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: P1365375

Luminaire Tested: **GSS-SB3A-735-U-SLL-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:	P1365375
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9471.6 lumens
Efficiency:	N/A
Efficacy:	111.4 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

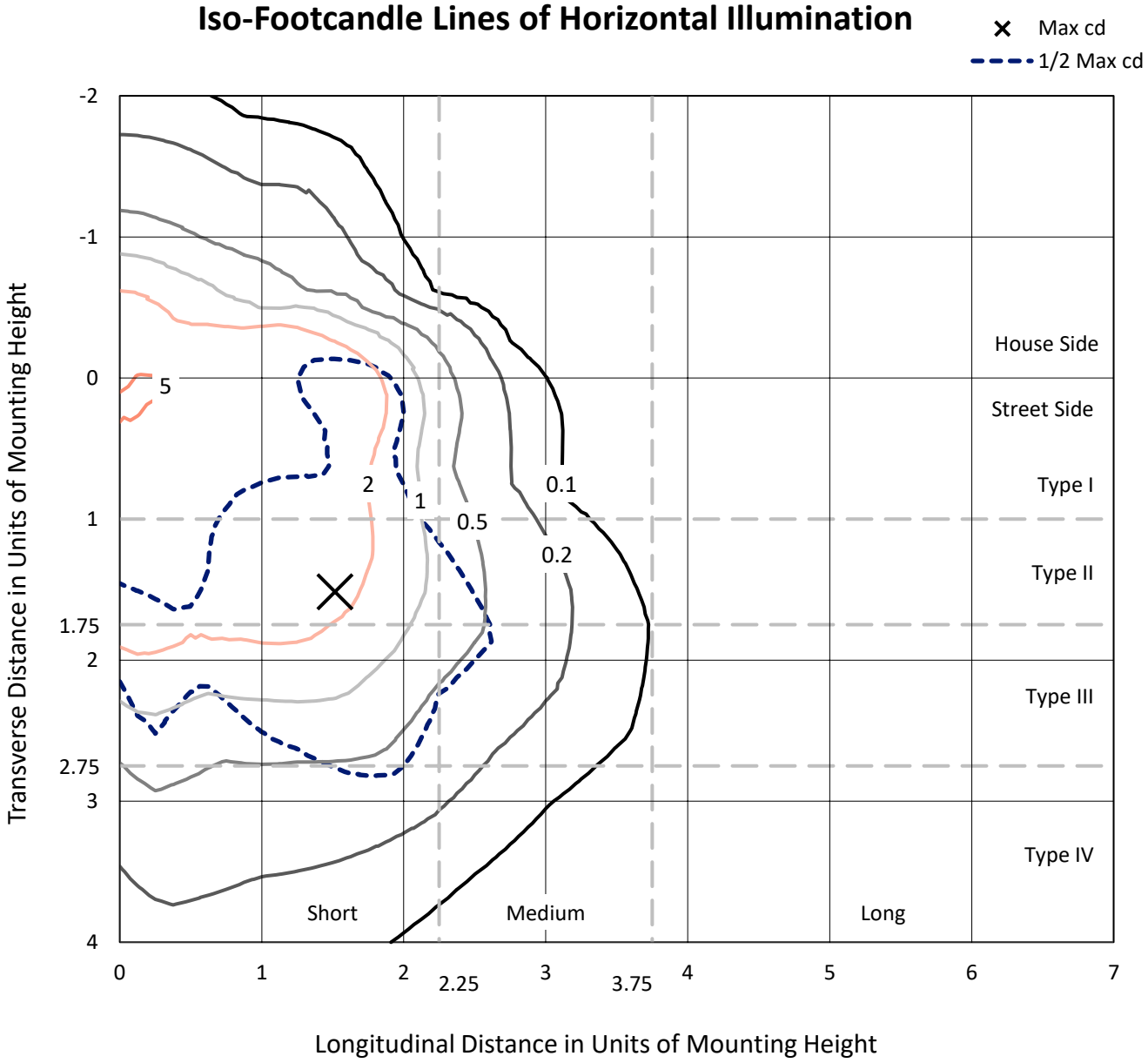
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



