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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501358

Luminaire Tested: GSS-SB3B-722-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501358
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12995.5 lumens
Efficiency:	N/A
Efficacy:	119.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

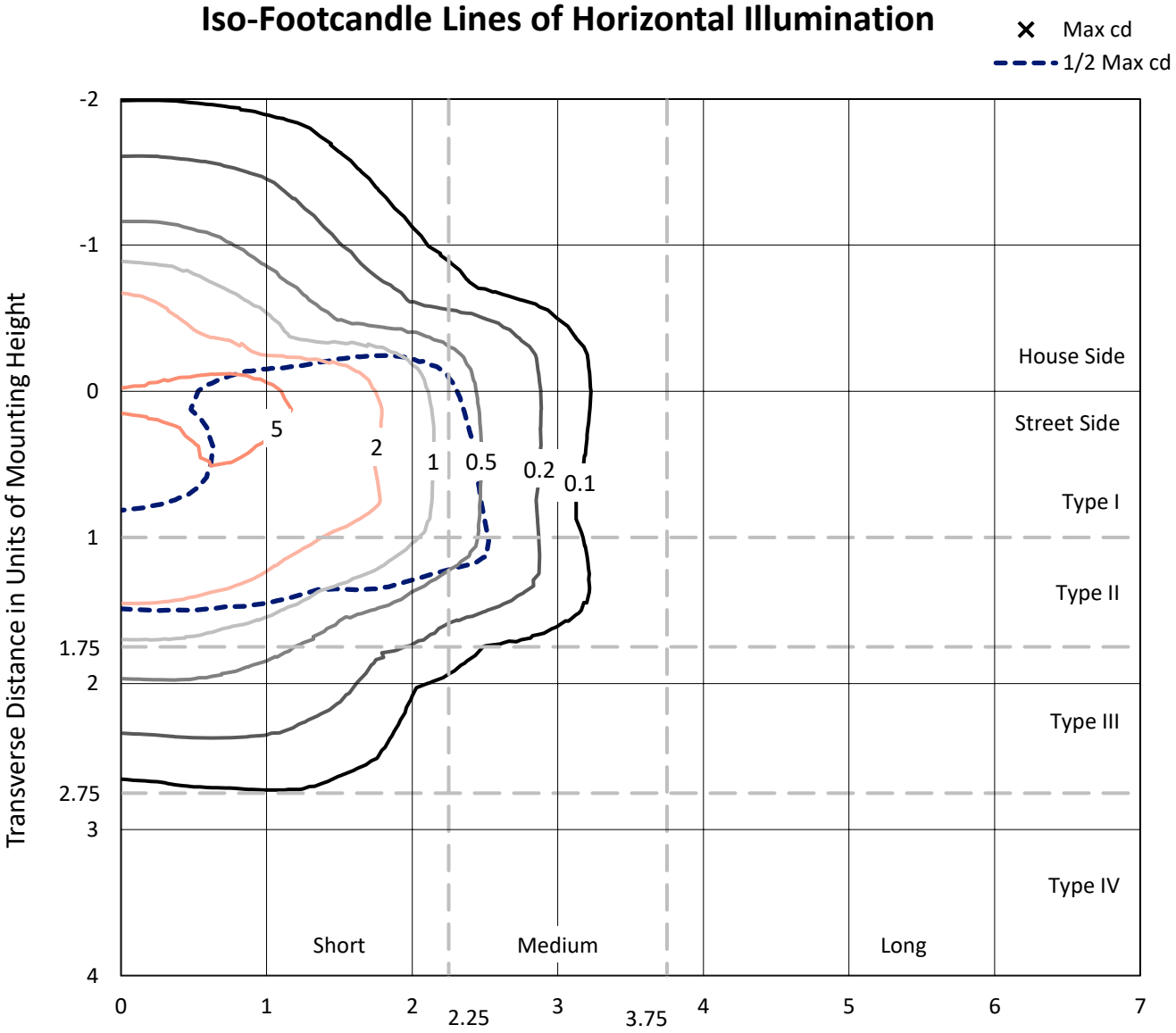
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



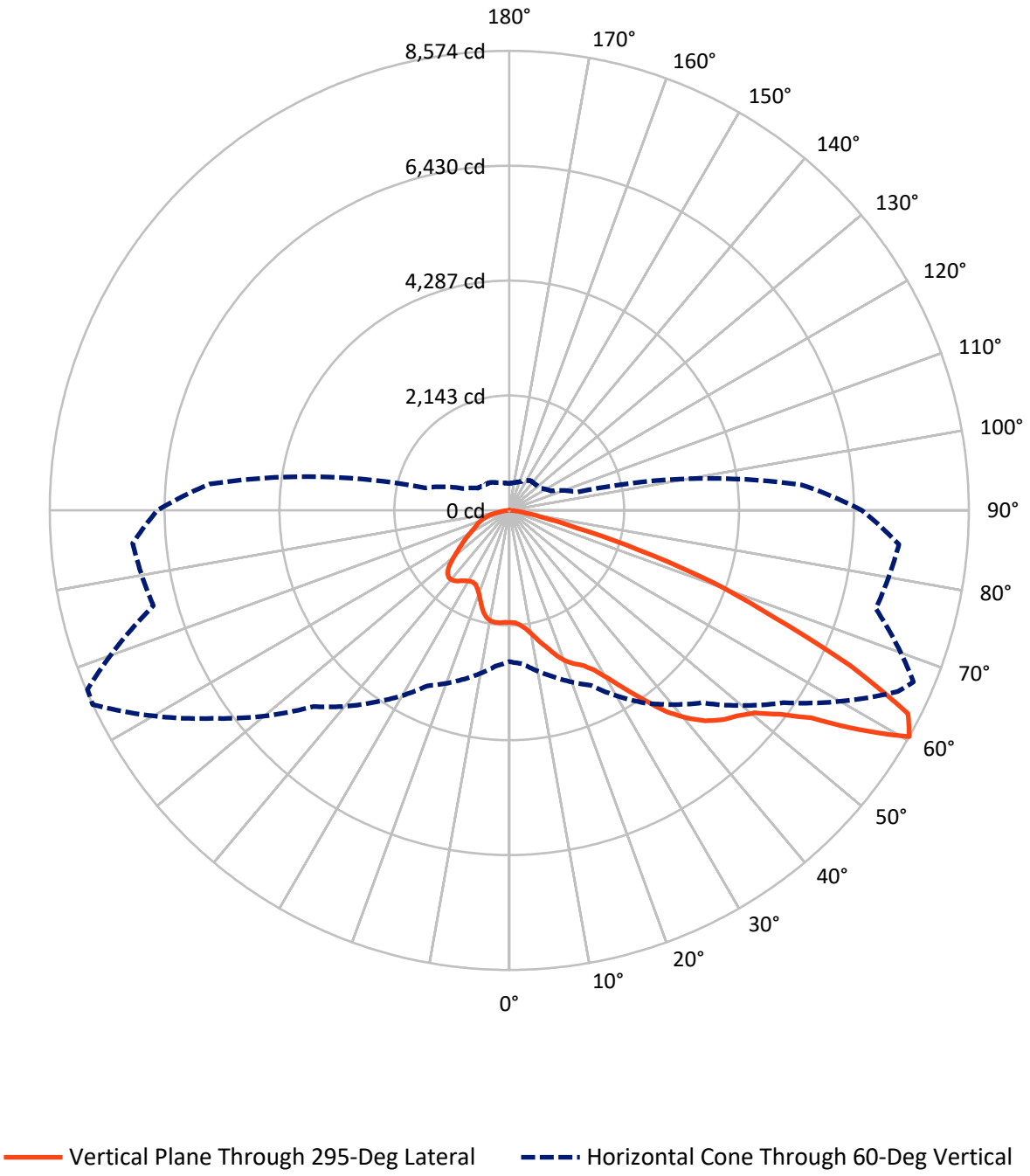
Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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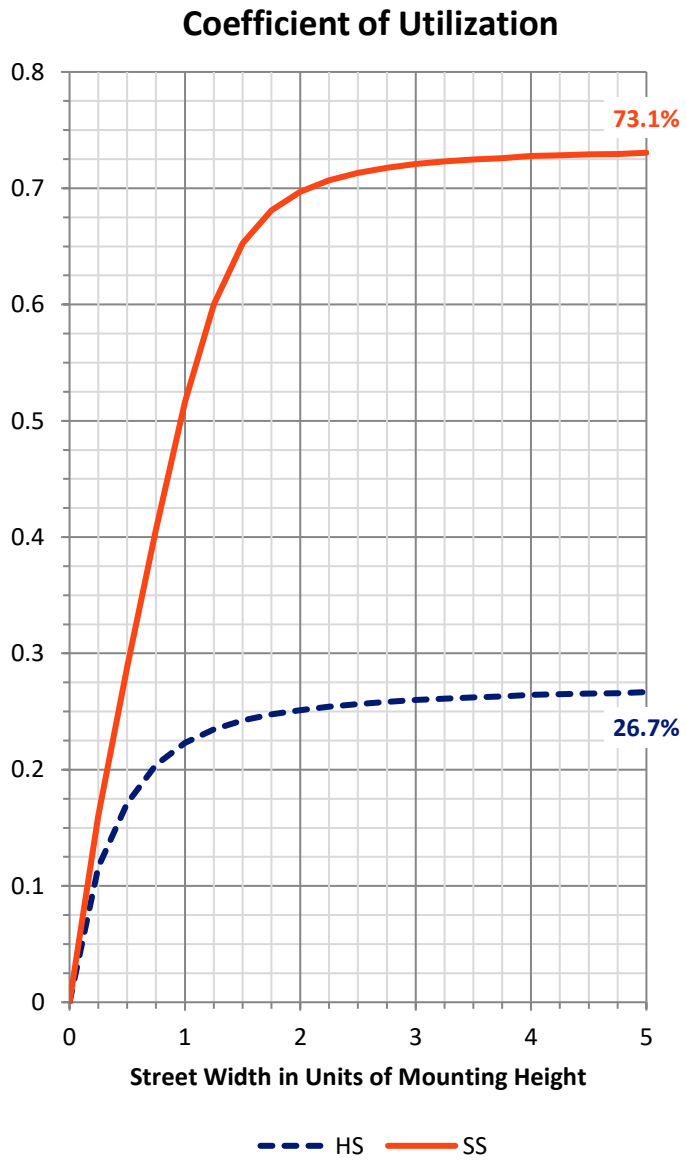
REPORT NUMBER: P1501358
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3494.7	0.0	3494.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	9500.9	0.0	9500.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	12995.5	0.0	12995.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	1.5
10°-20°	565.1	4.3
20°-30°	1070.5	8.2
30°-40°	1887.2	14.5
40°-50°	2791.0	21.5
50°-60°	3277.4	25.2
60°-70°	2374.6	18.3
70°-80°	732.3	5.6
80°-90°	100.8	0.8
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°	12995.5	100.0
0°-180°	12995.5	100.0



