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: P1501813

Luminaire Tested: GSS-SB3A-735-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501813
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10158.3 lumens
Efficiency:	N/A
Efficacy:	119.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

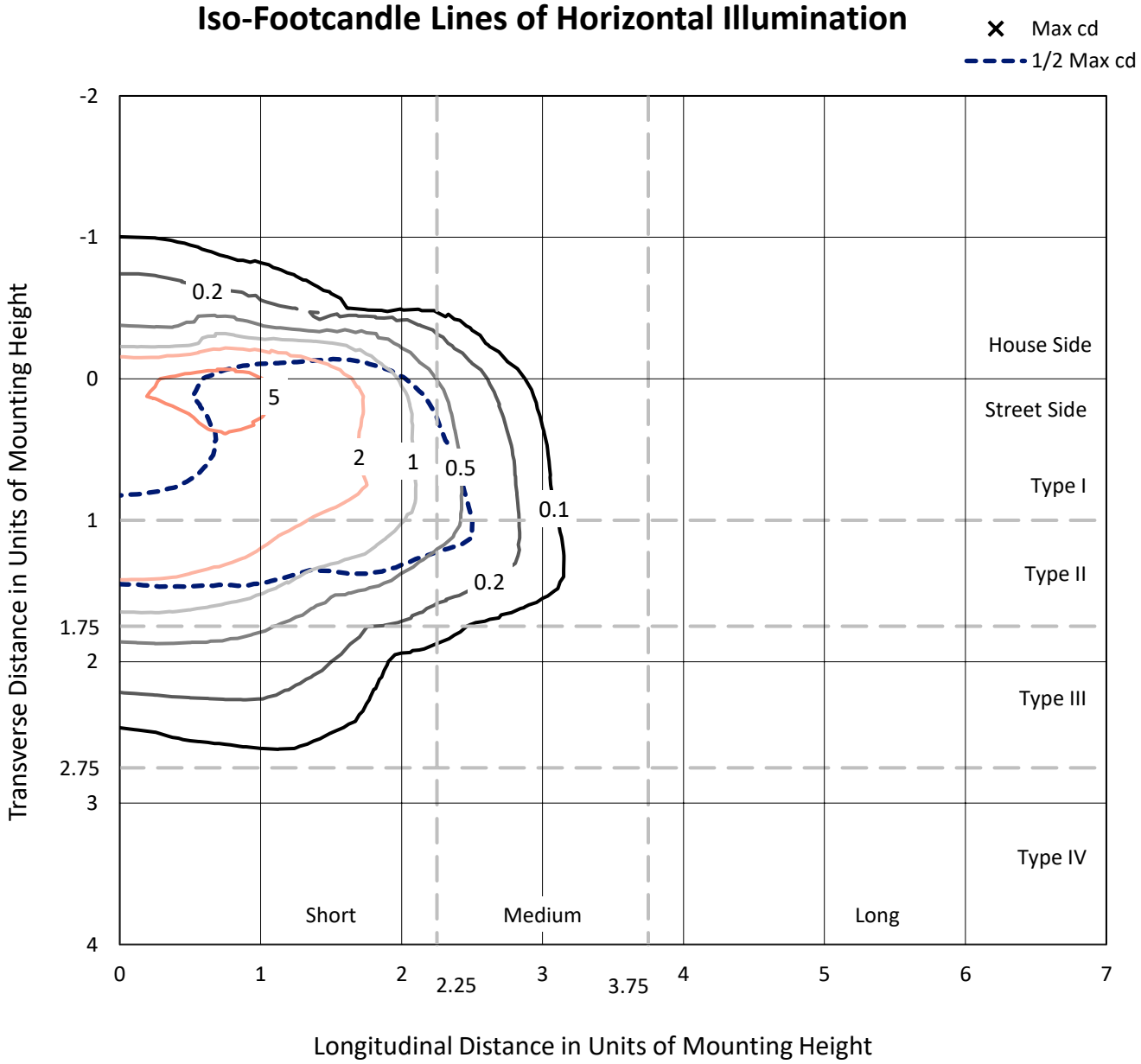
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



