

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: LUMARK

Report Number: P1067582

Luminaire Tested: **NAV-SA1B-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067582
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3674.2 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 37.9
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

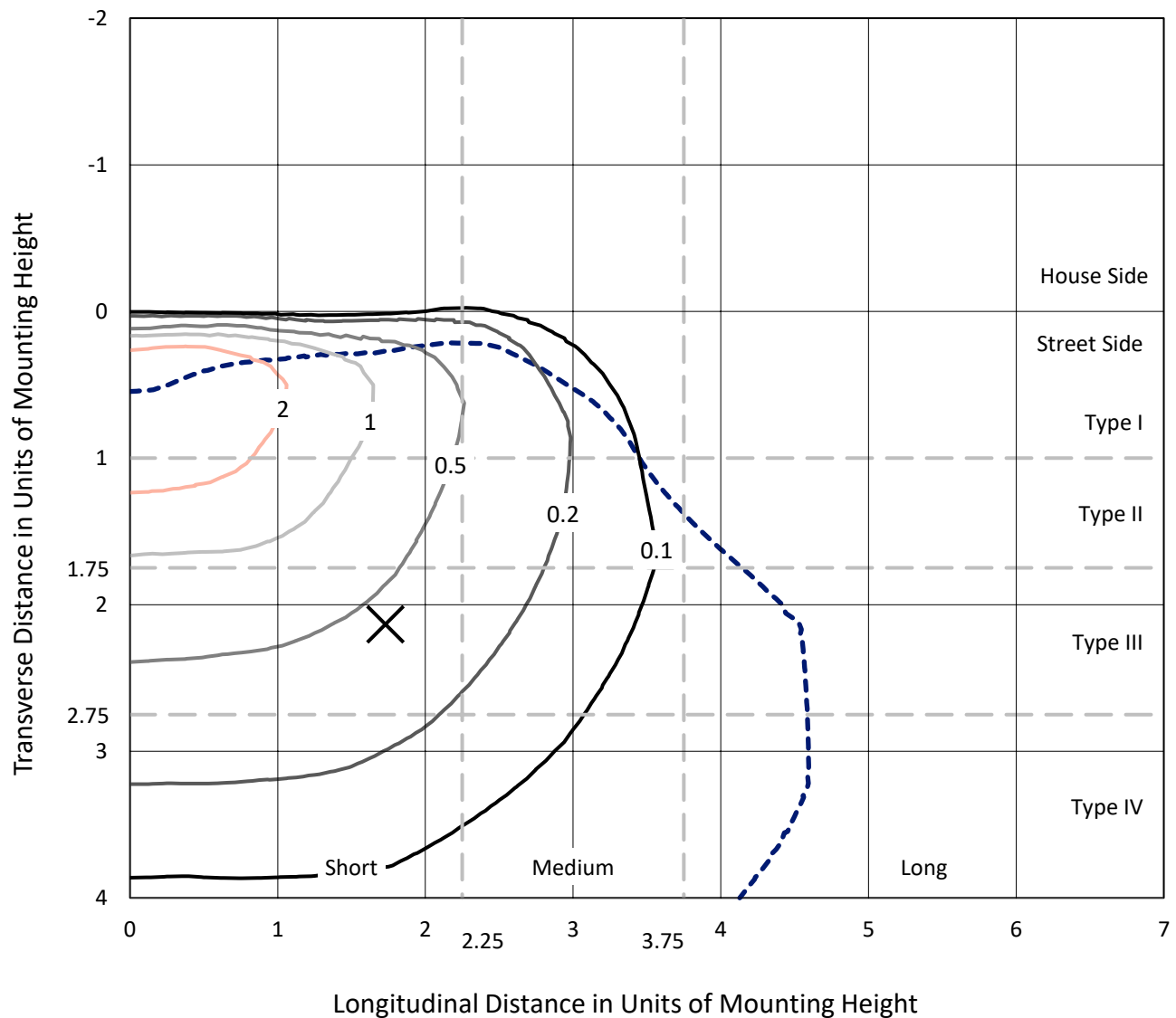


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

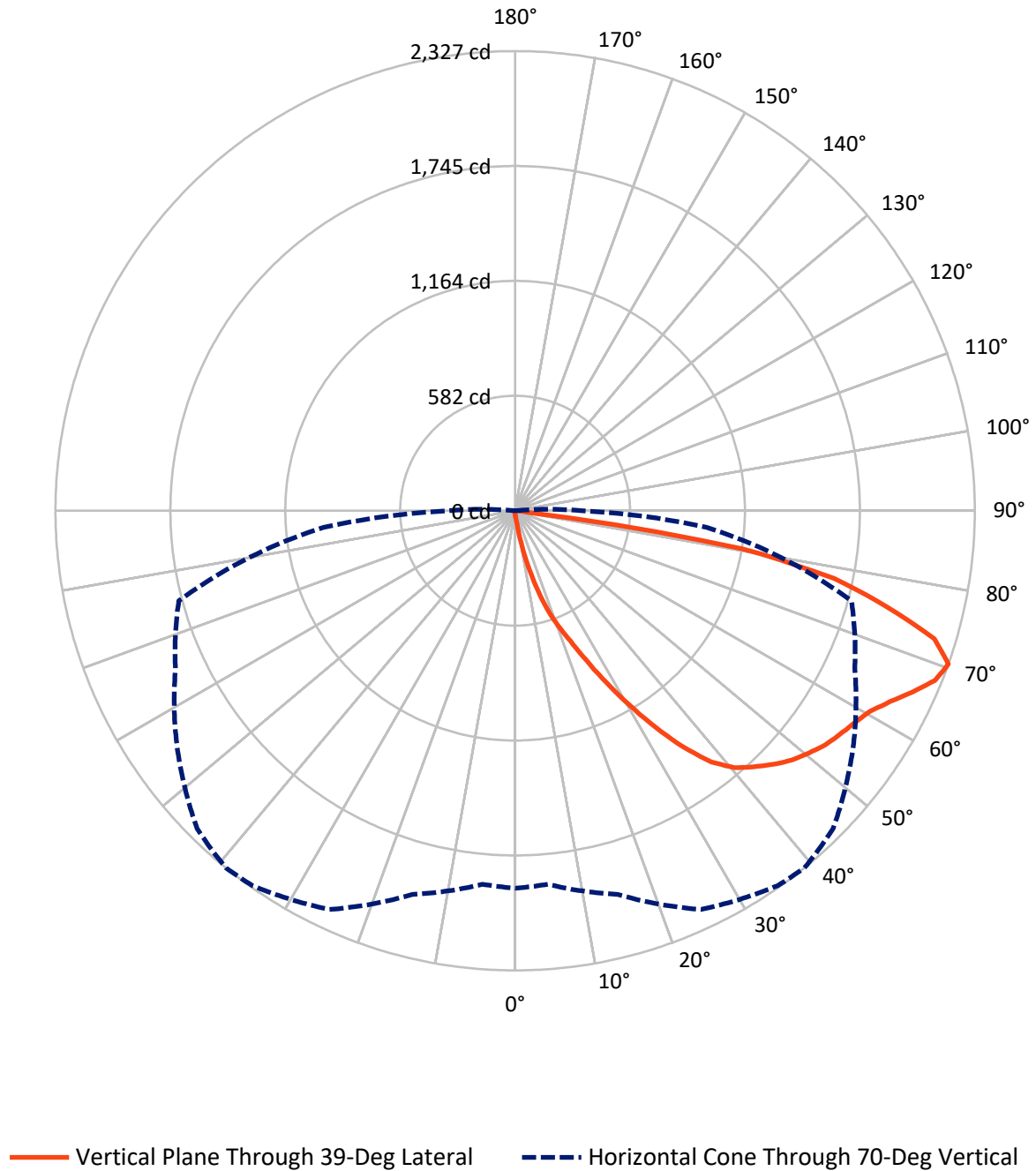


Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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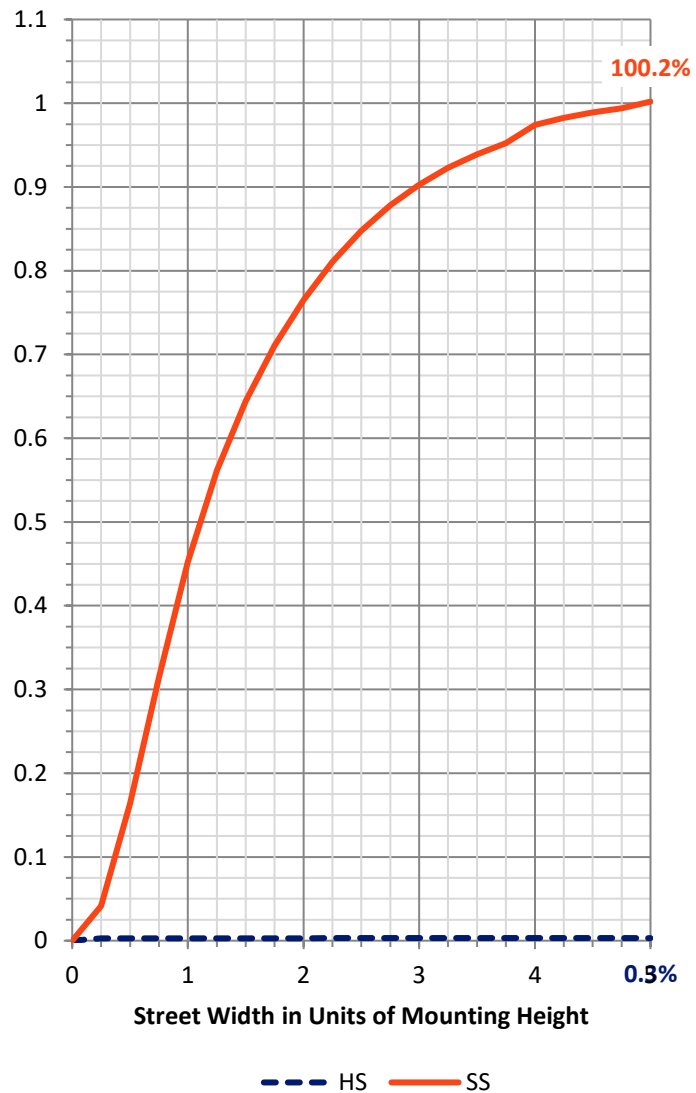
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11.3	0.0	11.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	3662.9	0.0	3662.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	3674.2	0.0	3674.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	45.2	1.2
20°-30°	153.3	4.2
30°-40°	360.2	9.8
40°-50°	585.0	15.9
50°-60°	741.3	20.2
60°-70°	941.6	25.6
70°-80°	765.0	20.8
80°-90°	78.8	2.1
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°	3674.2	100.0
0°-180°	3674.2	100.0



