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: P1501766

Luminaire Tested: GSS-SB3B-727-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501766
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-727-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11877.1 lumens
Efficiency:	N/A
Efficacy:	109.0 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

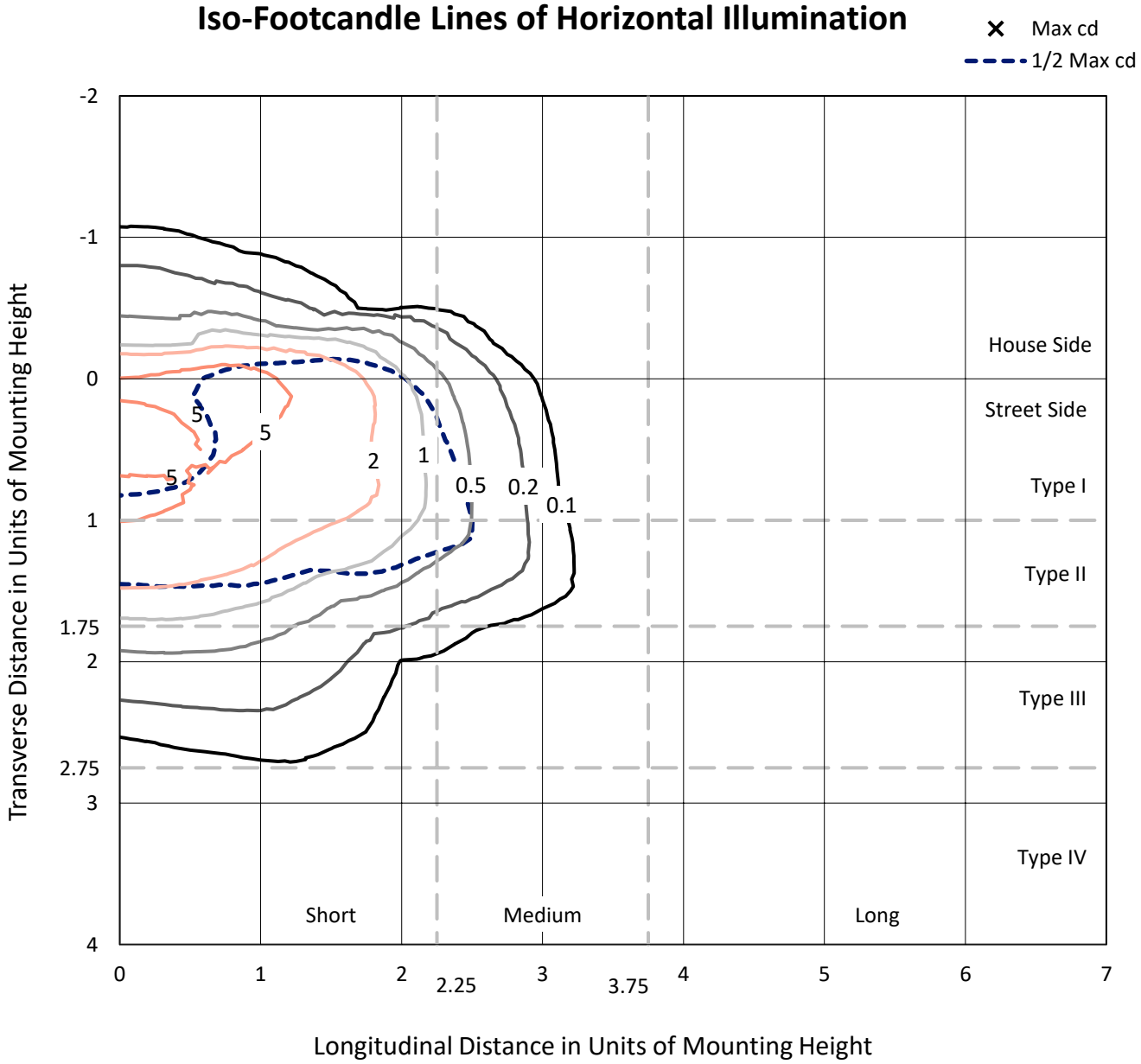
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



