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: P1364536

Luminaire Tested: **GSS-SB3B-722-U-SLR-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:	P1364536
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9855.2 lumens
Efficiency:	N/A
Efficacy:	90.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

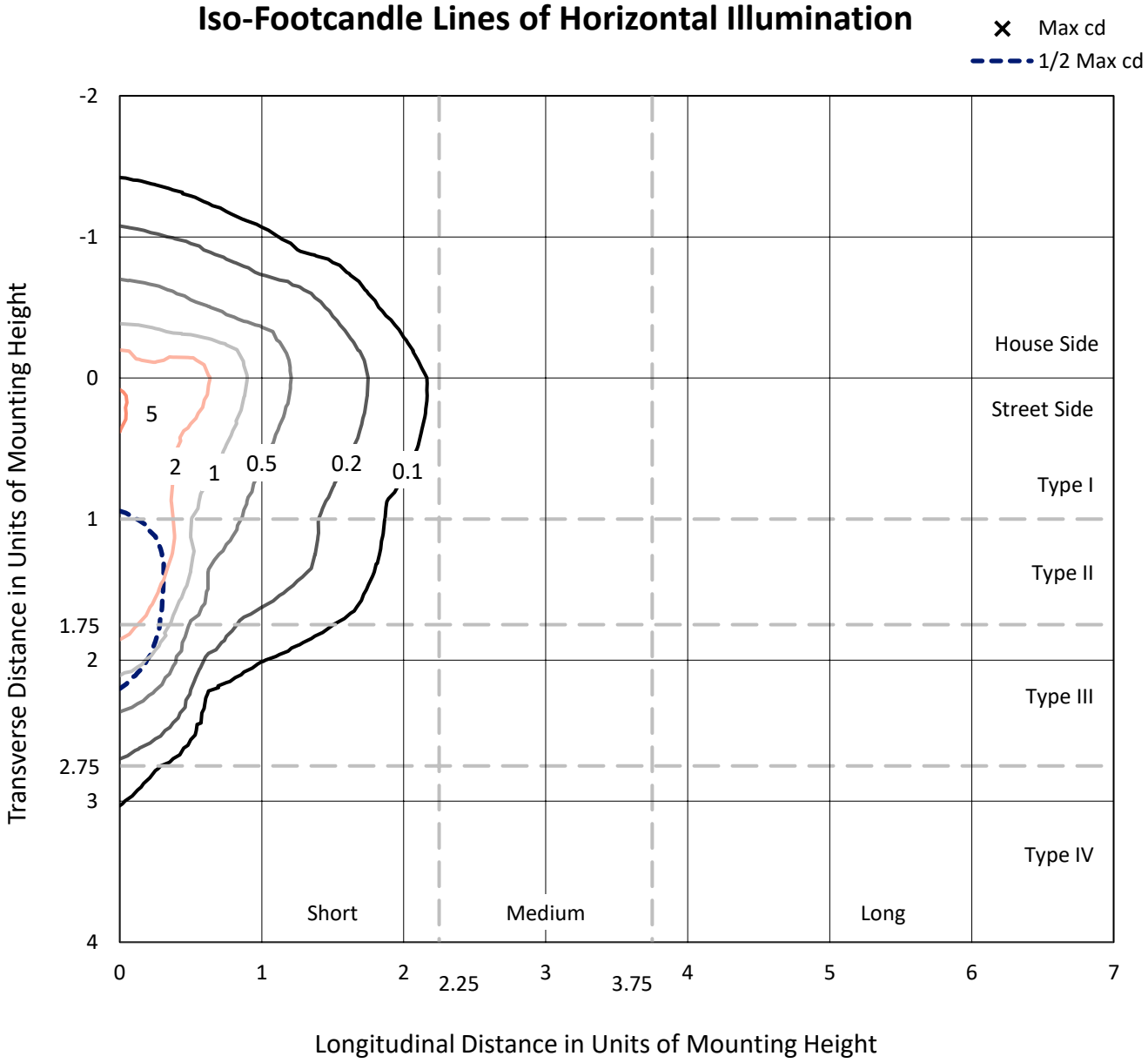
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