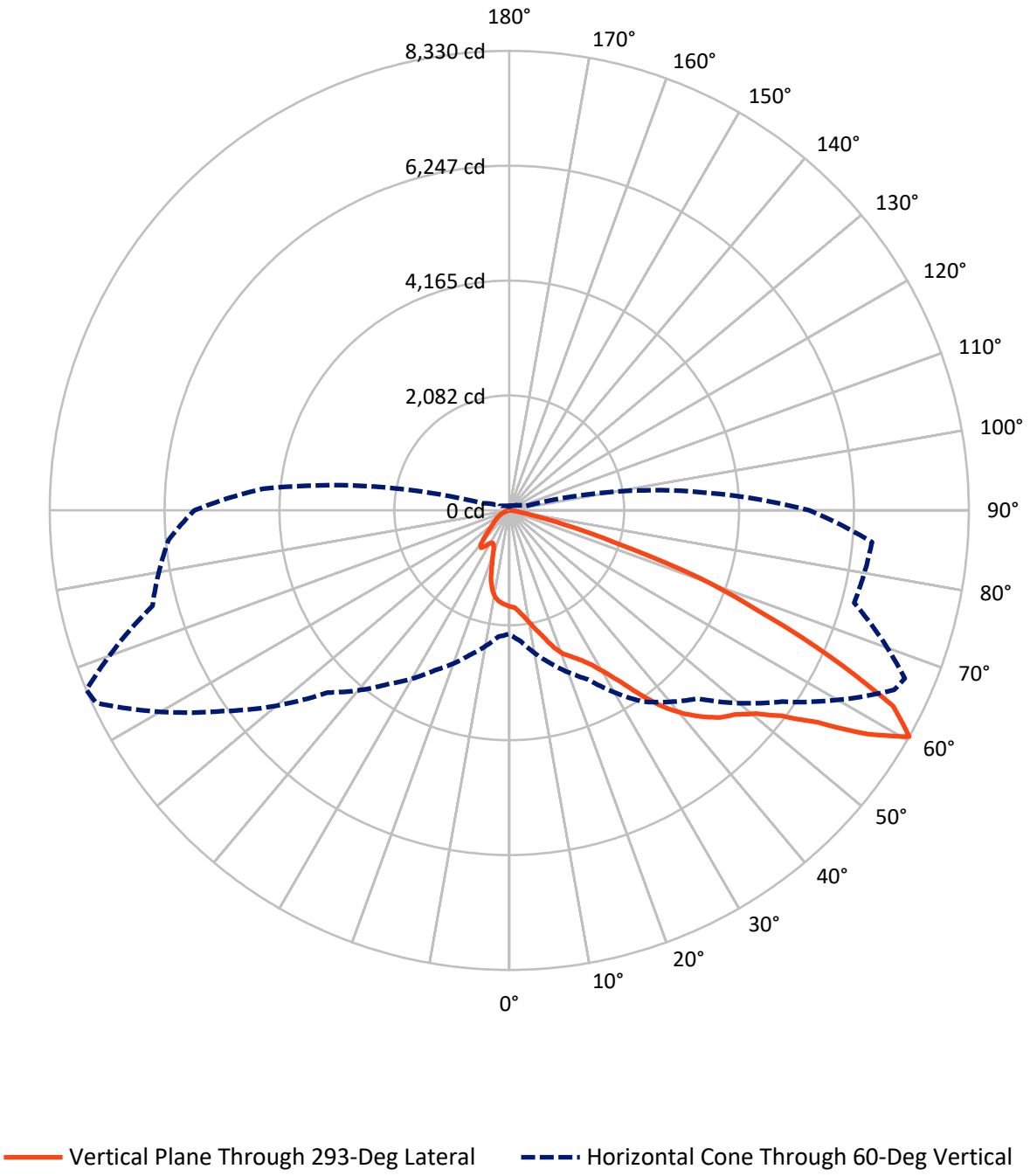
Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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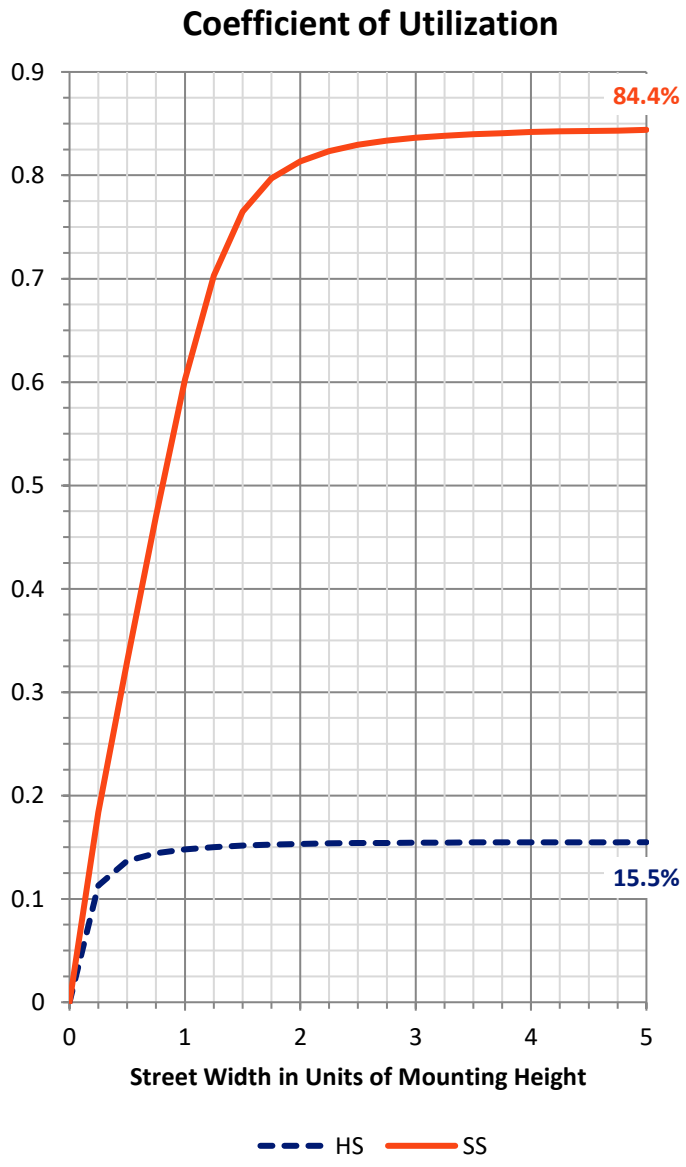
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1584.9	0.0	1584.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	8573.4	0.0	8573.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	10158.3	0.0	10158.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	1.6
10°-20°	397.0	3.9
20°-30°	741.2	7.3
30°-40°	1469.9	14.5
40°-50°	2343.5	23.1
50°-60°	2799.9	27.6
60°-70°	1835.5	18.1
70°-80°	384.6	3.8
80°-90°	29.1	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°	10158.3	100.0
0°-180°	10158.3	100.0



