

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: P1048529

Luminaire Tested: **GALN-SA2A-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048529
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6666.4 lumens
Efficiency: N/A
Efficacy: 119.5 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): 55.8
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

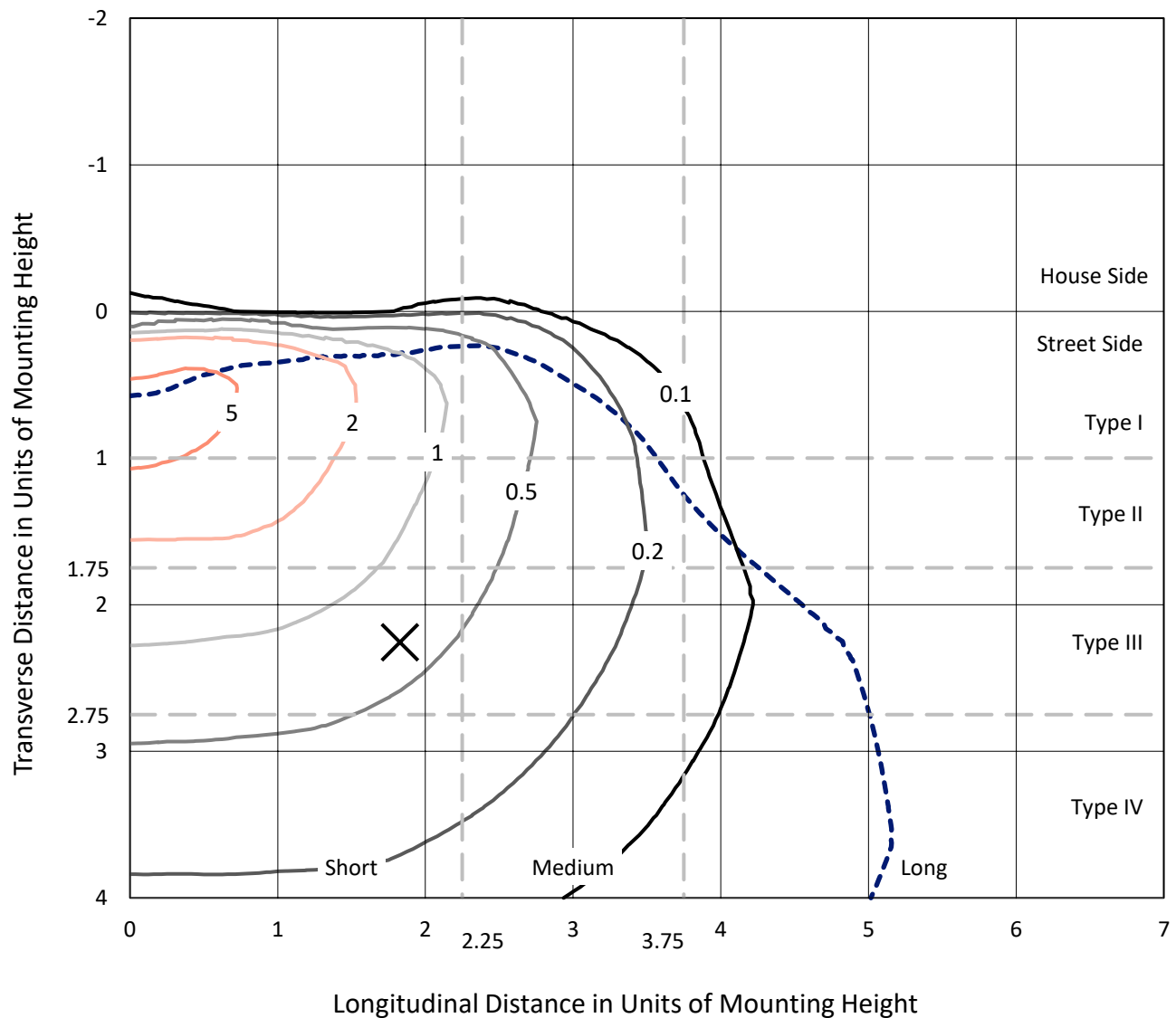


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

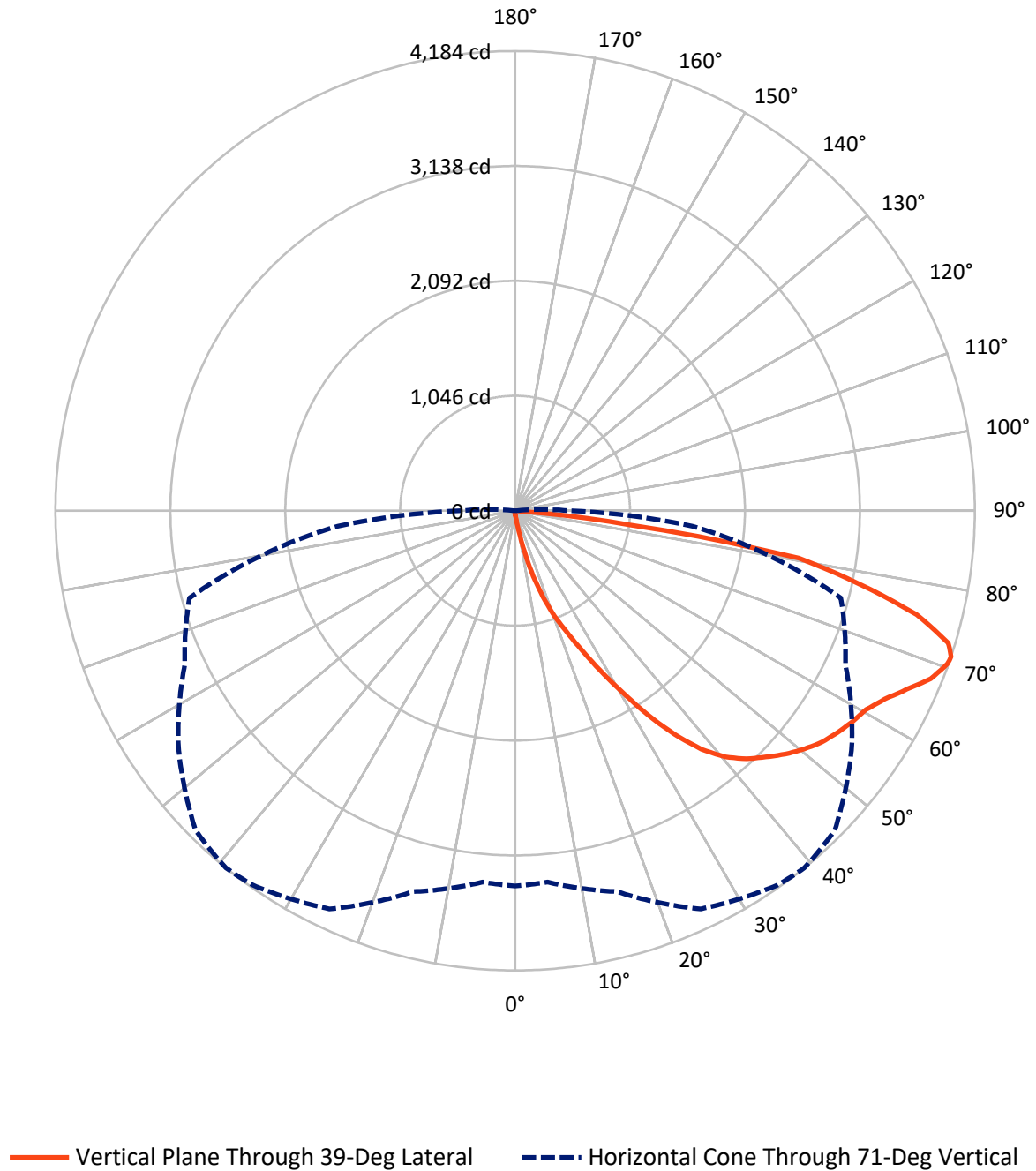


Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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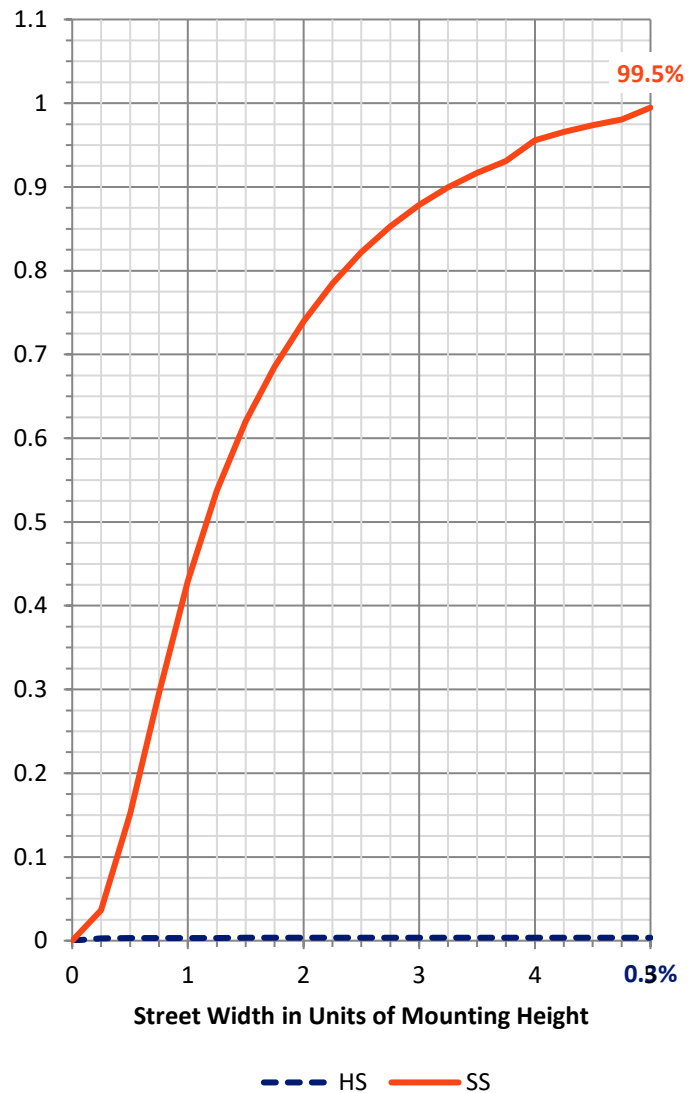
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.7	0.0	23.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6642.7	0.0	6642.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	6666.4	0.0	6666.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	71.2	1.1
20°-30°	253.7	3.8
30°-40°	611.5	9.2
40°-50°	1023.5	15.4
50°-60°	1314.5	19.7
60°-70°	1663.5	25.0
70°-80°	1483.1	22.2
80°-90°	239.7	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°	6666.4	100.0
0°-180°	6666.4	100.0



