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: P1365279

Luminaire Tested: **GSS-SB3A-740-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365279
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10022.8 lumens
Efficiency:	N/A
Efficacy:	117.9 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

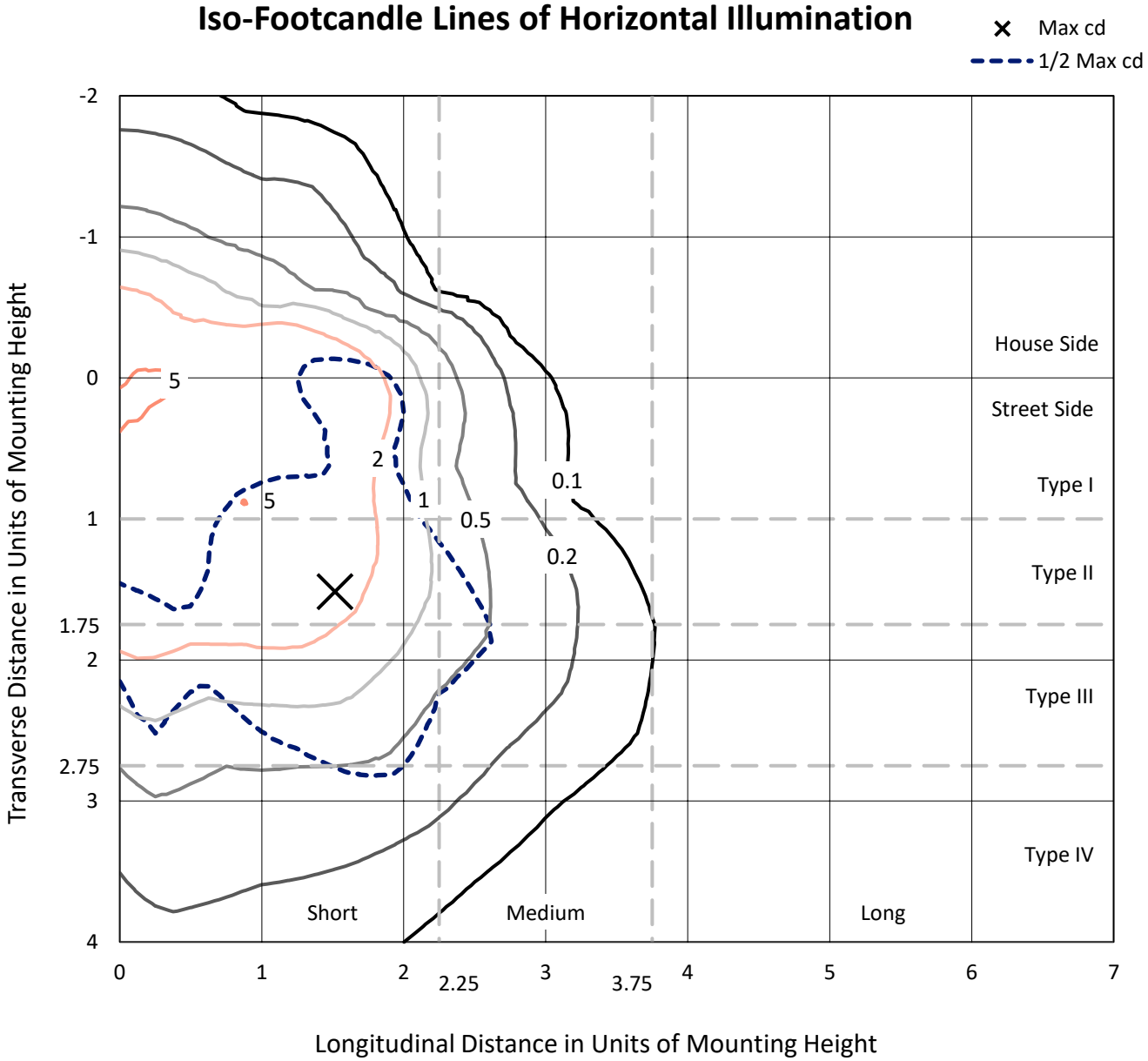
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



