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: P1501907

Luminaire Tested: GSS-SB2C-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501907
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10065.3 lumens
Efficiency:	N/A
Efficacy:	98.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

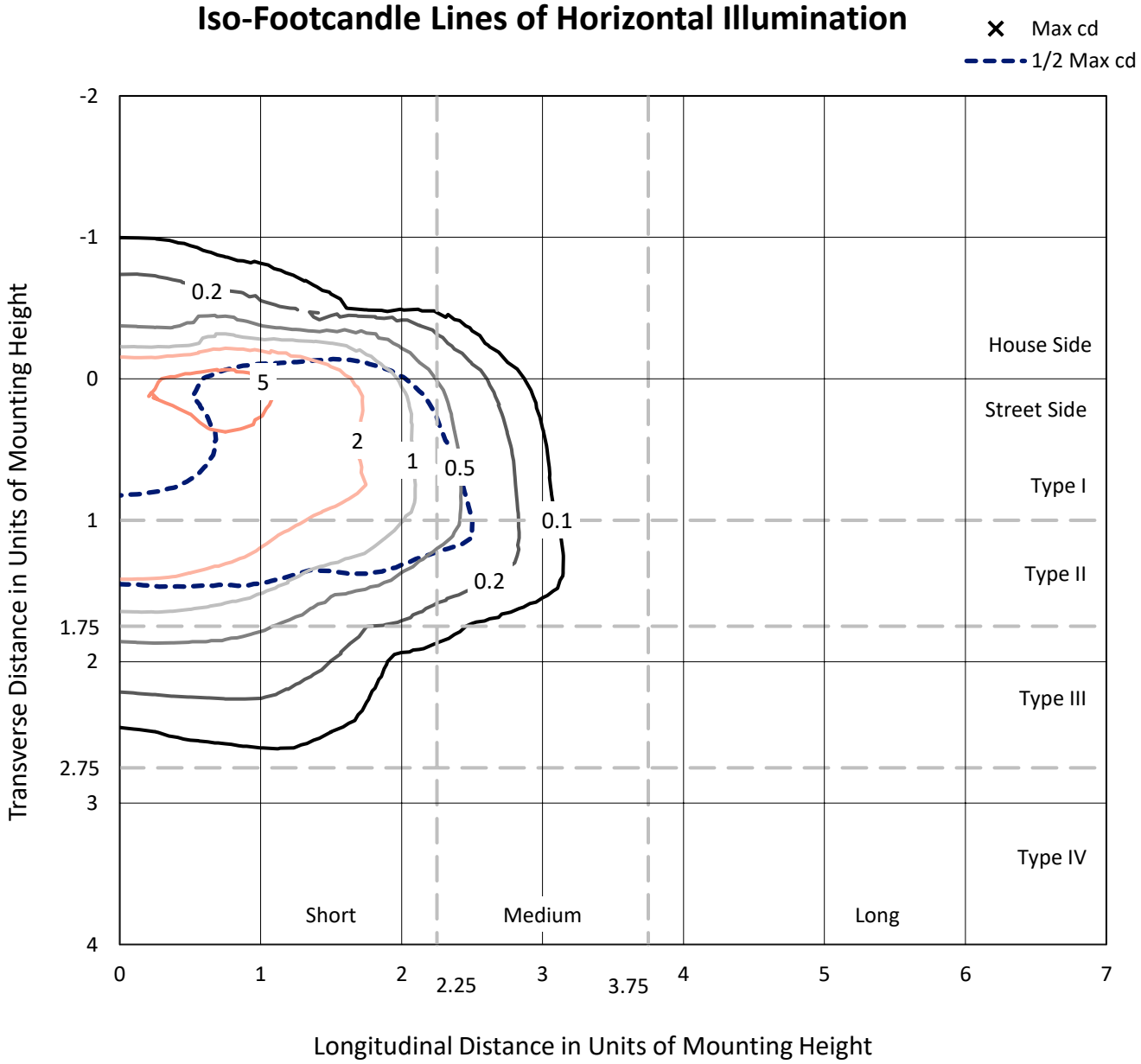
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



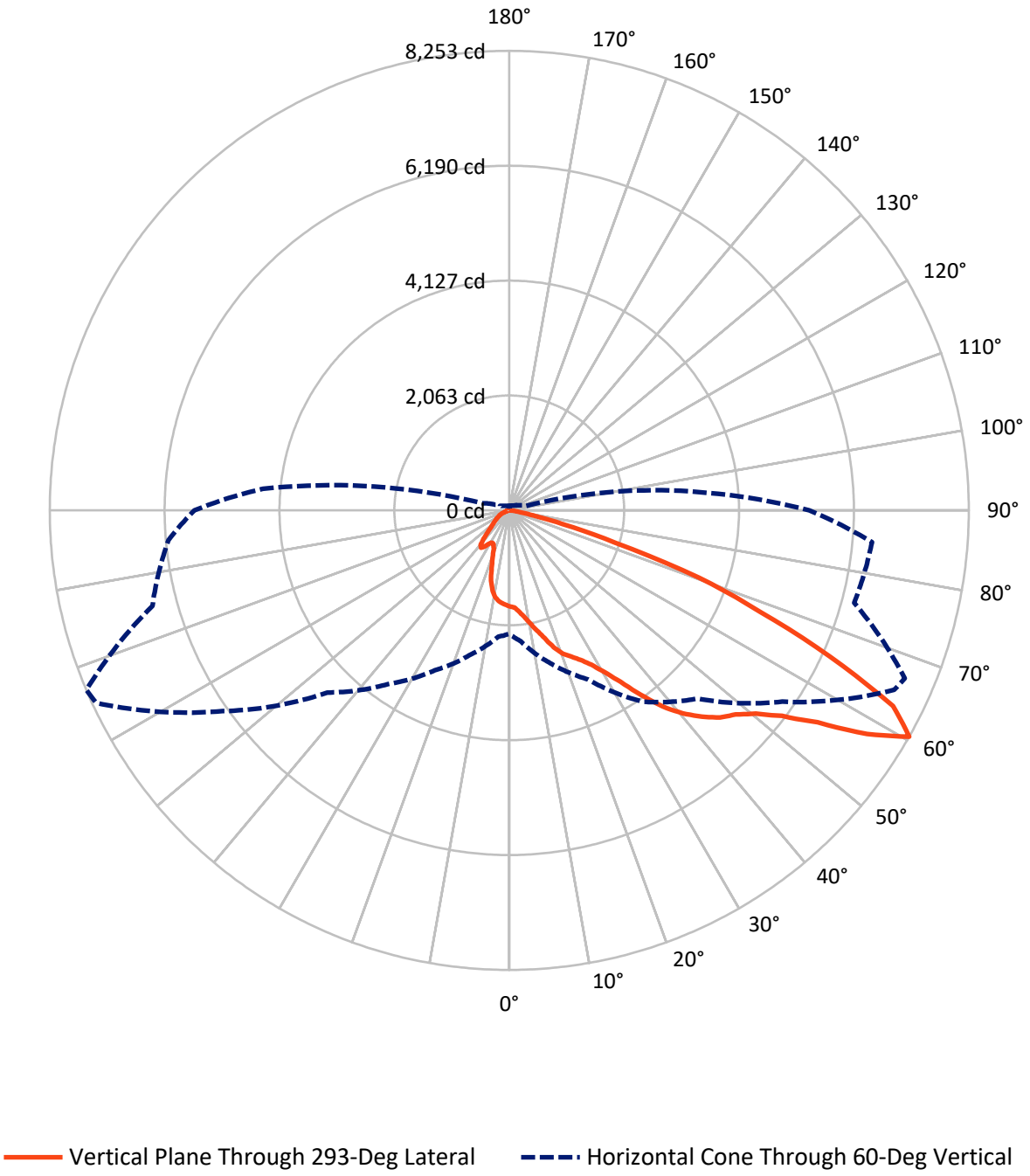
Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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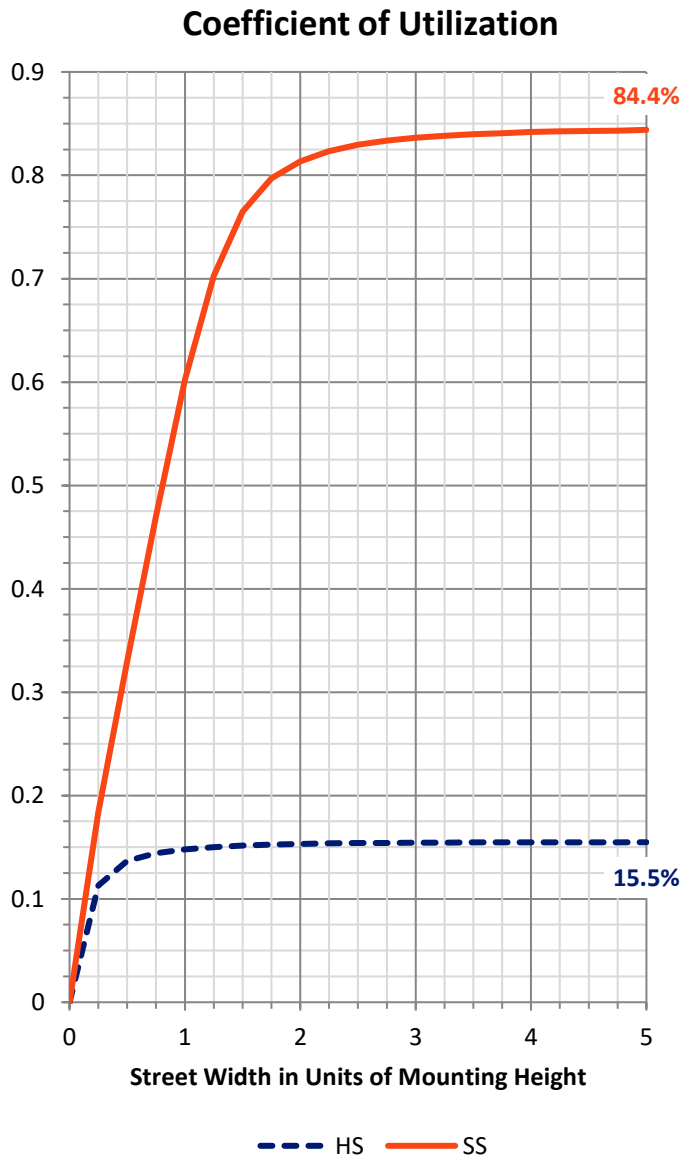
REPORT NUMBER: P1501907
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1570.4	0.0	1570.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	8494.9	0.0	8494.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	10065.3	0.0	10065.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	1.6
10°-20°	393.4	3.9
20°-30°	734.4	7.3
30°-40°	1456.4	14.5
40°-50°	2322.1	23.1
50°-60°	2774.3	27.6
60°-70°	1818.7	18.1
70°-80°	381.0	3.8
80°-90°	28.8	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°	10065.3	100.0
0°-180°	10065.3	100.0



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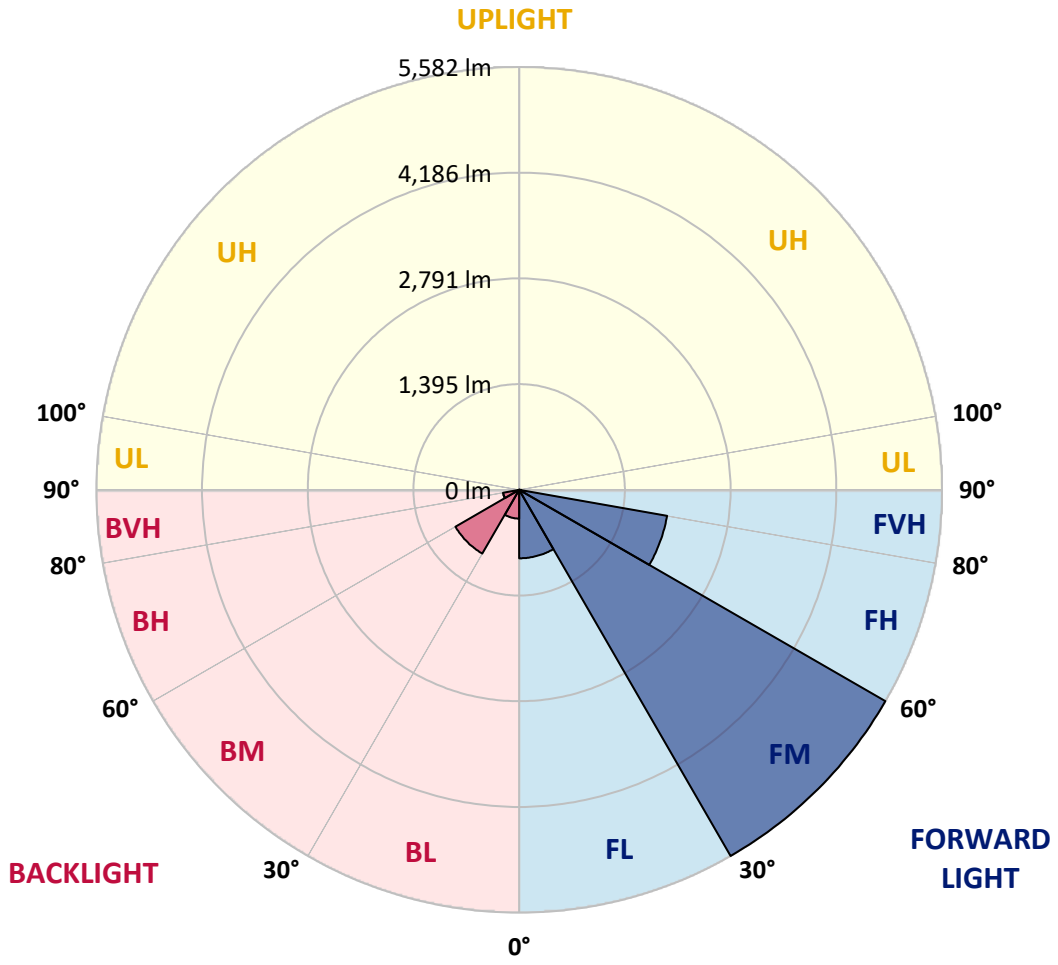
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	904.1	9.0			
FM	(30°-60°)	5581.6	55.5			
FH	(60°-80°)	1982.8	19.7			G2/5000
FVH	(80°-90°)	26.4	0.3			G1/100
BL	(0°-30°)	379.9	3.8	B1/500		
BM	(30°-60°)	971.2	9.6	B1/1000		