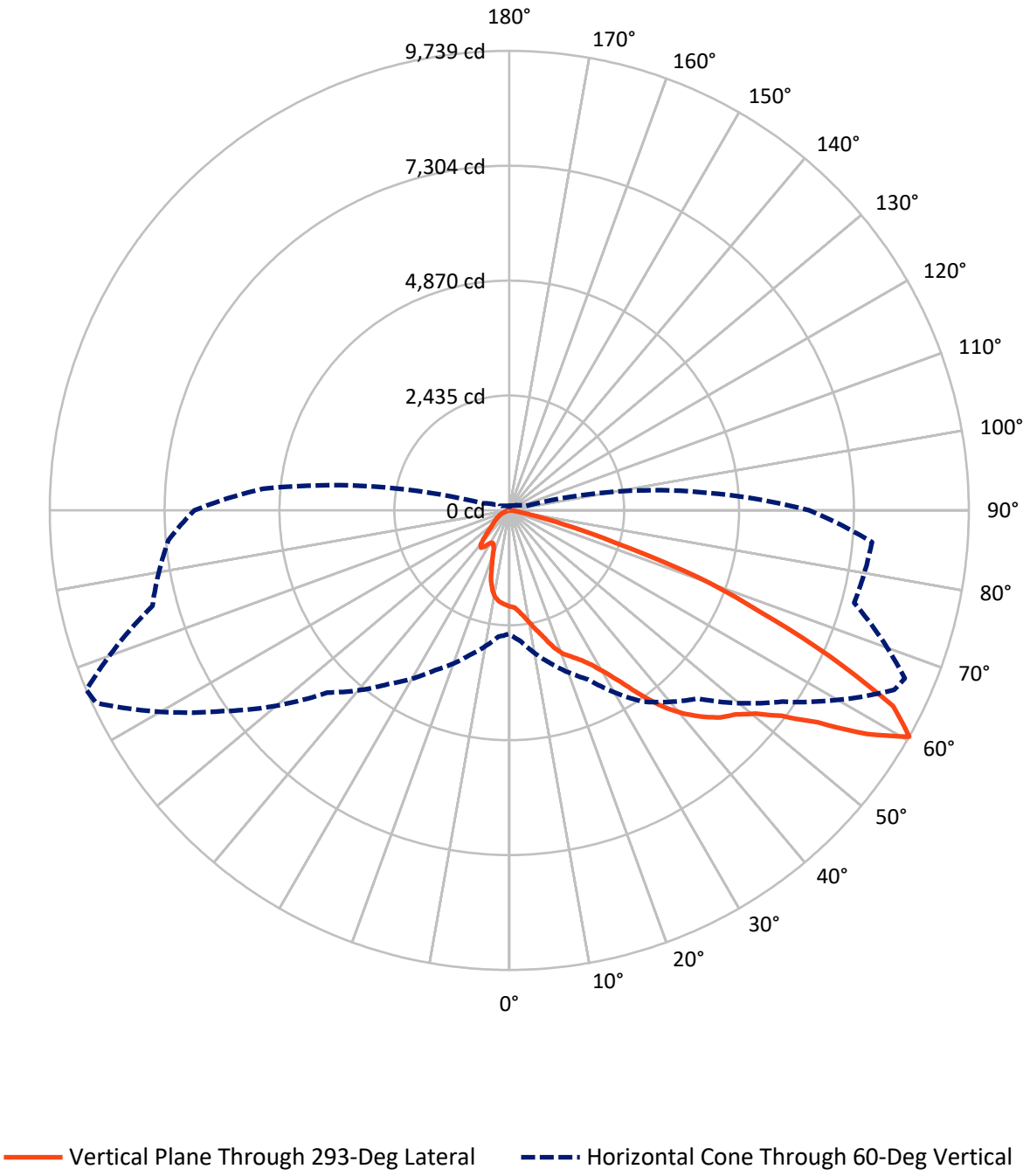
Based on 20 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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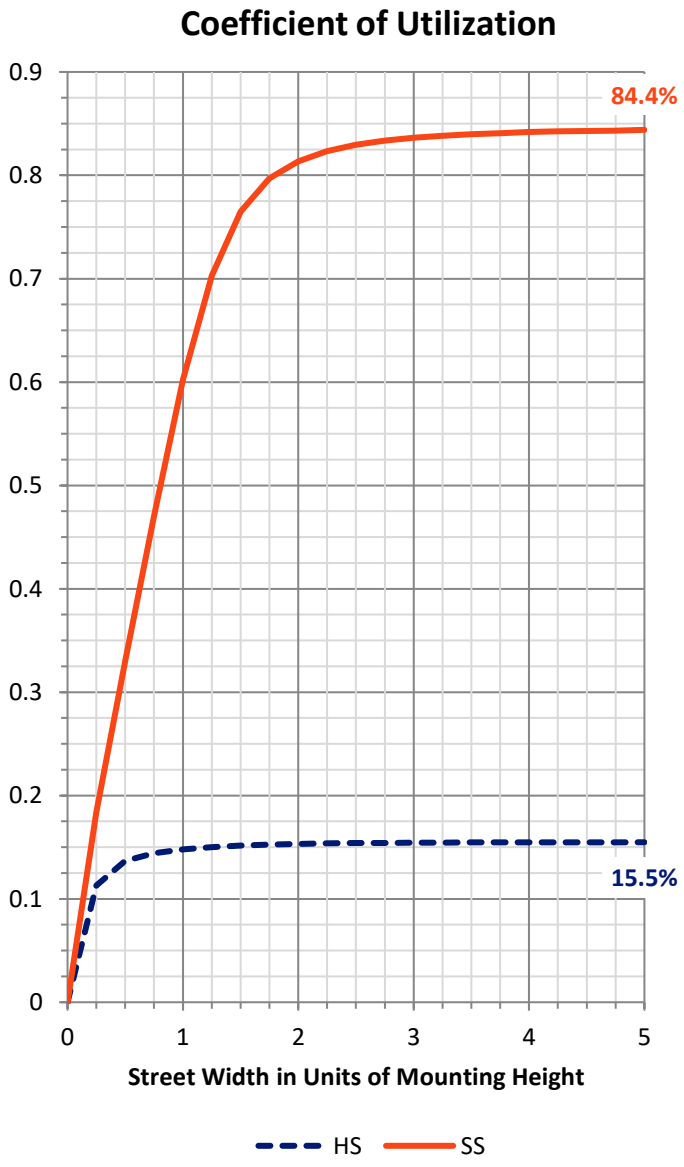
REPORT NUMBER: P1501766
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1853.1	0.0	1853.1
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	10024.0	0.0	10024.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	11877.1	0.0	11877.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	1.6
10°-20°	464.2	3.9
20°-30°	866.6	7.3
30°-40°	1718.6	14.5
40°-50°	2740.0	23.1
50°-60°	3273.7	27.6
60°-70°	2146.1	18.1
70°-80°	449.6	3.8
80°-90°	34.0	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°	11877.1	100.0
0°-180°	11877.1	100.0



