

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: P1048533

Luminaire Tested: **GALN-SA3A-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048533
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9998.7 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 81.4
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

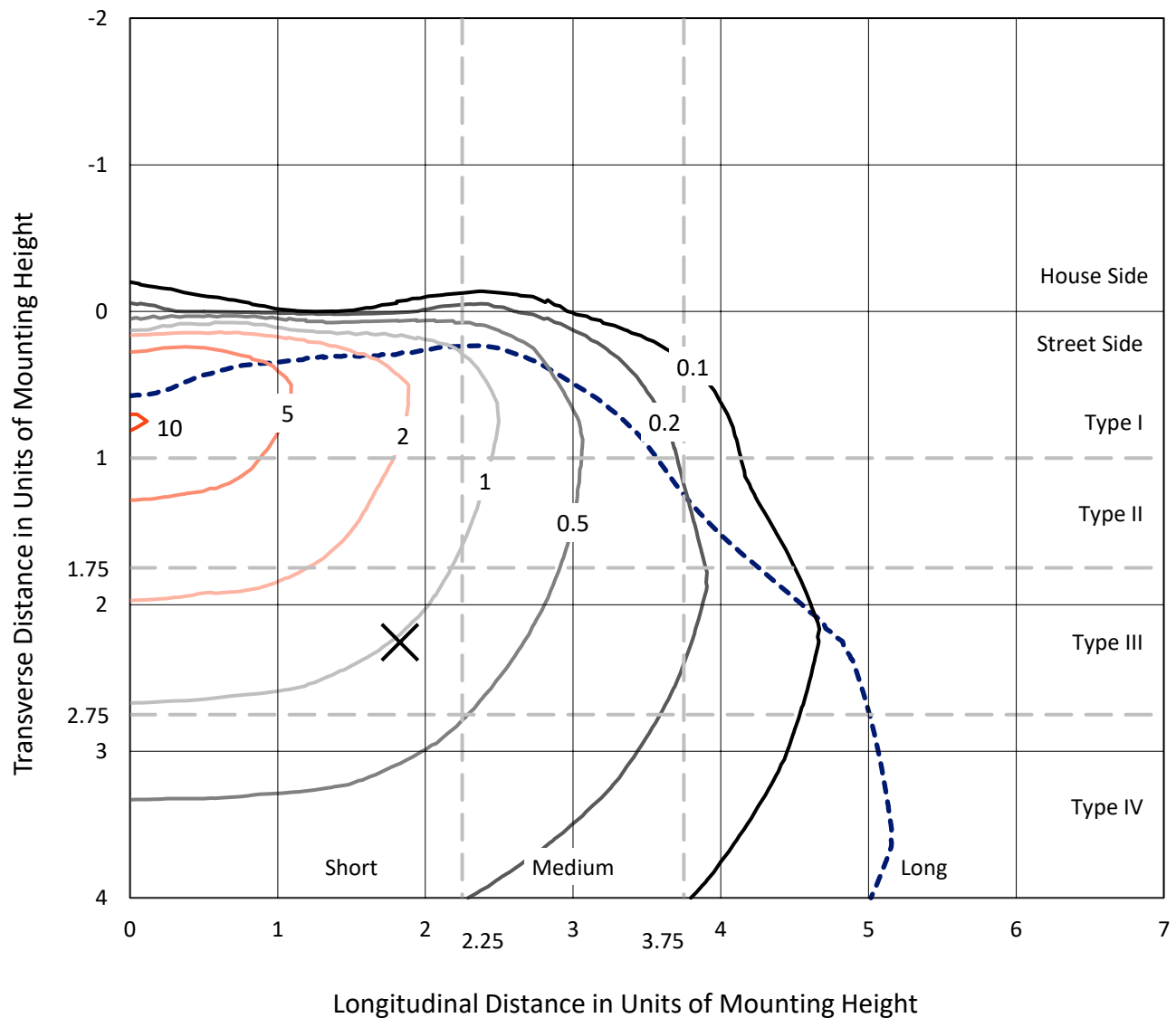


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

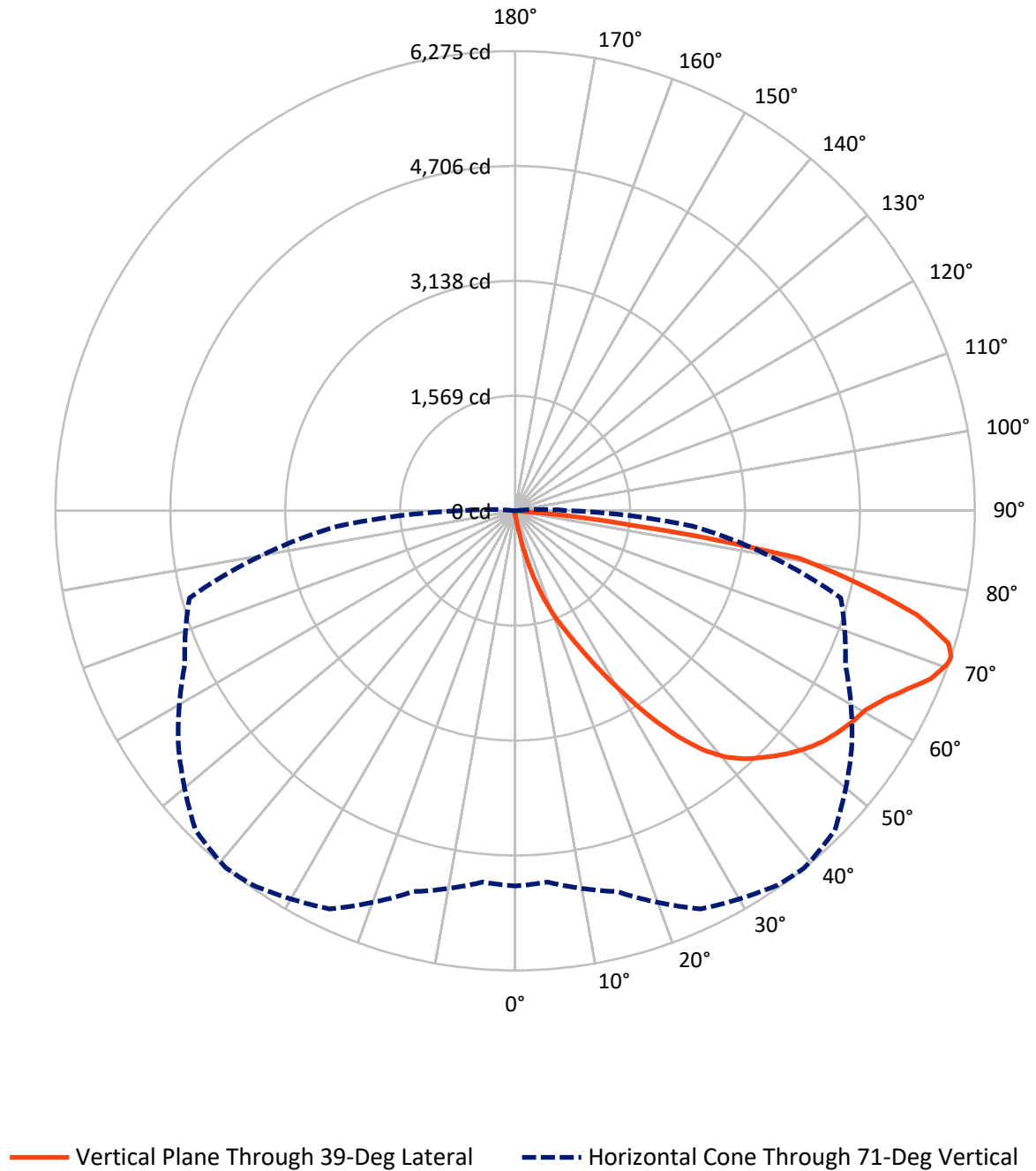


Based on 15 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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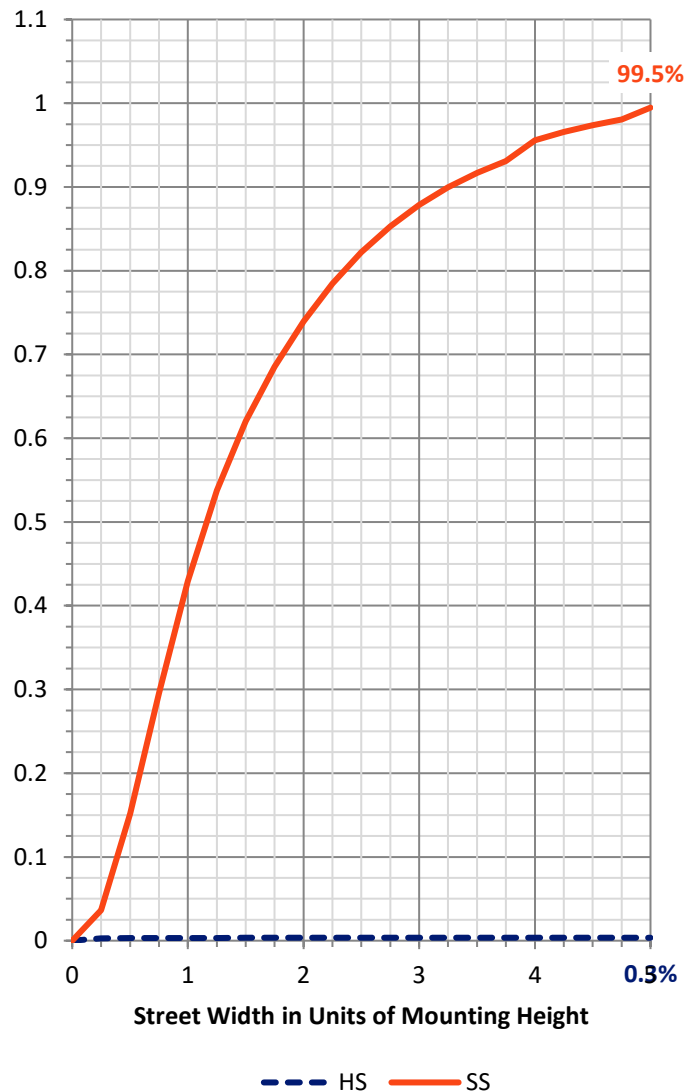
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35.5	0.0	35.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9963.2	0.0	9963.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	9998.7	0.0	9998.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	106.9	1.1
20°-30°	380.6	3.8
30°-40°	917.2	9.2
40°-50°	1535.0	15.4
50°-60°	1971.6	19.7
60°-70°	2495.1	25.0
70°-80°	2224.4	22.2
80°-90°	359.6	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°	9998.7	100.0
0°-180°	9998.7	100.0



