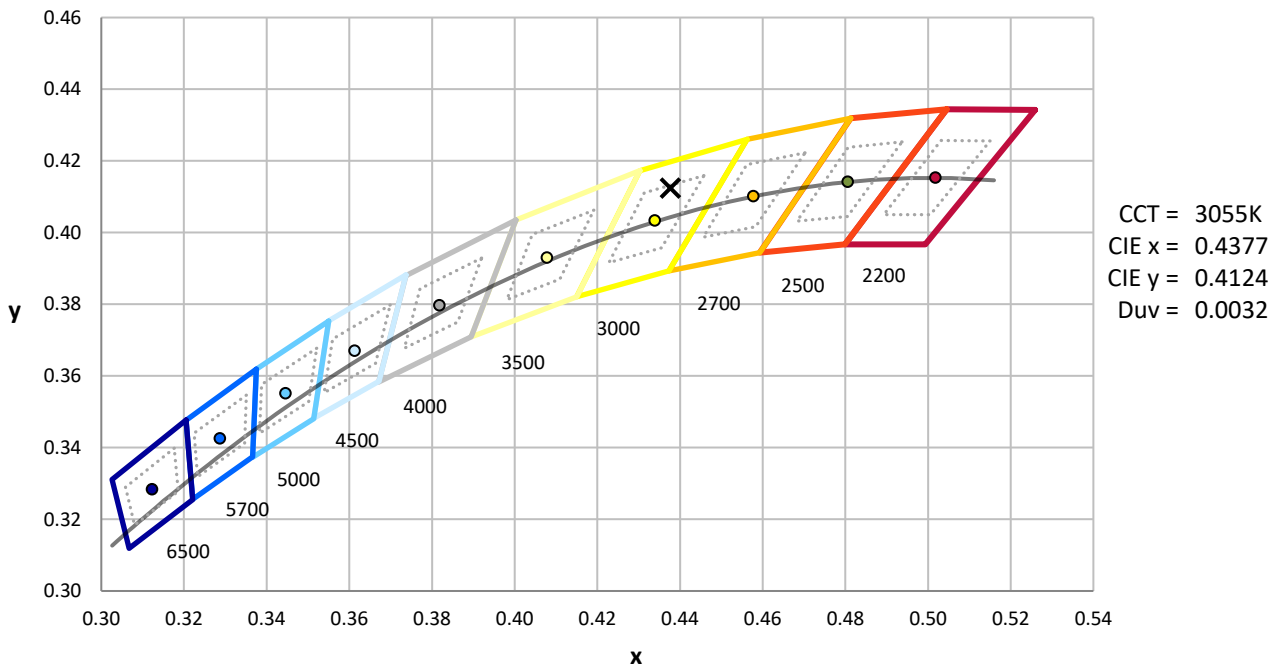
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 $\text{W}^{\wedge}/\text{nm}$	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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Scotopic Flux vs. Wavelength



