

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: P1047325

Luminaire Tested: **GALN-SA7A-830-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047325
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-830-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (98) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23461.3 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 193.1
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



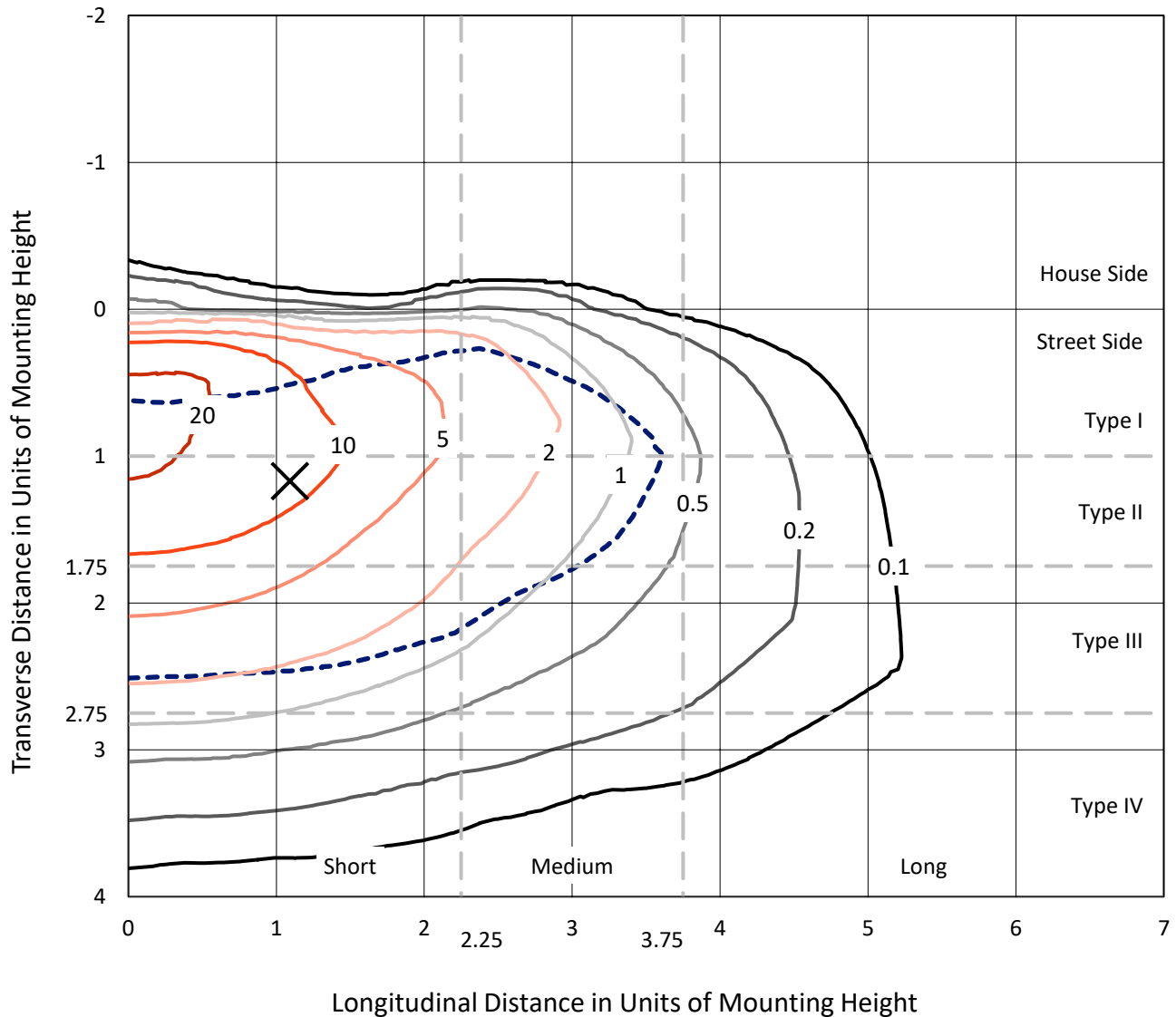
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CATALOG NUMBER: GALN-SA7A-830-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