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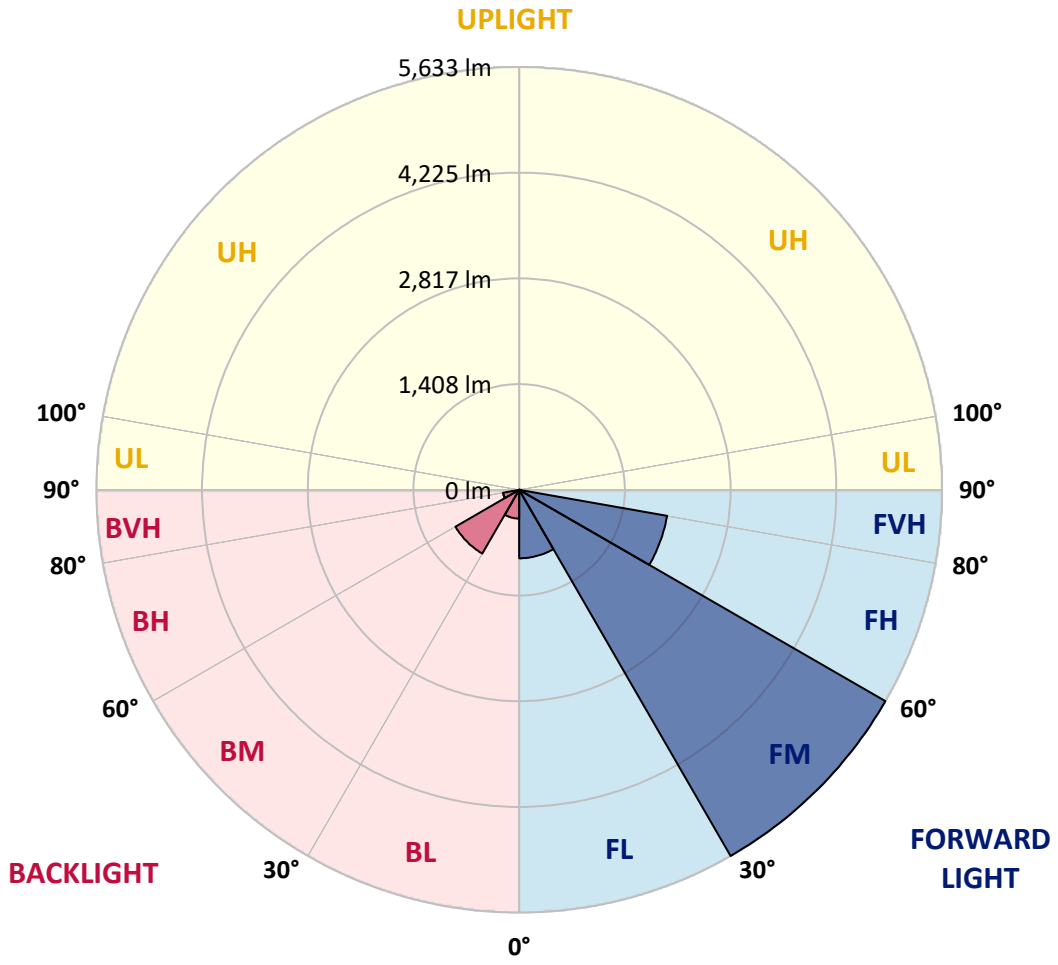
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	912.4	9.0			
FM	(30°-60°)	5633.2	55.5			
FH	(60°-80°)	2001.1	19.7			G2/5000
FVH	(80°-90°)	26.7	0.3			G1/100
BL	(0°-30°)	383.4	3.8	B1/500		
BM	(30°-60°)	980.1	9.6	B1/1000		
BH	(60°-80°)	218.9	2.2	B1/500		G1/500
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0
2.5°	1829.2	1823.5	1815.0	1817.8	1815.0	1803.6	1786.6	1772.3	1783.7	1766.6	1755.3
5°	1883.3	1883.3	1877.6	1877.6	1880.4	1874.7	1863.4	1843.5	1846.3	1832.1	1795.1
7.5°	1883.3	1874.7	1889.0	1903.2	1928.8	1943.0	1948.7	1937.3	1943.0	1914.6	1866.2
10°	1772.3	1766.6	1803.6	1857.7	1931.6	1997.1	2039.7	2042.6	2051.1	2022.7	1965.8
12.5°	1536.2	1524.8	1598.8	1701.2	1852.0	2002.8	2122.2	2167.8	2187.7	2176.3	2096.6
15°	1317.2	1331.4	1382.6	1493.5	1695.5	1926.0	2167.8	2318.5	2347.0	2361.2	2267.3
17.5°	1294.4	1297.2	1314.3	1368.4	1522.0	1800.8	2173.5	2475.0	2514.8	2577.4	2449.4
20°	1357.0	1351.3	1368.4	1385.4	1459.4	1689.8	2119.4	2625.8	2702.6	2836.3	2696.9
22.5°	1473.6	1473.6	1482.2	1493.5	1530.5	1681.3	2096.6	2765.2	2896.0	3169.1	3007.0
25°	1669.9	1647.2	1652.8	1638.6	1669.9	1783.7	2147.8	2876.1	3055.4	3539.0	3376.8
27.5°	1974.3	1982.8	1931.6	1854.8	1871.9	1968.6	2273.0	3001.3	3220.4	3923.0	3752.3
30°	2395.3	2381.1	2349.8	2199.1	2130.8	2216.1	2503.5	3206.1	3442.2	4409.5	4253.0
32.5°	2725.3	2765.2	2711.1	2605.9	2500.6	2526.2	2827.8	3536.1	3712.5	4856.1	4770.8
35°	3123.6	3123.6	3135.0	2987.1	2916.0	2910.3	3234.6	3894.6	4071.0	5260.1	5319.8
37.5°	3661.3	3624.3	3561.7	3396.7	3342.7	3413.8	3615.8	4264.4	4455.0	5587.3	5746.6
40°	4113.6	4139.2	4130.7	3891.7	3786.5	3863.3	4042.5	4580.2	4728.1	5797.8	6090.8
42.5°	4557.4	4571.6	4534.7	4420.9	4267.2	4272.9	4420.9	4819.1	4969.9	5999.8	6415.1
45°	4890.3	4887.4	4861.8	4833.4	4742.3	4648.5	4674.1	5083.7	5214.6	6065.2	6591.5
47.5°	4995.5	5018.3	5041.0	5120.7	5183.3	5035.4	4904.5	5226.0	5345.4	6053.8	6656.9
50°	4898.8	4947.2	5058.1	5177.6	5391.0	5379.6	5097.9	5379.6	5496.2	6116.4	6733.7
52.5°	4682.6	4731.0	4878.9	5095.1	5416.6	5575.9	5456.4	5638.5	5775.0	6275.7	6893.0
55°	4179.1	4199.0	4503.4	4787.9	5288.5	5490.5	5840.4	6076.6	6190.4	6469.1	7103.5
57.5°	3402.4	3450.8	3749.5	4213.2	4930.1	5265.8	6059.5	6824.8	6821.9	6654.1	7149.1
60°	*2238.9*	*2381.1*	*2867.6*	*3379.7*	*4236.0*	*4824.8*	*6045.3*	*7701.0*	*7789.2*	*6472.0*	*6600.0*
62.5°	1709.7	1769.5	2045.4	2472.2	3135.0	3999.8	5951.4	7962.7	8031.0	5982.7	5777.9
65°	1285.9	1359.8	1624.4	2005.6	2213.3	2711.1	5336.9	6921.5	7015.4	5339.8	4492.0
67.5°	788.0	847.8	1200.5	1647.2	1675.6	1684.1	3601.6	5243.0	5277.2	4307.1	3024.1
70°	526.3	586.0	830.7	1266.0	1334.2	970.1	1977.2	3968.5	3965.7	2947.2	1837.8
72.5°	304.4	332.8	526.3	933.1	1049.7	617.3	987.2	2523.4	2412.4	1385.4	859.1
75°	173.5	193.4	290.2	600.3	736.8	392.6	389.7	1351.3	1194.8	714.1	469.4
77.5°	105.3	113.8	159.3	392.6	443.8	264.6	216.2	628.7	605.9	418.2	247.5
80°	51.2	59.7	96.7	230.4	284.5	142.2	130.9	247.5	264.6	230.4	130.9
82.5°	17.1	22.8	54.1	88.2	184.9	56.9	54.1	136.6	145.1	136.6	62.6
85°	8.5	11.4	25.6	28.4	71.1	28.4	19.9	59.7	74.0	45.5	25.6
87.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	5.7	5.7
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°	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0
2.5°	1746.7	1741.0	1729.7	1709.7	1706.9	1692.7	1669.9	1655.7	1644.3	1652.8	1655.7
5°	1778.0	1763.8	1729.7	1675.6	1618.7	1561.8	1507.8	1445.2	1402.5	1396.8	1385.4
7.5°	1834.9	1806.5	1732.5	1627.2	1482.2	1345.6	1186.3	1032.7	955.9	944.5	918.9
10°	1926.0	1877.6	1755.3	1541.9	1263.1	978.6	736.8	571.8	477.9	460.9	466.6
12.5°	2034.1	1965.8	1758.1	1396.8	961.6	605.9	418.2	355.6	335.7	327.2	327.2
15°	2173.5	2073.9	1755.3	1209.1	648.6	389.7	335.7	310.1	301.6	295.9	295.9
17.5°	2349.8	2219.0	1735.3	927.4	438.1	338.5	307.2	287.3	275.9	273.1	273.1
20°	2557.5	2381.1	1689.8	691.3	367.0	315.8	290.2	264.6	256.0	250.3	250.3
22.5°	2822.1	2577.4	1601.6	537.7	347.1	301.6	273.1	244.7	236.1	230.4	230.4
25°	3129.3	2827.8	1485.0	483.6	344.2	290.2	256.0	227.6	219.1	216.2	213.4
27.5°	3493.5	3095.2	1376.9	486.5	349.9	281.6	239.0	213.4	204.8	196.3	199.1
30°	3923.0	3371.1	1288.7	520.6	355.6	273.1	227.6	204.8	196.3	184.9	184.9
32.5°	4346.9	3695.4	1280.2	583.2	375.5	267.4	216.2	193.4	184.9	176.4	176.4
35°	4782.2	3991.3	1328.5	665.7	415.3	258.9	202.0	182.1	173.5	167.8	165.0
37.5°	5197.5	4227.4	1374.1	716.9	392.6	221.9	184.9	167.8	159.3	147.9	147.9
40°	5473.5	4355.4	1382.6	677.1	324.3	199.1	167.8	150.8	139.4	133.7	130.9
42.5°	5675.4	4437.9	1285.9	549.1	281.6	182.1	153.6	136.6	128.0	122.3	122.3
45°	5757.9	4409.5	1120.9	418.2	258.9	167.8	139.4	125.2	119.5	113.8	113.8
47.5°	5746.6	4278.6	953.0	335.7	236.1	153.6	130.9	119.5	113.8	108.1	105.3
50°	5726.6	4156.3	782.3	298.7	210.5	145.1	122.3	113.8	105.3	99.6	96.7
52.5°	5857.5	4116.5	648.6	273.1	196.3	139.4	119.5	108.1	99.6	93.9	93.9
55°	5988.4	4133.5	509.2	256.0	182.1	136.6	116.6	105.3	96.7	88.2	88.2
57.5°	5979.8	4059.6	386.9	239.0	170.7	133.7	113.8	102.4	88.2	82.5	82.5
60°	*5436.5*	*3621.5*	*301.6*	*219.1*	*156.5*	*125.2*	*105.3*	*96.7*	*82.5*	*74.0*	*74.0*
62.5°	4597.2	2847.7	247.5	193.4	139.4	113.8	96.7	88.2	74.0	59.7	59.7
65°	3396.7	2054.0	199.1	167.8	128.0	99.6	88.2	76.8	59.7	48.4	45.5
67.5°	2298.6	1263.1	159.3	139.4	113.8	85.3	74.0	65.4	54.1	39.8	37.0
70°	1362.7	671.4	116.6	96.7	85.3	62.6	62.6	56.9	45.5	34.1	31.3
72.5°	648.6	233.3	85.3	71.1	65.4	45.5	48.4	48.4	37.0	25.6	22.8
75°	330.0	113.8	56.9	51.2	42.7	34.1	39.8	37.0	25.6	17.1	17.1
77.5°	187.8	79.7	39.8	34.1	28.4	22.8	25.6	22.8	14.2	8.5	8.5
