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: P1365327

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

Issue Date: 02/18/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365327
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-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC 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:	8790 lumens
Efficiency:	N/A
Efficacy:	103.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

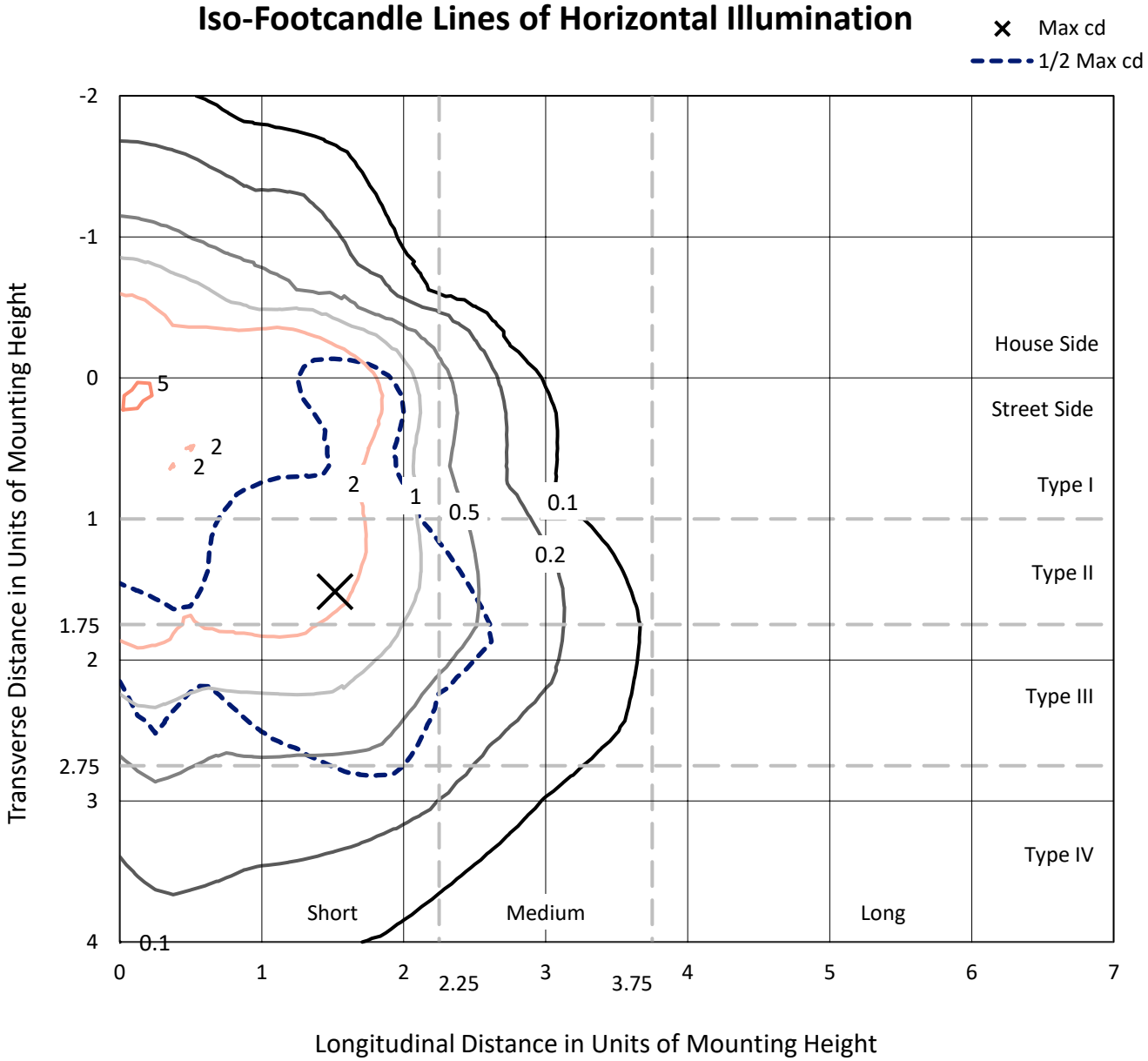
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