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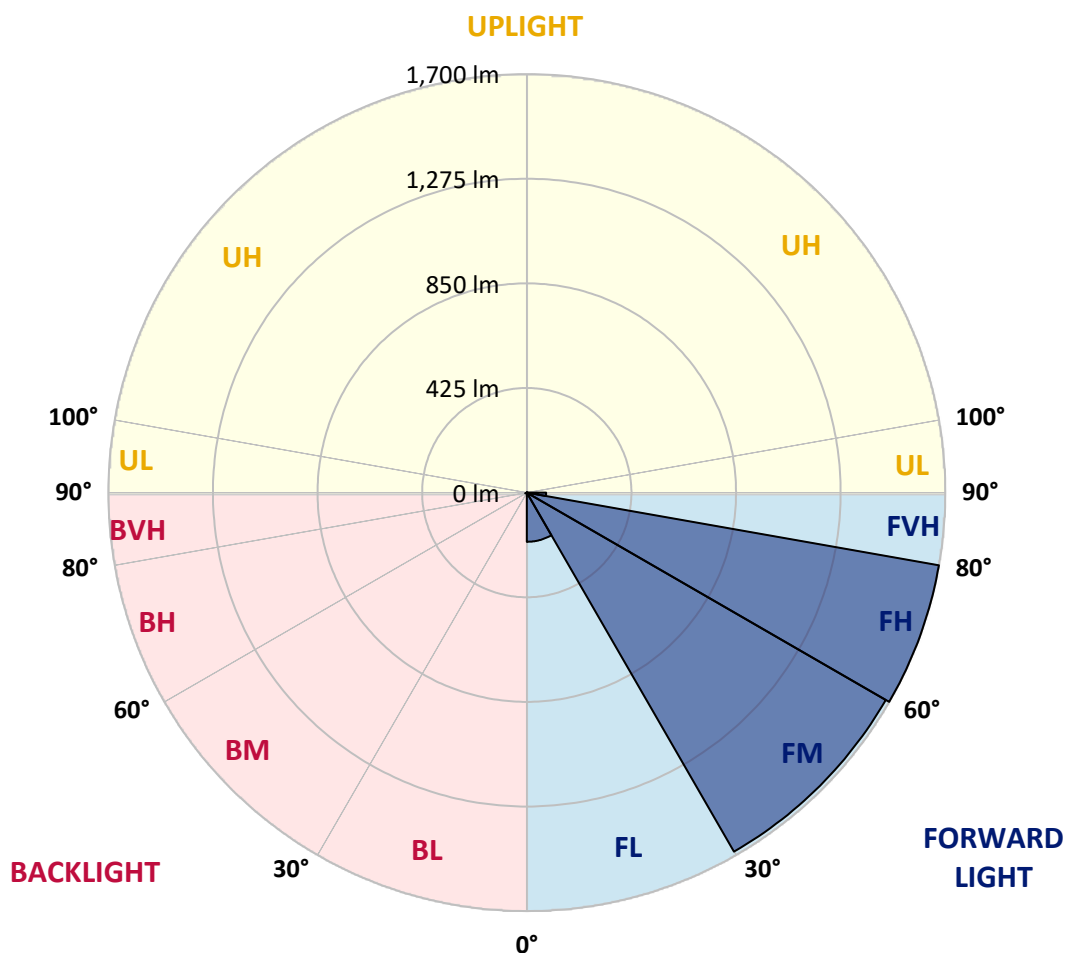
CATALOG NUMBER: NAV-SA1B-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.9	5.4			
FM	(30°-60°)	1684.3	45.8			
FH	(60°-80°)	1700.4	46.3			G1/1800
FVH	(80°-90°)	78.3	2.1			G1/100
BL	(0°-30°)	2.5	0.1	B0/110		
BM	(30°-60°)	2.2	0.1	B0/220		
BH	(60°-80°)	6.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type IV Short