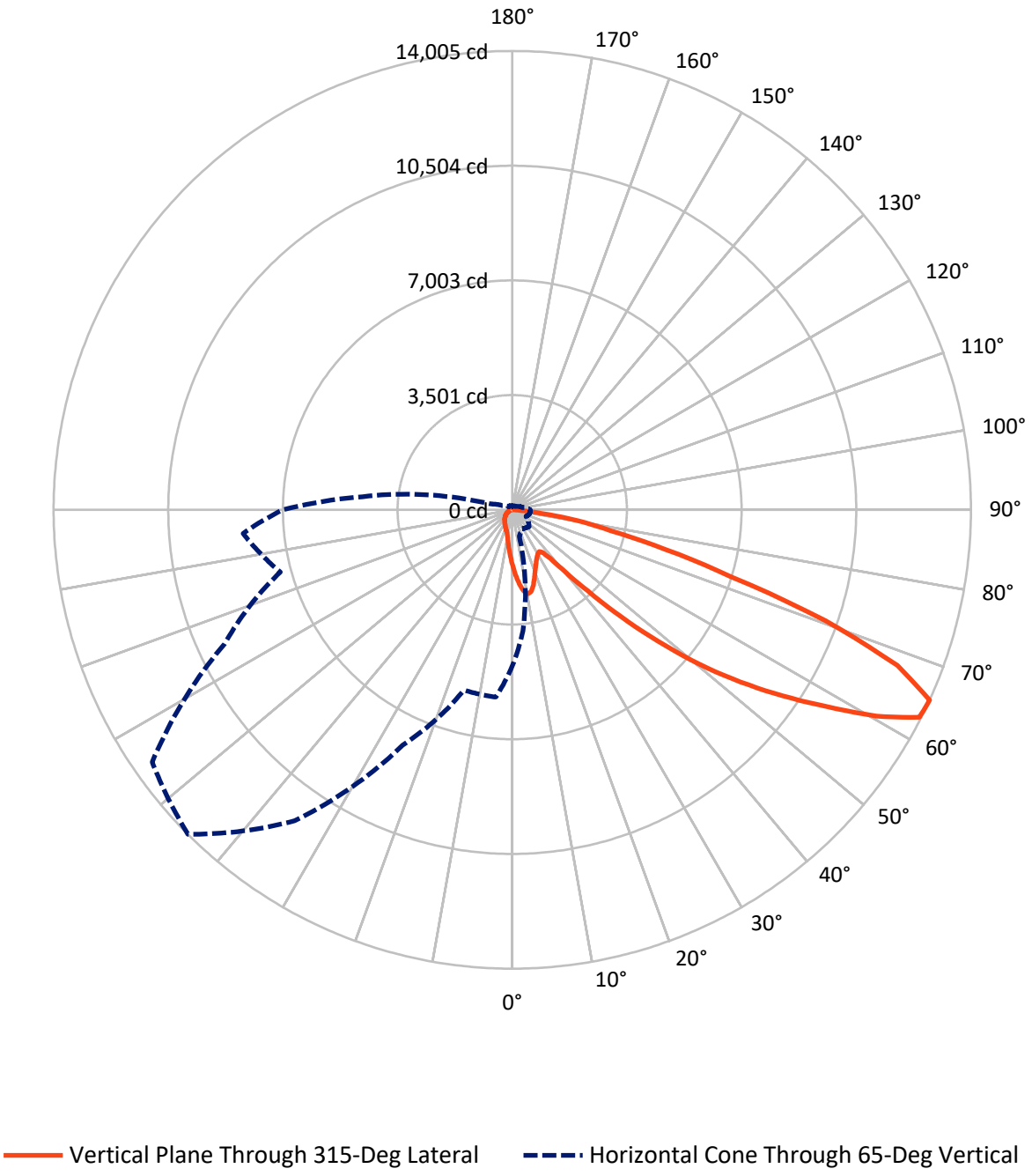
Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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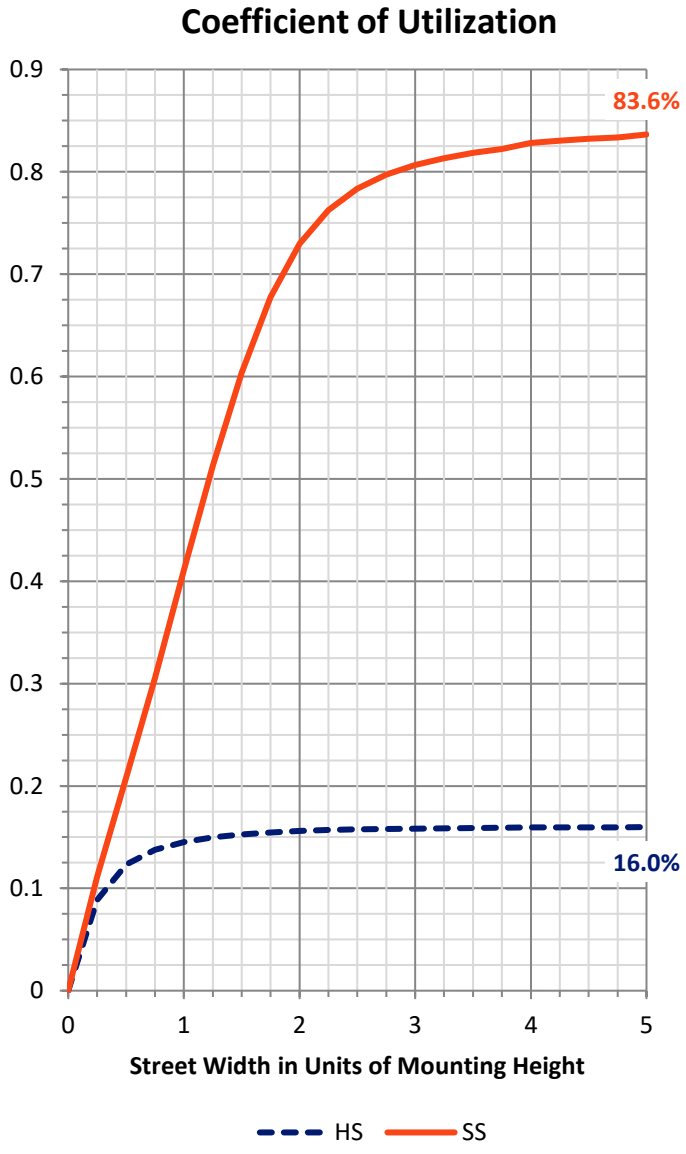
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.1	0.0	1593.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	8262.1	0.0	8262.1
	% Fixture	83.8	0.0	83.8
Total	Lumens	9855.2	0.0	9855.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	1.7
10°-20°	452.8	4.6
20°-30°	648.6	6.6
30°-40°	813.5	8.3
40°-50°	1336.4	13.6
50°-60°	2411.6	24.5
60°-70°	2676.4	27.2
70°-80°	1209.2	12.3
80°-90°	143.0	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°	9855.2	100.0
0°-180°	9855.2	100.0