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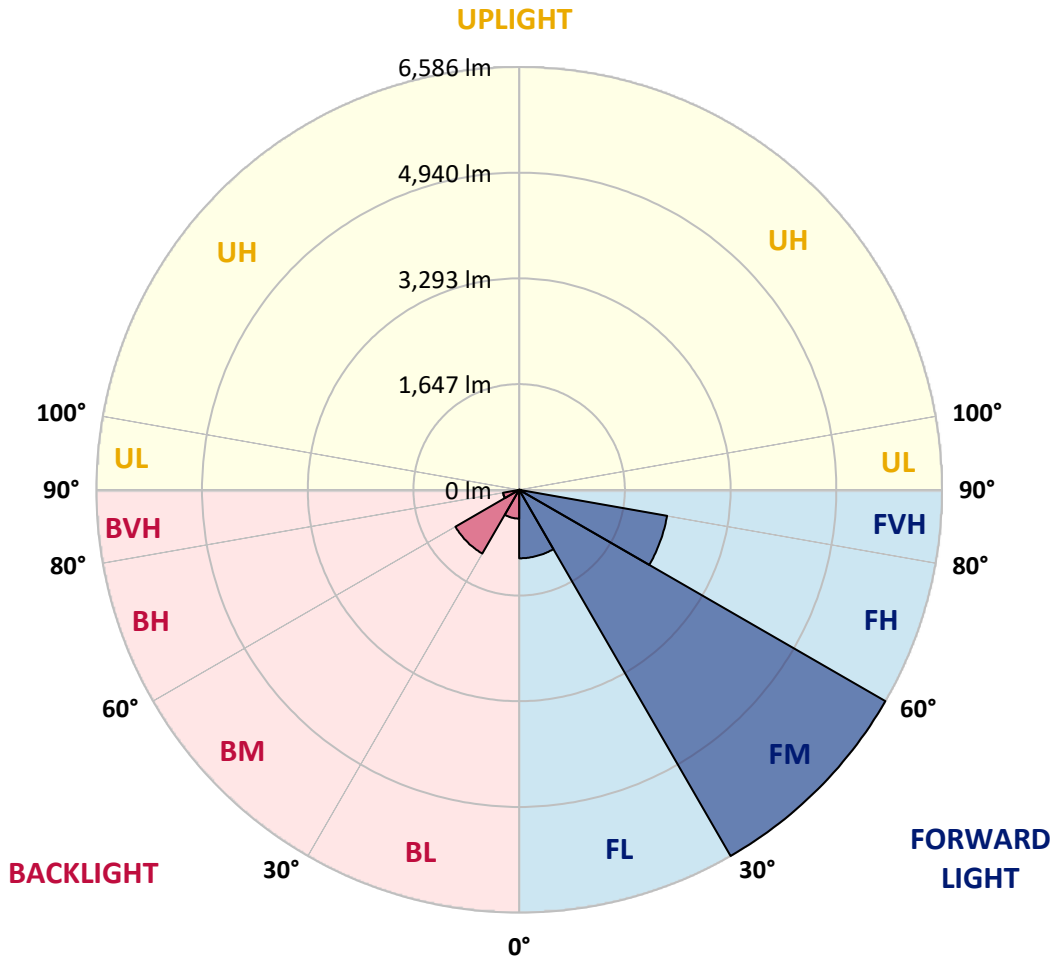
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1066.8	9.0			
FM	(30°-60°)	6586.3	55.5			
FH	(60°-80°)	2339.7	19.7			G2/5000
FVH	(80°-90°)	31.2	0.3			G1/100
BL	(0°-30°)	448.3	3.8	B1/500		
BM	(30°-60°)	1146.0	9.6	B2/2500		
BH	(60°-80°)	256.0	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°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	2138.7	2132.1	2122.1	2125.4	2122.1	2108.8	2088.8	2072.2	2085.5	2065.6	2052.2
5°	2201.9	2201.9	2195.3	2195.3	2198.6	2191.9	2178.6	2155.4	2158.7	2142.1	2098.8
7.5°	2201.9	2191.9	2208.6	2225.2	2255.1	2271.8	2278.4	2265.1	2271.8	2238.5	2182.0
10°	2072.2	2065.6	2108.8	2172.0	2258.5	2335.0	2384.9	2388.2	2398.2	2364.9	2298.4
12.5°	1796.1	1782.8	1869.3	1989.1	2165.3	2341.6	2481.3	2534.5	2557.8	2544.5	2451.4
15°	1540.0	1556.6	1616.5	1746.2	1982.4	2251.8	2534.5	2710.8	2744.1	2760.7	2651.0
17.5°	1513.4	1516.7	1536.7	1599.9	1779.5	2105.5	2541.2	2893.8	2940.3	3013.5	2863.8
20°	1586.6	1579.9	1599.9	1619.8	1706.3	1975.7	2478.0	3070.1	3159.9	3316.2	3153.2
22.5°	1723.0	1723.0	1732.9	1746.2	1789.5	1965.8	2451.4	3233.0	3386.0	3705.4	3515.8
25°	1952.5	1925.9	1932.5	1915.9	1952.5	2085.5	2511.3	3362.8	3572.3	4137.8	3948.2
27.5°	2308.4	2318.3	2258.5	2168.7	2188.6	2301.7	2657.6	3509.1	3765.2	4586.8	4387.2
30°	2800.6	2784.0	2747.4	2571.1	2491.3	2591.1	2927.0	3748.6	4024.7	5155.6	4972.6
32.5°	3186.5	3233.0	3169.8	3046.8	2923.7	2953.6	3306.2	4134.4	4340.7	5677.8	5578.0
35°	3652.1	3652.1	3665.4	3492.5	3409.3	3402.7	3781.9	4553.5	4759.8	6150.1	6219.9
37.5°	4280.8	4237.5	4164.4	3971.4	3908.3	3991.4	4227.6	4985.9	5208.8	6532.6	6718.9
40°	4809.6	4839.6	4829.6	4550.2	4427.1	4516.9	4726.5	5355.1	5528.1	6778.7	7121.3
42.5°	5328.5	5345.2	5301.9	5168.9	4989.3	4995.9	5168.9	5634.5	5810.8	7014.9	7500.5
45°	5717.7	5714.4	5684.4	5651.2	5544.7	5435.0	5464.9	5943.9	6096.9	7091.4	7706.7
47.5°	5840.8	5867.4	5894.0	5987.1	6060.3	5887.3	5734.3	6110.2	6249.9	7078.1	7783.2
50°	5727.7	5784.2	5913.9	6053.6	6303.1	6289.8	5960.5	6289.8	6426.2	7151.3	7873.0
52.5°	5474.9	5531.4	5704.4	5957.2	6333.0	6519.3	6379.6	6592.5	6752.1	7337.5	8059.3
55°	4886.1	4909.4	5265.3	5597.9	6183.4	6419.5	6828.6	7104.7	7237.8	7563.7	8305.5
57.5°	3978.1	4034.6	4383.9	4926.1	5764.3	6156.7	7084.7	7979.5	7976.2	7779.9	8358.7
60°	*2617.7*	*2784.0*	*3352.8*	*3951.5*	*4952.7*	*5641.2*	*7068.1*	*9003.9*	*9107.1*	*7567.0*	*7716.7*
62.5°	1999.0	2068.9	2391.5	2890.4	3665.4	4676.6	6958.4	9310.0	9389.8	6994.9	6755.5
65°	1503.4	1589.9	1899.2	2345.0	2587.8	3169.8	6239.9	8092.6	8202.3	6243.2	5252.0
67.5°	921.3	991.2	1403.6	1925.9	1959.1	1969.1	4210.9	6130.1	6170.0	5035.8	3535.7
70°	615.3	685.2	971.2	1480.1	1560.0	1134.2	2311.7	4640.0	4636.7	3445.9	2148.7
72.5°	355.9	389.2	615.3	1091.0	1227.4	721.8	1154.2	2950.3	2820.6	1619.8	1004.5
75°	202.9	226.2	339.3	701.8	861.5	459.0	455.7	1579.9	1397.0	834.9	548.8
77.5°	123.1	133.0	186.3	459.0	518.9	309.3	252.8	735.1	708.5	488.9	289.4
80°	59.9	69.8	113.1	269.4	332.6	166.3	153.0	289.4	309.3	269.4	153.0
82.5°	20.0	26.6	63.2	103.1	216.2	66.5	63.2	159.7	169.6	159.7	73.2
85°	10.0	13.3	29.9	33.3	83.2	33.3	23.3	69.8	86.5	53.2	29.9
87.5°	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.7	6.7	6.7	6.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	2042.3	2035.6	2022.3	1999.0	1995.7	1979.1	1952.5	1935.8	1922.5	1932.5	1935.8
5°	2078.9	2062.2	2022.3	1959.1	1892.6	1826.1	1762.9	1689.7	1639.8	1633.2	1619.8
7.5°	2145.4	2112.1	2025.6	1902.6	1732.9	1573.3	1387.0	1207.4	1117.6	1104.3	1074.4
10°	2251.8	2195.3	2052.2	1802.8	1476.8	1144.2	861.5	668.6	558.8	538.8	545.5
12.5°	2378.2	2298.4	2055.6	1633.2	1124.2	708.5	488.9	415.8	392.5	382.5	382.5
15°	2541.2	2424.8	2052.2	1413.6	758.4	455.7	392.5	362.6	352.6	345.9	345.9
17.5°	2747.4	2594.4	2029.0	1084.3	512.2	395.8	359.2	335.9	322.6	319.3	319.3
20°	2990.2	2784.0	1975.7	808.3	429.1	369.2	339.3	309.3	299.4	292.7	292.7
22.5°	3299.6	3013.5	1872.6	628.6	405.8	352.6	319.3	286.1	276.1	269.4	269.4
25°	3658.8	3306.2	1736.3	565.4	402.5	339.3	299.4	266.1	256.1	252.8	249.5
27.5°	4084.5	3618.9	1609.9	568.8	409.1	329.3	279.4	249.5	239.5	229.5	232.8
30°	4586.8	3941.5	1506.8	608.7	415.8	319.3	266.1	239.5	229.5	216.2	216.2
32.5°	5082.4	4320.7	1496.8	681.9	439.1	312.7	252.8	226.2	216.2	206.2	206.2
35°	5591.3	4666.6	1553.3	778.3	485.6	302.7	236.2	212.9	202.9	196.2	192.9
37.5°	6076.9	4942.7	1606.5	838.2	459.0	259.4	216.2	196.2	186.3	173.0	173.0
40°	6399.6	5092.4	1616.5	791.6	379.2	232.8	196.2	176.3	163.0	156.3	153.0
42.5°	6635.7	5188.8	1503.4	642.0	329.3	212.9	179.6	159.7	149.7	143.0	143.0
45°	6732.2	5155.6	1310.5	488.9	302.7	196.2	163.0	146.4	139.7	133.0	133.0
47.5°	6718.9	5002.6	1114.3	392.5	276.1	179.6	153.0	139.7	133.0	126.4	123.1
50°	6695.6	4859.5	914.7	349.2	246.1	169.6	143.0	133.0	123.1	116.4	113.1
52.5°	6848.6	4813.0	758.4	319.3	229.5	163.0	139.7	126.4	116.4	109.8	109.8
55°	7001.6	4832.9	595.4	299.4	212.9	159.7	136.4	123.1	113.1	103.1	103.1
57.5°	6991.6	4746.4	452.4	279.4	199.6	156.3	133.0	119.7	103.1	96.5	96.5
60°	*6356.3*	*4234.2*	*352.6*	*256.1*	*182.9*	*146.4*	*123.1*	*113.1*	*96.5*	*86.5*	*86.5*
62.5°	5375.1	3329.5	289.4	226.2	163.0	133.0	113.1	103.1	86.5	69.8	69.8
65°	3971.4	2401.5	232.8	196.2	149.7	116.4	103.1	89.8	69.8	56.5	53.2
67.5°	2687.5	1476.8	186.3	163.0	133.0	99.8	86.5	76.5	63.2	46.6	43.2
70°	1593.2	785.0	136.4	113.1	99.8	73.2	73.2	66.5	53.2	39.9	36.6
72.5°	758.4	272.7	99.8	83.2	76.5	53.2	56.5	56.5	43.2	29.9	26.6
75°	385.8	133.0	66.5	59.9	49.9	39.9	46.6	43.2	29.9	20.0	20.0
77.5°	219.5	93.1	46.6	39.9	33.3	26.6	29.9	26.6	16.6	10.0	10.0
