

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: P1047938

Luminaire Tested: **GALN-SA7B-830-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047938
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-830-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 7xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (98) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27994.2 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 249.5
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

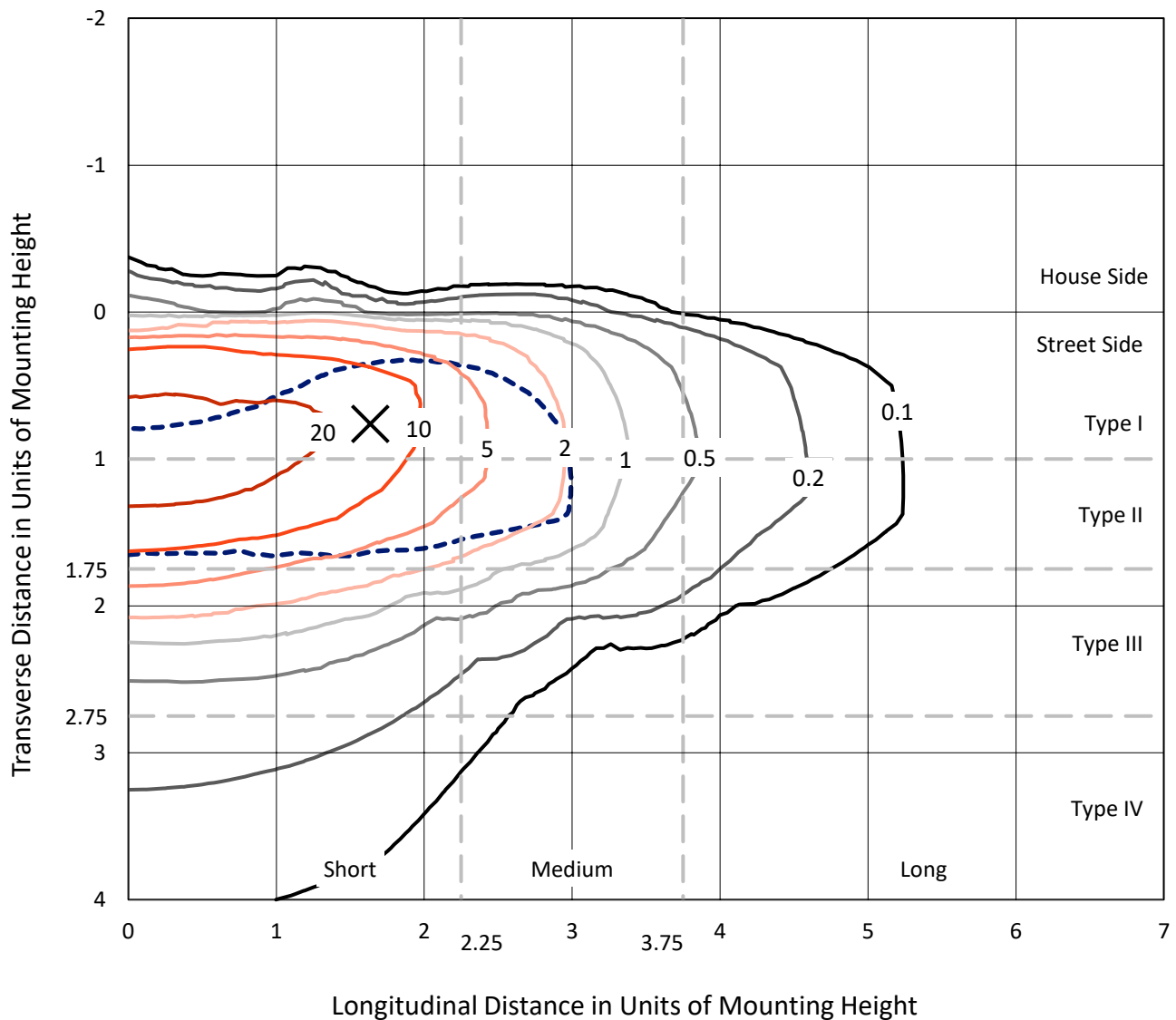


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