80°	105.3	56.9	25.6	22.8	17.1	14.2	14.2	11.4	8.5	2.8	2.8
82.5°	39.8	34.1	17.1	11.4	8.5	8.5	5.7	5.7	2.8	0.0	0.0
85°	17.1	8.5	8.5	5.7	5.7	2.8	2.8	2.8	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0
2.5°	1632.9	1638.6	1644.3	1667.1	1672.8	1689.8	1704.1	1721.1	1724.0	1746.7	1746.7
5°	1408.2	1405.3	1453.7	1524.8	1570.3	1632.9	1681.3	1732.5	1761.0	1797.9	1815.0
7.5°	933.1	1004.2	1112.3	1237.5	1399.7	1550.4	1664.2	1763.8	1832.1	1874.7	1891.8
10°	463.7	503.5	617.3	822.2	1098.1	1405.3	1647.2	1832.1	1943.0	1991.4	2022.7
12.5°	327.2	335.7	355.6	466.6	731.1	1166.4	1593.1	1906.0	2059.7	2150.7	2190.5
15°	293.0	298.7	307.2	338.5	452.3	870.5	1496.4	1988.5	2241.7	2347.0	2398.2
17.5°	270.3	273.1	281.6	307.2	355.6	591.7	1339.9	2076.7	2460.8	2588.8	2685.5
20°	250.3	250.3	258.9	290.2	330.0	455.2	1115.2	2176.3	2739.6	2924.5	3021.2
22.5°	227.6	233.3	239.0	273.1	321.5	415.3	904.7	2253.1	3049.7	3274.4	3388.2
25°	210.5	216.2	221.9	256.0	312.9	415.3	782.3	2301.5	3396.7	3664.1	3820.6
27.5°	196.3	202.0	210.5	244.7	304.4	432.4	734.0	2315.7	3775.1	4122.2	4332.7
30°	184.9	190.6	199.1	236.1	310.1	452.3	751.0	2295.8	4159.1	4594.4	4844.8
32.5°	173.5	179.2	187.8	227.6	310.1	477.9	807.9	2256.0	4531.8	5066.6	5373.9
35°	165.0	167.8	170.7	204.8	281.6	475.1	879.1	2216.1	4907.3	5533.2	5891.6
37.5°	147.9	150.8	156.5	176.4	224.7	432.4	893.3	2167.8	5203.2	5925.8	6321.2
40°	130.9	136.6	142.2	162.2	187.8	349.9	830.7	2065.3	5359.7	6227.3	6708.1
42.5°	119.5	122.3	128.0	147.9	173.5	278.8	697.0	1886.1	5499.1	6432.2	6989.8
45°	110.9	113.8	119.5	133.7	162.2	241.8	549.1	1667.1	5510.4	6497.6	7126.3
47.5°	102.4	105.3	108.1	122.3	156.5	216.2	421.0	1467.9	5507.6	6582.9	7242.9
50°	96.7	99.6	105.3	116.6	147.9	193.4	347.1	1305.8	5627.1	6767.9	7479.1
52.5°	93.9	93.9	102.4	113.8	139.4	176.4	290.2	1160.7	5689.7	6949.9	7649.8
55°	88.2	91.0	96.7	108.1	130.9	167.8	247.5	978.6	5718.1	7041.0	7681.0
57.5°	82.5	85.3	93.9	102.4	125.2	159.3	213.4	731.1	5311.3	6565.9	7157.6
60°	*74.0*	*79.7*	*91.0*	*99.6*	*116.6*	*145.1*	*187.8*	*495.0*	*4480.6*	*5706.7*	*6201.7*
62.5°	59.7	71.1	82.5	88.2	105.3	122.3	159.3	330.0	3578.8	4722.4	5285.7
65°	45.5	59.7	68.3	76.8	88.2	102.4	133.7	224.7	2386.8	3177.7	3812.1
67.5°	39.8	51.2	56.9	62.6	74.0	88.2	108.1	156.5	1448.0	1908.9	2534.7
70°	31.3	42.7	48.4	45.5	56.9	68.3	76.8	105.3	739.7	1035.5	1442.3
72.5°	22.8	34.1	37.0	37.0	34.1	48.4	56.9	74.0	321.5	503.5	654.3
75°	17.1	22.8	25.6	22.8	19.9	31.3	39.8	48.4	210.5	301.6	381.2
77.5°	8.5	8.5	14.2	14.2	8.5	17.1	19.9	28.4	119.5	176.4	219.1
80°	2.8	0.0	0.0	2.8	0.0	5.7	8.5	14.2	62.6	93.9	136.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	31.3	28.4	71.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	17.1
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: P1501813
CATALOG NUMBER: GSS-SB3A-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1741.0	*1741.0*	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0	1741.0
2.5°	1761.0	*1761.0*	1772.3	1789.4	1797.9	1803.6	1806.5	1812.2	1834.9	1829.2
5°	1834.9	*1840.6*	1849.1	1866.2	1886.1	1880.4	1880.4	1880.4	1894.7	1883.3
7.5°	1931.6	*1948.7*	1951.6	1971.5	1957.2	1928.8	1911.7	1886.1	1883.3	1883.3
10°	2088.1	*2082.4*	2082.4	2056.8	2005.6	1923.1	1849.1	1797.9	1769.5	1772.3
12.5°	2256.0	*2233.2*	2236.0	2142.2	1997.1	1815.0	1664.2	1553.3	1544.7	1536.2
15°	2463.6	*2403.9*	2392.5	2176.3	1869.1	1590.3	1442.3	1354.1	1325.7	1317.2
17.5°	2759.5	*2608.7*	2554.7	2116.6	1701.2	1450.9	1339.9	1300.1	1297.2	1294.4
20°	3072.4	*2773.7*	2671.3	2028.4	1644.3	1453.7	1371.2	1359.8	1354.1	1357.0
22.5°	3436.6	*2879.0*	2748.1	2042.6	1695.5	1547.6	1482.2	1473.6	1467.9	1473.6
25°	3812.1	*3001.3*	2839.1	2156.4	1849.1	1721.1	1644.3	1627.2	1644.3	1669.9
27.5°	4190.4	*3166.3*	3018.4	2381.1	2096.6	1957.2	1883.3	1945.9	1971.5	1974.3
30°	4526.1	*3396.7*	3260.2	2696.9	2378.3	2238.9	2253.1	2332.8	2364.1	2395.3
32.5°	4833.4	*3704.0*	3598.7	3055.4	2742.4	2659.9	2651.4	2711.1	2745.3	2725.3
35°	5143.5	*4105.1*	4002.7	3445.1	3189.1	3120.8	3049.7	3166.3	3154.9	3123.6
37.5°	5436.5	*4509.1*	4415.2	3863.3	3598.7	3479.2	3467.9	3573.1	3667.0	3661.3
40°	5647.0	*4836.2*	4722.4	4278.6	4028.3	3925.9	3985.6	4167.7	4144.9	4113.6
42.5°	5840.4	*5115.0*	5012.6	4642.8	4381.0	4426.6	4480.6	4602.9	4588.7	4557.4
45°	5931.5	*5354.0*	5265.8	4918.7	4790.7	4935.8	4932.9	4978.5	4901.6	4890.3
47.5°	6059.5	*5524.7*	5433.6	5166.2	5280.0	5339.8	5171.9	5123.5	5052.4	4995.5
50°	6295.6	*5789.2*	5698.2	5541.7	5638.5	5453.5	5248.7	5143.5	4998.4	4898.8
52.5°	6571.6	*6190.4*	6110.7	6048.1	5777.9	5396.6	5134.9	4944.3	4767.9	4682.6
55°	6918.6	*6782.1*	6725.2	6381.0	5652.7	5163.4	4856.1	4500.5	4258.7	4179.1
57.5°	7032.4	*7649.8*	7629.8	6435.0	5302.8	4739.5	4184.7	3704.0	3453.6	3402.4
60°	*6696.7*	*8329.7*	*8258.5*	*6344.0*	*4668.4*	*3846.2*	*3197.6*	*2705.4*	*2298.6*	*2238.9*
62.5°	6267.2	*7809.1*	7783.5	5886.0	3556.0	2756.6	2389.7	1928.8	1755.3	1709.7
65°	5368.2	*6389.5*	6400.9	4722.4	2250.3	1980.0	1962.9	1533.4	1320.0	1285.9
67.5°	4133.5	*4901.6*	4822.0	2970.0	1311.5	1584.6	1567.5	1120.9	810.8	788.0
70°	2415.3	*3649.9*	3521.9	1544.7	867.7	1322.8	1206.2	788.0	551.9	526.3
72.5°	1066.8	*2008.5*	2156.4	679.9	611.6	1052.6	870.5	483.6	310.1	304.4
75°	591.7	*995.7*	1041.2	295.9	429.6	748.2	526.3	270.3	176.4	173.5
77.5°	355.6	*440.9*	429.6	190.6	321.5	477.9	318.6	153.6	110.9	105.3
80°	199.1	*202.0*	170.7	139.4	190.6	267.4	179.2	96.7	51.2	51.2
82.5°	122.3	*110.9*	88.2	42.7	51.2	162.2	65.4	54.1	17.1	17.1
85°	51.2	*34.1*	22.8	8.5	19.9	42.7	22.8	25.6	8.5	8.5
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: SP1-2407-184-5