REPORT NUMBER: P1067582

CATALOG NUMBER: NAV-SA1B-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	25.9	25.9	25.9	24.9	24.9	23.9	23.9	22.9	21.9	21.9	20.9
5°	48.9	49.9	46.9	40.9	36.9	34.9	32.9	27.9	24.9	22.9	20.9
7.5°	133.7	129.7	123.7	103.7	79.8	67.8	57.9	40.9	29.9	23.9	20.9
10°	281.3	270.3	253.4	226.4	179.6	160.6	124.7	74.8	41.9	26.9	20.9
12.5°	413.0	415.0	394.0	368.1	311.2	279.3	230.4	140.7	65.8	31.9	20.9
15°	512.7	510.7	502.8	481.8	430.9	400.0	356.1	236.4	110.7	39.9	21.9
17.5°	591.5	583.6	580.6	571.6	538.7	521.7	473.8	348.1	175.6	53.9	22.9
20°	670.3	668.4	665.4	655.4	633.4	621.5	584.6	460.9	261.4	76.8	24.9
22.5°	785.1	774.1	776.1	754.1	736.2	715.2	685.3	580.6	360.1	109.7	27.9
25°	919.7	918.7	902.8	892.8	862.9	839.9	800.0	696.3	469.8	158.6	30.9
27.5°	1078.3	1067.4	1060.4	1043.4	1012.5	986.6	931.7	811.0	588.5	213.5	34.9
30°	1243.9	1243.9	1231.0	1205.0	1175.1	1143.2	1087.3	931.7	706.3	283.3	39.9
32.5°	1437.5	1441.4	1409.5	1370.6	1331.7	1309.8	1236.9	1068.4	819.0	363.1	45.9
35°	1625.0	1620.0	1567.1	1524.2	1495.3	1471.4	1409.5	1218.0	946.7	455.9	53.9
37.5°	1804.5	1791.6	1703.8	1642.9	1630.0	1614.0	1552.2	1367.6	1073.4	558.6	63.8
40°	1933.2	1913.3	1822.5	1738.7	1719.8	1710.8	1662.9	1503.3	1207.0	673.3	76.8
42.5°	1989.1	1966.1	1903.3	1835.5	1793.6	1772.6	1730.7	1614.0	1340.7	801.0	95.8
45°	2000.1	1982.1	1937.2	1921.3	1864.4	1832.5	1775.6	1692.8	1465.4	927.7	121.7
47.5°	1960.2	1952.2	1925.3	1959.2	1930.2	1886.3	1817.5	1751.7	1576.1	1081.3	157.6
50°	1862.4	1856.4	1869.4	1958.2	1978.1	1928.2	1863.4	1797.6	1671.9	1239.9	208.5
52.5°	1730.7	1729.7	1790.6	1932.2	1999.1	1968.1	1908.3	1843.5	1747.7	1393.6	280.3
55°	1587.1	1604.0	1710.8	1908.3	2011.0	1997.1	1952.2	1884.4	1815.5	1536.2	396.0
57.5°	1575.1	1568.1	1670.9	1898.3	2018.0	2026.0	1996.1	1927.2	1873.4	1652.9	550.6
60°	1694.8	1678.9	1717.8	1919.3	2048.9	2062.9	2040.0	1960.2	1931.2	1744.7	754.1
62.5°	1833.5	1818.5	1838.5	2000.1	2109.8	2129.7	2100.8	1994.1	1978.1	1808.5	972.6
65°	1944.2	1932.2	1970.1	2120.8	2194.6	2211.5	2191.6	2056.9	1999.1	1860.4	1150.2
67.5°	1962.2	1947.2	2026.0	2201.6	2280.4	2292.3	2276.4	2117.8	1992.1	1864.4	1191.1
70°	1911.3	1898.3	2011.0	2227.5	2317.3	2327.3	2276.4	2088.8	1897.3	1762.7	973.6
72.5°	1754.7	1764.6	1910.3	2164.7	2266.4	2220.5	2112.8	1943.2	1774.6	1494.3	683.3
75°	1511.3	1522.2	1715.8	1992.1	2000.1	1944.2	1886.3	1787.6	1588.1	984.6	473.8
77.5°	1074.3	1035.4	1324.7	1644.9	1616.0	1651.9	1656.9	1487.3	1329.7	512.7	317.2
80°	105.7	89.8	166.6	471.8	1042.4	1165.1	1213.0	1146.2	980.6	229.4	166.6
82.5°	22.9	22.9	24.9	26.9	41.9	62.8	288.3	706.3	633.4	116.7	53.9
85°	13.0	13.0	16.0	19.0	24.9	27.9	32.9	43.9	170.6	41.9	10.0
87.5°	10.0	11.0	13.0	16.0	20.9	22.9	27.9	34.9	42.9	38.9	3.0
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: NAV-SA1B-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	20.9	20.0	19.0	18.0	17.0	17.0	16.0	16.0	16.0	16.0	16.0
5°	20.0	19.0	18.0	16.0	15.0	14.0	13.0	13.0	13.0	13.0	13.0
7.5°	20.0	19.0	17.0	15.0	13.0	12.0	11.0	10.0	10.0	11.0	11.0
10°	20.0	18.0	15.0	13.0	11.0	10.0	9.0	8.0	8.0	8.0	8.0
12.5°	19.0	17.0	14.0	12.0	10.0	8.0	6.0	5.0	5.0	5.0	5.0
15°	18.0	16.0	13.0	10.0	7.0	5.0	4.0	3.0	3.0	3.0	3.0
17.5°	18.0	15.0	12.0	9.0	5.0	3.0	2.0	1.0	1.0	1.0	2.0
20°	18.0	15.0	11.0	7.0	3.0	2.0	2.0	1.0	0.0	1.0	1.0
22.5°	18.0	14.0	9.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0
25°	19.0	14.0	8.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
27.5°	19.0	13.0	7.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	20.0	13.0	6.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	20.0	12.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	20.0	11.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	20.0	10.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	20.9	9.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	21.9	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	22.9	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	25.9	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	29.9	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	35.9	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	46.9	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	67.8	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	113.7	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	199.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	337.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	439.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	334.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	159.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	70.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	30.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	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