BH	(60°-80°)	216.9	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°	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1
2.5°	1812.5	1806.8	1798.4	1801.2	1798.4	1787.1	1770.2	1756.1	1767.4	1750.5	1739.2
5°	1866.0	1866.0	1860.4	1860.4	1863.2	1857.6	1846.3	1826.6	1829.4	1815.3	1778.6
7.5°	1866.0	1857.6	1871.7	1885.8	1911.1	1925.2	1930.9	1919.6	1925.2	1897.0	1849.1
10°	1756.1	1750.5	1787.1	1840.7	1913.9	1978.8	2021.1	2023.9	2032.3	2004.1	1947.8
12.5°	1522.1	1510.9	1584.1	1685.6	1835.0	1984.4	2102.8	2147.9	2167.6	2156.4	2077.4
15°	1305.1	1319.2	1369.9	1479.9	1680.0	1908.3	2147.9	2297.3	2325.5	2339.6	2246.6
17.5°	1282.5	1285.4	1302.3	1355.8	1508.0	1784.3	2153.5	2452.3	2491.8	2553.8	2427.0
20°	1344.6	1338.9	1355.8	1372.7	1446.0	1674.3	2100.0	2601.7	2677.8	2810.3	2672.2
22.5°	1460.1	1460.1	1468.6	1479.9	1516.5	1665.9	2077.4	2739.8	2869.5	3140.1	2979.4
25°	1654.6	1632.1	1637.7	1623.6	1654.6	1767.4	2128.2	2849.8	3027.4	3506.5	3345.9
27.5°	1956.2	1964.7	1913.9	1837.8	1854.7	1950.6	2252.2	2973.8	3190.8	3887.1	3718.0
30°	2373.4	2359.3	2328.3	2178.9	2111.3	2195.8	2480.5	3176.8	3410.7	4369.1	4214.1
32.5°	2700.4	2739.8	2686.3	2582.0	2477.7	2503.1	2801.9	3503.7	3678.5	4811.6	4727.1
35°	3095.0	3095.0	3106.3	2959.7	2889.2	2883.6	3204.9	3858.9	4033.7	5211.9	5271.1
37.5°	3627.8	3591.1	3529.1	3365.6	3312.1	3382.5	3582.7	4225.3	4414.2	5536.1	5693.9
40°	4075.9	4101.3	4092.9	3856.1	3751.8	3827.9	4005.5	4538.2	4684.8	5744.7	6035.0