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

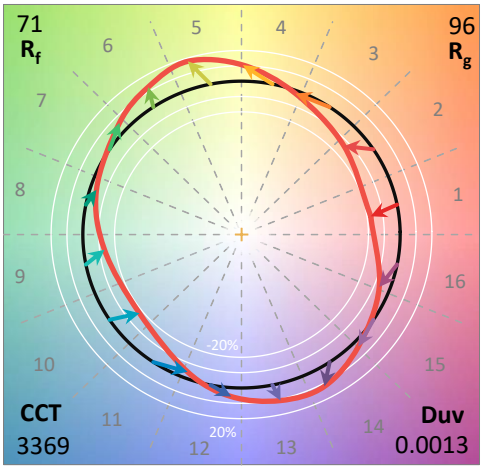
Test Information

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

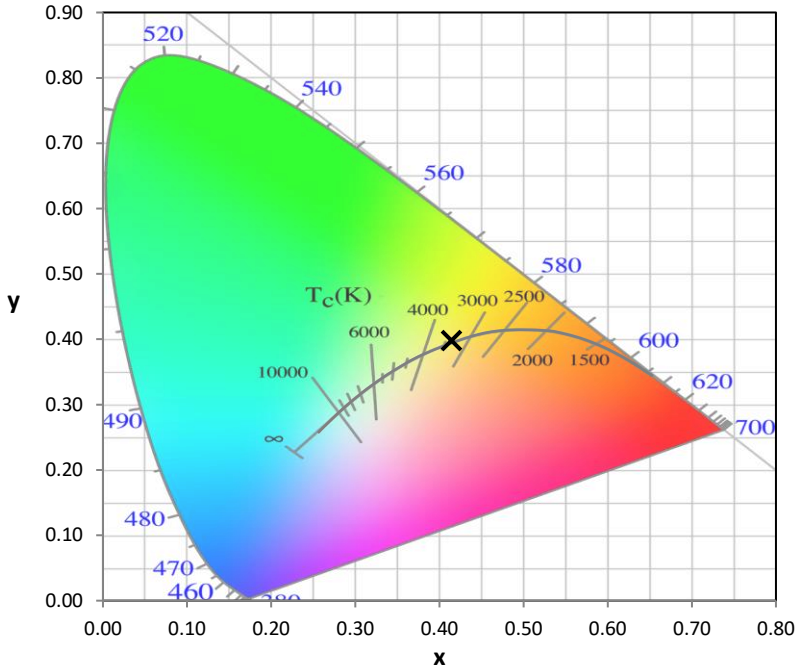
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

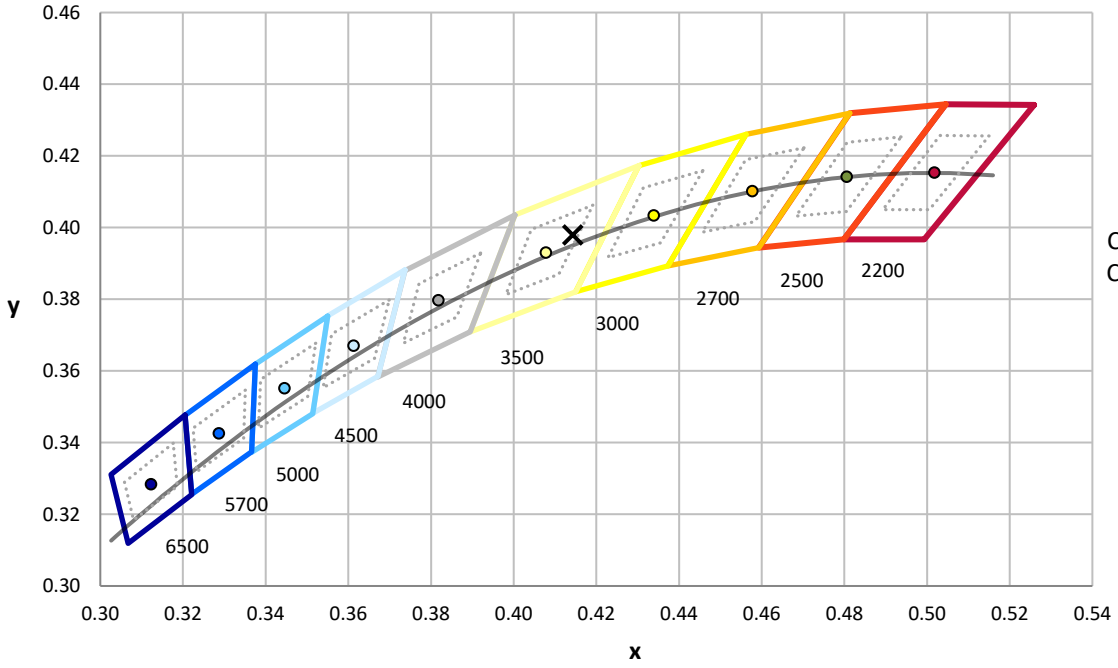
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