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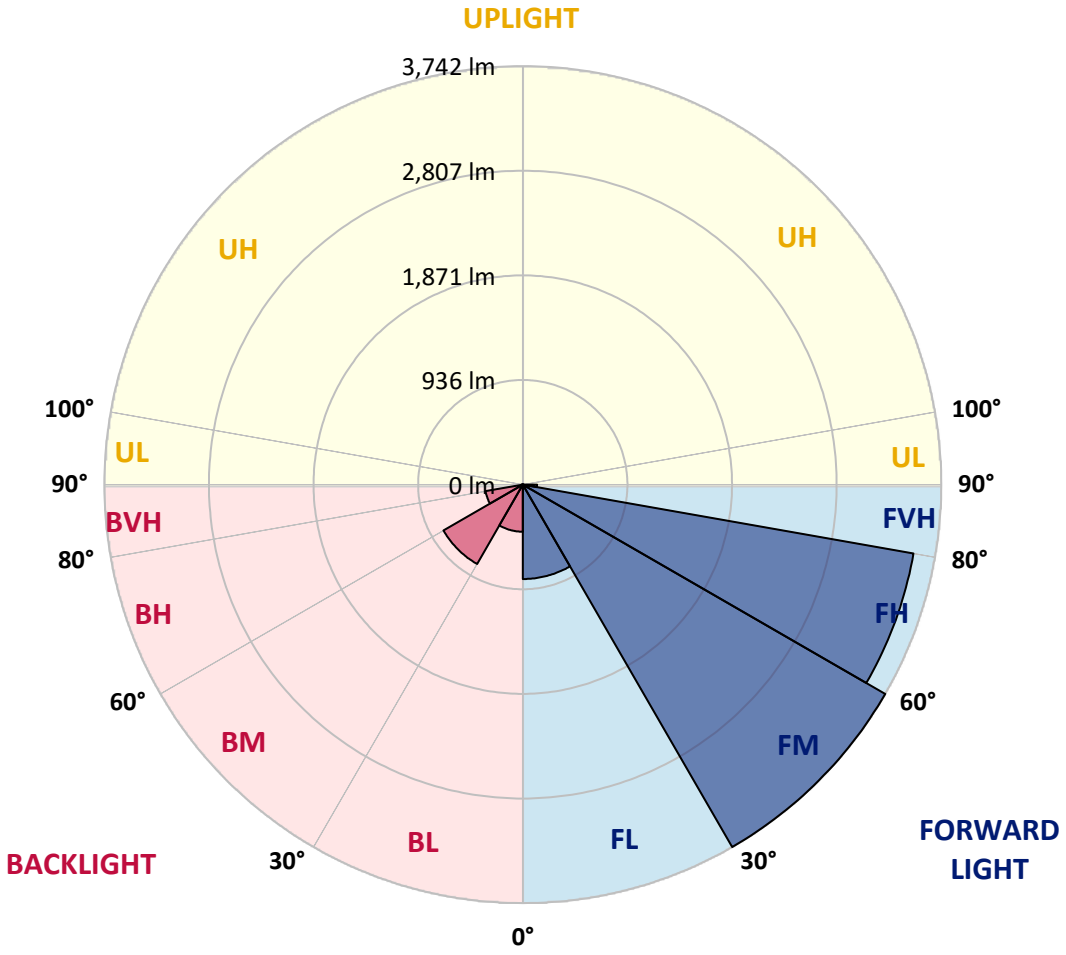
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	844.2	8.6			
FM	(30°-60°)	3742.3	38.0			
FH	(60°-80°)	3547.3	36.0			G2/5000
FVH	(80°-90°)	128.4	1.3			G2/225
BL	(0°-30°)	421.0	4.3	B1/500		
BM	(30°-60°)	819.2	8.3	B1/1000		
BH	(60°-80°)	338.3	3.4	B1/500		G1/500
BVH	(80°-90°)	14.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8
2.5°	1921.7	1919.8	1912.6	1867.2	1821.8	1782.5	1743.1	1703.8	1649.3	1606.9	1570.6
5°	2103.2	2093.5	2054.8	1985.2	1909.6	1843.0	1767.3	1694.7	1613.0	1546.4	1476.8
7.5°	2227.3	2217.6	2178.9	2063.9	1948.9	1867.2	1785.5	1709.8	1619.0	1531.3	1431.4
10°	2284.8	2273.9	2230.3	2106.3	1973.1	1873.2	1791.5	1721.9	1646.3	1558.5	1434.4
12.5°	2324.1	2310.8	2257.6	2115.3	1979.2	1879.3	1794.6	1728.0	1673.5	1622.1	1501.0
15°	2348.4	2336.3	2287.8	2139.5	1982.2	1870.2	1770.3	1706.8	1688.6	1697.7	1640.2
17.5°	2384.7	2373.2	2327.2	2169.8	2000.3	1855.1	1718.9	1649.3	1688.6	1770.3	1788.5
20°	2433.1	2421.0	2372.6	2209.1	2015.5	1809.7	1622.1	1555.5	1655.3	1791.5	1885.3
22.5°	2487.6	2477.9	2439.1	2254.5	2030.6	1743.1	1495.0	1464.7	1585.7	1731.0	1852.1
25°	2554.1	2545.1	2508.7	2318.1	2045.7	1652.3	1386.0	1392.1	1495.0	1610.0	1734.0
27.5°	2644.9	2636.5	2602.6	2396.8	2063.9	1558.5	1298.3	1328.5	1404.2	1482.9	1558.5
30°	2744.8	2738.1	2711.5	2490.6	2100.2	1470.7	1246.8	1265.0	1316.4	1380.0	1425.4
32.5°	2881.0	2870.1	2826.5	2578.3	2097.2	1404.2	1222.6	1204.4	1219.6	1271.0	1316.4
35°	3050.4	3042.0	3008.1	2669.1	2042.7	1343.6	1210.5	1146.9	1137.9	1168.1	1213.5
37.5°	3298.6	3291.3	3262.3	2817.4	1958.0	1268.0	1180.2	1086.4	1056.2	1077.3	1107.6
40°	3670.8	3652.1	3577.0	2986.9	1864.2	1192.3	1125.8	1013.8	971.4	986.6	1019.8
42.5°	4176.2	4140.5	3997.7	3213.9	1737.1	1119.7	1044.0	941.2	895.8	904.8	935.1
45°	4823.8	4769.9	4554.5	3525.6	1603.9	1062.2	959.3	865.5	817.1	826.2	859.4
47.5°	5580.4	5506.5	5211.2	3852.4	1461.7	1028.9	892.7	789.8	753.5	774.7	808.0
50°	6473.1	6398.7	6100.9	4061.2	1346.7	1007.7	841.3	720.2	705.1	732.3	759.6
52.5°	7447.6	7341.6	6918.0	3928.0	1252.9	989.6	823.1	671.8	677.9	699.1	726.3
55°	8394.8	8159.3	7217.6	3486.2	1131.8	968.4	835.2	635.5	650.6	677.9	699.1
57.5°	9012.1	8603.0	6966.4	2808.3	1004.7	944.2	844.3	617.4	629.5	659.7	683.9
60°	8473.4	8061.9	6415.6	2103.2	895.8	892.7	829.2	611.3	593.1	635.5	656.7
62.5°	6942.2	6603.2	5247.5	1343.6	792.9	795.9	795.9	608.3	532.6	587.1	605.2
65°	*4769.3*	*4557.5*	*3710.2*	*832.2*	*647.6*	*677.9*	*723.3*	*590.1*	*469.1*	*532.6*	*550.8*
67.5°	3135.2	2979.6	2357.4	514.5	499.3	556.8	626.4	553.8	420.6	478.1	490.2
70°	1700.7	1582.7	1110.6	338.9	326.8	435.8	493.3	469.1	378.3	426.7	438.8
72.5°	1122.7	1025.9	638.5	239.1	239.1	342.0	345.0	384.3	338.9	378.3	390.4
75°	844.3	757.8	411.6	166.4	184.6	217.9	269.3	275.4	284.5	320.8	335.9
77.5°	387.4	340.1	151.3	99.9	136.2	151.3	205.8	175.5	211.8	239.1	245.1
80°	223.9	196.1	84.7	66.6	87.8	96.8	169.5	102.9	127.1	169.5	178.5
82.5°	93.8	83.5	42.4	45.4	54.5	57.5	93.8	72.6	81.7	112.0	108.9
85°	27.2	27.2	27.2	30.3	33.3	33.3	54.5	51.4	48.4	51.4	51.4
87.5°	18.2	18.2	18.2	18.2	21.2	21.2	24.2	27.2	30.3	30.3	30.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8
2.5°	1555.5	1534.3	1507.1	1467.7	1461.7	1440.5	1425.4	1440.5	1455.6	1482.9	1485.9
5°	1440.5	1407.2	1343.6	1295.2	1240.8	1213.5	1210.5	1204.4	1222.6	1261.9	1286.1
7.5°	1376.9	1322.5	1207.5	1122.7	1047.1	1019.8	998.7	1016.8	1013.8	1065.2	1086.4
10°	1361.8	1277.1	1116.7	989.6	895.8	859.4	838.3	835.2	841.3	871.6	892.7
12.5°	1416.3	1307.3	1080.4	892.7	783.8	744.5	720.2	699.1	699.1	705.1	732.3
15°	1537.3	1407.2	1101.5	847.3	729.3	677.9	638.5	611.3	590.1	593.1	596.2
17.5°	1706.8	1552.5	1156.0	832.2	696.0	641.6	593.1	565.9	541.7	535.6	535.6
