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: P1501427

Luminaire Tested: GSS-SB2C-735-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:	P1501427
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13765.1 lumens
Efficiency:	N/A
Efficacy:	135.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

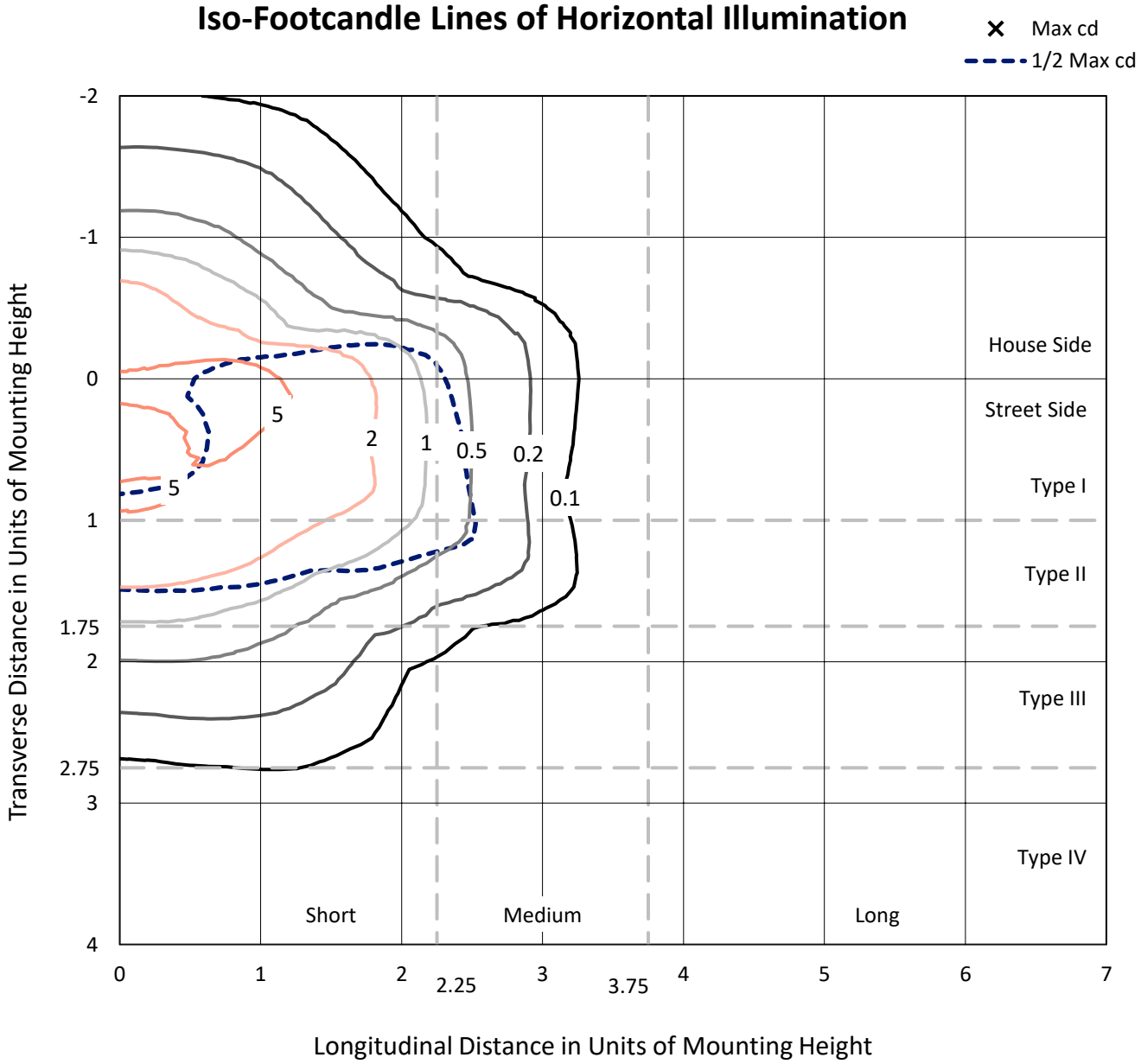
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



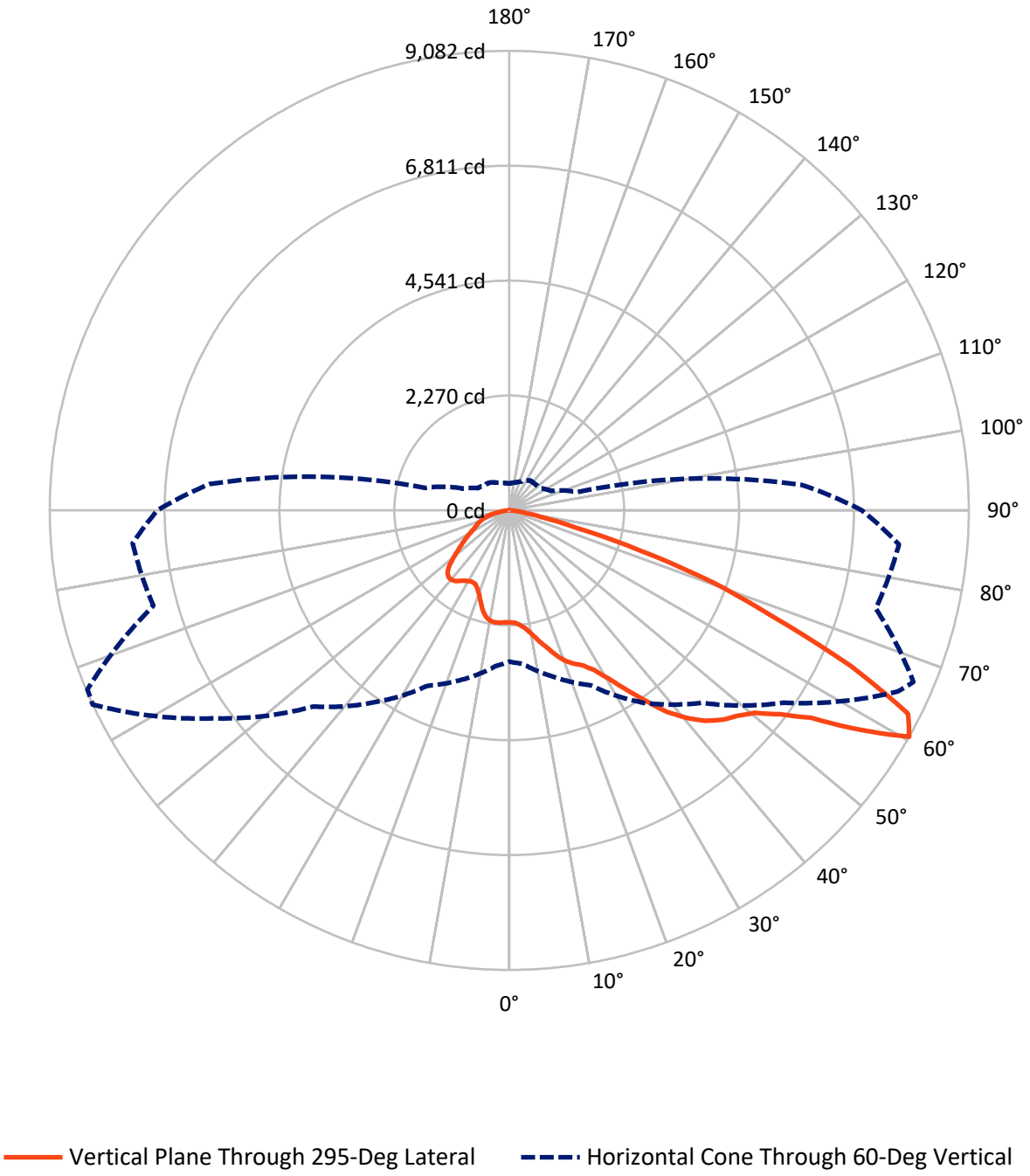
Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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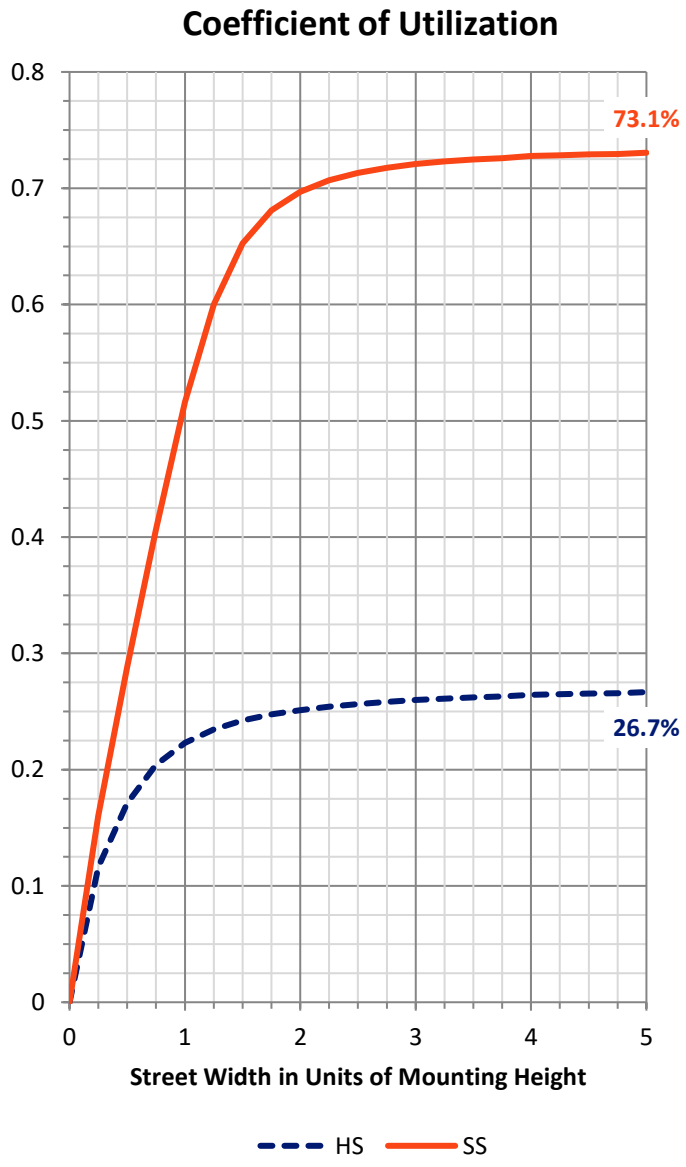
REPORT NUMBER: P1501427
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3701.6	0.0	3701.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	10063.5	0.0	10063.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	13765.1	0.0	13765.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	1.5
10°-20°	598.6	4.3
20°-30°	1133.9	8.2
30°-40°	1999.0	14.5
40°-50°	2956.3	21.5
50°-60°	3471.5	25.2
60°-70°	2515.2	18.3
70°-80°	775.7	5.6
80°-90°	106.8	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°	13765.1	100.0
0°-180°	13765.1	100.0