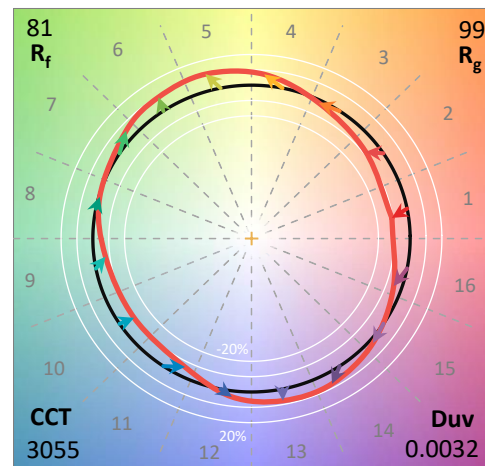
Test Information

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

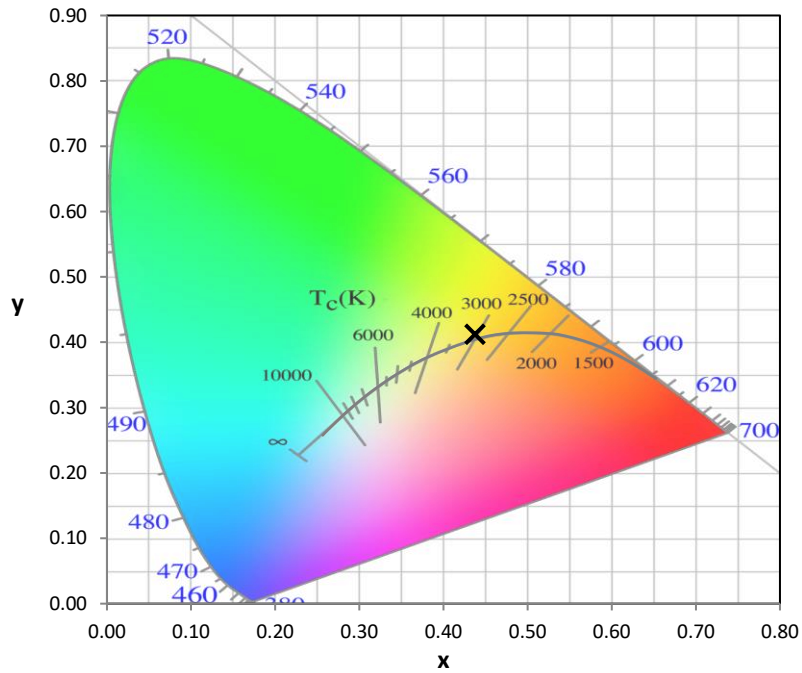
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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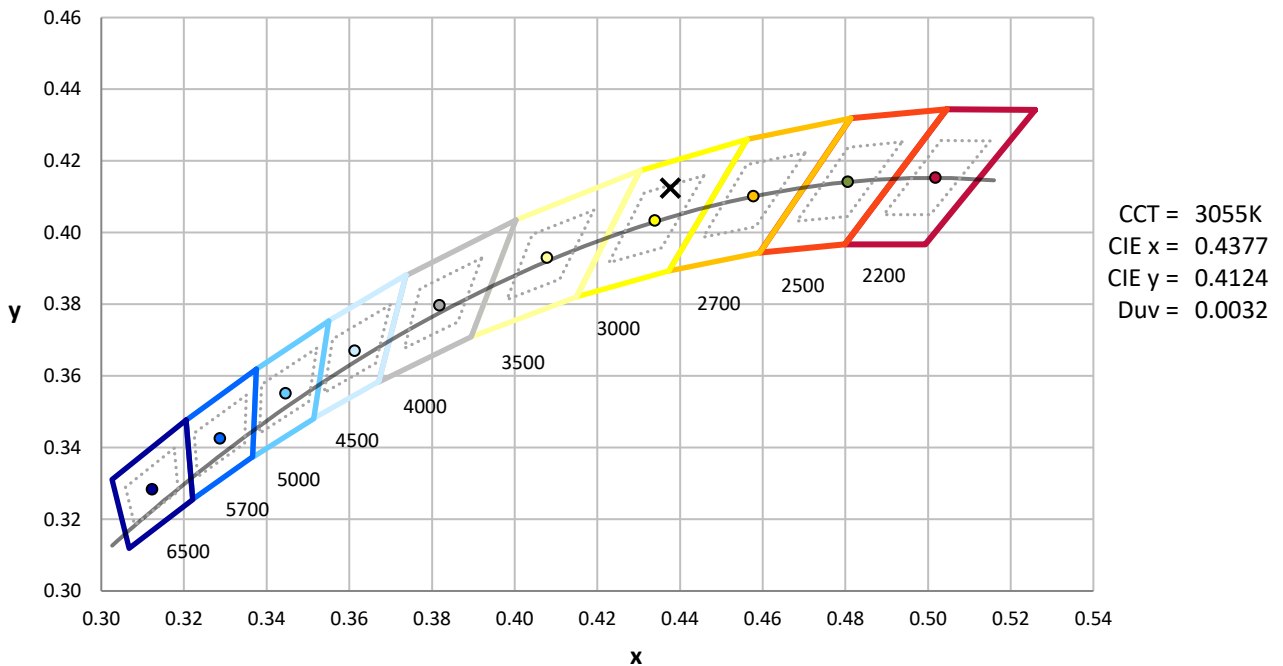
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