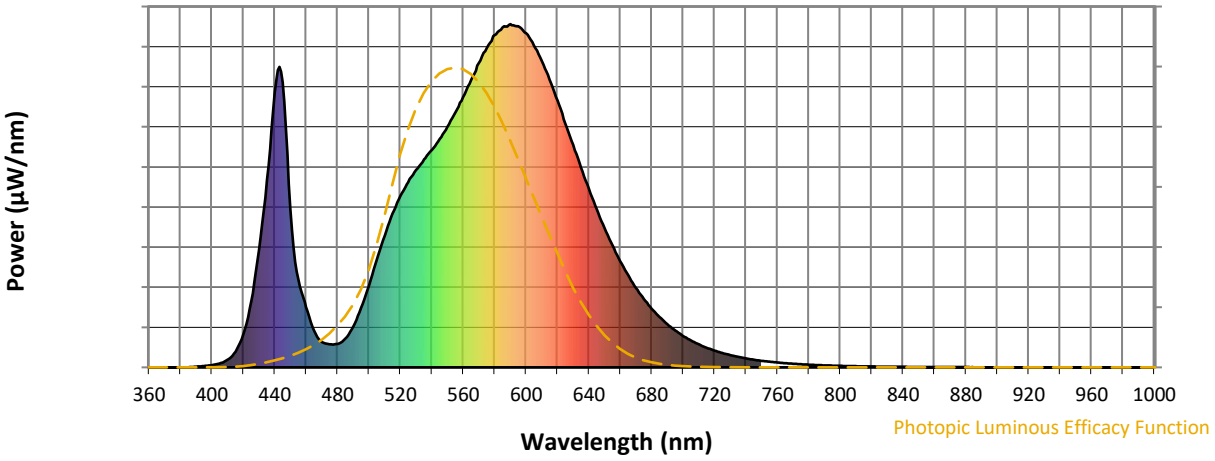


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

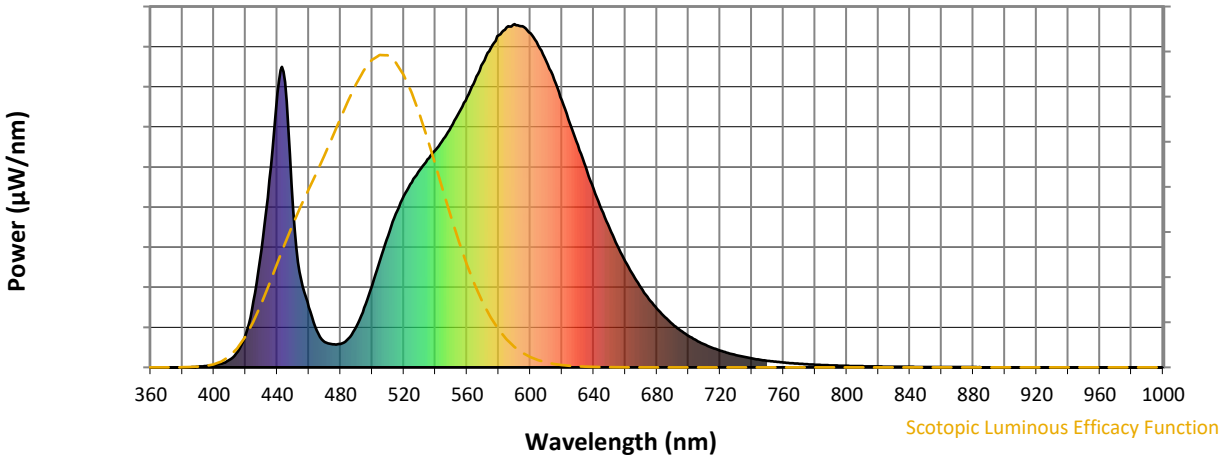


Photopic Lumens: NR

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

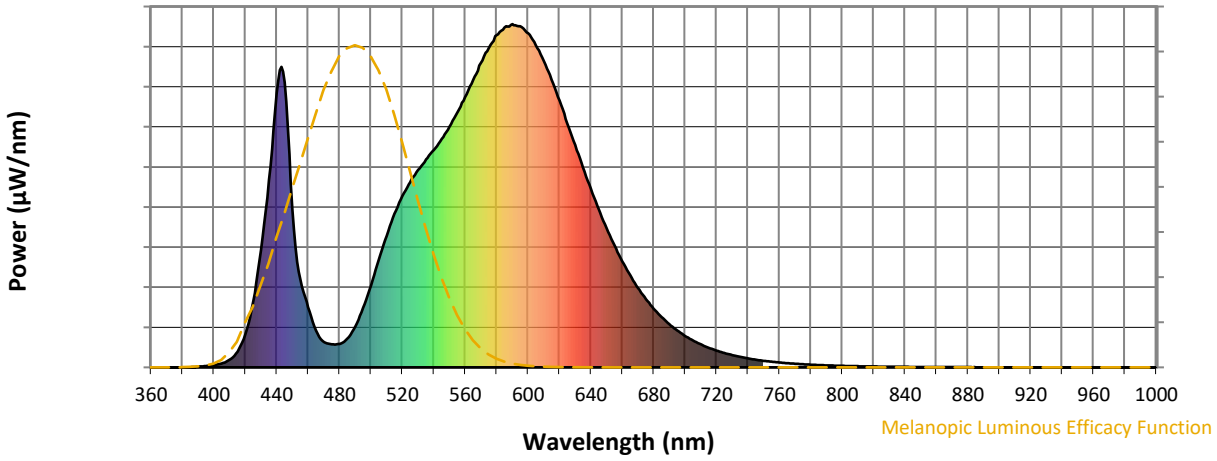


Scotopic Lumens: NR **S/P: 1.29**

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			

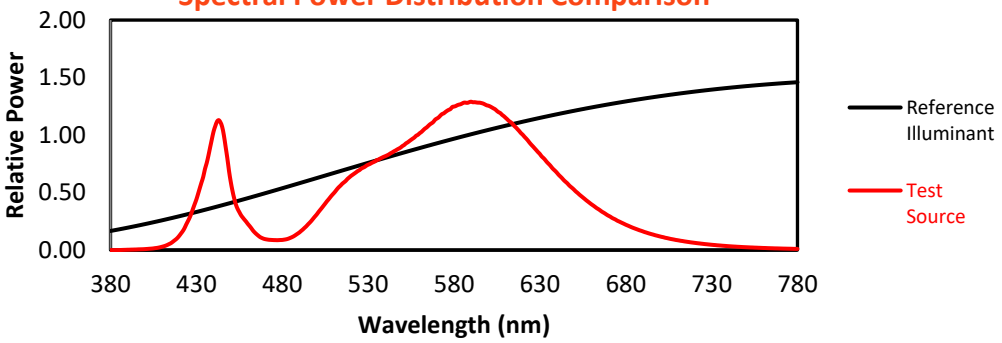
REPORT NUMBER: SP1-2407-184-5

TM-30-18

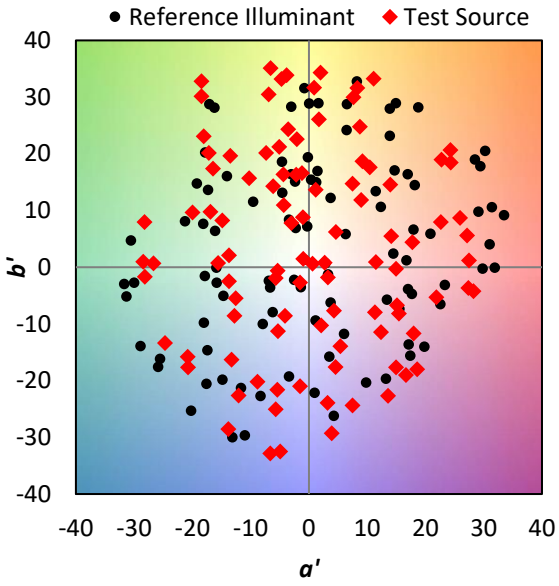
Summary