80°	123.1	66.5	29.9	26.6	20.0	16.6	16.6	13.3	10.0	3.3	3.3
82.5°	46.6	39.9	20.0	13.3	10.0	10.0	6.7	6.7	3.3	0.0	0.0
85°	20.0	10.0	10.0	6.7	6.7	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°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	1909.2	1915.9	1922.5	1949.1	1955.8	1975.7	1992.4	2012.3	2015.7	2042.3	2042.3
5°	1646.5	1643.1	1699.7	1782.8	1836.0	1909.2	1965.8	2025.6	2058.9	2102.1	2122.1
7.5°	1091.0	1174.1	1300.5	1446.9	1636.5	1812.8	1945.8	2062.2	2142.1	2191.9	2211.9
10°	542.2	588.7	721.8	961.3	1283.9	1643.1	1925.9	2142.1	2271.8	2328.3	2364.9
12.5°	382.5	392.5	415.8	545.5	854.8	1363.7	1862.7	2228.5	2408.1	2514.6	2561.2
15°	342.6	349.2	359.2	395.8	528.9	1017.8	1749.6	2325.0	2621.0	2744.1	2804.0
17.5°	316.0	319.3	329.3	359.2	415.8	691.8	1566.6	2428.1	2877.1	3026.8	3139.9
20°	292.7	292.7	302.7	339.3	385.8	532.2	1303.9	2544.5	3203.1	3419.3	3532.4
22.5°	266.1	272.7	279.4	319.3	375.9	485.6	1057.7	2634.3	3565.7	3828.4	3961.5
25°	246.1	252.8	259.4	299.4	365.9	485.6	914.7	2690.9	3971.4	4284.1	4467.0
27.5°	229.5	236.2	246.1	286.1	355.9	505.6	858.2	2707.5	4413.8	4819.6	5065.8
30°	216.2	222.9	232.8	276.1	362.6	528.9	878.1	2684.2	4862.9	5371.8	5664.5
32.5°	202.9	209.5	219.5	266.1	362.6	558.8	944.6	2637.7	5298.6	5923.9	6283.1
35°	192.9	196.2	199.6	239.5	329.3	555.5	1027.8	2591.1	5737.6	6469.4	6888.5
37.5°	173.0	176.3	182.9	206.2	262.8	505.6	1044.4	2534.5	6083.6	6928.4	7390.8
40°	153.0	159.7	166.3	189.6	219.5	409.1	971.2	2414.8	6266.5	7281.0	7843.1
42.5°	139.7	143.0	149.7	173.0	202.9	326.0	814.9	2205.3	6429.5	7520.5	8172.4
45°	129.7	133.0	139.7	156.3	189.6	282.7	642.0	1949.1	6442.8	7597.0	8332.1
47.5°	119.7	123.1	126.4	143.0	182.9	252.8	492.3	1716.3	6439.5	7696.8	8468.4
50°	113.1	116.4	123.1	136.4	173.0	226.2	405.8	1526.7	6579.2	7913.0	8744.5
52.5°	109.8	109.8	119.7	133.0	163.0	206.2	339.3	1357.1	6652.3	8125.8	8944.1
55°	103.1	106.4	113.1	126.4	153.0	196.2	289.4	1144.2	6685.6	8232.3	8980.7
57.5°	96.5	99.8	109.8	119.7	146.4	186.3	249.5	854.8	6210.0	7676.8	8368.6
60°	*86.5*	*93.1*	*106.4*	*116.4*	*136.4*	*169.6*	*219.5*	*578.8*	*5238.7*	*6672.3*	*7251.1*
62.5°	69.8	83.2	96.5	103.1	123.1	143.0	186.3	385.8	4184.3	5521.4	6180.0
65°	53.2	69.8	79.8	89.8	103.1	119.7	156.3	262.8	2790.7	3715.3	4457.1
67.5°	46.6	59.9	66.5	73.2	86.5	103.1	126.4	182.9	1693.0	2231.9	2963.6
70°	36.6	49.9	56.5	53.2	66.5	79.8	89.8	123.1	864.8	1210.7	1686.4
72.5°	26.6	39.9	43.2	43.2	39.9	56.5	66.5	86.5	375.9	588.7	765.0
75°	20.0	26.6	29.9	26.6	23.3	36.6	46.6	56.5	246.1	352.6	445.7
77.5°	10.0	10.0	16.6	16.6	10.0	20.0	23.3	33.3	139.7	206.2	256.1
80°	3.3	0.0	0.0	3.3	0.0	6.7	10.0	16.6	73.2	109.8	159.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	36.6	33.3	83.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	20.0
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: P1501766
CATALOG NUMBER: GSS-SB3B-727-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2035.6	*2035.6*	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	2058.9	*2058.9*	2072.2	2092.2	2102.1	2108.8	2112.1	2118.8	2145.4	2138.7
5°	2145.4	*2152.0*	2162.0	2182.0	2205.3	2198.6	2198.6	2198.6	2215.2	2201.9
7.5°	2258.5	*2278.4*	2281.8	2305.0	2288.4	2255.1	2235.2	2205.3	2201.9	2201.9
10°	2441.4	*2434.8*	2434.8	2404.8	2345.0	2248.5	2162.0	2102.1	2068.9	2072.2
12.5°	2637.7	*2611.0*	2614.4	2504.6	2335.0	2122.1	1945.8	1816.1	1806.1	1796.1
15°	2880.5	*2810.6*	2797.3	2544.5	2185.3	1859.3	1686.4	1583.3	1550.0	1540.0
17.5°	3226.4	*3050.1*	2986.9	2474.7	1989.1	1696.3	1566.6	1520.1	1516.7	1513.4
20°	3592.3	*3243.0*	3123.3	2371.6	1922.5	1699.7	1603.2	1589.9	1583.3	1586.6
22.5°	4018.0	*3366.1*	3213.1	2388.2	1982.4	1809.4	1732.9	1723.0	1716.3	1723.0
25°	4457.1	*3509.1*	3319.5	2521.2	2162.0	2012.3	1922.5	1902.6	1922.5	1952.5
27.5°	4899.5	*3702.0*	3529.1	2784.0	2451.4	2288.4	2201.9	2275.1	2305.0	2308.4
30°	5291.9	*3971.4*	3811.8	3153.2	2780.7	2617.7	2634.3	2727.5	2764.0	2800.6
32.5°	5651.2	*4330.7*	4207.6	3572.3	3206.4	3110.0	3100.0	3169.8	3209.8	3186.5
35°	6013.7	*4799.7*	4679.9	4028.0	3728.6	3648.8	3565.7	3702.0	3688.7	3652.1
37.5°	6356.3	*5272.0*	5162.2	4516.9	4207.6	4067.9	4054.6	4177.7	4287.4	4280.8
40°	6602.5	*5654.5*	5521.4	5002.6	4709.9	4590.1	4660.0	4872.8	4846.2	4809.6
42.5°	6828.6	*5980.5*	5860.7	5428.3	5122.3	5175.5	5238.7	5381.7	5365.1	5328.5
45°	6935.1	*6259.9*	6156.7	5751.0	5601.3	5770.9	5767.6	5820.8	5731.0	5717.7
47.5°	7084.7	*6459.4*	6353.0	6040.3	6173.4	6243.2	6047.0	5990.4	5907.3	5840.8
50°	7360.8	*6768.8*	6662.3	6479.4	6592.5	6376.3	6136.8	6013.7	5844.1	5727.7
52.5°	7683.5	*7237.8*	7144.6	7071.4	6755.5	6309.7	6003.7	5780.9	5574.7	5474.9
55°	8089.3	*7929.6*	7863.1	7460.6	6609.1	6037.0	5677.8	5262.0	4979.3	4886.1
57.5°	8222.3	*8944.1*	8920.8	7523.8	6200.0	5541.4	4892.8	4330.7	4038.0	3978.1
60°	*7829.8*	*9739.0*	*9655.9*	*7417.4*	*5458.2*	*4497.0*	*3738.6*	*3163.2*	*2687.5*	*2617.7*
62.5°	7327.6	*9130.3*	9100.4	6881.8	4157.7	3223.1	2794.0	2255.1	2052.2	1999.0
65°	6276.5	*7470.6*	7483.9	5521.4	2631.0	2315.0	2295.1	1792.8	1543.3	1503.4
67.5°	4832.9	*5731.0*	5637.9	3472.5	1533.4	1852.7	1832.7	1310.5	948.0	921.3
70°	2823.9	*4267.5*	4117.8	1806.1	1014.5	1546.7	1410.3	921.3	645.3	615.3
72.5°	1247.3	*2348.3*	2521.2	795.0	715.1	1230.7	1017.8	565.4	362.6	355.9
75°	691.8	*1164.2*	1217.4	345.9	502.3	874.8	615.3	316.0	206.2	202.9
77.5°	415.8	*515.6*	502.3	222.9	375.9	558.8	372.5	179.6	129.7	123.1
80°	232.8	*236.2*	199.6	163.0	222.9	312.7	209.5	113.1	59.9	59.9
82.5°	143.0	*129.7*	103.1	49.9	59.9	189.6	76.5	63.2	20.0	20.0
85°	59.9	*39.9*	26.6	10.0	23.3	49.9	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