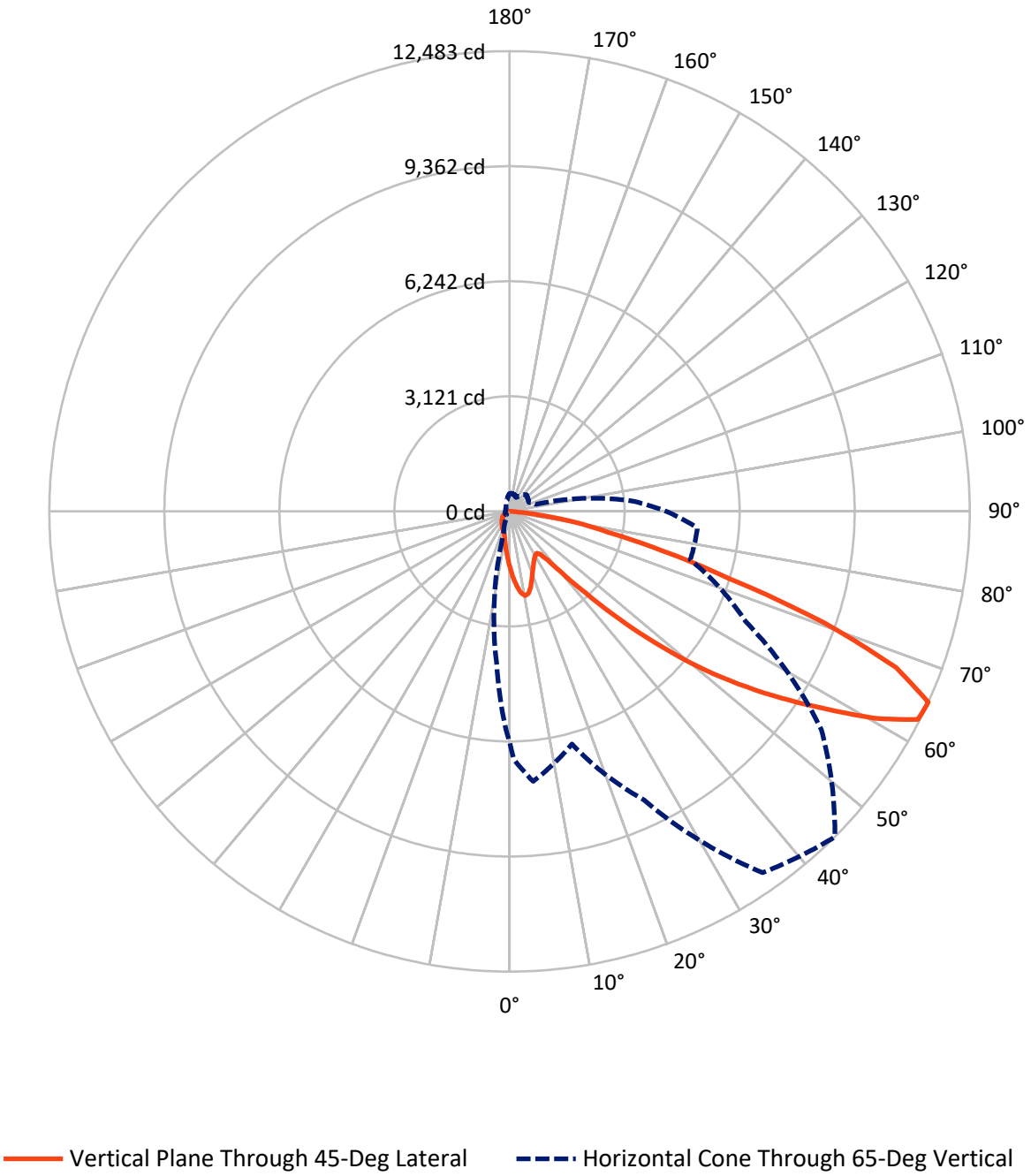
Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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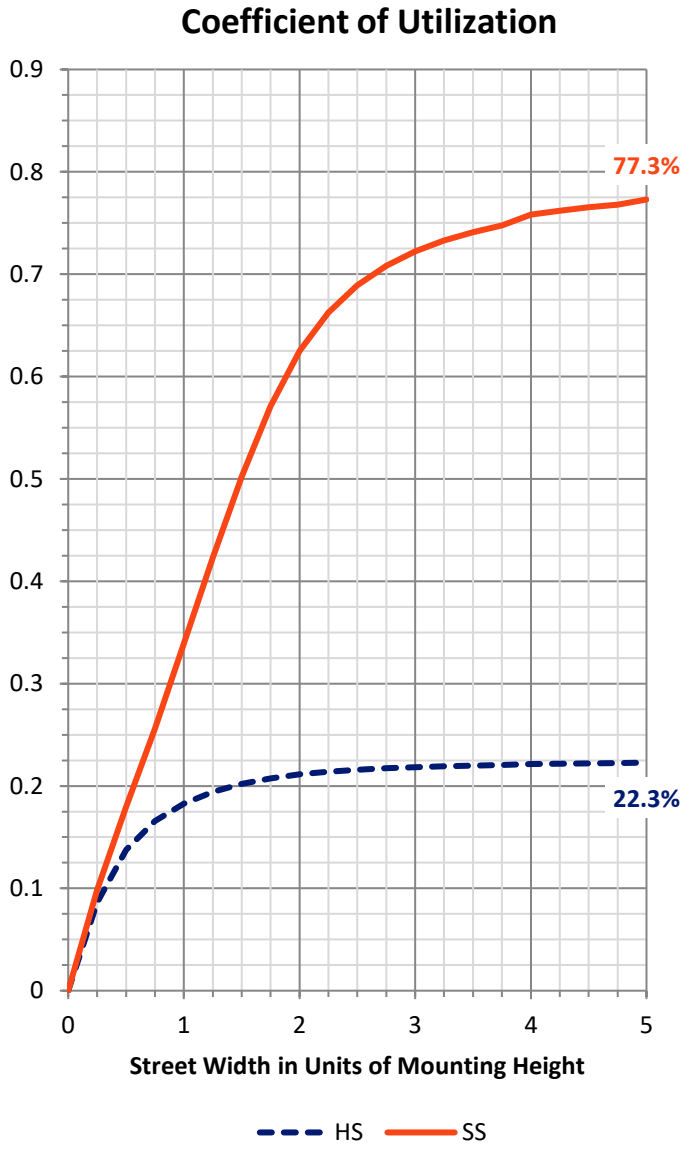
REPORT NUMBER: P1365327
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1977.3	0.0	1977.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	6812.7	0.0	6812.7
	% Fixture	77.5	0.0	77.5
Total	Lumens	8790.0	0.0	8790.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	1.7
10°-20°	403.6	4.6
20°-30°	578.1	6.6
30°-40°	725.2	8.3
40°-50°	1191.3	13.6
50°-60°	2150.9	24.5
60°-70°	2387.8	27.2
70°-80°	1079.3	12.3
80°-90°	127.8	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°	8790.0	100.0
0°-180°	8790.0	100.0



