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: P1501835

Luminaire Tested: GSS-SB2C-750-U-T2LG-HSS

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:	P1501835
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-750-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11855.4 lumens
Efficiency:	N/A
Efficacy:	116.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

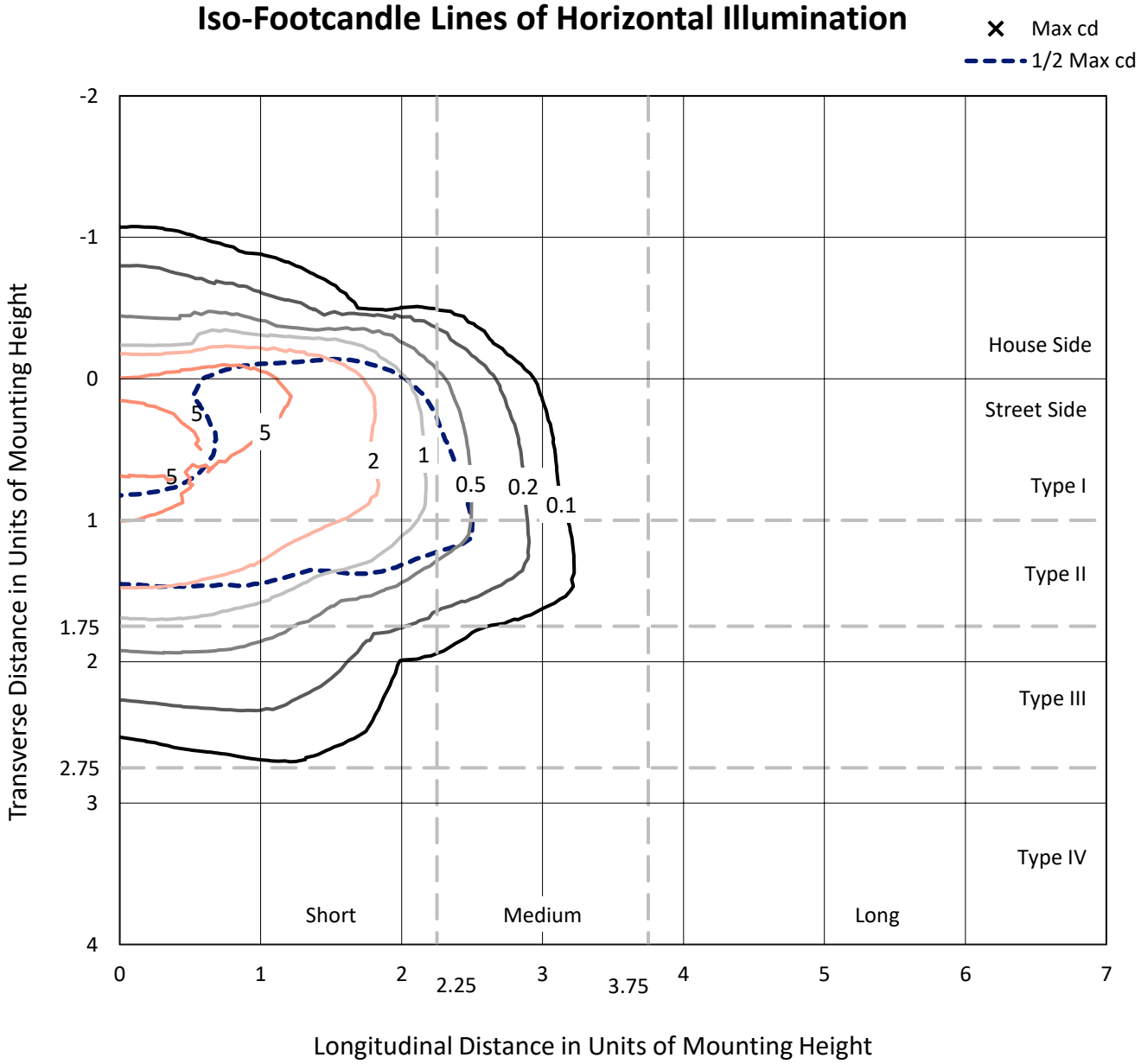
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