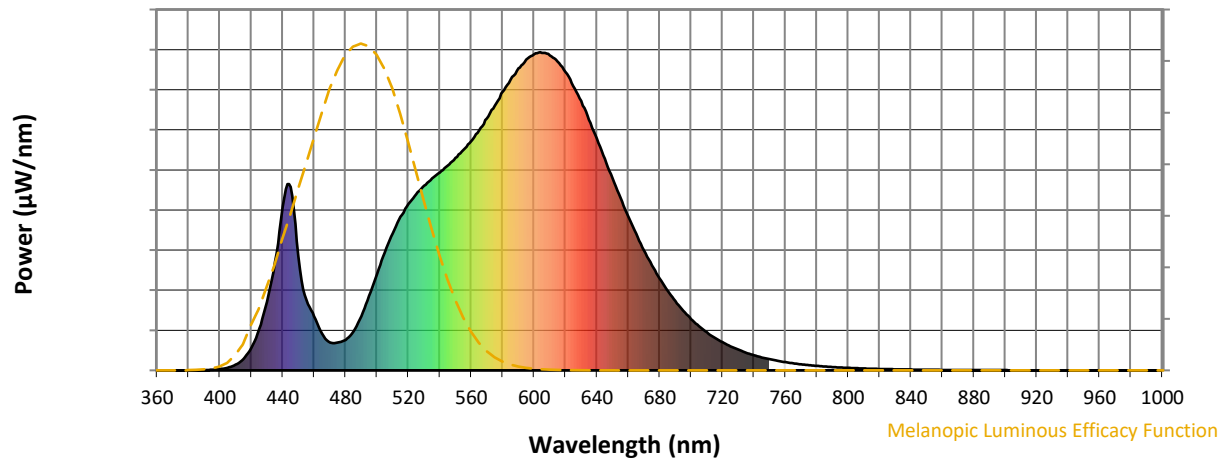
Scotopic Lumens: NR

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

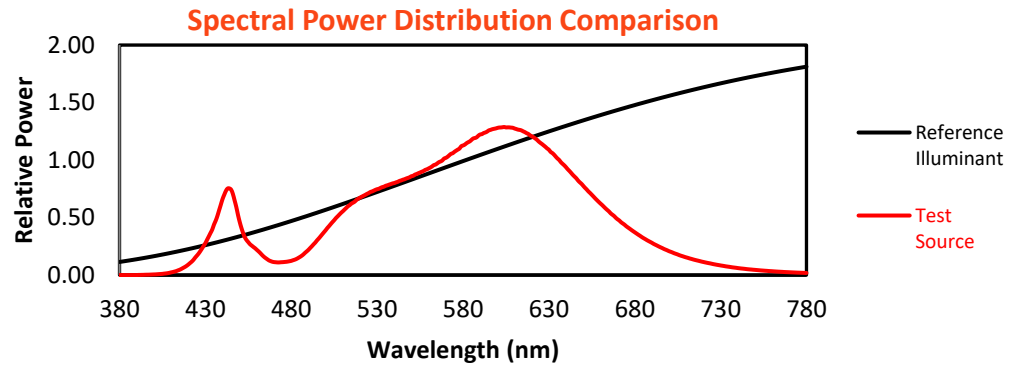
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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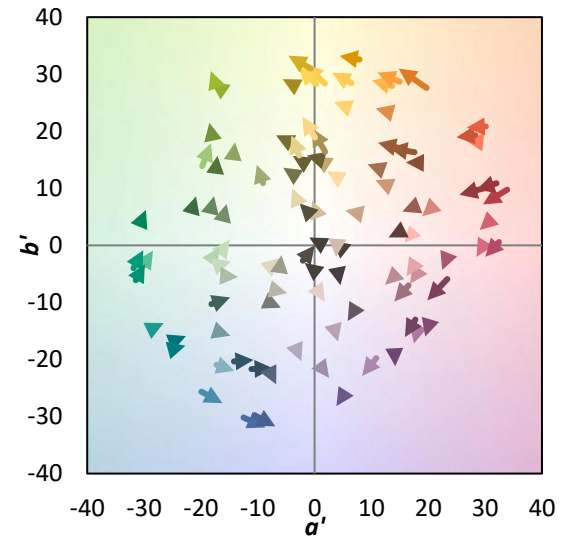