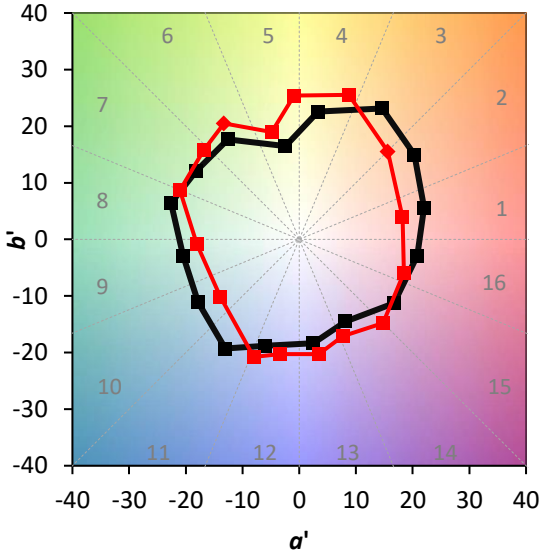
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

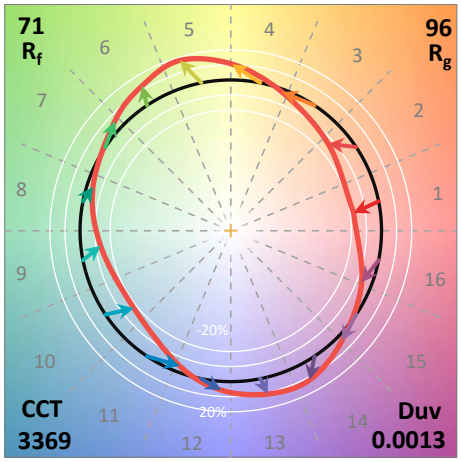
Spectral Power Distribution Comparison

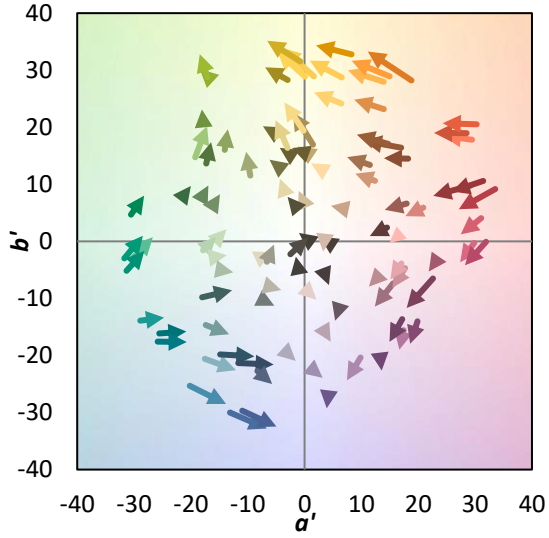


Color Vector Graphics







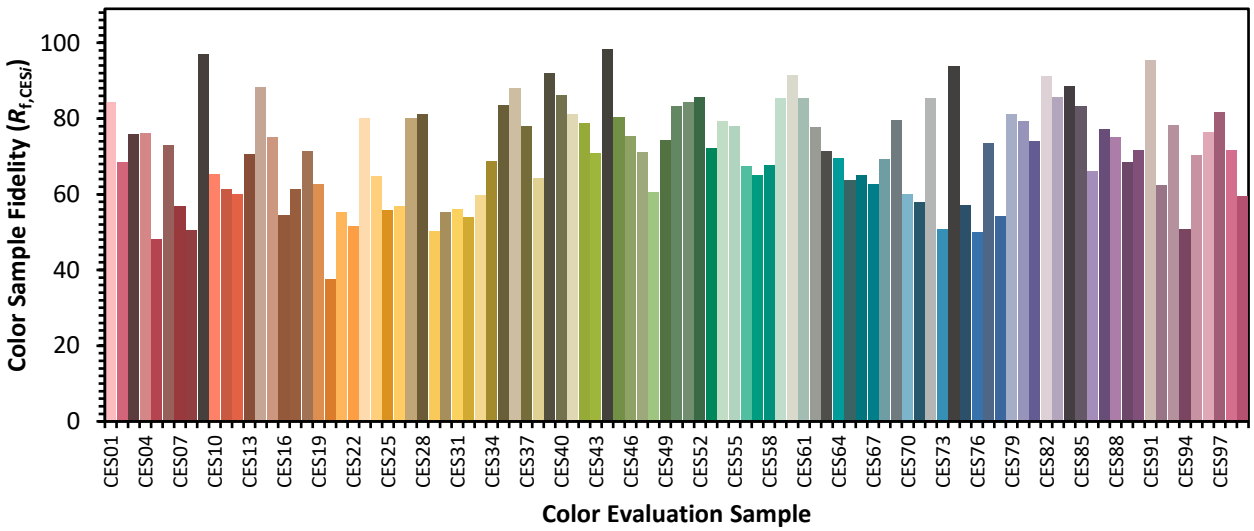


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Individual Sample Fidelity Index ($R_{f,i}$)

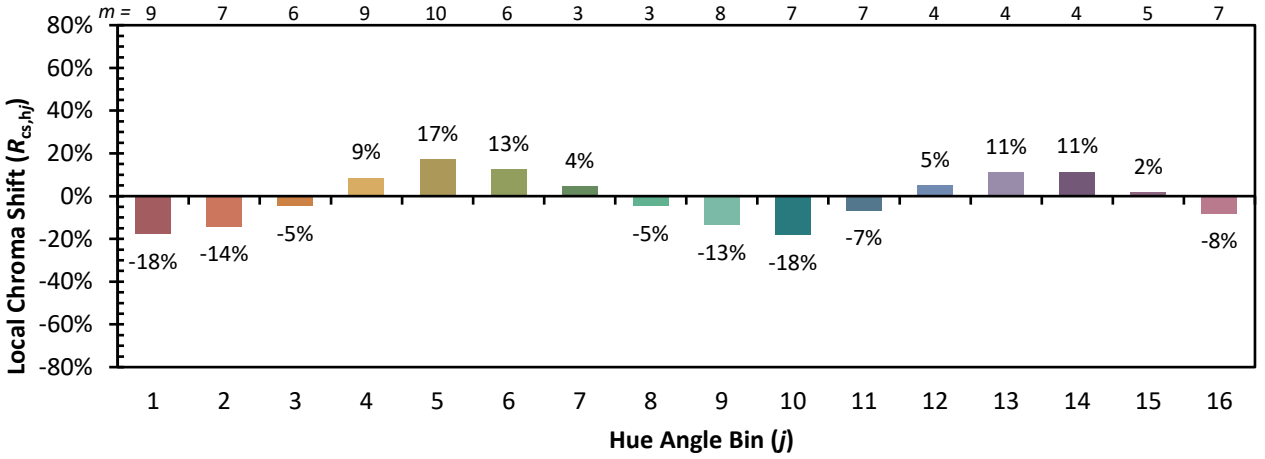
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