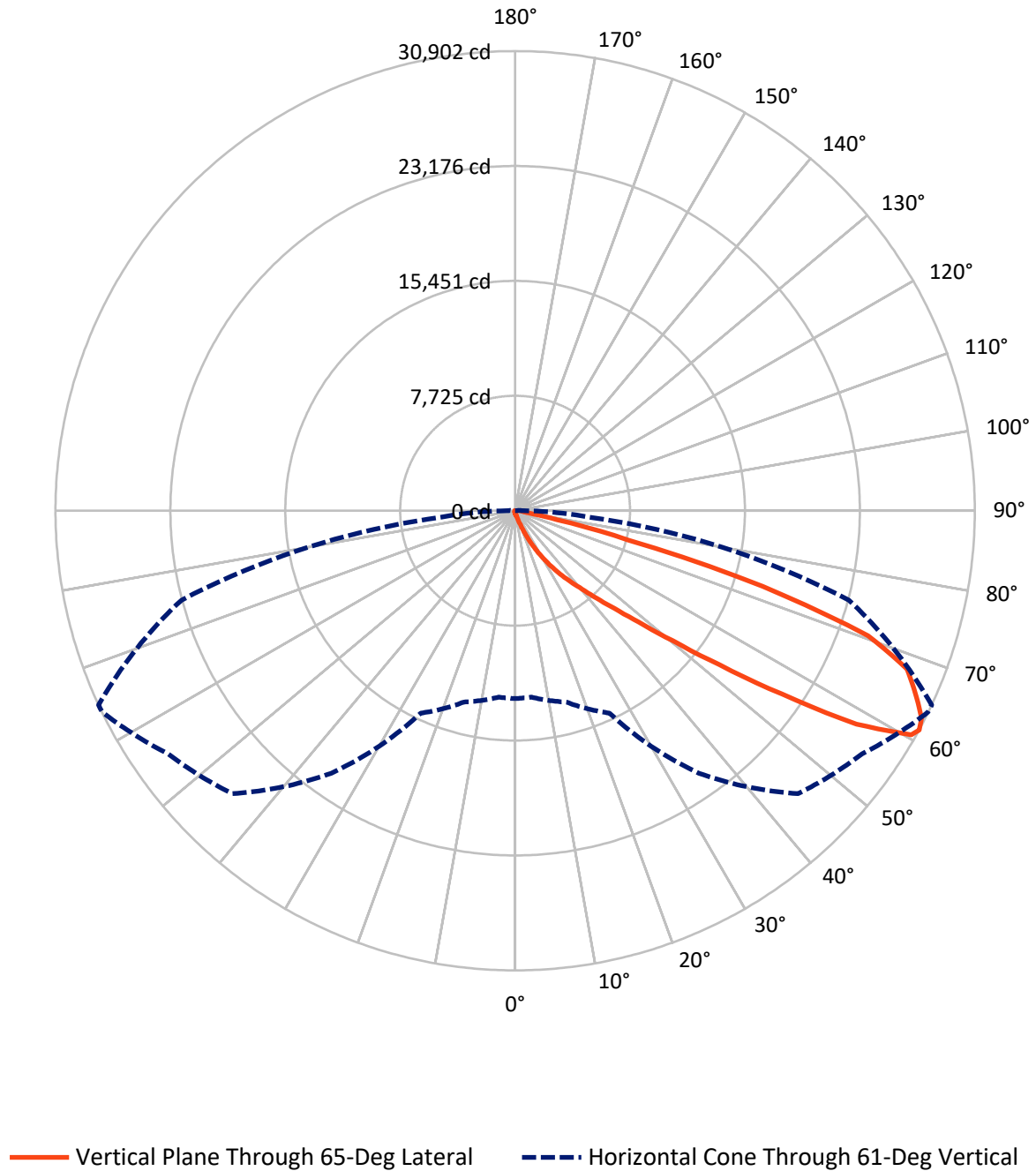


Based on 15 foot mounting height. Maximum calculated value = 37 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	119.5	0.0	119.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	27874.7	0.0	27874.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	27994.2	0.0	27994.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.1
10°-20°	230.2	0.8
20°-30°	826.1	3.0
30°-40°	2199.5	7.9
40°-50°	5778.2	20.6
50°-60°	8951.5	32.0
60°-70°	7505.7	26.8
70°-80°	2208.8	7.9
80°-90°	272.5	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°	27994.2	100.0
0°-180°	27994.2	100.0



