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: P1364559

Luminaire Tested: **GSS-SB3A-727-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364559
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-727-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8784.1 lumens
Efficiency:	N/A
Efficacy:	103.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

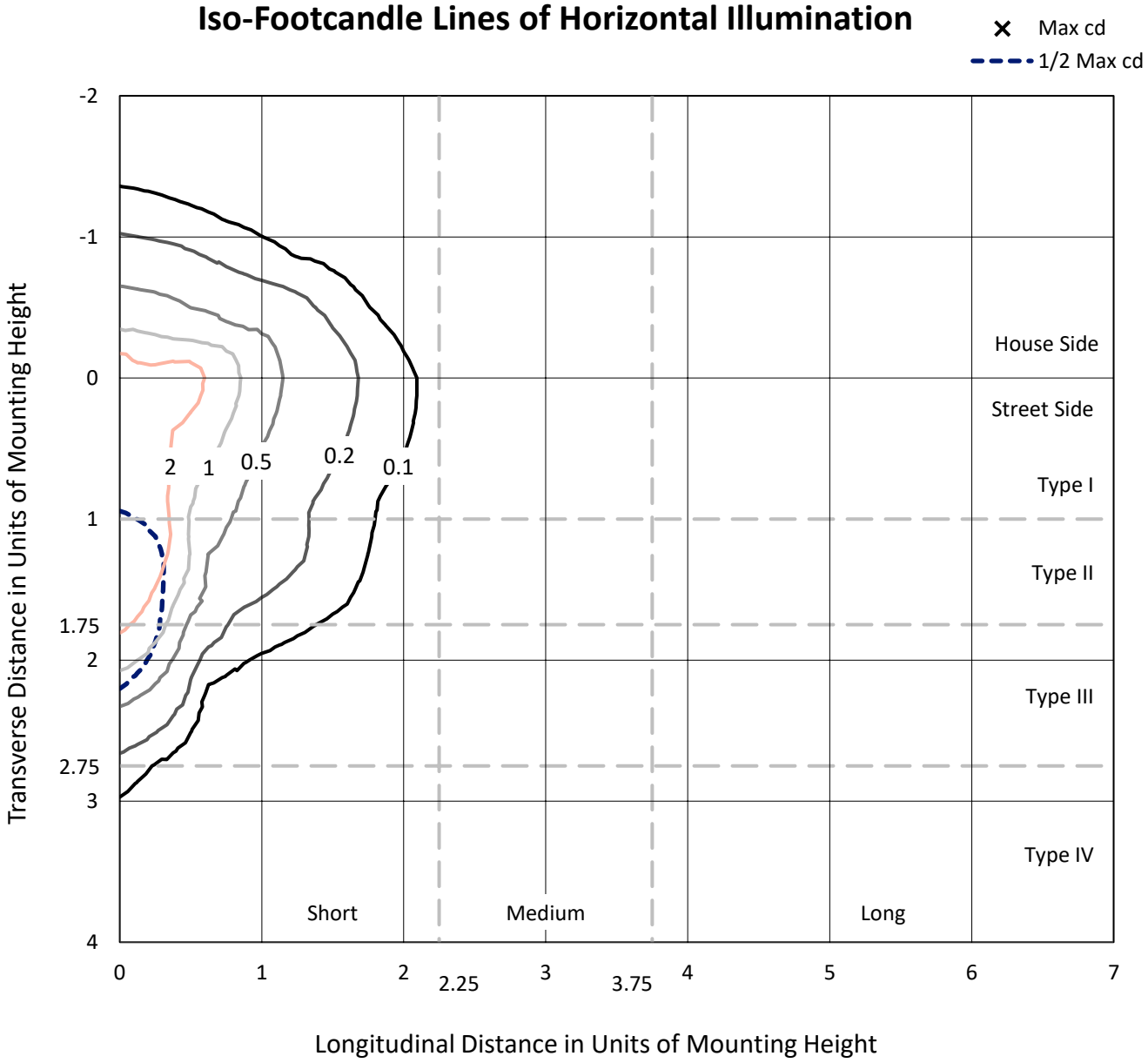
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