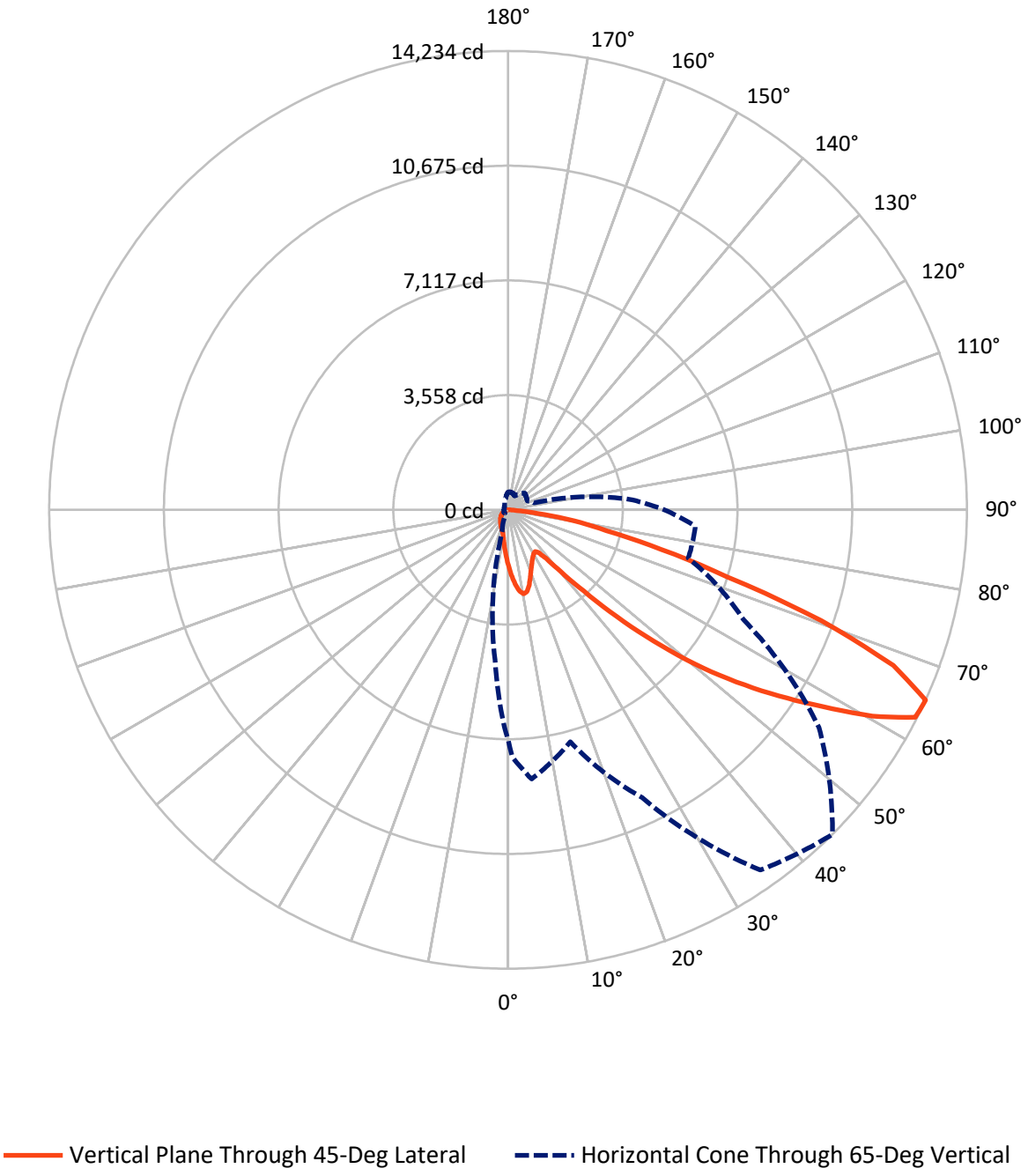
Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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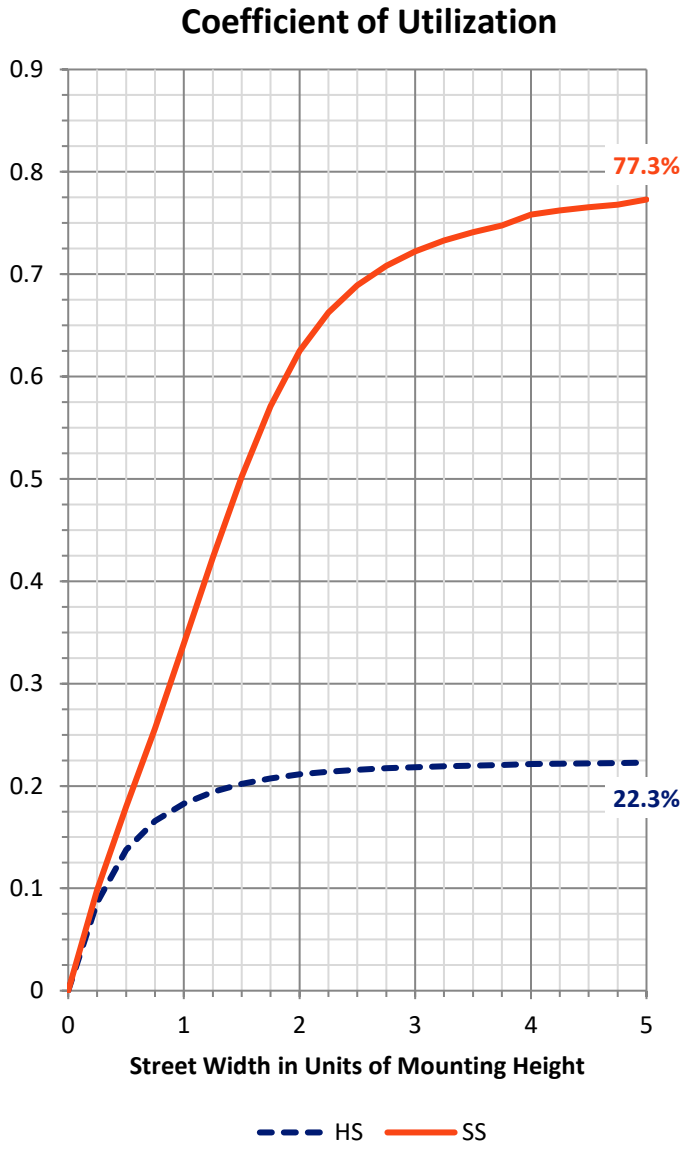
REPORT NUMBER: P1365279
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2254.6	0.0	2254.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	7768.2	0.0	7768.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	10022.8	0.0	10022.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.4	1.7
10°-20°	460.3	4.6
20°-30°	659.2	6.6
30°-40°	826.9	8.3
40°-50°	1358.4	13.6
50°-60°	2452.5	24.5
60°-70°	2722.7	27.2
70°-80°	1230.7	12.3
80°-90°	145.7	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°	10022.8	100.0
0°-180°	10022.8	100.0