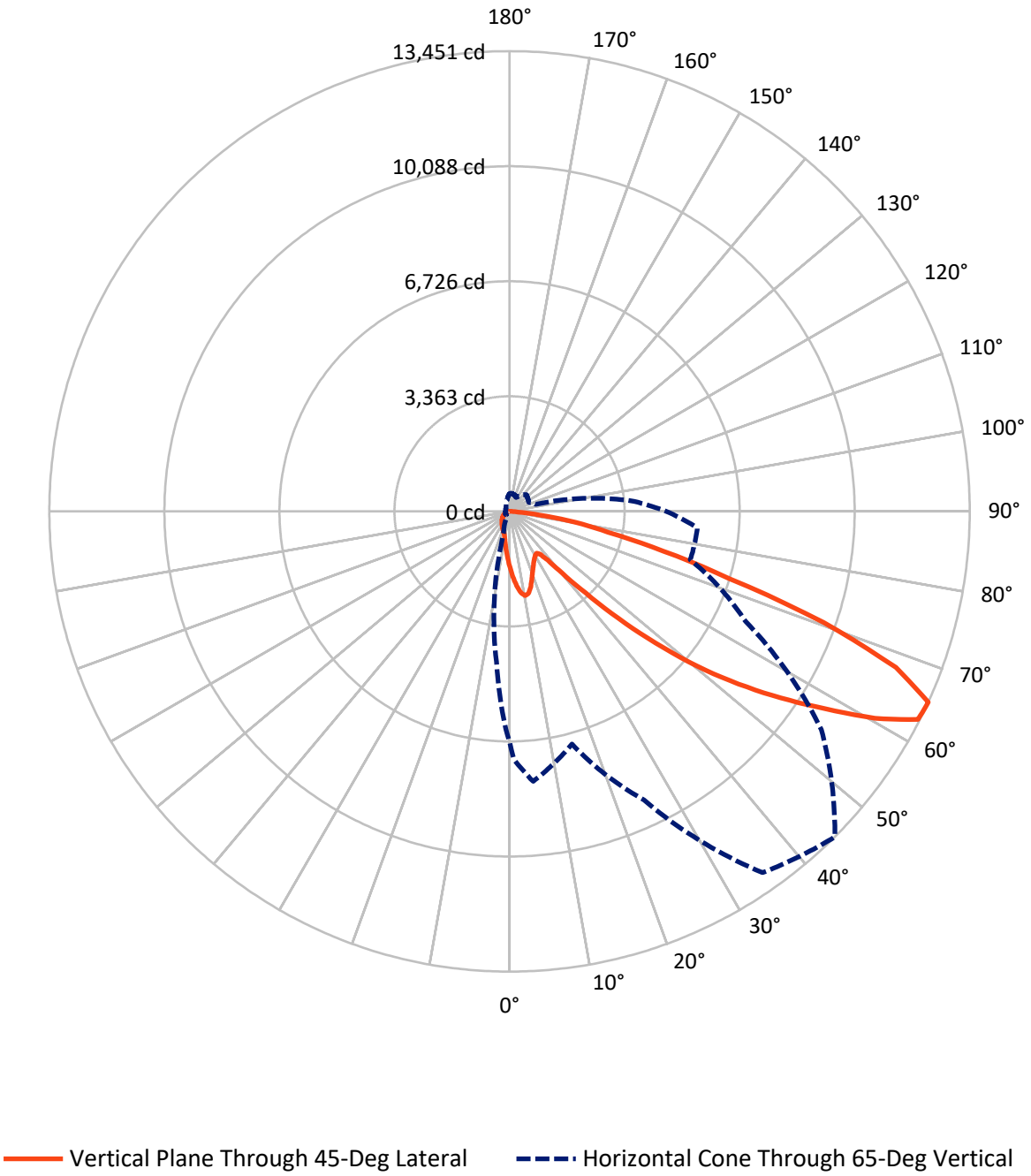
Based on 20 foot mounting height. Maximum calculated value = 6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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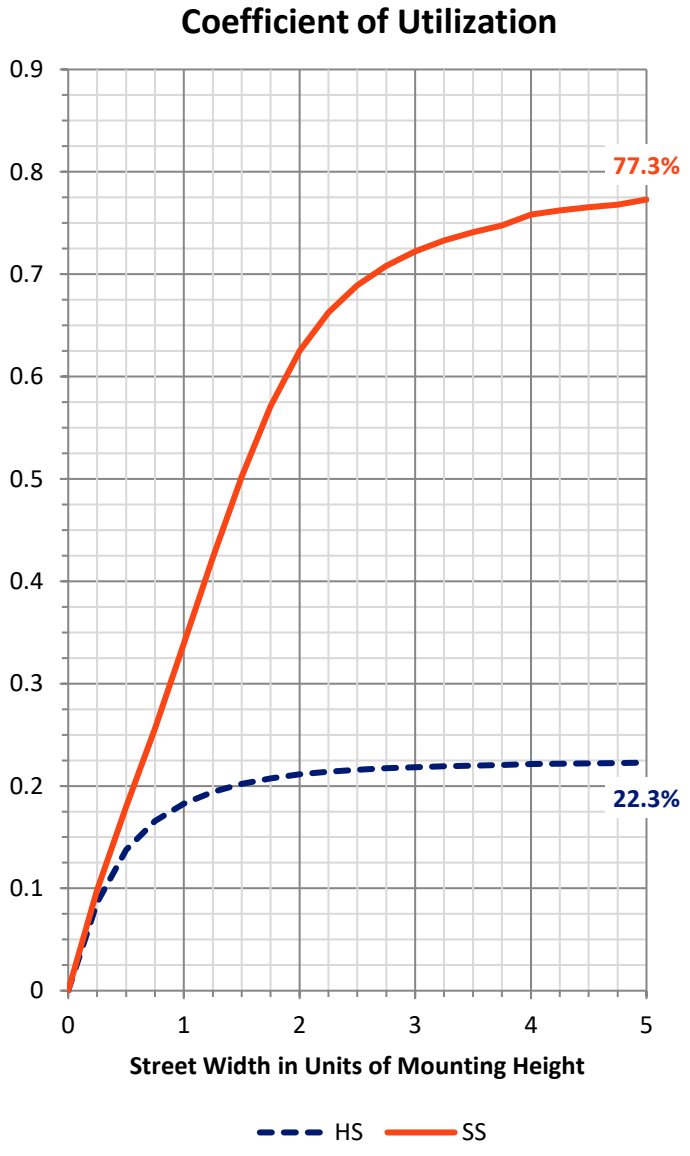
REPORT NUMBER: P1365375
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2130.6	0.0	2130.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	7341.0	0.0	7341.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	9471.6	0.0	9471.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.7
10°-20°	434.9	4.6
20°-30°	623.0	6.6
30°-40°	781.4	8.3
40°-50°	1283.6	13.6
50°-60°	2317.7	24.5
60°-70°	2573.0	27.2
70°-80°	1163.0	12.3
80°-90°	137.6	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°	9471.6	100.0
0°-180°	9471.6	100.0