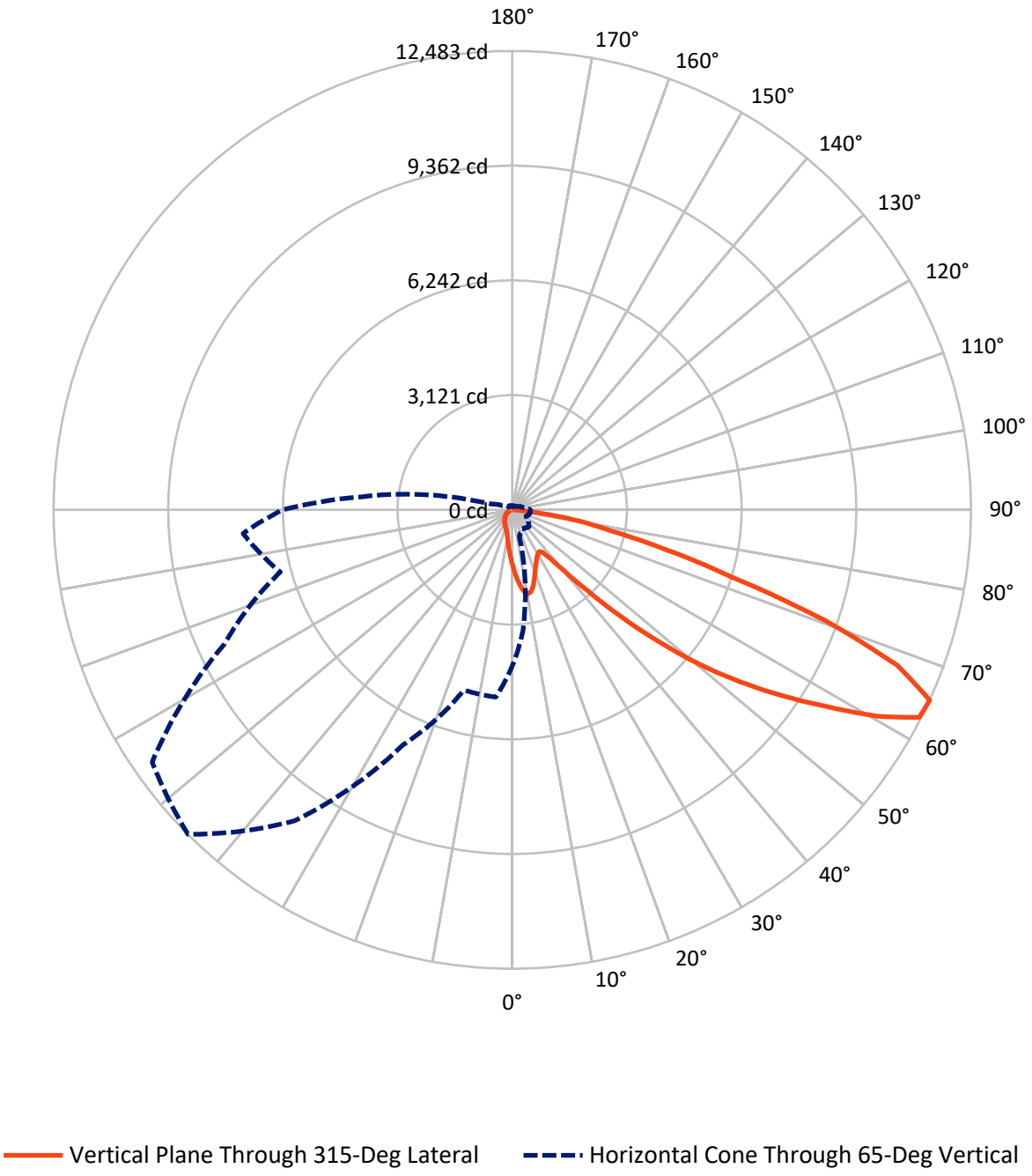
Based on 20 foot mounting height. Maximum calculated value = 4.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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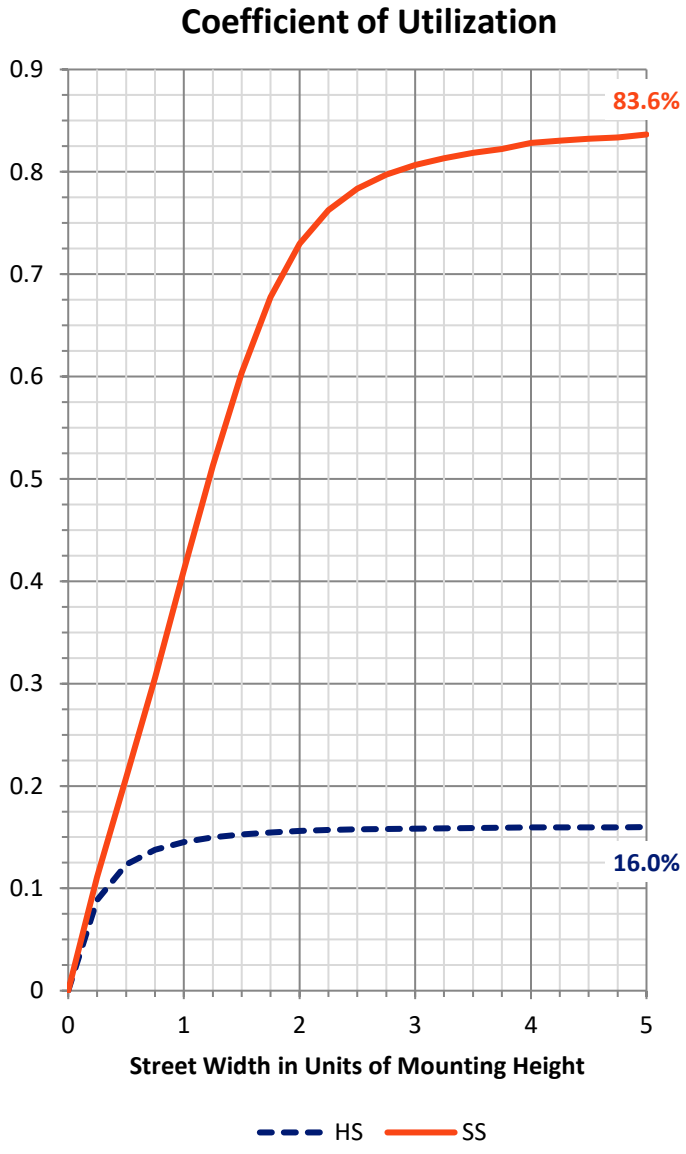
REPORT NUMBER: P1364559
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1420.0	0.0	1420.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	7364.1	0.0	7364.1
	% Fixture	83.8	0.0	83.8
Total	Lumens	8784.1	0.0	8784.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	1.7
10°-20°	403.6	4.6
20°-30°	578.1	6.6
30°-40°	725.1	8.3
40°-50°	1191.1	13.6
50°-60°	2149.5	24.5
60°-70°	2385.5	27.2
70°-80°	1077.8	12.3
80°-90°	127.4	1.5
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°	8784.1	100.0
0°-180°	8784.1	100.0