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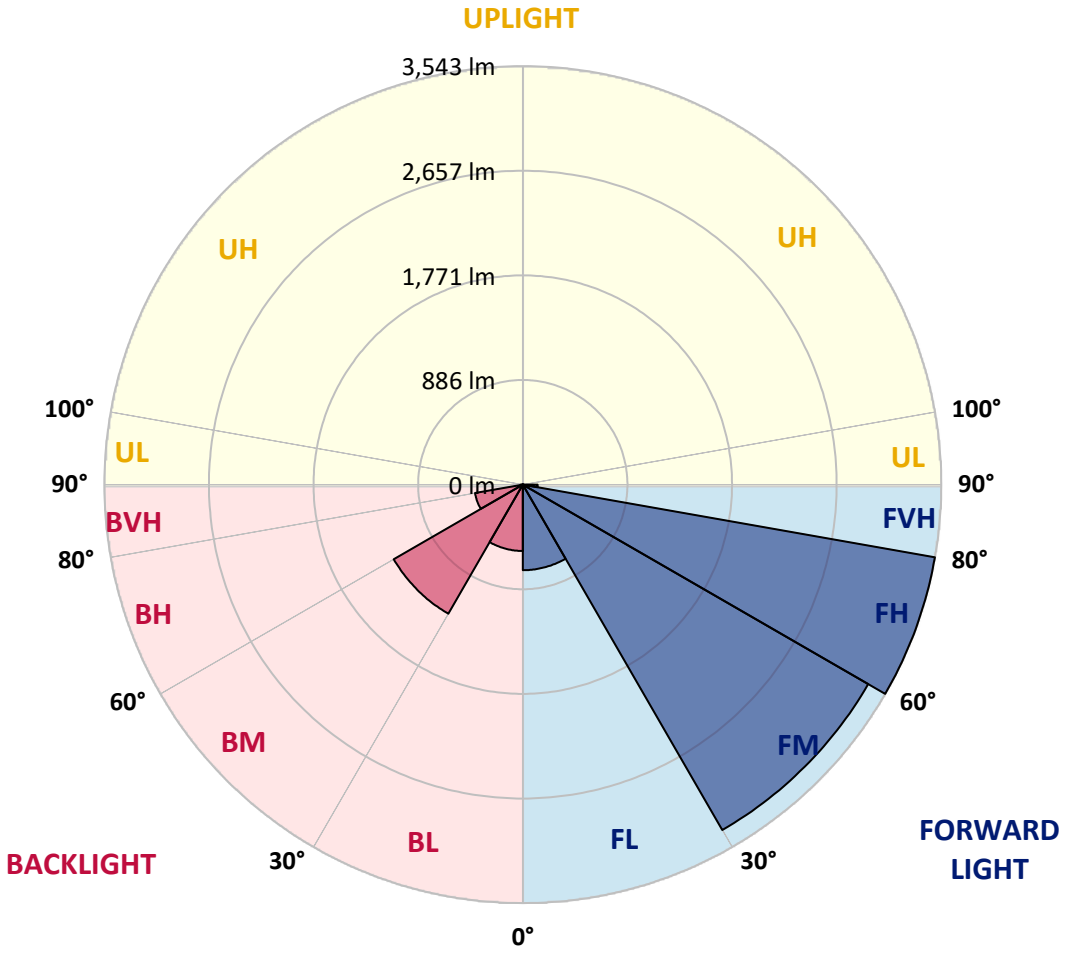
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	724.1	7.2			
FM	(30°-60°)	3376.3	33.7			
FH	(60°-80°)	3542.8	35.3			G2/5000
FVH	(80°-90°)	125.1	1.2			G2/225
BL	(0°-30°)	561.8	5.6	B2/1000		
BM	(30°-60°)	1261.5	12.6	B2/2500		
BH	(60°-80°)	410.7	4.1	B1/500		G1/500
BVH	(80°-90°)	20.6	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°	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6
2.5°	1906.9	1931.5	1928.4	1962.2	1993.0	2014.5	2033.0	2026.8	2011.4	1980.7	1959.2
5°	2106.8	2125.2	2156.0	2220.6	2269.8	2312.9	2306.7	2312.9	2266.7	2220.6	2165.2
7.5°	2279.0	2300.6	2343.6	2435.9	2497.4	2549.7	2543.5	2525.1	2472.8	2395.9	2312.9
10°	2386.7	2402.0	2448.2	2552.8	2623.5	2666.6	2651.2	2620.4	2552.8	2475.9	2377.4
12.5°	2432.8	2451.3	2491.2	2574.3	2620.4	2611.2	2605.0	2598.9	2565.1	2506.6	2417.4
15°	2439.0	2451.3	2482.0	2518.9	2500.5	2448.2	2435.9	2482.0	2525.1	2512.8	2439.0
17.5°	2439.0	2457.4	2463.6	2426.7	2331.3	2236.0	2223.7	2300.6	2420.5	2515.8	2472.8
20°	2448.2	2457.4	2445.1	2325.2	2146.8	2042.2	2020.7	2116.0	2294.4	2482.0	2506.6
22.5°	2460.5	2469.7	2417.4	2205.2	1996.1	1885.3	1873.0	1943.8	2152.9	2432.8	2543.5
25°	2485.1	2478.9	2399.0	2100.6	1863.8	1759.2	1740.8	1833.1	2036.1	2383.6	2605.0
27.5°	2515.8	2488.2	2374.4	2014.5	1768.5	1657.8	1645.4	1734.6	1937.6	2322.1	2657.3
30°	2555.8	2528.1	2371.3	1946.9	1697.7	1587.0	1571.6	1670.1	1870.0	2279.0	2731.1
32.5°	2611.2	2571.2	2374.4	1894.6	1657.8	1553.2	1544.0	1648.5	1842.3	2254.4	2808.0
35°	2685.0	2626.6	2386.7	1876.1	1670.1	1599.3	1620.8	1700.8	1870.0	2272.9	2934.1
37.5°	2777.3	2721.9	2448.2	1916.1	1805.4	1854.6	1910.0	1940.7	2002.2	2359.0	3137.1
40°	2931.1	2854.2	2540.5	2045.3	2168.3	2399.0	2506.6	2494.3	2352.8	2555.8	3423.2
42.5°	3146.3	3075.6	2728.1	2374.4	2774.2	3263.2	3444.7	3340.1	2912.6	2869.5	3893.7
45°	3475.4	3358.6	2980.3	2863.4	3506.2	4308.9	4718.0	4358.1	3623.1	3364.7	4564.2
47.5°	3896.8	3779.9	3373.9	3352.4	4324.3	5600.7	6086.6	5379.2	4327.4	4013.7	5366.9
50°	4573.4	4444.3	3952.2	3850.7	5228.5	6889.4	7538.3	6397.3	5044.0	4702.6	6357.3
52.5°	5502.3	5416.1	4868.7	4364.3	6037.4	8310.3	8870.1	7461.4	5597.6	5490.0	7436.8
55°	6797.1	6714.1	6062.0	4936.3	6803.2	9734.3	10186.4	8430.2	6080.5	6412.6	8565.6
57.5°	8264.2	8402.6	7695.2	5699.1	7609.1	10881.5	11512.0	9309.9	6732.5	7646.0	9820.4
60°	9220.7	9657.4	9568.2	7030.8	8860.8	12308.6	12994.4	10487.8	7685.9	8553.3	9792.7
62.5°	8390.3	8827.0	9509.8	8574.8	10066.5	13600.3	14178.5	11727.3	8633.2	7830.5	8224.2
65°	7120.0	7664.4	8384.1	7449.1	9854.2	13640.3	14233.9	11773.4	8055.0	5788.3	5831.4
67.5°	6135.8	6618.7	7504.5	6338.8	8734.7	12422.4	12889.9	10503.2	6658.7	3838.4	3804.5
70°	5120.9	5563.8	6683.3	5643.7	7652.1	10706.2	10303.3	8830.1	5628.4	2549.7	2112.9
72.5°	4364.3	4773.3	5939.0	5071.7	6071.2	8676.3	7101.6	7326.1	4579.6	1620.8	1439.4
75°	3610.8	3986.0	5050.1	4591.9	5022.5	5413.1	4908.7	5203.9	3773.8	1374.8	1110.3
77.5°	2534.3	2768.0	3543.1	3653.8	3909.1	3204.8	3112.5	3644.6	2685.0	682.8	467.5
80°	1248.7	1393.2	1848.4	2174.5	1848.4	1817.7	2073.0	2426.7	1393.2	418.3	258.4
82.5°	559.8	664.3	851.9	1316.4	667.4	725.8	916.5	1291.8	633.6	249.1	110.7
85°	89.2	98.4	166.1	221.4	181.5	279.9	267.6	252.2	135.3	67.7	30.8
87.5°	3.1	3.1	3.1	6.2	9.2	12.3	15.4	15.4	15.4	15.4	15.4
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°	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6
2.5°	1953.0	1943.8	1897.6	1851.5	1811.5	1771.5	1731.6	1676.2	1633.1	1596.2	1580.9
5°	2137.5	2088.3	2017.6	1940.7	1873.0	1796.2	1722.3	1639.3	1571.6	1500.9	1464.0
7.5°	2263.6	2214.4	2097.6	1980.7	1897.6	1814.6	1737.7	1645.4	1556.3	1454.8	1399.4
10°	2322.1	2266.7	2140.6	2005.3	1903.8	1820.8	1750.0	1673.1	1583.9	1457.8	1384.0