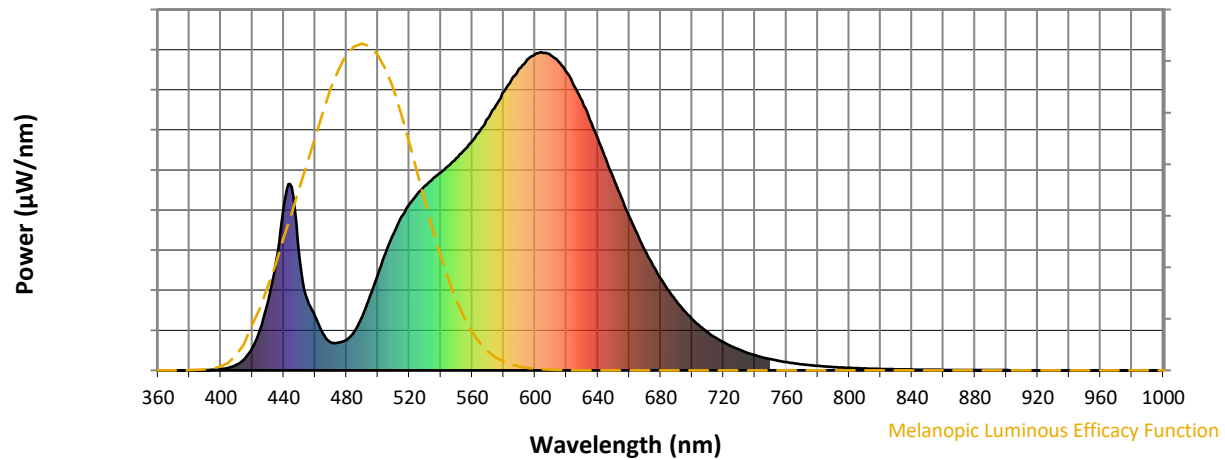
Scotopic Lumens: NR

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

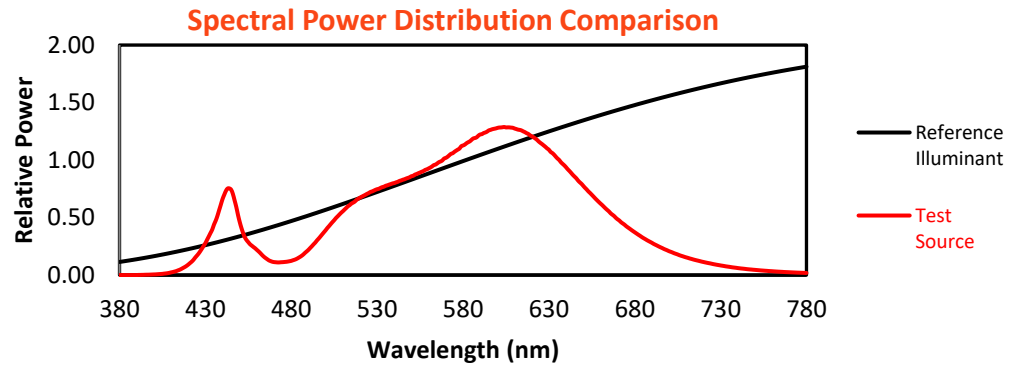
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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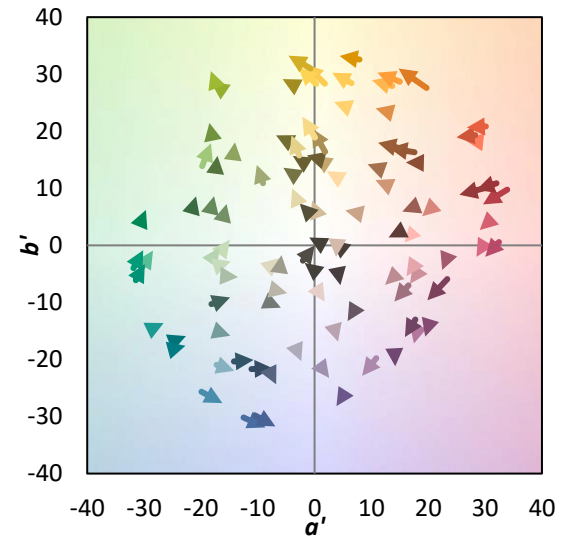
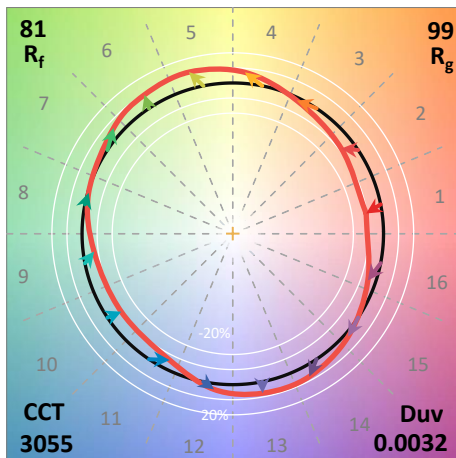
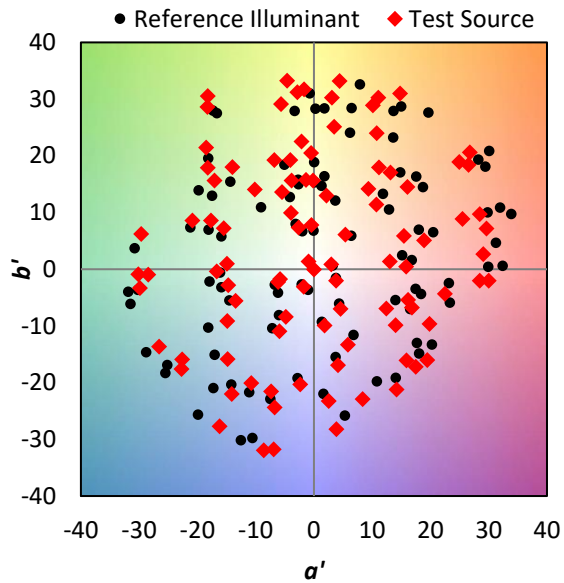
TM-30-18