20°	1839.9	1691.7	1198.4	820.1	668.8	599.2	556.8	532.6	511.4	502.4	502.4
22.5°	1855.1	1749.2	1234.7	805.0	635.5	556.8	517.5	496.3	481.2	478.1	478.1
25°	1755.2	1703.8	1222.6	786.8	602.2	517.5	487.2	469.1	453.9	450.9	453.9
27.5°	1588.8	1561.5	1180.2	762.6	575.0	487.2	460.0	444.9	429.7	426.7	429.7
30°	1440.5	1410.2	1107.6	723.3	553.8	463.0	432.8	417.6	402.5	402.5	405.5
32.5°	1319.4	1289.2	1035.0	677.9	526.6	435.8	408.5	393.4	378.3	378.3	384.3
35°	1210.5	1186.3	977.5	632.5	499.3	411.6	381.3	369.2	357.1	354.1	360.1
37.5°	1116.7	1104.6	926.0	584.1	472.1	387.4	360.1	348.0	332.9	329.9	335.9
40°	1025.9	1019.8	868.5	541.7	438.8	363.1	335.9	323.8	305.6	305.6	311.7
42.5°	941.2	938.1	817.1	514.5	408.5	338.9	308.7	296.6	281.4	281.4	287.5
45°	874.6	871.6	768.7	499.3	378.3	311.7	284.5	269.3	257.2	260.3	266.3
47.5°	814.1	808.0	717.2	502.4	363.1	293.5	257.2	242.1	233.0	239.1	248.2
50°	765.6	759.6	680.9	505.4	338.9	269.3	236.0	220.9	214.9	223.9	233.0
52.5°	735.4	729.3	644.6	487.2	308.7	251.2	214.9	205.8	205.8	214.9	220.9
55°	705.1	699.1	584.1	447.9	275.4	233.0	199.7	193.7	193.7	202.8	208.8
57.5°	687.0	674.8	520.5	402.5	248.2	211.8	184.6	184.6	184.6	187.6	190.7
60°	659.7	629.5	453.9	345.0	227.0	190.7	172.5	169.5	169.5	166.4	169.5
62.5°	602.2	550.8	381.3	293.5	202.8	172.5	157.4	154.3	145.3	136.2	139.2
65°	*544.7*	*466.0*	*302.6*	*245.1*	*175.5*	*148.3*	*139.2*	*136.2*	*121.0*	*108.9*	*112.0*
67.5°	472.1	372.2	227.0	205.8	151.3	127.1	118.0	118.0	108.9	99.9	99.9
70°	420.6	290.5	190.7	154.3	121.0	99.9	99.9	105.9	96.8	84.7	84.7
72.5°	372.2	236.0	154.3	124.1	93.8	78.7	84.7	87.8	78.7	69.6	69.6
75°	317.8	184.6	121.0	96.8	69.6	60.5	63.6	69.6	63.6	54.5	57.5
77.5°	230.0	127.1	81.7	63.6	51.4	45.4	48.4	48.4	45.4	42.4	42.4
80°	160.4	84.7	54.5	42.4	36.3	33.3	33.3	30.3	30.3	33.3	33.3
82.5°	96.8	60.5	39.3	33.3	27.2	21.2	21.2	24.2	24.2	27.2	27.2
85°	42.4	36.3	27.2	24.2	18.2	15.1	18.2	18.2	21.2	24.2	24.2
87.5°	27.2	27.2	21.2	18.2	15.1	12.1	12.1	15.1	15.1	18.2	21.2
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°	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8
2.5°	1498.0	1528.2	1564.6	1616.0	1661.4	1715.9	1770.3	1821.8	1870.2	1876.3	1897.4
5°	1304.3	1361.8	1434.4	1519.2	1622.1	1731.0	1836.9	1948.9	2039.7	2073.0	2121.4
7.5°	1104.6	1177.2	1283.1	1413.2	1558.5	1721.9	1885.3	2042.7	2178.9	2242.4	2306.0
10°	913.9	983.5	1113.7	1271.0	1458.6	1679.6	1897.4	2109.3	2275.7	2348.4	2408.9
12.5°	741.4	811.0	916.9	1098.5	1325.5	1591.8	1879.3	2133.5	2318.1	2393.7	2451.2
15°	605.2	662.7	762.6	932.1	1171.2	1470.7	1815.7	2115.3	2327.2	2399.8	2442.2
17.5°	532.6	547.7	611.3	765.6	1025.9	1361.8	1734.0	2091.1	2333.2	2399.8	2424.0
20°	502.4	502.4	514.5	596.2	850.4	1246.8	1673.5	2076.0	2342.3	2408.9	2405.9
22.5°	475.1	481.2	481.2	499.3	647.6	1086.4	1610.0	2069.9	2369.5	2421.0	2378.6
25°	450.9	460.0	460.0	466.0	508.4	895.8	1531.3	2082.0	2418.0	2445.2	2360.5
27.5°	429.7	438.8	438.8	444.9	453.9	665.8	1401.1	2085.1	2472.4	2475.5	2336.3
30°	408.5	417.6	423.7	423.7	429.7	490.2	1237.7	2066.9	2533.0	2514.8	2333.2
32.5°	384.3	396.4	399.5	405.5	408.5	426.7	1025.9	2036.7	2608.6	2569.3	2336.3
35°	363.1	378.3	381.3	381.3	387.4	405.5	820.1	2003.4	2711.5	2641.9	2348.4
37.5°	342.0	354.1	357.1	360.1	366.2	384.3	650.6	1954.9	2799.3	2732.7	2408.9
40°	317.8	332.9	335.9	338.9	345.0	363.1	559.9	1894.4	2932.4	2884.0	2499.7
42.5°	293.5	308.7	314.7	317.8	320.8	345.0	511.4	1852.1	3147.3	3095.8	2684.3
45°	272.4	287.5	293.5	293.5	299.6	332.9	469.1	1945.9	3443.9	3419.6	2932.4
47.5°	254.2	269.3	272.4	272.4	275.4	314.7	432.8	2197.0	3897.8	3834.2	3319.8
50°	239.1	251.2	257.2	251.2	254.2	299.6	453.9	2611.6	4478.8	4500.0	3888.7
52.5°	227.0	239.1	242.1	230.0	230.0	278.4	481.2	2950.6	5220.2	5413.9	4790.5
55°	211.8	223.9	227.0	211.8	211.8	245.1	417.6	2971.8	6064.6	6688.0	5964.7