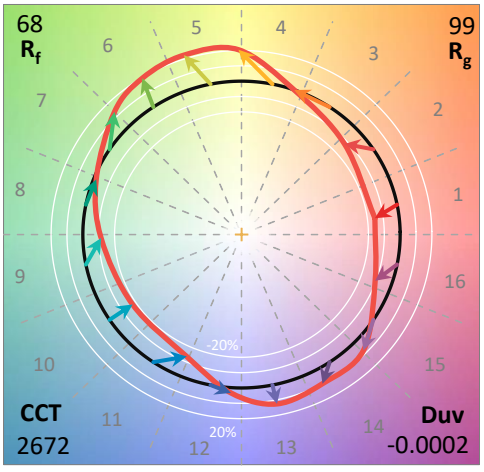
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

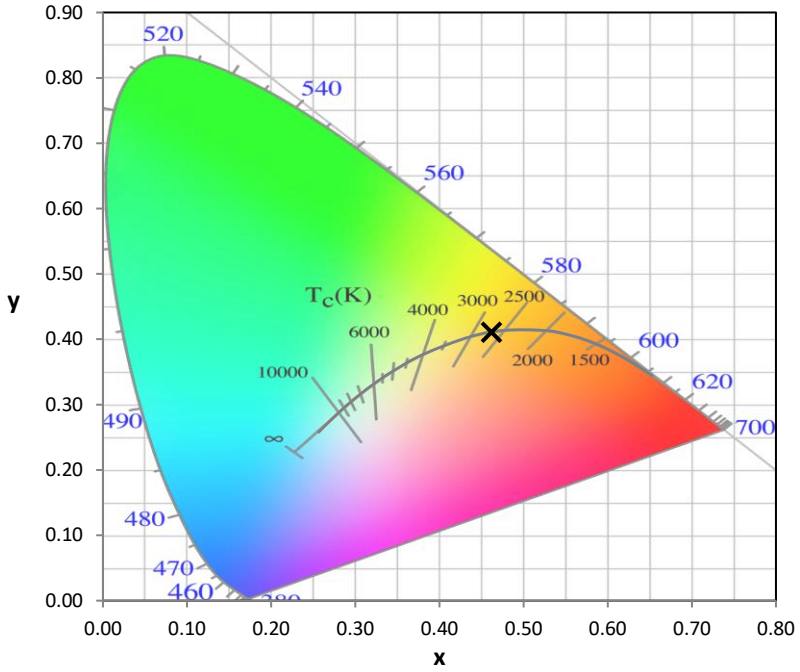
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

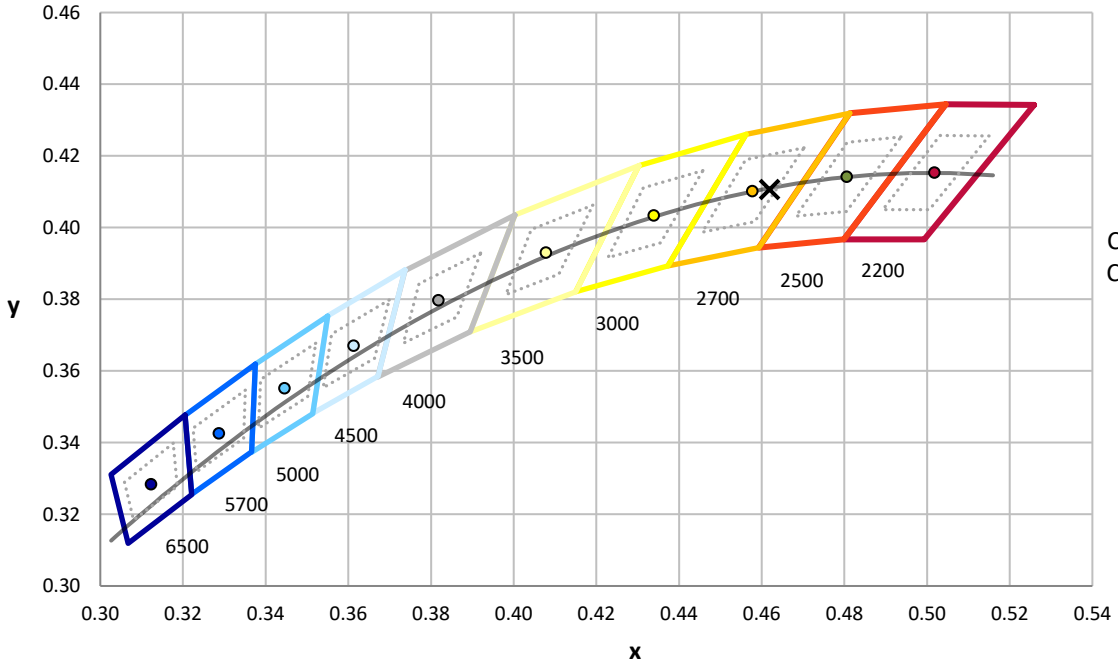
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