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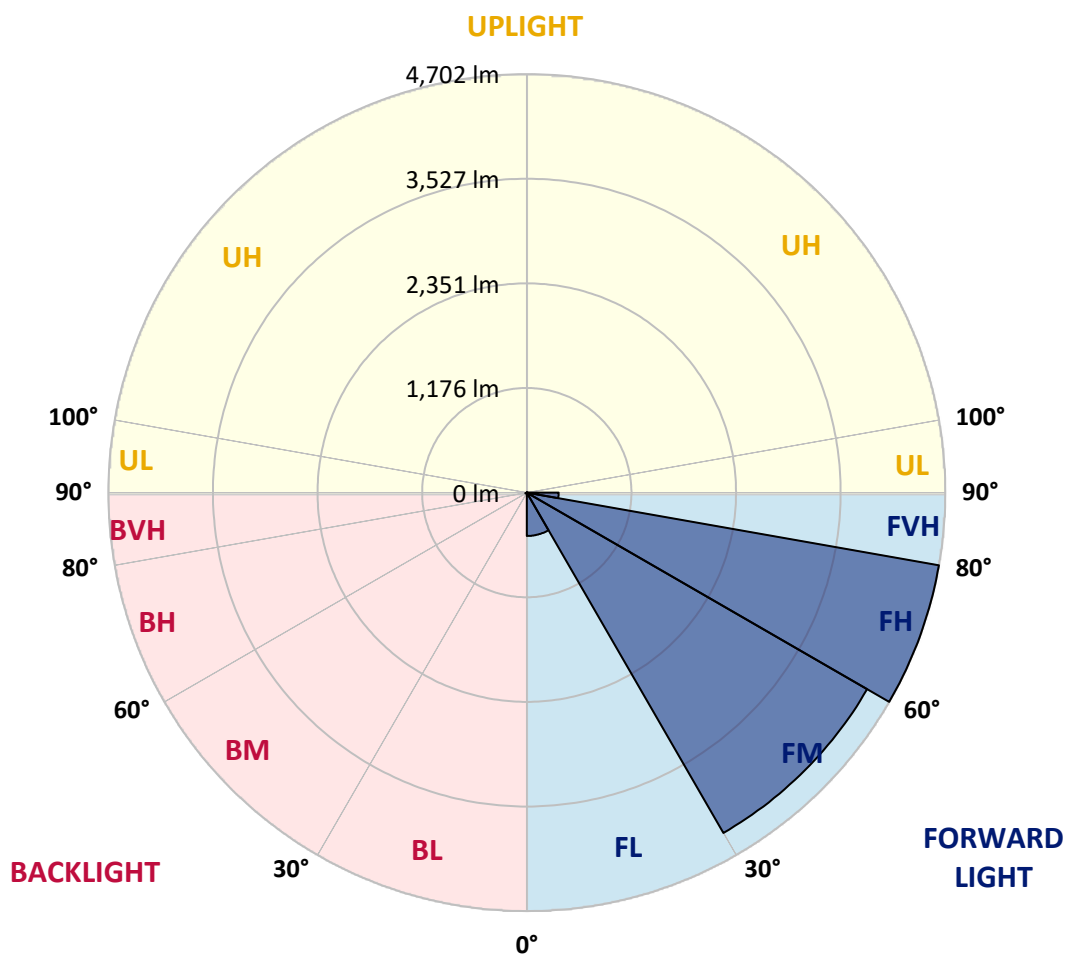
CATALOG NUMBER: GALN-SA3A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	487.2	4.9			
FM	(30°-60°)	4415.6	44.2			
FH	(60°-80°)	4702.4	47.0			G2/5000
FVH	(80°-90°)	357.9	3.6			G3/500
BL	(0°-30°)	8.6	0.1	B0/110		
BM	(30°-60°)	8.2	0.1	B0/220		
BH	(60°-80°)	17.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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 IV Short