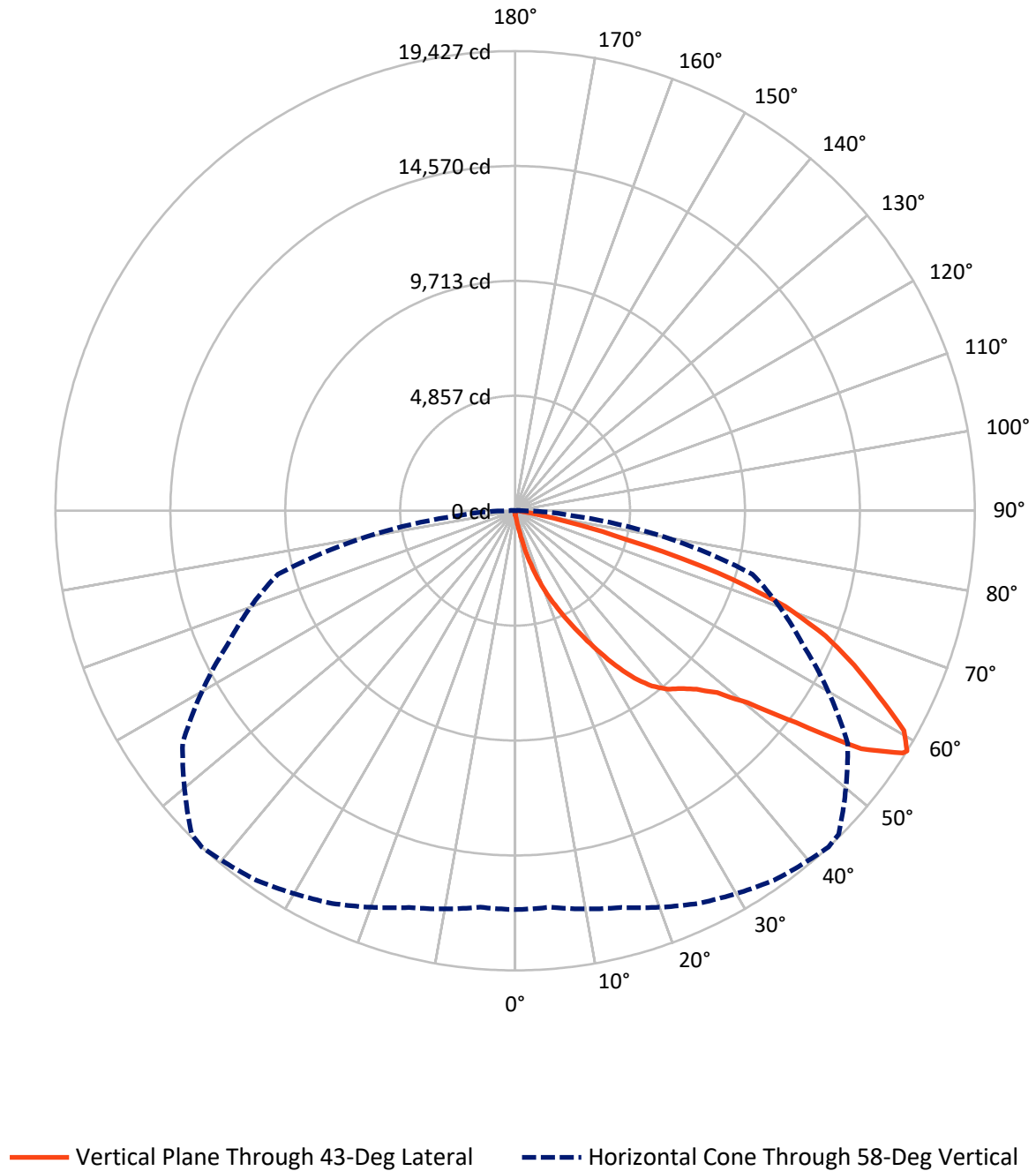


Based on 15 foot mounting height. Maximum calculated value = 26.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	85.6	0.0	85.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	23375.6	0.0	23375.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	23461.3	0.0	23461.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	0.1
10°-20°	269.7	1.1
20°-30°	972.0	4.1
30°-40°	2224.0	9.5
40°-50°	3751.0	16.0
50°-60°	6190.0	26.4
60°-70°	6918.2	29.5
70°-80°	2856.4	12.2
80°-90°	257.5	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°	23461.3	100.0
0°-180°	23461.3	100.0



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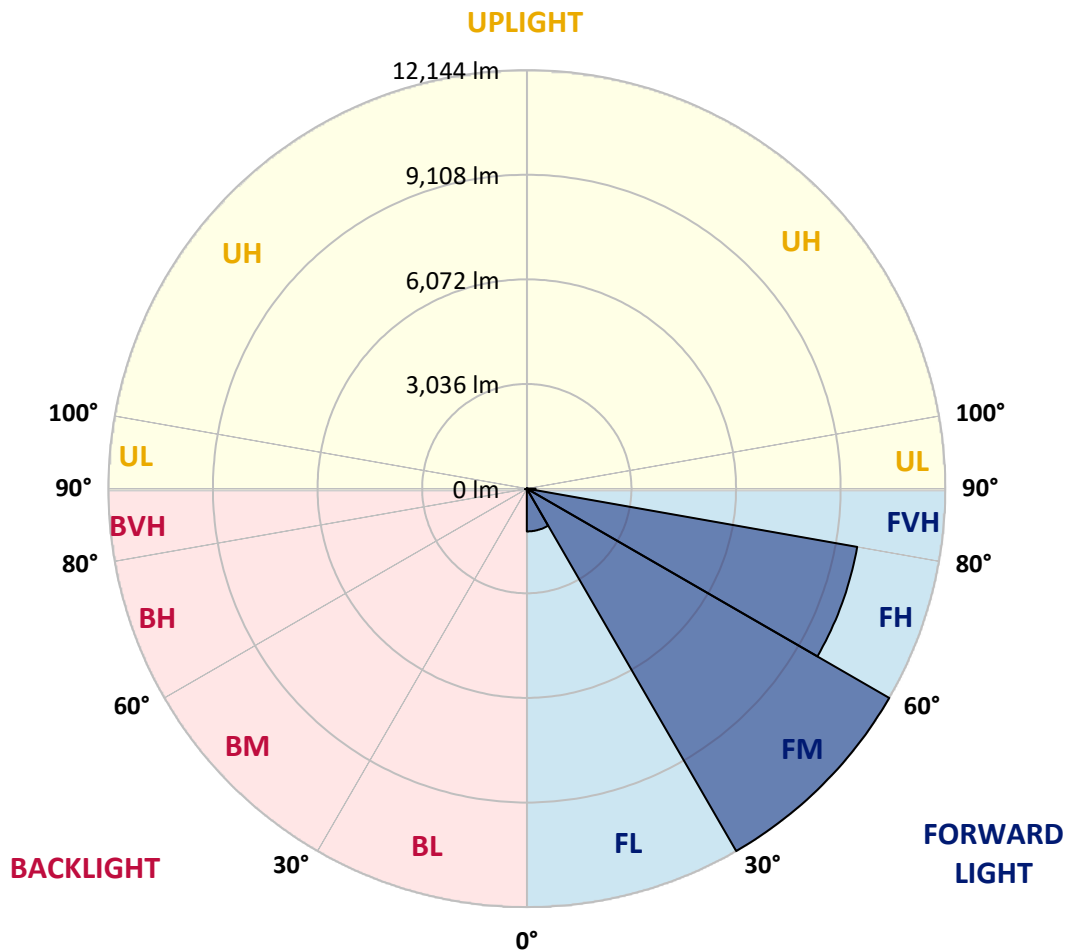
CATALOG NUMBER: GALN-SA7A-830-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1241.8	5.3			
FM	(30°-60°)	12144.5	51.8			
FH	(60°-80°)	9735.4	41.5			G4/12000
FVH	(80°-90°)	254.0	1.1			G3/500
BL	(0°-30°)	22.3	0.1	B0/110		
BM	(30°-60°)	20.5	0.1	B0/220		
BH	(60°-80°)	39.3	0.2	B0/110		G0/110
BVH	(80°-90°)	3.5	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-G4