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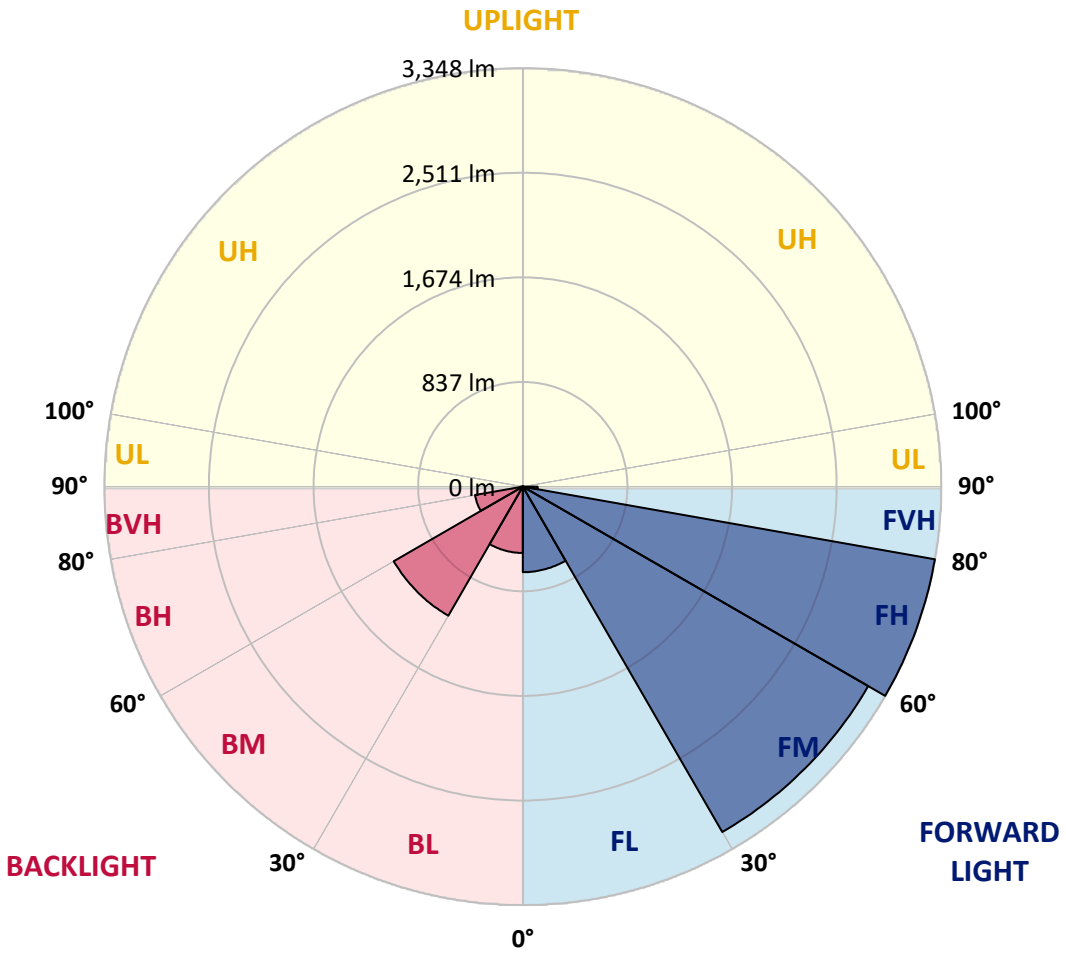
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	684.2	7.2			
FM	(30°-60°)	3190.6	33.7			
FH	(60°-80°)	3347.9	35.3			G2/5000
FVH	(80°-90°)	118.2	1.2			G2/225
BL	(0°-30°)	530.9	5.6	B2/1000		
BM	(30°-60°)	1192.1	12.6	B2/2500		
BH	(60°-80°)	388.1	4.1	B1/500		G1/500
BVH	(80°-90°)	19.5	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°	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1802.0	1825.2	1822.3	1854.3	1883.4	1903.7	1921.2	1915.3	1900.8	1871.8	1851.4
5°	1990.9	2008.4	2037.4	2098.5	2145.0	2185.6	2179.8	2185.6	2142.1	2098.5	2046.1
7.5°	2153.7	2174.0	2214.7	2301.9	2360.0	2409.4	2403.6	2386.2	2336.8	2264.1	2185.6
10°	2255.4	2269.9	2313.5	2412.4	2479.2	2519.9	2505.4	2476.3	2412.4	2339.7	2246.7
12.5°	2299.0	2316.4	2354.2	2432.7	2476.3	2467.6	2461.8	2455.9	2424.0	2368.8	2284.5
15°	2304.8	2316.4	2345.5	2380.4	2362.9	2313.5	2301.9	2345.5	2386.2	2374.6	2304.8
17.5°	2304.8	2322.3	2328.1	2293.2	2203.1	2113.0	2101.4	2174.0	2287.4	2377.5	2336.8
20°	2313.5	2322.3	2310.6	2197.3	2028.7	1929.9	1909.5	1999.6	2168.2	2345.5	2368.8
22.5°	2325.2	2333.9	2284.5	2083.9	1886.3	1781.7	1770.0	1836.9	2034.5	2299.0	2403.6
25°	2348.4	2342.6	2267.0	1985.1	1761.3	1662.5	1645.0	1732.2	1924.1	2252.5	2461.8
27.5°	2377.5	2351.3	2243.8	1903.7	1671.2	1566.6	1555.0	1639.2	1831.1	2194.4	2511.2
30°	2415.3	2389.1	2240.9	1839.8	1604.4	1499.7	1485.2	1578.2	1767.1	2153.7	2580.9
32.5°	2467.6	2429.8	2243.8	1790.4	1566.6	1467.8	1459.0	1557.9	1741.0	2130.4	2653.6
35°	2537.3	2482.1	2255.4	1772.9	1578.2	1511.4	1531.7	1607.3	1767.1	2147.9	2772.8
37.5°	2624.5	2572.2	2313.5	1810.7	1706.1	1752.6	1804.9	1834.0	1892.1	2229.2	2964.6
40°	2769.8	2697.2	2400.7	1932.8	2049.0	2267.0	2368.8	2357.1	2223.4	2415.3	3234.9
42.5°	2973.3	2906.4	2578.0	2243.8	2621.6	3083.7	3255.2	3156.4	2752.4	2711.7	3679.6
45°	3284.3	3173.8	2816.3	2705.9	3313.4	4071.9	4458.5	4118.4	3423.8	3179.7	4313.2
47.5°	3682.5	3572.0	3188.4	3168.0	4086.5	5292.6	5751.9	5083.4	4089.4	3792.9	5071.8
50°	4321.9	4199.8	3734.8	3638.9	4941.0	6510.4	7123.7	6045.4	4766.6	4444.0	6007.6
52.5°	5199.6	5118.3	4600.9	4124.3	5705.4	7853.2	8382.2	7051.0	5289.7	5188.0	7027.8
55°	6423.3	6344.8	5728.6	4664.9	6429.1	9198.9	9626.2	7966.6	5746.0	6059.9	8094.5
57.5°	7809.6	7940.4	7271.9	5385.6	7190.6	10283.0	10878.8	8797.8	6362.2	7225.4	9280.3
60°	8713.5	9126.2	9042.0	6644.1	8373.5	11631.6	12279.7	9911.0	7263.2	8082.8	9254.1
62.5°	7928.8	8341.5	8986.7	8103.2	9512.8	12852.3	13398.7	11082.3	8158.4	7399.8	7771.8
65°	6728.4	7242.9	7923.0	7039.4	9312.3	12890.1	13451.0	11125.9	7612.0	5469.9	5510.6
67.5°	5798.4	6254.7	7091.7	5990.2	8254.3	11739.1	12180.9	9925.5	6292.5	3627.2	3595.3
70°	4839.2	5257.8	6315.7	5333.3	7231.2	10117.3	9736.6	8344.4	5318.8	2409.4	1996.7
72.5°	4124.3	4510.8	5612.4	4792.7	5737.3	8199.1	6711.0	6923.2	4327.7	1531.7	1360.2
75°	3412.2	3766.8	4772.4	4339.3	4746.2	5115.3	4638.7	4917.7	3566.2	1299.2	1049.2
77.5°	2394.9	2615.8	3348.2	3452.9	3694.1	3028.5	2941.3	3444.1	2537.3	645.2	441.8
80°	1180.0	1316.6	1746.8	2054.9	1746.8	1717.7	1958.9	2293.2	1316.6	395.3	244.1
82.5°	529.0	627.8	805.1	1244.0	630.7	685.9	866.1	1220.7	598.7	235.4	104.6
85°	84.3	93.0	156.9	209.3	171.5	264.5	252.9	238.3	127.9	63.9	29.1
87.5°	2.9	2.9	2.9	5.8	8.7	11.6	14.5	14.5	14.5	14.5	14.5
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°	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1845.6	1836.9	1793.3	1749.7	1711.9	1674.1	1636.3	1584.0	1543.3	1508.4	1493.9
5°	2020.0	1973.5	1906.6	1834.0	1770.0	1697.4	1627.6	1549.1	1485.2	1418.3	1383.5
7.5°	2139.1	2092.6	1982.2	1871.8	1793.3	1714.8	1642.1	1555.0	1470.7	1374.8	1322.4
10°	2194.4	2142.1	2022.9	1895.0	1799.1	1720.6	1653.8	1581.1	1496.8	1377.7	1307.9