REPORT NUMBER: P1048533

CATALOG NUMBER: GALN-SA3A-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	62.9	62.9	62.9	60.9	60.9	60.2	59.6	59.6	58.2	57.5	56.2
5°	95.4	93.4	88.7	86.0	80.5	77.2	73.8	69.0	64.3	60.9	56.9
7.5°	215.9	220.7	205.1	176.0	146.2	133.3	111.7	90.0	74.5	64.3	57.5
10°	550.3	547.6	494.8	436.6	337.1	297.1	232.8	146.9	96.1	70.4	58.2
12.5°	936.1	933.4	871.1	791.9	660.6	577.4	455.5	274.1	138.1	79.9	58.2
15°	1260.3	1249.5	1229.9	1151.3	997.7	928.0	766.9	484.6	223.4	96.1	59.6
17.5°	1474.9	1465.4	1447.1	1418.7	1321.2	1238.7	1109.4	761.5	361.4	124.5	62.3
20°	1671.8	1665.1	1650.2	1644.8	1581.8	1537.8	1430.9	1079.6	563.1	169.2	66.3
22.5°	1942.6	1928.4	1934.5	1902.0	1840.4	1787.6	1721.9	1412.6	809.5	243.7	73.8
25°	2274.3	2267.5	2250.6	2227.5	2142.3	2096.2	1995.4	1726.7	1085.0	341.1	81.9
27.5°	2675.0	2667.5	2663.4	2610.7	2512.5	2462.4	2321.6	2023.1	1395.0	477.9	92.7
30°	3136.6	3140.0	3113.6	3045.9	2931.5	2861.1	2716.2	2333.8	1712.5	638.3	104.2
32.5°	3614.4	3607.7	3567.1	3487.2	3385.0	3319.3	3135.2	2674.3	2045.5	850.1	117.8
35°	4129.5	4116.7	4009.7	3918.3	3831.0	3748.5	3580.6	3069.6	2378.5	1087.7	136.0
37.5°	4649.4	4589.1	4374.5	4258.8	4198.6	4130.9	3974.5	3491.2	2709.5	1353.0	158.4
40°	5041.9	4995.2	4740.7	4527.5	4479.5	4421.9	4305.5	3855.4	3061.4	1638.0	185.5
42.5°	5259.2	5233.5	5004.7	4794.2	4681.2	4630.4	4530.9	4173.5	3409.3	1952.7	224.7
45°	5351.9	5312.0	5159.0	5060.9	4880.8	4796.9	4678.5	4413.8	3772.8	2310.1	279.5
47.5°	5323.5	5300.5	5190.8	5226.7	5096.1	4965.4	4791.5	4597.9	4083.5	2720.3	354.7
50°	5144.8	5125.2	5091.3	5285.6	5269.4	5115.0	4937.7	4743.4	4337.3	3143.3	471.1
52.5°	4805.0	4796.9	4883.5	5239.6	5367.5	5247.0	5078.5	4872.0	4574.2	3585.3	637.6
55°	4367.1	4400.3	4648.0	5167.8	5417.6	5344.5	5203.0	4992.5	4764.4	3980.6	883.3
57.5°	4187.1	4195.9	4505.2	5117.1	5439.9	5430.5	5324.2	5107.6	4939.1	4296.7	1258.3
60°	4397.6	4384.0	4547.1	5155.6	5484.6	5507.6	5431.8	5214.5	5090.7	4568.1	1757.8
62.5°	4778.0	4770.5	4822.6	5320.1	5615.2	5661.9	5581.4	5291.7	5224.7	4746.8	2327.7
65°	5117.7	5102.2	5199.0	5611.8	5844.7	5877.9	5807.5	5423.7	5283.6	4876.8	2863.1
67.5°	5264.6	5261.2	5416.9	5889.4	6085.7	6121.5	6059.9	5605.8	5270.0	4918.1	3099.3
70°	5197.6	5184.8	5433.8	6007.1	6221.7	6262.3	6202.7	5673.4	5123.2	4787.4	2749.4
71°	5123.8	5089.3	5383.1	5999.0	6240.7	6275.2	6170.9	5611.8	4975.6	4602.0	2432.0
72.5°	4895.1	4901.1	5243.6	5914.4	6195.3	6185.2	5990.9	5391.2	4797.6	4181.0	1953.4
75°	4331.9	4367.8	4792.2	5559.1	5790.5	5661.3	5364.1	4969.5	4440.2	2997.8	1356.4
77.5°	3540.0	3593.5	4059.8	4875.4	4809.8	4796.9	4784.7	4378.6	3791.8	1610.3	943.5
80°	1690.1	1805.9	2448.9	3480.4	3780.9	3926.5	3835.1	3528.5	2932.2	766.9	563.8
82.5°	110.3	109.0	154.3	292.4	1232.6	1593.3	2531.5	2522.0	2044.1	373.6	230.1
85°	52.1	53.5	58.9	67.0	77.8	85.3	117.8	690.4	978.1	178.0	50.1
87.5°	30.5	31.1	36.6	46.7	60.9	67.7	80.5	103.6	127.2	98.1	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048533

CATALOG NUMBER: GALN-SA3A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	55.5	54.8	52.8	50.8	48.7	47.4	46.7	47.4	47.4	48.1	48.1
5°	55.5	53.5	50.1	46.0	43.3	40.6	39.3	38.6	39.3	39.3	39.3
7.5°	54.8	51.4	46.7	42.0	38.6	35.2	33.8	33.2	33.2	33.8	33.8
10°	53.5	50.1	44.0	38.6	34.5	30.5	28.4	26.4	26.4	26.4	27.1
12.5°	52.8	48.1	40.6	35.2	29.8	25.0	21.0	19.0	19.6	19.6	19.6
15°	51.4	46.0	38.6	31.8	25.0	19.0	15.6	13.5	14.2	14.9	14.2
17.5°	51.4	45.3	35.9	27.8	19.6	14.2	11.5	10.2	10.2	10.8	10.8
20°	51.4	44.0	33.8	23.7	14.9	10.8	8.1	7.4	7.4	8.8	9.5
22.5°	52.8	44.0	31.1	19.6	12.2	8.1	6.1	5.4	6.1	7.4	8.1
25°	54.8	43.3	28.4	17.6	10.2	6.1	4.7	3.4	4.1	5.4	6.1
27.5°	56.9	42.6	25.7	15.6	8.1	4.7	3.4	2.7	2.0	2.7	2.7
30°	58.9	42.6	23.0	12.9	6.8	3.4	2.0	1.4	0.7	0.0	0.0
32.5°	60.2	41.3	21.0	10.2	5.4	2.7	1.4	0.7	0.0	0.0	0.0
35°	61.6	39.9	18.3	8.1	4.1	2.0	0.7	0.0	0.0	0.0	0.0
37.5°	62.9	37.9	15.6	6.8	3.4	1.4	0.0	0.0	0.0	0.0	0.0
40°	64.3	35.2	12.9	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	65.7	33.2	10.8	4.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	69.0	31.8	8.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	75.1	30.5	8.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	83.9	29.1	7.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	96.1	28.4	6.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	117.8	27.8	6.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	155.0	27.1	6.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	237.6	25.7	6.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	424.4	25.0	5.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	739.8	25.7	5.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1060.6	27.1	4.7	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	907.7	23.7	4.7	2.7	1.4	0.7	0.0	0.0	0.0	0.0	0.0
71°	739.8	21.0	4.7	2.7	1.4	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	475.8	16.2	4.1	2.7	1.4	1.4	0.7	0.0	0.0	0.0	0.0
75°	201.0	13.5	4.1	2.7	2.0	1.4	1.4	0.7	0.0	0.0	0.0
77.5°	86.0	10.2	4.1	3.4	2.7	2.0	2.0	1.4	0.7	0.0	0.0
80°	32.5	8.1	4.7	4.1	3.4	3.4	2.7	1.4	0.7	0.0	0.0
82.5°	14.9	6.8	4.7	4.1	4.1	3.4	2.7	2.0	1.4	0.0	0.0
85°	9.5	6.1	4.7	4.1	4.1	3.4	3.4	2.0	1.4	0.0	0.0
87.5°	7.4	6.1	4.7	4.7	4.1	4.1	2.7	2.0	0.7	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