12.5°	2362.1	2294.4	2149.8	2011.4	1910.0	1823.8	1756.2	1700.8	1648.5	1525.5	1439.4
15°	2386.7	2325.2	2174.5	2014.5	1900.7	1799.2	1734.6	1716.2	1725.4	1667.0	1562.4
17.5°	2423.6	2365.1	2205.2	2033.0	1885.3	1746.9	1676.2	1716.2	1799.2	1817.7	1734.6
20°	2472.8	2411.3	2245.2	2048.4	1839.2	1648.5	1580.9	1682.4	1820.8	1916.1	1870.0
22.5°	2528.1	2478.9	2291.3	2063.7	1771.5	1519.3	1488.6	1611.6	1759.2	1882.3	1885.3
25°	2595.8	2549.7	2355.9	2079.1	1679.3	1408.6	1414.8	1519.3	1636.2	1762.3	1783.9
27.5°	2688.1	2645.0	2435.9	2097.6	1583.9	1319.4	1350.2	1427.1	1507.0	1583.9	1614.7
30°	2789.6	2755.7	2531.2	2134.5	1494.7	1267.2	1285.6	1337.9	1402.5	1448.6	1464.0
32.5°	2928.0	2872.6	2620.4	2131.4	1427.1	1242.5	1224.1	1239.5	1291.8	1337.9	1341.0
35°	3100.2	3057.2	2712.7	2076.0	1365.6	1230.2	1165.7	1156.4	1187.2	1233.3	1230.2
37.5°	3352.4	3315.5	2863.4	1989.9	1288.7	1199.5	1104.1	1073.4	1094.9	1125.7	1134.9
40°	3730.7	3635.4	3035.6	1894.6	1211.8	1144.1	1030.3	987.3	1002.6	1036.5	1042.6
42.5°	4244.3	4062.9	3266.3	1765.4	1138.0	1061.1	956.5	910.4	919.6	950.4	956.5
45°	4902.5	4628.8	3583.1	1630.1	1079.5	975.0	879.6	830.4	839.6	873.5	888.9
47.5°	5671.4	5296.2	3915.2	1485.5	1045.7	907.3	802.7	765.8	787.4	821.2	827.3
50°	6578.7	6200.4	4127.5	1368.6	1024.2	855.0	732.0	716.6	744.3	772.0	778.1
52.5°	7569.1	7030.8	3992.1	1273.3	1005.7	836.6	682.8	688.9	710.5	738.1	747.4
55°	8531.7	7335.3	3543.1	1150.3	984.2	848.9	645.9	661.3	688.9	710.5	716.6
57.5°	9159.2	7080.0	2854.2	1021.1	959.6	858.1	627.4	639.7	670.5	695.1	698.2
60°	8611.7	6520.3	2137.5	910.4	907.3	842.7	621.3	602.8	645.9	667.4	670.5
62.5°	7055.4	5333.1	1365.6	805.8	808.9	808.9	618.2	541.3	596.7	615.1	612.0
65°	*4847.2*	*3770.7*	*845.8*	*658.2*	*688.9*	*735.1*	*599.7*	*476.7*	*541.3*	*559.8*	*553.6*
67.5°	3186.3	2395.9	522.9	507.5	565.9	636.7	562.8	427.5	485.9	498.2	479.8
70°	1728.5	1128.7	344.5	332.2	442.9	501.3	476.7	384.5	433.7	446.0	427.5
72.5°	1141.1	649.0	243.0	243.0	347.5	350.6	390.6	344.5	384.5	396.8	378.3
75°	858.1	418.3	169.2	187.6	221.4	273.7	279.9	289.1	326.0	341.4	322.9
77.5°	393.7	153.8	101.5	138.4	153.8	209.1	178.4	215.3	243.0	249.1	233.7
80°	227.6	86.1	67.7	89.2	98.4	172.2	104.6	129.2	172.2	181.5	163.0
82.5°	95.3	43.1	46.1	55.4	58.4	95.3	73.8	83.0	113.8	110.7	98.4
85°	27.7	27.7	30.8	33.8	33.8	55.4	52.3	49.2	52.3	52.3	43.1
87.5°	18.5	18.5	18.5	21.5	21.5	24.6	27.7	30.8	30.8	30.8	27.7
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°	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6
2.5°	1559.3	1531.7	1491.7	1485.5	1464.0	1448.6	1464.0	1479.4	1507.0	1510.1	1522.4
5°	1430.2	1365.6	1316.4	1261.0	1233.3	1230.2	1224.1	1242.5	1282.5	1307.1	1325.6
7.5°	1344.0	1227.2	1141.1	1064.2	1036.5	1015.0	1033.4	1030.3	1082.6	1104.1	1122.6
10°	1297.9	1134.9	1005.7	910.4	873.5	851.9	848.9	855.0	885.8	907.3	928.8
12.5°	1328.7	1098.0	907.3	796.6	756.6	732.0	710.5	710.5	716.6	744.3	753.5
15°	1430.2	1119.5	861.2	741.2	688.9	649.0	621.3	599.7	602.8	605.9	615.1
17.5°	1577.8	1174.9	845.8	707.4	652.0	602.8	575.1	550.5	544.4	544.4	541.3
20°	1719.3	1217.9	833.5	679.7	609.0	565.9	541.3	519.8	510.6	510.6	510.6
22.5°	1777.7	1254.8	818.1	645.9	565.9	525.9	504.4	489.0	485.9	485.9	482.9
25°	1731.6	1242.5	799.7	612.0	525.9	495.2	476.7	461.3	458.3	461.3	458.3
27.5°	1587.0	1199.5	775.1	584.4	495.2	467.5	452.1	436.7	433.7	436.7	436.7
30°	1433.2	1125.7	735.1	562.8	470.6	439.8	424.4	409.1	409.1	412.1	415.2
32.5°	1310.2	1051.9	688.9	535.2	442.9	415.2	399.8	384.5	384.5	390.6	390.6
35°	1205.6	993.4	642.8	507.5	418.3	387.5	375.2	362.9	359.8	366.0	369.1
37.5°	1122.6	941.1	593.6	479.8	393.7	366.0	353.7	338.3	335.2	341.4	347.5
40°	1036.5	882.7	550.5	446.0	369.1	341.4	329.1	310.6	310.6	316.8	322.9
42.5°	953.4	830.4	522.9	415.2	344.5	313.7	301.4	286.0	286.0	292.2	298.3
45°	885.8	781.2	507.5	384.5	316.8	289.1	273.7	261.4	264.5	270.7	276.8