42.5°	4515.7	4529.8	4493.1	4380.4	4228.2	4233.8	4380.4	4775.0	4924.4	5944.8	6356.3
45°	4845.5	4842.6	4817.3	4789.1	4698.9	4605.9	4631.2	5037.1	5166.8	6009.6	6531.1
47.5°	4949.8	4972.3	4994.9	5073.8	5135.8	4989.2	4859.6	5178.1	5296.5	5998.3	6595.9
50°	4853.9	4901.8	5011.8	5130.2	5341.6	5330.3	5051.2	5330.3	5445.9	6060.4	6672.0
52.5°	4639.7	4687.6	4834.2	5048.4	5366.9	5524.8	5406.4	5586.8	5722.1	6218.2	6829.9
55°	4140.8	4160.5	4462.1	4744.0	5240.1	5440.2	5786.9	6020.9	6133.6	6409.9	7038.5
57.5°	3371.2	3419.2	3715.1	4174.6	4884.9	5217.5	6004.0	6762.2	6759.4	6593.1	7083.6
60°	*2218.4*	*2359.3*	*2841.3*	*3348.7*	*4197.1*	*4780.6*	*5989.9*	*7630.4*	*7717.8*	*6412.7*	*6539.5*
62.5°	1694.1	1753.3	2026.7	2449.5	3106.3	3963.2	5896.9	7889.7	7957.4	5927.9	5724.9
65°	1274.1	1347.4	1609.5	1987.2	2193.0	2686.3	5288.0	6858.1	6951.1	5290.8	4450.8
67.5°	780.8	840.0	1189.5	1632.1	1660.3	1668.7	3568.6	5195.0	5228.8	4267.6	2996.4
70°	521.5	580.7	823.1	1254.4	1322.0	961.2	1959.0	3932.2	3929.4	2920.2	1820.9
72.5°	301.6	329.8	521.5	924.6	1040.1	611.7	978.1	2500.2	2390.3	1372.7	851.3
75°	171.9	191.7	287.5	594.8	730.1	389.0	386.2	1338.9	1183.9	707.5	465.1
77.5°	104.3	112.8	157.9	389.0	439.7	262.1	214.2	622.9	600.4	414.4	245.2
80°	50.7	59.2	95.8	228.3	281.9	140.9	129.7	245.2	262.1	228.3	129.7
82.5°	16.9	22.6	53.6	87.4	183.2	56.4	53.6	135.3	143.8	135.3	62.0
85°	8.5	11.3	25.4	28.2	70.5	28.2	19.7	59.2	73.3	45.1	25.4
87.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	5.6	5.6