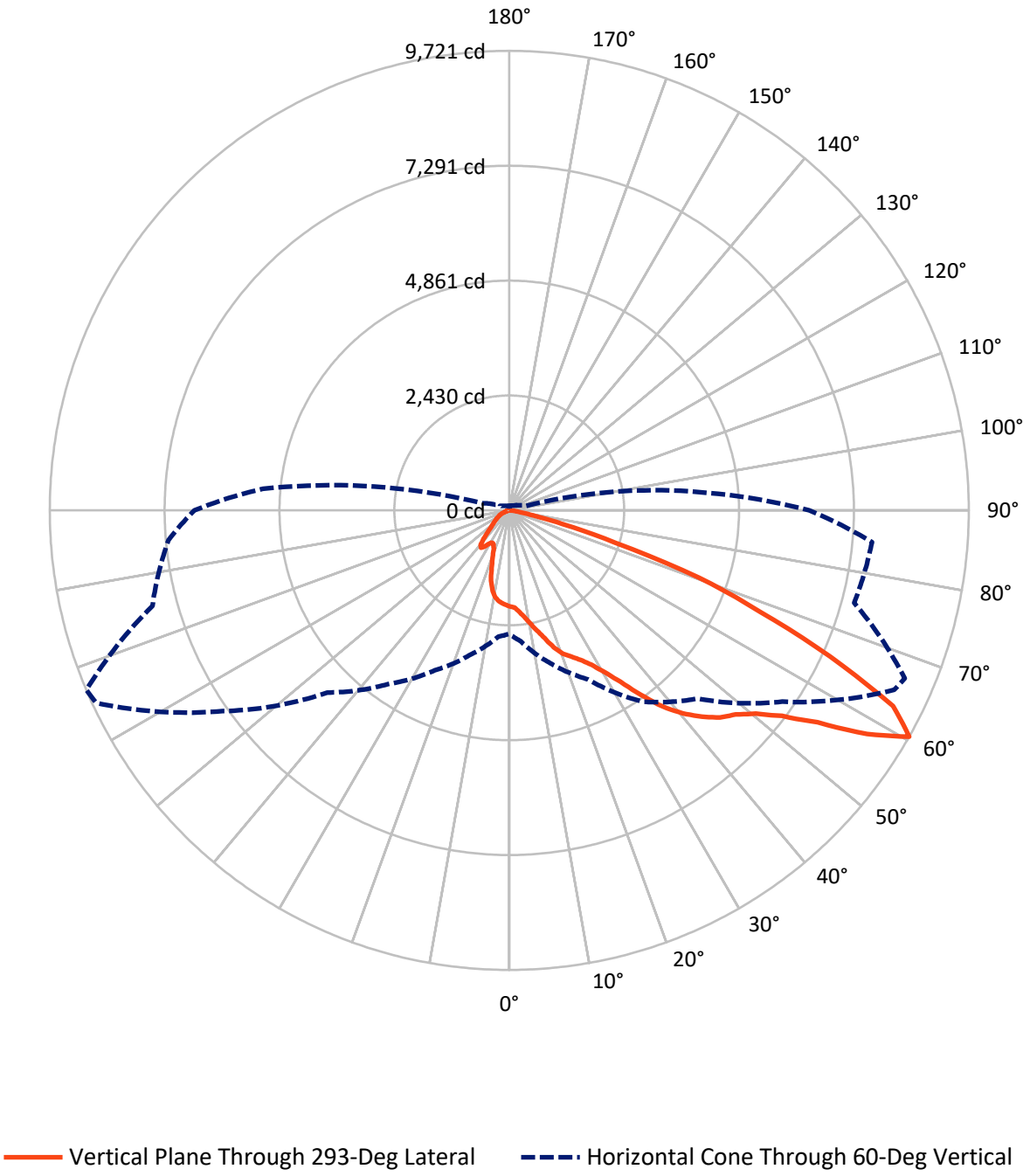
Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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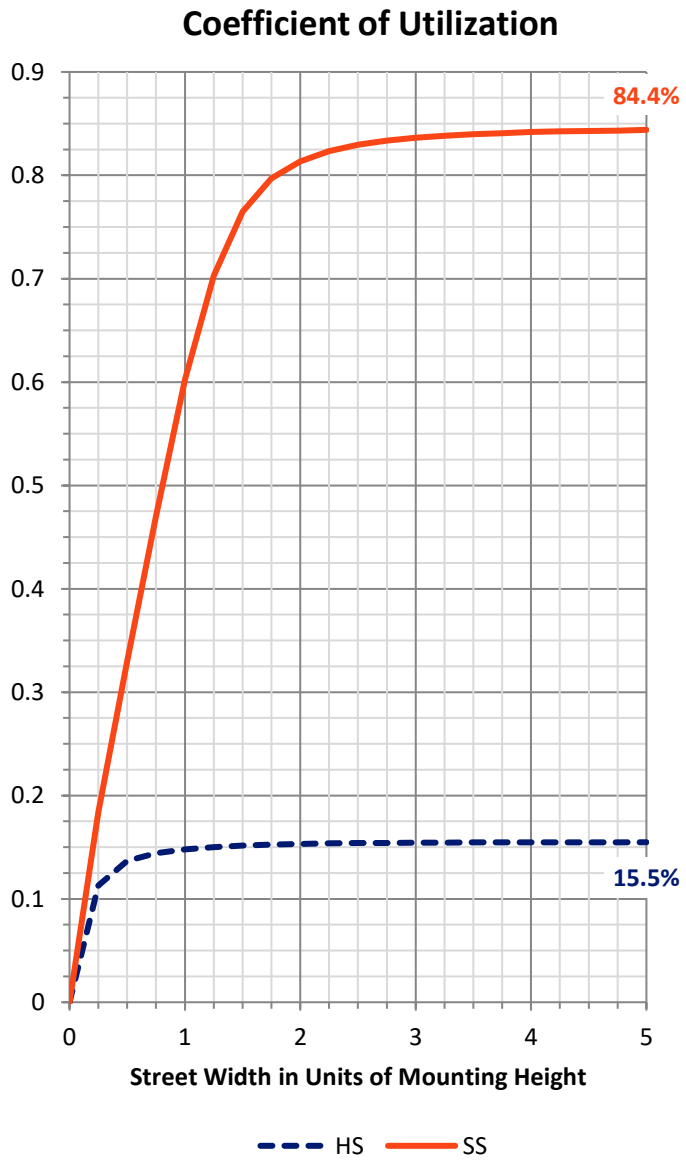
REPORT NUMBER: P1501835
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1849.7	0.0	1849.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	10005.7	0.0	10005.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	11855.4	0.0	11855.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.0	1.6
10°-20°	463.4	3.9
20°-30°	865.0	7.3
30°-40°	1715.4	14.5
40°-50°	2735.0	23.1
50°-60°	3267.7	27.6
60°-70°	2142.2	18.1
70°-80°	448.8	3.8
80°-90°	33.9	0.3
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°	11855.4	100.0
0°-180°	11855.4	100.0