47.5°	821.2	728.9	510.6	369.1	298.3	261.4	246.0	236.8	243.0	252.2	258.4
50°	772.0	692.0	513.6	344.5	273.7	239.9	224.5	218.4	227.6	236.8	243.0
52.5°	741.2	655.1	495.2	313.7	255.3	218.4	209.1	209.1	218.4	224.5	230.7
55°	710.5	593.6	455.2	279.9	236.8	203.0	196.8	196.8	206.1	212.2	215.3
57.5°	685.9	529.0	409.1	252.2	215.3	187.6	187.6	187.6	190.7	193.8	199.9
60°	639.7	461.3	350.6	230.7	193.8	175.3	172.2	172.2	169.2	172.2	181.5
62.5°	559.8	387.5	298.3	206.1	175.3	159.9	156.9	147.6	138.4	141.5	147.6
65°	*473.6*	*307.6*	*249.1*	*178.4*	*150.7*	*141.5*	*138.4*	*123.0*	*110.7*	*113.8*	*123.0*
67.5°	378.3	230.7	209.1	153.8	129.2	119.9	119.9	110.7	101.5	101.5	107.6
70°	295.3	193.8	156.9	123.0	101.5	101.5	107.6	98.4	86.1	86.1	95.3
72.5°	239.9	156.9	126.1	95.3	80.0	86.1	89.2	80.0	70.7	70.7	76.9
75°	187.6	123.0	98.4	70.7	61.5	64.6	70.7	64.6	55.4	58.4	61.5
77.5°	129.2	83.0	64.6	52.3	46.1	49.2	49.2	46.1	43.1	43.1	46.1
80°	86.1	55.4	43.1	36.9	33.8	33.8	30.8	30.8	33.8	33.8	36.9
82.5°	61.5	40.0	33.8	27.7	21.5	21.5	24.6	24.6	27.7	27.7	30.8
85°	36.9	27.7	24.6	18.5	15.4	18.5	18.5	21.5	24.6	24.6	27.7
87.5°	27.7	21.5	18.5	15.4	12.3	12.3	15.4	15.4	18.5	21.5	21.5
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: P1365279
CATALOG NUMBER: GSS-SB3A-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6	1731.6
2.5°	1553.2	1590.1	1642.4	1688.5	1743.9	1799.2	1851.5	1900.7	1903.8	1906.9
5°	1384.0	1457.8	1544.0	1648.5	1759.2	1866.9	1980.7	2073.0	2094.5	2106.8
7.5°	1196.4	1304.1	1436.3	1583.9	1750.0	1916.1	2076.0	2214.4	2266.7	2279.0
10°	999.6	1131.8	1291.8	1482.4	1707.0	1928.4	2143.7	2312.9	2374.4	2386.7
12.5°	824.3	931.9	1116.4	1347.1	1617.8	1910.0	2168.3	2355.9	2417.4	2432.8
15°	673.6	775.1	947.3	1190.3	1494.7	1845.4	2149.8	2365.1	2426.7	2439.0
17.5°	556.7	621.3	778.1	1042.6	1384.0	1762.3	2125.2	2371.3	2429.7	2439.0
20°	510.6	522.9	605.9	864.2	1267.2	1700.8	2109.9	2380.5	2439.0	2448.2
22.5°	489.0	489.0	507.5	658.2	1104.1	1636.2	2103.7	2408.2	2451.3	2460.5
25°	467.5	467.5	473.6	516.7	910.4	1556.3	2116.0	2457.4	2485.1	2485.1
27.5°	446.0	446.0	452.1	461.3	676.6	1424.0	2119.1	2512.8	2525.1	2515.8
30°	424.4	430.6	430.6	436.7	498.2	1257.9	2100.6	2574.3	2574.3	2555.8
32.5°	402.9	406.0	412.1	415.2	433.7	1042.6	2069.9	2651.2	2635.8	2611.2
35°	384.5	387.5	387.5	393.7	412.1	833.5	2036.1	2755.7	2712.7	2685.0
37.5°	359.8	362.9	366.0	372.1	390.6	661.3	1986.8	2844.9	2814.2	2777.3
40°	338.3	341.4	344.5	350.6	369.1	569.0	1925.3	2980.3	2974.1	2931.1
42.5°	313.7	319.9	322.9	326.0	350.6	519.8	1882.3	3198.6	3198.6	3146.3
45°	292.2	298.3	298.3	304.5	338.3	476.7	1977.6	3500.0	3524.6	3475.4
47.5°	273.7	276.8	276.8	279.9	319.9	439.8	2232.9	3961.4	3930.6	3896.8
50°	255.3	261.4	255.3	258.4	304.5	461.3	2654.2	4551.9	4631.9	4573.4
52.5°	243.0	246.0	233.7	233.7	283.0	489.0	2998.7	5305.4	5573.0	5502.3
55°	227.6	230.7	215.3	215.3	249.1	424.4	3020.2	6163.5	6751.0	6797.1
57.5°	212.2	212.2	199.9	196.8	215.3	344.5	2678.9	6827.8	8159.6	8264.2
60°	193.8	190.7	184.5	178.4	196.8	316.8	2042.2	6738.7	8857.7	9220.7
62.5°	166.1	172.2	169.2	156.9	178.4	295.3	1331.7	5831.4	8070.4	8390.3
65°	*138.4*	*147.6*	*147.6*	*138.4*	*196.8*	*258.4*	*701.2*	*4668.8*	*6735.6*	*7120.0*
67.5°	123.0	129.2	126.1	119.9	175.3	163.0	338.3	3580.0	5766.8	6135.8
70°	107.6	113.8	104.6	98.4	141.5	116.9	199.9	2395.9	4761.0	5120.9
72.5°	89.2	95.3	86.1	76.9	104.6	89.2	132.3	1559.3	3964.5	4364.3
75°	73.8	76.9	70.7	61.5	76.9	70.7	92.3	1018.0	3315.5	3610.8
77.5°	52.3	58.4	55.4	46.1	55.4	49.2	64.6	581.3	2312.9	2534.3
80°	40.0	40.0	40.0	36.9	33.8	33.8	43.1	261.4	1122.6	1248.7
82.5°	33.8	33.8	30.8	27.7	24.6	21.5	24.6	76.9	529.0	559.8
85°	30.8	24.6	21.5	18.5	15.4	9.2	9.2	21.5	107.6	89.2
87.5°	18.5	15.4	12.3	6.2	3.1	3.1	0.0	3.1	3.1	3.1
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