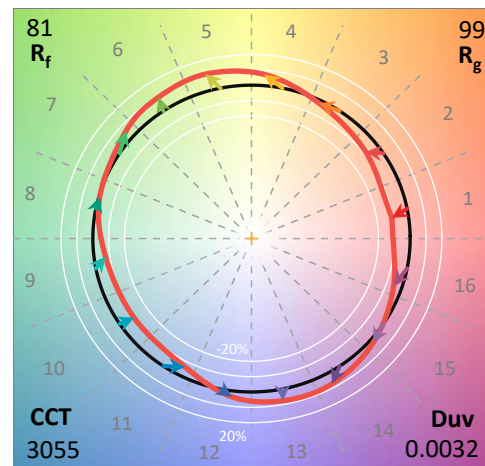
Test Information

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

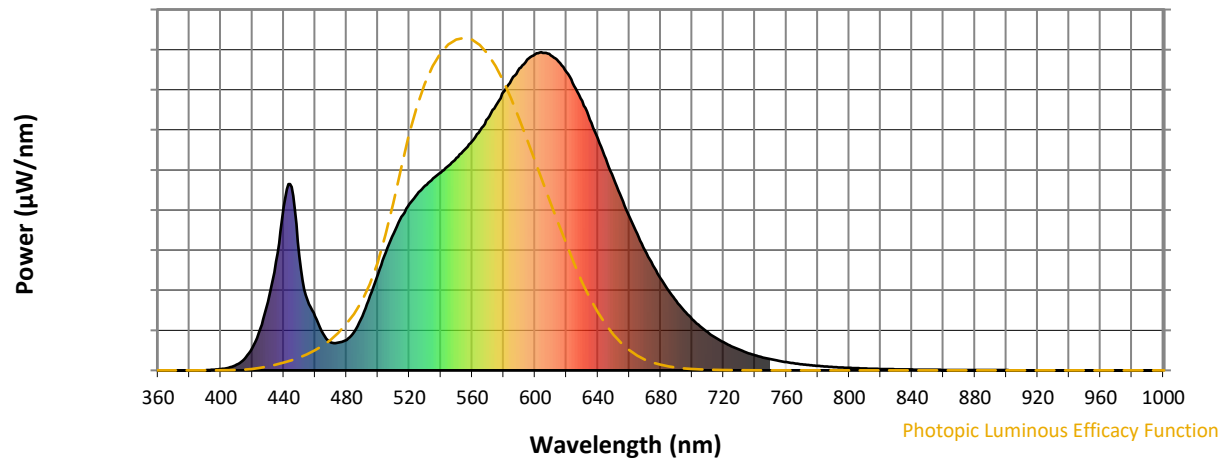
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

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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Photopic Flux vs. Wavelength