Type III Short



REPORT NUMBER: P1047325

CATALOG NUMBER: GALN-SA7A-830-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4
2.5°	184.1	190.2	184.1	184.1	184.1	177.9	177.9	171.8	171.8	165.7	159.5
5°	270.0	270.0	251.6	239.3	227.0	220.9	214.8	202.5	190.2	177.9	165.7
7.5°	601.3	601.3	546.1	472.5	374.3	319.1	306.8	251.6	214.8	190.2	165.7
10°	1435.8	1435.8	1313.1	1110.6	859.1	638.2	570.7	362.0	257.7	202.5	171.8
12.5°	2386.9	2417.6	2264.2	2006.5	1632.2	1245.6	1110.6	662.7	343.6	220.9	171.8
15°	3239.9	3166.2	3123.3	2877.8	2521.9	2061.7	1889.9	1116.8	497.0	251.6	171.8
17.5°	3816.7	3816.7	3755.3	3589.6	3264.4	2859.4	2718.3	1804.0	803.8	288.4	177.9
20°	4491.6	4491.6	4381.2	4264.6	3976.2	3632.6	3497.6	2564.9	1245.6	368.2	177.9
22.5°	5307.7	5320.0	5197.3	4988.6	4712.5	4332.1	4215.5	3270.5	1804.0	490.9	184.1
25°	6301.8	6314.0	6136.1	5939.7	5516.4	5105.2	4927.3	4080.5	2485.1	687.2	184.1
27.5°	7400.1	7486.0	7222.2	6884.7	6436.8	5921.3	5786.3	4810.7	3160.1	969.5	196.4
30°	8768.5	8768.5	8418.7	7946.2	7461.5	6823.3	6651.5	5577.7	3878.0	1343.8	208.6
32.5°	9946.6	9854.6	9406.6	8909.6	8394.2	7799.0	7614.9	6381.5	4614.3	1810.1	233.2
35°	10848.6	10768.9	10216.6	9682.8	9234.8	8688.7	8467.8	7252.9	5393.6	2337.9	270.0
37.5°	11621.8	11591.1	10842.5	10173.7	9879.1	9400.5	9204.1	8075.1	6160.6	2908.5	312.9
40°	12468.6	12370.4	11572.7	10744.3	10302.5	9915.9	9738.0	8737.8	6897.0	3577.3	374.3
42.5°	13192.6	13076.0	12358.1	11548.1	10793.4	10271.8	10100.0	9296.2	7614.9	4246.2	454.1
45°	13996.4	13935.1	13211.0	12597.4	11591.1	10756.6	10529.5	9744.1	8271.5	5043.9	558.4
47.5°	15205.3	15094.8	14419.8	13916.7	12750.8	11492.9	11167.7	10204.3	8903.5	5829.3	717.9
50°	16610.4	16536.8	16137.9	15739.1	14579.4	12750.8	12364.2	10867.0	9609.1	6762.0	926.6
52.5°	17757.9	17745.6	17794.7	17800.8	16923.4	14867.8	14291.0	11934.7	10419.1	7682.4	1221.1
55°	17733.3	17788.6	18328.5	18948.3	19015.8	17757.9	17199.5	13732.6	11474.5	8817.6	1632.2
57.5°	17070.6	17027.7	17598.3	18531.0	19187.6	19322.6	19230.5	16524.5	13063.8	10185.9	2264.2
58°	16855.9	16819.0	17359.0	18310.1	19064.9	19426.9	19334.8	17156.5	13419.6	10382.3	2436.0
60°	16076.6	16082.7	16401.8	17267.0	18021.7	18880.8	18966.7	18960.5	15193.0	11695.4	3301.2
62.5°	15045.7	14996.6	15291.2	15996.8	16659.5	17236.3	17383.6	19083.3	17788.6	13364.4	4951.8
65°	13622.1	13548.5	13861.4	14659.1	15370.9	15745.2	15751.4	17438.8	19009.6	15156.2	7308.1
67.5°	10977.5	10916.1	11542.0	12566.7	13665.1	14156.0	14376.9	15131.6	17978.8	16371.1	8658.0
70°	6725.2	6854.0	7725.3	9333.0	11210.7	12112.7	12444.0	12677.2	15309.6	16187.0	7240.6
72.5°	3104.9	2951.5	3693.9	4816.8	6958.3	8964.8	9308.5	10222.7	12137.2	14051.7	5399.8
75°	1448.1	1392.9	1564.7	2104.7	3154.0	4841.4	5467.3	8161.0	9308.5	9774.8	3896.4
77.5°	742.5	748.6	889.7	957.2	1300.9	2239.7	2571.0	5369.1	6823.3	5455.0	2614.0
80°	325.2	337.5	343.6	374.3	527.7	865.2	975.6	2491.3	4663.4	2779.7	1429.7
82.5°	208.6	214.8	214.8	214.8	251.6	343.6	392.7	1000.2	2325.6	1380.6	441.8
85°	110.4	110.4	122.7	153.4	177.9	208.6	220.9	319.1	767.0	411.1	104.3
87.5°	61.4	67.5	73.6	92.0	116.6	141.1	153.4	220.9	294.5	282.3	24.5
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: P1047325