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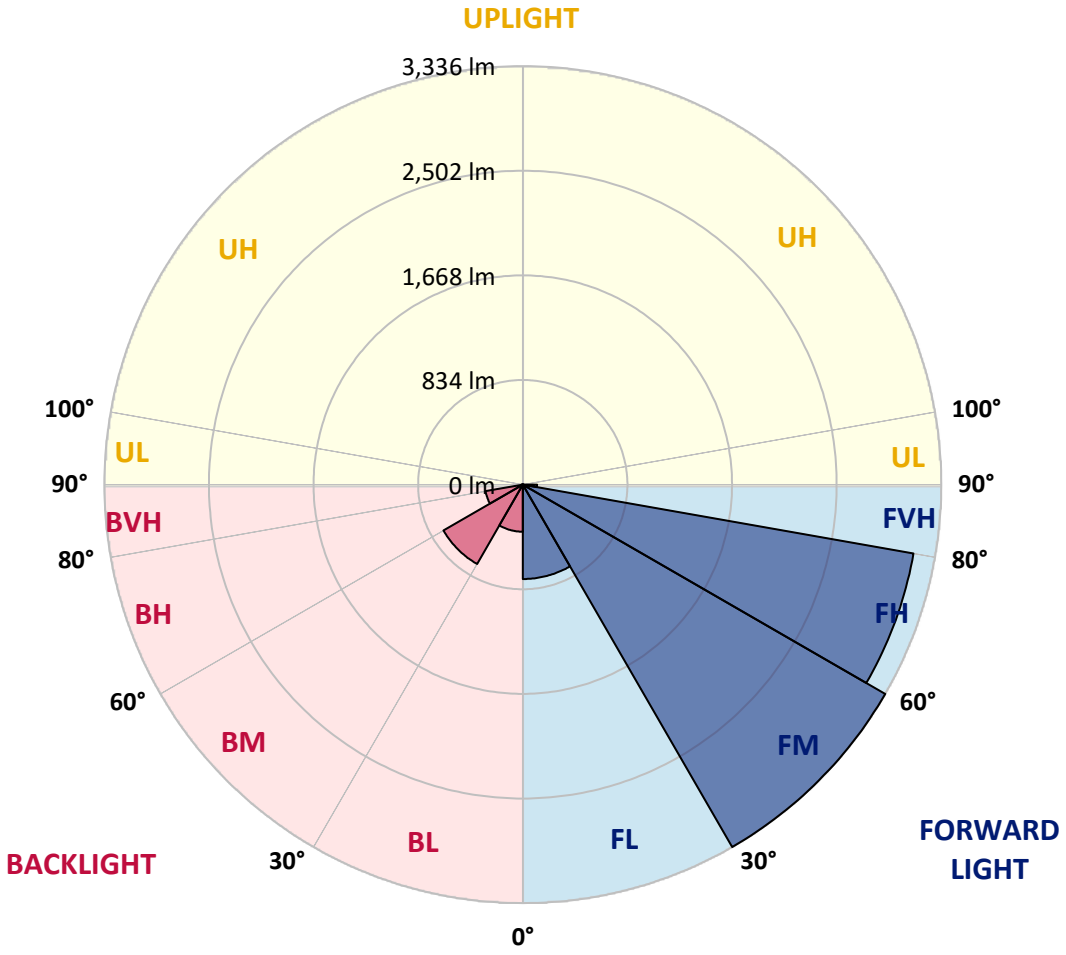
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	752.4	8.6			
FM	(30°-60°)	3335.6	38.0			
FH	(60°-80°)	3161.7	36.0			G2/5000
FVH	(80°-90°)	114.4	1.3			G2/225
BL	(0°-30°)	375.2	4.3	B1/500		
BM	(30°-60°)	730.2	8.3	B1/1000		
BH	(60°-80°)	301.6	3.4	B1/500		G1/500
BVH	(80°-90°)	13.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6
2.5°	1712.8	1711.2	1704.7	1664.2	1623.8	1588.7	1553.6	1518.6	1470.0	1432.3	1399.9
5°	1874.6	1866.0	1831.5	1769.4	1702.0	1642.7	1575.2	1510.5	1437.7	1378.3	1316.3
7.5°	1985.2	1976.6	1942.1	1839.6	1737.1	1664.2	1591.4	1524.0	1443.1	1364.8	1275.8
10°	2036.5	2026.8	1987.9	1877.3	1758.6	1669.6	1596.8	1534.8	1467.3	1389.1	1278.5
12.5°	2071.5	2059.7	2012.2	1885.4	1764.0	1675.0	1599.5	1540.2	1491.6	1445.8	1337.9
15°	2093.1	2082.3	2039.2	1907.0	1766.7	1666.9	1577.9	1521.3	1505.1	1513.2	1461.9
17.5°	2125.5	2115.2	2074.2	1934.0	1782.9	1653.4	1532.1	1470.0	1505.1	1577.9	1594.1
20°	2168.6	2157.8	2114.7	1969.0	1796.4	1613.0	1445.8	1386.4	1475.4	1596.8	1680.4
22.5°	2217.2	2208.6	2174.0	2009.5	1809.9	1553.6	1332.5	1305.5	1413.4	1542.9	1650.8
25°	2276.5	2268.4	2236.1	2066.1	1823.4	1472.7	1235.4	1240.8	1332.5	1435.0	1545.6
27.5°	2357.4	2349.9	2319.7	2136.3	1839.6	1389.1	1157.1	1184.1	1251.6	1321.7	1389.1
30°	2446.5	2440.5	2416.8	2219.9	1871.9	1310.9	1111.3	1127.5	1173.3	1230.0	1270.4
32.5°	2567.8	2558.1	2519.3	2298.1	1869.2	1251.6	1089.7	1073.5	1087.0	1132.9	1173.3
35°	2718.9	2711.3	2681.1	2379.0	1820.7	1197.6	1078.9	1022.3	1014.2	1041.2	1081.6
37.5°	2940.1	2933.6	2907.7	2511.2	1745.2	1130.2	1051.9	968.3	941.4	960.2	987.2
40°	3271.8	3255.1	3188.2	2662.2	1661.5	1062.7	1003.4	903.6	865.8	879.3	909.0
42.5°	3722.3	3690.5	3563.1	2864.5	1548.3	998.0	930.6	838.9	798.4	806.5	833.5
45°	4299.5	4251.5	4059.4	3142.4	1429.6	946.8	855.0	771.4	728.3	736.4	766.0
47.5°	4973.8	4908.0	4644.8	3433.7	1302.8	917.1	795.7	704.0	671.6	690.5	720.2
50°	5769.5	5703.2	5437.8	3619.8	1200.3	898.2	749.9	642.0	628.5	652.7	677.0
52.5°	6638.1	6543.7	6166.0	3501.1	1116.7	882.0	733.7	598.8	604.2	623.1	647.4
55°	7482.3	7272.5	6433.1	3107.3	1008.8	863.1	744.5	566.4	579.9	604.2	623.1
57.5°	8032.6	7667.9	6209.2	2503.1	895.5	841.6	752.5	550.3	561.0	588.0	609.6
60°	7552.5	7185.6	5718.3	1874.6	798.4	795.7	739.1	544.9	528.7	566.4	585.3
62.5°	6187.6	5885.5	4677.1	1197.6	706.7	709.4	709.4	542.2	474.7	523.3	539.5
65°	*4251.0*	*4062.1*	*3306.9*	*741.8*	*577.2*	*604.2*	*644.7*	*526.0*	*418.1*	*474.7*	*490.9*
67.5°	2794.4	2655.8	2101.2	458.5	445.1	496.3	558.3	493.6	374.9	426.2	437.0
70°	1515.9	1410.7	989.9	302.1	291.3	388.4	439.7	418.1	337.2	380.3	391.1
72.5°	1000.7	914.4	569.1	213.1	213.1	304.8	307.5	342.6	302.1	337.2	348.0
75°	752.5	675.4	366.8	148.4	164.5	194.2	240.1	245.5	253.5	285.9	299.4
77.5°	345.3	303.2	134.9	89.0	121.4	134.9	183.4	156.4	188.8	213.1	218.5
80°	199.6	174.8	75.5	59.3	78.2	86.3	151.0	91.7	113.3	151.0	159.1
82.5°	83.6	74.4	37.8	40.5	48.6	51.2	83.6	64.7	72.8	99.8	97.1
85°	24.3	24.3	24.3	27.0	29.7	29.7	48.6	45.9	43.2	45.9	45.9
87.5°	16.2	16.2	16.2	16.2	18.9	18.9	21.6	24.3	27.0	27.0	27.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6
2.5°	1386.4	1367.5	1343.3	1308.2	1302.8	1283.9	1270.4	1283.9	1297.4	1321.7	1324.4
5°	1283.9	1254.2	1197.6	1154.4	1105.9	1081.6	1078.9	1073.5	1089.7	1124.8	1146.4
7.5°	1227.3	1178.7	1076.2	1000.7	933.3	909.0	890.1	906.3	903.6	949.5	968.3
10°	1213.8	1138.3	995.3	882.0	798.4	766.0	747.2	744.5	749.9	776.8	795.7
12.5°	1262.3	1165.2	962.9	795.7	698.6	663.5	642.0	623.1	623.1	628.5	652.7
15°	1370.2	1254.2	981.8	755.2	650.1	604.2	569.1	544.9	526.0	528.7	531.4
17.5°	1521.3	1383.7	1030.4	741.8	620.4	571.8	528.7	504.4	482.8	477.4	477.4
20°	1640.0	1507.8	1068.1	731.0	596.1	534.1	496.3	474.7	455.8	447.8	447.8
22.5°	1653.4	1559.0	1100.5	717.5	566.4	496.3	461.2	442.4	428.9	426.2	426.2
25°	1564.4	1518.6	1089.7	701.3	536.8	461.2	434.3	418.1	404.6	401.9	404.6
27.5°	1416.1	1391.8	1051.9	679.7	512.5	434.3	410.0	396.5	383.0	380.3	383.0
30°	1283.9	1256.9	987.2	644.7	493.6	412.7	385.7	372.2	358.7	358.7	361.4
32.5°	1176.0	1149.1	922.5	604.2	469.3	388.4	364.1	350.6	337.2	337.2	342.6