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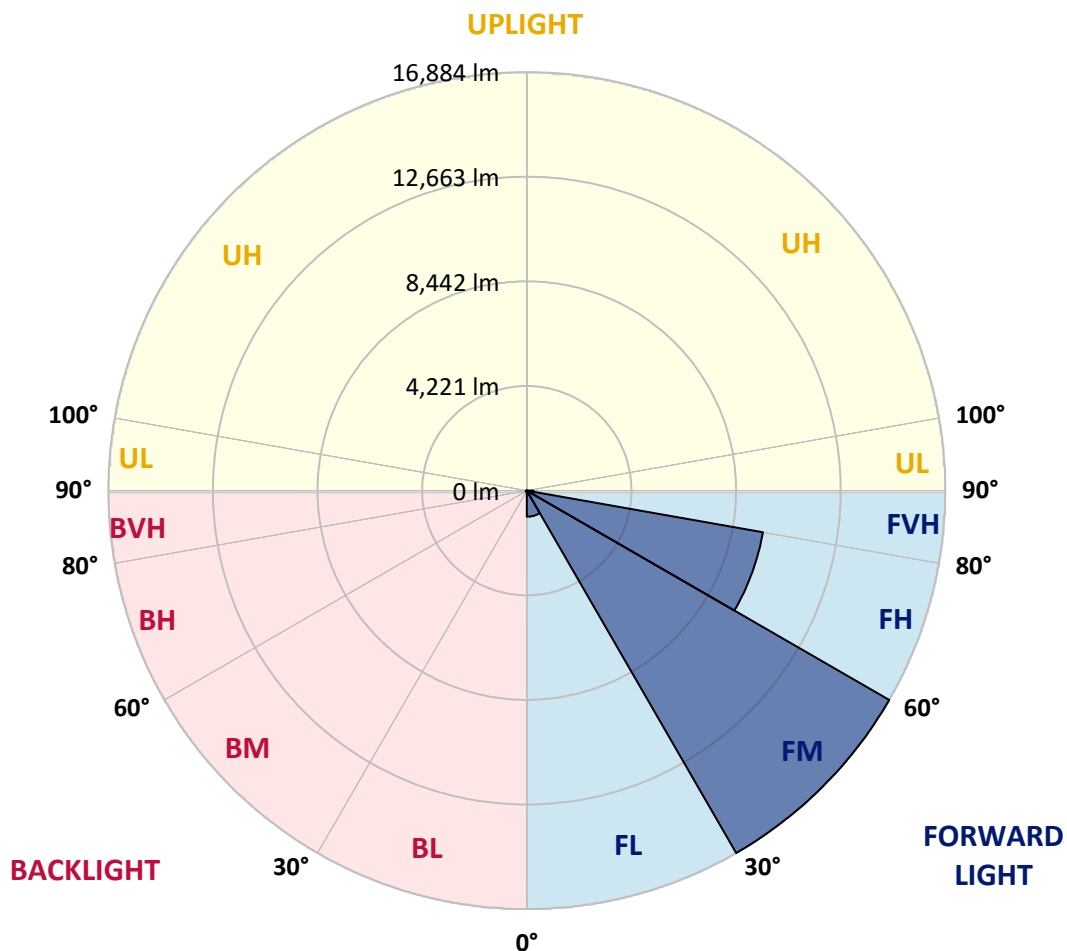
CATALOG NUMBER: GALN-SA7B-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1051.3	3.8			
FM	(30°-60°)	16883.7	60.3			
FH	(60°-80°)	9672.3	34.6			G4/12000
FVH	(80°-90°)	267.4	1.0			G3/500
BL	(0°-30°)	26.8	0.1	B0/110		
BM	(30°-60°)	45.5	0.2	B0/220		
BH	(60°-80°)	42.2	0.2	B0/110		G0/110
BVH	(80°-90°)	5.1	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-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4
2.5°	208.0	209.9	206.0	198.3	192.6	192.6	190.6	184.9	184.9	179.1	175.2
5°	290.8	286.9	279.2	263.8	250.3	236.9	223.4	209.9	208.0	190.6	179.1
7.5°	475.6	479.5	454.5	406.3	365.9	313.9	265.7	236.9	233.0	204.1	181.0
10°	1043.7	1014.8	957.1	770.3	633.6	477.6	354.3	275.4	271.5	219.5	184.9
12.5°	1902.6	1879.5	1773.6	1581.0	1228.6	855.0	518.0	340.8	329.3	233.0	186.8
15°	2742.2	2705.6	2647.8	2453.3	2041.2	1532.9	847.3	466.0	435.2	252.3	184.9
17.5°	3277.5	3283.3	3231.3	3148.5	2882.8	2268.5	1463.5	695.2	635.5	286.9	181.0
20°	3745.5	3732.0	3760.9	3716.6	3529.8	3083.0	2129.8	1101.5	999.4	342.8	182.9
22.5°	4284.7	4317.4	4338.6	4329.0	4122.9	3741.6	2886.6	1648.4	1519.4	444.8	188.7
25°	5006.8	5003.0	5004.9	4979.9	4779.6	4355.9	3645.4	2328.2	2197.2	610.4	202.2
27.5°	5763.6	5786.7	5796.4	5705.9	5444.0	5028.0	4348.2	3071.5	2917.4	876.2	219.5
30°	6797.7	6778.5	6734.2	6549.3	6231.6	5715.5	5041.5	3851.4	3689.6	1247.9	246.5
32.5°	8191.9	8170.7	7947.4	7539.1	7063.5	6431.8	5738.6	4633.2	4436.8	1711.9	283.1
35°	10489.3	10522.0	9973.2	8916.0	8062.9	7292.6	6510.8	5411.2	5237.9	2283.9	333.1
37.5°	14007.5	13828.5	13083.2	11215.3	9378.2	8367.2	7248.3	6196.9	6046.7	2988.7	398.6
40°	17425.7	17248.5	17032.8	15263.1	11664.0	9551.5	8280.5	7119.3	6924.8	3784.0	494.9
42.5°	21019.0	20920.8	20911.2	19576.7	15835.0	11413.6	9522.6	8199.6	8034.0	4656.3	652.8
45°	23564.8	23466.6	23672.6	23905.6	21515.9	15403.7	11685.1	9603.5	9362.8	5715.5	905.1
47.5°	23907.6	23911.4	24462.2	25192.0	25737.0	21575.5	14566.0	11463.7	11171.0	7231.0	1328.7
50°	22767.6	22811.8	23688.0	24993.7	26461.0	26753.8	19646.0	14163.5	13730.2	9027.7	1929.6
52.5°	20597.3	20647.4	21868.3	24015.4	25794.8	27997.8	25627.2	17695.3	17196.5	11269.2	2776.9
55°	18642.7	18673.5	20073.5	22786.8	24991.7	27321.8	29178.2	22411.3	21756.6	14026.8	3612.6
57.5°	16707.4	16636.1	17547.0	20653.1	24855.0	26491.9	29702.0	27785.9	27063.8	17040.5	4263.5
60°	14119.2	13999.8	14731.6	16707.4	23056.4	27036.8	28721.8	30759.2	30595.5	21236.6	4766.1
61°	12630.7	12580.6	13316.2	15010.8	21542.8	26898.2	28486.9	30884.4	30901.7	23222.0	4991.4
62.5°	9020.0	9162.5	10287.1	12490.1	18043.8	25998.9	28517.7	30497.3	30668.7	25860.2	5574.9
65°	4009.3	4238.5	5112.7	6905.6	10493.1	21627.5	28244.2	29648.1	29563.4	26584.3	7585.3
67.5°	2378.2	2412.9	2848.1	3913.0	5557.6	11633.2	24924.3	28525.4	28411.8	23143.1	9437.9
70°	1873.7	1891.0	2029.7	2455.3	3225.5	4456.1	14225.1	24679.8	25174.7	18766.0	9239.5