CATALOG NUMBER: GALN-SA7A-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4
2.5°	159.5	153.4	147.3	141.1	135.0	128.9	128.9	128.9	128.9	128.9	128.9
5°	153.4	147.3	141.1	128.9	116.6	110.4	104.3	98.2	98.2	98.2	98.2
7.5°	153.4	147.3	128.9	116.6	104.3	92.0	79.8	79.8	79.8	79.8	79.8
10°	153.4	141.1	122.7	104.3	85.9	73.6	67.5	61.4	61.4	61.4	61.4
12.5°	153.4	135.0	116.6	92.0	73.6	61.4	55.2	49.1	49.1	49.1	49.1
15°	153.4	135.0	110.4	85.9	67.5	49.1	43.0	36.8	36.8	36.8	36.8
17.5°	147.3	128.9	104.3	73.6	55.2	36.8	30.7	24.5	24.5	30.7	30.7
20°	141.1	122.7	92.0	61.4	43.0	30.7	18.4	18.4	18.4	18.4	18.4
22.5°	141.1	122.7	85.9	55.2	36.8	18.4	12.3	12.3	12.3	12.3	18.4
25°	141.1	116.6	73.6	43.0	24.5	12.3	6.1	6.1	6.1	6.1	6.1
27.5°	141.1	116.6	67.5	36.8	18.4	12.3	6.1	0.0	0.0	0.0	0.0
30°	135.0	110.4	61.4	30.7	12.3	6.1	0.0	0.0	0.0	0.0	0.0
32.5°	135.0	104.3	49.1	24.5	12.3	6.1	0.0	0.0	0.0	0.0	0.0
35°	141.1	98.2	43.0	18.4	6.1	0.0	0.0	0.0	0.0	0.0	6.1
37.5°	147.3	92.0	36.8	12.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	153.4	85.9	36.8	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	165.7	85.9	30.7	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	177.9	85.9	24.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	202.5	92.0	24.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	220.9	98.2	18.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	245.4	92.0	18.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	276.1	92.0	18.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	300.7	85.9	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	312.9	79.8	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	374.3	73.6	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	582.9	61.4	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1184.3	55.2	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2209.0	49.1	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2472.8	55.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1558.6	43.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	822.2	43.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	411.1	43.0	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	190.2	30.7	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	79.8	18.4	12.3	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.8	18.4	12.3	12.3	6.1	6.1	0.0	0.0	0.0	0.0	0.0
87.5°	18.4	18.4	18.4	12.3	12.3	6.1	6.1	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

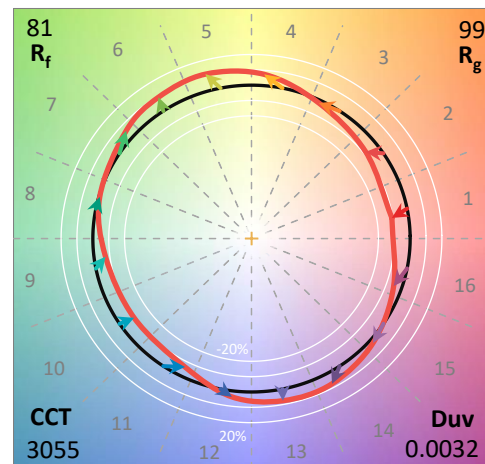
Test Information

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

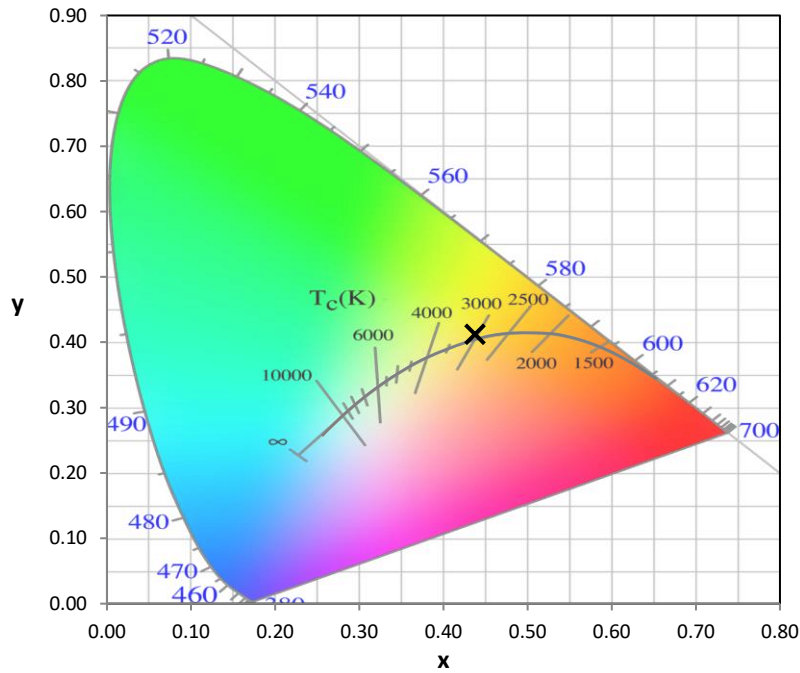
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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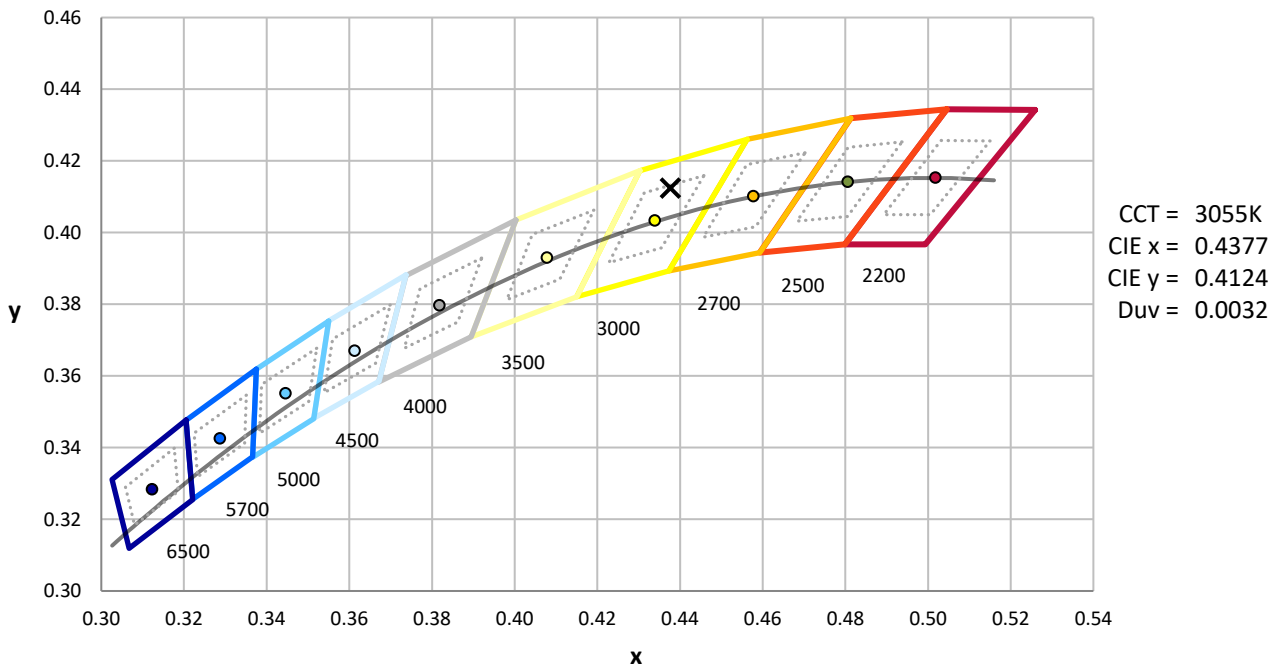
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