12.5°	2232.2	2168.2	2031.6	1900.8	1804.9	1723.5	1659.6	1607.3	1557.9	1441.6	1360.2
15°	2255.4	2197.3	2054.9	1903.7	1796.2	1700.3	1639.2	1621.8	1630.5	1575.3	1476.5
17.5°	2290.3	2235.1	2083.9	1921.2	1781.7	1650.9	1584.0	1621.8	1700.3	1717.7	1639.2
20°	2336.8	2278.7	2121.7	1935.7	1738.1	1557.9	1493.9	1589.8	1720.6	1810.7	1767.1
22.5°	2389.1	2342.6	2165.3	1950.2	1674.1	1435.8	1406.7	1523.0	1662.5	1778.7	1781.7
25°	2453.0	2409.4	2226.3	1964.8	1586.9	1331.2	1337.0	1435.8	1546.2	1665.4	1685.7
27.5°	2540.2	2499.5	2301.9	1982.2	1496.8	1246.9	1275.9	1348.6	1424.2	1496.8	1525.9
30°	2636.1	2604.2	2392.0	2017.1	1412.5	1197.5	1214.9	1264.3	1325.3	1368.9	1383.5
32.5°	2766.9	2714.6	2476.3	2014.2	1348.6	1174.2	1156.8	1171.3	1220.7	1264.3	1267.2
35°	2929.7	2889.0	2563.5	1961.9	1290.5	1162.6	1101.5	1092.8	1121.9	1165.5	1162.6
37.5°	3168.0	3133.2	2705.9	1880.5	1217.8	1133.5	1043.4	1014.4	1034.7	1063.8	1072.5
40°	3525.5	3435.4	2868.7	1790.4	1145.1	1081.2	973.7	933.0	947.5	979.5	985.3
42.5°	4010.9	3839.4	3086.6	1668.3	1075.4	1002.7	903.9	860.3	869.0	898.1	903.9
45°	4632.9	4374.2	3386.0	1540.4	1020.2	921.3	831.2	784.7	793.5	825.4	840.0
47.5°	5359.5	5004.9	3699.9	1403.8	988.2	857.4	758.6	723.7	744.1	776.0	781.8
50°	6216.9	5859.4	3900.5	1293.4	967.8	808.0	691.7	677.2	703.4	729.5	735.3
52.5°	7152.8	6644.1	3772.6	1203.3	950.4	790.6	645.2	651.0	671.4	697.5	706.3
55°	8062.5	6931.9	3348.2	1087.0	930.1	802.2	610.4	624.9	651.0	671.4	677.2
57.5°	8655.4	6690.6	2697.2	964.9	906.8	810.9	592.9	604.5	633.6	656.9	659.8
60°	8138.1	6161.7	2020.0	860.3	857.4	796.4	587.1	569.7	610.4	630.7	633.6
62.5°	6667.4	5039.8	1290.5	761.5	764.4	764.4	584.2	511.5	563.9	581.3	578.4
65°	*4580.6*	*3563.3*	*799.3*	*622.0*	*651.0*	*694.6*	*566.8*	*450.5*	*511.5*	*529.0*	*523.2*
67.5°	3011.1	2264.1	494.1	479.6	534.8	601.6	531.9	404.0	459.2	470.8	453.4
70°	1633.4	1066.7	325.5	313.9	418.5	473.8	450.5	363.3	409.8	421.4	404.0
72.5°	1078.3	613.3	229.6	229.6	328.4	331.3	369.1	325.5	363.3	374.9	357.5
75°	810.9	395.3	159.9	177.3	209.3	258.7	264.5	273.2	308.1	322.6	305.2
77.5°	372.0	145.3	95.9	130.8	145.3	197.6	168.6	203.5	229.6	235.4	220.9
80°	215.1	81.4	63.9	84.3	93.0	162.8	98.8	122.1	162.8	171.5	154.0
82.5°	90.1	40.7	43.6	52.3	55.2	90.1	69.8	78.5	107.5	104.6	93.0
85°	26.2	26.2	29.1	32.0	32.0	52.3	49.4	46.5	49.4	49.4	40.7
87.5°	17.4	17.4	17.4	20.3	20.3	23.3	26.2	29.1	29.1	29.1	26.2
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°	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1473.6	1447.4	1409.6	1403.8	1383.5	1368.9	1383.5	1398.0	1424.2	1427.1	1438.7
5°	1351.5	1290.5	1244.0	1191.6	1165.5	1162.6	1156.8	1174.2	1212.0	1235.2	1252.7
7.5°	1270.1	1159.7	1078.3	1005.6	979.5	959.1	976.6	973.7	1023.1	1043.4	1060.9
10°	1226.5	1072.5	950.4	860.3	825.4	805.1	802.2	808.0	837.1	857.4	877.7
12.5°	1255.6	1037.6	857.4	752.8	715.0	691.7	671.4	671.4	677.2	703.4	712.1
15°	1351.5	1057.9	813.8	700.5	651.0	613.3	587.1	566.8	569.7	572.6	581.3
17.5°	1491.0	1110.3	799.3	668.5	616.2	569.7	543.5	520.3	514.4	514.4	511.5
20°	1624.7	1151.0	787.6	642.3	575.5	534.8	511.5	491.2	482.5	482.5	482.5
22.5°	1679.9	1185.8	773.1	610.4	534.8	497.0	476.7	462.1	459.2	459.2	456.3
25°	1636.3	1174.2	755.7	578.4	497.0	467.9	450.5	436.0	433.1	436.0	433.1
27.5°	1499.7	1133.5	732.4	552.2	467.9	441.8	427.2	412.7	409.8	412.7	412.7
30°	1354.4	1063.8	694.6	531.9	444.7	415.6	401.1	386.6	386.6	389.5	392.4
32.5°	1238.1	994.0	651.0	505.7	418.5	392.4	377.8	363.3	363.3	369.1	369.1
35°	1139.3	938.8	607.4	479.6	395.3	366.2	354.6	343.0	340.1	345.9	348.8
37.5°	1060.9	889.4	560.9	453.4	372.0	345.9	334.2	319.7	316.8	322.6	328.4
40°	979.5	834.2	520.3	421.4	348.8	322.6	311.0	293.6	293.6	299.4	305.2
42.5°	901.0	784.7	494.1	392.4	325.5	296.5	284.8	270.3	270.3	276.1	281.9
45°	837.1	738.2	479.6	363.3	299.4	273.2	258.7	247.0	250.0	255.8	261.6