72.5°	1777.4	1773.6	1792.8	1867.9	2031.6	2210.7	5507.5	16405.0	17412.2	13514.6	7747.1
75°	1754.3	1746.6	1727.4	1698.5	1471.2	1301.8	1706.2	7256.0	7839.5	9233.7	5832.9
77.5°	1702.3	1704.2	1708.1	1629.1	1261.3	920.5	826.1	2328.2	2863.5	5859.9	4146.0
80°	1151.6	1168.9	1197.8	1167.0	1134.2	666.3	583.5	828.1	839.6	3289.1	2738.3
82.5°	583.5	583.5	570.0	508.4	439.1	433.3	464.1	600.8	608.5	1663.8	1288.3
85°	352.4	371.7	379.4	344.7	315.8	290.8	354.3	477.6	494.9	645.1	300.4
87.5°	79.0	80.9	88.6	117.5	171.4	233.0	329.3	437.1	444.8	414.0	36.6
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-SA7B-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4
2.5°	173.3	169.5	167.5	161.8	156.0	150.2	146.4	144.4	146.4	148.3	148.3
5°	171.4	165.6	156.0	146.4	138.7	130.9	123.2	121.3	121.3	123.2	123.2
7.5°	171.4	161.8	148.3	136.7	125.2	113.6	107.8	104.0	105.9	105.9	105.9
10°	171.4	159.8	142.5	125.2	111.7	98.2	88.6	84.7	84.7	84.7	84.7
12.5°	169.5	157.9	136.7	115.5	96.3	80.9	69.3	63.5	65.5	65.5	65.5
15°	165.6	152.1	129.0	98.2	77.0	61.6	50.1	44.3	46.2	50.1	52.0
17.5°	159.8	146.4	115.5	82.8	61.6	46.2	34.7	30.8	32.7	38.5	38.5
20°	157.9	140.6	102.1	67.4	46.2	32.7	23.1	19.3	21.2	28.9	30.8
22.5°	157.9	136.7	92.4	55.8	34.7	21.2	13.5	7.7	7.7	13.5	13.5
25°	159.8	134.8	84.7	46.2	25.0	15.4	7.7	3.9	7.7	21.2	25.0
27.5°	163.7	132.9	80.9	38.5	19.3	13.5	5.8	13.5	23.1	23.1	23.1
30°	167.5	129.0	75.1	32.7	17.3	9.6	9.6	19.3	19.3	23.1	25.0
32.5°	173.3	127.1	71.3	28.9	13.5	7.7	13.5	11.6	11.6	13.5	15.4
35°	184.9	129.0	67.4	28.9	13.5	9.6	11.6	5.8	3.9	3.9	3.9
37.5°	200.3	130.9	61.6	25.0	11.6	11.6	5.8	0.0	0.0	0.0	0.0
40°	225.3	136.7	57.8	23.1	9.6	9.6	1.9	0.0	0.0	0.0	0.0
42.5°	267.7	148.3	55.8	21.2	9.6	7.7	0.0	0.0	0.0	0.0	0.0
45°	352.4	175.2	52.0	19.3	9.6	3.9	0.0	0.0	0.0	0.0	0.0
47.5°	506.5	238.8	50.1	15.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	739.5	323.5	48.1	13.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	943.6	340.8	32.7	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	966.7	234.9	25.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	770.3	152.1	21.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	583.5	115.5	19.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	560.4	104.0	19.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	618.1	90.5	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1005.2	75.1	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1746.6	65.5	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2206.9	61.6	11.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1923.8	55.8	11.6	3.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	1157.3	48.1	11.6	7.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	606.6	36.6	11.6	9.6	5.8	1.9	0.0	0.0	0.0	0.0	0.0
80°	294.6	32.7	13.5	9.6	7.7	3.9	0.0	0.0	0.0	0.0	0.0
82.5°	115.5	27.0	15.4	13.5	9.6	5.8	1.9	0.0	0.0	0.0	0.0
85°	52.0	23.1	17.3	15.4	13.5	7.7	1.9	0.0	0.0	0.0	0.0
87.5°	27.0	21.2	19.3	17.3	13.5	9.6	3.9	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