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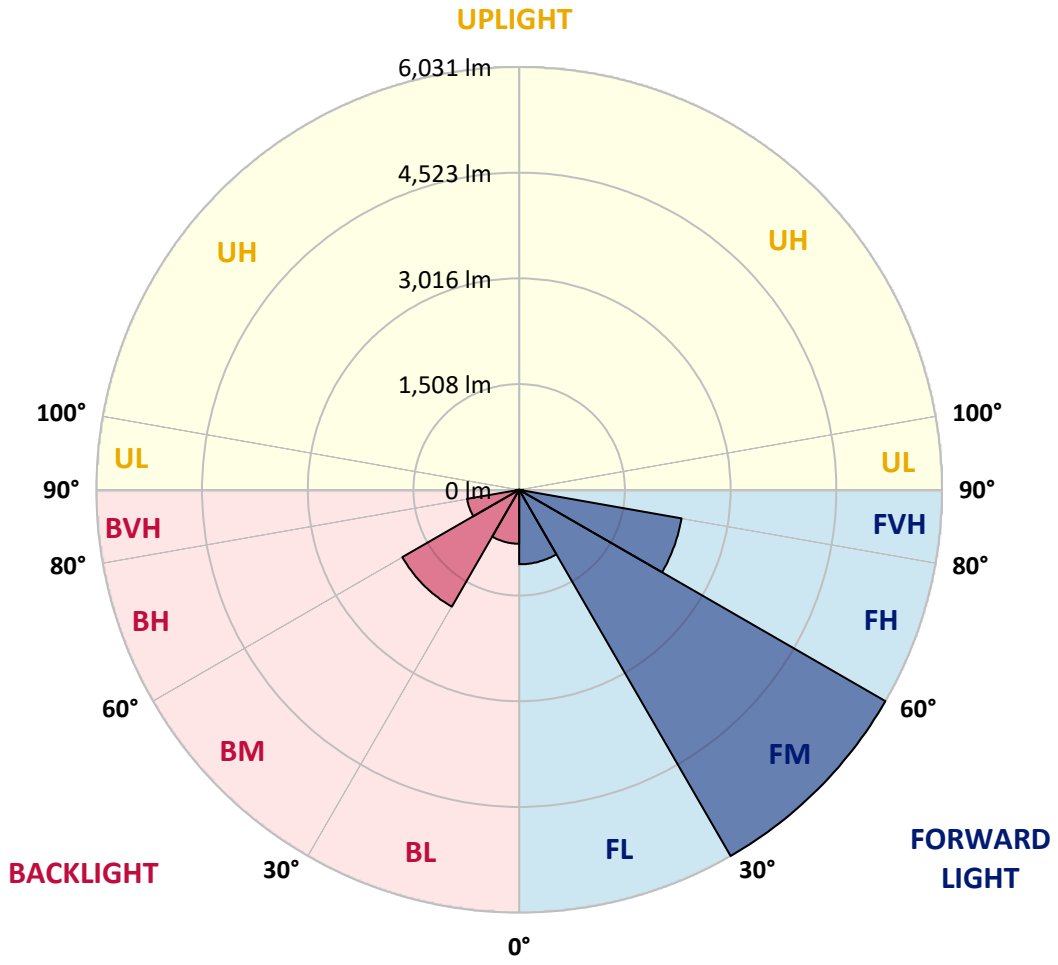
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1062.6	8.2			
FM	(30°-60°)	6031.3	46.4			
FH	(60°-80°)	2352.6	18.1			G2/5000
FVH	(80°-90°)	54.4	0.4			G1/100
BL	(0°-30°)	769.6	5.9	B2/1000		
BM	(30°-60°)	1924.3	14.8	B2/2500		
BH	(60°-80°)	754.3	5.8	B2/1000		G2/1000
BVH	(80°-90°)	46.4	0.4			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9
2.5°	2132.4	2138.3	2129.4	2135.3	2135.3	2126.5	2123.5	2111.6	2117.6	2114.6	2111.6
5°	2182.7	2185.7	2179.8	2188.7	2188.7	2191.6	2188.7	2173.8	2173.8	2173.8	2167.9
7.5°	2167.9	2167.9	2170.9	2200.5	2230.1	2268.6	2268.6	2262.7	2268.6	2265.7	2239.0
10°	2043.5	2055.4	2082.0	2156.1	2227.2	2310.1	2366.3	2384.1	2384.1	2387.1	2342.7
12.5°	1821.4	1830.3	1892.5	2005.0	2153.1	2304.2	2440.4	2529.2	2538.1	2552.9	2493.7
15°	1623.0	1628.9	1673.3	1788.8	1957.6	2224.2	2481.9	2665.5	2695.1	2757.3	2668.4
17.5°	1640.7	1637.8	1649.6	1694.1	1815.5	2093.9	2473.0	2825.4	2878.7	2988.3	2911.3
20°	1747.4	1747.4	1756.3	1765.1	1809.6	1999.1	2407.8	2955.7	3059.4	3272.6	3183.8
22.5°	1916.2	1916.2	1913.2	1928.0	1928.0	2040.6	2410.8	3053.4	3207.5	3589.5	3503.6
25°	2150.1	2138.3	2138.3	2144.2	2117.6	2197.5	2484.8	3154.1	3355.5	3965.6	3891.6
27.5°	2413.7	2422.6	2416.7	2396.0	2360.4	2422.6	2662.5	3311.1	3521.4	4362.5	4332.9
30°	2701.0	2704.0	2709.9	2698.1	2668.4	2712.9	2940.9	3548.0	3740.6	4777.1	4842.3
32.5°	2982.4	3023.8	3009.0	2979.4	2991.3	3071.2	3284.5	3867.9	4066.3	5162.1	5393.1
35°	3340.7	3355.5	3414.8	3305.2	3308.2	3444.4	3722.8	4288.5	4481.0	5562.0	5944.0
37.5°	3862.0	3888.6	3862.0	3690.2	3663.5	3853.1	4149.3	4703.1	4842.3	5864.0	6456.4
40°	4374.3	4406.9	4451.3	4250.0	4081.1	4238.1	4552.0	5020.0	5165.1	6029.9	6797.0
42.5°	4797.9	4851.2	4803.8	4744.5	4590.5	4620.2	4833.4	5265.8	5410.9	6240.2	7140.5
45°	5156.2	5165.1	5185.8	5144.4	5067.4	5040.7	5073.3	5482.0	5641.9	6334.9	7309.3
47.5°	5304.3	5342.8	5360.6	5431.6	5511.6	5458.3	5277.6	5582.7	5727.8	6329.0	7362.6
50°	5224.3	5262.8	5357.6	5526.4	5718.9	5813.7	5517.5	5721.9	5884.8	6435.6	7472.2
52.5°	5014.1	5055.5	5209.5	5402.0	5724.8	5941.0	5855.2	6012.1	6169.1	6625.2	7655.8
55°	4504.7	4566.8	4783.0	5102.9	5547.1	5872.9	6210.6	6438.6	6610.4	6853.2	7845.4
57.5°	3764.2	3829.4	4072.3	4552.0	5218.4	5591.6	6314.2	7238.2	7315.2	7125.7	7863.2
60°	*2819.5*	*2872.8*	*3216.3*	*3601.4*	*4383.2*	*5076.2*	*6255.0*	*7996.4*	*8191.9*	*7078.3*	*7297.5*
62.5°	2233.1	2298.2	2603.3	2781.0	3340.7	4193.7	6047.7	8206.7	8375.5	6687.4	6509.7
65°	1744.4	1788.8	2073.1	2327.8	2464.1	2863.9	5182.9	7179.0	7330.1	6050.6	5372.4
67.5°	1152.1	1220.2	1557.8	1907.3	1978.4	1821.4	3565.8	5523.5	5594.5	4809.7	4039.7
70°	826.3	858.9	1110.6	1483.8	1590.4	1220.2	1942.8	4181.8	4202.6	3228.2	2721.7
72.5°	562.7	568.6	755.2	1137.3	1267.6	885.5	1069.2	2754.3	2683.2	1593.4	1557.8
75°	382.1	388.0	482.7	758.2	897.4	616.0	696.0	1501.6	1442.3	879.6	944.8
77.5°	257.7	263.6	331.7	509.4	598.3	426.5	509.4	793.7	778.9	583.4	506.4
80°	195.5	204.4	245.8	325.8	417.6	248.8	290.2	376.1	382.1	311.0	257.7
82.5°	109.6	121.4	148.1	165.9	269.5	139.2	139.2	225.1	216.2	192.5	139.2
85°	47.4	50.3	59.2	62.2	109.6	59.2	50.3	97.7	100.7	94.8	44.4
87.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	11.8	11.8	11.8	11.8
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°	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9
2.5°	2096.8	2114.6	2096.8	2088.0	2088.0	2073.1	2067.2	2067.2	2046.5	2055.4	2049.5
5°	2144.2	2150.1	2129.4	2102.8	2067.2	2037.6	1996.1	1942.8	1910.3	1907.3	1910.3
7.5°	2218.3	2221.2	2165.0	2105.7	2016.9	1910.3	1782.9	1679.2	1587.4	1572.6	1590.4
10°	2321.9	2316.0	2233.1	2093.9	1907.3	1682.2	1486.7	1392.0	1338.7	1335.7	1332.7
12.5°	2461.1	2422.6	2295.3	2043.5	1717.8	1457.1	1356.4	1350.5	1365.3	1377.2	1380.1
15°	2621.1	2570.7	2345.6	1945.8	1525.2	1374.2	1380.1	1430.5	1448.2	1460.1	1460.1
17.5°	2819.5	2754.3	2401.9	1806.6	1427.5	1392.0	1433.4	1480.8	1510.4	1522.3	1519.3