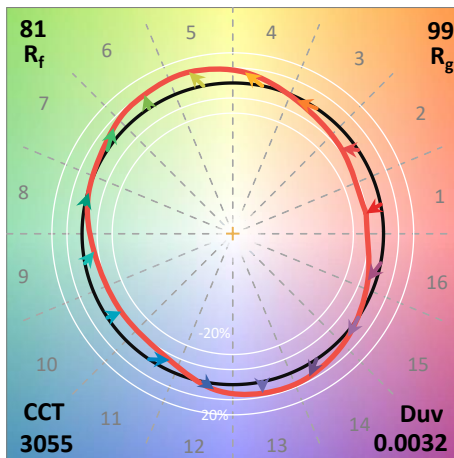
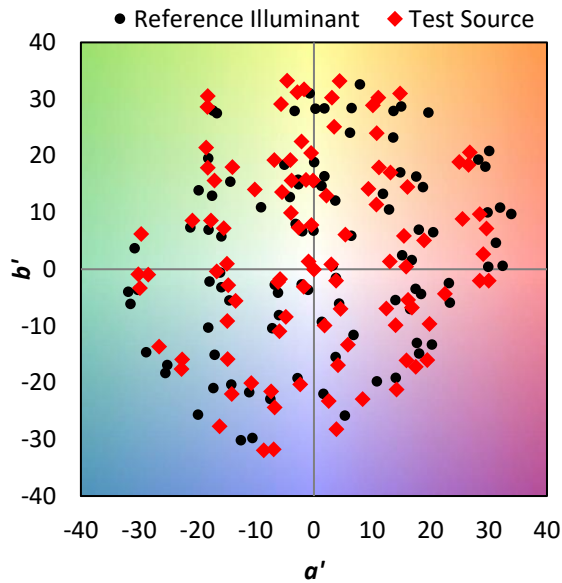
TM-30-18

Summary

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



Color Vector Graphics

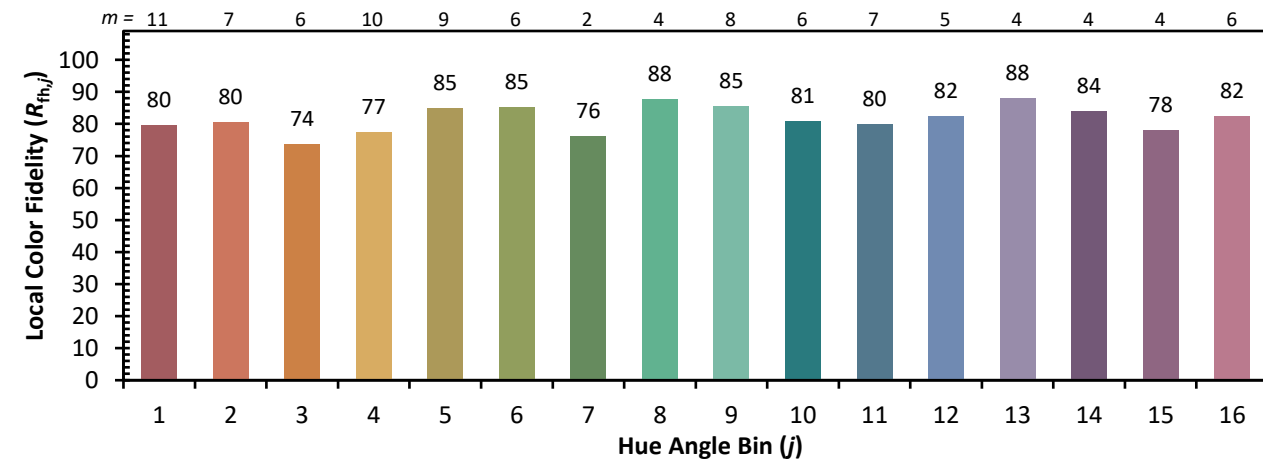
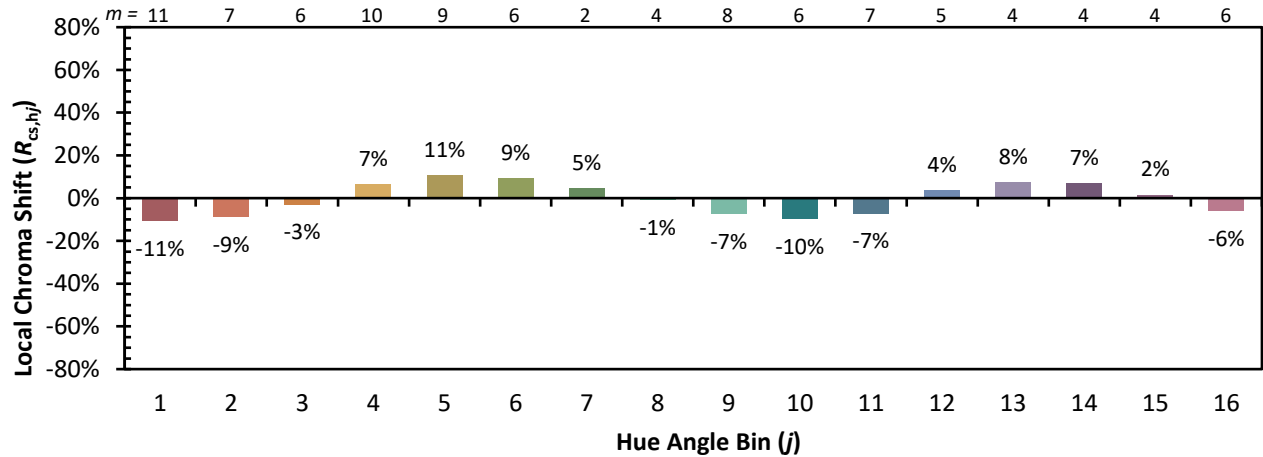