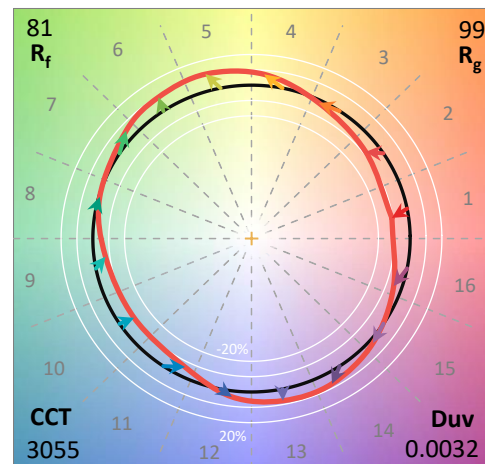
Test Information

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

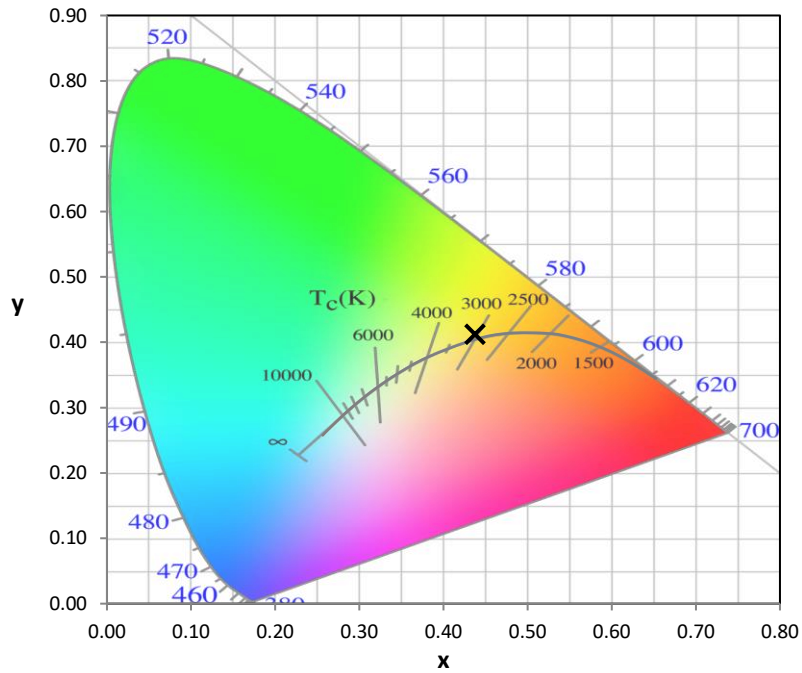
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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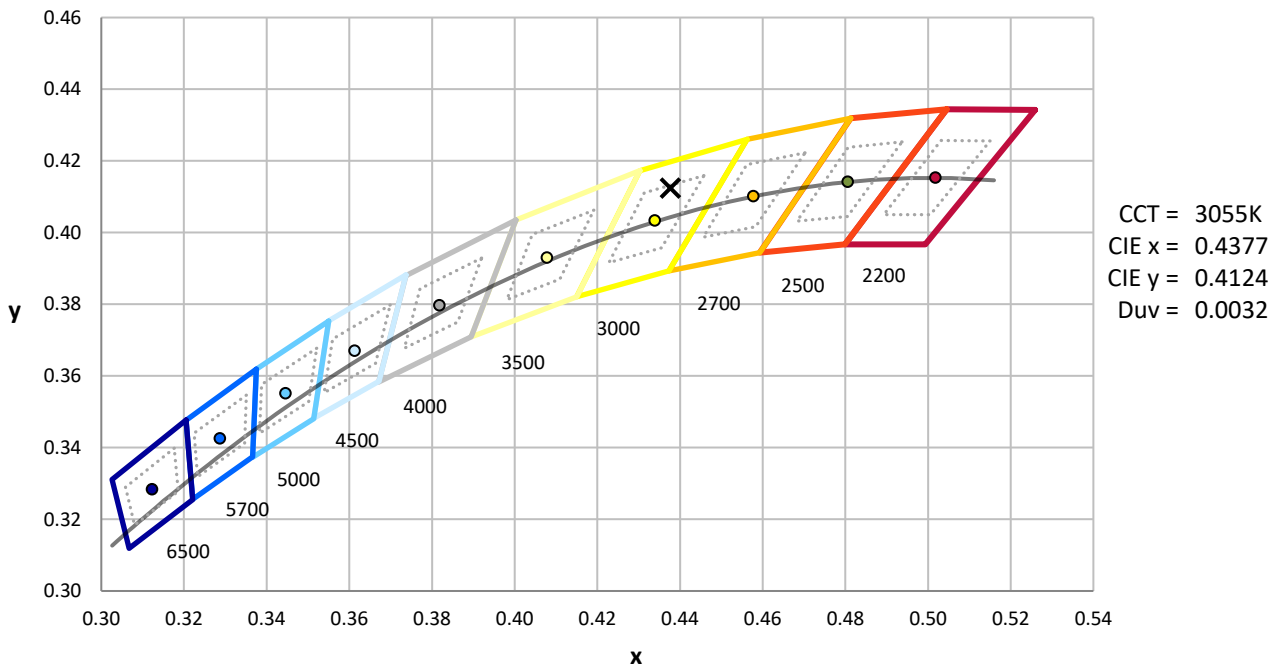
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