20°	3083.1	2946.8	2446.3	1673.3	1400.9	1421.6	1457.1	1504.5	1534.1	1548.9	1548.9
22.5°	3346.7	3177.8	2455.2	1581.5	1400.9	1424.5	1457.1	1504.5	1537.1	1551.9	1548.9
25°	3705.0	3474.0	2458.2	1516.4	1403.8	1409.7	1439.4	1480.8	1528.2	1543.0	1548.9
27.5°	4087.1	3799.8	2473.0	1501.6	1392.0	1389.0	1409.7	1448.2	1495.6	1534.1	1537.1
30°	4560.9	4167.0	2478.9	1516.4	1394.9	1356.4	1371.2	1409.7	1460.1	1498.6	1510.4
32.5°	5025.9	4507.6	2467.0	1548.9	1400.9	1335.7	1338.7	1362.4	1415.7	1442.3	1463.0
35°	5517.5	4868.9	2446.3	1593.4	1403.8	1326.8	1300.2	1312.0	1347.5	1350.5	1359.4
37.5°	5902.5	5138.4	2384.1	1652.6	1409.7	1294.2	1240.9	1232.0	1217.2	1187.6	1193.5
40°	6219.4	5319.1	2280.5	1682.2	1394.9	1255.7	1166.9	1125.4	1069.2	1024.7	1033.6
42.5°	6447.5	5440.5	2156.1	1688.1	1371.2	1190.6	1081.0	1009.9	947.7	900.3	903.3
45°	6548.2	5428.7	2022.8	1643.7	1315.0	1110.6	1001.0	932.9	864.8	814.5	808.5
47.5°	6551.1	5313.2	1839.2	1537.1	1220.2	1018.8	927.0	853.0	796.7	761.1	758.2
50°	6574.8	5248.0	1667.4	1383.1	1095.8	921.1	861.8	787.8	755.2	704.9	690.1
52.5°	6722.9	5354.6	1548.9	1214.3	980.3	850.0	805.6	740.4	687.1	654.5	651.6
55°	6962.8	5538.3	1483.8	1086.9	870.7	781.9	752.3	696.0	648.6	616.0	607.1
57.5°	6992.4	5633.0	1406.8	968.5	781.9	728.6	716.7	654.5	586.4	562.7	553.8
60°	*6577.8*	*5473.1*	*1312.0*	*858.9*	*716.7*	*687.1*	*681.2*	*598.3*	*542.0*	*512.4*	*500.5*
62.5°	6012.1	5073.3	1166.9	758.2	666.4	645.6	621.9	556.8	485.7	453.1	444.2
65°	4913.4	4264.8	992.1	690.1	616.0	592.3	586.4	497.6	450.2	432.4	429.4
67.5°	3722.8	3426.6	873.7	639.7	562.7	553.8	533.1	503.5	482.7	462.0	456.1
70°	2632.9	2473.0	743.4	574.6	509.4	494.6	580.5	547.9	473.9	447.2	444.2
72.5°	1596.3	1551.9	642.7	515.3	438.3	462.0	536.1	494.6	426.5	393.9	382.1
75°	1007.0	921.1	539.0	438.3	349.5	376.1	467.9	441.3	367.2	334.7	325.8
77.5°	547.9	509.4	405.7	358.4	275.4	305.0	408.7	364.3	293.2	319.9	284.3
80°	239.9	266.5	269.5	207.3	183.6	225.1	293.2	284.3	225.1	228.0	189.5
82.5°	115.5	151.0	174.7	142.2	103.7	133.3	195.5	162.9	151.0	142.2	136.2
85°	35.5	56.3	77.0	68.1	47.4	56.3	91.8	88.8	106.6	91.8	85.9
87.5°	11.8	11.8	8.9	8.9	8.9	11.8	14.8	8.9	3.0	3.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9
2.5°	2046.5	2049.5	2049.5	2052.4	2052.4	2061.3	2073.1	2085.0	2076.1	2088.0	2090.9
5°	1904.3	1919.1	1931.0	1975.4	2011.0	2040.6	2073.1	2102.8	2111.6	2117.6	2132.4
7.5°	1569.7	1611.1	1688.1	1788.8	1901.4	2011.0	2085.0	2162.0	2173.8	2188.7	2209.4
10°	1335.7	1353.5	1406.8	1510.4	1711.8	1928.0	2108.7	2230.1	2280.5	2310.1	2330.8
12.5°	1374.2	1362.4	1353.5	1368.3	1498.6	1777.0	2093.9	2327.8	2422.6	2455.2	2481.9
15°	1466.0	1454.2	1421.6	1380.1	1394.9	1617.1	2043.5	2419.7	2570.7	2624.0	2680.3
17.5°	1519.3	1507.5	1480.8	1436.4	1397.9	1483.8	1948.8	2502.6	2804.7	2869.8	2949.8
20°	1548.9	1537.1	1510.4	1466.0	1421.6	1433.4	1827.3	2606.2	3071.2	3174.9	3293.3
22.5°	1554.9	1540.1	1510.4	1466.0	1439.4	1430.5	1711.8	2668.4	3358.5	3518.4	3654.7
25°	1551.9	1525.2	1486.7	1454.2	1439.4	1436.4	1631.9	2704.0	3669.5	3924.2	4078.2
27.5°	1531.2	1498.6	1460.1	1436.4	1430.5	1448.2	1596.3	2745.4	4033.8	4359.5	4605.3
30°	1507.5	1460.1	1412.7	1403.8	1418.6	1474.9	1625.9	2760.2	4415.8	4833.4	5085.1
32.5°	1445.3	1409.7	1362.4	1359.4	1394.9	1495.6	1694.1	2739.5	4753.4	5307.3	5624.2
35°	1356.4	1335.7	1309.0	1317.9	1374.2	1513.4	1741.4	2674.4	5061.4	5748.5	6118.7
37.5°	1199.5	1214.3	1229.1	1249.8	1320.9	1510.4	1762.2	2570.7	5316.1	6101.0	6574.8
40°	1024.7	1075.1	1122.5	1175.8	1270.5	1486.7	1768.1	2443.4	5464.2	6367.5	6980.6
42.5°	915.1	962.5	1021.8	1098.8	1202.4	1433.4	1762.2	2301.2	5511.6	6551.1	7238.2
45°	814.5	870.7	944.8	1024.7	1143.2	1356.4	1708.9	2147.2	5535.3	6637.0	7347.8
47.5°	761.1	793.7	861.8	941.8	1066.2	1261.7	1605.2	2034.6	5499.8	6654.8	7481.1
50°	698.9	743.4	787.8	864.8	986.2	1143.2	1480.8	1969.5	5559.0	6829.5	7691.4
52.5°	651.6	675.3	722.6	793.7	882.6	1033.6	1362.4	1916.2	5721.9	7007.2	7910.5