47.5°	776.0	688.8	482.5	348.8	281.9	247.0	232.5	223.8	229.6	238.3	244.1
50°	729.5	654.0	485.4	325.5	258.7	226.7	212.2	206.4	215.1	223.8	229.6
52.5°	700.5	619.1	467.9	296.5	241.2	206.4	197.6	197.6	206.4	212.2	218.0
55°	671.4	560.9	430.2	264.5	223.8	191.8	186.0	186.0	194.7	200.5	203.5
57.5°	648.1	499.9	386.6	238.3	203.5	177.3	177.3	177.3	180.2	183.1	188.9
60°	604.5	436.0	331.3	218.0	183.1	165.7	162.8	162.8	159.9	162.8	171.5
62.5°	529.0	366.2	281.9	194.7	165.7	151.1	148.2	139.5	130.8	133.7	139.5
65°	*447.6*	*290.6*	*235.4*	*168.6*	*142.4*	*133.7*	*130.8*	*116.3*	*104.6*	*107.5*	*116.3*
67.5°	357.5	218.0	197.6	145.3	122.1	113.4	113.4	104.6	95.9	95.9	101.7
70°	279.0	183.1	148.2	116.3	95.9	95.9	101.7	93.0	81.4	81.4	90.1
72.5°	226.7	148.2	119.2	90.1	75.6	81.4	84.3	75.6	66.8	66.8	72.7
75°	177.3	116.3	93.0	66.8	58.1	61.0	66.8	61.0	52.3	55.2	58.1
77.5°	122.1	78.5	61.0	49.4	43.6	46.5	46.5	43.6	40.7	40.7	43.6
80°	81.4	52.3	40.7	34.9	32.0	32.0	29.1	29.1	32.0	32.0	34.9
82.5°	58.1	37.8	32.0	26.2	20.3	20.3	23.3	23.3	26.2	26.2	29.1
85°	34.9	26.2	23.3	17.4	14.5	17.4	17.4	20.3	23.3	23.3	26.2
87.5°	26.2	20.3	17.4	14.5	11.6	11.6	14.5	14.5	17.4	20.3	20.3
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: P1365375
CATALOG NUMBER: GSS-SB3A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1467.8	1502.6	1552.0	1595.6	1648.0	1700.3	1749.7	1796.2	1799.1	1802.0
5°	1307.9	1377.7	1459.0	1557.9	1662.5	1764.2	1871.8	1958.9	1979.3	1990.9
7.5°	1130.6	1232.3	1357.3	1496.8	1653.8	1810.7	1961.9	2092.6	2142.1	2153.7
10°	944.6	1069.6	1220.7	1400.9	1613.1	1822.3	2025.8	2185.6	2243.8	2255.4
12.5°	778.9	880.7	1055.0	1273.0	1528.8	1804.9	2049.0	2226.3	2284.5	2299.0
15°	636.5	732.4	895.2	1124.8	1412.5	1743.9	2031.6	2235.1	2293.2	2304.8
17.5°	526.1	587.1	735.3	985.3	1307.9	1665.4	2008.4	2240.9	2296.1	2304.8
20°	482.5	494.1	572.6	816.7	1197.5	1607.3	1993.8	2249.6	2304.8	2313.5
22.5°	462.1	462.1	479.6	622.0	1043.4	1546.2	1988.0	2275.7	2316.4	2325.2
25°	441.8	441.8	447.6	488.3	860.3	1470.7	1999.6	2322.3	2348.4	2348.4
27.5°	421.4	421.4	427.2	436.0	639.4	1345.7	2002.5	2374.6	2386.2	2377.5
30°	401.1	406.9	406.9	412.7	470.8	1188.7	1985.1	2432.7	2432.7	2415.3
32.5°	380.7	383.7	389.5	392.4	409.8	985.3	1956.0	2505.4	2490.8	2467.6
35°	363.3	366.2	366.2	372.0	389.5	787.6	1924.1	2604.2	2563.5	2537.3
37.5°	340.1	343.0	345.9	351.7	369.1	624.9	1877.6	2688.5	2659.4	2624.5
40°	319.7	322.6	325.5	331.3	348.8	537.7	1819.4	2816.3	2810.5	2769.8
42.5°	296.5	302.3	305.2	308.1	331.3	491.2	1778.7	3022.7	3022.7	2973.3
45°	276.1	281.9	281.9	287.7	319.7	450.5	1868.8	3307.5	3330.8	3284.3
47.5°	258.7	261.6	261.6	264.5	302.3	415.6	2110.1	3743.5	3714.4	3682.5
50°	241.2	247.0	241.2	244.1	287.7	436.0	2508.3	4301.5	4377.1	4321.9
52.5°	229.6	232.5	220.9	220.9	267.4	462.1	2833.8	5013.6	5266.5	5199.6
55°	215.1	218.0	203.5	203.5	235.4	401.1	2854.1	5824.5	6379.7	6423.3
57.5°	200.5	200.5	188.9	186.0	203.5	325.5	2531.5	6452.3	7710.8	7809.6
60°	183.1	180.2	174.4	168.6	186.0	299.4	1929.9	6368.0	8370.6	8713.5
62.5°	156.9	162.8	159.9	148.2	168.6	279.0	1258.5	5510.6	7626.5	7928.8
65°	*130.8*	*139.5*	*139.5*	*130.8*	*186.0*	*244.1*	*662.7*	*4412.0*	*6365.1*	*6728.4*
67.5°	116.3	122.1	119.2	113.4	165.7	154.0	319.7	3383.1	5449.6	5798.4
70°	101.7	107.5	98.8	93.0	133.7	110.4	188.9	2264.1	4499.2	4839.2
72.5°	84.3	90.1	81.4	72.7	98.8	84.3	125.0	1473.6	3746.4	4124.3
75°	69.8	72.7	66.8	58.1	72.7	66.8	87.2	962.0	3133.2	3412.2
77.5°	49.4	55.2	52.3	43.6	52.3	46.5	61.0	549.3	2185.6	2394.9
80°	37.8	37.8	37.8	34.9	32.0	32.0	40.7	247.0	1060.9	1180.0
82.5°	32.0	32.0	29.1	26.2	23.3	20.3	23.3	72.7	499.9	529.0
85°	29.1	23.3	20.3	17.4	14.5	8.7	8.7	20.3	101.7	84.3
87.5°	17.4	14.5	11.6	5.8	2.9	2.9	0.0	2.9	2.9	2.9
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