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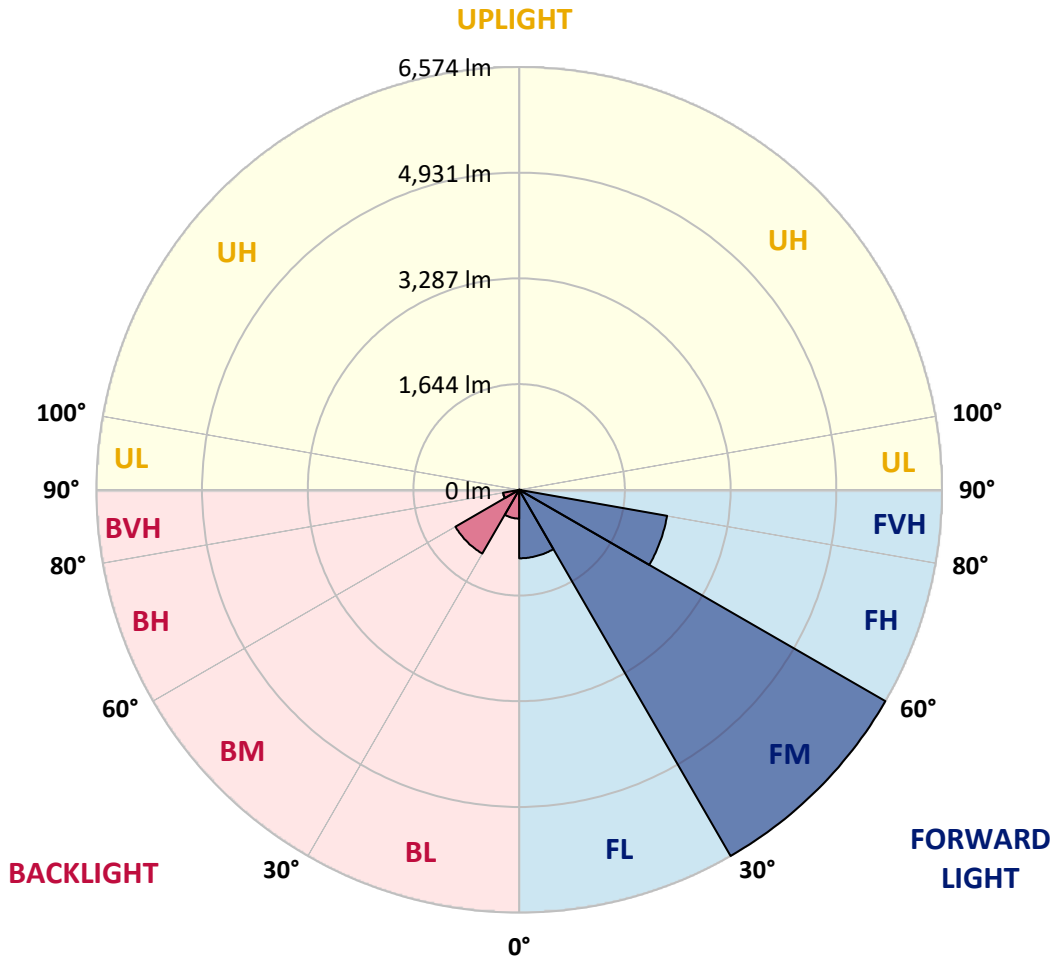
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1064.9	9.0			
FM	(30°-60°)	6574.3	55.5			
FH	(60°-80°)	2335.5	19.7			G2/5000
FVH	(80°-90°)	31.1	0.3			G1/100
BL	(0°-30°)	447.5	3.8	B1/500		
BM	(30°-60°)	1143.9	9.6	B2/2500		
BH	(60°-80°)	255.5	2.2	B1/500		G1/500
BVH	(80°-90°)	2.8	0.0			G0/10
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°	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9
2.5°	2134.8	2128.2	2118.2	2121.5	2118.2	2104.9	2085.0	2068.4	2081.7	2061.8	2048.5
5°	2197.9	2197.9	2191.3	2191.3	2194.6	2187.9	2174.7	2151.4	2154.7	2138.1	2095.0
7.5°	2197.9	2187.9	2204.5	2221.1	2251.0	2267.6	2274.3	2261.0	2267.6	2234.4	2178.0
10°	2068.4	2061.8	2104.9	2168.0	2254.4	2330.7	2380.5	2383.8	2393.8	2360.6	2294.2
12.5°	1792.9	1779.6	1865.9	1985.4	2161.4	2337.4	2476.8	2529.9	2553.2	2539.9	2446.9
15°	1537.2	1553.8	1613.6	1743.1	1978.8	2247.7	2529.9	2705.9	2739.1	2755.7	2646.1
17.5°	1510.6	1514.0	1533.9	1597.0	1776.3	2101.6	2536.6	2888.5	2935.0	3008.0	2858.6
20°	1583.7	1577.0	1597.0	1616.9	1703.2	1972.1	2473.5	3064.5	3154.1	3310.1	3147.5
22.5°	1719.8	1719.8	1729.8	1743.1	1786.2	1962.2	2446.9	3227.1	3379.9	3698.6	3509.4
25°	1948.9	1922.3	1929.0	1912.4	1948.9	2081.7	2506.7	3356.6	3565.8	4130.2	3941.0
27.5°	2304.2	2314.1	2254.4	2164.7	2184.6	2297.5	2652.8	3502.7	3758.4	4578.4	4379.2
30°	2795.5	2778.9	2742.4	2566.4	2486.8	2586.4	2921.7	3741.8	4017.3	5146.2	4963.6
32.5°	3180.7	3227.1	3164.1	3041.2	2918.4	2948.3	3300.2	4126.9	4332.7	5667.4	5567.8
35°	3645.5	3645.5	3658.8	3486.1	3403.1	3396.5	3775.0	4545.2	4751.1	6138.9	6208.6
37.5°	4273.0	4229.8	4156.8	3964.2	3901.1	3984.1	4219.9	4976.8	5199.3	6520.7	6706.6
40°	4800.9	4830.8	4820.8	4541.9	4419.1	4508.7	4717.9	5345.4	5518.0	6766.4	7108.3
42.5°	5318.8	5335.4	5292.2	5159.4	4980.2	4986.8	5159.4	5624.3	5800.2	7002.1	7486.8
45°	5707.3	5703.9	5674.1	5640.9	5534.6	5425.1	5454.9	5933.0	6085.8	7078.5	7692.7
47.5°	5830.1	5856.7	5883.2	5976.2	6049.2	5876.6	5723.9	6099.0	6238.5	7065.2	7769.0
50°	5717.2	5773.7	5903.1	6042.6	6291.6	6278.3	5949.6	6278.3	6414.4	7138.2	7858.7
52.5°	5464.9	5521.3	5694.0	5946.3	6321.5	6507.4	6368.0	6580.4	6739.8	7324.1	8044.6
55°	4877.2	4900.5	5255.7	5587.7	6172.1	6407.8	6816.2	7091.7	7224.5	7549.9	8290.3
57.5°	3970.8	4027.3	4375.9	4917.1	5753.7	6145.5	7071.8	7964.9	7961.6	7765.7	8343.4
60°	*2612.9*	*2778.9*	*3346.7*	*3944.3*	*4943.6*	*5630.9*	*7055.2*	*8987.5*	*9090.4*	*7553.2*	*7702.6*
62.5°	1995.4	2065.1	2387.2	2885.2	3658.8	4668.1	6945.7	9293.0	9372.7	6982.2	6743.1
65°	1500.7	1587.0	1895.8	2340.7	2583.0	3164.1	6228.5	8077.8	8187.4	6231.8	5242.4
67.5°	919.7	989.4	1401.1	1922.3	1955.5	1965.5	4203.3	6119.0	6158.8	5026.6	3529.3
70°	614.2	683.9	969.5	1477.4	1557.1	1132.2	2307.5	4631.5	4628.2	3439.6	2144.8
72.5°	355.3	388.5	614.2	1089.0	1225.1	720.5	1152.1	2944.9	2815.4	1616.9	1002.7
75°	202.5	225.8	338.7	700.5	859.9	458.2	454.9	1577.0	1394.4	833.3	547.8
77.5°	122.8	132.8	185.9	458.2	517.9	308.8	252.3	733.7	707.2	488.1	288.8
80°	59.8	69.7	112.9	268.9	332.0	166.0	152.7	288.8	308.8	268.9	152.7
82.5°	19.9	26.6	63.1	102.9	215.8	66.4	63.1	159.4	169.3	159.4	73.0
85°	10.0	13.3	29.9	33.2	83.0	33.2	23.2	69.7	86.3	53.1	29.9
87.5°	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.6	6.6	6.6	6.6
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°	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9
2.5°	2038.5	2031.9	2018.6	1995.4	1992.1	1975.5	1948.9	1932.3	1919.0	1929.0	1932.3
5°	2075.1	2058.5	2018.6	1955.5	1889.1	1822.7	1759.7	1686.6	1636.8	1630.2	1616.9
7.5°	2141.5	2108.3	2021.9	1899.1	1729.8	1570.4	1384.5	1205.2	1115.6	1102.3	1072.4
10°	2247.7	2191.3	2048.5	1799.5	1474.1	1142.1	859.9	667.3	557.8	537.9	544.5
12.5°	2373.9	2294.2	2051.8	1630.2	1122.2	707.2	488.1	415.0	391.8	381.8	381.8
15°	2536.6	2420.4	2048.5	1411.0	757.0	454.9	391.8	361.9	351.9	345.3	345.3
17.5°	2742.4	2589.7	2025.3	1082.4	511.3	395.1	358.6	335.3	322.1	318.7	318.7
20°	2984.8	2778.9	1972.1	806.8	428.3	368.5	338.7	308.8	298.8	292.2	292.2
22.5°	3293.5	3008.0	1869.2	627.5	405.1	351.9	318.7	285.5	275.6	268.9	268.9
25°	3652.1	3300.2	1733.1	564.4	401.7	338.7	298.8	265.6	255.6	252.3	249.0
27.5°	4077.1	3612.3	1606.9	567.7	408.4	328.7	278.9	249.0	239.0	229.1	232.4
30°	4578.4	3934.3	1504.0	607.6	415.0	318.7	265.6	239.0	229.1	215.8	215.8
32.5°	5073.1	4312.8	1494.0	680.6	438.3	312.1	252.3	225.8	215.8	205.8	205.8
35°	5581.1	4658.1	1550.5	776.9	484.7	302.1	235.7	212.5	202.5	195.9	192.6
37.5°	6065.8	4933.7	1603.6	836.7	458.2	259.0	215.8	195.9	185.9	172.6	172.6
40°	6387.9	5083.1	1613.6	790.2	378.5	232.4	195.9	176.0	162.7	156.0	152.7
42.5°	6623.6	5179.4	1500.7	640.8	328.7	212.5	179.3	159.4	149.4	142.8	142.8
45°	6719.9	5146.2	1308.1	488.1	302.1	195.9	162.7	146.1	139.4	132.8	132.8
47.5°	6706.6	4993.4	1112.2	391.8	275.6	179.3	152.7	139.4	132.8	126.2	122.8
50°	6683.4	4850.7	913.0	348.6	245.7	169.3	142.8	132.8	122.8	116.2	112.9
52.5°	6836.1	4804.2	757.0	318.7	229.1	162.7	139.4	126.2	116.2	109.6	109.6
55°	6988.8	4824.1	594.3	298.8	212.5	159.4	136.1	122.8	112.9	102.9	102.9
57.5°	6978.9	4737.8	451.5	278.9	199.2	156.0	132.8	119.5	102.9	96.3	96.3
60°	*6344.7*	*4226.5*	*351.9*	*255.6*	*182.6*	*146.1*	*122.8*	*112.9*	*96.3*	*86.3*	*86.3*
62.5°	5365.3	3323.4	288.8	225.8	162.7	132.8	112.9	102.9	86.3	69.7	69.7
65°	3964.2	2397.1	232.4	195.9	149.4	116.2	102.9	89.6	69.7	56.4	53.1
67.5°	2682.6	1474.1	185.9	162.7	132.8	99.6	86.3	76.4	63.1	46.5	43.2
70°	1590.3	783.5	136.1	112.9	99.6	73.0	73.0	66.4	53.1	39.8	36.5
72.5°	757.0	272.2	99.6	83.0	76.4	53.1	56.4	56.4	43.2	29.9	26.6
75°	385.1	132.8	66.4	59.8	49.8	39.8	46.5	43.2	29.9	19.9	19.9
77.5°	219.1	93.0	46.5	39.8	33.2	26.6	29.9	26.6	16.6	10.0	10.0