55°	616.0	642.7	672.3	731.5	799.6	924.0	1240.9	1836.2	5911.4	7196.8	8129.7
57.5°	559.7	577.5	619.0	681.2	725.6	817.4	1098.8	1741.4	5896.6	7048.7	7750.6
60°	*509.4*	*527.2*	*571.6*	*633.8*	*660.4*	*722.6*	*959.6*	*1620.0*	*5612.3*	*6566.0*	*7051.7*
62.5°	453.1	473.9	527.2	571.6	595.3	642.7	814.5	1397.9	5020.0	5840.4	6234.3
65°	429.4	441.3	476.8	530.1	527.2	571.6	687.1	1098.8	4039.7	4463.2	4821.5
67.5°	456.1	473.9	467.9	482.7	473.9	497.6	616.0	882.6	3174.9	3361.5	3568.8
70°	450.2	491.6	512.4	482.7	414.6	441.3	533.1	704.9	2271.6	2253.8	2244.9
72.5°	393.9	435.4	494.6	524.2	405.7	367.2	462.0	610.1	1457.1	1451.2	1312.0
75°	334.7	364.3	435.4	473.9	349.5	296.2	396.9	518.3	870.7	882.6	787.8
77.5°	308.0	293.2	364.3	417.6	284.3	228.0	319.9	390.9	479.8	485.7	450.2
80°	222.1	213.2	272.5	305.0	216.2	162.9	180.7	242.9	257.7	231.0	239.9
82.5°	142.2	145.1	162.9	195.5	133.3	88.8	124.4	162.9	139.2	112.5	133.3
85°	91.8	103.7	85.9	100.7	41.5	41.5	53.3	71.1	47.4	32.6	35.5
87.5°	0.0	0.0	5.9	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1501358
CATALOG NUMBER: GSS-SB3B-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2090.9	2090.9	*2090.9*	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9	2090.9
2.5°	2099.8	2096.8	*2096.8*	2102.8	2117.6	2123.5	2132.4	2129.4	2138.3	2132.4
5°	2141.3	2144.2	*2153.1*	2156.1	2165.0	2176.8	2179.8	2176.8	2182.7	2182.7
7.5°	2224.2	2236.0	*2230.1*	2244.9	2233.1	2218.3	2194.6	2176.8	2162.0	2167.9
10°	2363.4	2357.5	*2354.5*	2327.8	2274.5	2197.5	2135.3	2067.2	2055.4	2043.5
12.5°	2517.4	2511.5	*2511.5*	2419.7	2268.6	2108.7	1966.5	1859.9	1824.4	1821.4
15°	2733.6	2695.1	*2659.6*	2467.0	2165.0	1892.5	1726.6	1643.7	1623.0	1623.0
17.5°	3003.1	2902.4	*2843.2*	2431.5	1996.1	1750.3	1652.6	1631.9	1625.9	1640.7
20°	3337.8	3083.1	*2997.2*	2351.5	1934.0	1768.1	1720.7	1723.7	1726.6	1747.4
22.5°	3705.0	3248.9	*3106.8*	2351.5	1996.1	1880.6	1856.9	1889.5	1898.4	1916.2
25°	4113.7	3397.0	*3204.5*	2475.9	2179.8	2093.9	2064.3	2096.8	2120.5	2150.1
27.5°	4572.8	3551.0	*3373.3*	2701.0	2416.7	2363.4	2330.8	2345.6	2378.2	2413.7
30°	4984.4	3808.7	*3631.0*	3044.6	2739.5	2674.4	2618.1	2641.8	2677.3	2701.0
32.5°	5348.7	4122.6	*3971.6*	3405.9	3109.7	2997.2	2935.0	2929.1	3000.1	2982.4
35°	5683.4	4492.8	*4347.7*	3817.6	3485.8	3346.7	3263.7	3370.3	3323.0	3340.7
37.5°	5947.0	4877.8	*4762.3*	4211.5	3876.8	3687.2	3636.9	3767.2	3841.2	3862.0
40°	6163.2	5212.5	*5091.1*	4602.4	4235.1	4095.9	4175.9	4392.1	4383.2	4374.3
42.5°	6329.0	5499.8	*5366.5*	4898.6	4578.7	4605.3	4667.5	4812.7	4848.2	4797.9
45°	6403.1	5680.4	*5573.8*	5132.5	4969.6	5123.6	5150.3	5212.5	5188.8	5156.2
47.5°	6489.0	5840.4	*5727.8*	5345.8	5393.1	5544.2	5490.9	5440.5	5354.6	5304.3
50°	6634.1	6029.9	*5935.1*	5656.7	5828.5	5778.2	5570.8	5458.3	5283.6	5224.3
52.5°	6909.5	6388.3	*6317.2*	6148.4	6032.9	5742.6	5490.9	5289.5	5094.0	5014.1
55°	7155.3	6874.0	*6832.5*	6607.4	5970.7	5556.0	5218.4	4907.4	4572.8	4504.7
57.5°	7297.5	7679.5	*7726.9*	6802.9	5686.3	5132.5	4635.0	4137.4	3820.5	3764.2
60°	*6874.0*	*8550.3*	*8573.9*	*6764.4*	*5174.0*	*4368.4*	*3610.2*	*3257.8*	*2917.2*	*2819.5*
62.5°	6290.5	8369.6	*8348.9*	6533.4	4119.6	3186.7	2742.5	2576.6	2313.0	2233.1
65°	5408.0	6971.7	*6995.4*	5644.9	2739.5	2304.2	2304.2	2093.9	1800.7	1744.4
67.5°	4406.9	5375.4	*5322.1*	3660.6	1682.2	1845.1	1934.0	1631.9	1220.2	1152.1
70°	2863.9	4104.8	*4030.8*	2111.6	1057.3	1537.1	1522.3	1226.1	873.7	826.3
72.5°	1232.0	2372.3	*2523.3*	1078.0	796.7	1238.0	1214.3	858.9	583.4	562.7
75°	743.4	1193.5	*1300.2*	687.1	580.5	932.9	841.1	544.9	396.9	382.1
77.5°	470.9	654.5	*648.6*	515.3	435.4	630.8	565.7	376.1	269.5	257.7
80°	272.5	322.8	*334.7*	322.8	293.2	450.2	361.3	272.5	210.3	195.5
82.5°	174.7	201.4	*204.4*	157.0	162.9	290.2	195.5	159.9	121.4	109.6
85°	77.0	85.9	*82.9*	53.3	53.3	118.5	68.1	65.2	47.4	47.4
87.5°	3.0	5.9	*3.0*	3.0	3.0	11.8	5.9	8.9	8.9	8.9
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