57.5°	196.7	208.8	208.8	196.7	193.7	211.8	338.9	2635.8	6718.2	8131.5	7571.6
60°	178.5	190.7	187.6	181.6	175.5	193.7	311.7	2009.4	6630.5	9072.6	9414.6
62.5°	145.3	163.4	169.5	166.4	154.3	175.5	290.5	1310.4	5737.7	8255.6	9357.1
65°	*121.0*	*136.2*	*145.3*	*145.3*	*136.2*	*193.7*	*254.2*	*690.0*	*4593.8*	*7005.7*	*8249.5*
67.5°	105.9	121.0	127.1	124.1	118.0	172.5	160.4	332.9	3522.5	6037.3	7384.0
70°	93.8	105.9	112.0	102.9	96.8	139.2	115.0	196.7	2357.4	5038.7	6576.0
72.5°	75.7	87.8	93.8	84.7	75.7	102.9	87.8	130.1	1534.3	4294.2	5843.7
75°	60.5	72.6	75.7	69.6	60.5	75.7	69.6	90.8	1001.7	3552.8	4969.1
77.5°	45.4	51.4	57.5	54.5	45.4	54.5	48.4	63.6	572.0	2493.6	3486.2
80°	36.3	39.3	39.3	39.3	36.3	33.3	33.3	42.4	257.2	1228.6	1818.8
82.5°	30.3	33.3	33.3	30.3	27.2	24.2	21.2	24.2	75.7	550.8	838.3
85°	27.2	30.3	24.2	21.2	18.2	15.1	9.1	9.1	21.2	87.8	163.4
87.5°	21.2	18.2	15.1	12.1	6.1	3.0	3.0	0.0	3.0	3.0	3.0
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: P1364536
CATALOG NUMBER: GSS-SB3B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8	1703.8
2.5°	1930.7	1961.0	1982.2	2000.3	1994.3	1979.2	1948.9	1927.7	1922.9	1921.7
5°	2184.9	2233.4	2275.7	2269.7	2275.7	2230.3	2184.9	2130.5	2108.7	2103.2
7.5°	2396.8	2457.3	2508.7	2502.7	2484.5	2433.1	2357.4	2275.7	2237.0	2227.3
10°	2511.8	2581.4	2623.7	2608.6	2578.3	2511.8	2436.1	2339.3	2295.7	2284.8
12.5°	2533.0	2578.3	2569.3	2563.2	2557.2	2523.9	2466.4	2378.6	2335.0	2324.1
15°	2478.5	2460.3	2408.9	2396.8	2442.2	2484.5	2472.4	2399.8	2358.6	2348.4
17.5°	2387.7	2293.9	2200.1	2188.0	2263.6	2381.6	2475.5	2433.1	2394.4	2384.7
20°	2287.8	2112.3	2009.4	1988.2	2082.0	2257.6	2442.2	2466.4	2439.7	2433.1
22.5°	2169.8	1964.0	1855.1	1843.0	1912.6	2118.4	2393.7	2502.7	2490.6	2487.6
25°	2066.9	1833.9	1731.0	1712.8	1803.6	2003.4	2345.3	2563.2	2556.0	2554.1
27.5°	1982.2	1740.1	1631.1	1619.0	1706.8	1906.5	2284.8	2614.7	2638.9	2644.9
30°	1915.6	1670.5	1561.5	1546.4	1643.2	1839.9	2242.4	2687.3	2733.3	2744.8
32.5°	1864.2	1631.1	1528.2	1519.2	1622.1	1812.7	2218.2	2762.9	2857.4	2881.0
35°	1846.0	1643.2	1573.6	1594.8	1673.5	1839.9	2236.4	2887.0	3017.8	3050.4
37.5°	1885.3	1776.4	1824.8	1879.3	1909.6	1970.1	2321.1	3086.8	3256.2	3298.6
40°	2012.4	2133.5	2360.5	2466.4	2454.3	2315.1	2514.8	3368.2	3610.3	3670.8
42.5°	2336.3	2729.7	3210.8	3389.4	3286.5	2865.8	2823.5	3831.2	4107.2	4176.2
45°	2817.4	3449.9	4239.7	4642.2	4288.2	3564.9	3310.7	4490.9	4757.2	4823.8
47.5°	3298.6	4254.9	5510.8	5988.9	5292.9	4257.9	3949.2	5280.8	5520.5	5580.4
50°	3788.8	5144.6	6778.8	7417.3	6294.6	4963.0	4627.1	6255.2	6429.5	6473.1
52.5°	4294.2	5940.5	8176.9	8727.7	7341.6	5507.7	5401.8	7317.4	7421.5	7447.6
55°	4857.1	6694.0	9578.0	10022.9	8294.9	5982.9	6309.7	8428.1	8401.4	8394.8
57.5°	5607.6	7486.9	10706.8	11327.2	9160.4	6624.4	7523.2	9662.8	9142.2	9012.1
60°	6918.0	8718.6	12111.0	12785.8	10319.4	7562.6	8415.9	9635.5	8705.9	8473.4
62.5°	8437.1	9904.9	13382.0	13950.9	11539.0	8494.6	7704.8	8092.1	7172.2	6942.2
65°	7329.5	9696.0	13421.3	14005.4	11584.4	7925.7	5695.4	5737.7	4963.0	4769.3
67.5°	6237.1	8594.5	12222.9	12682.9	10334.6	6551.8	3776.7	3743.4	3256.8	3135.2
70°	5553.1	7529.3	10534.3	10137.9	8688.3	5538.0	2508.7	2079.0	1776.4	1700.7
72.5°	4990.3	5973.8	8537.0	6987.6	7208.5	4506.1	1594.8	1416.3	1181.4	1122.7
75°	4518.2	4941.8	5326.2	4829.9	5120.4	3713.2	1352.7	1092.5	893.9	844.3
77.5°	3595.2	3846.3	3153.3	3062.5	3586.1	2641.9	671.8	460.0	401.9	387.4
80°	2139.5	1818.8	1788.5	2039.7	2387.7	1370.9	411.6	254.2	230.0	223.9
82.5°	1295.2	656.7	714.2	901.8	1271.0	623.4	245.1	108.9	96.8	93.8
85°	217.9	178.5	275.4	263.3	248.2	133.2	66.6	30.3	27.8	27.2
87.5°	6.1	9.1	12.1	15.1	15.1	15.1	15.1	15.1	17.6	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