80°	122.8	66.4	29.9	26.6	19.9	16.6	16.6	13.3	10.0	3.3	3.3
82.5°	46.5	39.8	19.9	13.3	10.0	10.0	6.6	6.6	3.3	0.0	0.0
85°	19.9	10.0	10.0	6.6	6.6	3.3	3.3	3.3	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	3.3	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9
2.5°	1905.7	1912.4	1919.0	1945.6	1952.2	1972.1	1988.7	2008.7	2012.0	2038.5	2038.5
5°	1643.5	1640.1	1696.6	1779.6	1832.7	1905.7	1962.2	2021.9	2055.1	2098.3	2118.2
7.5°	1089.0	1172.0	1298.2	1444.2	1633.5	1809.5	1942.3	2058.5	2138.1	2187.9	2207.9
10°	541.2	587.7	720.5	959.5	1281.6	1640.1	1922.3	2138.1	2267.6	2324.1	2360.6
12.5°	381.8	391.8	415.0	544.5	853.3	1361.2	1859.3	2224.5	2403.8	2510.0	2556.5
15°	342.0	348.6	358.6	395.1	527.9	1016.0	1746.4	2320.8	2616.2	2739.1	2798.8
17.5°	315.4	318.7	328.7	358.6	415.0	690.6	1563.8	2423.7	2871.9	3021.3	3134.2
20°	292.2	292.2	302.1	338.7	385.1	531.2	1301.5	2539.9	3197.3	3413.1	3526.0
22.5°	265.6	272.2	278.9	318.7	375.2	484.7	1055.8	2629.5	3559.2	3821.4	3954.2
25°	245.7	252.3	259.0	298.8	365.2	484.7	913.0	2686.0	3964.2	4276.3	4458.9
27.5°	229.1	235.7	245.7	285.5	355.3	504.7	856.6	2702.6	4405.8	4810.8	5056.5
30°	215.8	222.4	232.4	275.6	361.9	527.9	876.5	2679.3	4854.0	5362.0	5654.1
32.5°	202.5	209.2	219.1	265.6	361.9	557.8	942.9	2632.8	5288.9	5913.1	6271.7
35°	192.6	195.9	199.2	239.0	328.7	554.5	1025.9	2586.4	5727.2	6457.6	6875.9
37.5°	172.6	176.0	182.6	205.8	262.3	504.7	1042.5	2529.9	6072.5	6915.8	7377.3
40°	152.7	159.4	166.0	189.2	219.1	408.4	969.5	2410.4	6255.1	7267.7	7828.8
42.5°	139.4	142.8	149.4	172.6	202.5	325.4	813.4	2201.2	6417.8	7506.8	8157.5
45°	129.5	132.8	139.4	156.0	189.2	282.2	640.8	1945.6	6431.0	7583.1	8316.9
47.5°	119.5	122.8	126.2	142.8	182.6	252.3	491.4	1713.2	6427.7	7682.7	8453.0
50°	112.9	116.2	122.8	136.1	172.6	225.8	405.1	1523.9	6567.2	7898.5	8728.6
52.5°	109.6	109.6	119.5	132.8	162.7	205.8	338.7	1354.6	6640.2	8111.0	8927.8
55°	102.9	106.2	112.9	126.2	152.7	195.9	288.8	1142.1	6673.4	8217.3	8964.3
57.5°	96.3	99.6	109.6	119.5	146.1	185.9	249.0	853.3	6198.6	7662.8	8353.4
60°	*86.3*	*93.0*	*106.2*	*116.2*	*136.1*	*169.3*	*219.1*	*577.7*	*5229.2*	*6660.1*	*7237.8*
62.5°	69.7	83.0	96.3	102.9	122.8	142.8	185.9	385.1	4176.7	5511.4	6168.8
65°	53.1	69.7	79.7	89.6	102.9	119.5	156.0	262.3	2785.6	3708.6	4448.9
67.5°	46.5	59.8	66.4	73.0	86.3	102.9	126.2	182.6	1689.9	2227.8	2958.2
70°	36.5	49.8	56.4	53.1	66.4	79.7	89.6	122.8	863.2	1208.5	1683.3
72.5°	26.6	39.8	43.2	43.2	39.8	56.4	66.4	86.3	375.2	587.7	763.6
75°	19.9	26.6	29.9	26.6	23.2	36.5	46.5	56.4	245.7	351.9	444.9
77.5°	10.0	10.0	16.6	16.6	10.0	19.9	23.2	33.2	139.4	205.8	255.6
80°	3.3	0.0	0.0	3.3	0.0	6.6	10.0	16.6	73.0	109.6	159.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	36.5	33.2	83.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	19.9
87.5°	0.0	0.0	0.0	0.0	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: P1501835
CATALOG NUMBER: GSS-SB2C-750-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2031.9	*2031.9*	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9	2031.9
2.5°	2055.1	*2055.1*	2068.4	2088.3	2098.3	2104.9	2108.3	2114.9	2141.5	2134.8
5°	2141.5	*2148.1*	2158.1	2178.0	2201.2	2194.6	2194.6	2194.6	2211.2	2197.9
7.5°	2254.4	*2274.3*	2277.6	2300.8	2284.2	2251.0	2231.1	2201.2	2197.9	2197.9
10°	2437.0	*2430.3*	2430.3	2400.4	2340.7	2244.4	2158.1	2098.3	2065.1	2068.4
12.5°	2632.8	*2606.3*	2609.6	2500.0	2330.7	2118.2	1942.3	1812.8	1802.8	1792.9
15°	2875.2	*2805.5*	2792.2	2539.9	2181.3	1855.9	1683.3	1580.4	1547.2	1537.2
17.5°	3220.5	*3044.5*	2981.5	2470.2	1985.4	1693.3	1563.8	1517.3	1514.0	1510.6
20°	3585.7	*3237.1*	3117.6	2367.2	1919.0	1696.6	1600.3	1587.0	1580.4	1583.7
22.5°	4010.7	*3359.9*	3207.2	2383.8	1978.8	1806.1	1729.8	1719.8	1713.2	1719.8
25°	4448.9	*3502.7*	3313.5	2516.6	2158.1	2008.7	1919.0	1899.1	1919.0	1948.9
27.5°	4890.5	*3695.3*	3522.6	2778.9	2446.9	2284.2	2197.9	2271.0	2300.8	2304.2
30°	5282.3	*3964.2*	3804.8	3147.5	2775.6	2612.9	2629.5	2722.5	2759.0	2795.5
32.5°	5640.9	*4322.8*	4199.9	3565.8	3200.6	3104.3	3094.3	3164.1	3203.9	3180.7
35°	6002.7	*4790.9*	4671.4	4020.6	3721.8	3642.2	3559.2	3695.3	3682.0	3645.5
37.5°	6344.7	*5262.4*	5152.8	4508.7	4199.9	4060.5	4047.2	4170.1	4279.6	4273.0
40°	6590.4	*5644.2*	5511.4	4993.4	4701.3	4581.7	4651.5	4864.0	4837.4	4800.9
42.5°	6816.2	*5969.5*	5850.0	5418.4	5113.0	5166.1	5229.2	5371.9	5355.3	5318.8
45°	6922.4	*6248.4*	6145.5	5740.5	5591.1	5760.4	5757.1	5810.2	5720.5	5707.3
47.5°	7071.8	*6447.6*	6341.4	6029.3	6162.1	6231.8	6035.9	5979.5	5896.5	5830.1
50°	7347.4	*6756.4*	6650.2	6467.6	6580.4	6364.6	6125.6	6002.7	5833.4	5717.2
52.5°	7669.4	*7224.5*	7131.6	7058.5	6743.1	6298.2	5992.8	5770.3	5564.5	5464.9
55°	8074.5	*7915.1*	7848.7	7447.0	6597.0	6026.0	5667.4	5252.4	4970.2	4877.2
57.5°	8207.3	*8927.8*	8904.5	7510.1	6188.7	5531.3	4883.9	4322.8	4030.6	3970.8
60°	*7815.5*	*9721.3*	*9638.3*	*7403.8*	*5448.3*	*4488.8*	*3731.8*	*3157.4*	*2682.6*	*2612.9*
62.5°	7314.2	*9113.7*	9083.8	6869.3	4150.1	3217.2	2788.9	2251.0	2048.5	1995.4
65°	6265.0	*7457.0*	7470.2	5511.4	2626.2	2310.8	2290.9	1789.5	1540.5	1500.7
67.5°	4824.1	*5720.5*	5627.6	3466.2	1530.6	1849.3	1829.4	1308.1	946.2	919.7
70°	2818.8	*4259.7*	4110.3	1802.8	1012.6	1543.8	1407.7	919.7	644.1	614.2
72.5°	1245.0	*2344.0*	2516.6	793.5	713.8	1228.4	1016.0	564.4	361.9	355.3
75°	690.6	*1162.0*	1215.2	345.3	501.3	873.2	614.2	315.4	205.8	202.5
77.5°	415.0	*514.6*	501.3	222.4	375.2	557.8	371.9	179.3	129.5	122.8
80°	232.4	*235.7*	199.2	162.7	222.4	312.1	209.2	112.9	59.8	59.8
82.5°	142.8	*129.5*	102.9	49.8	59.8	189.2	76.4	63.1	19.9	19.9
85°	59.8	*39.8*	26.6	10.0	23.2	49.8	26.6	29.9	10.0	10.0
87.5°	0.0	*0.0*	0.0	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