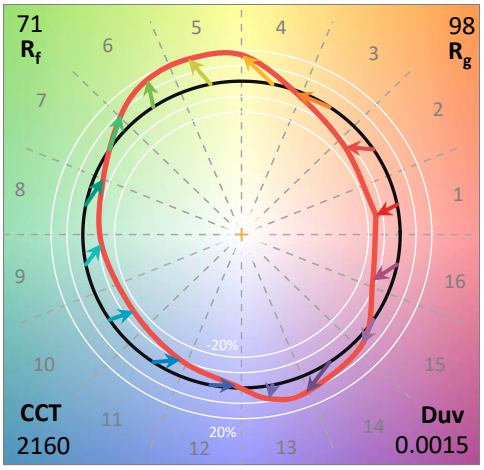
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

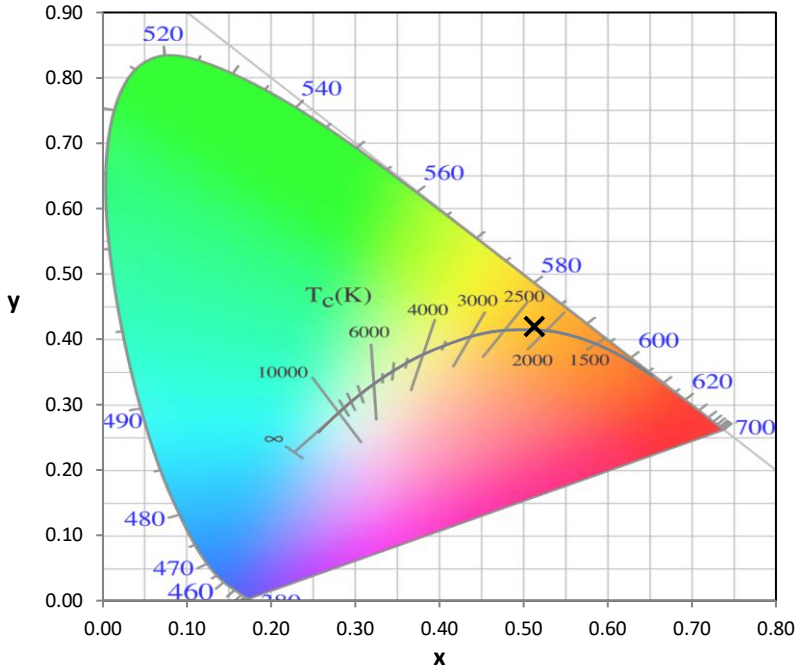
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