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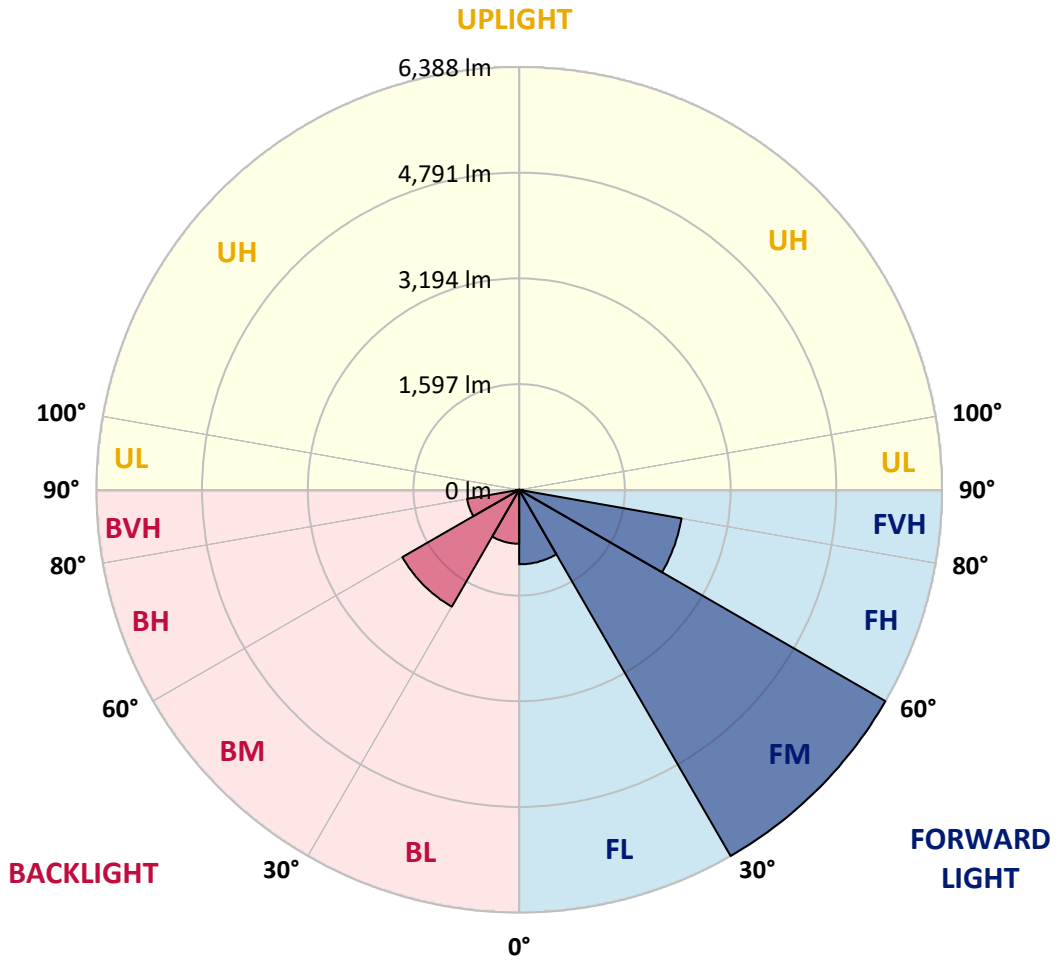
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1125.5	8.2			
FM	(30°-60°)	6388.5	46.4			
FH	(60°-80°)	2491.9	18.1			G2/5000
FVH	(80°-90°)	57.6	0.4			G1/100
BL	(0°-30°)	815.2	5.9	B2/1000		
BM	(30°-60°)	2038.2	14.8	B2/2500		
BH	(60°-80°)	799.0	5.8	B2/1000		G2/1000
BVH	(80°-90°)	49.2	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°	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7
2.5°	2258.7	2264.9	2255.5	2261.8	2261.8	2252.4	2249.3	2236.7	2243.0	2239.8	2236.7
5°	2312.0	2315.1	2308.9	2318.3	2318.3	2321.4	2318.3	2302.6	2302.6	2302.6	2296.3
7.5°	2296.3	2296.3	2299.4	2330.8	2362.2	2403.0	2403.0	2396.7	2403.0	2399.8	2371.6
10°	2164.6	2177.1	2205.3	2283.8	2359.1	2446.9	2506.5	2525.3	2525.3	2528.5	2481.4
12.5°	1929.3	1938.7	2004.6	2123.8	2280.6	2440.6	2584.9	2679.0	2688.4	2704.1	2641.4
15°	1719.1	1725.4	1772.4	1894.8	2073.6	2355.9	2628.8	2823.3	2854.7	2920.6	2826.5
17.5°	1737.9	1734.8	1747.3	1794.4	1923.0	2217.9	2619.4	2992.7	3049.2	3165.3	3083.7
20°	1850.9	1850.9	1860.3	1869.7	1916.7	2117.5	2550.4	3130.8	3240.6	3466.4	3372.3
22.5°	2029.7	2029.7	2026.5	2042.2	2042.2	2161.4	2553.5	3234.3	3397.4	3802.1	3711.1
25°	2277.5	2264.9	2264.9	2271.2	2243.0	2327.7	2632.0	3340.9	3554.3	4200.5	4122.1
27.5°	2556.7	2566.1	2559.8	2537.9	2500.2	2566.1	2820.2	3507.2	3729.9	4620.9	4589.5
30°	2861.0	2864.1	2870.4	2857.8	2826.5	2873.5	3115.1	3758.2	3962.1	5060.0	5129.1
32.5°	3159.0	3202.9	3187.2	3155.9	3168.4	3253.1	3479.0	4097.0	4307.2	5467.9	5712.5
35°	3538.6	3554.3	3617.0	3500.9	3504.1	3648.4	3943.3	4542.4	4746.3	5891.4	6296.0
37.5°	4090.7	4118.9	4090.7	3908.7	3880.5	4081.3	4395.0	4981.6	5129.1	6211.3	6838.7
40°	4633.4	4667.9	4715.0	4501.6	4322.8	4489.1	4821.6	5317.3	5471.0	6387.0	7199.5
42.5°	5082.0	5138.5	5088.3	5025.5	4862.4	4893.8	5119.6	5577.7	5731.4	6609.7	7563.4
45°	5461.6	5471.0	5493.0	5449.0	5367.5	5339.2	5373.7	5806.7	5976.1	6710.1	7742.2
47.5°	5618.4	5659.2	5678.0	5753.3	5838.0	5781.6	5590.2	5913.3	6067.0	6703.8	7798.7
50°	5533.7	5574.5	5674.9	5853.7	6057.6	6158.0	5844.3	6060.8	6233.3	6816.8	7914.7
52.5°	5311.0	5354.9	5518.0	5722.0	6063.9	6292.9	6201.9	6368.2	6534.4	7017.5	8109.2
55°	4771.4	4837.3	5066.3	5405.1	5875.7	6220.7	6578.4	6819.9	7001.9	7259.1	8310.0
57.5°	3987.2	4056.2	4313.4	4821.6	5527.5	5922.7	6688.2	7666.9	7748.5	7547.7	8328.8
60°	*2986.5*	*3042.9*	*3406.8*	*3814.6*	*4642.8*	*5376.9*	*6625.4*	*8470.0*	*8677.0*	*7497.5*	*7729.7*
62.5°	2365.3	2434.3	2757.5	2945.7	3538.6	4442.0	6405.8	8692.7	8871.5	7083.4	6895.2
65°	1847.7	1894.8	2195.9	2465.7	2610.0	3033.5	5489.8	7604.2	7764.2	6409.0	5690.6
67.5°	1220.3	1292.5	1650.1	2020.3	2095.5	1929.3	3777.0	5850.6	5925.9	5094.5	4278.9
70°	875.2	909.7	1176.4	1571.7	1684.6	1292.5	2057.9	4429.5	4451.5	3419.4	2882.9
72.5°	596.0	602.3	799.9	1204.6	1342.7	938.0	1132.5	2917.4	2842.2	1687.7	1650.1
75°	404.7	411.0	511.3	803.1	950.5	652.5	737.2	1590.5	1527.7	931.7	1000.7
77.5°	272.9	279.2	351.3	539.6	633.7	451.7	539.6	840.7	825.0	618.0	536.4
80°	207.0	216.5	260.4	345.1	442.3	263.5	307.4	398.4	404.7	329.4	272.9
82.5°	116.1	128.6	156.9	175.7	285.5	147.4	147.4	238.4	229.0	203.9	147.4
85°	50.2	53.3	62.7	65.9	116.1	62.7	53.3	103.5	106.7	100.4	47.1
87.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	12.5	12.5	12.5	12.5
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°	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7
2.5°	2221.0	2239.8	2221.0	2211.6	2211.6	2195.9	2189.7	2189.7	2167.7	2177.1	2170.8
5°	2271.2	2277.5	2255.5	2227.3	2189.7	2158.3	2114.4	2057.9	2023.4	2020.3	2023.4
7.5°	2349.6	2352.8	2293.2	2230.4	2136.3	2023.4	1888.5	1778.7	1681.5	1665.8	1684.6
10°	2459.4	2453.2	2365.3	2217.9	2020.3	1781.8	1574.8	1474.4	1417.9	1414.8	1411.7
12.5°	2606.9	2566.1	2431.2	2164.6	1819.5	1543.4	1436.8	1430.5	1446.2	1458.7	1461.9
15°	2776.3	2722.9	2484.5	2061.0	1615.6	1455.6	1461.9	1515.2	1534.0	1546.6	1546.6