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°	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1
2.5°	1730.7	1725.1	1713.8	1694.1	1691.3	1677.2	1654.6	1640.5	1629.2	1637.7	1640.5
5°	1761.7	1747.6	1713.8	1660.3	1603.9	1547.5	1493.9	1431.9	1389.7	1384.0	1372.7
7.5°	1818.1	1789.9	1716.6	1612.3	1468.6	1333.3	1175.4	1023.2	947.1	935.8	910.5
10°	1908.3	1860.4	1739.2	1527.8	1251.5	969.7	730.1	566.6	473.6	456.6	462.3
12.5°	2015.4	1947.8	1742.0	1384.0	952.7	600.4	414.4	352.3	332.6	324.2	324.2
15°	2153.5	2054.9	1739.2	1198.0	642.7	386.2	332.6	307.2	298.8	293.2	293.2
17.5°	2328.3	2198.6	1719.4	918.9	434.1	335.4	304.4	284.7	273.4	270.6	270.6
20°	2534.1	2359.3	1674.3	685.0	363.6	312.9	287.5	262.1	253.7	248.1	248.1
22.5°	2796.2	2553.8	1587.0	532.7	343.9	298.8	270.6	242.4	234.0	228.3	228.3
25°	3100.6	2801.9	1471.4	479.2	341.1	287.5	253.7	225.5	217.0	214.2	211.4
27.5°	3461.4	3066.8	1364.3	482.0	346.7	279.1	236.8	211.4	203.0	194.5	197.3
30°	3887.1	3340.2	1276.9	515.8	352.3	270.6	225.5	203.0	194.5	183.2	183.2
32.5°	4307.1	3661.6	1268.4	577.8	372.1	265.0	214.2	191.7	183.2	174.8	174.8
35°	4738.3	3954.7	1316.4	659.6	411.5	256.5	200.1	180.4	171.9	166.3	163.5
37.5°	5149.9	4188.7	1361.5	710.3	389.0	219.9	183.2	166.3	157.9	146.6	146.6
40°	5423.3	4315.5	1369.9	670.9	321.3	197.3	166.3	149.4	138.1	132.5	129.7
42.5°	5623.4	4397.3	1274.1	544.0	279.1	180.4	152.2	135.3	126.8	121.2	121.2
45°	5705.2	4369.1	1110.6	414.4	256.5	166.3	138.1	124.0	118.4	112.8	112.8