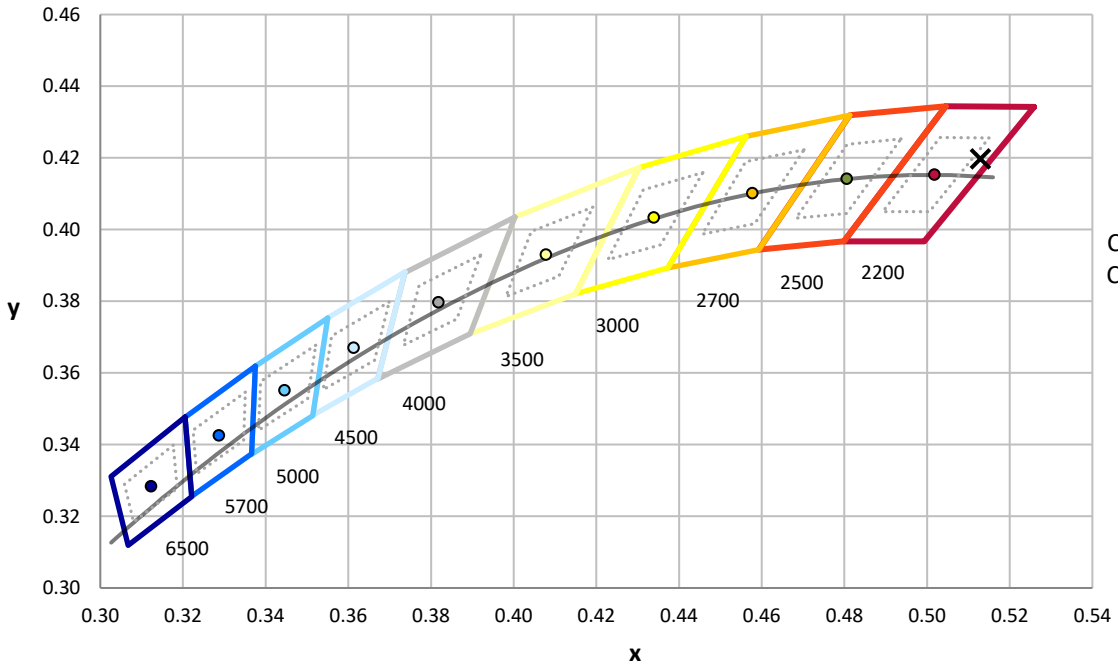
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