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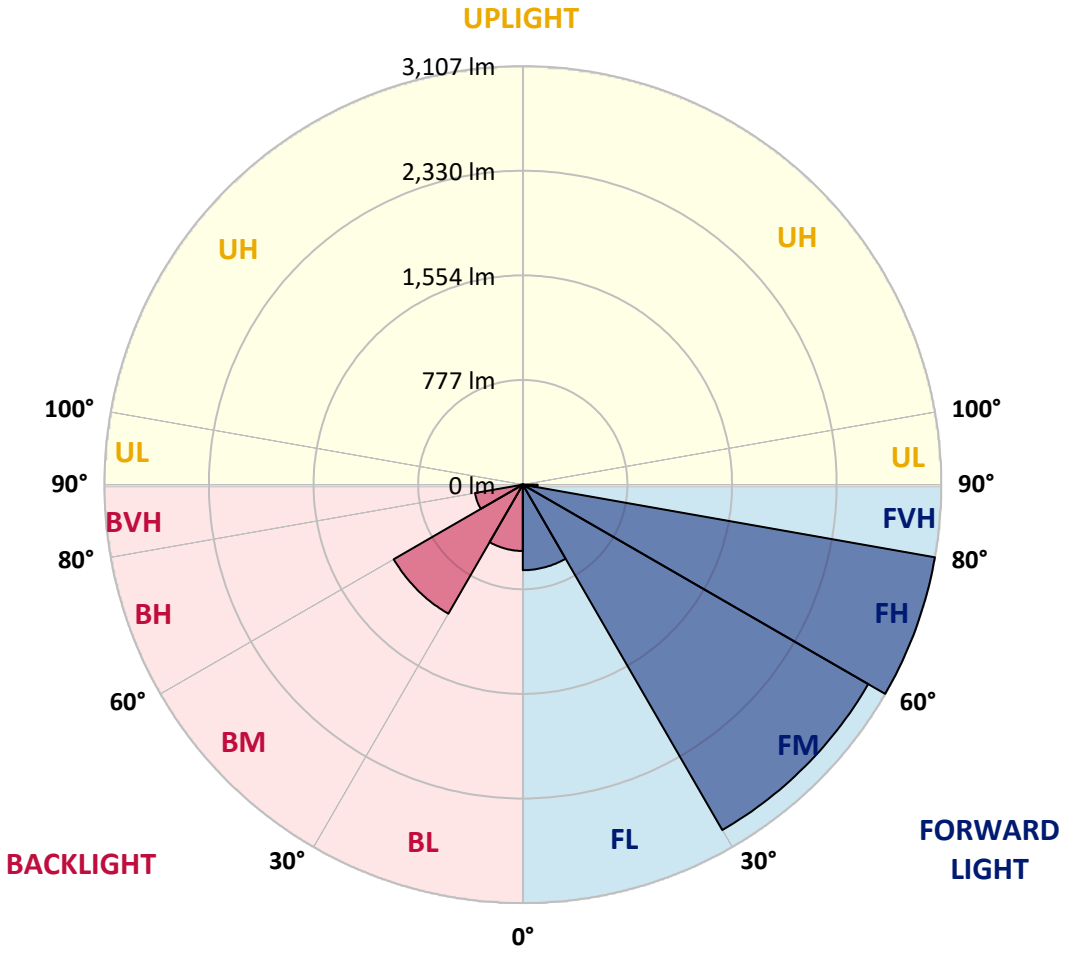
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	635.0	7.2			
FM	(30°-60°)	2961.0	33.7			
FH	(60°-80°)	3107.0	35.3			G2/5000
FVH	(80°-90°)	109.7	1.2			G2/225
BL	(0°-30°)	492.7	5.6	B1/500		
BM	(30°-60°)	1106.3	12.6	B2/2500		
BH	(60°-80°)	360.2	4.1	B1/500		G1/500
BVH	(80°-90°)	18.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-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°	1672.3	1693.9	1691.2	1720.9	1747.9	1766.7	1782.9	1777.5	1764.0	1737.1	1718.2
5°	1847.7	1863.8	1890.8	1947.5	1990.6	2028.4	2023.0	2028.4	1987.9	1947.5	1898.9
7.5°	1998.7	2017.6	2055.3	2136.3	2190.2	2236.1	2230.7	2214.5	2168.6	2101.2	2028.4
10°	2093.1	2106.6	2147.1	2238.8	2300.8	2338.6	2325.1	2298.1	2238.8	2171.3	2085.0
12.5°	2133.6	2149.8	2184.8	2257.6	2298.1	2290.0	2284.6	2279.2	2249.6	2198.3	2120.1
15°	2139.0	2149.8	2176.7	2209.1	2192.9	2147.1	2136.3	2176.7	2214.5	2203.7	2139.0
17.5°	2139.0	2155.1	2160.5	2128.2	2044.6	1960.9	1950.2	2017.6	2122.8	2206.4	2168.6
20°	2147.1	2155.1	2144.4	2039.2	1882.7	1791.0	1772.1	1855.7	2012.2	2176.7	2198.3
22.5°	2157.8	2165.9	2120.1	1934.0	1750.6	1653.4	1642.7	1704.7	1888.1	2133.6	2230.7
25°	2179.4	2174.0	2103.9	1842.3	1634.6	1542.9	1526.7	1607.6	1785.6	2090.4	2284.6
27.5°	2206.4	2182.1	2082.3	1766.7	1551.0	1453.8	1443.1	1521.3	1699.3	2036.5	2330.5
30°	2241.5	2217.2	2079.6	1707.4	1488.9	1391.8	1378.3	1464.6	1640.0	1998.7	2395.2
32.5°	2290.0	2254.9	2082.3	1661.5	1453.8	1362.1	1354.0	1445.8	1615.7	1977.1	2462.6
35°	2354.7	2303.5	2093.1	1645.4	1464.6	1402.6	1421.5	1491.6	1640.0	1993.3	2573.2
37.5°	2435.7	2387.1	2147.1	1680.4	1583.3	1626.5	1675.0	1702.0	1755.9	2068.8	2751.3
40°	2570.5	2503.1	2228.0	1793.7	1901.6	2103.9	2198.3	2187.5	2063.4	2241.5	3002.1
42.5°	2759.3	2697.3	2392.5	2082.3	2433.0	2861.8	3021.0	2929.3	2554.4	2516.6	3414.8
45°	3048.0	2945.5	2613.7	2511.2	3074.9	3778.9	4137.7	3822.1	3177.4	2950.9	4002.8
47.5°	3417.5	3315.0	2958.9	2940.1	3792.4	4911.8	5338.0	4717.6	3795.1	3520.0	4706.8
50°	4010.9	3897.6	3466.0	3377.0	4585.4	6042.0	6611.1	5610.4	4423.6	4124.2	5575.3
52.5°	4825.5	4750.0	4269.8	3827.5	5294.8	7288.1	7779.0	6543.7	4909.1	4814.7	6522.1
55°	5961.0	5888.2	5316.4	4329.2	5966.4	8537.0	8933.5	7393.3	5332.6	5623.9	7512.0
57.5°	7247.7	7369.0	6748.7	4998.1	6673.1	9543.1	10096.0	8164.7	5904.4	6705.5	8612.5
60°	8086.5	8469.5	8391.3	6166.0	7770.9	10794.6	11396.1	9197.8	6740.6	7501.2	8588.2
62.5°	7358.3	7741.3	8340.1	7520.1	8828.3	11927.5	12434.6	10284.8	7571.3	6867.3	7212.6
65°	6244.3	6721.7	7352.9	6532.9	8642.2	11962.6	12483.1	10325.3	7064.2	5076.3	5114.1
67.5°	5381.1	5804.6	6581.4	5559.2	7660.4	10894.4	11304.4	9211.3	5839.7	3366.2	3336.6
70°	4491.0	4879.4	5861.2	4949.6	6710.9	9389.3	9036.0	7744.0	4936.1	2236.1	1853.1
72.5°	3827.5	4186.2	5208.5	4447.9	5324.5	7609.1	6228.1	6425.0	4016.3	1421.5	1262.3
75°	3166.6	3495.7	4429.0	4027.1	4404.7	4747.3	4304.9	4563.8	3309.6	1205.7	973.7
77.5°	2222.6	2427.6	3107.3	3204.4	3428.3	2810.6	2729.7	3196.3	2354.7	598.8	410.0
80°	1095.1	1221.9	1621.1	1907.0	1621.1	1594.1	1818.0	2128.2	1221.9	366.8	226.6
82.5°	490.9	582.6	747.2	1154.4	585.3	636.6	803.8	1132.9	555.6	218.5	97.1
85°	78.2	86.3	145.7	194.2	159.1	245.5	234.7	221.2	118.7	59.3	27.0
87.5°	2.7	2.7	2.7	5.4	8.1	10.8	13.5	13.5	13.5	13.5	13.5
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°	1712.8	1704.7	1664.2	1623.8	1588.7	1553.6	1518.6	1470.0	1432.3	1399.9	1386.4
5°	1874.6	1831.5	1769.4	1702.0	1642.7	1575.2	1510.5	1437.7	1378.3	1316.3	1283.9
7.5°	1985.2	1942.1	1839.6	1737.1	1664.2	1591.4	1524.0	1443.1	1364.8	1275.8	1227.3
10°	2036.5	1987.9	1877.3	1758.6	1669.6	1596.8	1534.8	1467.3	1389.1	1278.5	1213.8
12.5°	2071.5	2012.2	1885.4	1764.0	1675.0	1599.5	1540.2	1491.6	1445.8	1337.9	1262.3
15°	2093.1	2039.2	1907.0	1766.7	1666.9	1577.9	1521.3	1505.1	1513.2	1461.9	1370.2
17.5°	2125.5	2074.2	1934.0	1782.9	1653.4	1532.1	1470.0	1505.1	1577.9	1594.1	1521.3
20°	2168.6	2114.7	1969.0	1796.4	1613.0	1445.8	1386.4	1475.4	1596.8	1680.4	1640.0
22.5°	2217.2	2174.0	2009.5	1809.9	1553.6	1332.5	1305.5	1413.4	1542.9	1650.8	1653.4
25°	2276.5	2236.1	2066.1	1823.4	1472.7	1235.4	1240.8	1332.5	1435.0	1545.6	1564.4
27.5°	2357.4	2319.7	2136.3	1839.6	1389.1	1157.1	1184.1	1251.6	1321.7	1389.1	1416.1
30°	2446.5	2416.8	2219.9	1871.9	1310.9	1111.3	1127.5	1173.3	1230.0	1270.4	1283.9
32.5°	2567.8	2519.3	2298.1	1869.2	1251.6	1089.7	1073.5	1087.0	1132.9	1173.3	1176.0
35°	2718.9	2681.1	2379.0	1820.7	1197.6	1078.9	1022.3	1014.2	1041.2	1081.6	1078.9
37.5°	2940.1	2907.7	2511.2	1745.2	1130.2	1051.9	968.3	941.4	960.2	987.2	995.3
40°	3271.8	3188.2	2662.2	1661.5	1062.7	1003.4	903.6	865.8	879.3	909.0	914.4
42.5°	3722.3	3563.1	2864.5	1548.3	998.0	930.6	838.9	798.4	806.5	833.5	838.9
45°	4299.5	4059.4	3142.4	1429.6	946.8	855.0	771.4	728.3	736.4	766.0	779.5
47.5°	4973.8	4644.8	3433.7	1302.8	917.1	795.7	704.0	671.6	690.5	720.2	725.6
50°	5769.5	5437.8	3619.8	1200.3	898.2	749.9	642.0	628.5	652.7	677.0	682.4
52.5°	6638.1	6166.0	3501.1	1116.7	882.0	733.7	598.8	604.2	623.1	647.4	655.4
55°	7482.3	6433.1	3107.3	1008.8	863.1	744.5	566.4	579.9	604.2	623.1	628.5
57.5°	8032.6	6209.2	2503.1	895.5	841.6	752.5	550.3	561.0	588.0	609.6	612.3
60°	7552.5	5718.3	1874.6	798.4	795.7	739.1	544.9	528.7	566.4	585.3	588.0
62.5°	6187.6	4677.1	1197.6	706.7	709.4	709.4	542.2	474.7	523.3	539.5	536.8
65°	*4251.0*	*3306.9*	*741.8*	*577.2*	*604.2*	*644.7*	*526.0*	*418.1*	*474.7*	*490.9*	*485.5*
67.5°	2794.4	2101.2	458.5	445.1	496.3	558.3	493.6	374.9	426.2	437.0	420.8
70°	1515.9	989.9	302.1	291.3	388.4	439.7	418.1	337.2	380.3	391.1	374.9