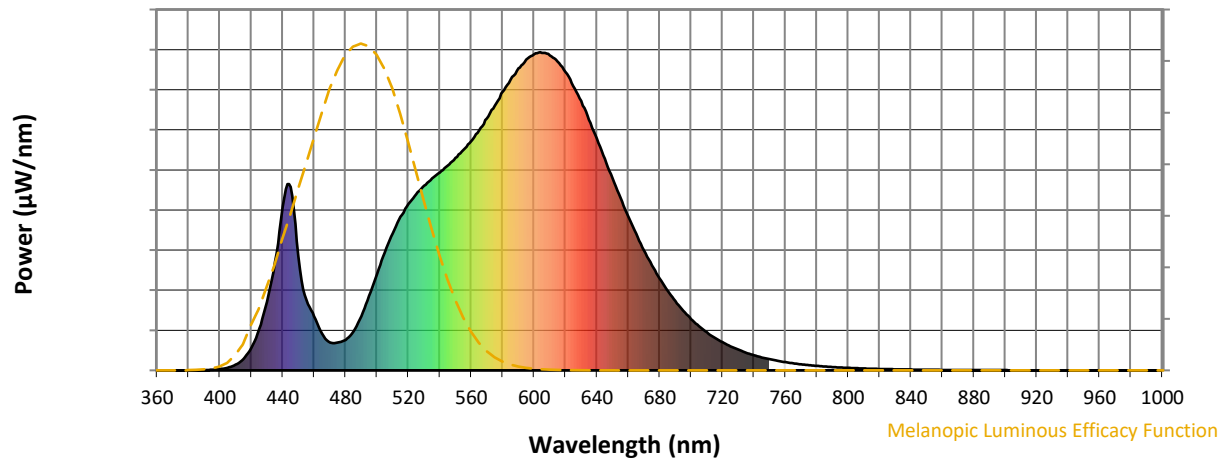
Scotopic Lumens: NR

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

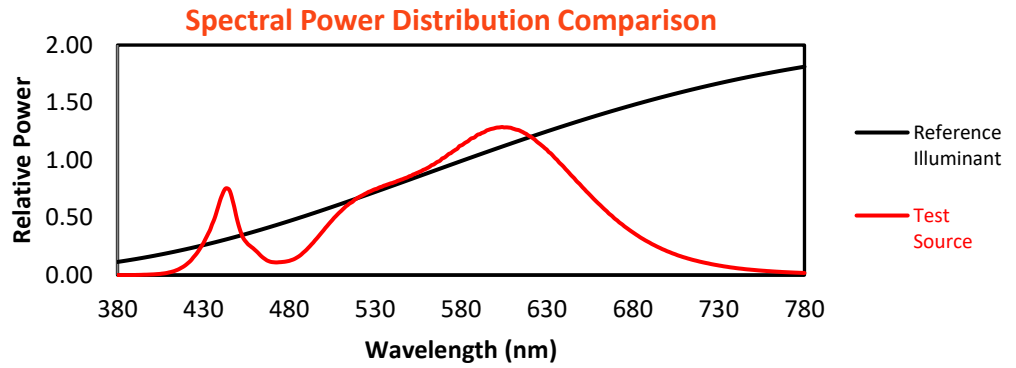
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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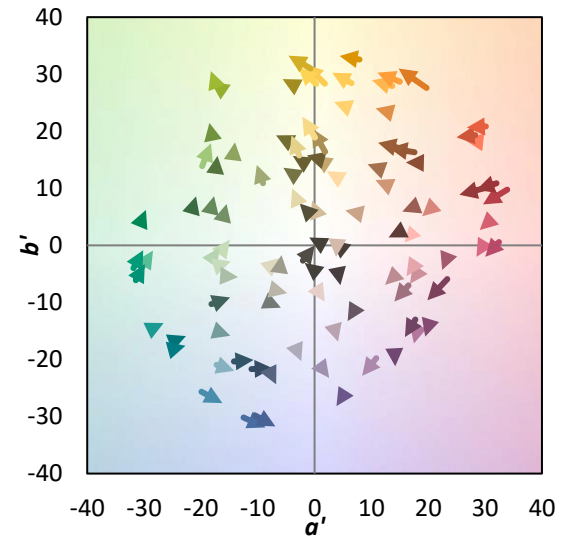
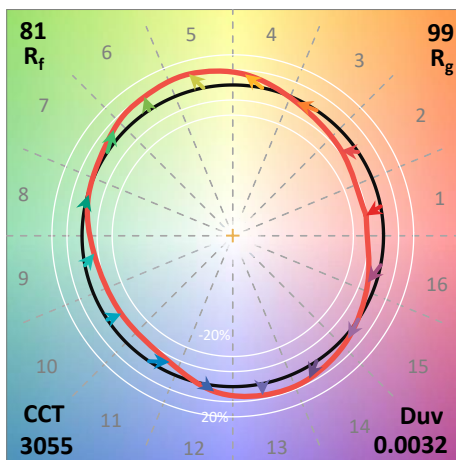
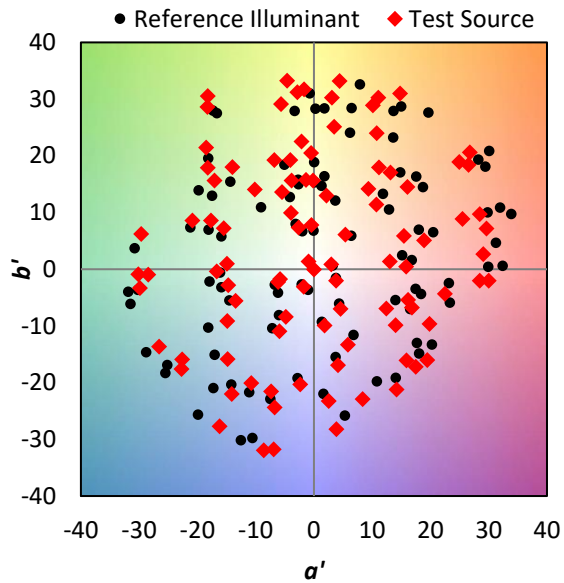
TM-30-18