Summary

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

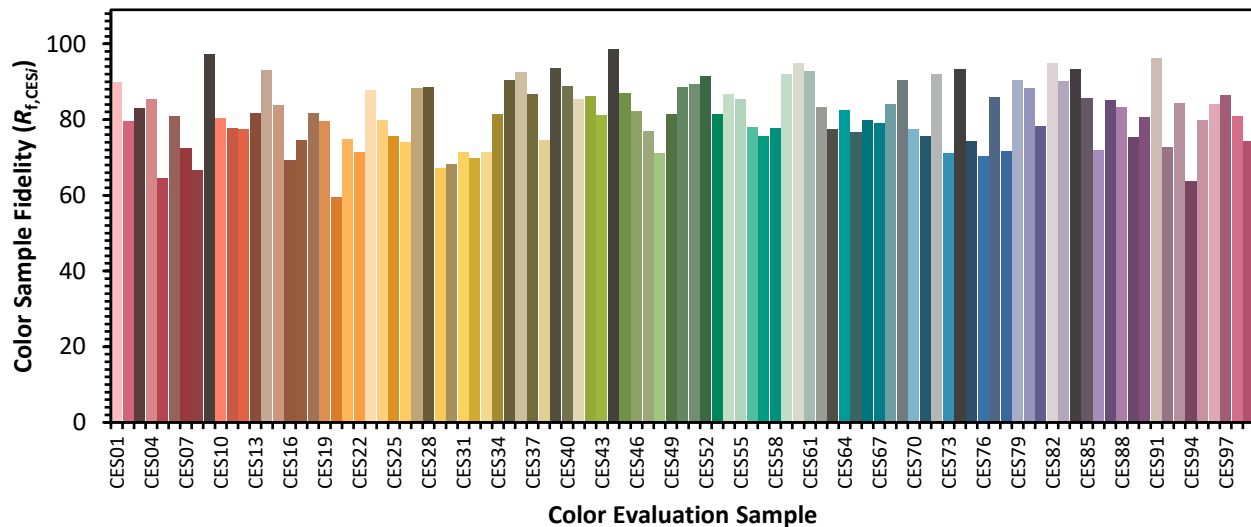


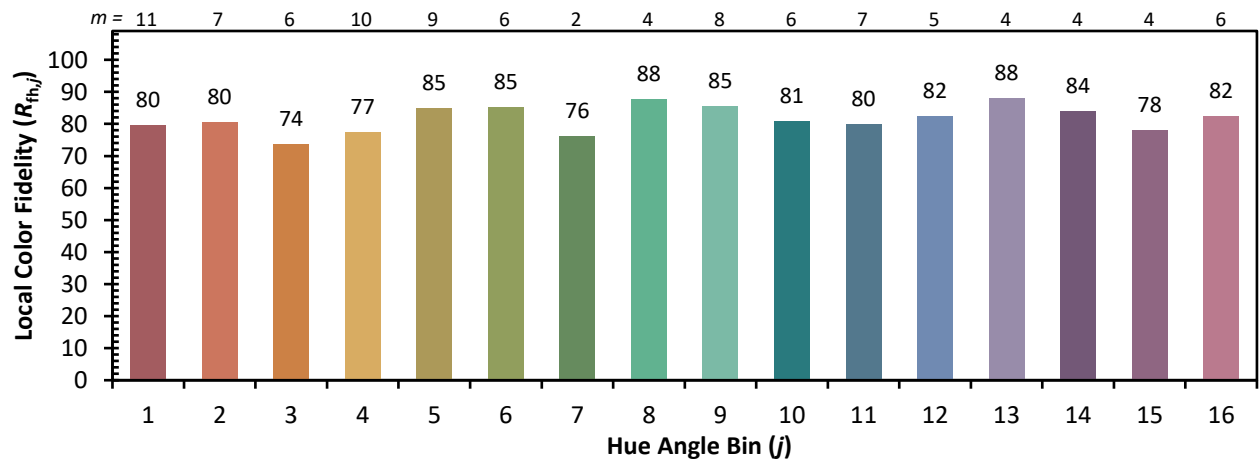
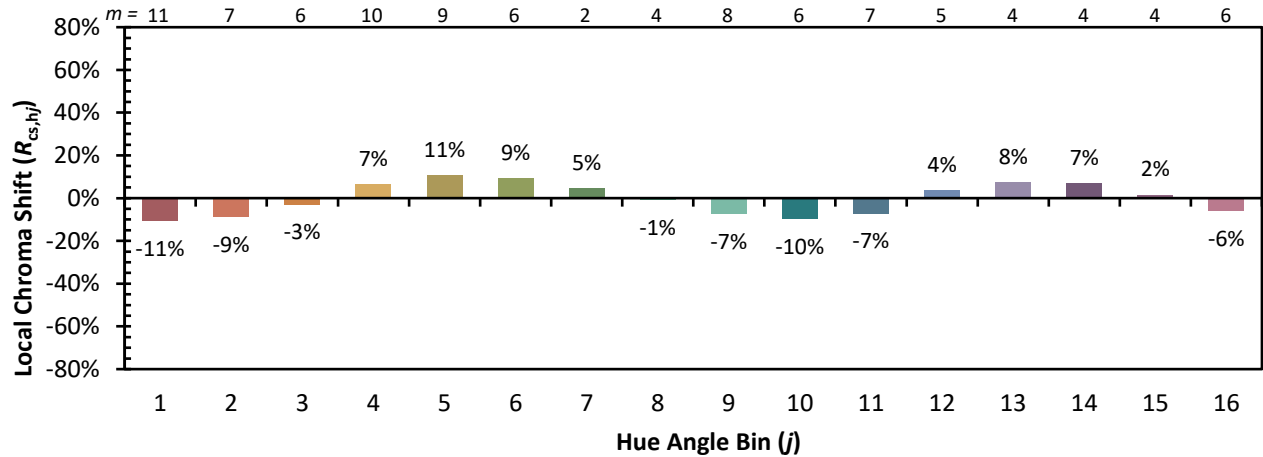
Color Vector Graphics