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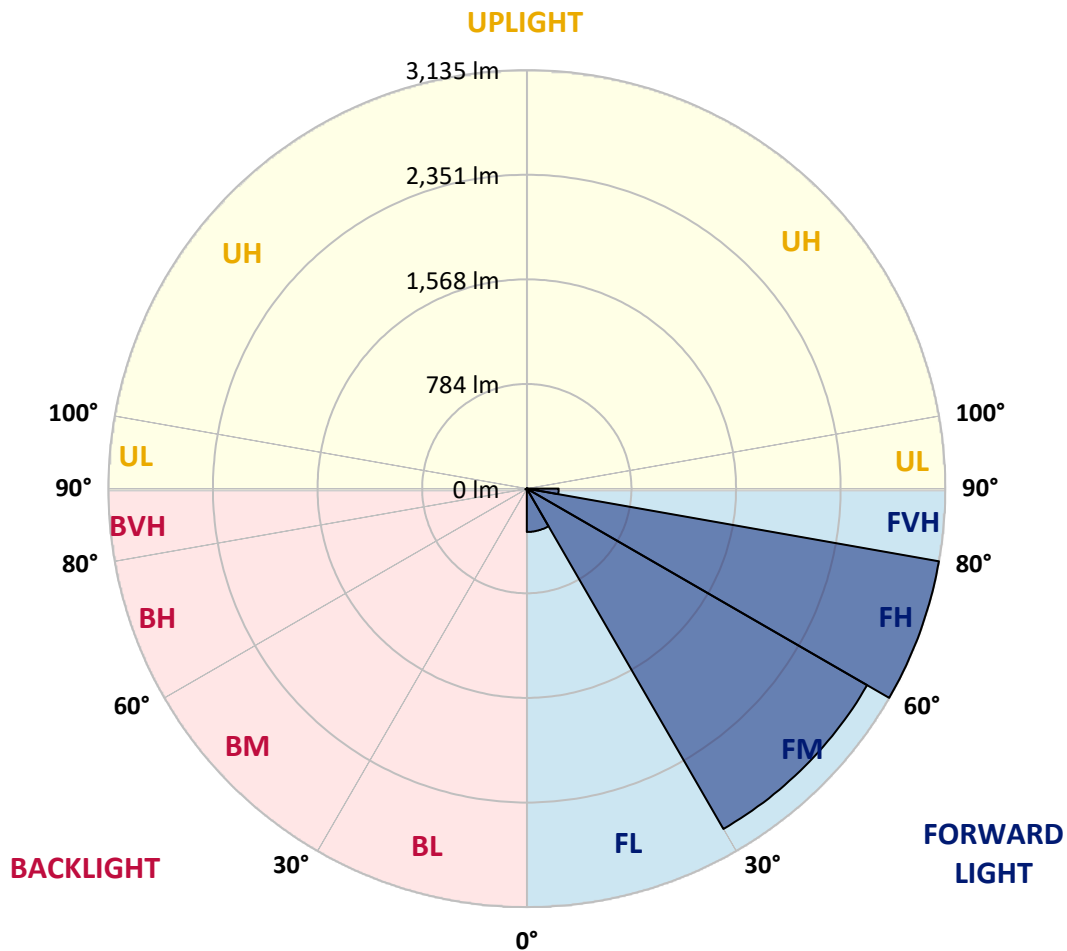
CATALOG NUMBER: GALN-SA2A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.8	4.9			
FM	(30°-60°)	2944.0	44.2			
FH	(60°-80°)	3135.2	47.0			G2/5000
FVH	(80°-90°)	238.6	3.6			G3/500
BL	(0°-30°)	5.7	0.1	B0/110		
BM	(30°-60°)	5.5	0.1	B0/220		
BH	(60°-80°)	11.4	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	42.0	42.0	42.0	40.6	40.6	40.2	39.7	39.7	38.8	38.4	37.5
5°	63.6	62.3	59.1	57.3	53.7	51.4	49.2	46.0	42.9	40.6	37.9
7.5°	144.0	147.1	136.7	117.3	97.5	88.9	74.5	60.0	49.6	42.9	38.4
10°	366.9	365.1	329.9	291.1	224.7	198.1	155.2	97.9	64.1	46.9	38.8
12.5°	624.1	622.3	580.8	528.0	440.4	384.9	303.7	182.8	92.1	53.3	38.8
15°	840.3	833.1	820.0	767.6	665.2	618.7	511.3	323.1	148.9	64.1	39.7
17.5°	983.3	977.0	964.8	945.9	880.9	825.8	739.6	507.7	241.0	83.0	41.5
20°	1114.7	1110.1	1100.2	1096.6	1054.6	1025.3	954.0	719.8	375.5	112.8	44.2
22.5°	1295.2	1285.7	1289.8	1268.1	1227.0	1191.8	1148.1	941.8	539.7	162.5	49.2
25°	1516.3	1511.8	1500.5	1485.2	1428.3	1397.6	1330.4	1151.2	723.4	227.4	54.6
27.5°	1783.5	1778.5	1775.8	1740.6	1675.1	1641.8	1547.9	1348.9	930.1	318.6	61.8
30°	2091.2	2093.5	2075.9	2030.8	1954.5	1907.6	1811.0	1556.0	1141.7	425.6	69.5
32.5°	2409.8	2405.3	2378.2	2325.0	2256.8	2213.1	2090.3	1783.0	1363.8	566.8	78.5
35°	2753.3	2744.7	2673.4	2612.5	2554.2	2499.2	2387.3	2046.6	1585.8	725.2	90.7
37.5°	3099.8	3059.7	2916.6	2839.5	2799.3	2754.2	2649.9	2327.7	1806.5	902.1	105.6
40°	3361.6	3330.4	3160.8	3018.6	2986.6	2948.2	2870.6	2570.5	2041.1	1092.1	123.7