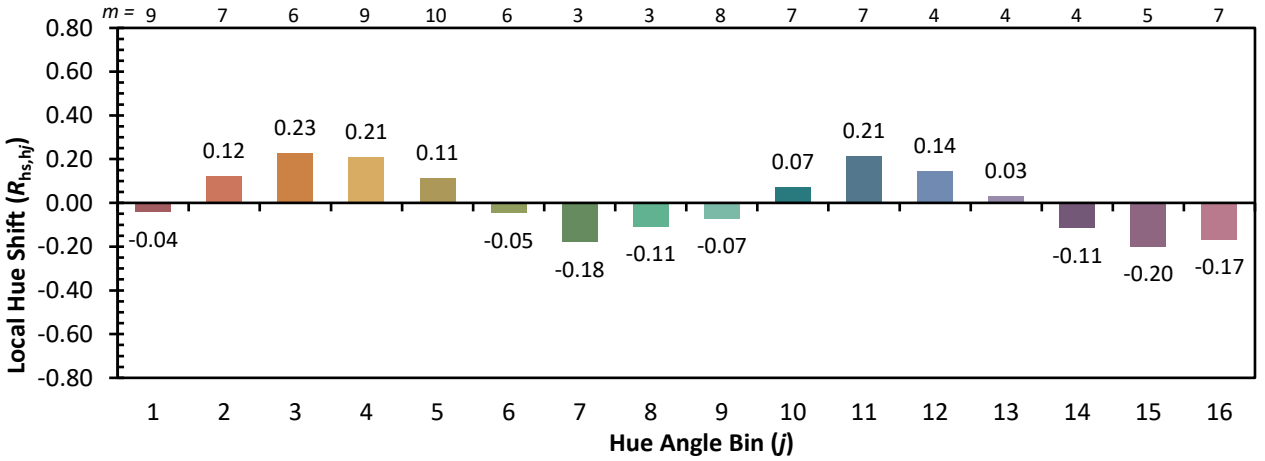


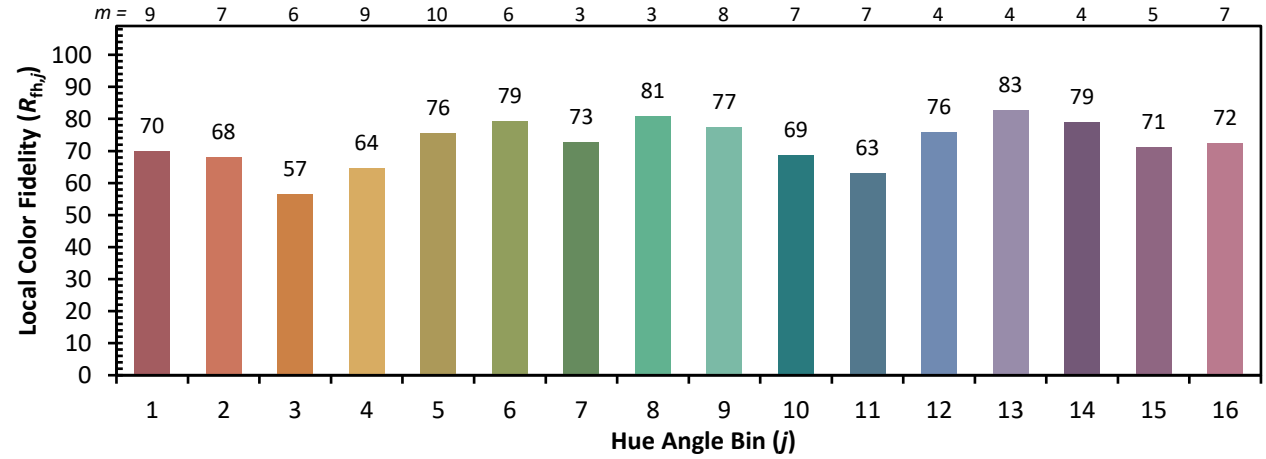
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Color Rendition by Hue-Angle Bin



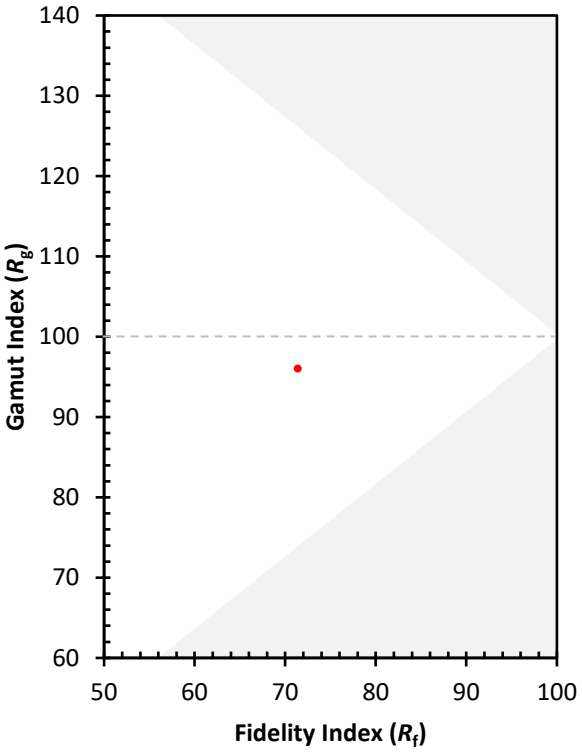


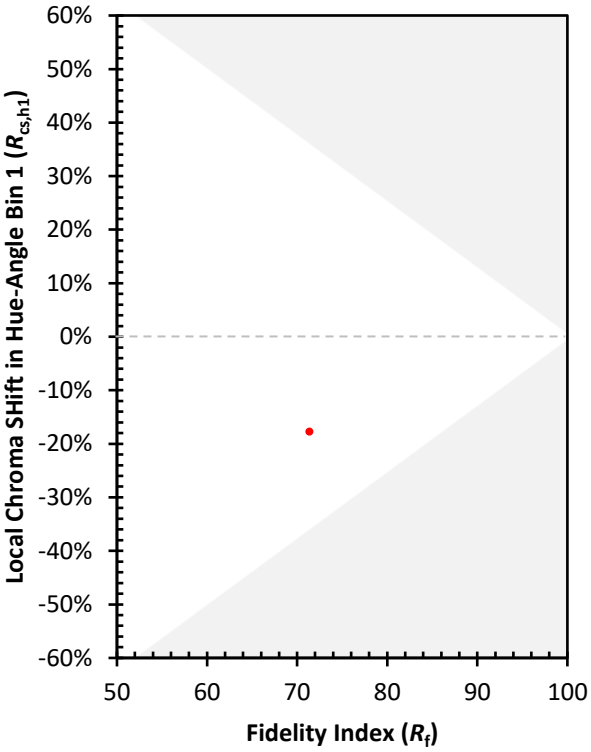


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Measure Comparisons





(END OF REPORT)