35°	1078.9	1057.3	871.2	563.7	445.1	366.8	339.9	329.1	318.3	315.6	321.0
37.5°	995.3	984.5	825.4	520.6	420.8	345.3	321.0	310.2	296.7	294.0	299.4
40°	914.4	909.0	774.1	482.8	391.1	323.7	299.4	288.6	272.4	272.4	277.8
42.5°	838.9	836.2	728.3	458.5	364.1	302.1	275.1	264.3	250.8	250.8	256.2
45°	779.5	776.8	685.1	445.1	337.2	277.8	253.5	240.1	229.3	232.0	237.4
47.5°	725.6	720.2	639.3	447.8	323.7	261.6	229.3	215.8	207.7	213.1	221.2
50°	682.4	677.0	606.9	450.5	302.1	240.1	210.4	196.9	191.5	199.6	207.7
52.5°	655.4	650.1	574.5	434.3	275.1	223.9	191.5	183.4	183.4	191.5	196.9
55°	628.5	623.1	520.6	399.2	245.5	207.7	178.0	172.6	172.6	180.7	186.1
57.5°	612.3	601.5	463.9	358.7	221.2	188.8	164.5	164.5	164.5	167.2	169.9
60°	588.0	561.0	404.6	307.5	202.3	169.9	153.7	151.0	151.0	148.4	151.0
62.5°	536.8	490.9	339.9	261.6	180.7	153.7	140.3	137.6	129.5	121.4	124.1
65°	*485.5*	*415.4*	*269.7*	*218.5*	*156.4*	*132.2*	*124.1*	*121.4*	*107.9*	*97.1*	*99.8*
67.5°	420.8	331.8	202.3	183.4	134.9	113.3	105.2	105.2	97.1	89.0	89.0
70°	374.9	258.9	169.9	137.6	107.9	89.0	89.0	94.4	86.3	75.5	75.5
72.5°	331.8	210.4	137.6	110.6	83.6	70.1	75.5	78.2	70.1	62.0	62.0
75°	283.2	164.5	107.9	86.3	62.0	53.9	56.6	62.0	56.6	48.6	51.2
77.5°	205.0	113.3	72.8	56.6	45.9	40.5	43.2	43.2	40.5	37.8	37.8
80°	143.0	75.5	48.6	37.8	32.4	29.7	29.7	27.0	27.0	29.7	29.7
82.5°	86.3	53.9	35.1	29.7	24.3	18.9	18.9	21.6	21.6	24.3	24.3
85°	37.8	32.4	24.3	21.6	16.2	13.5	16.2	16.2	18.9	21.6	21.6
87.5°	24.3	24.3	18.9	16.2	13.5	10.8	10.8	13.5	13.5	16.2	18.9
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6
2.5°	1335.2	1362.1	1394.5	1440.4	1480.8	1529.4	1577.9	1623.8	1666.9	1672.3	1691.2
5°	1162.5	1213.8	1278.5	1354.0	1445.8	1542.9	1637.3	1737.1	1818.0	1847.7	1890.8
7.5°	984.5	1049.3	1143.7	1259.6	1389.1	1534.8	1680.4	1820.7	1942.1	1998.7	2055.3
10°	814.6	876.6	992.6	1132.9	1300.1	1497.0	1691.2	1880.0	2028.4	2093.1	2147.1
12.5°	660.8	722.9	817.3	979.1	1181.4	1418.8	1675.0	1901.6	2066.1	2133.6	2184.8
15°	539.5	590.7	679.7	830.8	1043.9	1310.9	1618.4	1885.4	2074.2	2139.0	2176.7
17.5°	474.7	488.2	544.9	682.4	914.4	1213.8	1545.6	1863.8	2079.6	2139.0	2160.5
20°	447.8	447.8	458.5	531.4	757.9	1111.3	1491.6	1850.4	2087.7	2147.1	2144.4
22.5°	423.5	428.9	428.9	445.1	577.2	968.3	1435.0	1845.0	2112.0	2157.8	2120.1
25°	401.9	410.0	410.0	415.4	453.1	798.4	1364.8	1855.7	2155.1	2179.4	2103.9
27.5°	383.0	391.1	391.1	396.5	404.6	593.4	1248.9	1858.4	2203.7	2206.4	2082.3
30°	364.1	372.2	377.6	377.6	383.0	437.0	1103.2	1842.3	2257.6	2241.5	2079.6
32.5°	342.6	353.3	356.0	361.4	364.1	380.3	914.4	1815.3	2325.1	2290.0	2082.3
35°	323.7	337.2	339.9	339.9	345.3	361.4	731.0	1785.6	2416.8	2354.7	2093.1
37.5°	304.8	315.6	318.3	321.0	326.4	342.6	579.9	1742.5	2495.0	2435.7	2147.1
40°	283.2	296.7	299.4	302.1	307.5	323.7	499.0	1688.5	2613.7	2570.5	2228.0
42.5°	261.6	275.1	280.5	283.2	285.9	307.5	455.8	1650.8	2805.2	2759.3	2392.5
45°	242.8	256.2	261.6	261.6	267.0	296.7	418.1	1734.4	3069.5	3048.0	2613.7
47.5°	226.6	240.1	242.8	242.8	245.5	280.5	385.7	1958.2	3474.1	3417.5	2958.9
50°	213.1	223.9	229.3	223.9	226.6	267.0	404.6	2327.8	3992.0	4010.9	3466.0
52.5°	202.3	213.1	215.8	205.0	205.0	248.2	428.9	2629.9	4652.9	4825.5	4269.8
55°	188.8	199.6	202.3	188.8	188.8	218.5	372.2	2648.8	5405.4	5961.0	5316.4
57.5°	175.3	186.1	186.1	175.3	172.6	188.8	302.1	2349.4	5988.0	7247.7	6748.7
60°	159.1	169.9	167.2	161.8	156.4	172.6	277.8	1791.0	5909.8	8086.5	8391.3
62.5°	129.5	145.7	151.0	148.4	137.6	156.4	258.9	1167.9	5114.1	7358.3	8340.1
65°	*107.9*	*121.4*	*129.5*	*129.5*	*121.4*	*172.6*	*226.6*	*615.0*	*4094.5*	*6244.3*	*7352.9*
67.5°	94.4	107.9	113.3	110.6	105.2	153.7	143.0	296.7	3139.7	5381.1	6581.4
70°	83.6	94.4	99.8	91.7	86.3	124.1	102.5	175.3	2101.2	4491.0	5861.2
72.5°	67.4	78.2	83.6	75.5	67.4	91.7	78.2	116.0	1367.5	3827.5	5208.5
75°	53.9	64.7	67.4	62.0	53.9	67.4	62.0	80.9	892.8	3166.6	4429.0
77.5°	40.5	45.9	51.2	48.6	40.5	48.6	43.2	56.6	509.8	2222.6	3107.3
80°	32.4	35.1	35.1	35.1	32.4	29.7	29.7	37.8	229.3	1095.1	1621.1
82.5°	27.0	29.7	29.7	27.0	24.3	21.6	18.9	21.6	67.4	490.9	747.2
85°	24.3	27.0	21.6	18.9	16.2	13.5	8.1	8.1	18.9	78.2	145.7
87.5°	18.9	16.2	13.5	10.8	5.4	2.7	2.7	0.0	2.7	2.7	2.7
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