42.5°	3506.4	3489.3	3336.8	3196.4	3121.0	3087.2	3020.9	2782.6	2273.1	1301.9	149.8
45°	3568.3	3541.6	3439.7	3374.2	3254.2	3198.2	3119.2	2942.8	2515.4	1540.2	186.4
47.5°	3549.3	3534.0	3460.9	3484.8	3397.7	3310.6	3194.6	3065.5	2722.6	1813.7	236.5
50°	3430.2	3417.1	3394.5	3524.0	3513.2	3410.3	3292.1	3162.6	2891.8	2095.7	314.1
52.5°	3203.6	3198.2	3256.0	3493.4	3578.6	3498.3	3386.0	3248.3	3049.7	2390.4	425.1
55°	2911.7	2933.8	3098.9	3445.5	3612.0	3563.3	3469.0	3328.6	3176.6	2654.0	588.9
57.5°	2791.6	2797.5	3003.7	3411.7	3626.9	3620.6	3549.8	3405.4	3293.0	2864.7	838.9
60°	2932.0	2922.9	3031.7	3437.4	3656.7	3672.1	3621.5	3476.7	3394.1	3045.7	1172.0
62.5°	3185.6	3180.6	3215.4	3547.1	3743.8	3775.0	3721.3	3528.1	3483.4	3164.8	1552.0
65°	3412.1	3401.7	3466.3	3741.6	3896.8	3918.9	3872.0	3616.1	3522.7	3251.5	1908.9
67.5°	3510.1	3507.8	3611.6	3926.6	4057.5	4081.4	4040.3	3737.5	3513.7	3279.0	2066.4
70°	3465.4	3456.8	3622.9	4005.1	4148.2	4175.2	4135.5	3782.6	3415.7	3191.9	1833.1
71°	3416.2	3393.2	3589.0	3999.7	4160.8	4183.8	4114.3	3741.6	3317.4	3068.2	1621.4
72.5°	3263.7	3267.7	3496.1	3943.3	4130.6	4123.8	3994.3	3594.4	3198.7	2787.6	1302.4
75°	2888.2	2912.1	3195.1	3706.4	3860.7	3774.5	3576.4	3313.3	2960.4	1998.7	904.4
77.5°	2360.2	2395.8	2706.8	3250.6	3206.8	3198.2	3190.1	2919.3	2528.1	1073.6	629.1
80°	1126.8	1204.0	1632.7	2320.5	2520.8	2617.9	2556.9	2352.5	1954.9	511.3	375.9
82.5°	73.6	72.7	102.9	195.0	821.8	1062.3	1687.8	1681.5	1362.9	249.1	153.4
85°	34.7	35.7	39.3	44.7	51.9	56.9	78.5	460.3	652.1	118.7	33.4
87.5°	20.3	20.8	24.4	31.1	40.6	45.1	53.7	69.0	84.8	65.4	7.2
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: P1048529