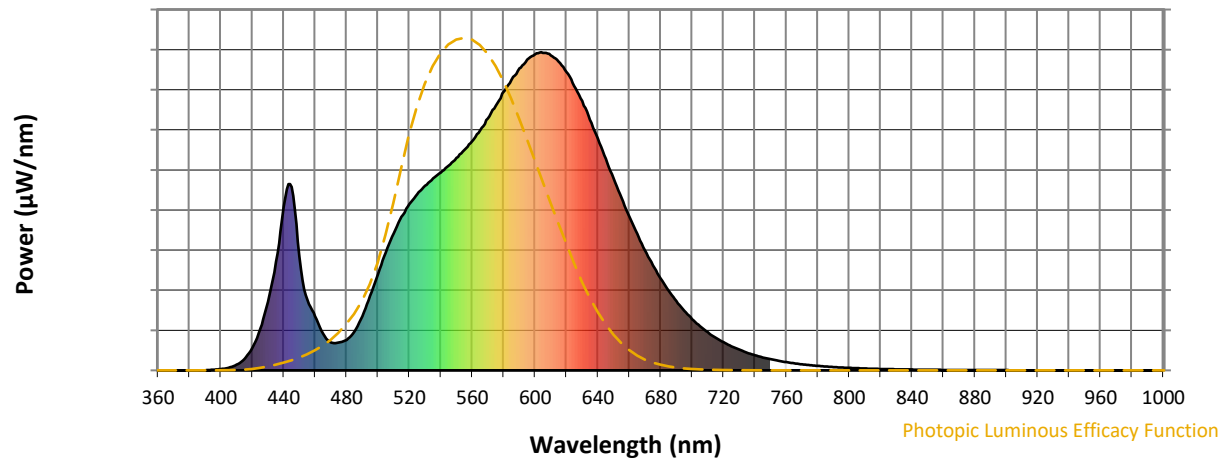
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