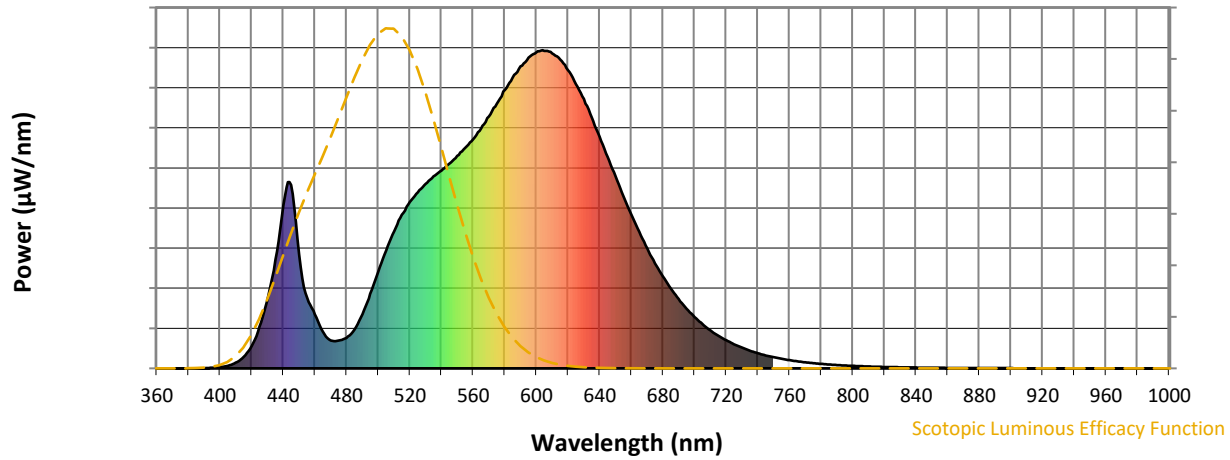


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



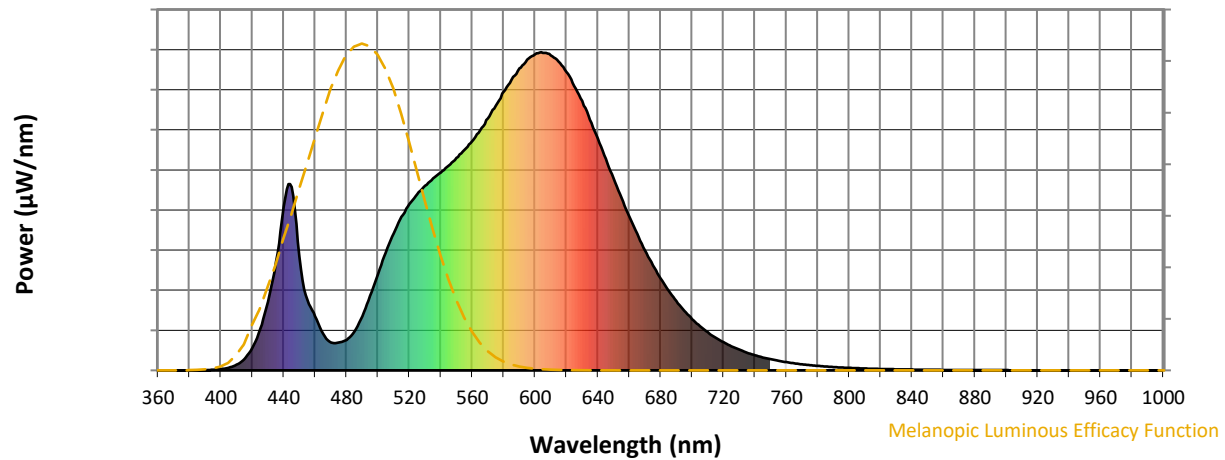
Scotopic Lumens: NR

S/P: 1.28

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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

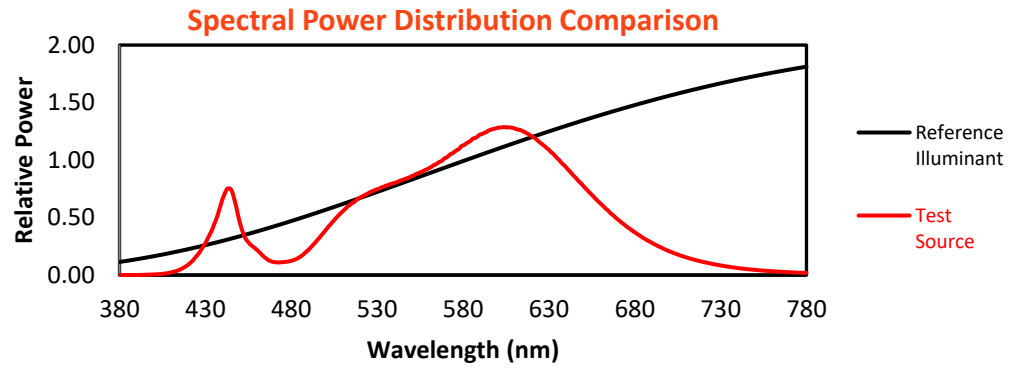
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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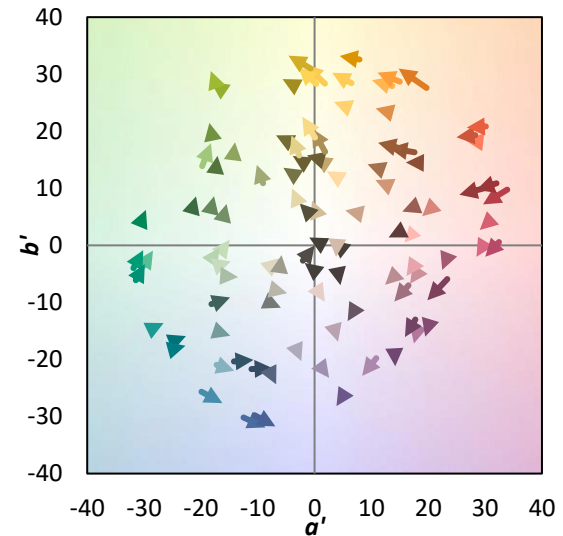
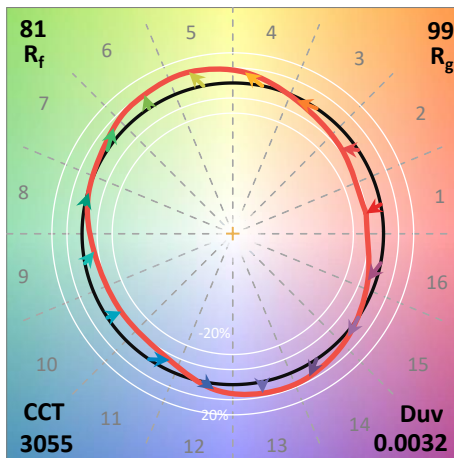
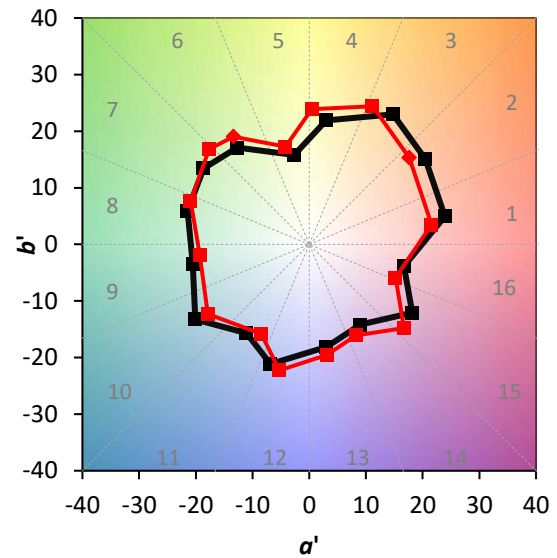
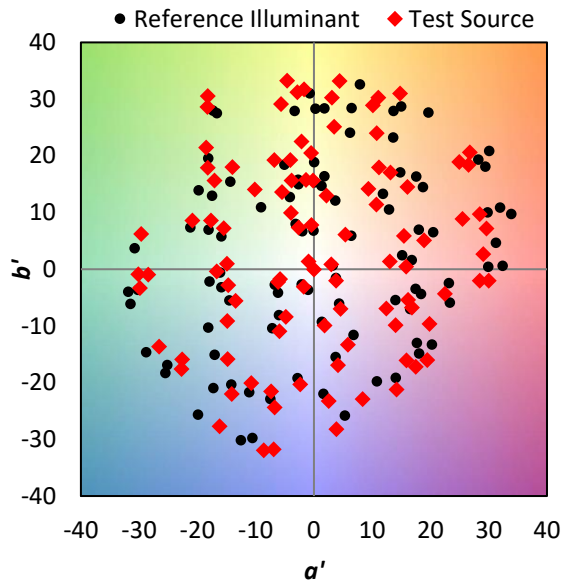
TM-30-18