47.5°	5693.9	4239.4	944.3	332.6	234.0	152.2	129.7	118.4	112.8	107.1	104.3
50°	5674.2	4118.2	775.2	296.0	208.6	143.8	121.2	112.8	104.3	98.7	95.8
52.5°	5803.8	4078.8	642.7	270.6	194.5	138.1	118.4	107.1	98.7	93.0	93.0
55°	5933.5	4095.7	504.6	253.7	180.4	135.3	115.6	104.3	95.8	87.4	87.4
57.5°	5925.1	4022.4	383.4	236.8	169.1	132.5	112.8	101.5	87.4	81.7	81.7
60°	*5386.7*	*3588.3*	*298.8*	*217.0*	*155.0*	*124.0*	*104.3*	*95.8*	*81.7*	*73.3*	*73.3*
62.5°	4555.1	2821.6	245.2	191.7	138.1	112.8	95.8	87.4	73.3	59.2	59.2
65°	3365.6	2035.2	197.3	166.3	126.8	98.7	87.4	76.1	59.2	47.9	45.1
67.5°	2277.6	1251.5	157.9	138.1	112.8	84.6	73.3	64.8	53.6	39.5	36.6
70°	1350.2	665.2	115.6	95.8	84.6	62.0	62.0	56.4	45.1	33.8	31.0
72.5°	642.7	231.1	84.6	70.5	64.8	45.1	47.9	47.9	36.6	25.4	22.6
75°	327.0	112.8	56.4	50.7	42.3	33.8	39.5	36.6	25.4	16.9	16.9
77.5°	186.0	78.9	39.5	33.8	28.2	22.6	25.4	22.6	14.1	8.5	8.5
80°	104.3	56.4	25.4	22.6	16.9	14.1	14.1	11.3	8.5	2.8	2.8
82.5°	39.5	33.8	16.9	11.3	8.5	8.5	5.6	5.6	2.8	0.0	0.0
85°	16.9	8.5	8.5	5.6	5.6	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°	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1
2.5°	1618.0	1623.6	1629.2	1651.8	1657.4	1674.3	1688.4	1705.4	1708.2	1730.7	1730.7
5°	1395.3	1392.5	1440.4	1510.9	1556.0	1618.0	1665.9	1716.6	1744.8	1781.5	1798.4
7.5°	924.6	995.0	1102.1	1226.2	1386.8	1536.2	1649.0	1747.6	1815.3	1857.6	1874.5
10°	459.5	498.9	611.7	814.6	1088.0	1392.5	1632.1	1815.3	1925.2	1973.1	2004.1