Summary

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

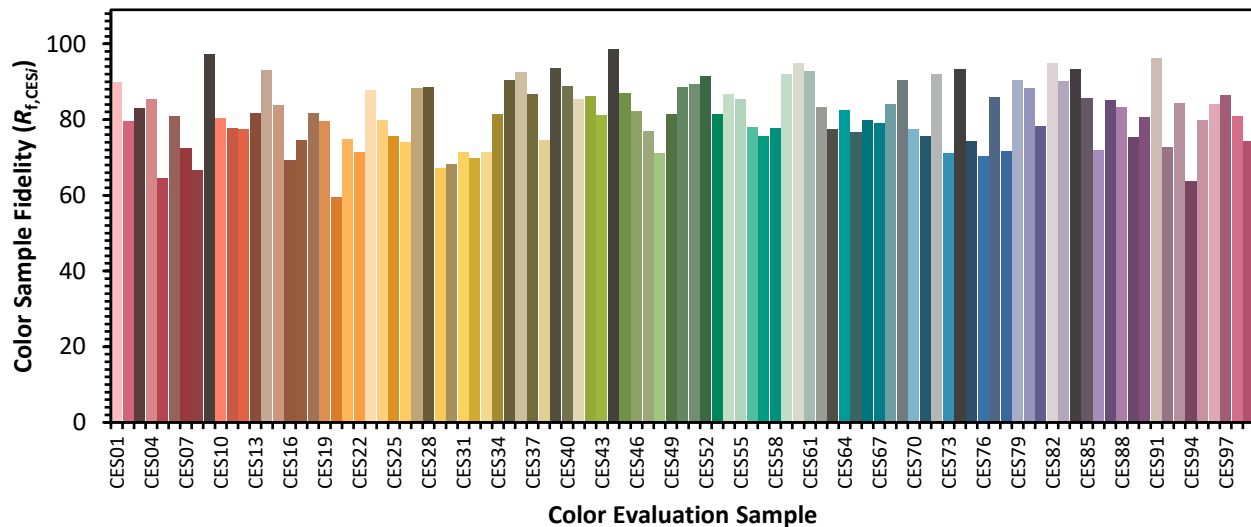


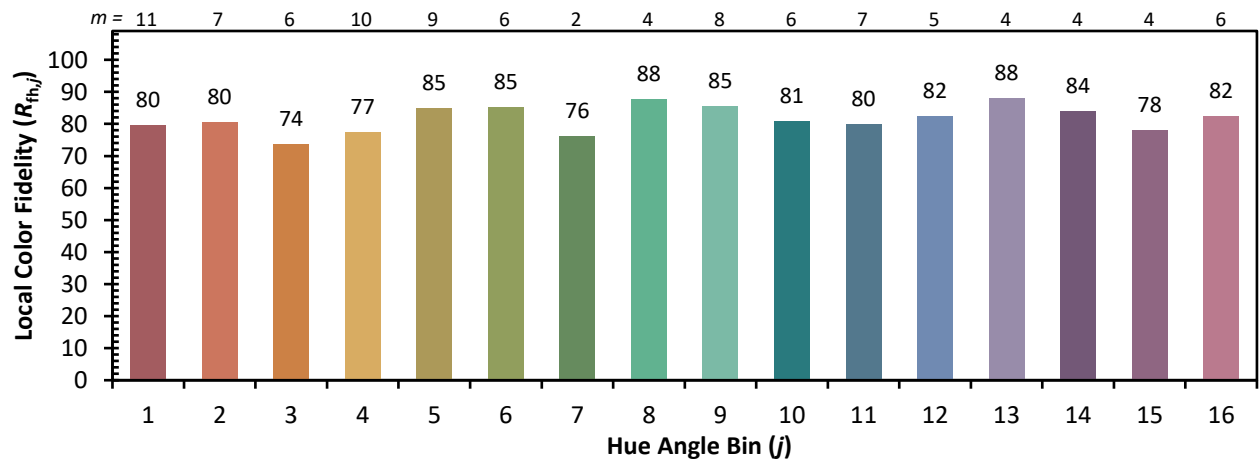
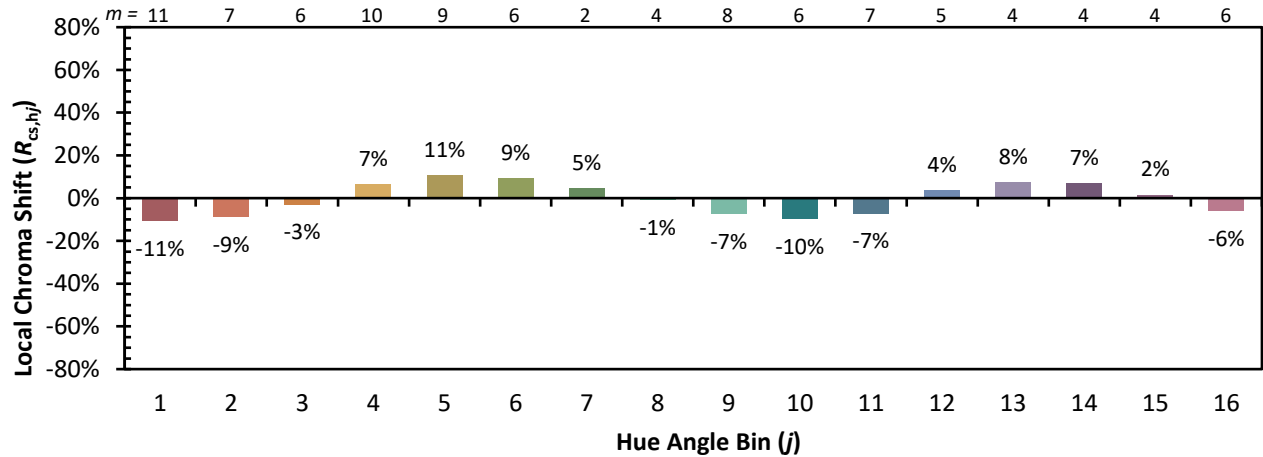