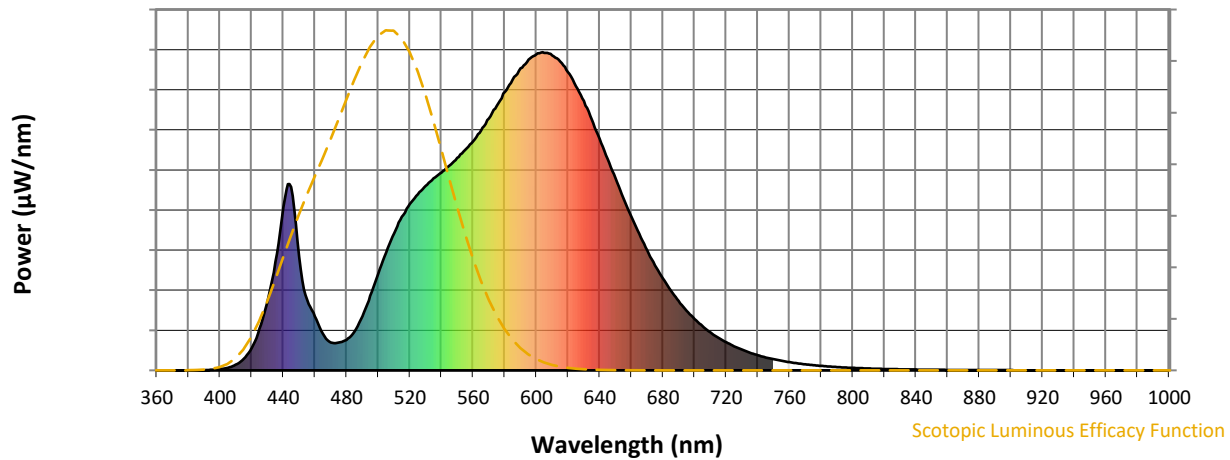


Photopic Lumens: NR

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



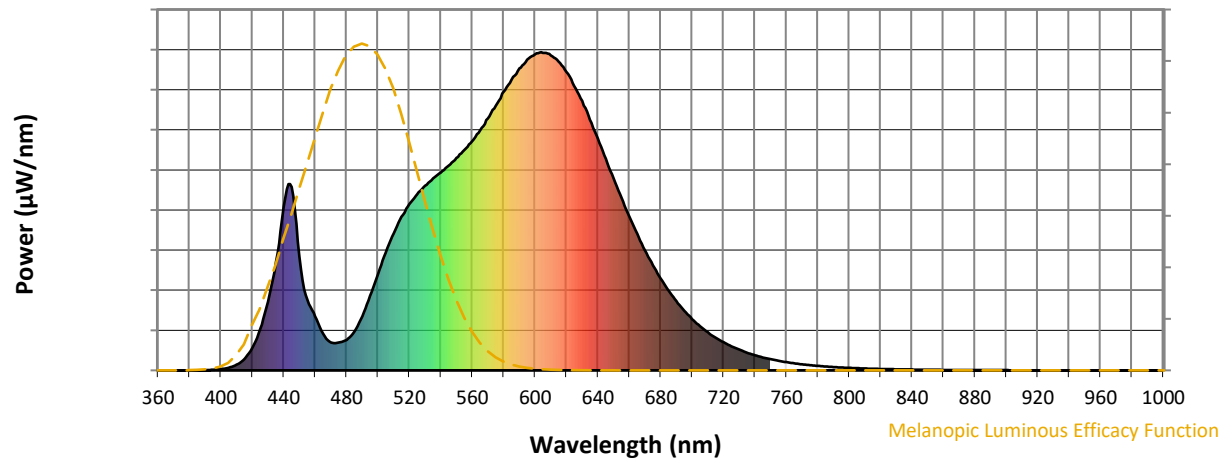
Scotopic Lumens: NR

S/P: 1.28

λ (nm)	Power 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

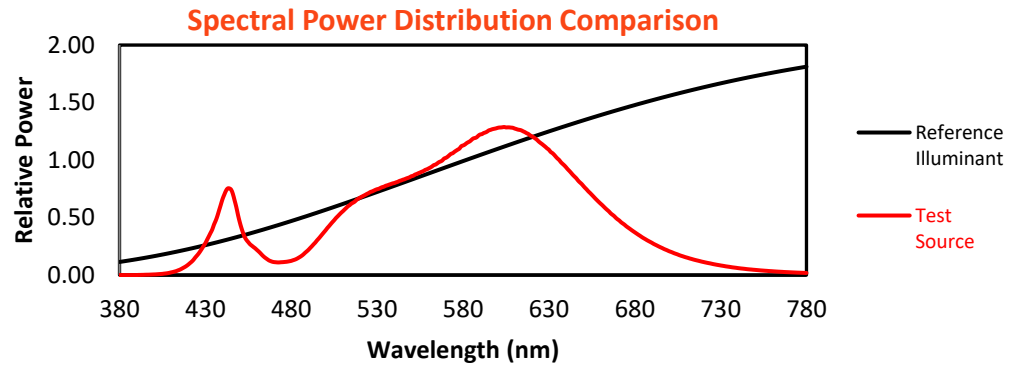
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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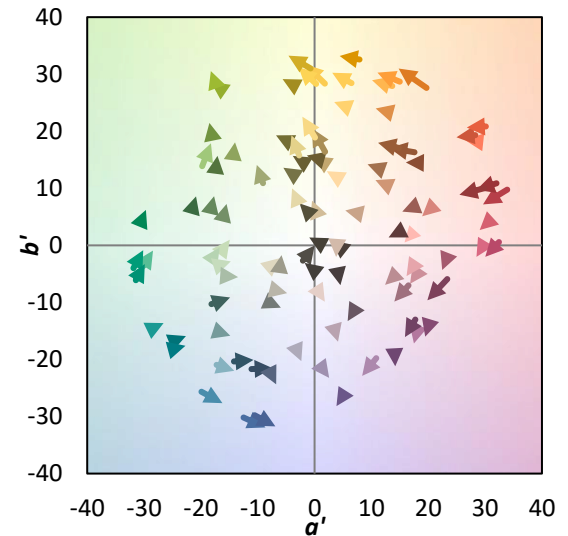
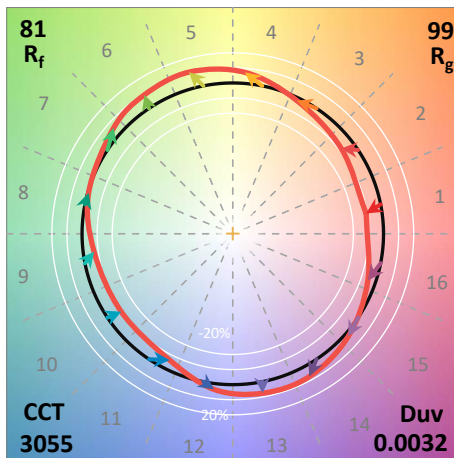
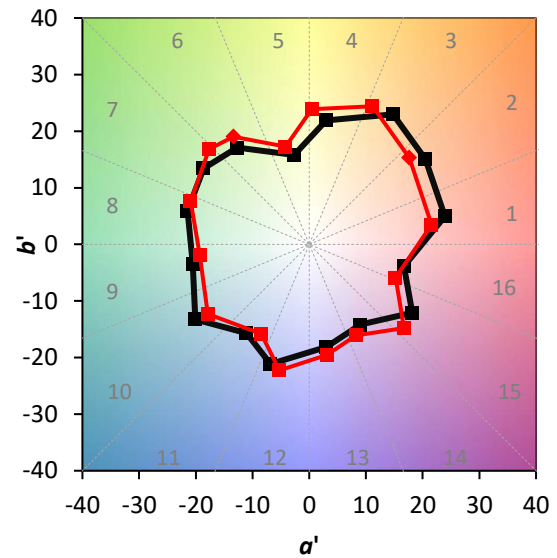
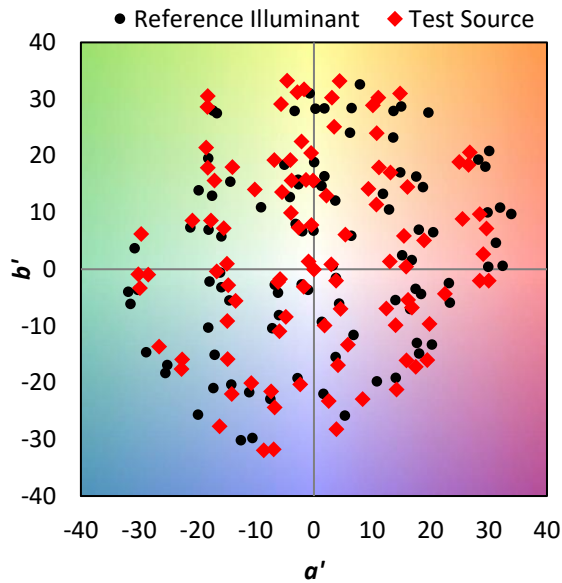
TM-30-18