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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

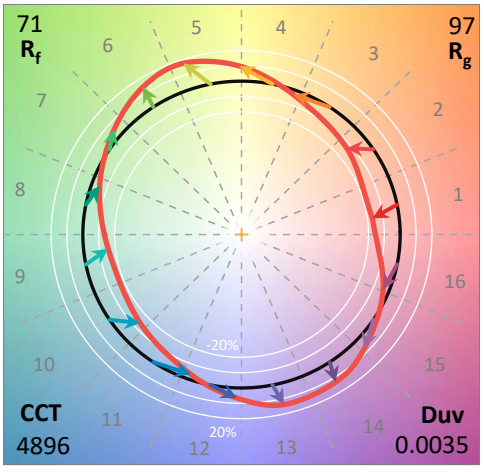
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

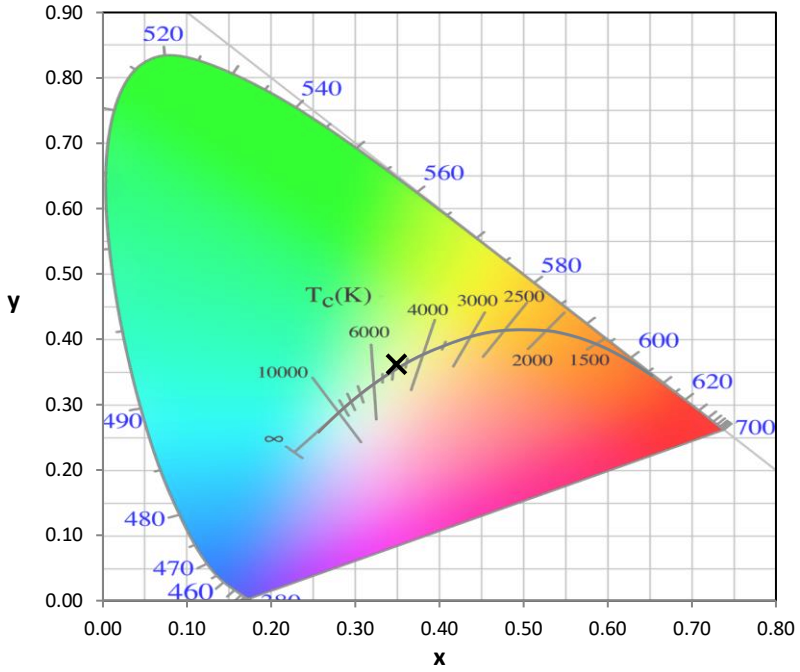
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

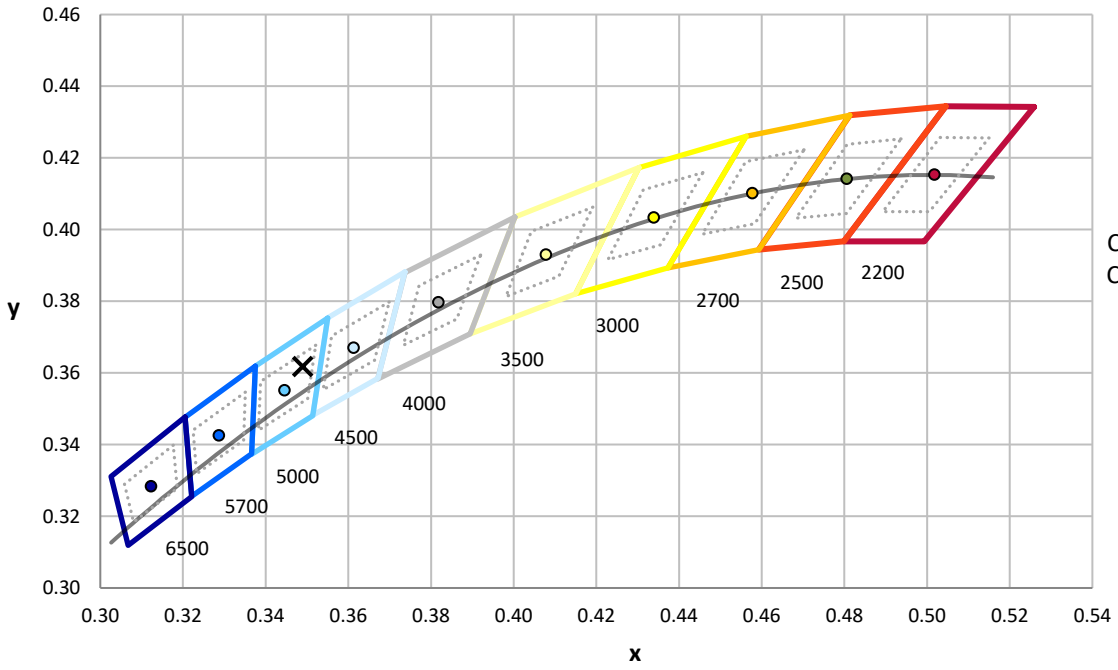
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