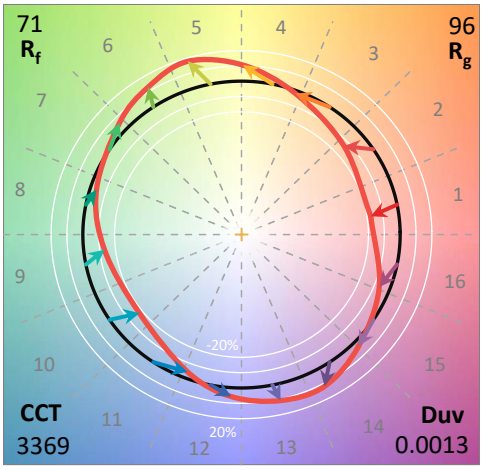
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

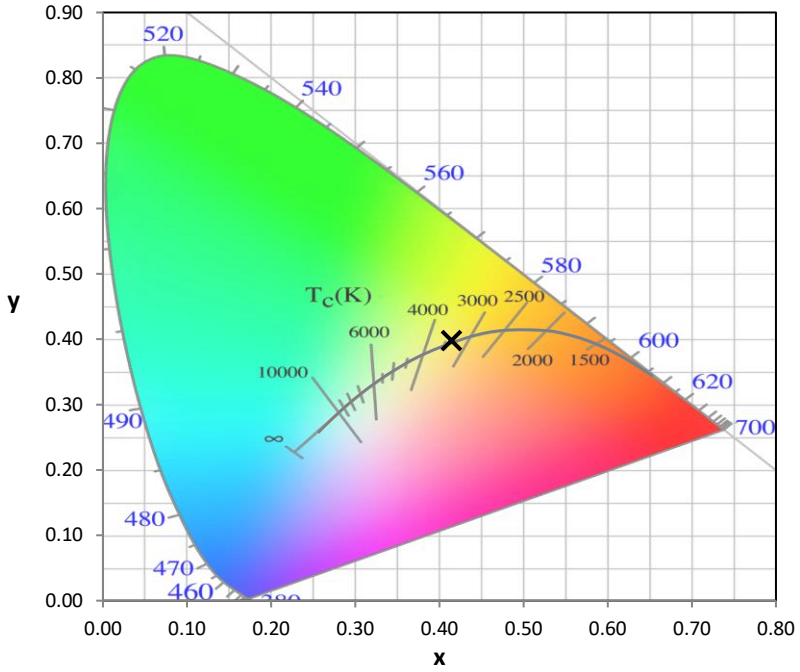
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

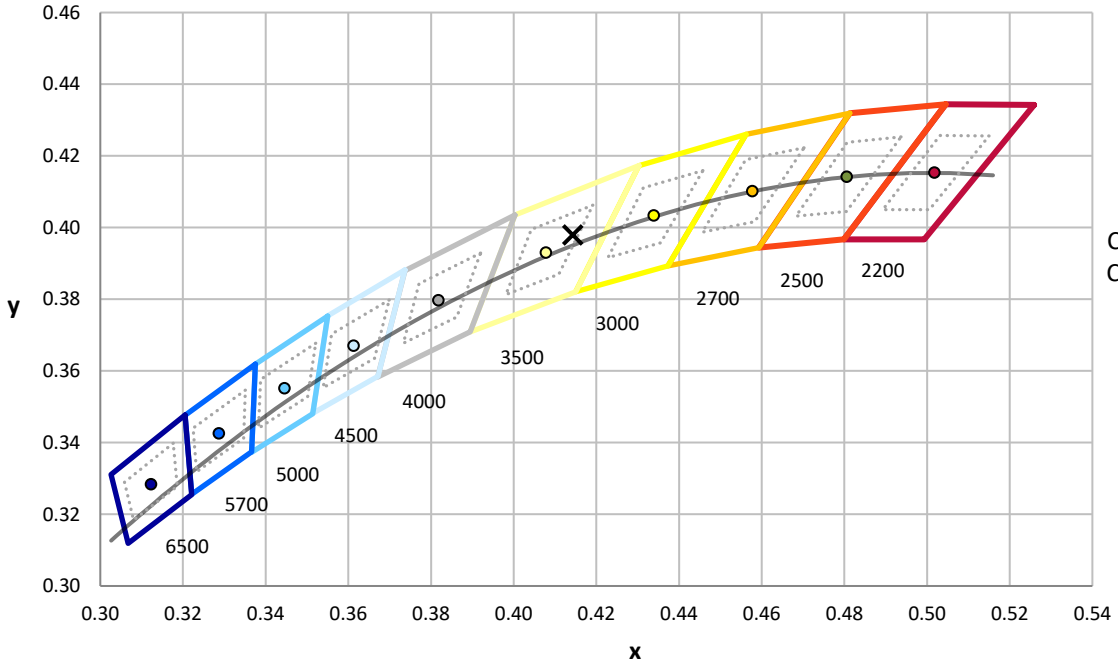
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