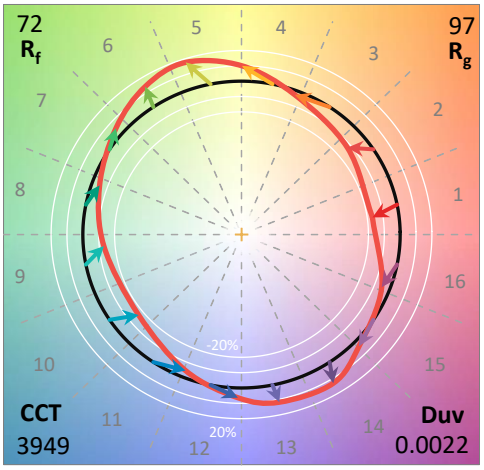
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

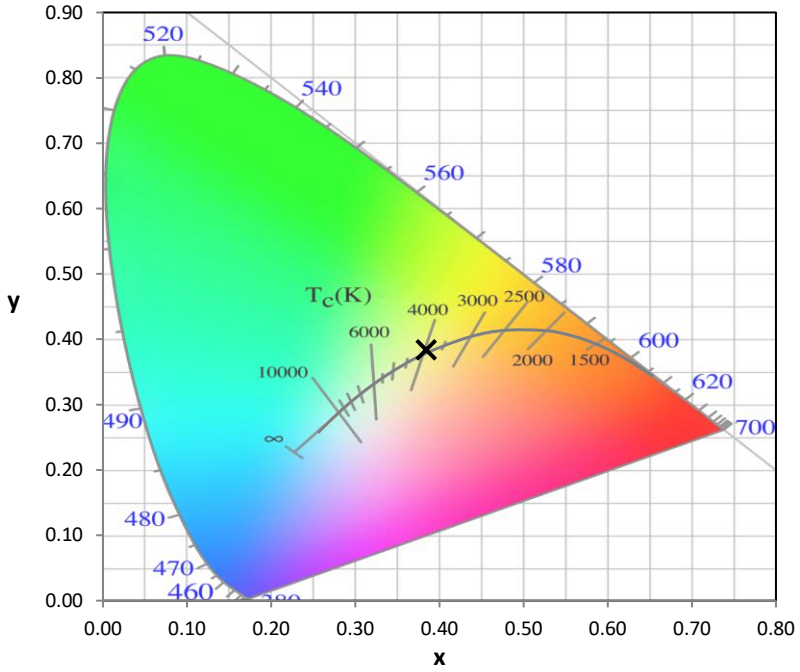
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

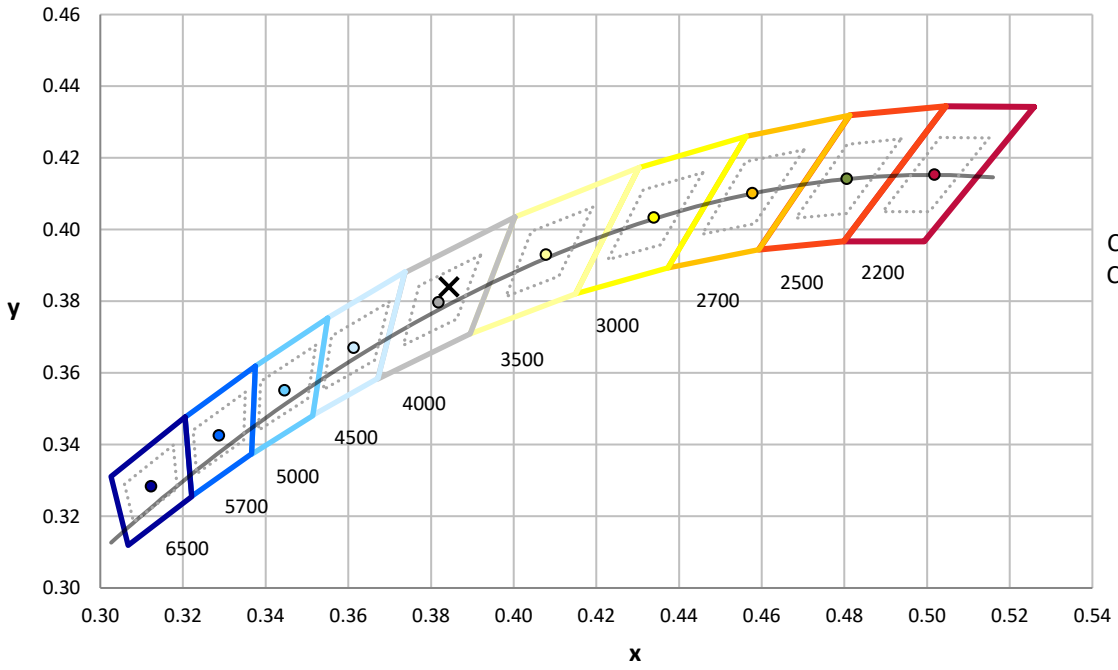
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