Color Vector Graphics

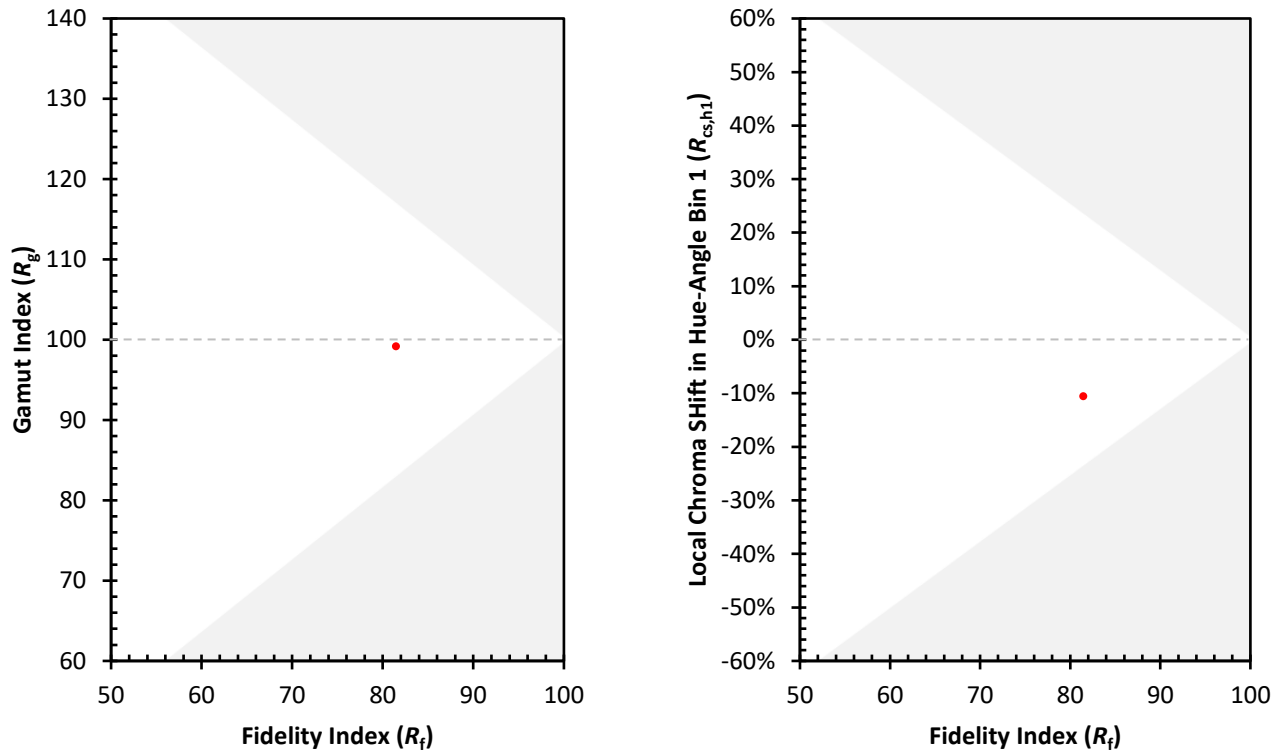


Individual Sample Fidelity Index ($R_{f,i}$)

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)