17.5°	2986.5	2917.4	2544.1	1913.6	1512.1	1474.4	1518.3	1568.5	1599.9	1612.4	1609.3
20°	3265.7	3121.4	2591.2	1772.4	1483.8	1505.8	1543.4	1593.6	1625.0	1640.7	1640.7
22.5°	3544.9	3366.0	2600.6	1675.2	1483.8	1508.9	1543.4	1593.6	1628.1	1643.8	1640.7
25°	3924.4	3679.7	2603.7	1606.2	1487.0	1493.2	1524.6	1568.5	1618.7	1634.4	1640.7
27.5°	4329.1	4024.8	2619.4	1590.5	1474.4	1471.3	1493.2	1534.0	1584.2	1625.0	1628.1
30°	4831.0	4413.8	2625.7	1606.2	1477.5	1436.8	1452.4	1493.2	1546.6	1587.3	1599.9
32.5°	5323.6	4774.6	2613.2	1640.7	1483.8	1414.8	1417.9	1443.0	1499.5	1527.7	1549.7
35°	5844.3	5157.3	2591.2	1687.7	1487.0	1405.4	1377.2	1389.7	1427.4	1430.5	1439.9
37.5°	6252.1	5442.8	2525.3	1750.5	1493.2	1370.9	1314.4	1305.0	1289.3	1258.0	1264.2
40°	6587.8	5634.1	2415.5	1781.8	1477.5	1330.1	1236.0	1192.1	1132.5	1085.4	1094.8
42.5°	6829.3	5762.7	2283.8	1788.1	1452.4	1261.1	1145.0	1069.7	1003.9	953.7	956.8
45°	6936.0	5750.2	2142.6	1741.1	1392.8	1176.4	1060.3	988.2	916.0	862.7	856.4
47.5°	6939.1	5627.8	1948.1	1628.1	1292.5	1079.1	981.9	903.5	843.9	806.2	803.1
50°	6964.2	5558.8	1766.2	1465.0	1160.7	975.6	912.9	834.5	799.9	746.6	730.9
52.5°	7121.1	5671.8	1640.7	1286.2	1038.4	900.3	853.3	784.3	727.8	693.3	690.1
55°	7375.2	5866.3	1571.7	1151.3	922.3	828.2	796.8	737.2	687.0	652.5	643.1
57.5°	7406.5	5966.6	1490.1	1025.8	828.2	771.7	759.2	693.3	621.1	596.0	586.6
60°	*6967.4*	*5797.2*	*1389.7*	*909.7*	*759.2*	*727.8*	*721.5*	*633.7*	*574.1*	*542.7*	*530.2*
62.5°	6368.2	5373.7	1236.0	803.1	705.8	683.9	658.8	589.8	514.5	480.0	470.6
65°	5204.3	4517.3	1050.9	730.9	652.5	627.4	621.1	527.0	476.8	458.0	454.9
67.5°	3943.3	3629.6	925.4	677.6	596.0	586.6	564.7	533.3	511.3	489.4	483.1
70°	2788.8	2619.4	787.4	608.6	539.6	523.9	614.9	580.4	501.9	473.7	470.6
72.5°	1690.9	1643.8	680.7	545.8	464.3	489.4	567.8	523.9	451.7	417.2	404.7
75°	1066.6	975.6	570.9	464.3	370.2	398.4	495.7	467.4	389.0	354.5	345.1
77.5°	580.4	539.6	429.8	379.6	291.7	323.1	432.9	385.9	310.6	338.8	301.2
80°	254.1	282.3	285.5	219.6	194.5	238.4	310.6	301.2	238.4	241.6	200.8
82.5°	122.3	160.0	185.1	150.6	109.8	141.2	207.0	172.5	160.0	150.6	144.3
85°	37.6	59.6	81.6	72.2	50.2	59.6	97.2	94.1	112.9	97.2	91.0
87.5°	12.5	12.5	9.4	9.4	9.4	12.5	15.7	9.4	3.1	3.1	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°	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7
2.5°	2167.7	2170.8	2170.8	2174.0	2174.0	2183.4	2195.9	2208.5	2199.1	2211.6	2214.7
5°	2017.1	2032.8	2045.3	2092.4	2130.0	2161.4	2195.9	2227.3	2236.7	2243.0	2258.7
7.5°	1662.6	1706.5	1788.1	1894.8	2014.0	2130.0	2208.5	2290.0	2302.6	2318.3	2340.2
10°	1414.8	1433.6	1490.1	1599.9	1813.2	2042.2	2233.6	2362.2	2415.5	2446.9	2468.8
12.5°	1455.6	1443.0	1433.6	1449.3	1587.3	1882.2	2217.9	2465.7	2566.1	2600.6	2628.8
15°	1552.8	1540.3	1505.8	1461.9	1477.5	1712.8	2164.6	2563.0	2722.9	2779.4	2839.0
17.5°	1609.3	1596.8	1568.5	1521.5	1480.7	1571.7	2064.2	2650.8	2970.8	3039.8	3124.5
20°	1640.7	1628.1	1599.9	1552.8	1505.8	1518.3	1935.6	2760.6	3253.1	3362.9	3488.4
22.5°	1646.9	1631.3	1599.9	1552.8	1524.6	1515.2	1813.2	2826.5	3557.4	3726.8	3871.1
25°	1643.8	1615.6	1574.8	1540.3	1524.6	1521.5	1728.5	2864.1	3886.8	4156.6	4319.7
27.5°	1621.8	1587.3	1546.6	1521.5	1515.2	1534.0	1690.9	2908.0	4272.6	4617.7	4878.1
30°	1596.8	1546.6	1496.4	1487.0	1502.6	1562.2	1722.2	2923.7	4677.3	5119.6	5386.3
32.5°	1530.9	1493.2	1443.0	1439.9	1477.5	1584.2	1794.4	2901.8	5034.9	5621.6	5957.2
35°	1436.8	1414.8	1386.6	1396.0	1455.6	1603.0	1844.6	2832.7	5361.2	6089.0	6481.1
37.5°	1270.5	1286.2	1301.9	1323.8	1399.1	1599.9	1866.5	2722.9	5631.0	6462.3	6964.2
40°	1085.4	1138.7	1188.9	1245.4	1345.8	1574.8	1872.8	2588.1	5787.8	6744.6	7394.0
42.5°	969.3	1019.5	1082.3	1163.8	1273.6	1518.3	1866.5	2437.5	5838.0	6939.1	7666.9
45°	862.7	922.3	1000.7	1085.4	1210.9	1436.8	1810.1	2274.4	5863.1	7030.1	7783.0
47.5°	806.2	840.7	912.9	997.6	1129.3	1336.4	1700.3	2155.1	5825.5	7048.9	7924.2
50°	740.3	787.4	834.5	916.0	1044.6	1210.9	1568.5	2086.1	5888.2	7234.0	8146.9