Summary

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

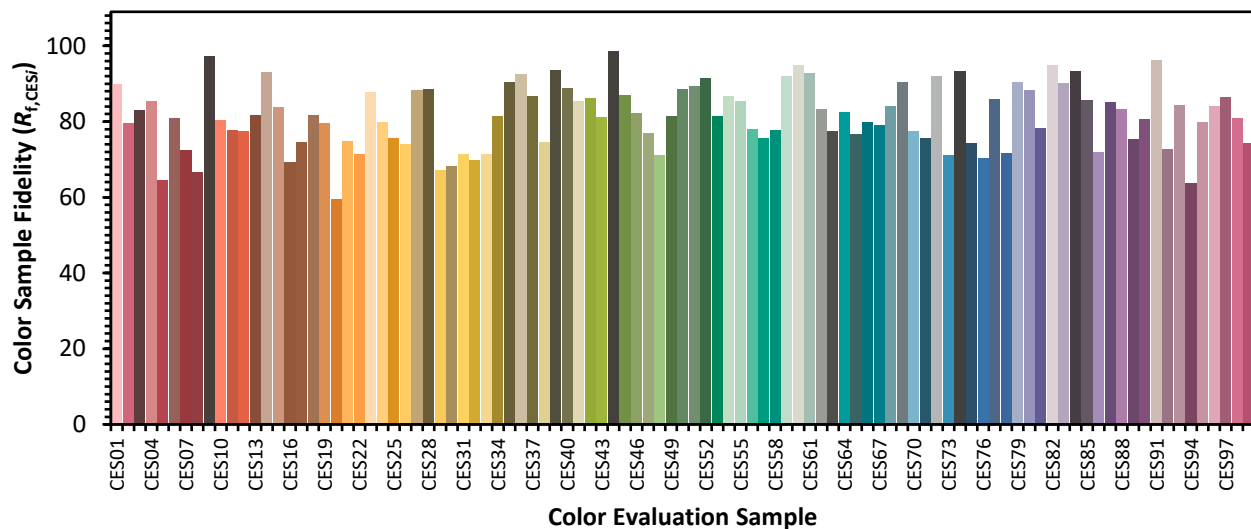


Color Vector Graphics

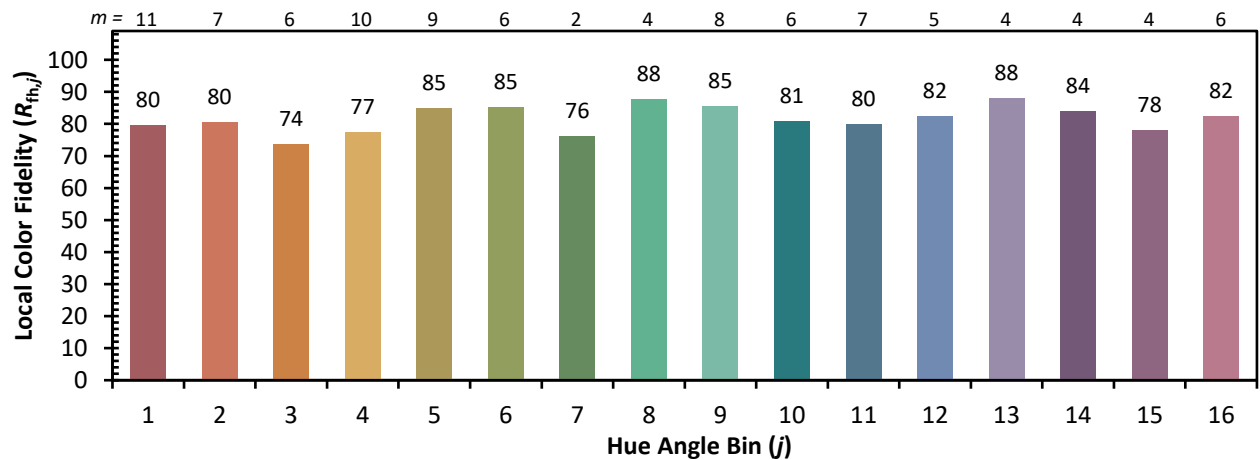
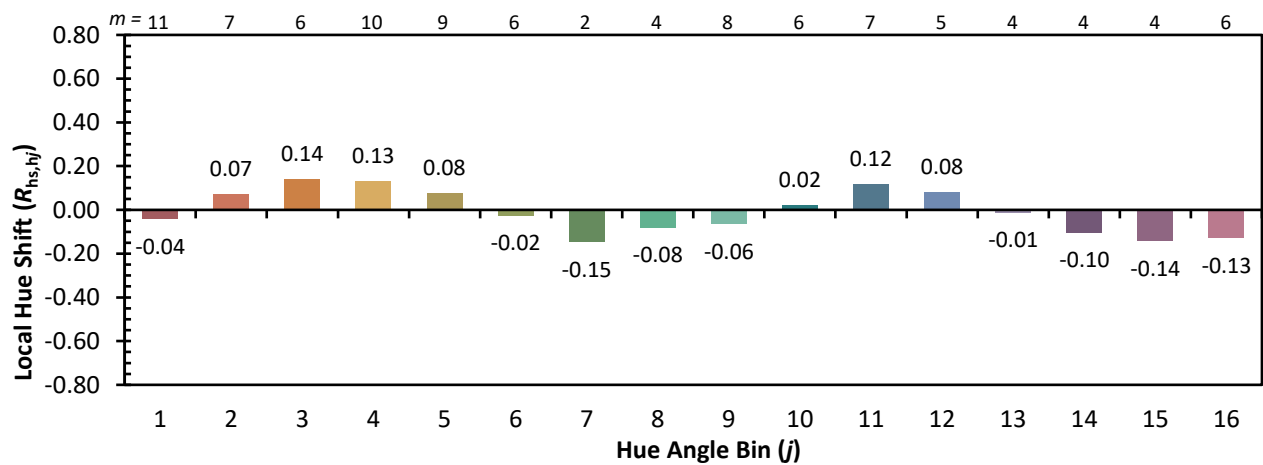
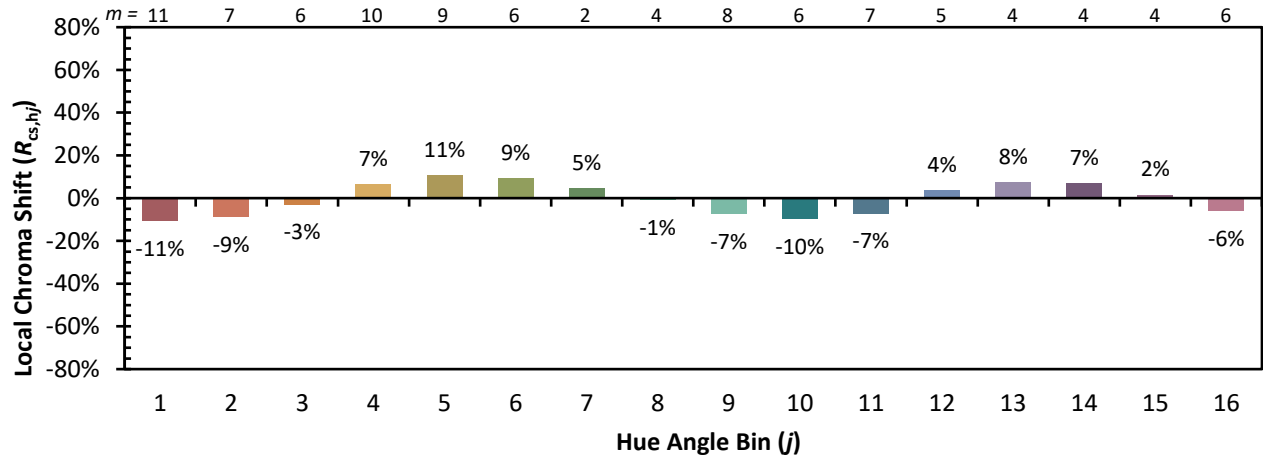