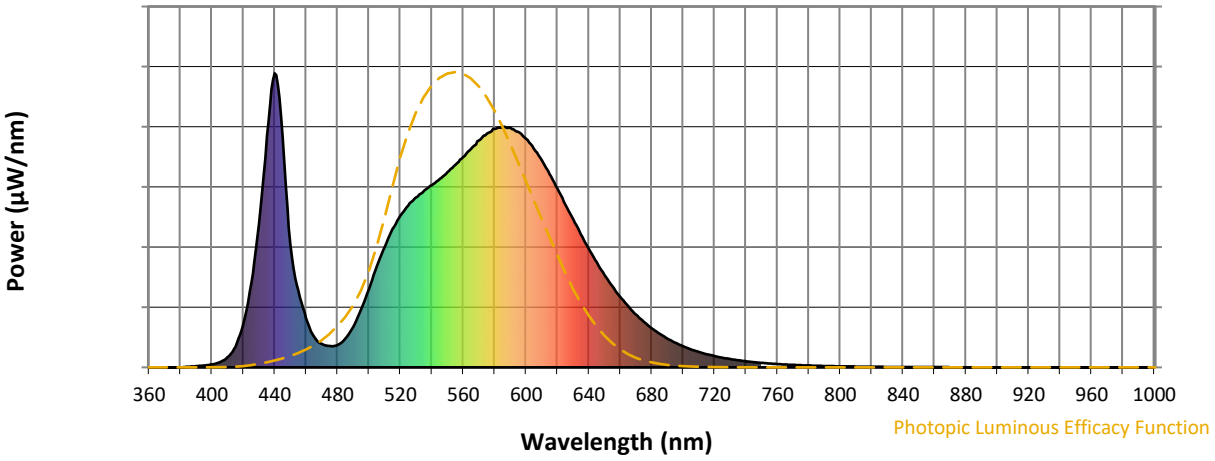


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

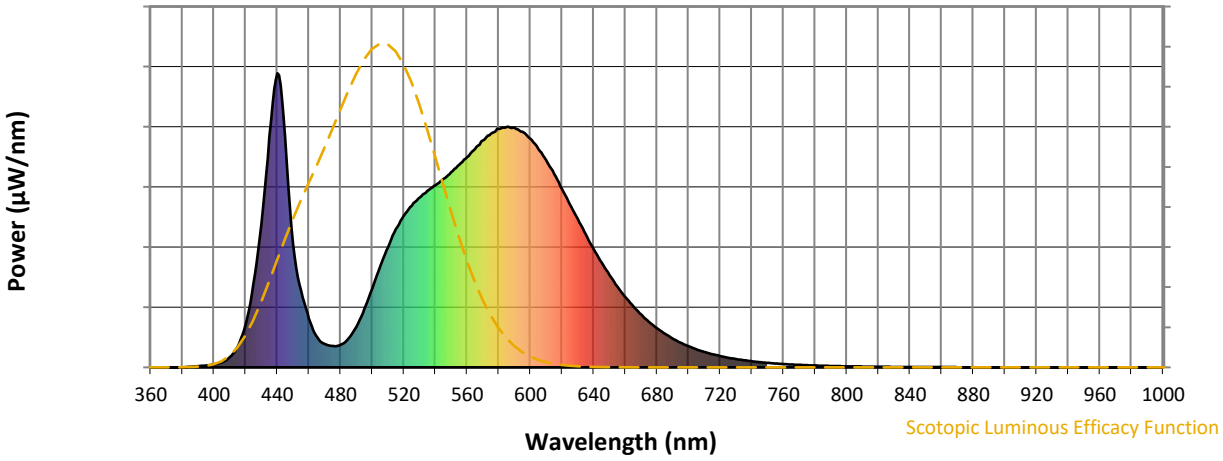


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

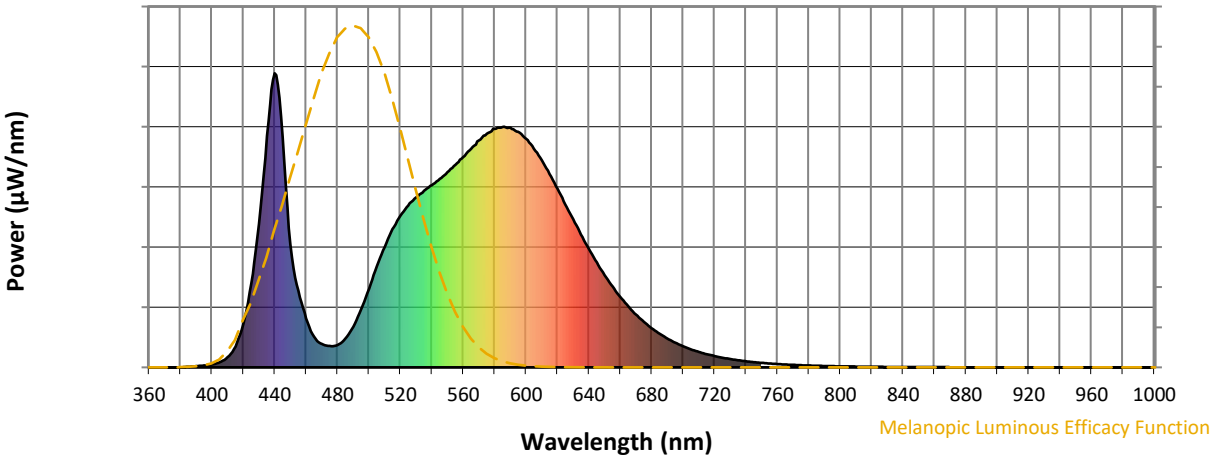


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

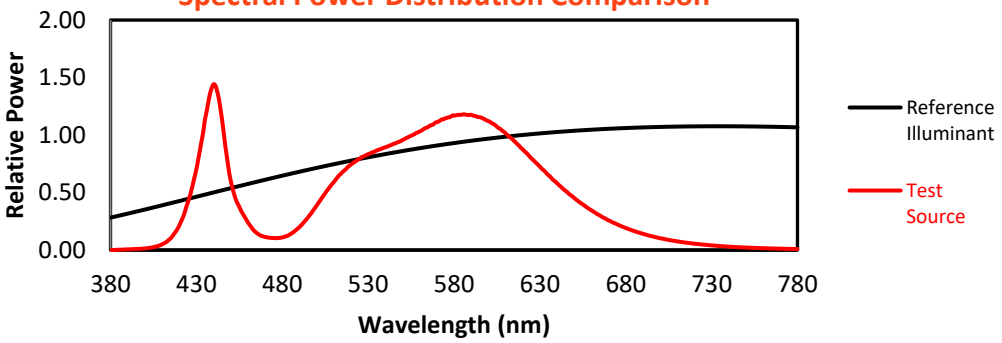
REPORT NUMBER: SP1-2407-184-1

TM-30-18

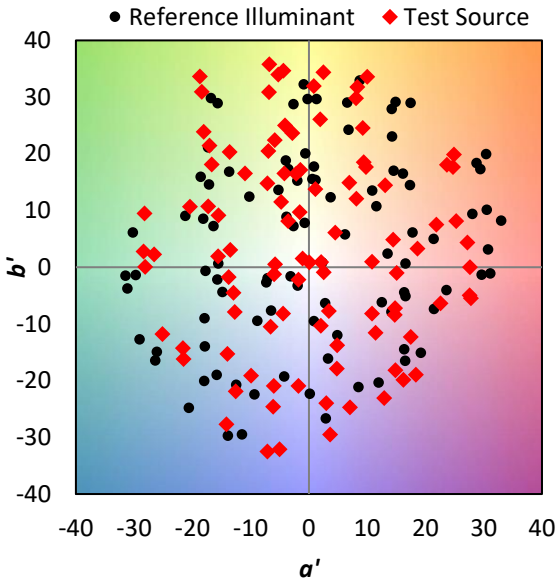
Summary

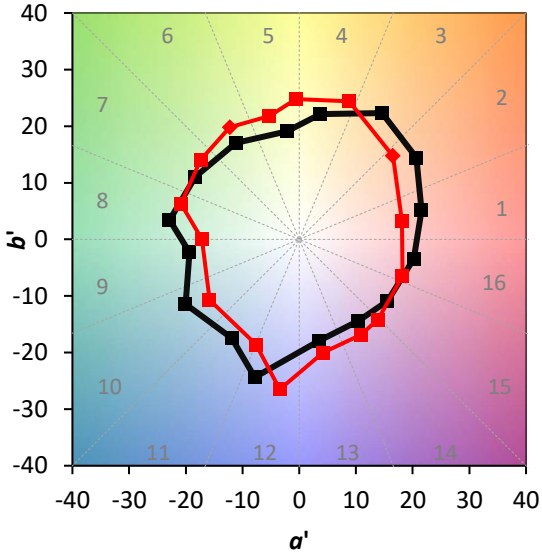
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

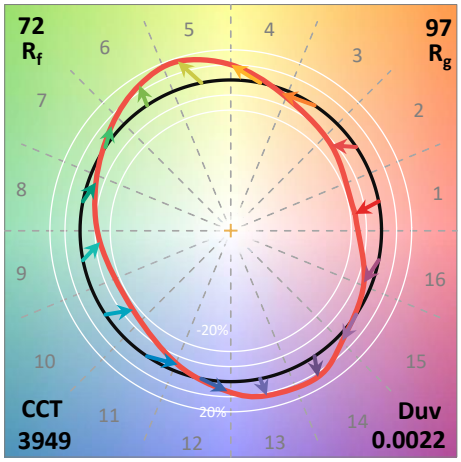
Spectral Power Distribution Comparison

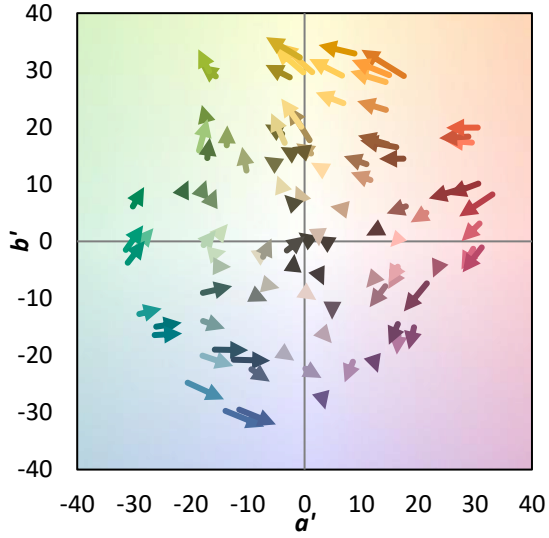


Color Vector Graphics







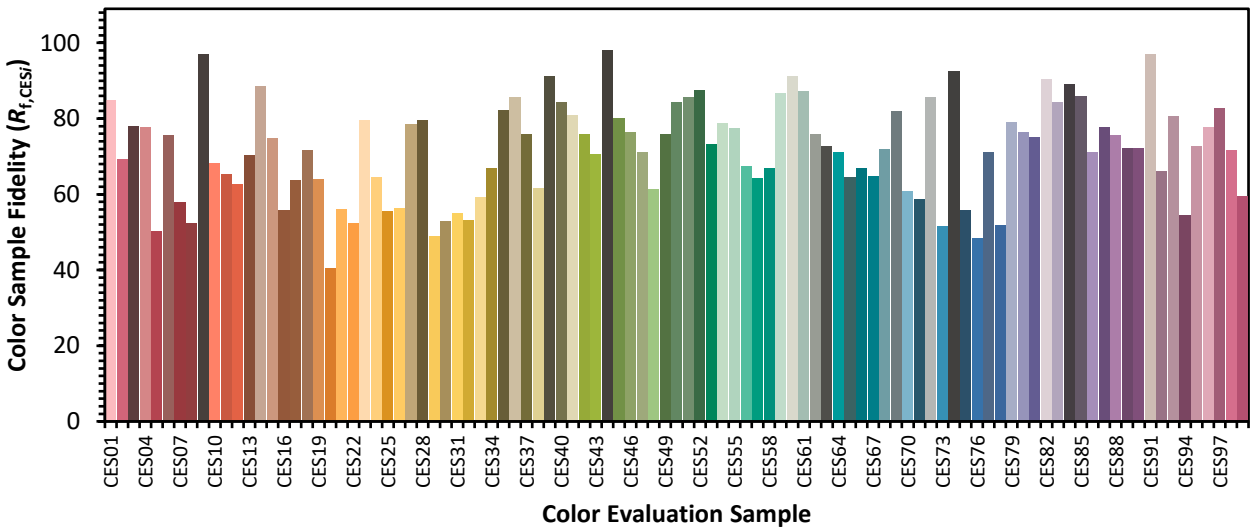


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

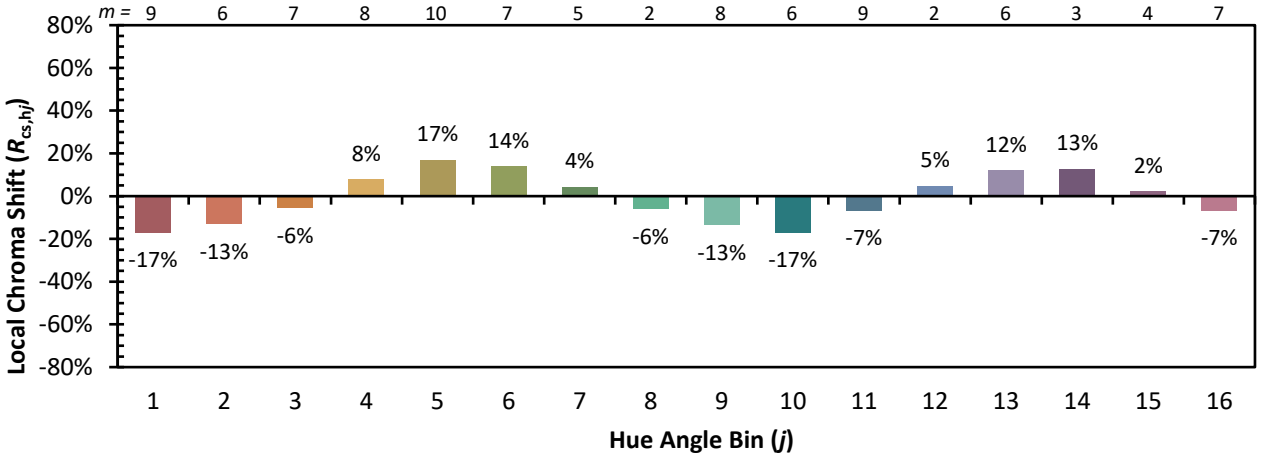
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