52.5°	690.1	715.2	765.4	840.7	934.8	1094.8	1443.0	2029.7	6060.8	7422.2	8379.0
55°	652.5	680.7	712.1	774.8	847.0	978.8	1314.4	1945.0	6261.5	7623.0	8611.2
57.5°	592.9	611.7	655.6	721.5	768.6	865.8	1163.8	1844.6	6245.8	7466.1	8209.6
60°	*539.6*	*558.4*	*605.4*	*671.3*	*699.6*	*765.4*	*1016.4*	*1716.0*	*5944.7*	*6954.8*	*7469.3*
62.5°	480.0	501.9	558.4	605.4	630.5	680.7	862.7	1480.7	5317.3	6186.2	6603.5
65°	454.9	467.4	505.1	561.5	558.4	605.4	727.8	1163.8	4278.9	4727.5	5107.1
67.5°	483.1	501.9	495.7	511.3	501.9	527.0	652.5	934.8	3362.9	3560.5	3780.1
70°	476.8	520.7	542.7	511.3	439.2	467.4	564.7	746.6	2406.1	2387.3	2377.9
72.5°	417.2	461.1	523.9	555.3	429.8	389.0	489.4	646.2	1543.4	1537.1	1389.7
75°	354.5	385.9	461.1	501.9	370.2	313.7	420.4	549.0	922.3	934.8	834.5
77.5°	326.3	310.6	385.9	442.3	301.2	241.6	338.8	414.1	508.2	514.5	476.8
80°	235.3	225.9	288.6	323.1	229.0	172.5	191.4	257.2	272.9	244.7	254.1
82.5°	150.6	153.7	172.5	207.0	141.2	94.1	131.8	172.5	147.4	119.2	141.2
85°	97.2	109.8	91.0	106.7	43.9	43.9	56.5	75.3	50.2	34.5	37.6
87.5°	0.0	0.0	6.3	12.5	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: P1501427
CATALOG NUMBER: GSS-SB2C-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2214.7	2214.7	*2214.7*	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7	2214.7
2.5°	2224.2	2221.0	*2221.0*	2227.3	2243.0	2249.3	2258.7	2255.5	2264.9	2258.7
5°	2268.1	2271.2	*2280.6*	2283.8	2293.2	2305.7	2308.9	2305.7	2312.0	2312.0
7.5°	2355.9	2368.5	*2362.2*	2377.9	2365.3	2349.6	2324.5	2305.7	2290.0	2296.3
10°	2503.4	2497.1	*2493.9*	2465.7	2409.2	2327.7	2261.8	2189.7	2177.1	2164.6
12.5°	2666.5	2660.2	*2660.2*	2563.0	2403.0	2233.6	2083.0	1970.1	1932.4	1929.3
15°	2895.5	2854.7	*2817.1*	2613.2	2293.2	2004.6	1828.9	1741.1	1719.1	1719.1
17.5°	3181.0	3074.3	*3011.6*	2575.5	2114.4	1854.0	1750.5	1728.5	1722.2	1737.9
20°	3535.4	3265.7	*3174.7*	2490.8	2048.5	1872.8	1822.6	1825.8	1828.9	1850.9
22.5°	3924.4	3441.3	*3290.8*	2490.8	2114.4	1992.0	1966.9	2001.4	2010.8	2029.7
25°	4357.3	3598.2	*3394.3*	2622.6	2308.9	2217.9	2186.5	2221.0	2246.1	2277.5
27.5°	4843.6	3761.3	*3573.1*	2861.0	2559.8	2503.4	2468.8	2484.5	2519.0	2556.7
30°	5279.6	4034.2	*3846.0*	3224.9	2901.8	2832.7	2773.1	2798.2	2835.9	2861.0
32.5°	5665.5	4366.8	*4206.8*	3607.6	3293.9	3174.7	3108.8	3102.5	3177.8	3159.0
35°	6020.0	4758.9	*4605.2*	4043.6	3692.3	3544.9	3457.0	3569.9	3519.8	3538.6
37.5°	6299.2	5166.7	*5044.4*	4460.9	4106.4	3905.6	3852.3	3990.3	4068.7	4090.7
40°	6528.2	5521.2	*5392.6*	4875.0	4486.0	4338.5	4423.2	4652.2	4642.8	4633.4
42.5°	6703.8	5825.5	*5684.3*	5188.7	4849.9	4878.1	4944.0	5097.7	5135.3	5082.0
45°	6782.3	6016.8	*5903.9*	5436.5	5263.9	5427.1	5455.3	5521.2	5496.1	5461.6
47.5°	6873.2	6186.2	*6067.0*	5662.4	5712.5	5872.5	5816.1	5762.7	5671.8	5618.4
50°	7027.0	6387.0	*6286.6*	5991.7	6173.7	6120.4	5900.8	5781.6	5596.5	5533.7
52.5°	7318.7	6766.6	*6691.3*	6512.5	6390.1	6082.7	5816.1	5602.7	5395.7	5311.0
55°	7579.1	7281.1	*7237.1*	6998.7	6324.3	5885.1	5527.5	5198.1	4843.6	4771.4
57.5°	7729.7	8134.3	*8184.5*	7205.8	6023.1	5436.5	4909.5	4382.4	4046.8	3987.2
60°	*7281.1*	*9056.6*	*9081.7*	*7165.0*	*5480.4*	*4627.1*	*3824.0*	*3450.7*	*3090.0*	*2986.5*
62.5°	6663.1	8865.3	*8843.3*	6920.3	4363.6	3375.5	2904.9	2729.2	2450.0	2365.3
65°	5728.2	7384.6	*7409.7*	5979.2	2901.8	2440.6	2440.6	2217.9	1907.3	1847.7
67.5°	4667.9	5693.7	*5637.3*	3877.4	1781.8	1954.4	2048.5	1728.5	1292.5	1220.3
70°	3033.5	4347.9	*4269.5*	2236.7	1119.9	1628.1	1612.4	1298.7	925.4	875.2
72.5°	1305.0	2512.8	*2672.8*	1141.9	843.9	1311.3	1286.2	909.7	618.0	596.0
75°	787.4	1264.2	*1377.2*	727.8	614.9	988.2	890.9	577.2	420.4	404.7
77.5°	498.8	693.3	*687.0*	545.8	461.1	668.2	599.2	398.4	285.5	272.9
80°	288.6	341.9	*354.5*	341.9	310.6	476.8	382.7	288.6	222.7	207.0
82.5°	185.1	213.3	*216.5*	166.3	172.5	307.4	207.0	169.4	128.6	116.1
85°	81.6	91.0	*87.8*	56.5	56.5	125.5	72.2	69.0	50.2	50.2
87.5°	3.1	6.3	*3.1*	3.1	3.1	12.5	6.3	9.4	9.4	9.4
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