12.5°	324.2	332.6	352.3	462.3	724.4	1155.7	1578.5	1888.6	2040.8	2131.0	2170.5
15°	290.3	296.0	304.4	335.4	448.2	862.5	1482.7	1970.3	2221.2	2325.5	2376.2
17.5°	267.8	270.6	279.1	304.4	352.3	586.3	1327.6	2057.7	2438.2	2565.1	2660.9
20°	248.1	248.1	256.5	287.5	327.0	451.0	1105.0	2156.4	2714.5	2897.7	2993.5
22.5°	225.5	231.1	236.8	270.6	318.5	411.5	896.4	2232.5	3021.7	3244.4	3357.2
25°	208.6	214.2	219.9	253.7	310.1	411.5	775.2	2280.4	3365.6	3630.6	3785.6
27.5°	194.5	200.1	208.6	242.4	301.6	428.5	727.2	2294.5	3740.5	4084.4	4293.0
30°	183.2	188.9	197.3	234.0	307.2	448.2	744.2	2274.7	4121.0	4552.3	4800.4
32.5°	171.9	177.6	186.0	225.5	307.2	473.6	800.5	2235.3	4490.3	5020.2	5324.7
35°	163.5	166.3	169.1	203.0	279.1	470.7	871.0	2195.8	4862.4	5482.5	5837.7
37.5°	146.6	149.4	155.0	174.8	222.7	428.5	885.1	2147.9	5155.5	5871.5	6263.3
40°	129.7	135.3	140.9	160.7	186.0	346.7	823.1	2046.4	5310.6	6170.3	6646.7
42.5°	118.4	121.2	126.8	146.6	171.9	276.2	690.6	1868.8	5448.7	6373.2	6925.7
45°	109.9	112.8	118.4	132.5	160.7	239.6	544.0	1651.8	5460.0	6438.1	7061.0
47.5°	101.5	104.3	107.1	121.2	155.0	214.2	417.2	1454.5	5457.1	6522.6	7176.6
50°	95.8	98.7	104.3	115.6	146.6	191.7	343.9	1293.8	5575.5	6705.9	7410.5
52.5°	93.0	93.0	101.5	112.8	138.1	174.8	287.5	1150.1	5637.5	6886.3	7579.7
55°	87.4	90.2	95.8	107.1	129.7	166.3	245.2	969.7	5665.7	6976.5	7610.7
57.5°	81.7	84.6	93.0	101.5	124.0	157.9	211.4	724.4	5262.6	6505.7	7092.0