72.5°	1000.7	569.1	213.1	213.1	304.8	307.5	342.6	302.1	337.2	348.0	331.8
75°	752.5	366.8	148.4	164.5	194.2	240.1	245.5	253.5	285.9	299.4	283.2
77.5°	345.3	134.9	89.0	121.4	134.9	183.4	156.4	188.8	213.1	218.5	205.0
80°	199.6	75.5	59.3	78.2	86.3	151.0	91.7	113.3	151.0	159.1	143.0
82.5°	83.6	37.8	40.5	48.6	51.2	83.6	64.7	72.8	99.8	97.1	86.3
85°	24.3	24.3	27.0	29.7	29.7	48.6	45.9	43.2	45.9	45.9	37.8
87.5°	16.2	16.2	16.2	18.9	18.9	21.6	24.3	27.0	27.0	27.0	24.3
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°	1367.5	1343.3	1308.2	1302.8	1283.9	1270.4	1283.9	1297.4	1321.7	1324.4	1335.2
5°	1254.2	1197.6	1154.4	1105.9	1081.6	1078.9	1073.5	1089.7	1124.8	1146.4	1162.5
7.5°	1178.7	1076.2	1000.7	933.3	909.0	890.1	906.3	903.6	949.5	968.3	984.5
10°	1138.3	995.3	882.0	798.4	766.0	747.2	744.5	749.9	776.8	795.7	814.6
12.5°	1165.2	962.9	795.7	698.6	663.5	642.0	623.1	623.1	628.5	652.7	660.8
15°	1254.2	981.8	755.2	650.1	604.2	569.1	544.9	526.0	528.7	531.4	539.5
17.5°	1383.7	1030.4	741.8	620.4	571.8	528.7	504.4	482.8	477.4	477.4	474.7
20°	1507.8	1068.1	731.0	596.1	534.1	496.3	474.7	455.8	447.8	447.8	447.8
22.5°	1559.0	1100.5	717.5	566.4	496.3	461.2	442.4	428.9	426.2	426.2	423.5
25°	1518.6	1089.7	701.3	536.8	461.2	434.3	418.1	404.6	401.9	404.6	401.9
27.5°	1391.8	1051.9	679.7	512.5	434.3	410.0	396.5	383.0	380.3	383.0	383.0
30°	1256.9	987.2	644.7	493.6	412.7	385.7	372.2	358.7	358.7	361.4	364.1
32.5°	1149.1	922.5	604.2	469.3	388.4	364.1	350.6	337.2	337.2	342.6	342.6
35°	1057.3	871.2	563.7	445.1	366.8	339.9	329.1	318.3	315.6	321.0	323.7
37.5°	984.5	825.4	520.6	420.8	345.3	321.0	310.2	296.7	294.0	299.4	304.8
40°	909.0	774.1	482.8	391.1	323.7	299.4	288.6	272.4	272.4	277.8	283.2
42.5°	836.2	728.3	458.5	364.1	302.1	275.1	264.3	250.8	250.8	256.2	261.6
45°	776.8	685.1	445.1	337.2	277.8	253.5	240.1	229.3	232.0	237.4	242.8
47.5°	720.2	639.3	447.8	323.7	261.6	229.3	215.8	207.7	213.1	221.2	226.6
50°	677.0	606.9	450.5	302.1	240.1	210.4	196.9	191.5	199.6	207.7	213.1
52.5°	650.1	574.5	434.3	275.1	223.9	191.5	183.4	183.4	191.5	196.9	202.3
55°	623.1	520.6	399.2	245.5	207.7	178.0	172.6	172.6	180.7	186.1	188.8
57.5°	601.5	463.9	358.7	221.2	188.8	164.5	164.5	164.5	167.2	169.9	175.3
60°	561.0	404.6	307.5	202.3	169.9	153.7	151.0	151.0	148.4	151.0	159.1
62.5°	490.9	339.9	261.6	180.7	153.7	140.3	137.6	129.5	121.4	124.1	129.5
65°	*415.4*	*269.7*	*218.5*	*156.4*	*132.2*	*124.1*	*121.4*	*107.9*	*97.1*	*99.8*	*107.9*
67.5°	331.8	202.3	183.4	134.9	113.3	105.2	105.2	97.1	89.0	89.0	94.4
70°	258.9	169.9	137.6	107.9	89.0	89.0	94.4	86.3	75.5	75.5	83.6
72.5°	210.4	137.6	110.6	83.6	70.1	75.5	78.2	70.1	62.0	62.0	67.4
75°	164.5	107.9	86.3	62.0	53.9	56.6	62.0	56.6	48.6	51.2	53.9
77.5°	113.3	72.8	56.6	45.9	40.5	43.2	43.2	40.5	37.8	37.8	40.5
80°	75.5	48.6	37.8	32.4	29.7	29.7	27.0	27.0	29.7	29.7	32.4
82.5°	53.9	35.1	29.7	24.3	18.9	18.9	21.6	21.6	24.3	24.3	27.0
85°	32.4	24.3	21.6	16.2	13.5	16.2	16.2	18.9	21.6	21.6	24.3
87.5°	24.3	18.9	16.2	13.5	10.8	10.8	13.5	13.5	16.2	18.9	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1365327
CATALOG NUMBER: GSS-SB3A-727-U-SLL-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°	1362.1	1394.5	1440.4	1480.8	1529.4	1577.9	1623.8	1666.9	1669.6	1672.3
5°	1213.8	1278.5	1354.0	1445.8	1542.9	1637.3	1737.1	1818.0	1836.9	1847.7
7.5°	1049.3	1143.7	1259.6	1389.1	1534.8	1680.4	1820.7	1942.1	1987.9	1998.7
10°	876.6	992.6	1132.9	1300.1	1497.0	1691.2	1880.0	2028.4	2082.3	2093.1
12.5°	722.9	817.3	979.1	1181.4	1418.8	1675.0	1901.6	2066.1	2120.1	2133.6
15°	590.7	679.7	830.8	1043.9	1310.9	1618.4	1885.4	2074.2	2128.2	2139.0
17.5°	488.2	544.9	682.4	914.4	1213.8	1545.6	1863.8	2079.6	2130.9	2139.0
20°	447.8	458.5	531.4	757.9	1111.3	1491.6	1850.4	2087.7	2139.0	2147.1
22.5°	428.9	428.9	445.1	577.2	968.3	1435.0	1845.0	2112.0	2149.8	2157.8
25°	410.0	410.0	415.4	453.1	798.4	1364.8	1855.7	2155.1	2179.4	2179.4
27.5°	391.1	391.1	396.5	404.6	593.4	1248.9	1858.4	2203.7	2214.5	2206.4
30°	372.2	377.6	377.6	383.0	437.0	1103.2	1842.3	2257.6	2257.6	2241.5
32.5°	353.3	356.0	361.4	364.1	380.3	914.4	1815.3	2325.1	2311.6	2290.0
35°	337.2	339.9	339.9	345.3	361.4	731.0	1785.6	2416.8	2379.0	2354.7
37.5°	315.6	318.3	321.0	326.4	342.6	579.9	1742.5	2495.0	2468.0	2435.7
40°	296.7	299.4	302.1	307.5	323.7	499.0	1688.5	2613.7	2608.3	2570.5
42.5°	275.1	280.5	283.2	285.9	307.5	455.8	1650.8	2805.2	2805.2	2759.3
45°	256.2	261.6	261.6	267.0	296.7	418.1	1734.4	3069.5	3091.1	3048.0
47.5°	240.1	242.8	242.8	245.5	280.5	385.7	1958.2	3474.1	3447.2	3417.5
50°	223.9	229.3	223.9	226.6	267.0	404.6	2327.8	3992.0	4062.1	4010.9
52.5°	213.1	215.8	205.0	205.0	248.2	428.9	2629.9	4652.9	4887.5	4825.5
55°	199.6	202.3	188.8	188.8	218.5	372.2	2648.8	5405.4	5920.6	5961.0
57.5°	186.1	186.1	175.3	172.6	188.8	302.1	2349.4	5988.0	7156.0	7247.7
60°	169.9	167.2	161.8	156.4	172.6	277.8	1791.0	5909.8	7768.2	8086.5
62.5°	145.7	151.0	148.4	137.6	156.4	258.9	1167.9	5114.1	7077.7	7358.3
65°	*121.4*	*129.5*	*129.5*	*121.4*	*172.6*	*226.6*	*615.0*	*4094.5*	*5907.1*	*6244.3*
67.5°	107.9	113.3	110.6	105.2	153.7	143.0	296.7	3139.7	5057.5	5381.1
70°	94.4	99.8	91.7	86.3	124.1	102.5	175.3	2101.2	4175.4	4491.0
72.5°	78.2	83.6	75.5	67.4	91.7	78.2	116.0	1367.5	3476.8	3827.5
75°	64.7	67.4	62.0	53.9	67.4	62.0	80.9	892.8	2907.7	3166.6
77.5°	45.9	51.2	48.6	40.5	48.6	43.2	56.6	509.8	2028.4	2222.6
80°	35.1	35.1	35.1	32.4	29.7	29.7	37.8	229.3	984.5	1095.1
82.5°	29.7	29.7	27.0	24.3	21.6	18.9	21.6	67.4	463.9	490.9
85°	27.0	21.6	18.9	16.2	13.5	8.1	8.1	18.9	94.4	78.2
87.5°	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