Scaled Data Report

REPORT NUMBER: P1364559
CATALOG NUMBER: GSS-SB3A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6	1518.6
2.5°	1720.9	1747.9	1766.7	1782.9	1777.5	1764.0	1737.1	1718.2	1713.9	1712.8
5°	1947.5	1990.6	2028.4	2023.0	2028.4	1987.9	1947.5	1898.9	1879.5	1874.6
7.5°	2136.3	2190.2	2236.1	2230.7	2214.5	2168.6	2101.2	2028.4	1993.8	1985.2
10°	2238.8	2300.8	2338.6	2325.1	2298.1	2238.8	2171.3	2085.0	2046.2	2036.5
12.5°	2257.6	2298.1	2290.0	2284.6	2279.2	2249.6	2198.3	2120.1	2081.2	2071.5
15°	2209.1	2192.9	2147.1	2136.3	2176.7	2214.5	2203.7	2139.0	2102.3	2093.1
17.5°	2128.2	2044.6	1960.9	1950.2	2017.6	2122.8	2206.4	2168.6	2134.1	2125.5
20°	2039.2	1882.7	1791.0	1772.1	1855.7	2012.2	2176.7	2198.3	2174.6	2168.6
22.5°	1934.0	1750.6	1653.4	1642.7	1704.7	1888.1	2133.6	2230.7	2219.9	2217.2
25°	1842.3	1634.6	1542.9	1526.7	1607.6	1785.6	2090.4	2284.6	2278.1	2276.5
27.5°	1766.7	1551.0	1453.8	1443.1	1521.3	1699.3	2036.5	2330.5	2352.1	2357.4
30°	1707.4	1488.9	1391.8	1378.3	1464.6	1640.0	1998.7	2395.2	2436.2	2446.5
32.5°	1661.5	1453.8	1362.1	1354.0	1445.8	1615.7	1977.1	2462.6	2546.8	2567.8
35°	1645.4	1464.6	1402.6	1421.5	1491.6	1640.0	1993.3	2573.2	2689.8	2718.9
37.5°	1680.4	1583.3	1626.5	1675.0	1702.0	1755.9	2068.8	2751.3	2902.3	2940.1
40°	1793.7	1901.6	2103.9	2198.3	2187.5	2063.4	2241.5	3002.1	3217.9	3271.8
42.5°	2082.3	2433.0	2861.8	3021.0	2929.3	2554.4	2516.6	3414.8	3660.8	3722.3
45°	2511.2	3074.9	3778.9	4137.7	3822.1	3177.4	2950.9	4002.8	4240.2	4299.5
47.5°	2940.1	3792.4	4911.8	5338.0	4717.6	3795.1	3520.0	4706.8	4920.4	4973.8
50°	3377.0	4585.4	6042.0	6611.1	5610.4	4423.6	4124.2	5575.3	5730.7	5769.5
52.5°	3827.5	5294.8	7288.1	7779.0	6543.7	4909.1	4814.7	6522.1	6614.9	6638.1
55°	4329.2	5966.4	8537.0	8933.5	7393.3	5332.6	5623.9	7512.0	7488.3	7482.3
57.5°	4998.1	6673.1	9543.1	10096.0	8164.7	5904.4	6705.5	8612.5	8148.6	8032.6
60°	6166.0	7770.9	10794.6	11396.1	9197.8	6740.6	7501.2	8588.2	7759.6	7552.5
62.5°	7520.1	8828.3	11927.5	12434.6	10284.8	7571.3	6867.3	7212.6	6392.6	6187.6
65°	6532.9	8642.2	11962.6	12483.1	10325.3	7064.2	5076.3	5114.1	4423.6	4251.0
67.5°	5559.2	7660.4	10894.4	11304.4	9211.3	5839.7	3366.2	3336.6	2902.8	2794.4
70°	4949.6	6710.9	9389.3	9036.0	7744.0	4936.1	2236.1	1853.1	1583.3	1515.9
72.5°	4447.9	5324.5	7609.1	6228.1	6425.0	4016.3	1421.5	1262.3	1053.0	1000.7
75°	4027.1	4404.7	4747.3	4304.9	4563.8	3309.6	1205.7	973.7	796.8	752.5
77.5°	3204.4	3428.3	2810.6	2729.7	3196.3	2354.7	598.8	410.0	358.2	345.3
80°	1907.0	1621.1	1594.1	1818.0	2128.2	1221.9	366.8	226.6	205.0	199.6
82.5°	1154.4	585.3	636.6	803.8	1132.9	555.6	218.5	97.1	86.3	83.6
85°	194.2	159.1	245.5	234.7	221.2	118.7	59.3	27.0	24.8	24.3
87.5°	5.4	8.1	10.8	13.5	13.5	13.5	13.5	13.5	15.6	16.2
90°	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

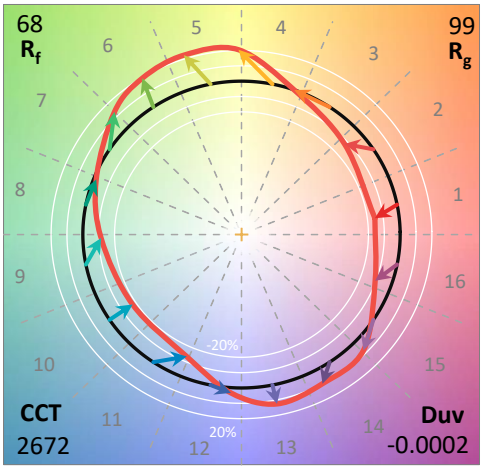
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

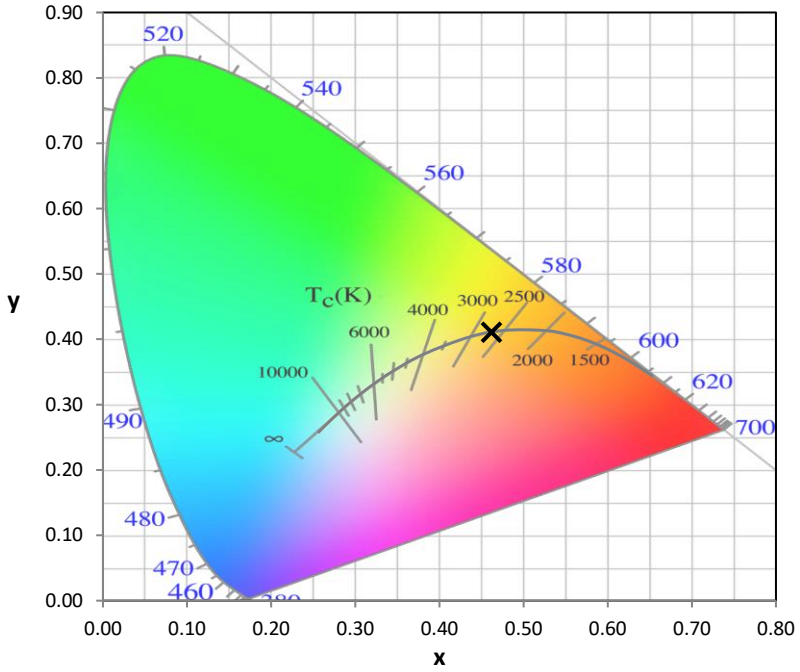
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

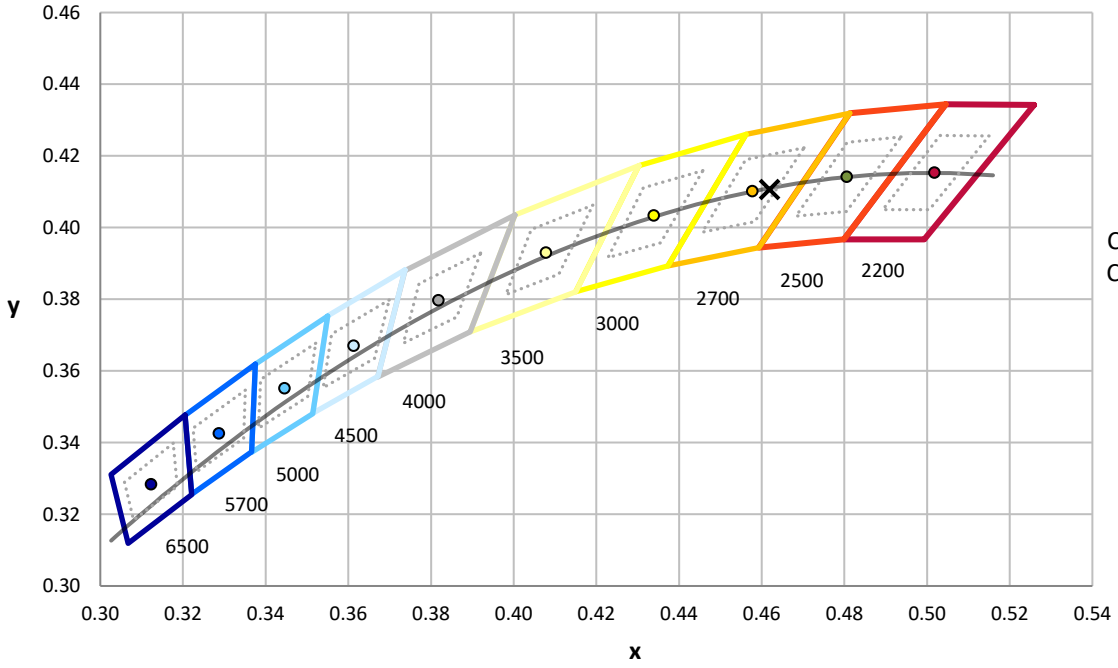
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