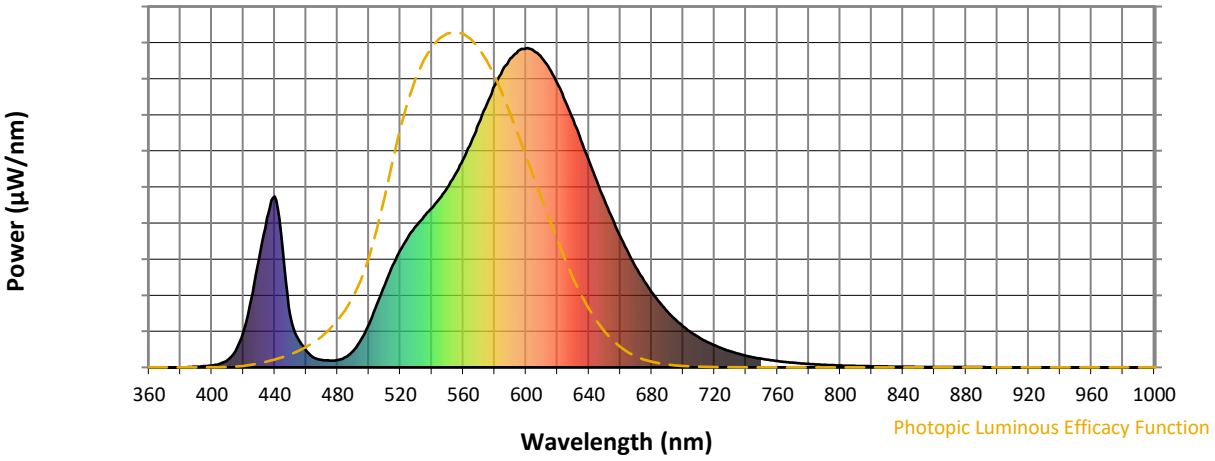


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

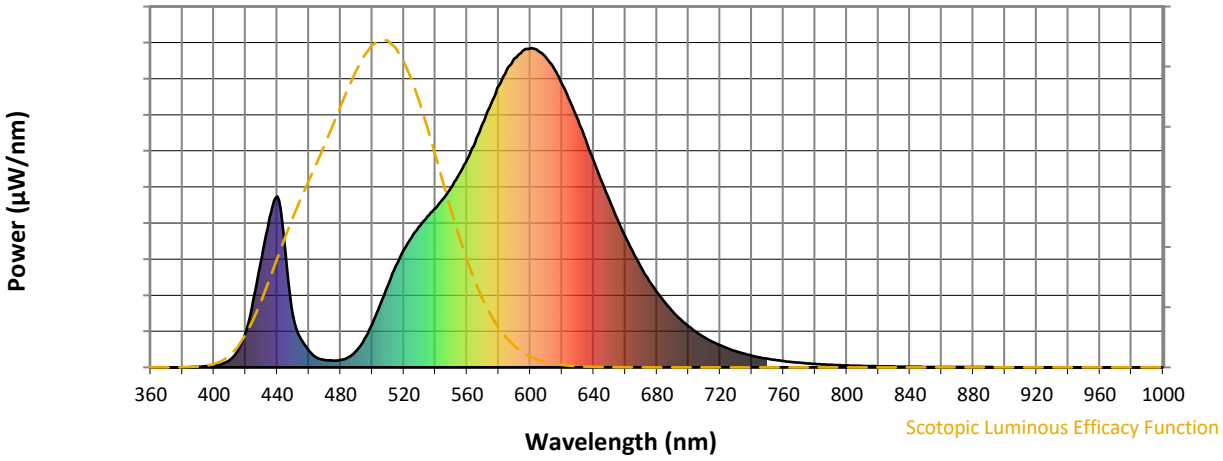


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

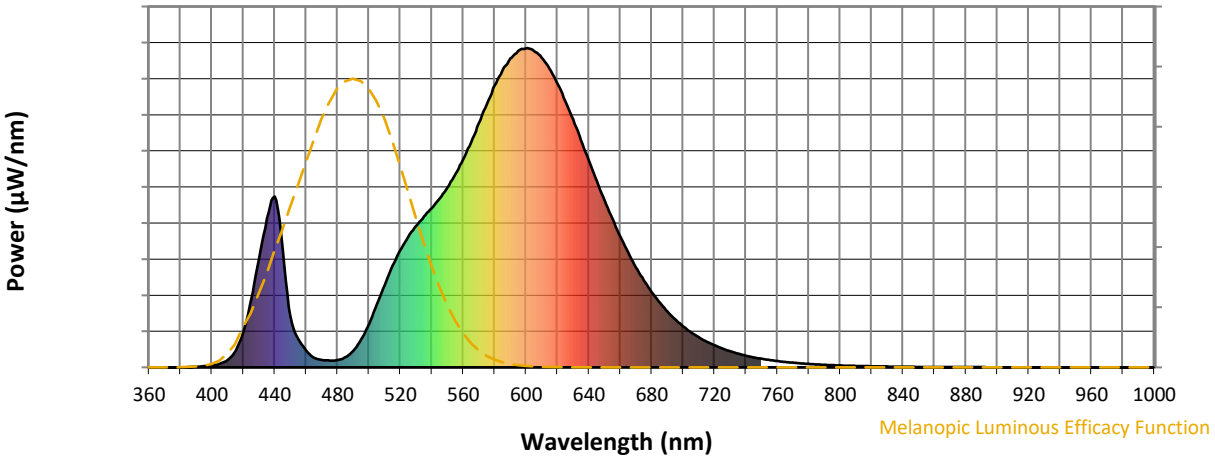


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

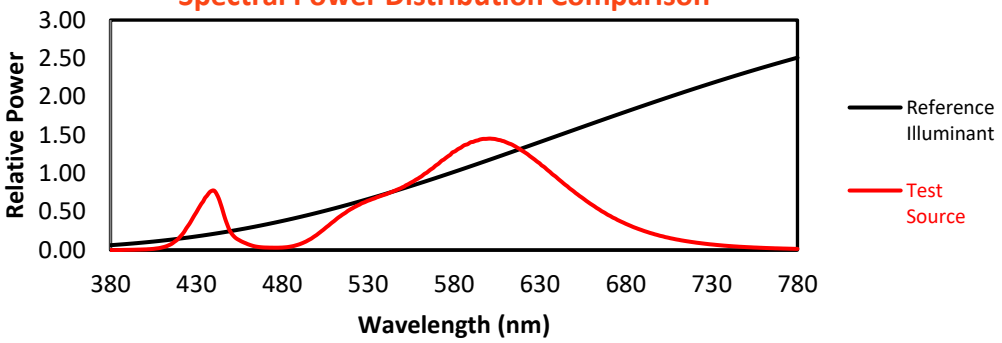
REPORT NUMBER: SP1-2407-184-3

TM-30-18

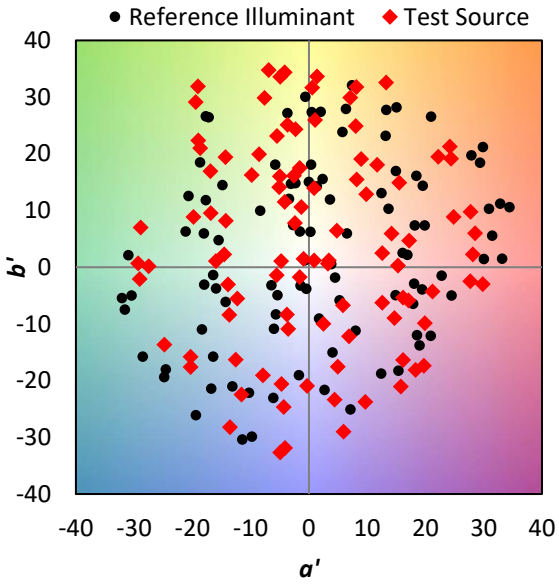
Summary

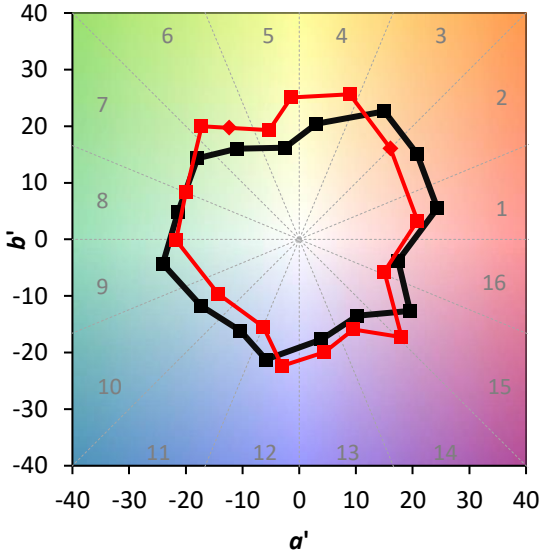