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

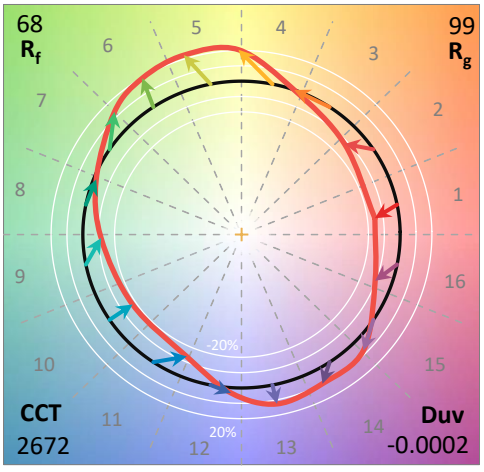
Test Information

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

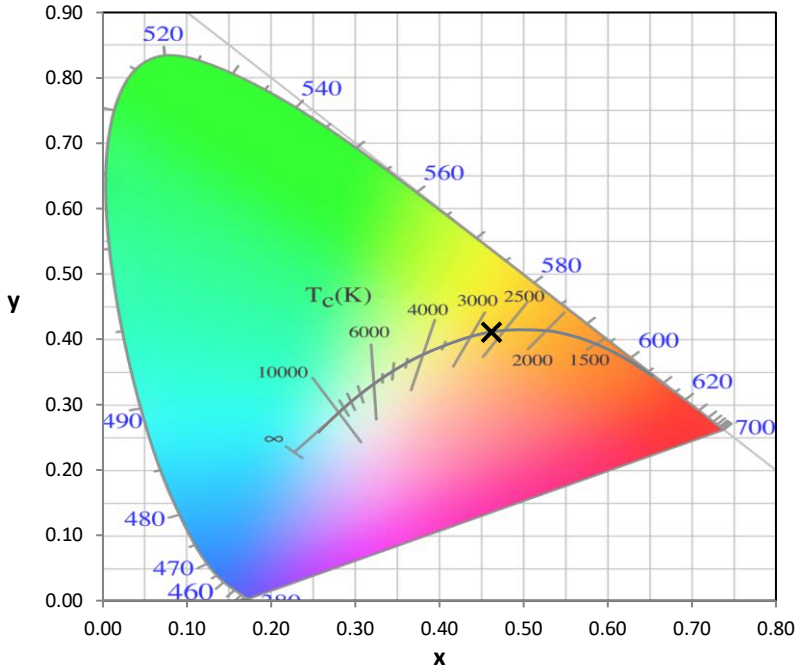
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

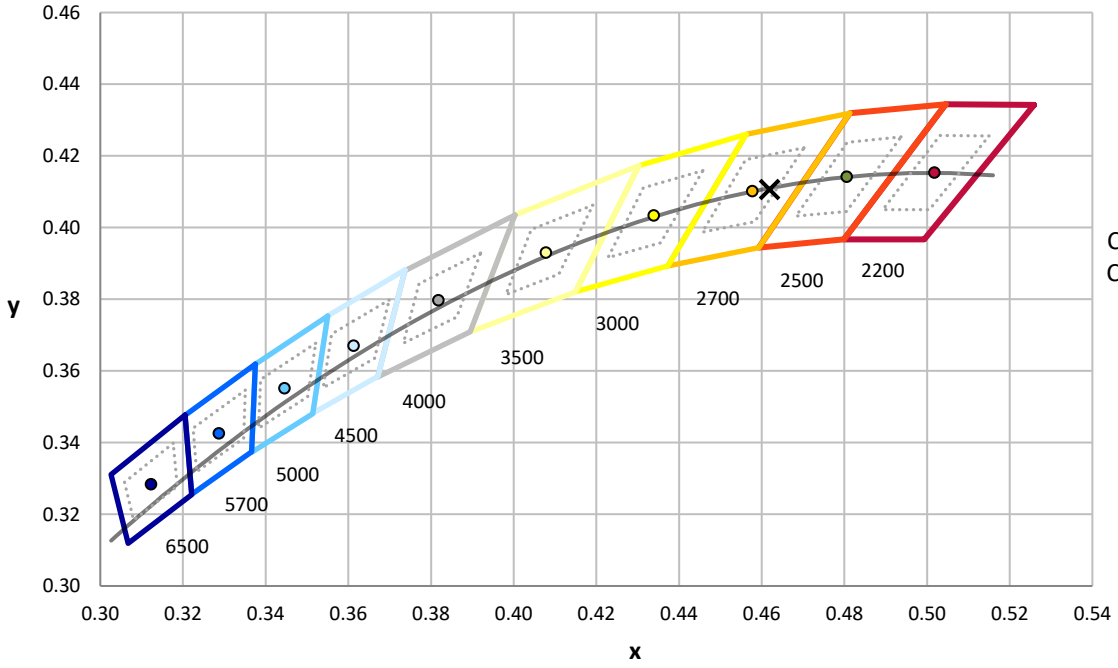
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