CATALOG NUMBER: GALN-SA2A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	37.0	36.6	35.2	33.8	32.5	31.6	31.1	31.6	31.6	32.0	32.0
5°	37.0	35.7	33.4	30.7	28.9	27.1	26.2	25.7	26.2	26.2	26.2
7.5°	36.6	34.3	31.1	28.0	25.7	23.5	22.6	22.1	22.1	22.6	22.6
10°	35.7	33.4	29.3	25.7	23.0	20.3	19.0	17.6	17.6	17.6	18.1
12.5°	35.2	32.0	27.1	23.5	19.9	16.7	14.0	12.6	13.1	13.1	13.1
15°	34.3	30.7	25.7	21.2	16.7	12.6	10.4	9.0	9.5	9.9	9.5
17.5°	34.3	30.2	23.9	18.5	13.1	9.5	7.7	6.8	6.8	7.2	7.2
20°	34.3	29.3	22.6	15.8	9.9	7.2	5.4	5.0	5.0	5.9	6.3
22.5°	35.2	29.3	20.8	13.1	8.1	5.4	4.1	3.6	4.1	5.0	5.4
25°	36.6	28.9	19.0	11.7	6.8	4.1	3.2	2.3	2.7	3.6	4.1
27.5°	37.9	28.4	17.1	10.4	5.4	3.2	2.3	1.8	1.4	1.8	1.8
30°	39.3	28.4	15.3	8.6	4.5	2.3	1.4	0.9	0.5	0.0	0.0
32.5°	40.2	27.5	14.0	6.8	3.6	1.8	0.9	0.5	0.0	0.0	0.0
35°	41.1	26.6	12.2	5.4	2.7	1.4	0.5	0.0	0.0	0.0	0.0
37.5°	42.0	25.3	10.4	4.5	2.3	0.9	0.0	0.0	0.0	0.0	0.0
40°	42.9	23.5	8.6	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	43.8	22.1	7.2	3.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	46.0	21.2	5.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	50.1	20.3	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	56.0	19.4	5.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	64.1	19.0	4.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	78.5	18.5	4.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	103.3	18.1	4.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	158.4	17.1	4.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	283.0	16.7	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	493.2	17.1	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	707.2	18.1	3.2	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	605.2	15.8	3.2	1.8	0.9	0.5	0.0	0.0	0.0	0.0	0.0
71°	493.2	14.0	3.2	1.8	0.9	0.5	0.5	0.0	0.0	0.0	0.0
72.5°	317.2	10.8	2.7	1.8	0.9	0.9	0.5	0.0	0.0	0.0	0.0
75°	134.0	9.0	2.7	1.8	1.4	0.9	0.9	0.5	0.0	0.0	0.0
77.5°	57.3	6.8	2.7	2.3	1.8	1.4	1.4	0.9	0.5	0.0	0.0
80°	21.7	5.4	3.2	2.7	2.3	2.3	1.8	0.9	0.5	0.0	0.0
82.5°	9.9	4.5	3.2	2.7	2.7	2.3	1.8	1.4	0.9	0.0	0.0
85°	6.3	4.1	3.2	2.7	2.7	2.3	2.3	1.4	0.9	0.0	0.0
87.5°	5.0	4.1	3.2	3.2	2.7	2.7	1.8	1.4	0.5	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