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

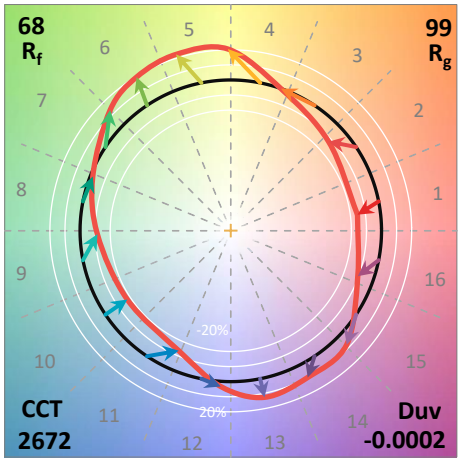
Spectral Power Distribution Comparison

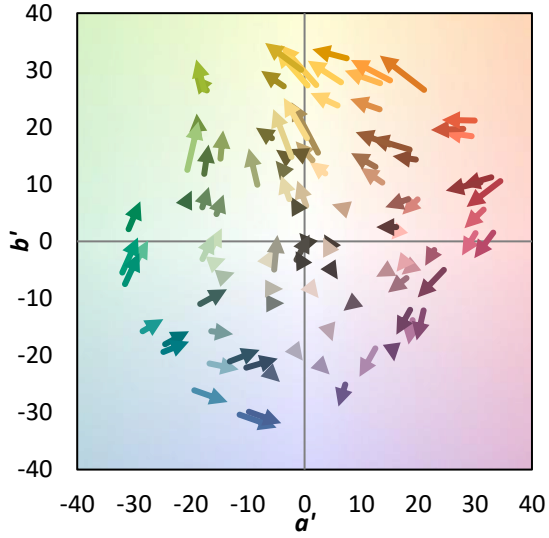


Color Vector Graphics







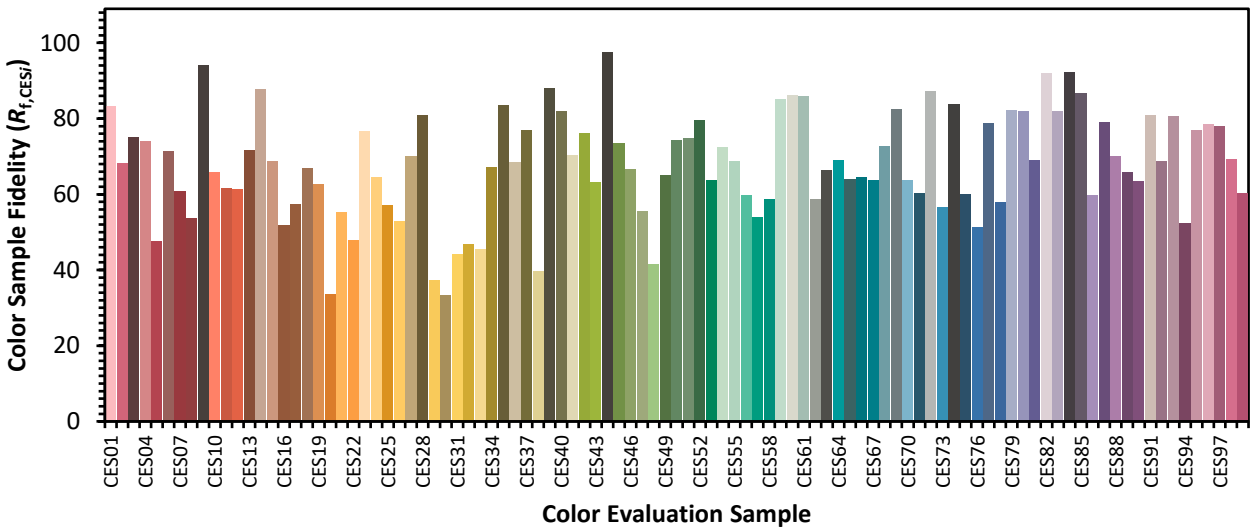


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Individual Sample Fidelity Index ($R_{f,i}$)

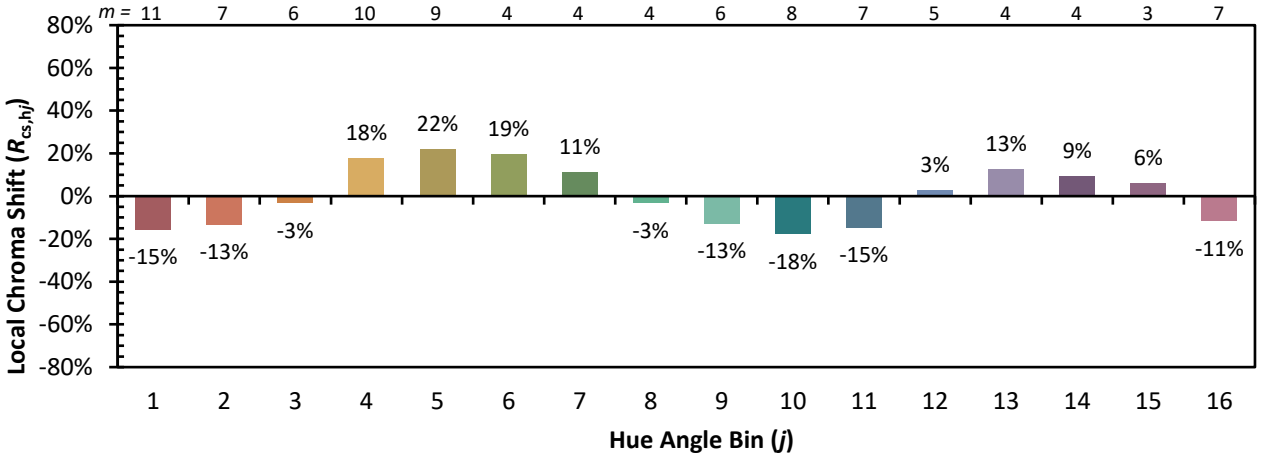
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