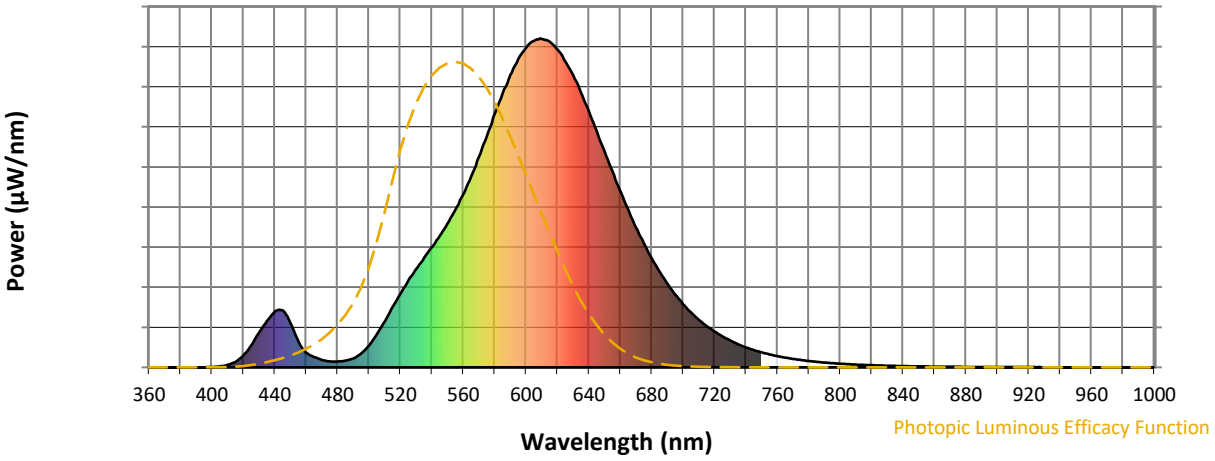


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

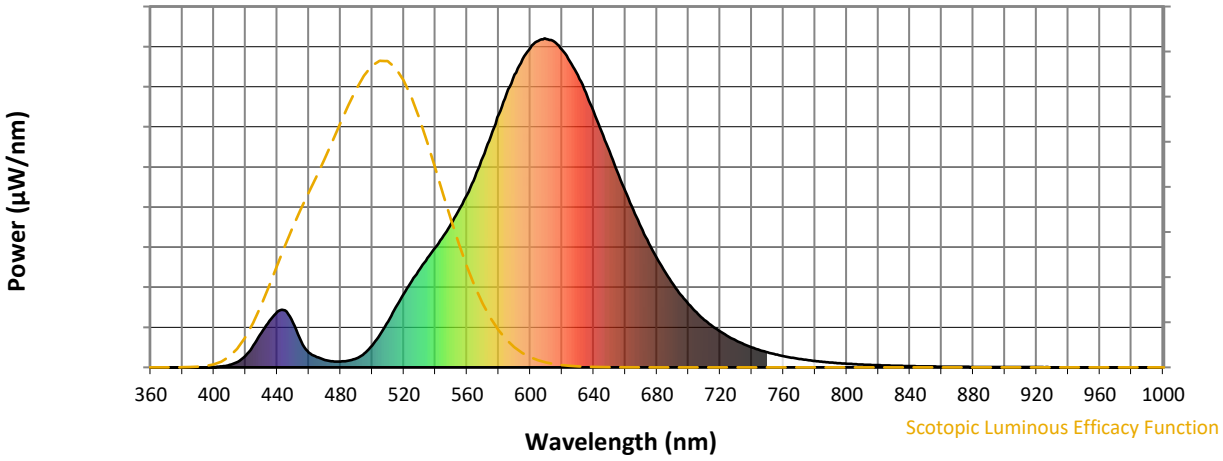


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

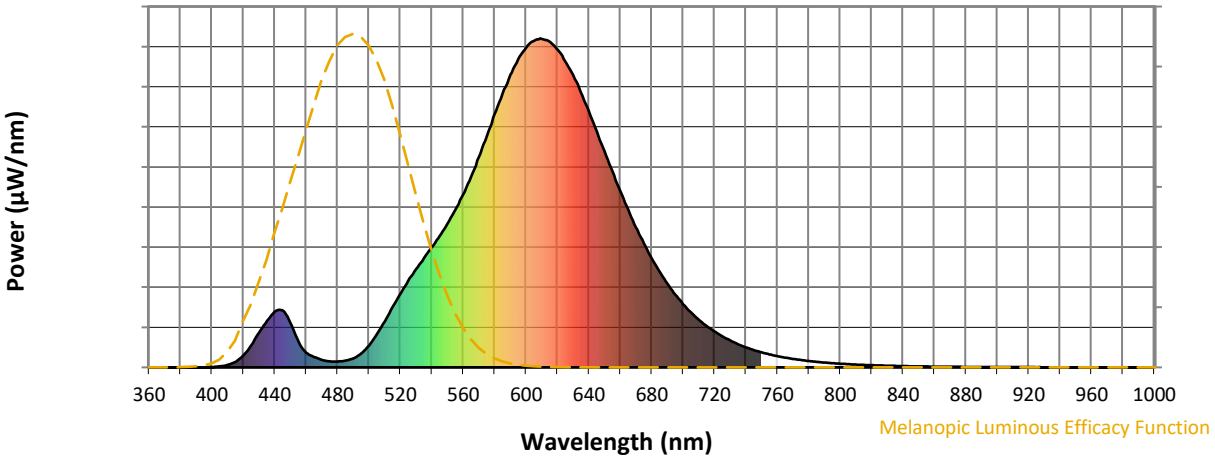


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

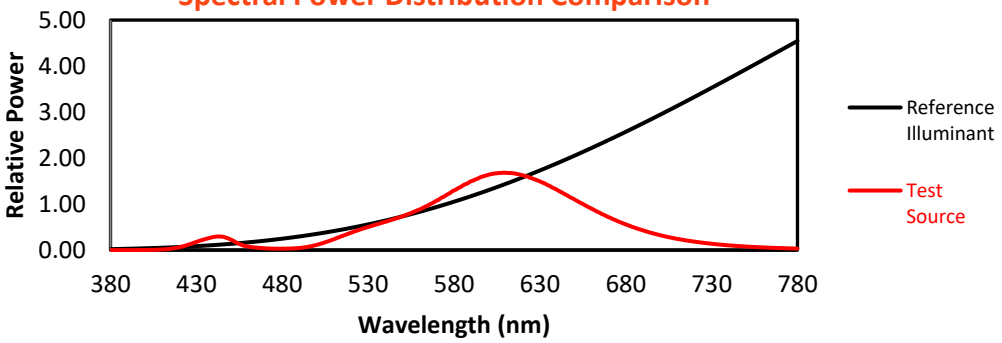
REPORT NUMBER: SP1-2407-184-2

TM-30-18

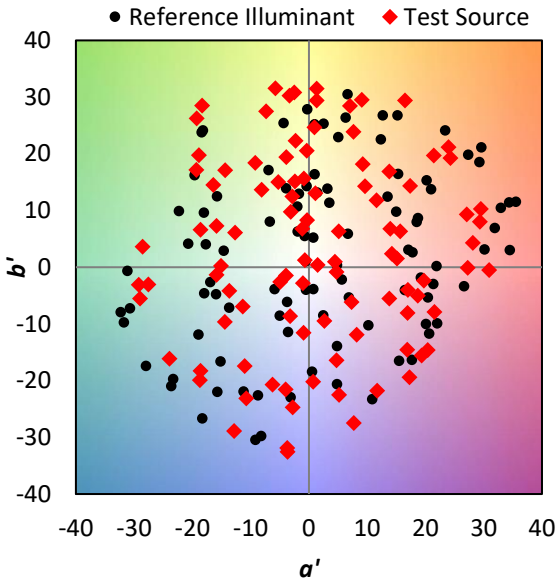
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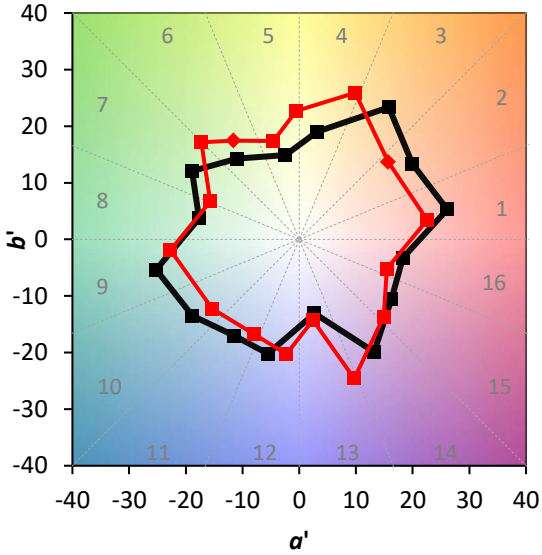
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

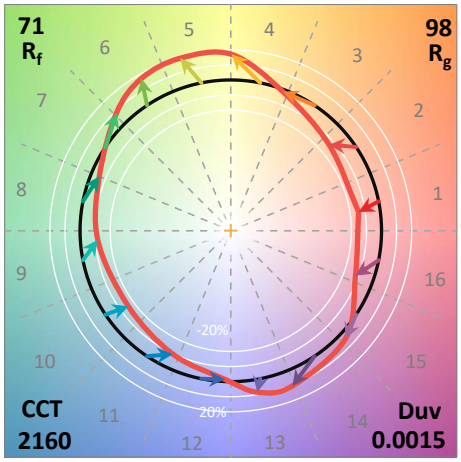
Spectral Power Distribution Comparison

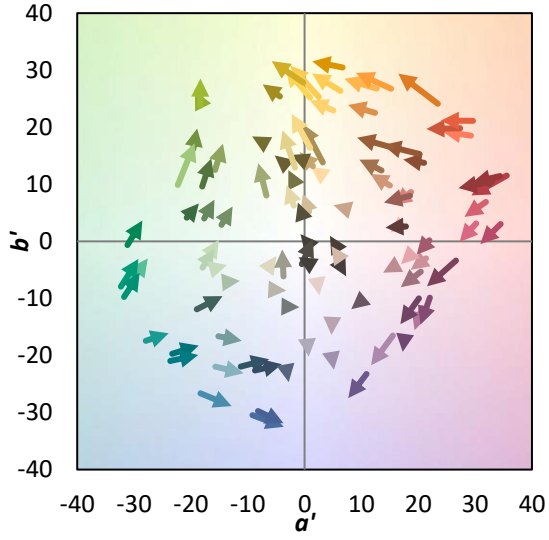


Color Vector Graphics







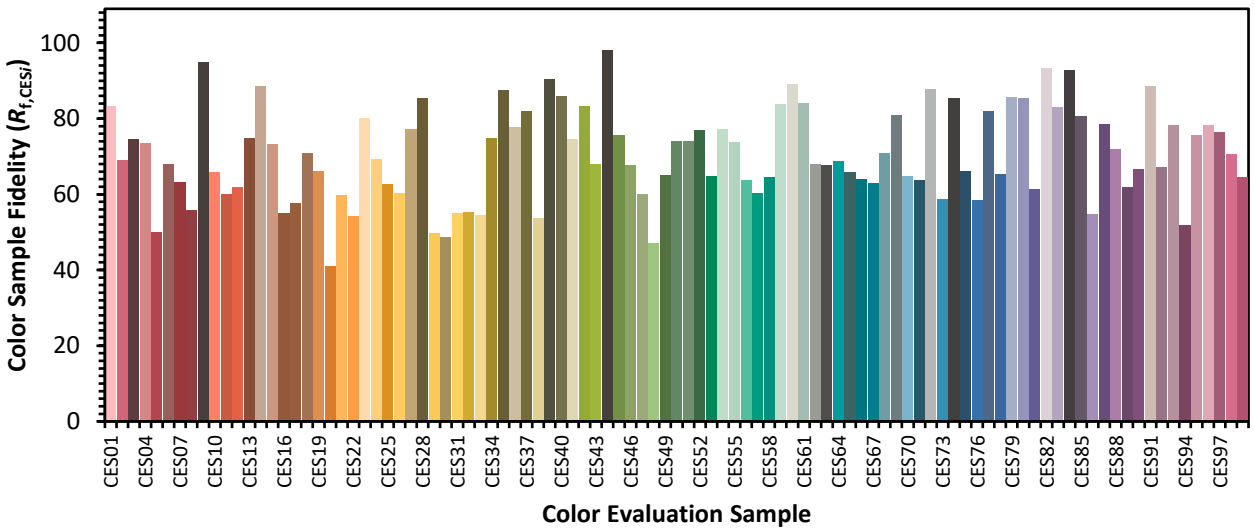


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Individual Sample Fidelity Index ($R_{f,i}$)

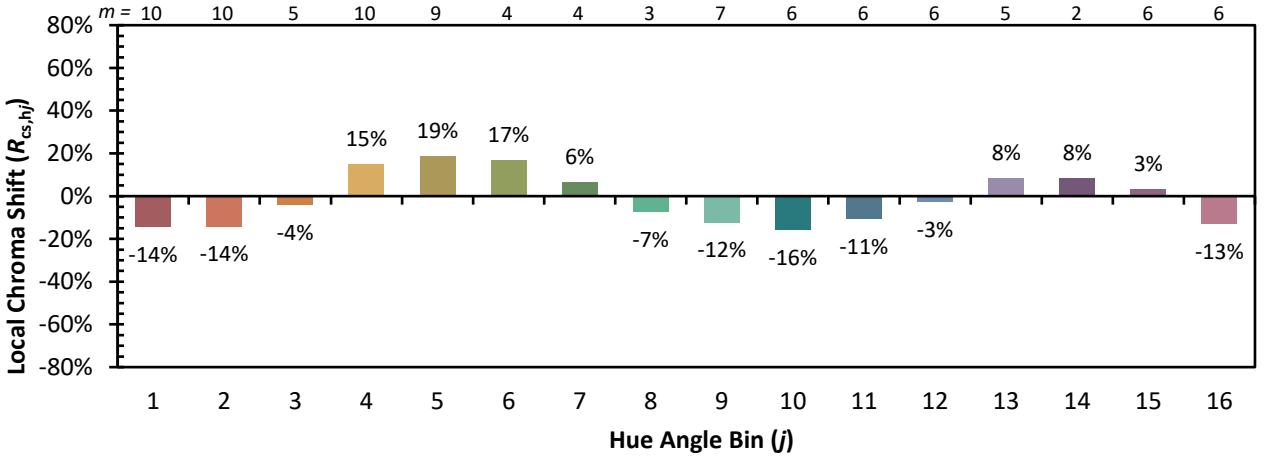
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