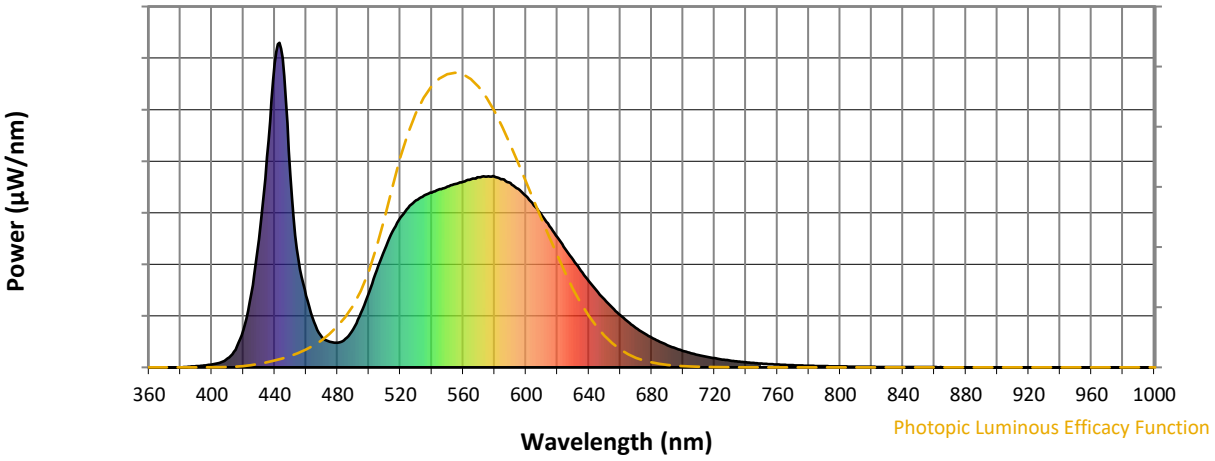


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

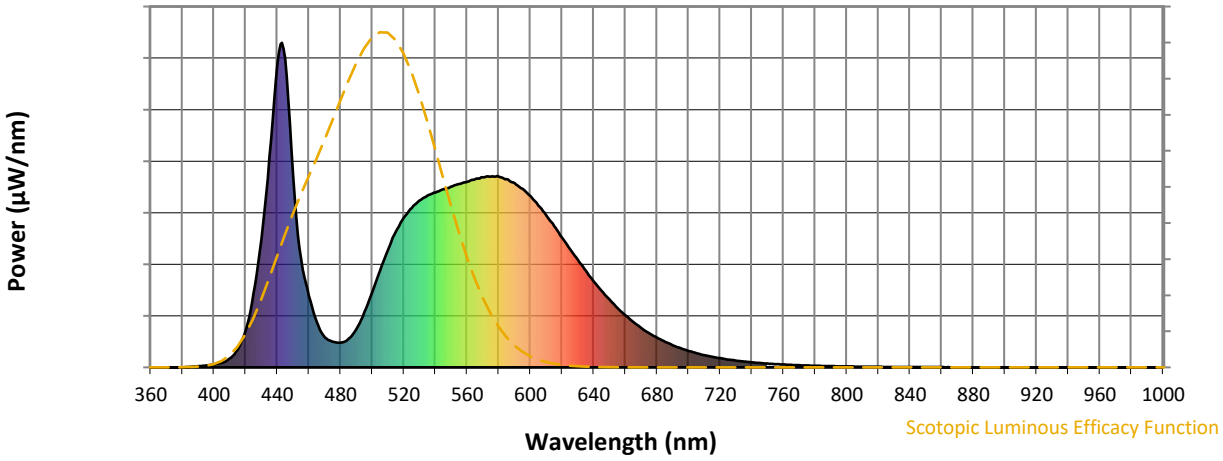


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

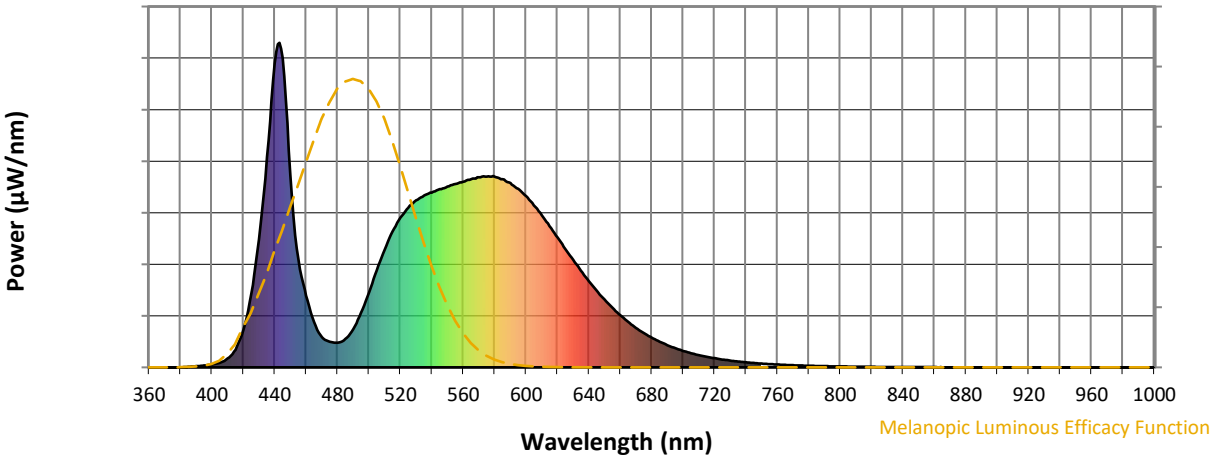


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

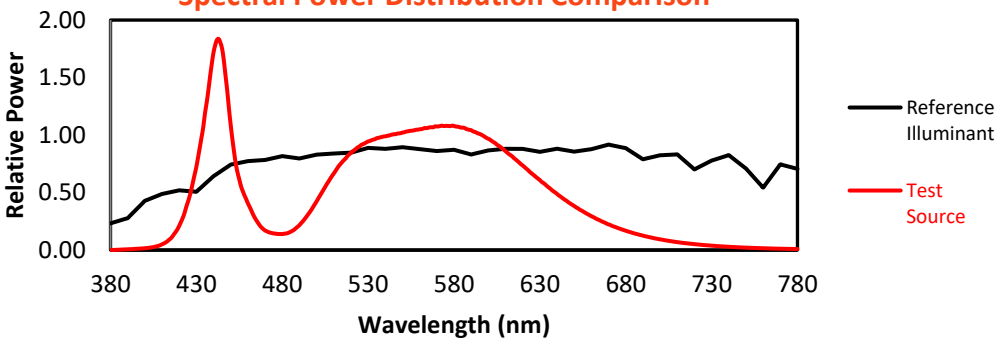
REPORT NUMBER: SP1-2407-184-6

TM-30-18

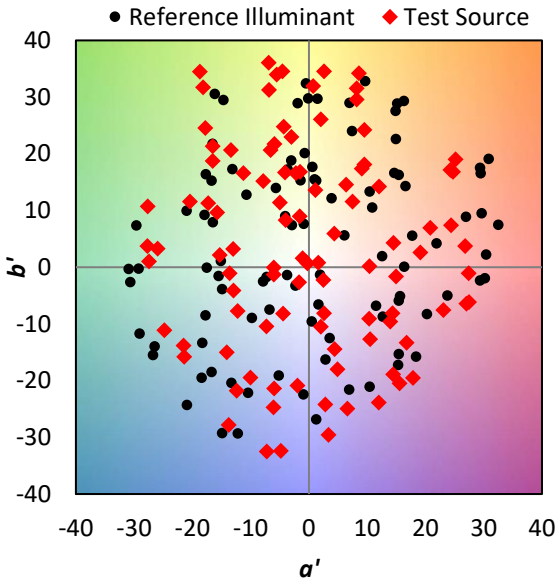
Summary

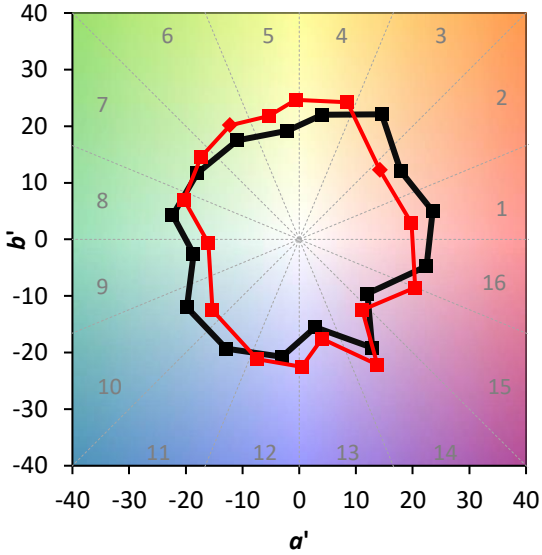