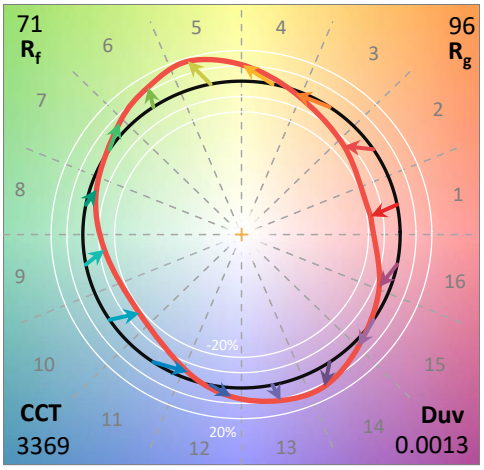
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

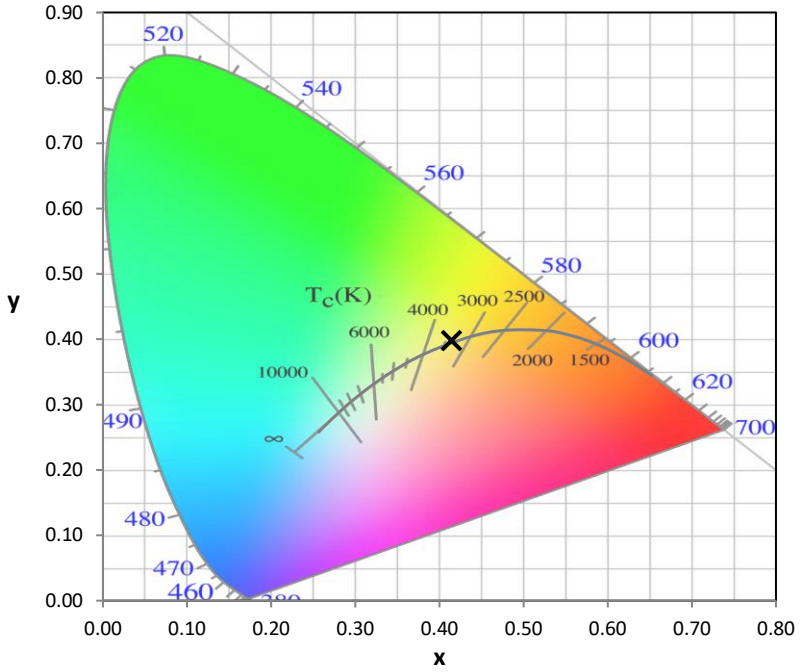
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