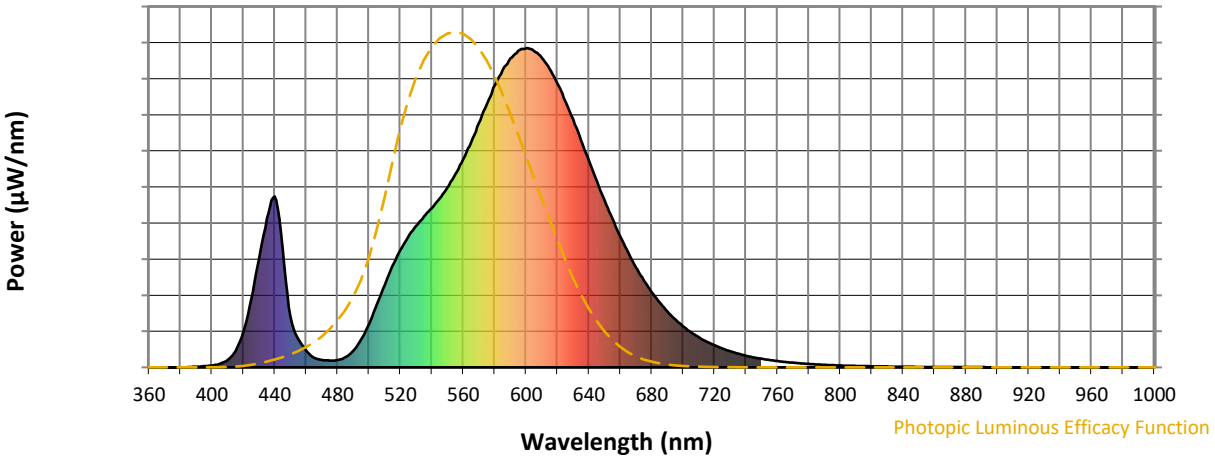


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

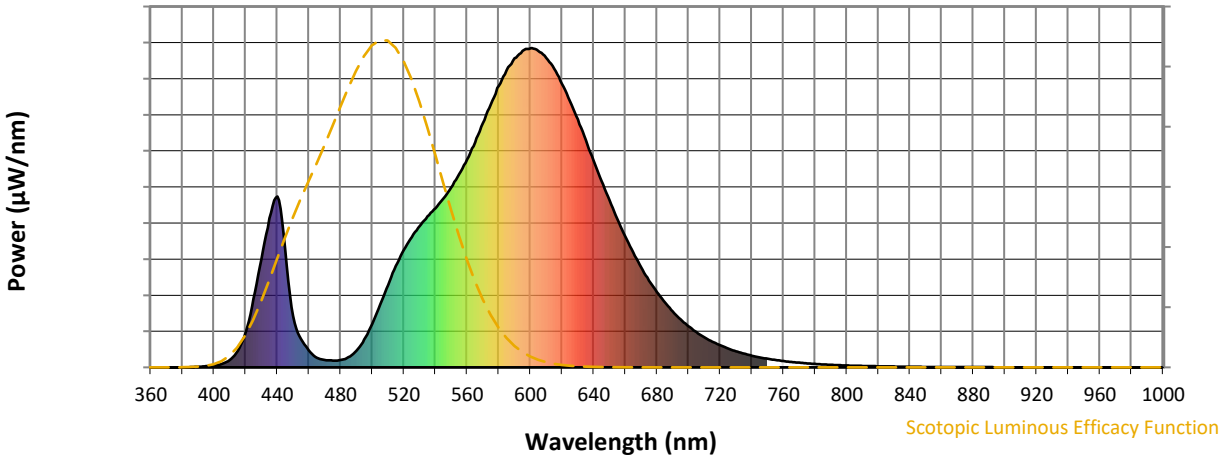


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

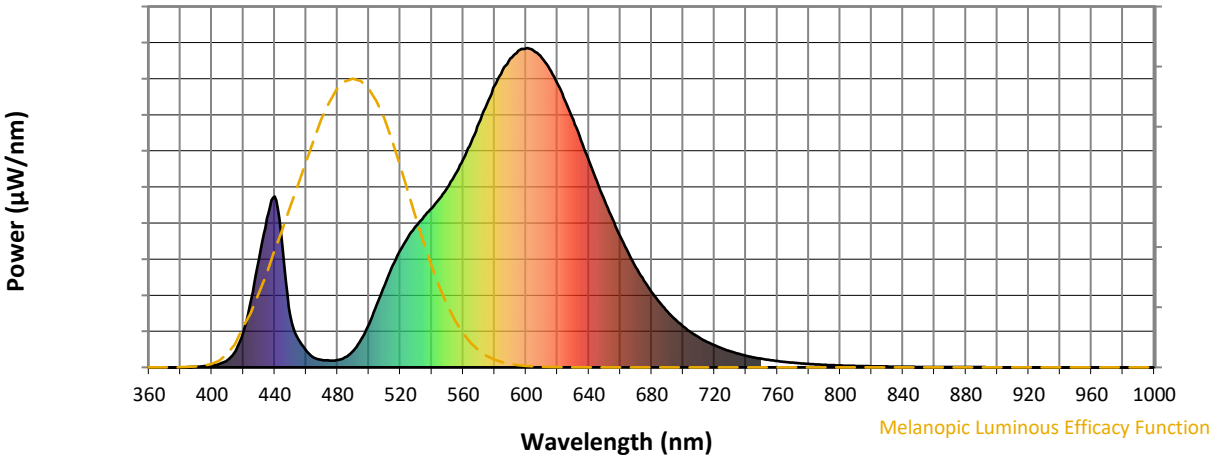


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

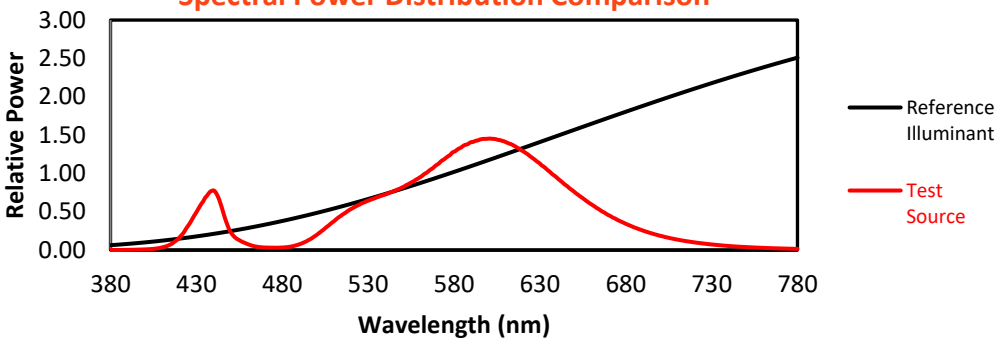
REPORT NUMBER: SP1-2407-184-3

TM-30-18

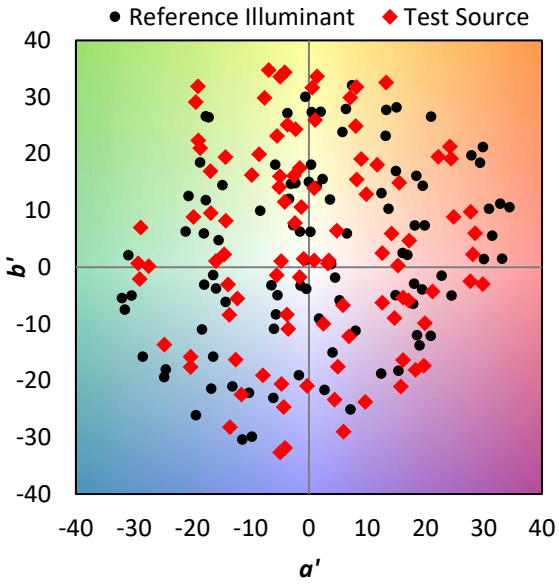
Summary

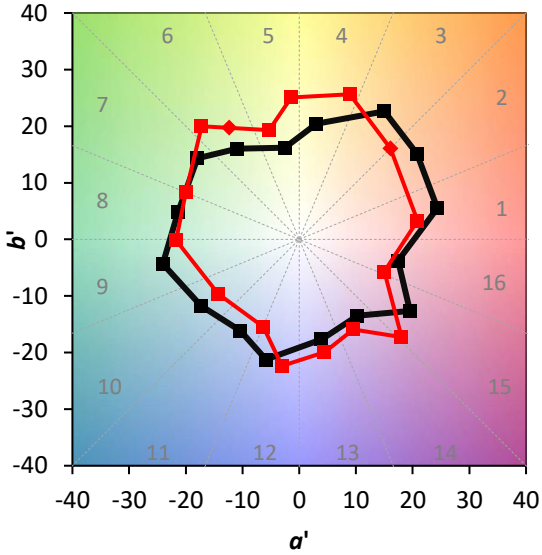