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R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

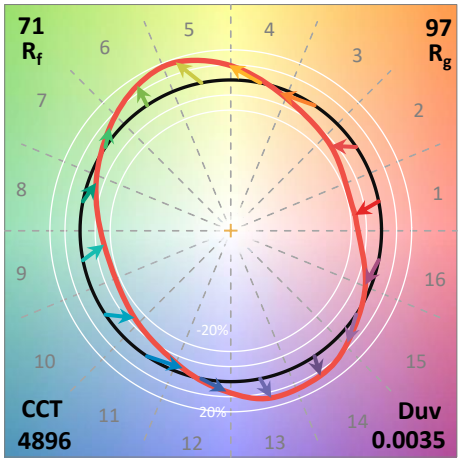
Spectral Power Distribution Comparison

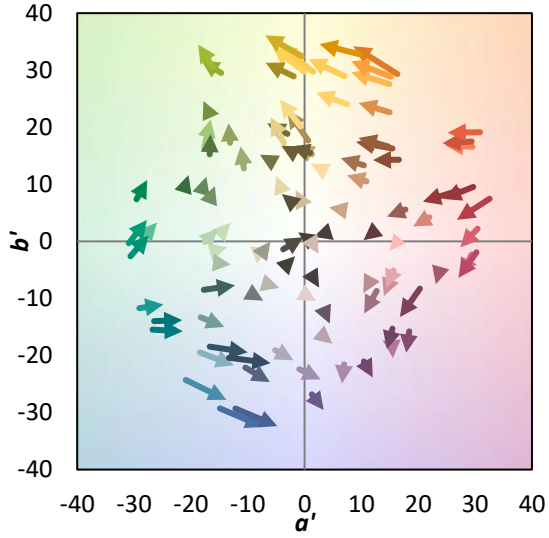


Color Vector Graphics







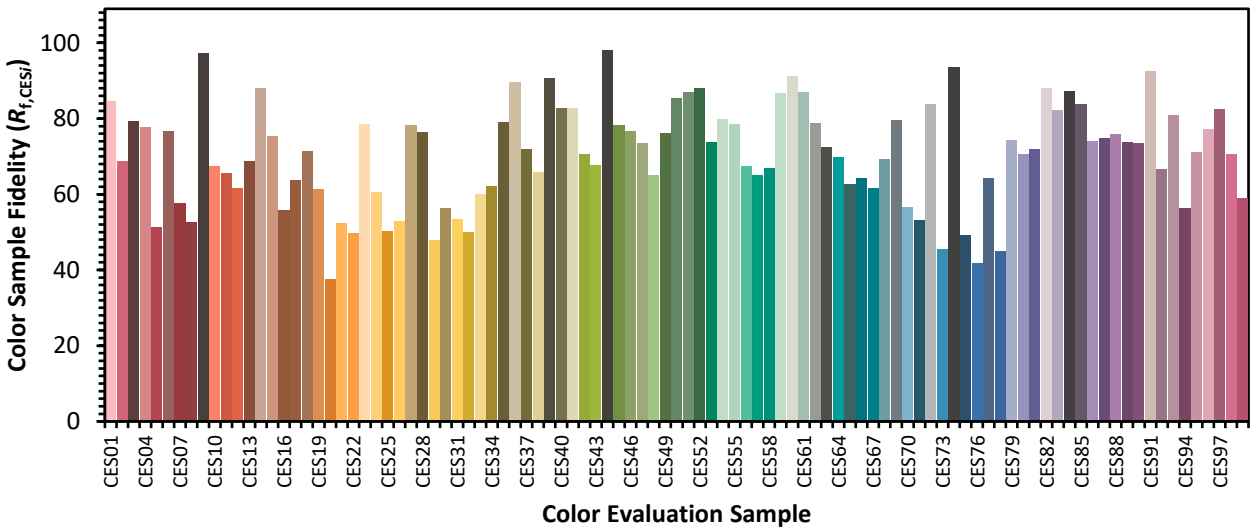


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Individual Sample Fidelity Index ($R_{f,i}$)

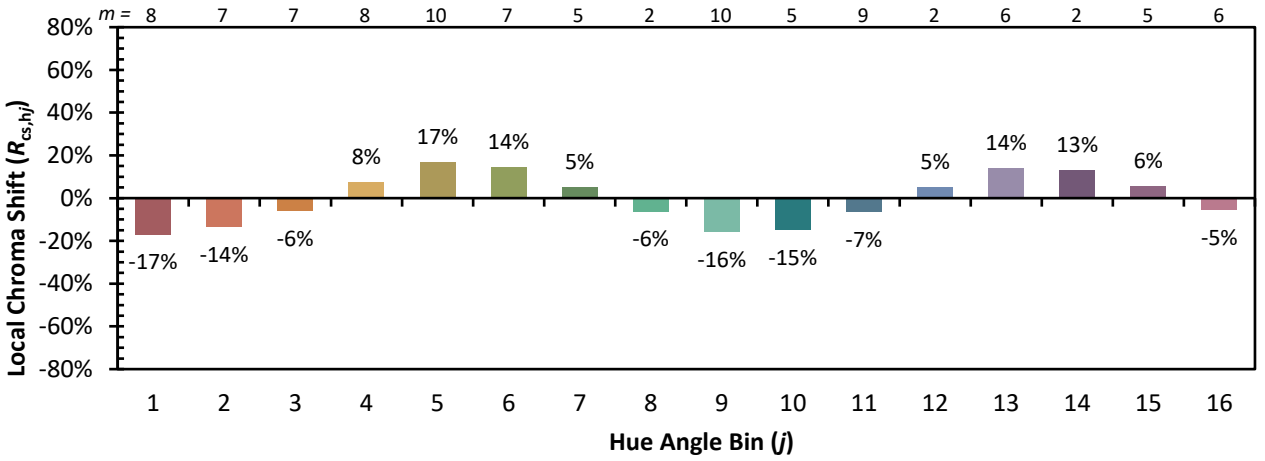
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