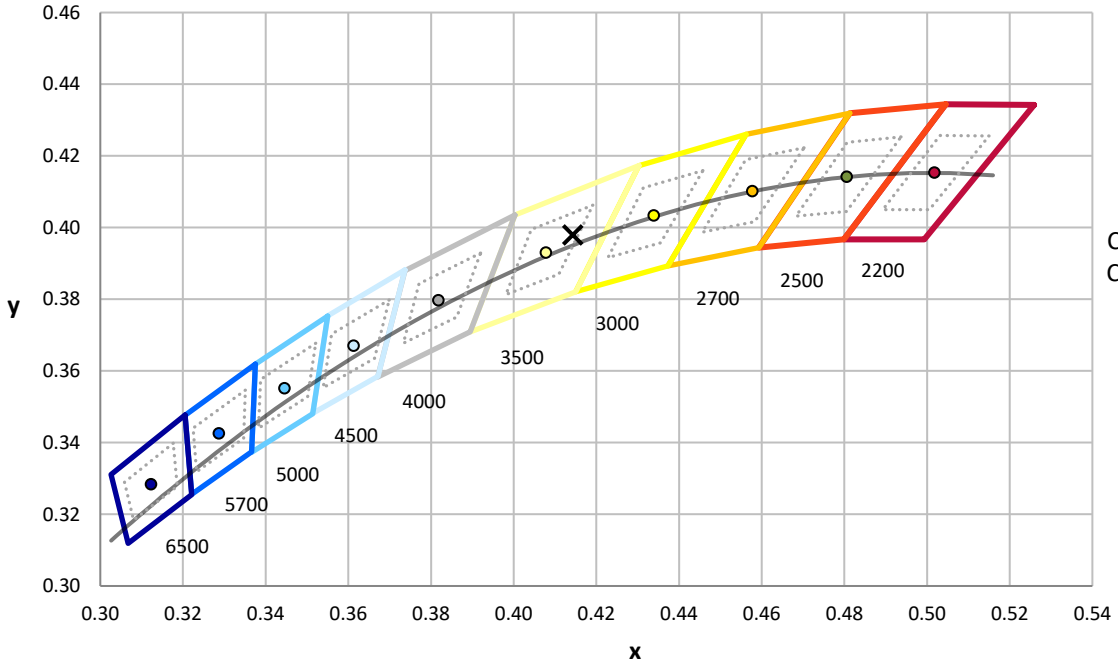
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