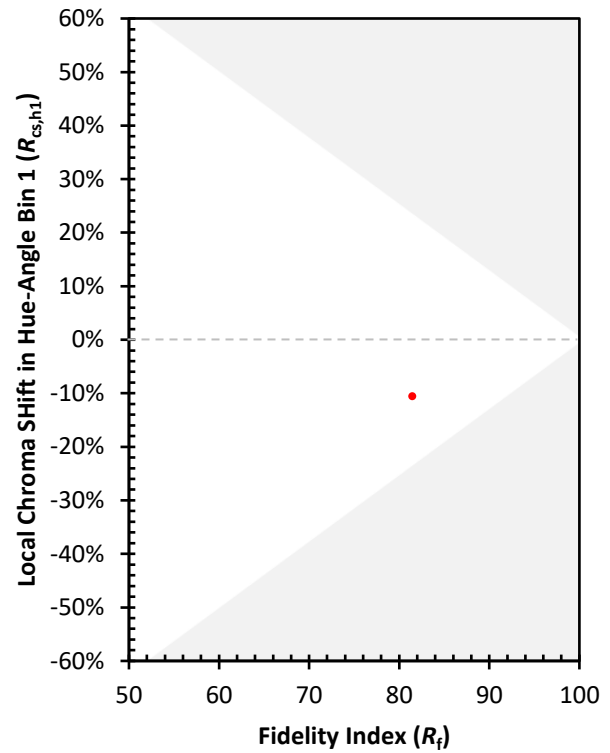
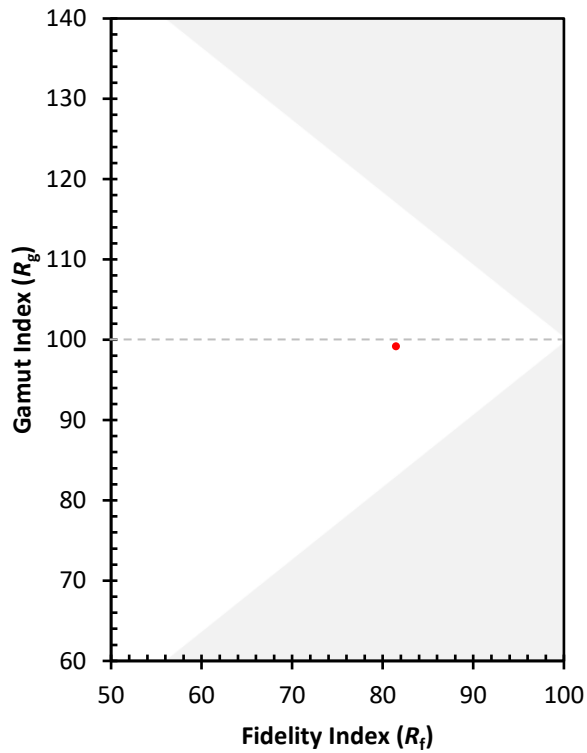
Individual Sample Fidelity Index ($R_{f,i}$)

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)