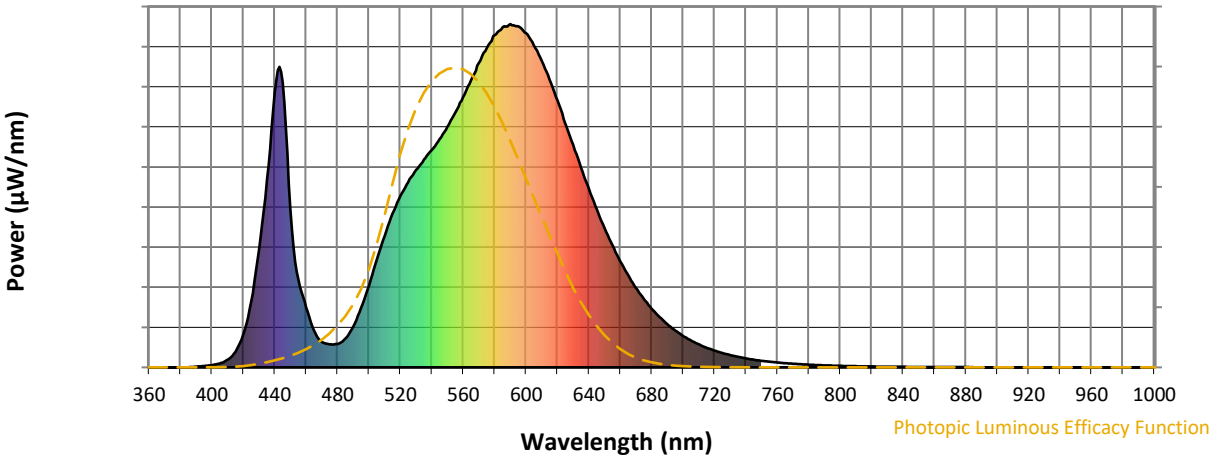


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

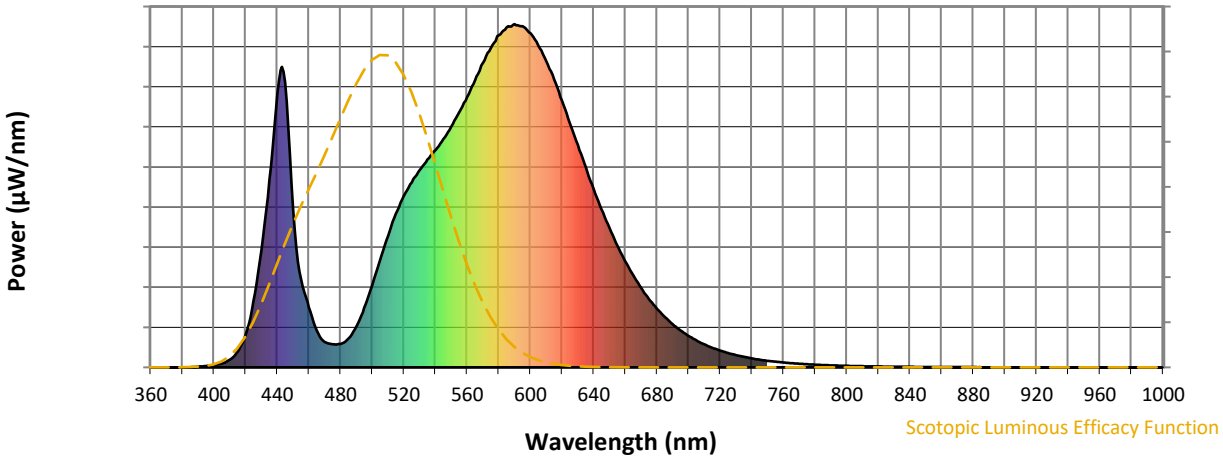


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

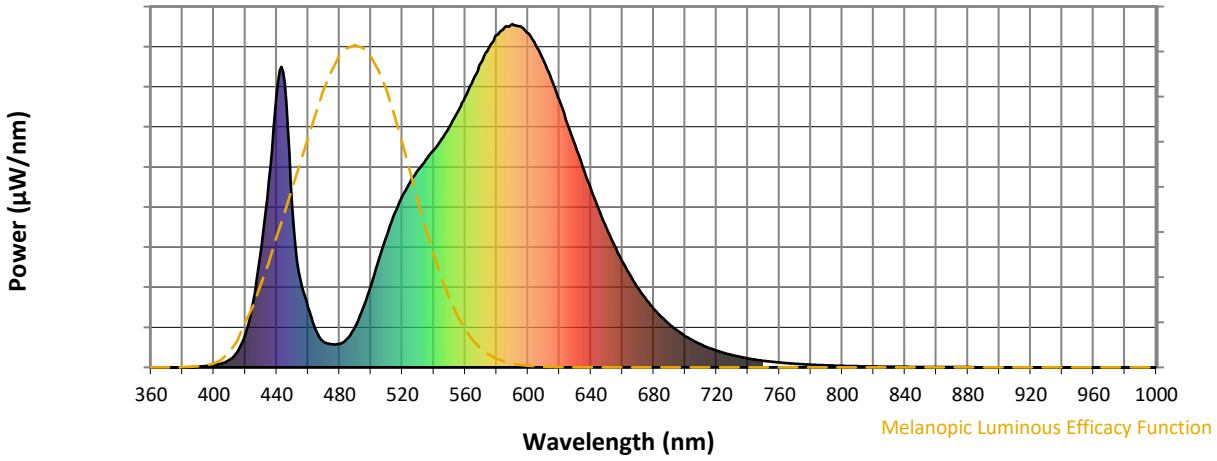


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

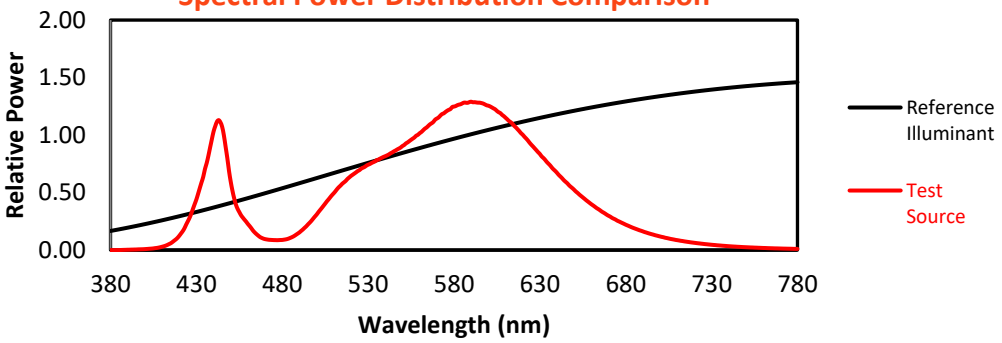
REPORT NUMBER: SP1-2407-184-5

TM-30-18

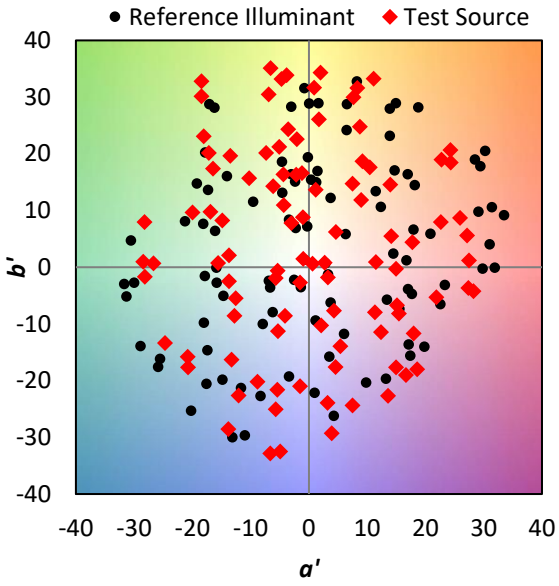
Summary

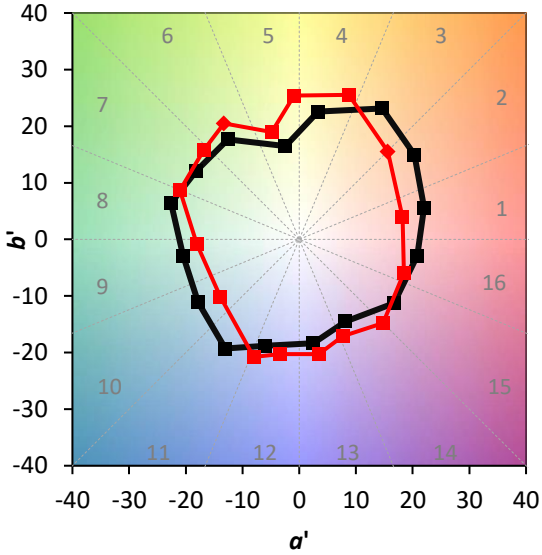
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

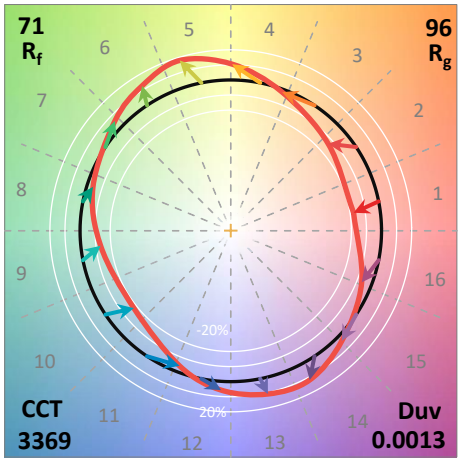
Spectral Power Distribution Comparison

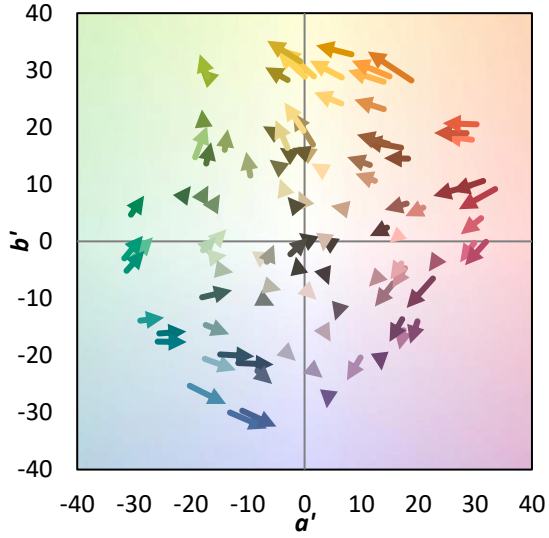


Color Vector Graphics







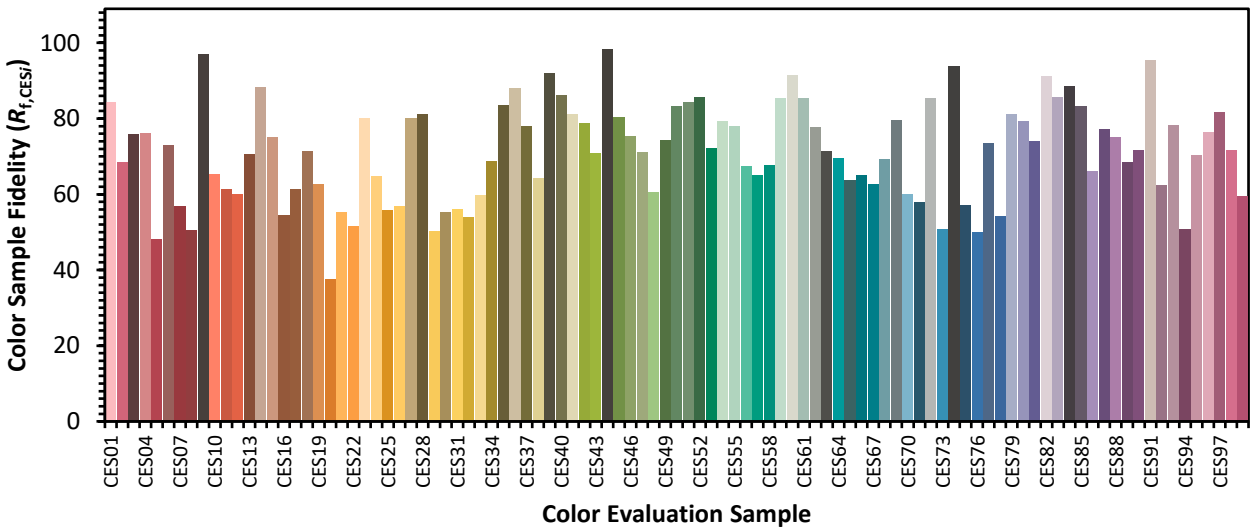


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

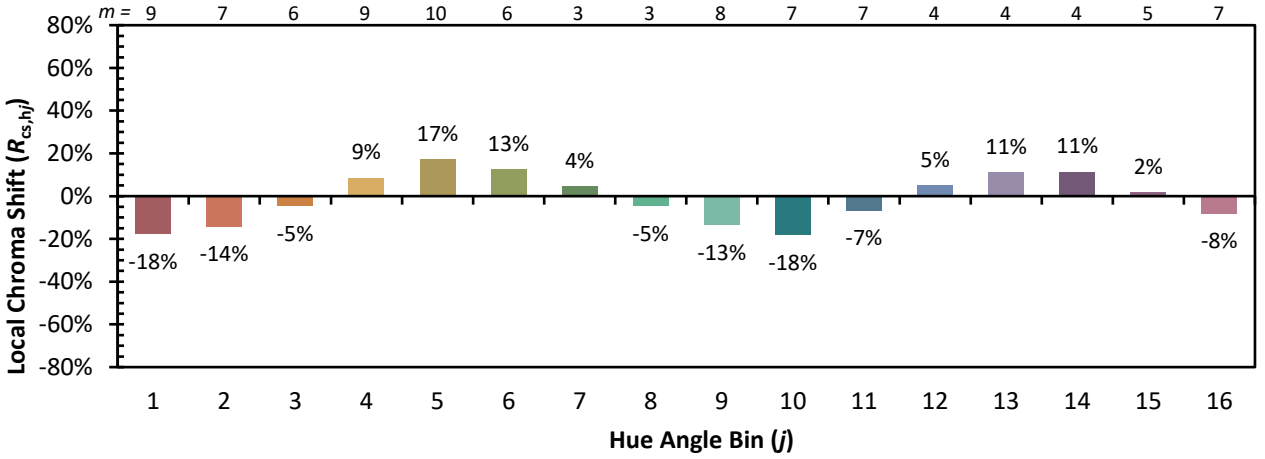
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