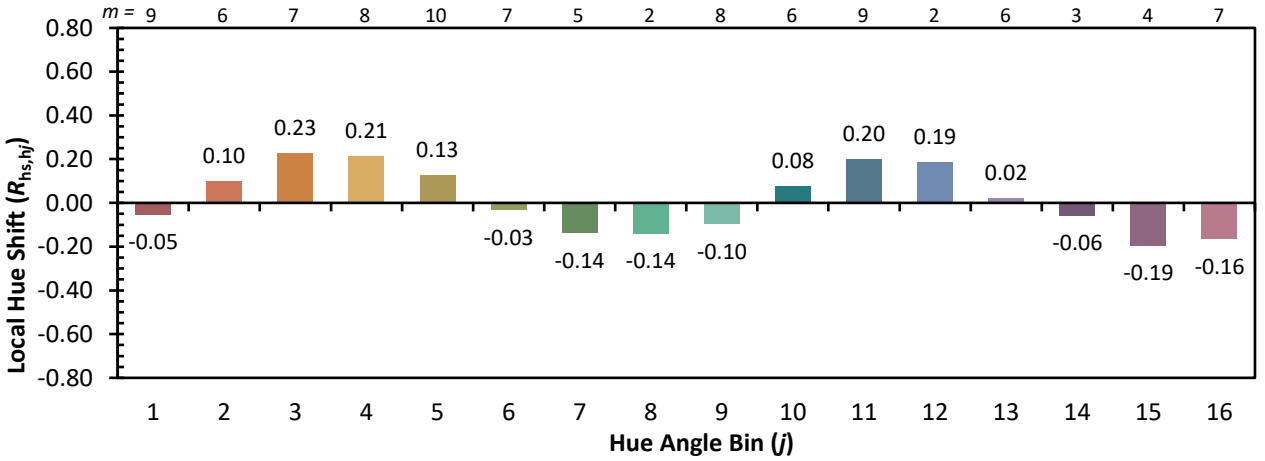


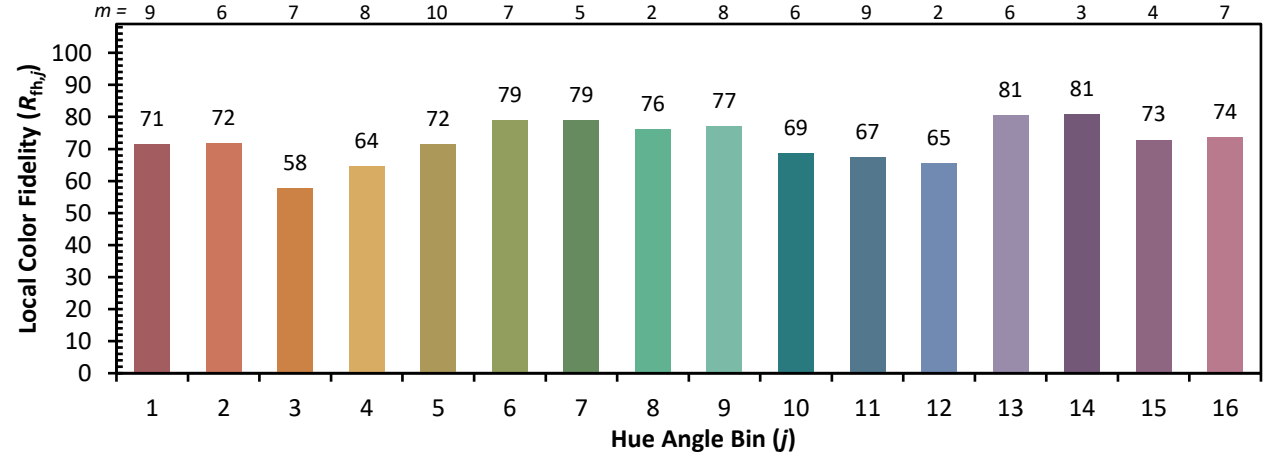
REPORT NUMBER: SP1-2407-184-1

TM-30-18

Color Rendition by Hue-Angle Bin



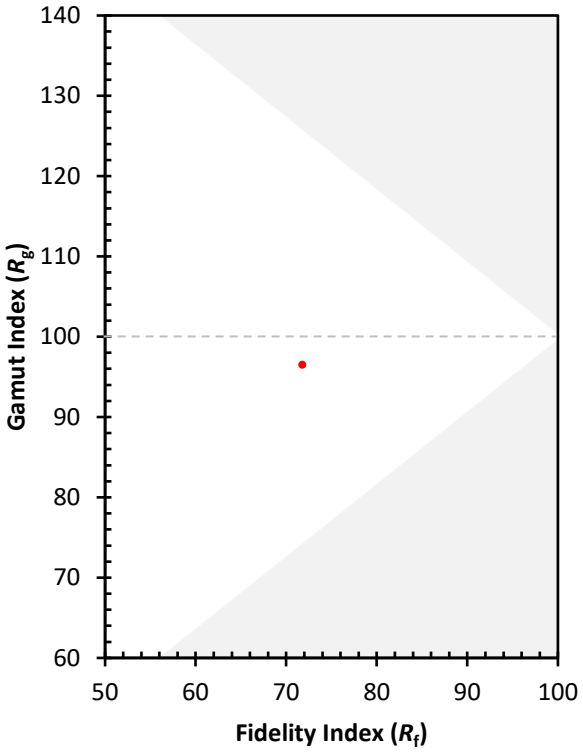


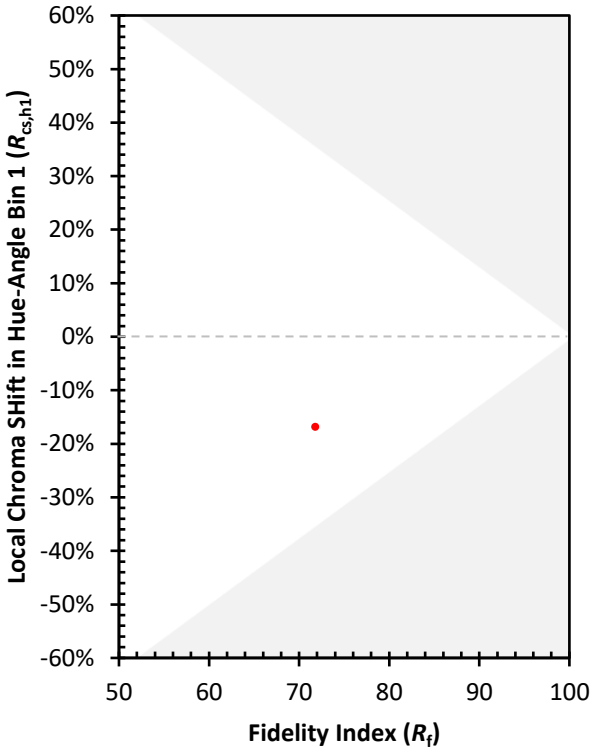


REPORT NUMBER: SP1-2407-184-1

TM-30-18

Measure Comparisons





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