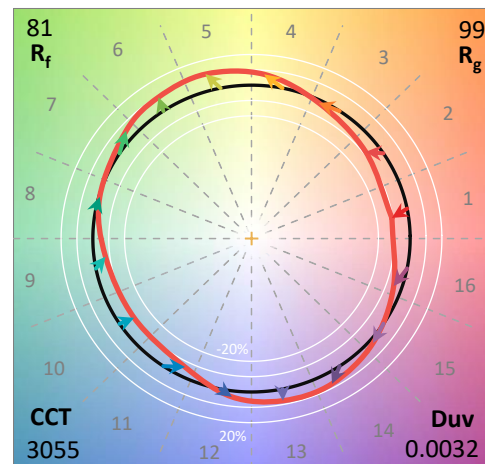
Test Information

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

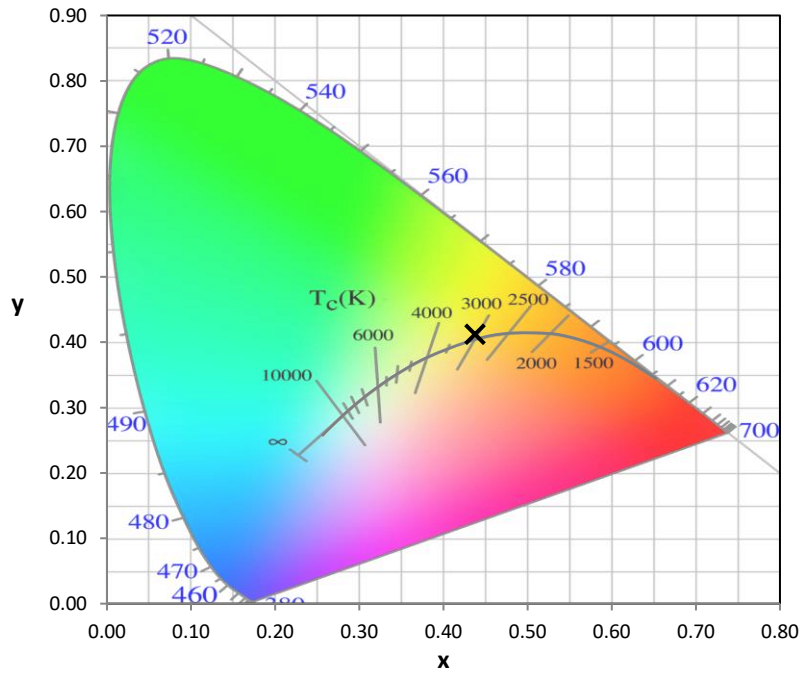
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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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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