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

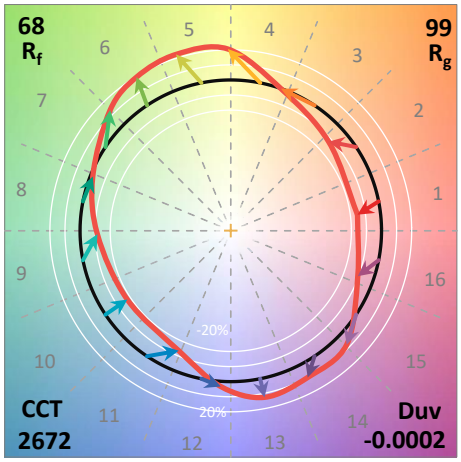
Spectral Power Distribution Comparison

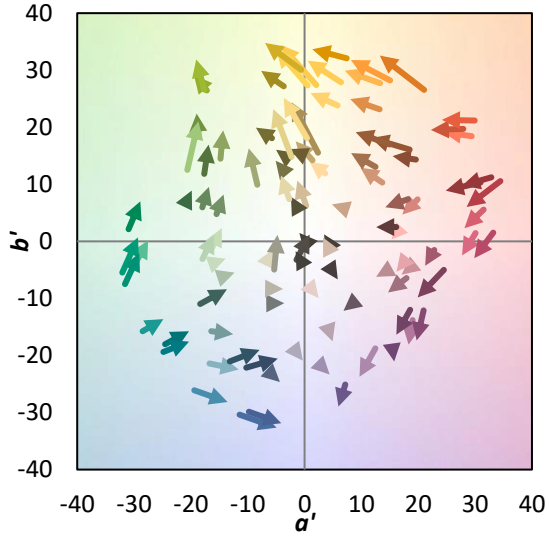


Color Vector Graphics







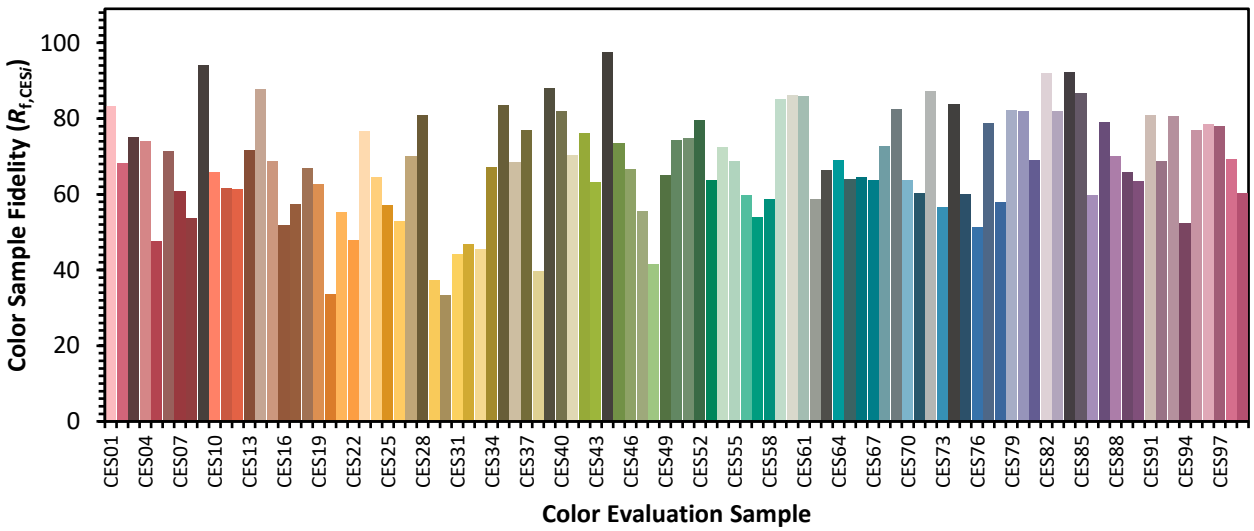


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

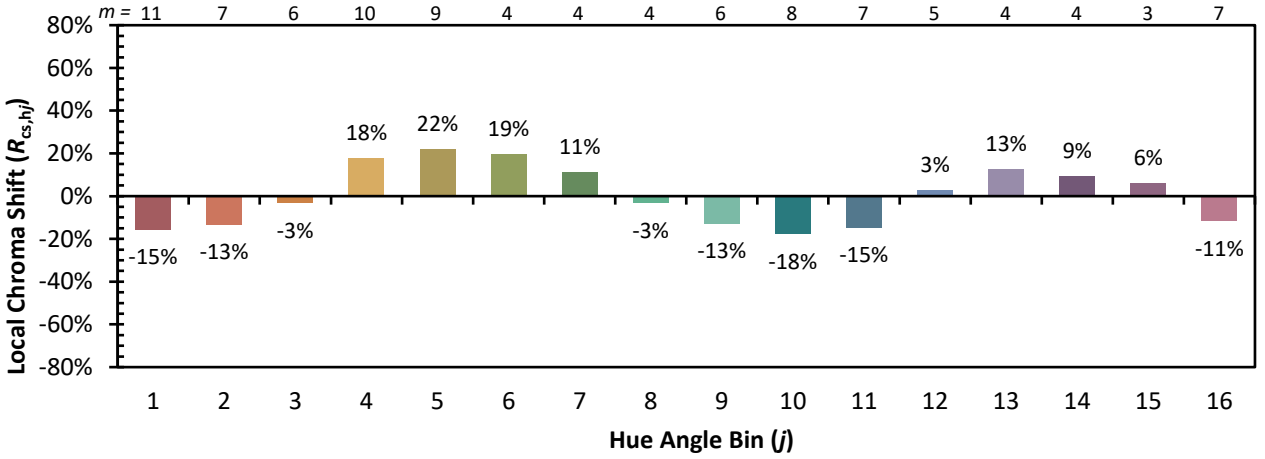
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CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