Individual Sample Fidelity Index ($R_{f,i}$)

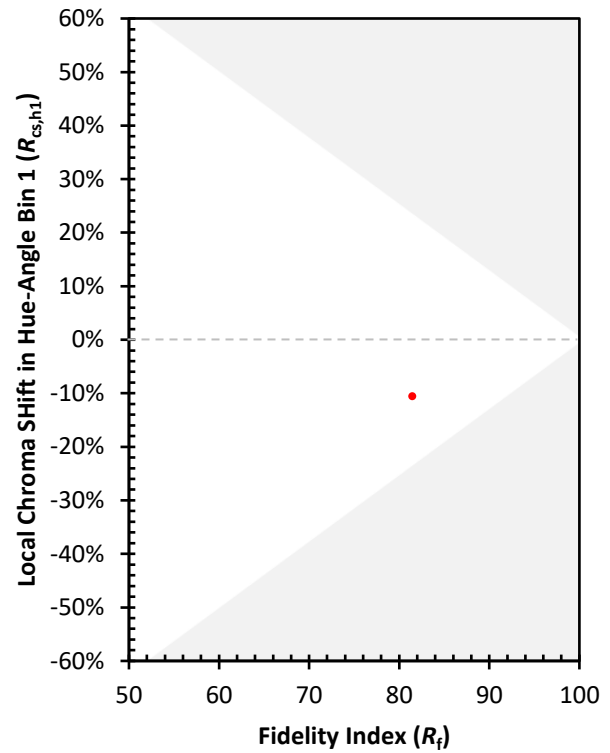
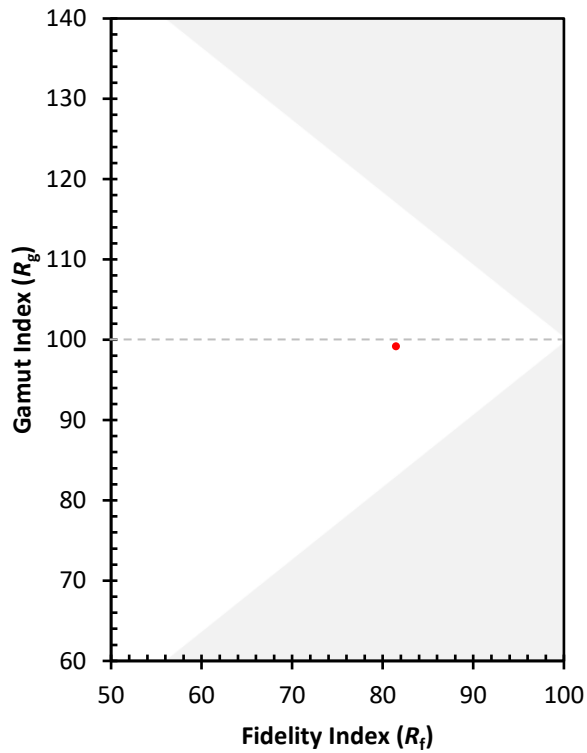
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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