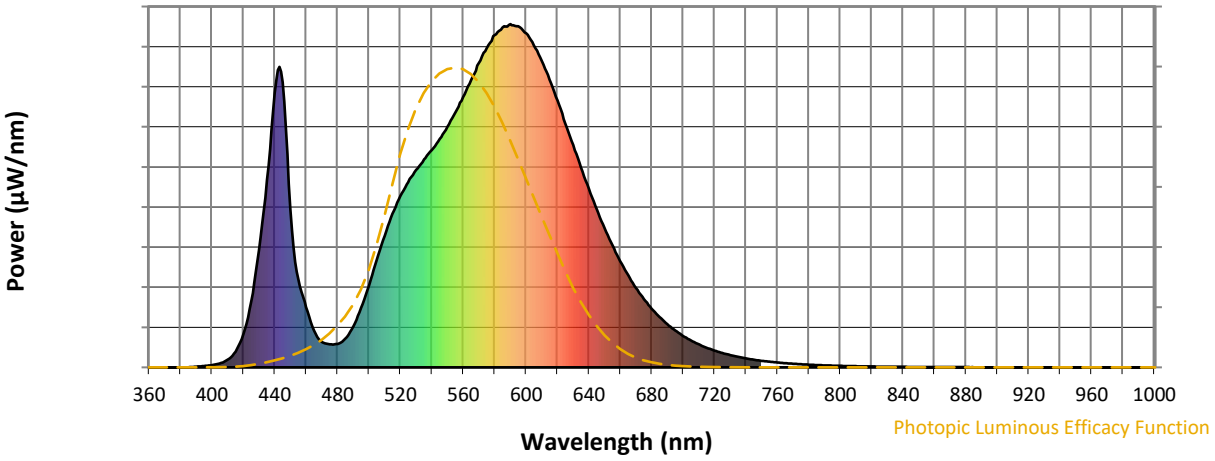


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

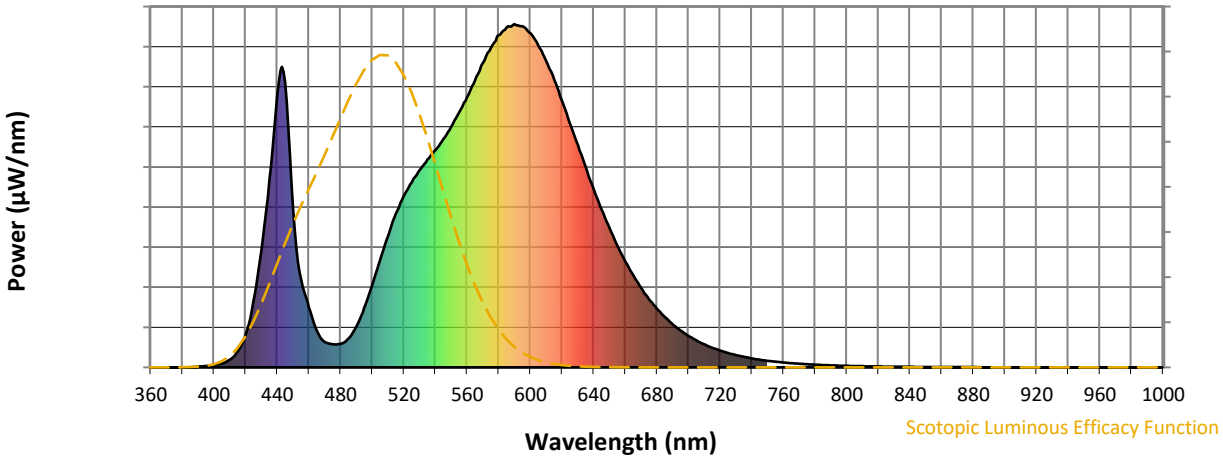


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

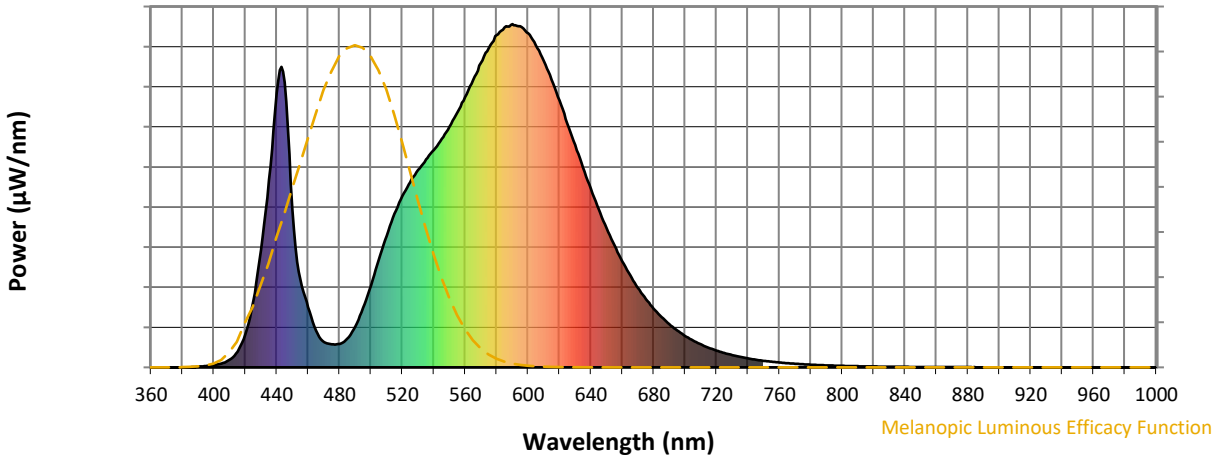


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

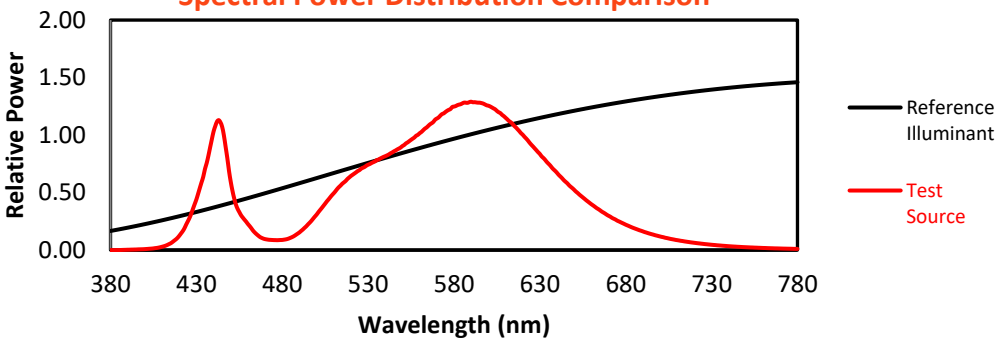
REPORT NUMBER: SP1-2407-184-5

TM-30-18

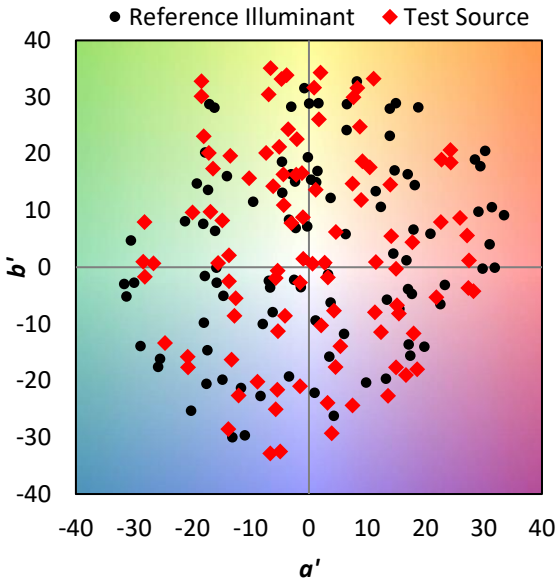
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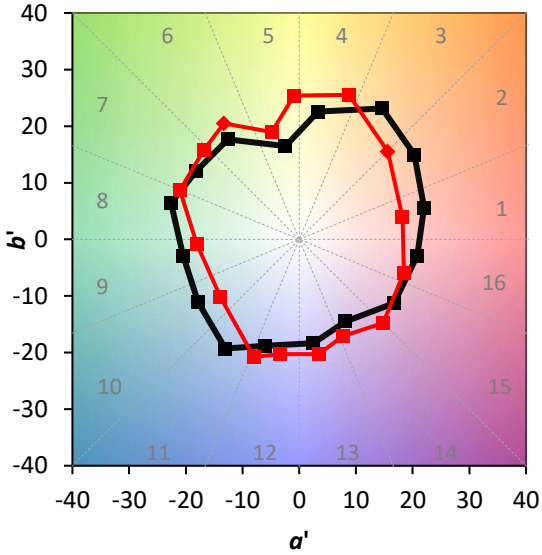
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

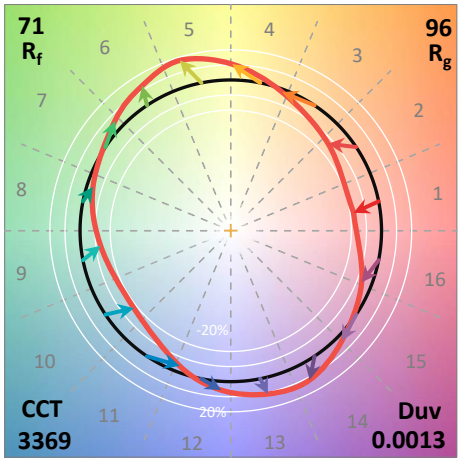
Spectral Power Distribution Comparison

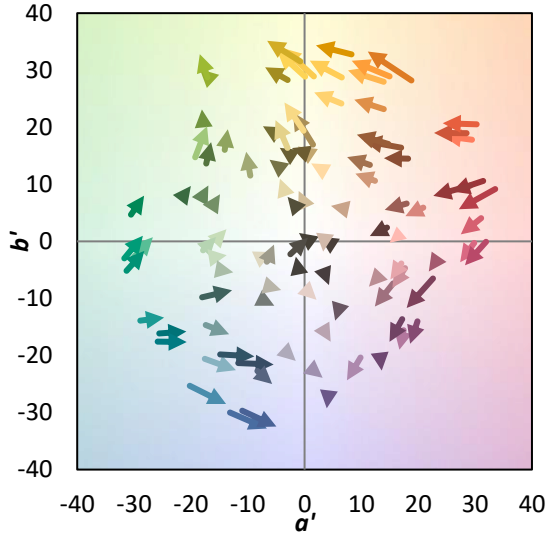


Color Vector Graphics







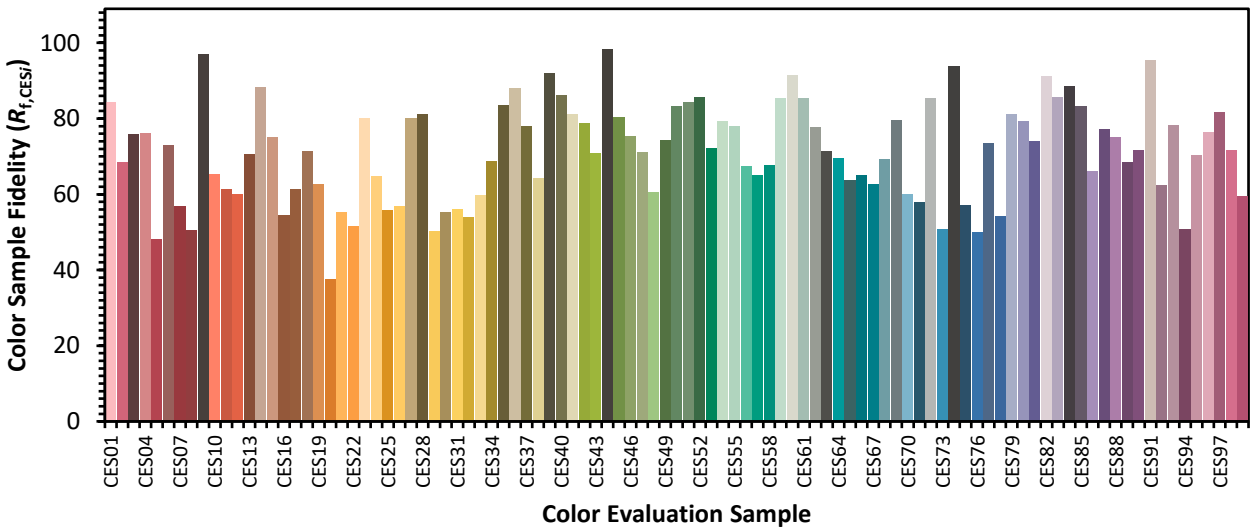


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Individual Sample Fidelity Index ($R_{f,i}$)

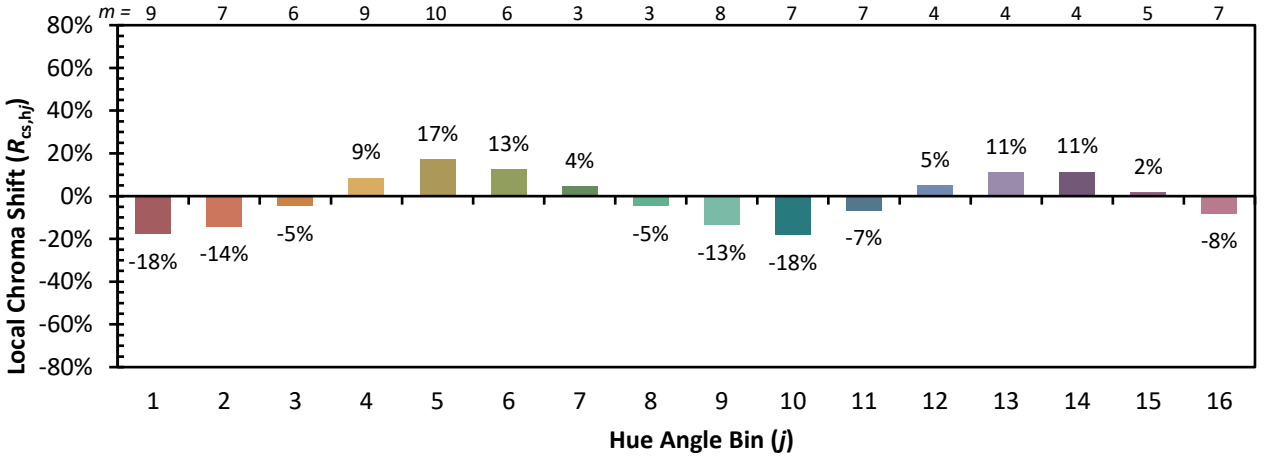
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