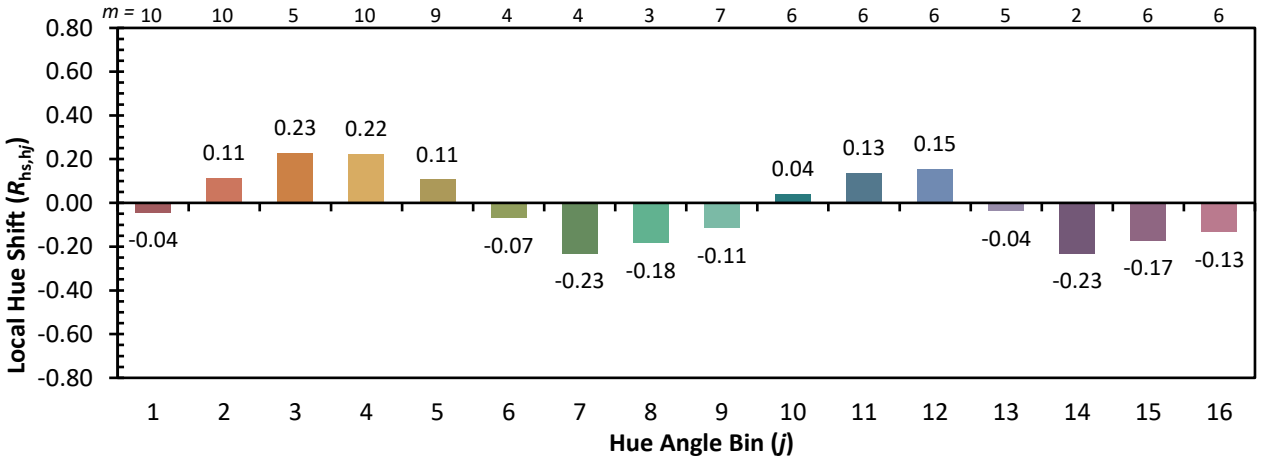


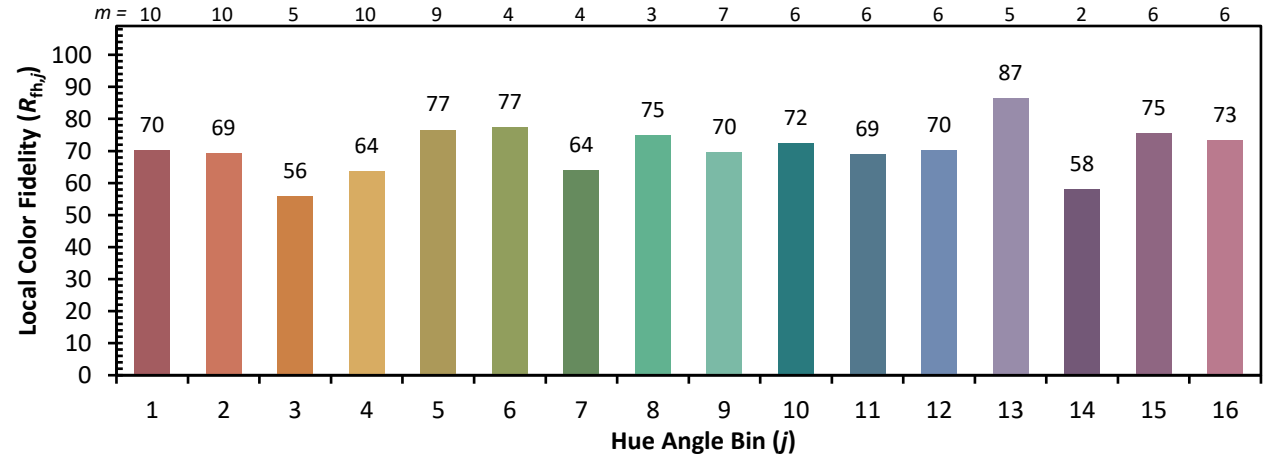
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Color Rendition by Hue-Angle Bin



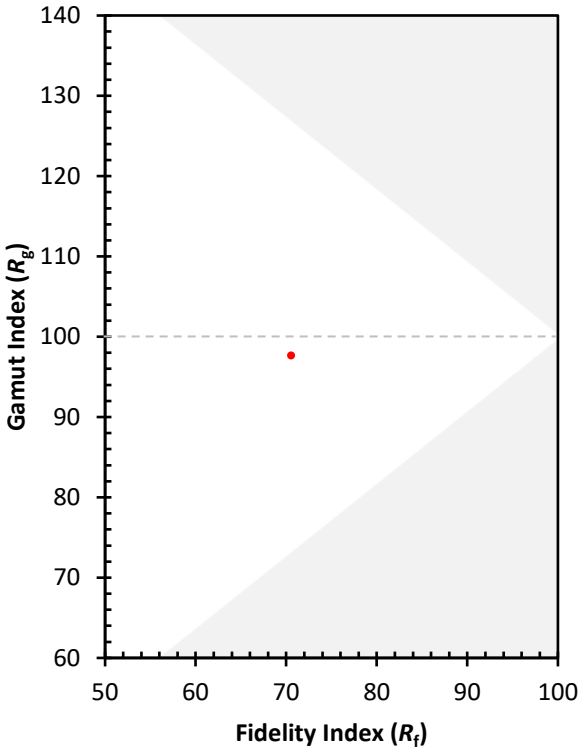


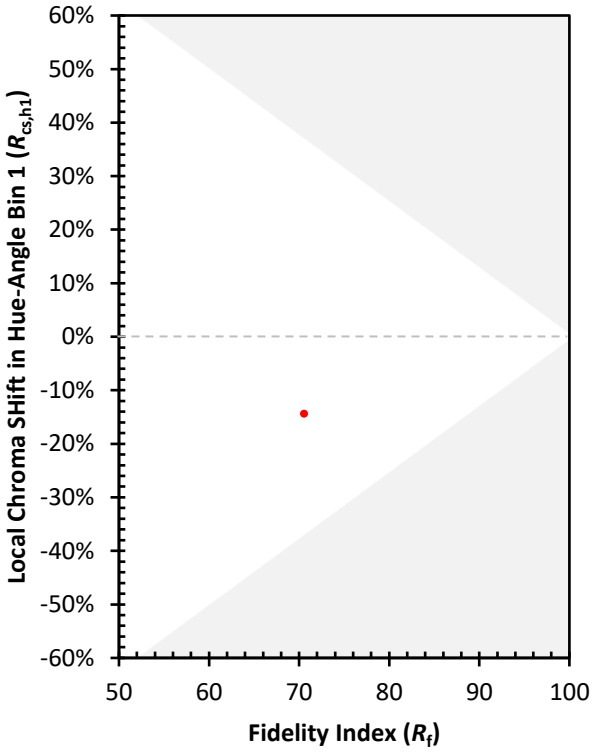


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Measure Comparisons





(END OF REPORT)