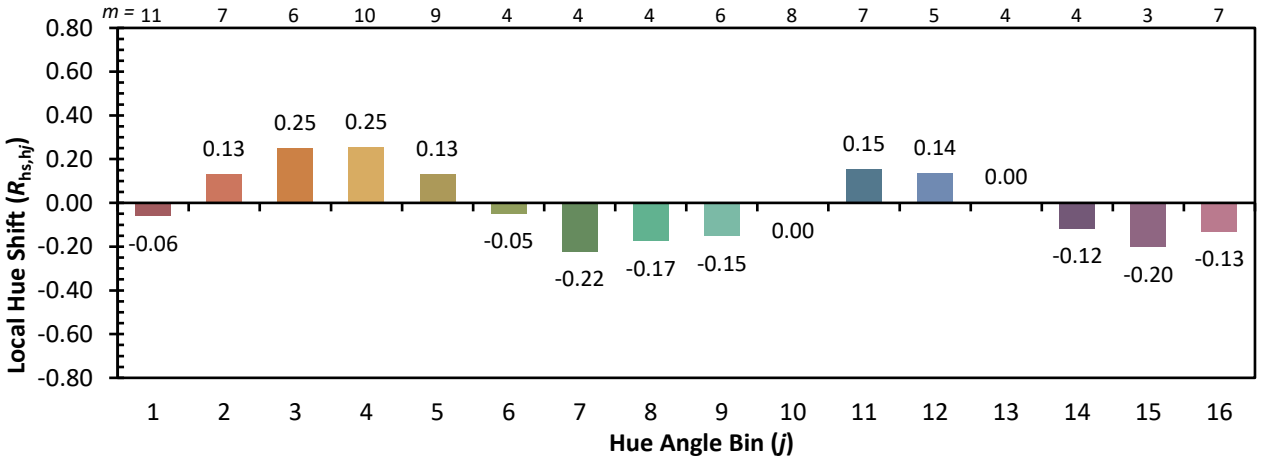


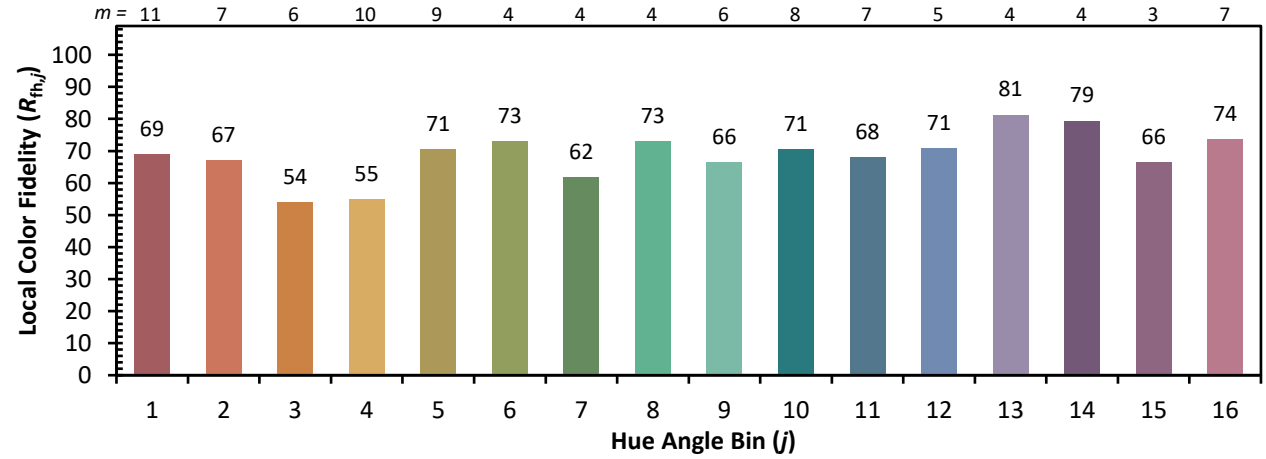
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Color Rendition by Hue-Angle Bin



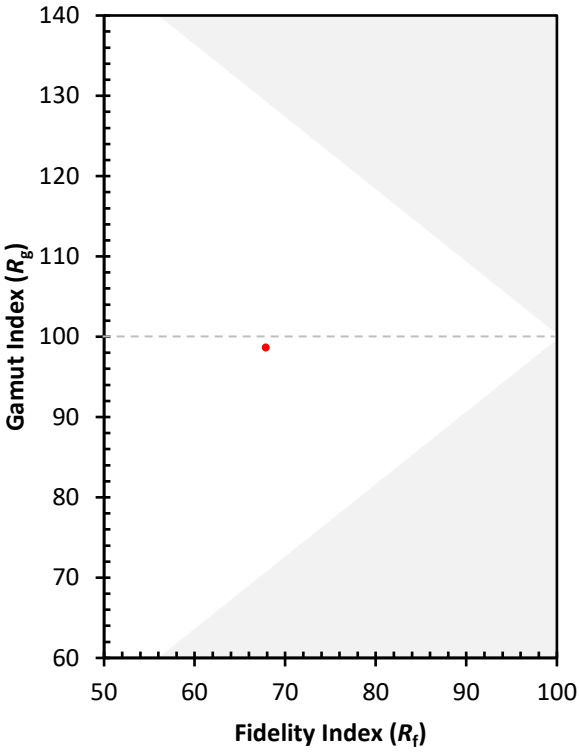


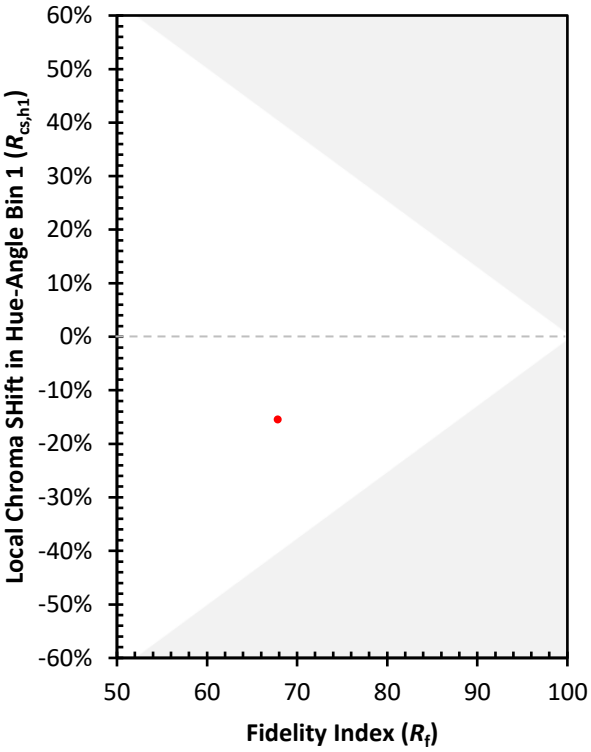


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Measure Comparisons





(END OF REPORT)