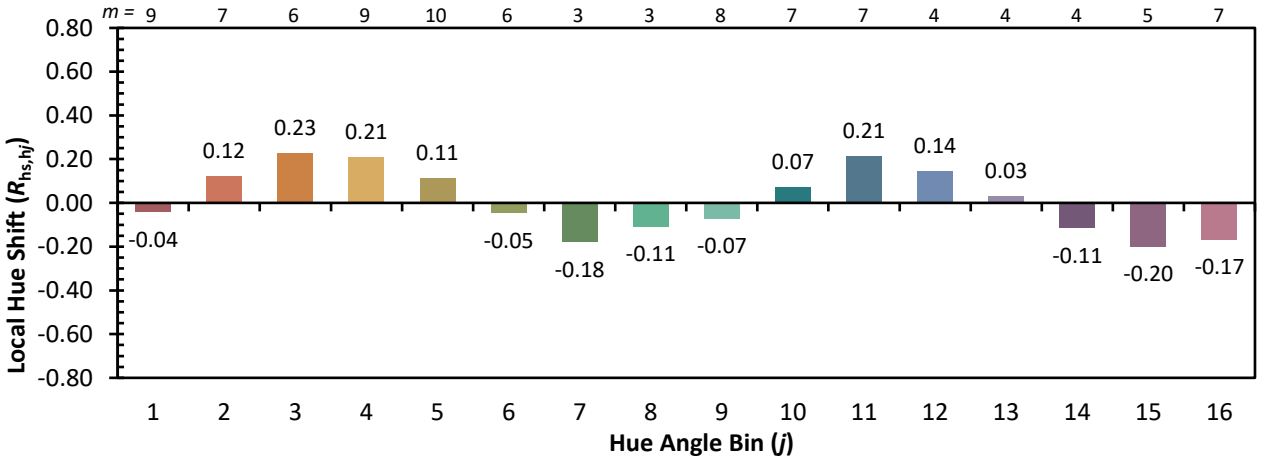


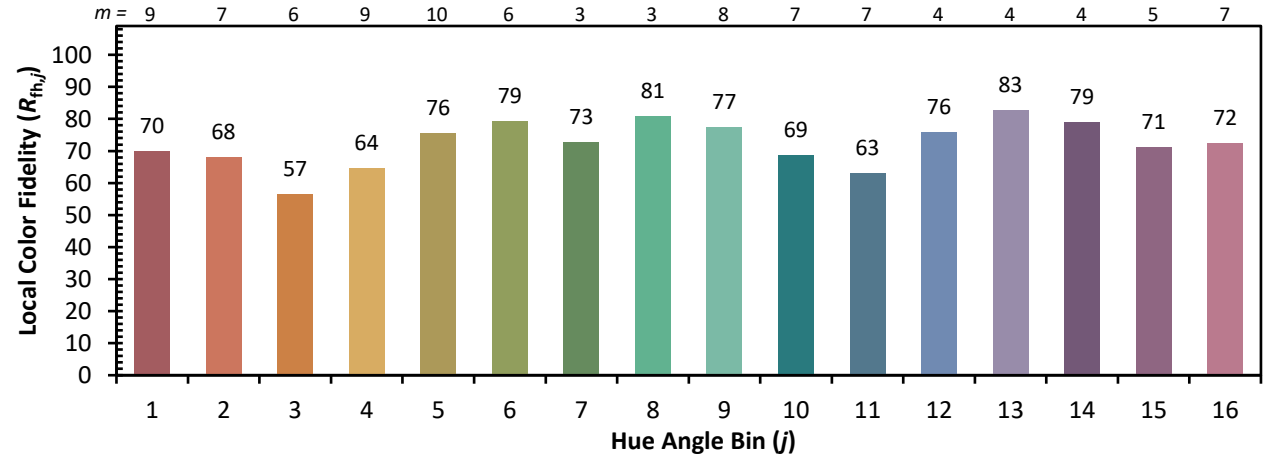
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Color Rendition by Hue-Angle Bin



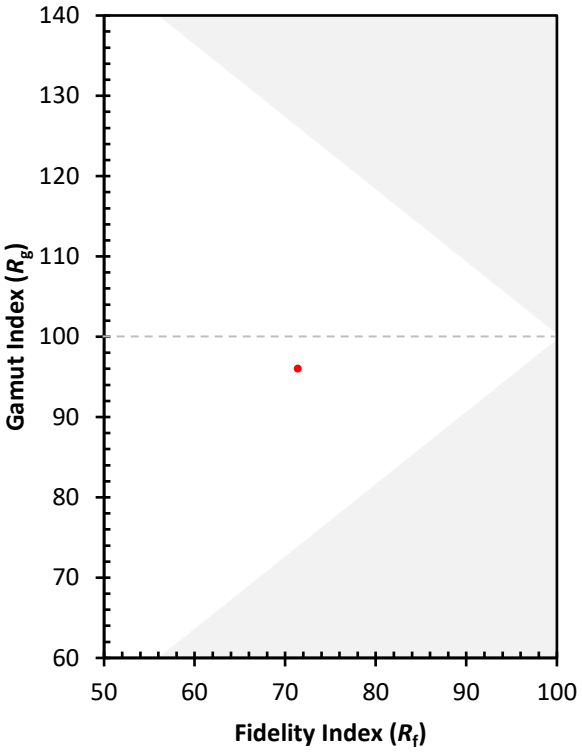


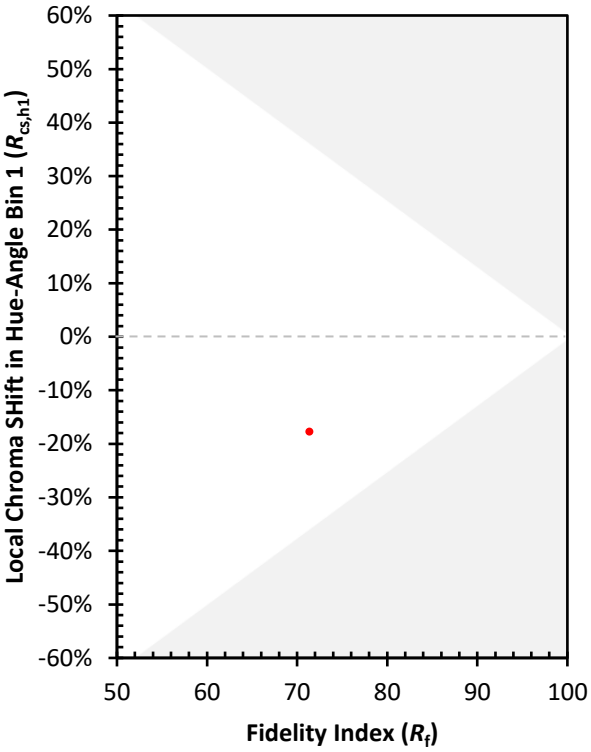


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Measure Comparisons





(END OF REPORT)