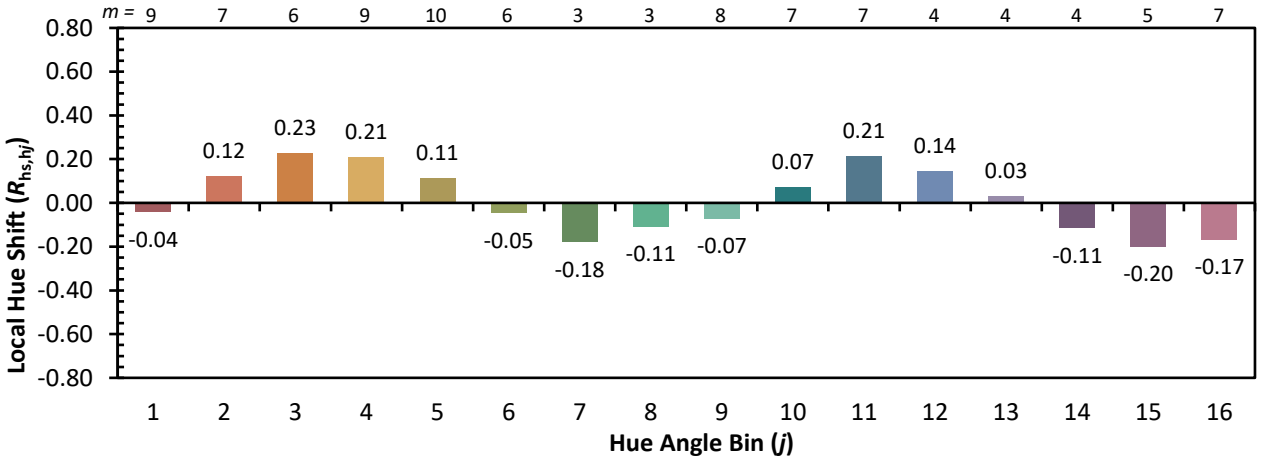


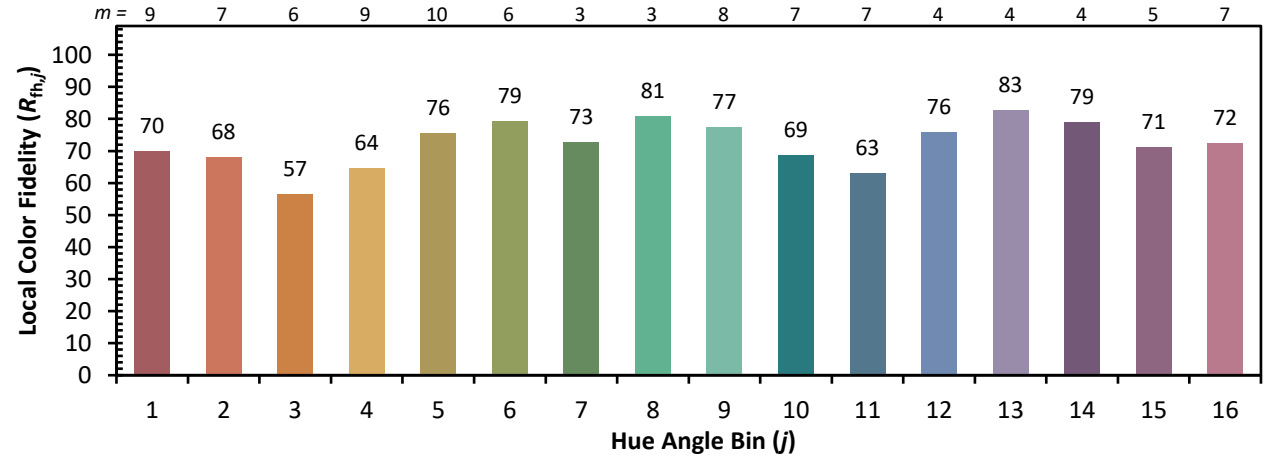
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Color Rendition by Hue-Angle Bin



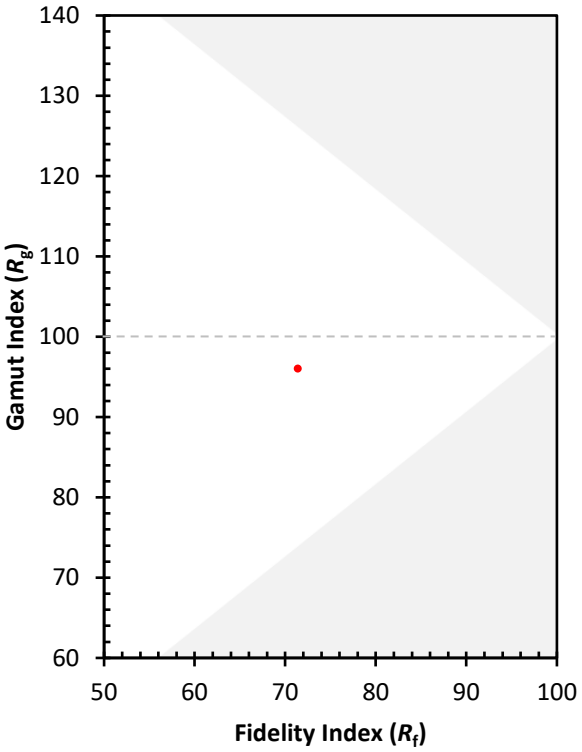


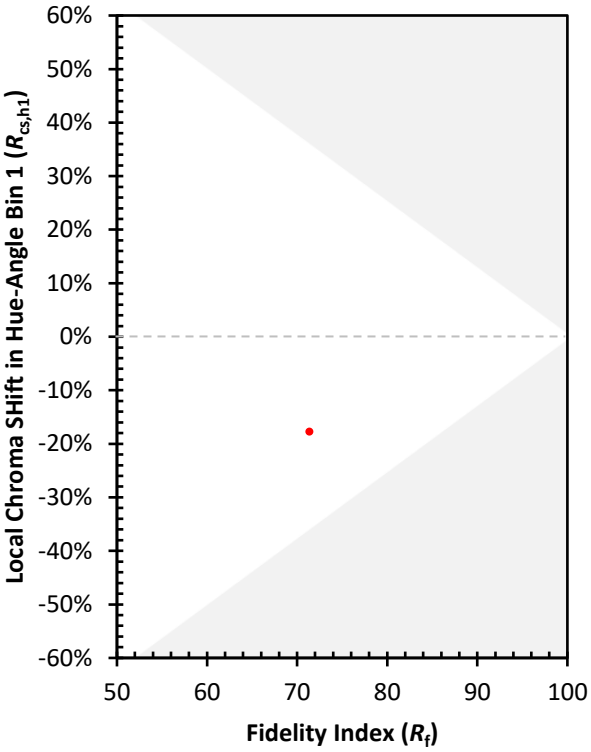


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Measure Comparisons





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