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

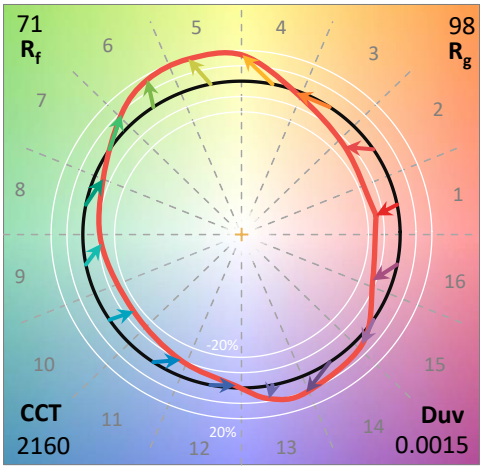
Test Information

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

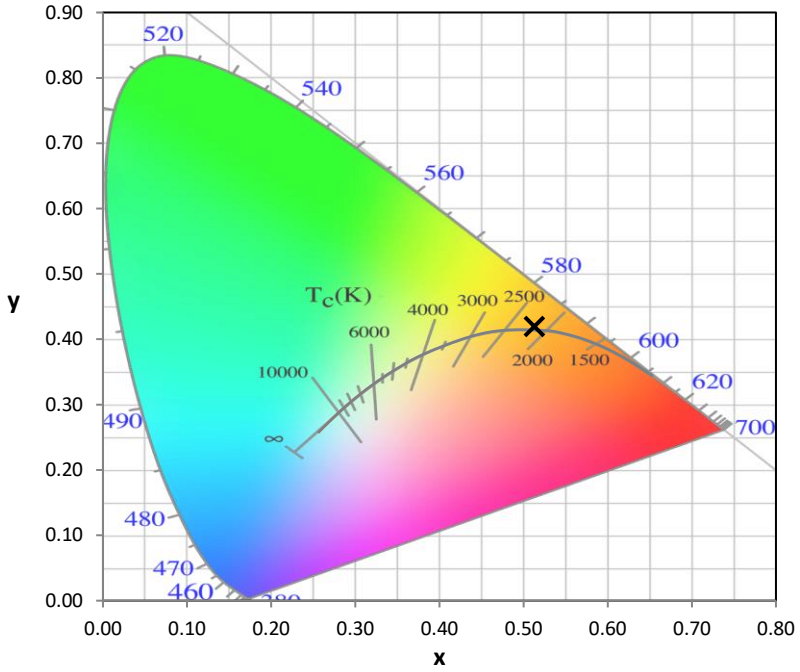
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

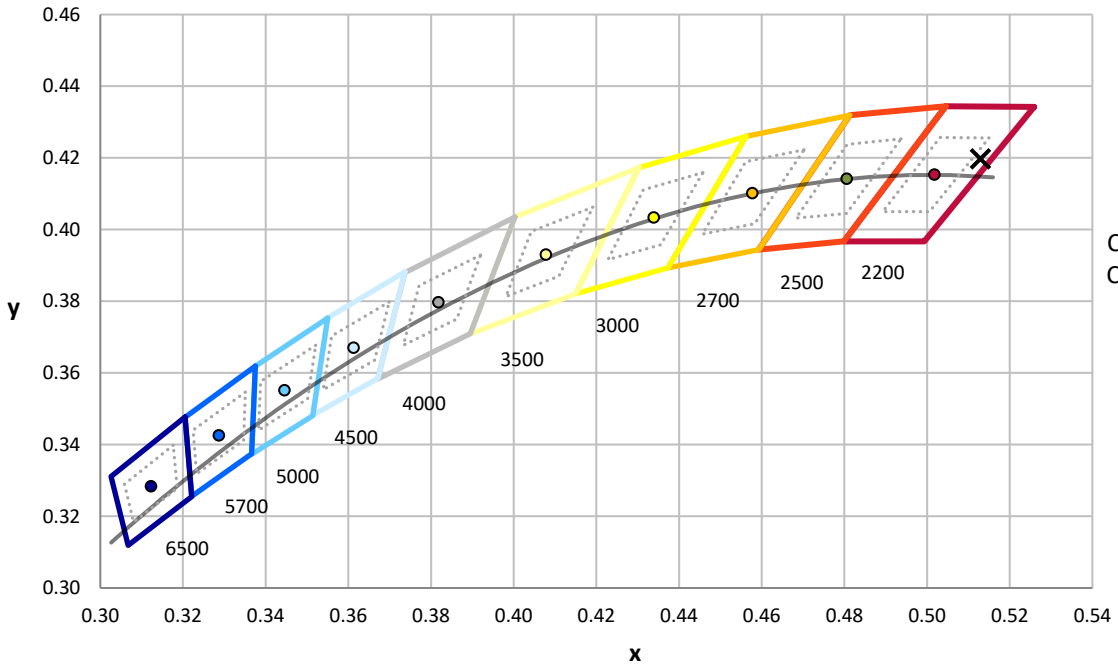
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