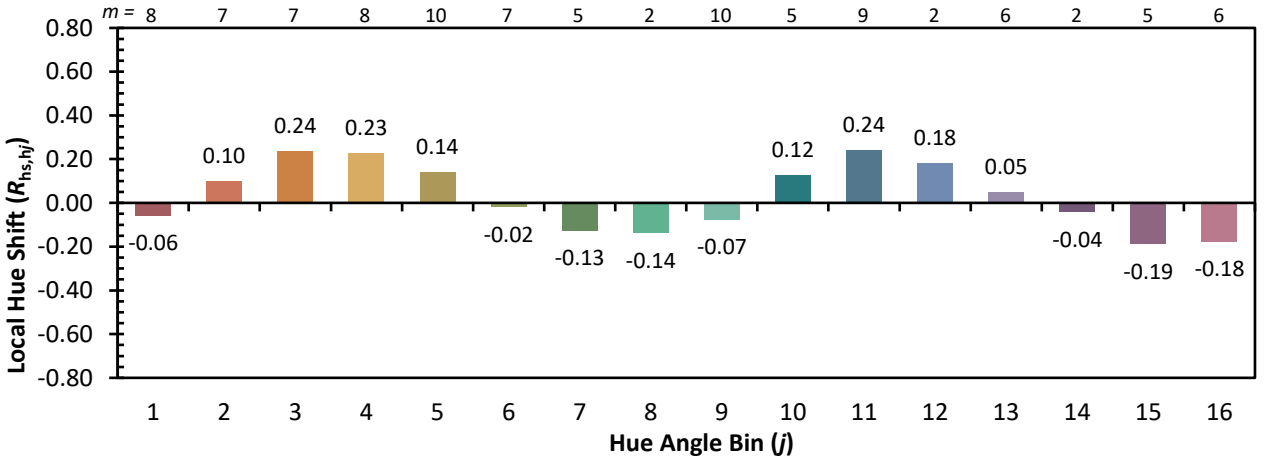


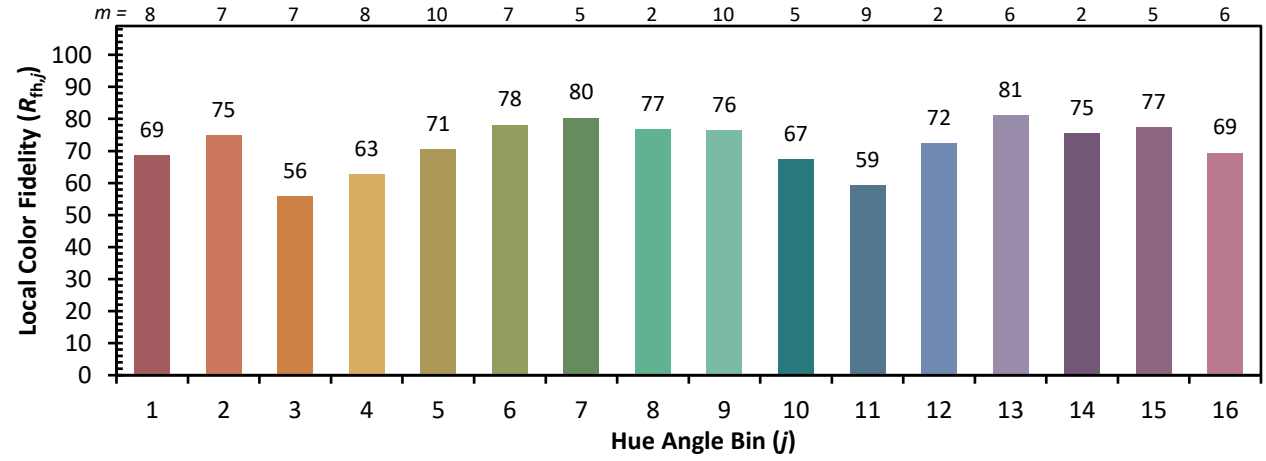
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Color Rendition by Hue-Angle Bin



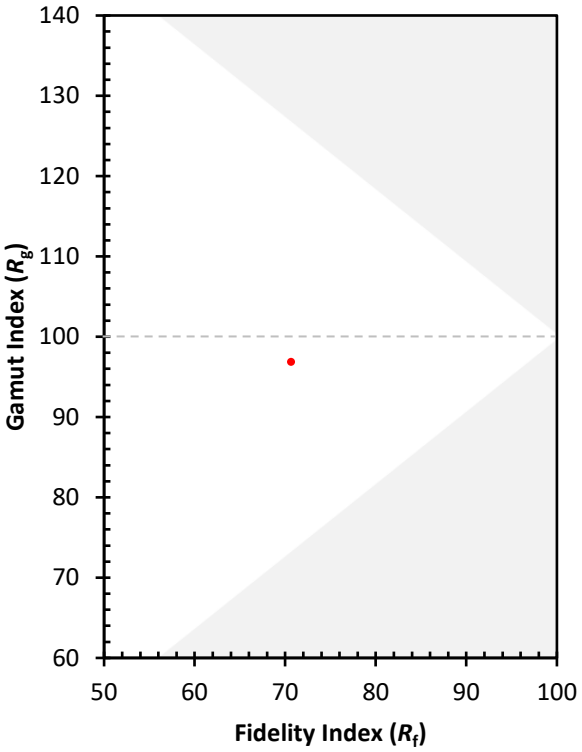


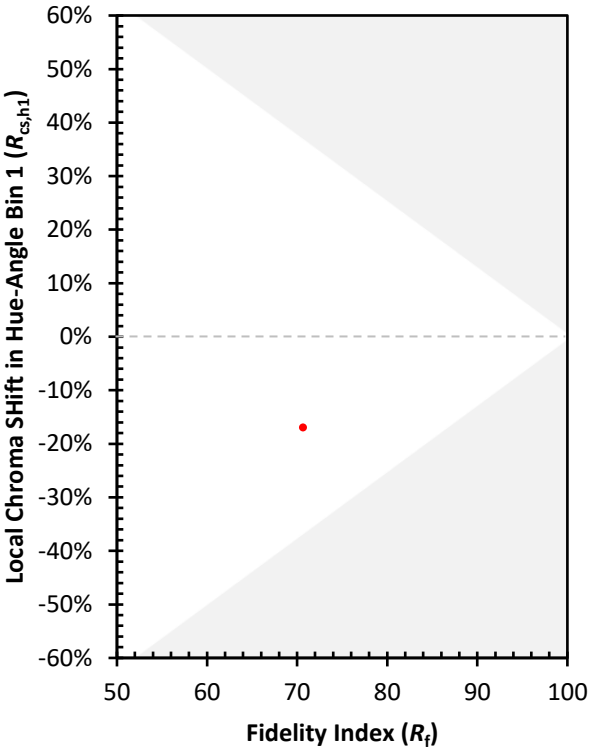


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Measure Comparisons





(END OF REPORT)