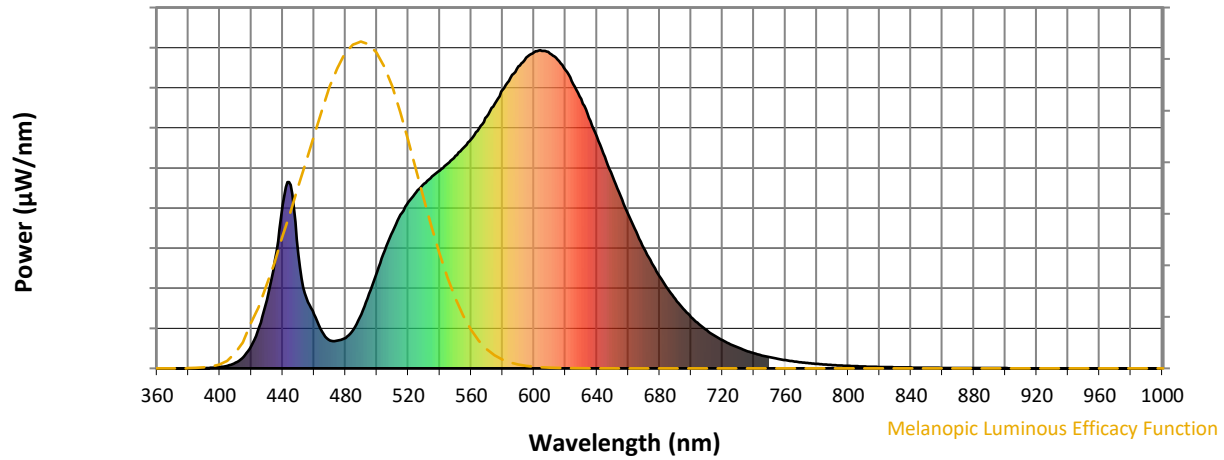
Scotopic Lumens: NR

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

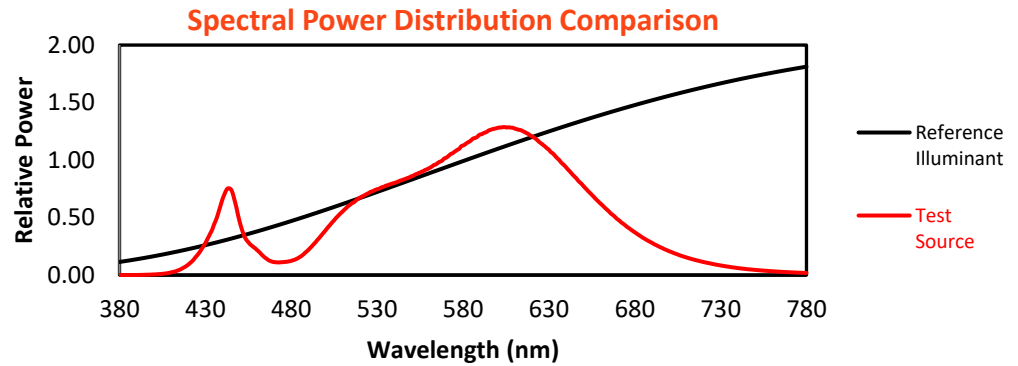
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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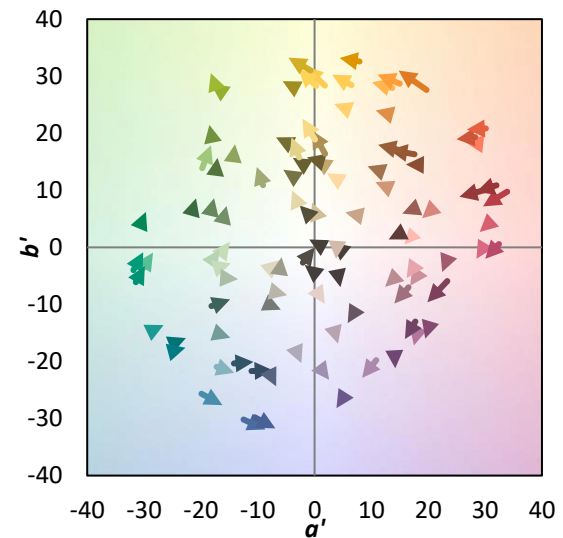
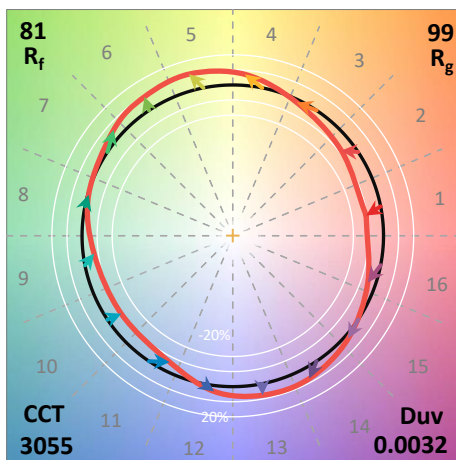
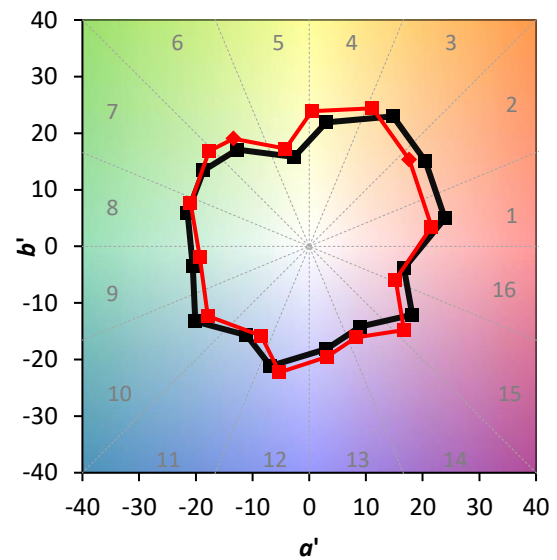
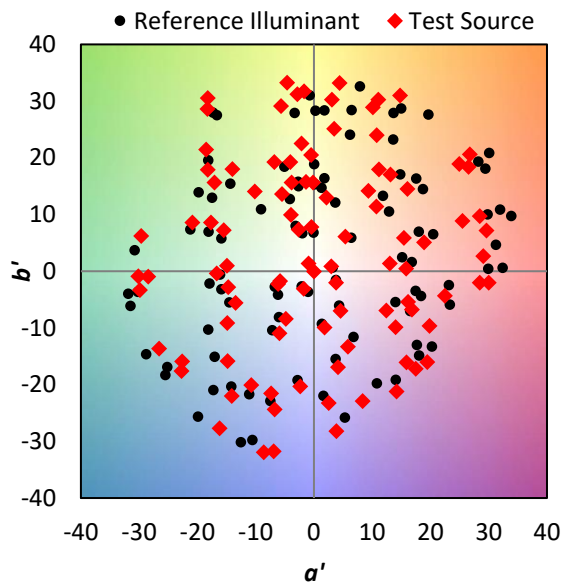
TM-30-18