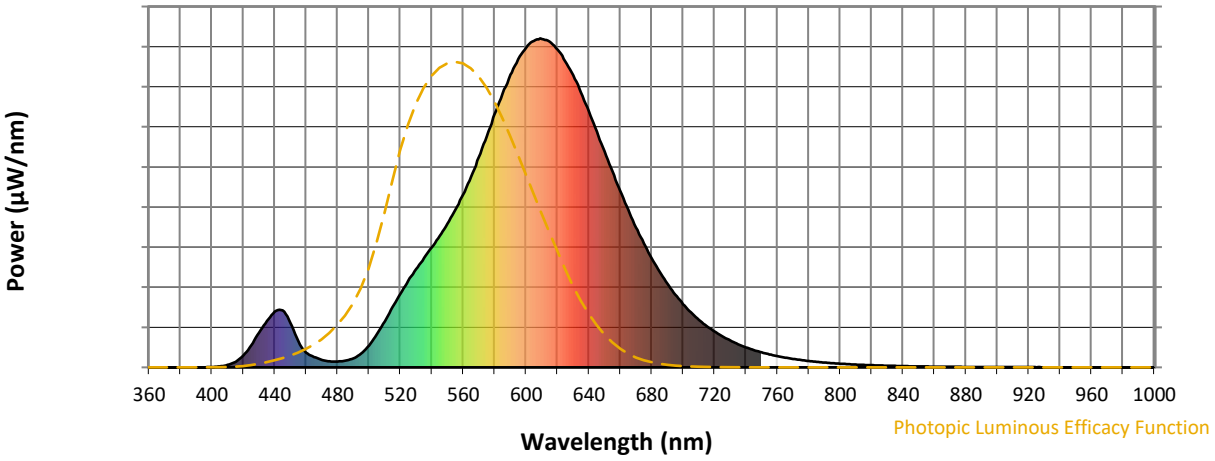


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

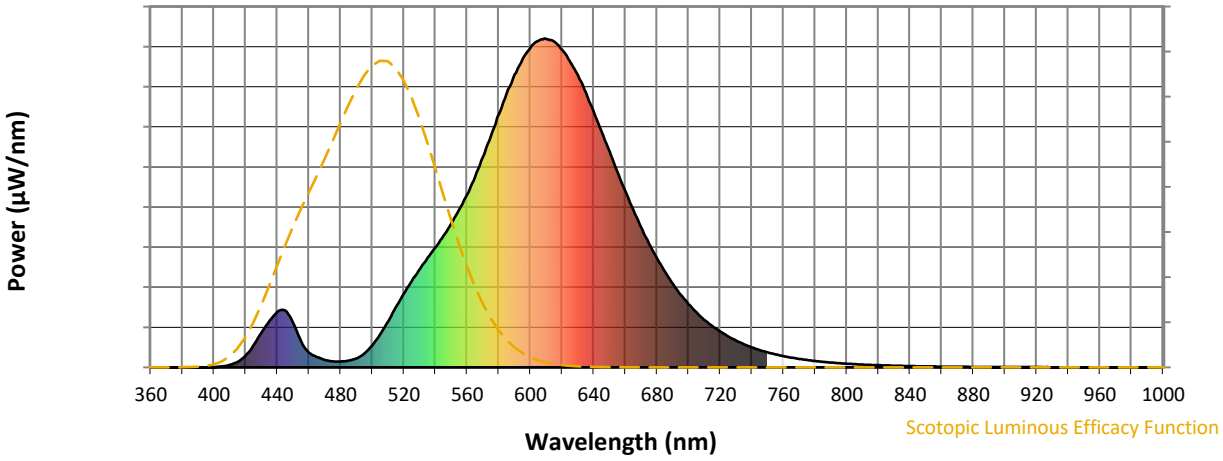


Photopic Lumens: NR

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

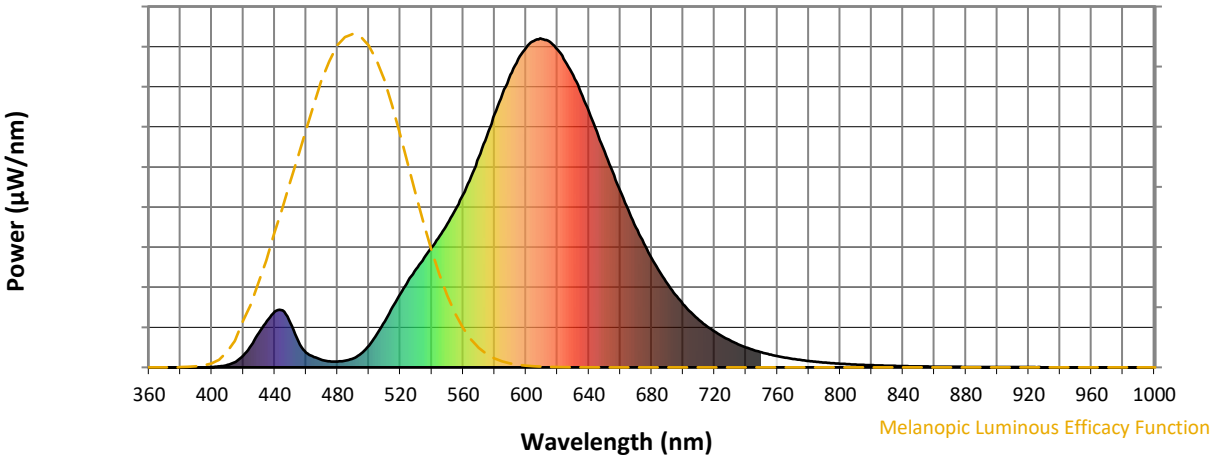


Scotopic Lumens: NR **S/P: 0.8**

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			

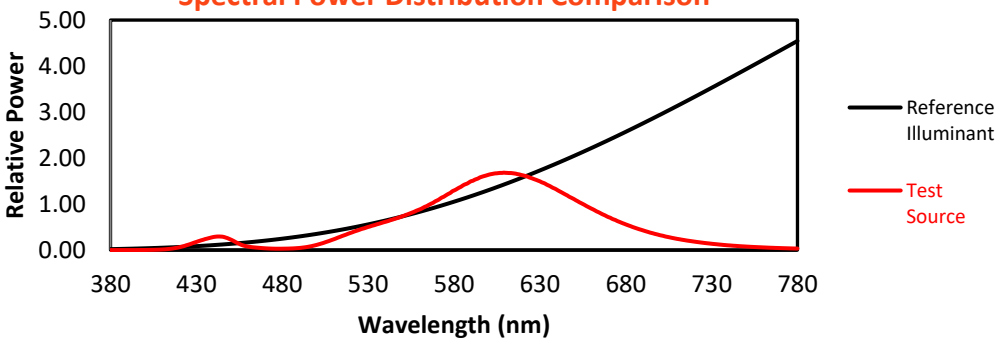
REPORT NUMBER: SP1-2407-184-2

TM-30-18

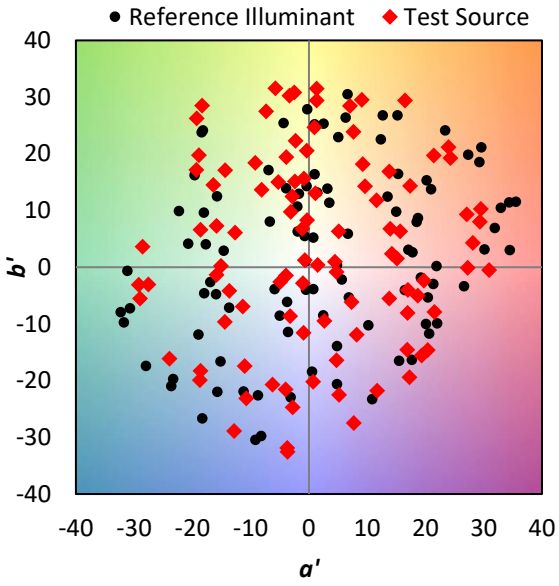
Summary

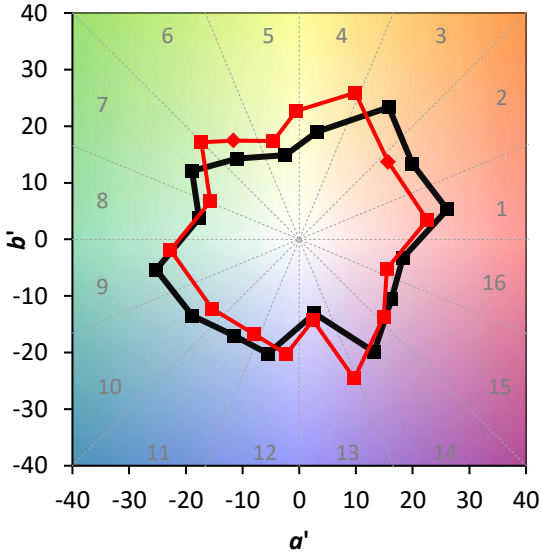
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

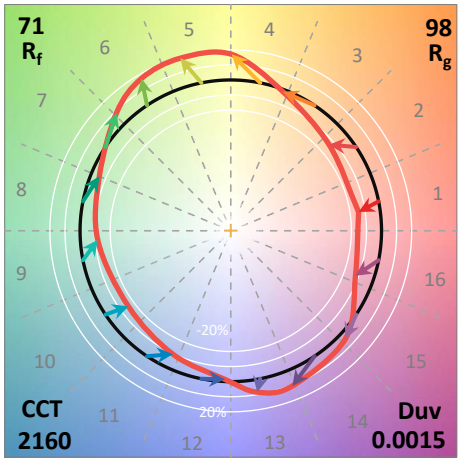
Spectral Power Distribution Comparison

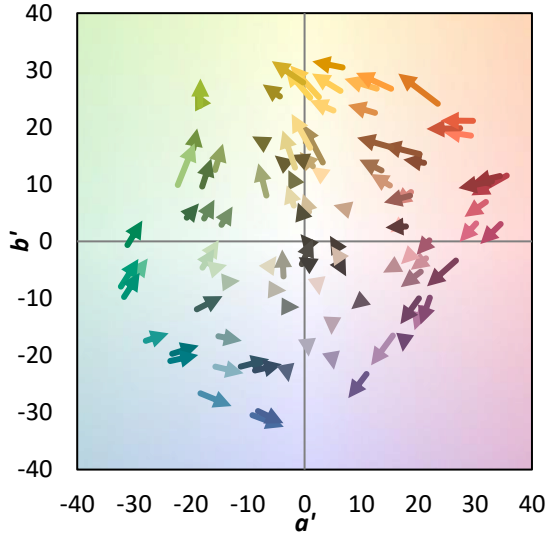


Color Vector Graphics







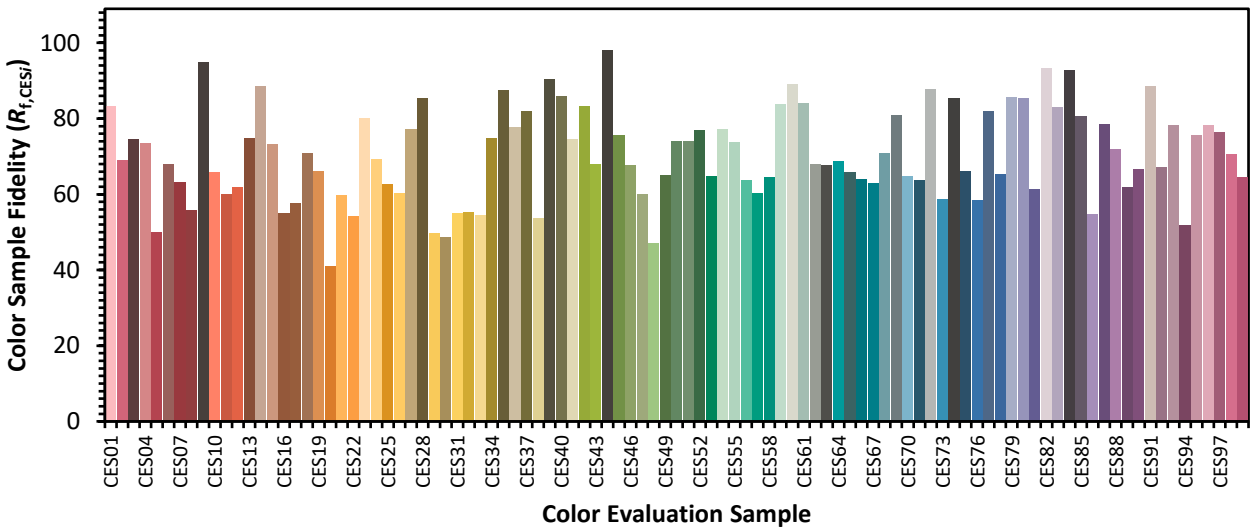


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

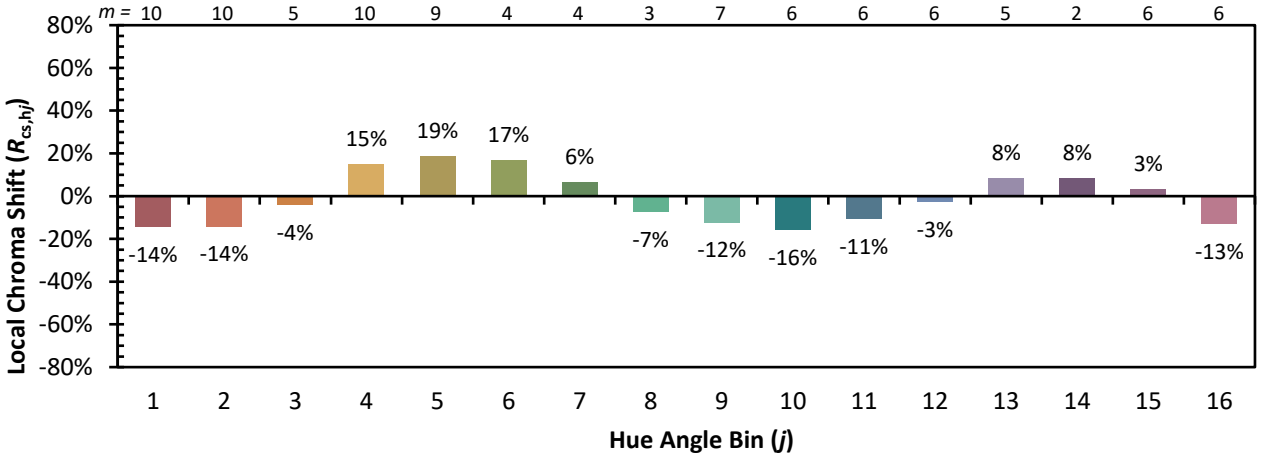
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