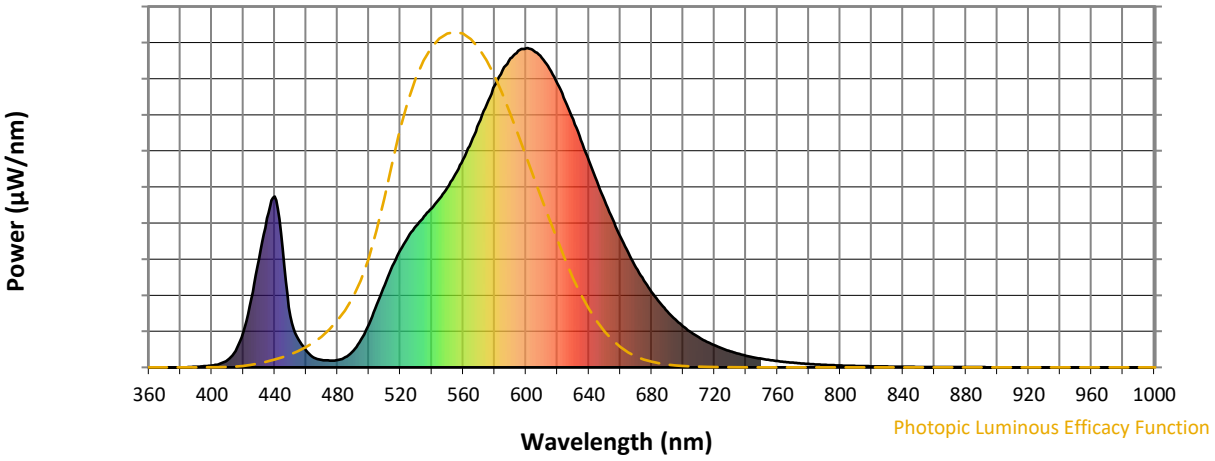


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

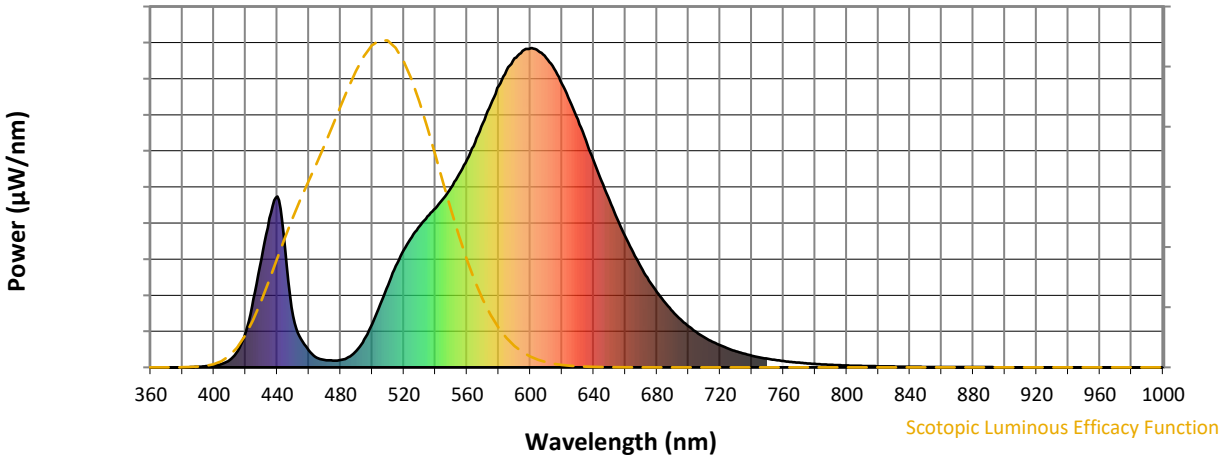


Photopic Lumens: NR

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

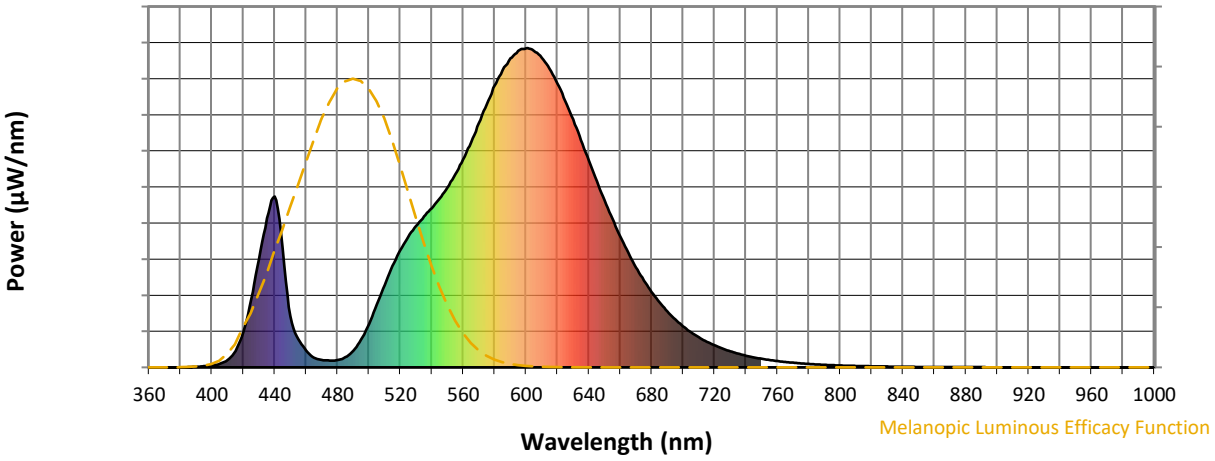


Scotopic Lumens: NR **S/P: 1.02**

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			

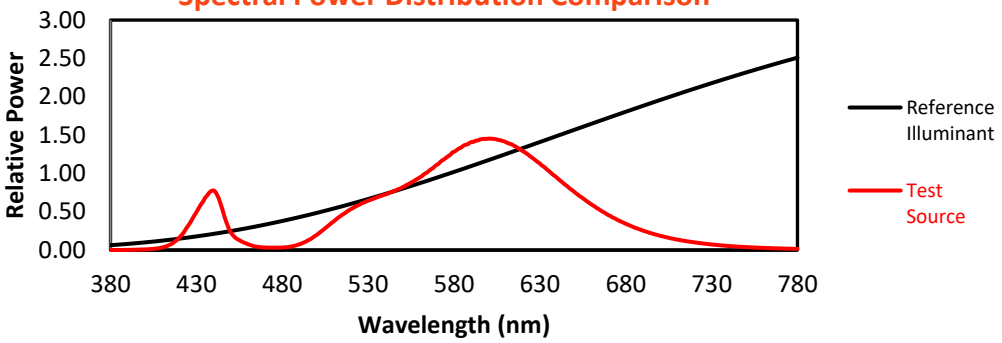
REPORT NUMBER: SP1-2407-184-3

TM-30-18

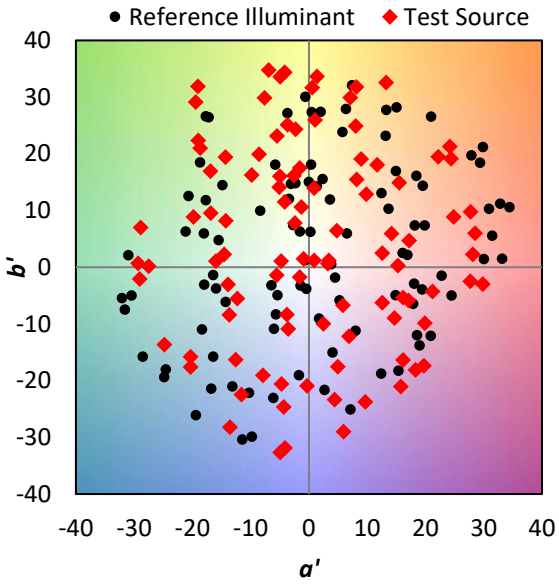
Summary

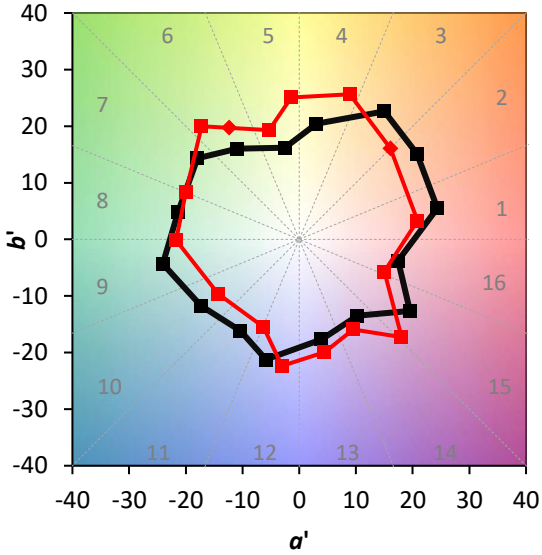