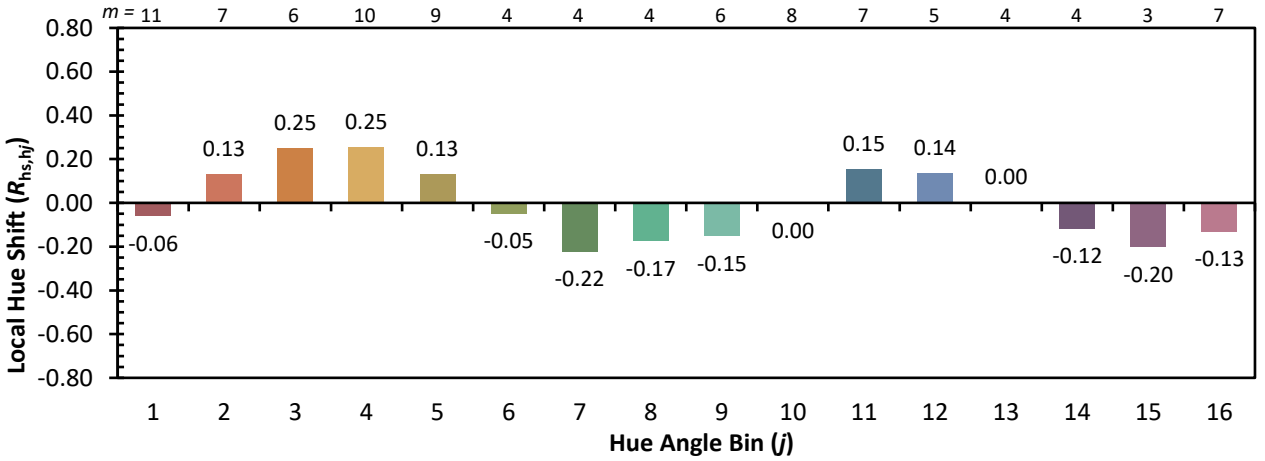


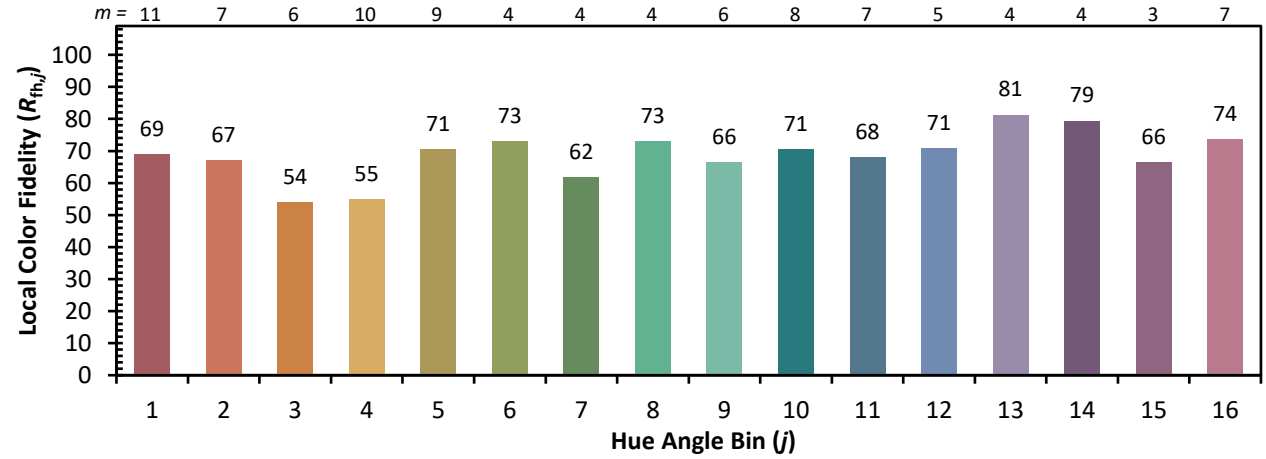
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Color Rendition by Hue-Angle Bin



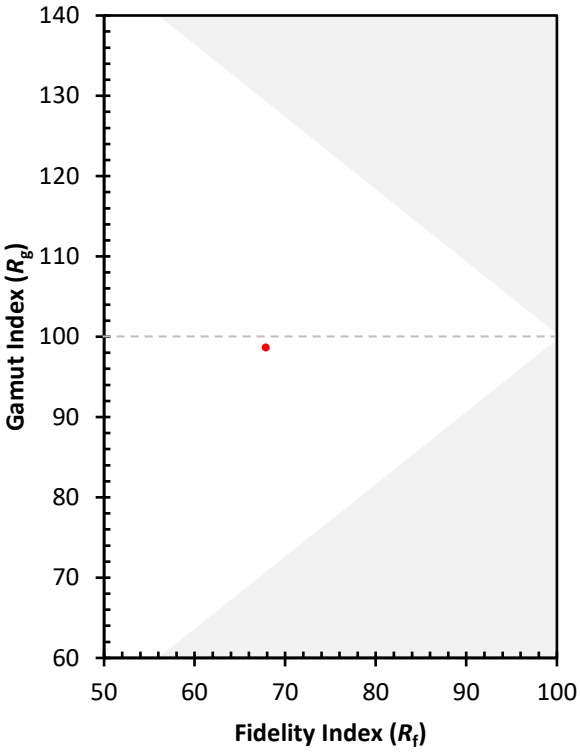


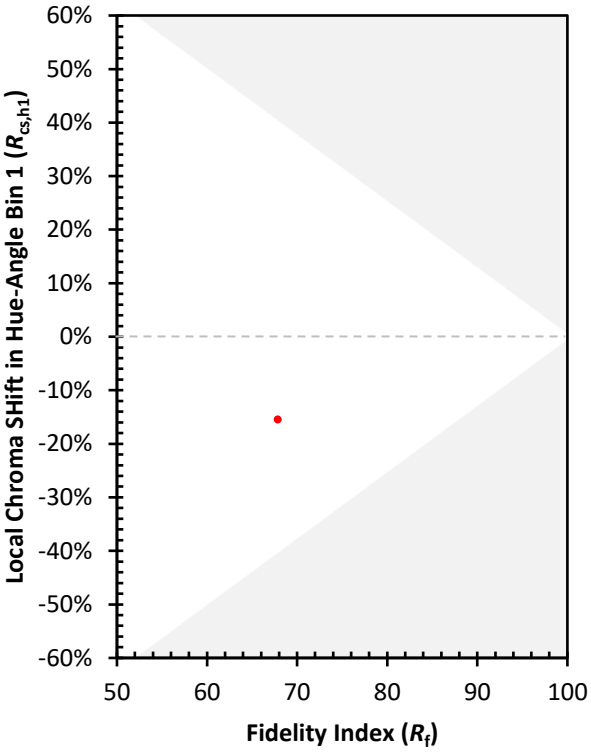


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Measure Comparisons





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