Summary

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

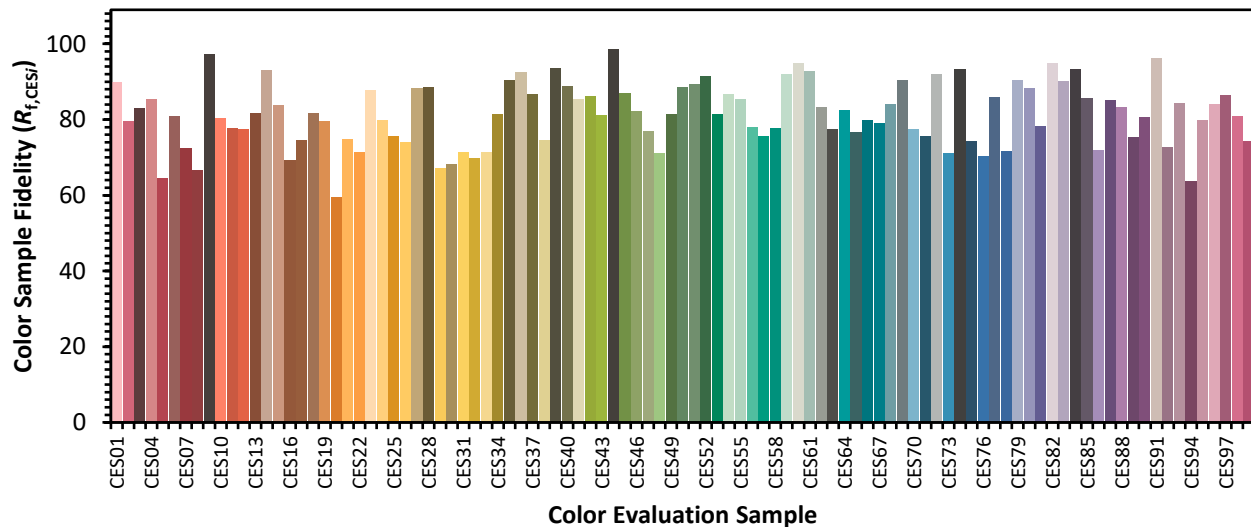


Color Vector Graphics

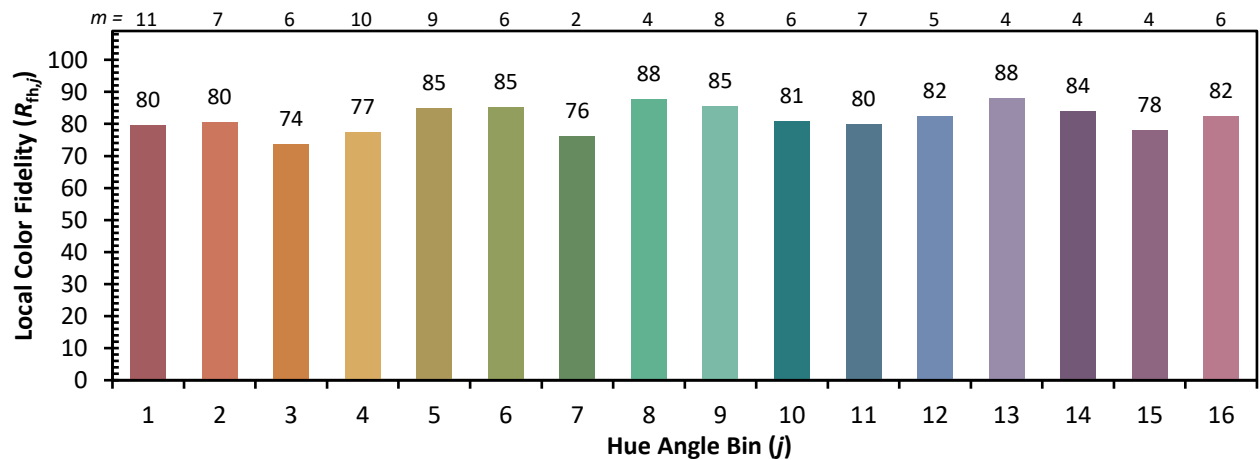
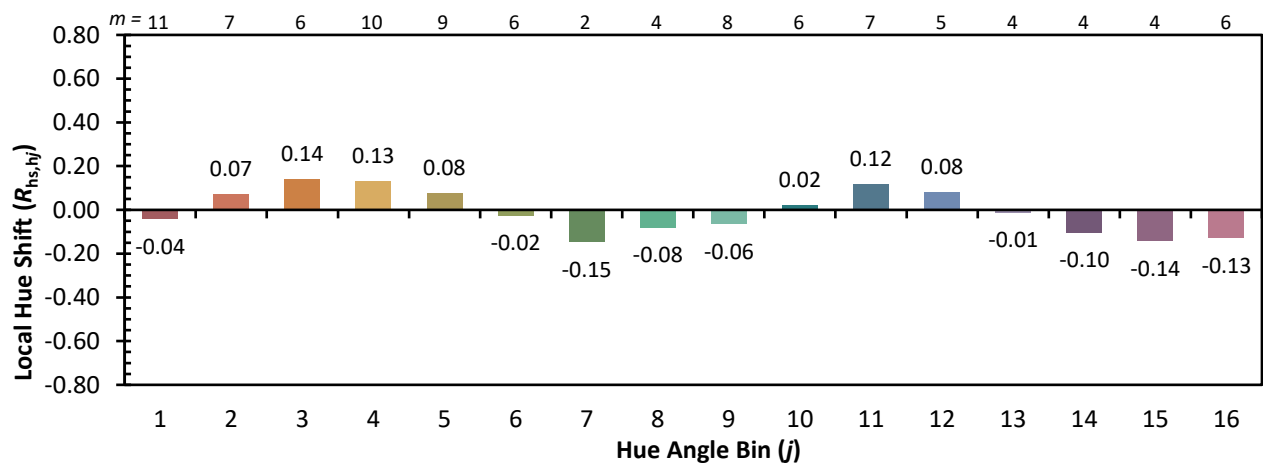
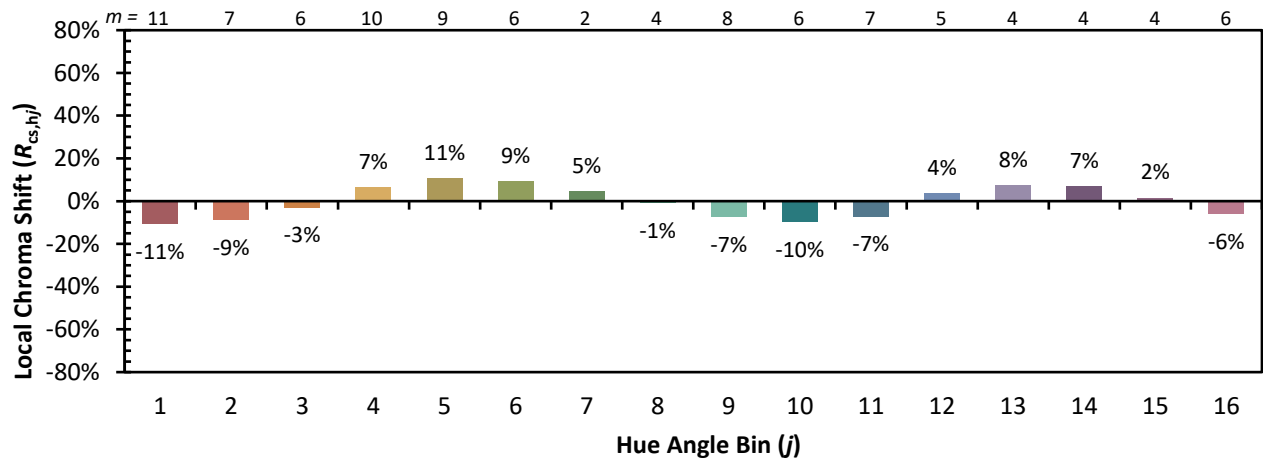