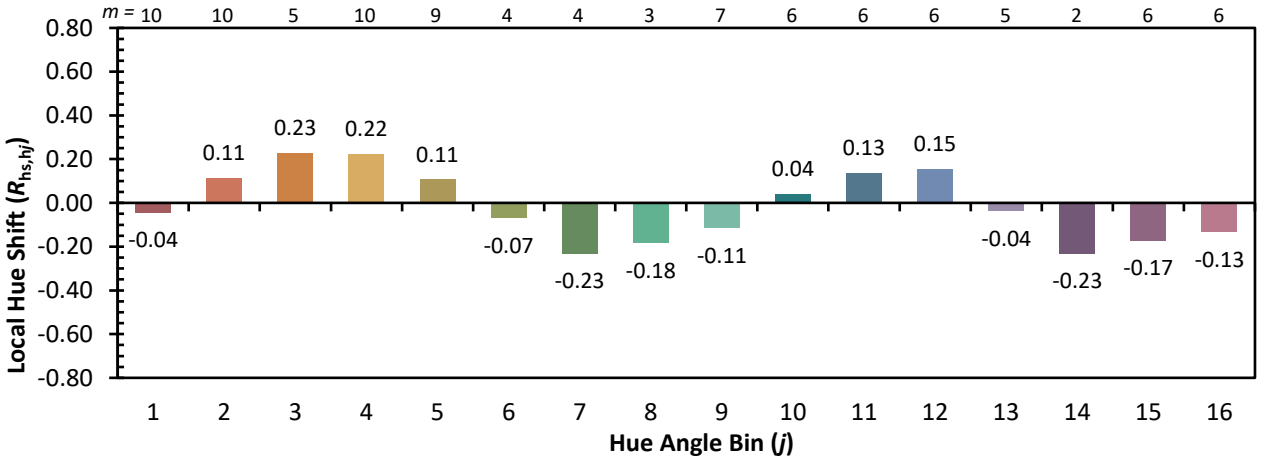


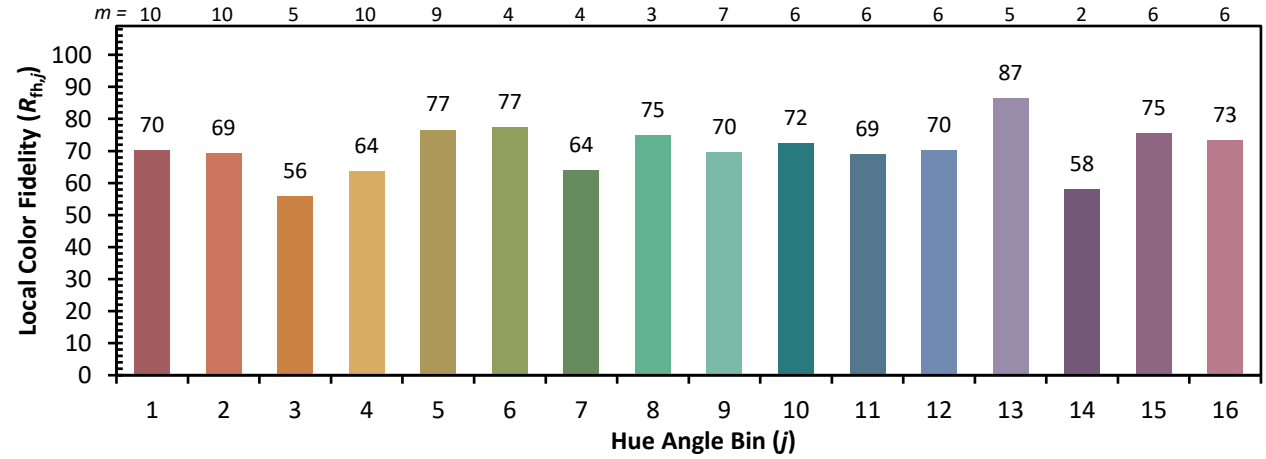
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Color Rendition by Hue-Angle Bin



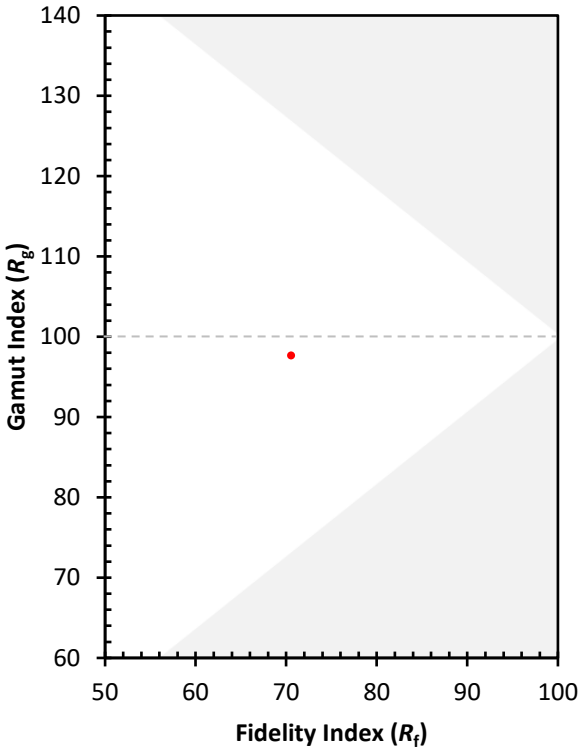


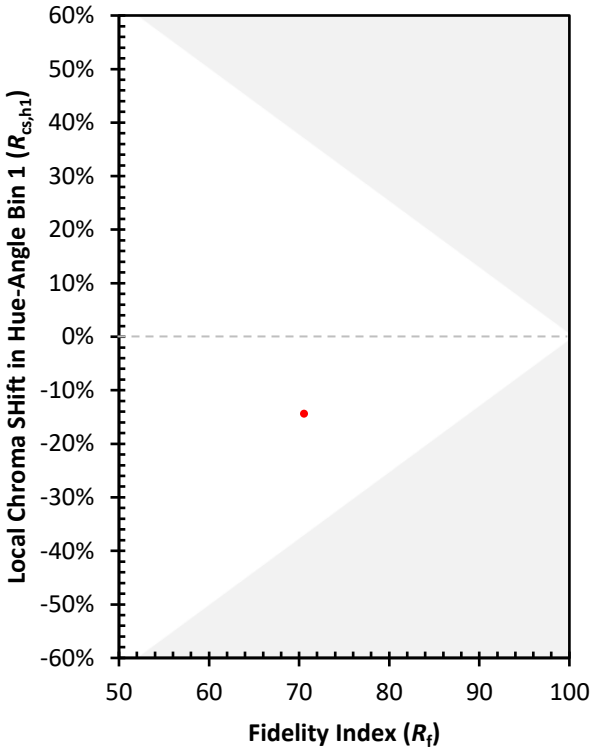


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Measure Comparisons





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