Individual Sample Fidelity Index ($R_{f,i}$)

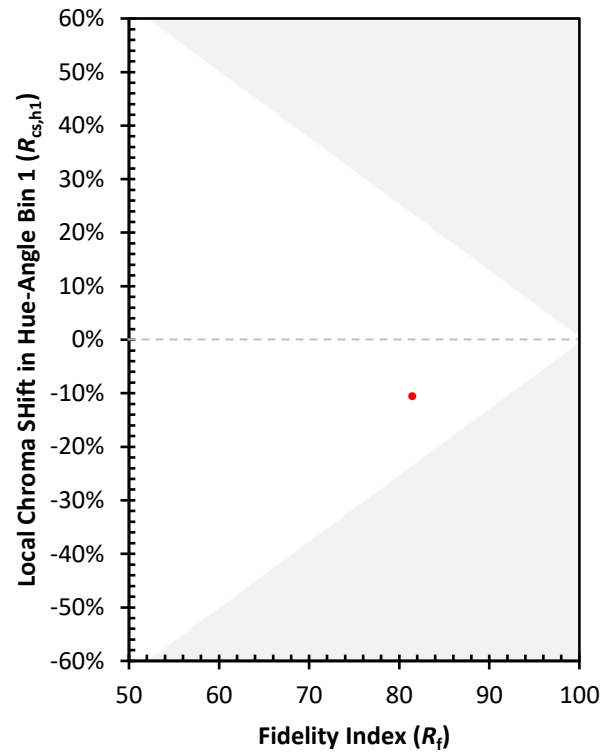
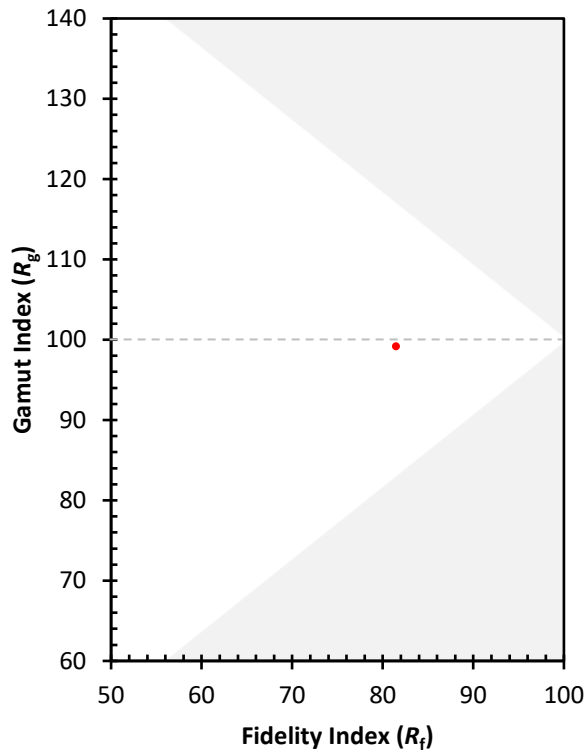
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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