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

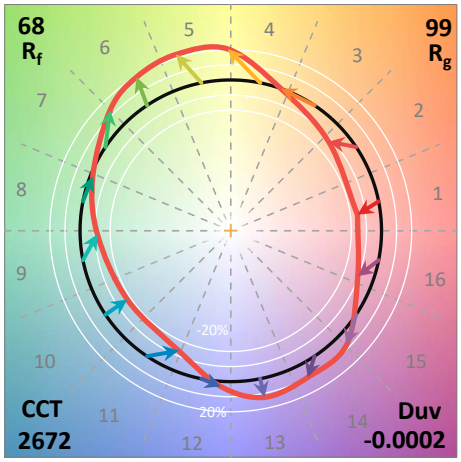
Spectral Power Distribution Comparison

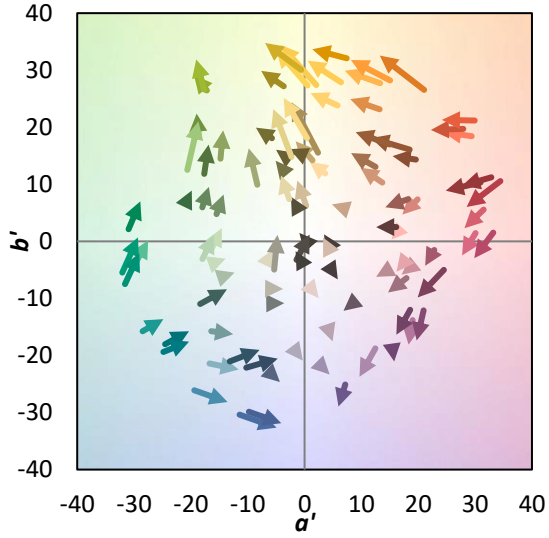


Color Vector Graphics







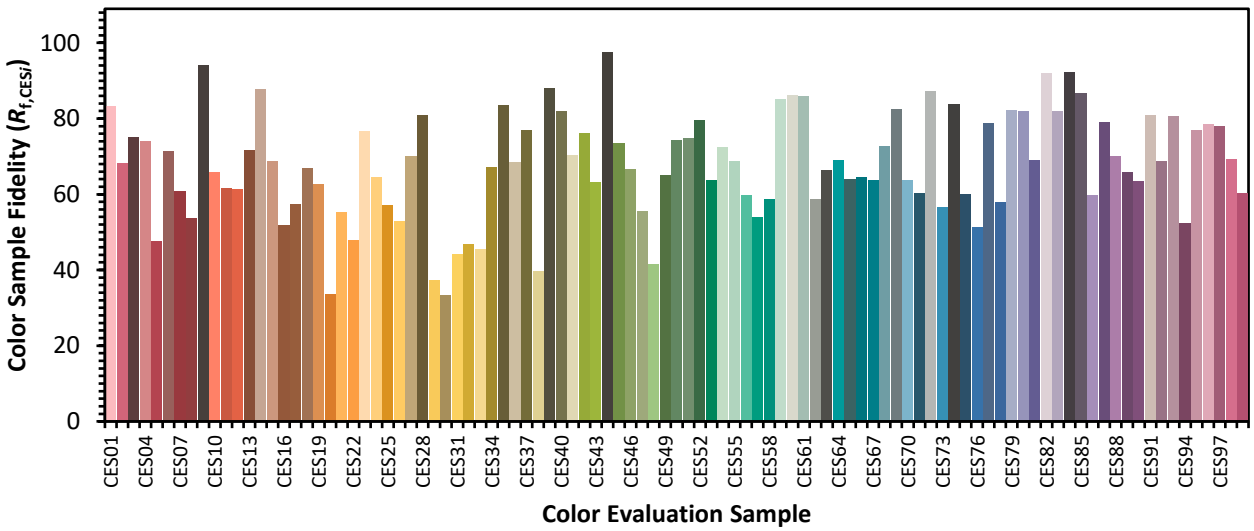


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

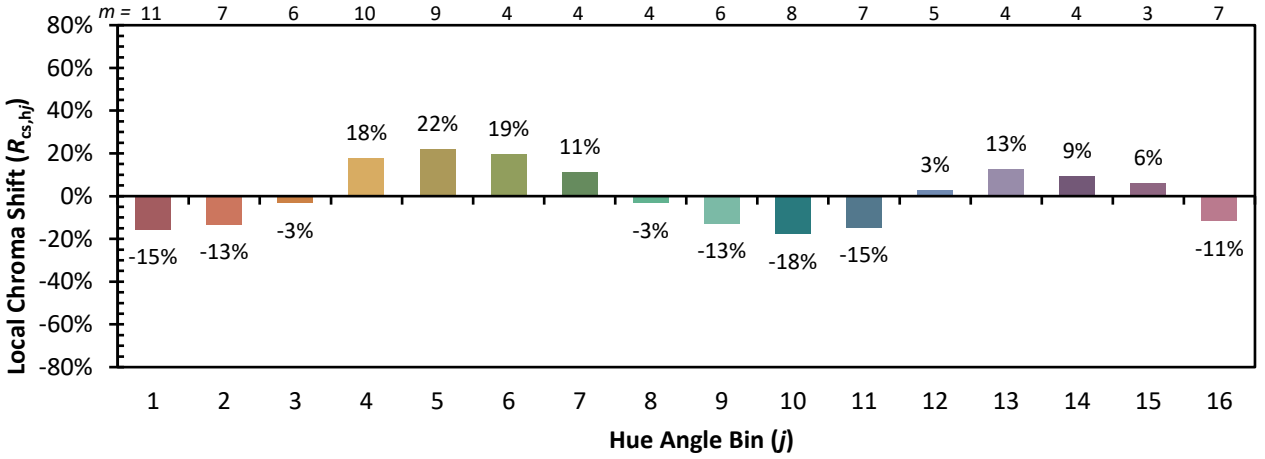
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CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 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	