Summary

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

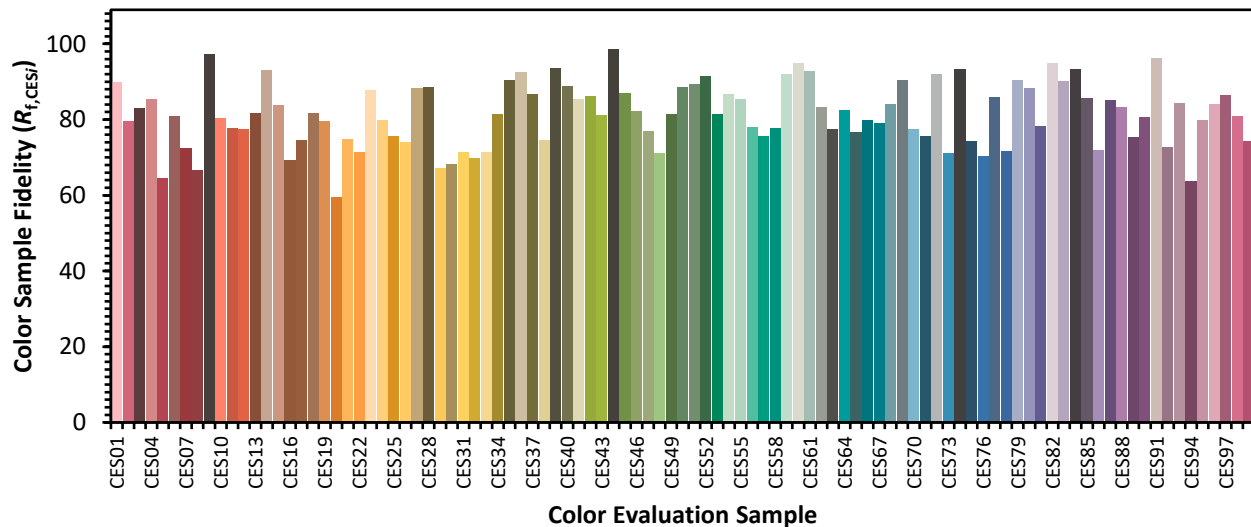


Color Vector Graphics

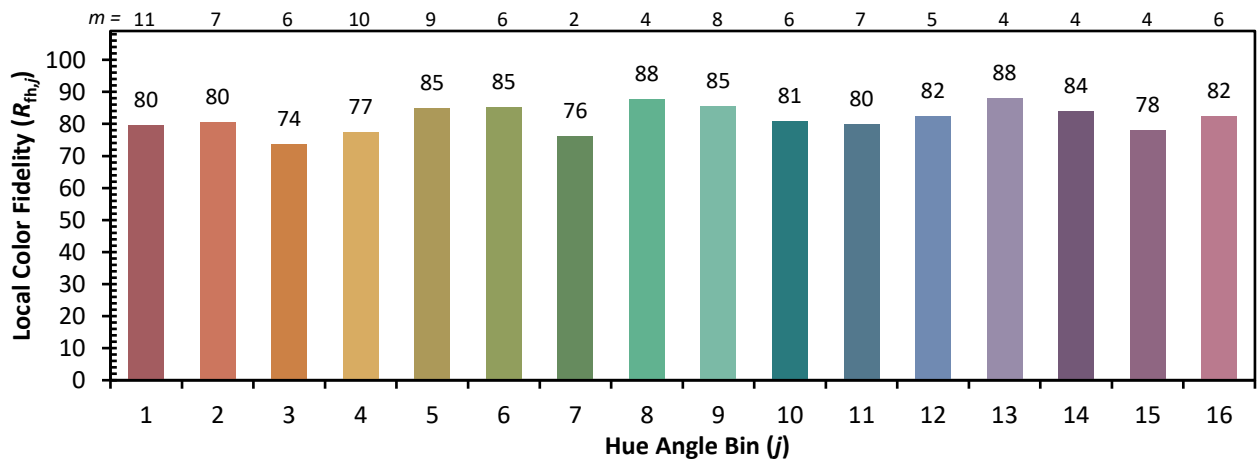
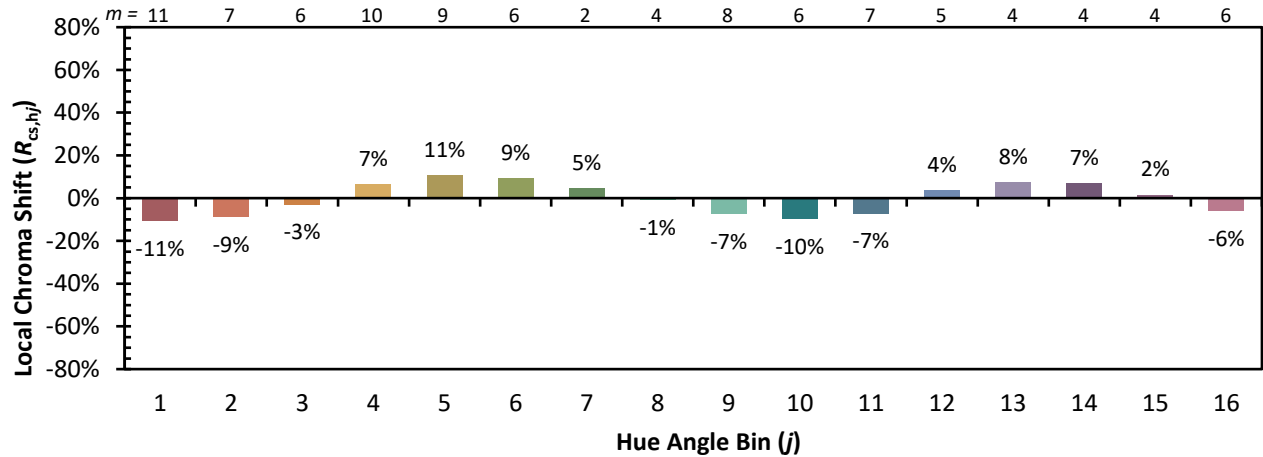


Individual Sample Fidelity Index ($R_{f,i}$)

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)