Individual Sample Fidelity Index ($R_{f,i}$)

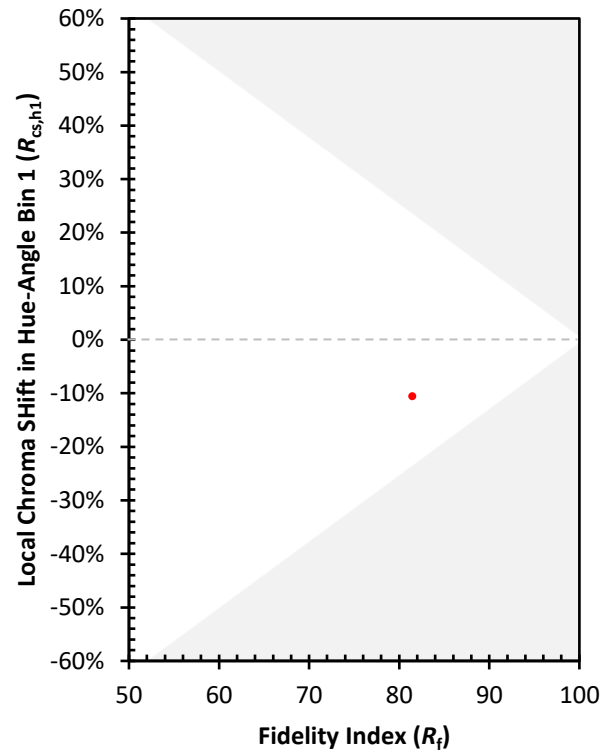
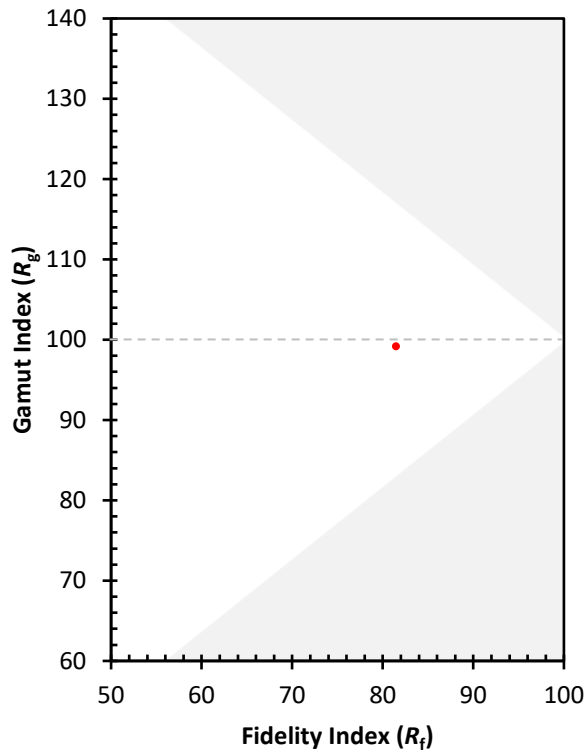
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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