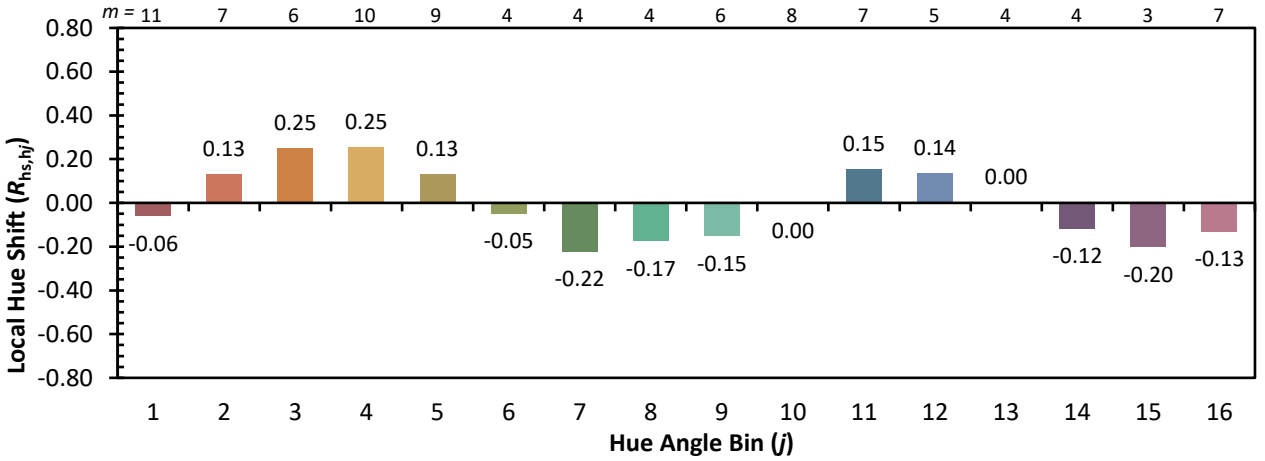


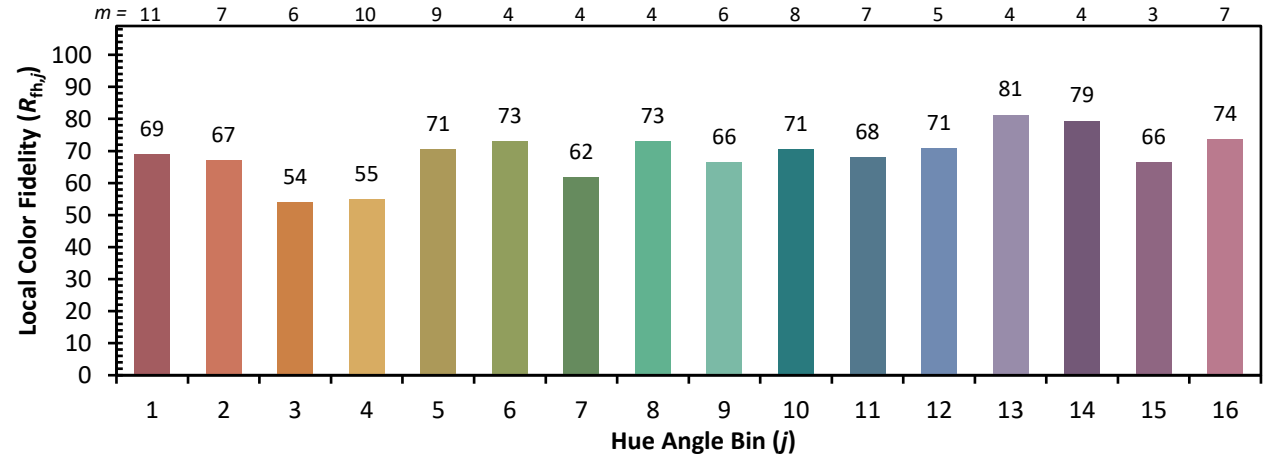
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



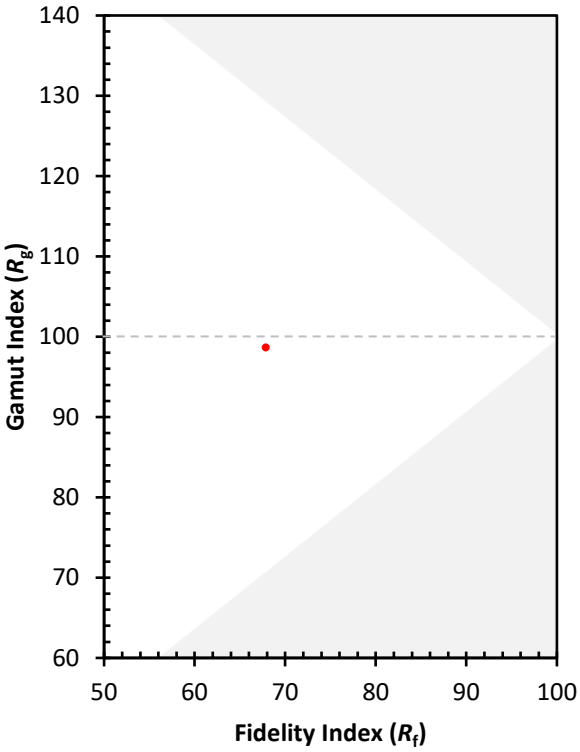


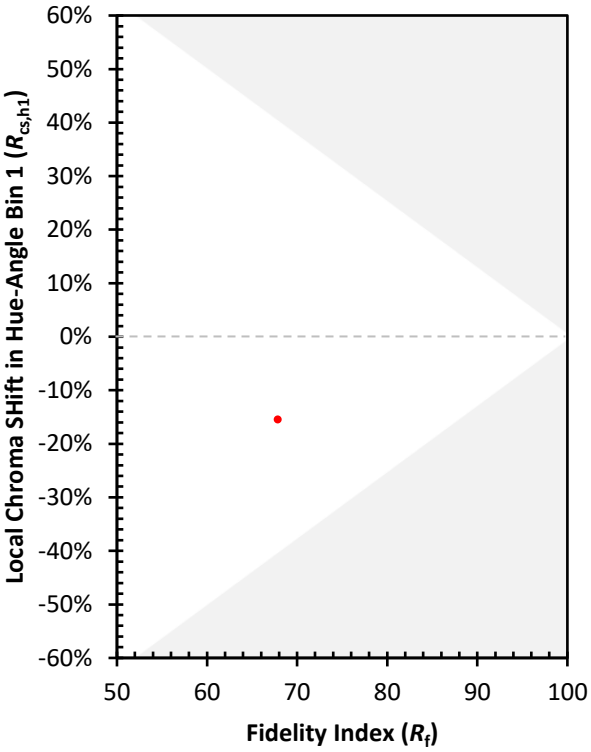


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





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