60°	*73.3*	*78.9*	*90.2*	*98.7*	*115.6*	*143.8*	*186.0*	*490.5*	*4439.6*	*5654.4*	*6144.9*
62.5°	59.2	70.5	81.7	87.4	104.3	121.2	157.9	327.0	3546.0	4679.2	5237.3
65°	45.1	59.2	67.7	76.1	87.4	101.5	132.5	222.7	2364.9	3148.6	3777.1
67.5°	39.5	50.7	56.4	62.0	73.3	87.4	107.1	155.0	1434.8	1891.4	2511.5
70°	31.0	42.3	47.9	45.1	56.4	67.7	76.1	104.3	732.9	1026.0	1429.1
72.5°	22.6	33.8	36.6	36.6	33.8	47.9	56.4	73.3	318.5	498.9	648.3
75°	16.9	22.6	25.4	22.6	19.7	31.0	39.5	47.9	208.6	298.8	377.7
77.5°	8.5	8.5	14.1	14.1	8.5	16.9	19.7	28.2	118.4	174.8	217.0
80°	2.8	0.0	0.0	2.8	0.0	5.6	8.5	14.1	62.0	93.0	135.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	31.0	28.2	70.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	16.9
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: P1501907
CATALOG NUMBER: GSS-SB2C-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1725.1	*1725.1*	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1	1725.1
2.5°	1744.8	*1744.8*	1756.1	1773.0	1781.5	1787.1	1789.9	1795.6	1818.1	1812.5
5°	1818.1	*1823.7*	1832.2	1849.1	1868.8	1863.2	1863.2	1863.2	1877.3	1866.0
7.5°	1913.9	*1930.9*	1933.7	1953.4	1939.3	1911.1	1894.2	1868.8	1866.0	1866.0
10°	2069.0	*2063.3*	2063.3	2038.0	1987.2	1905.5	1832.2	1781.5	1753.3	1756.1
12.5°	2235.3	*2212.7*	2215.6	2122.5	1978.8	1798.4	1649.0	1539.0	1530.6	1522.1
15°	2441.1	*2381.9*	2370.6	2156.4	1851.9	1575.7	1429.1	1341.7	1313.5	1305.1
17.5°	2734.2	*2584.8*	2531.3	2097.2	1685.6	1437.6	1327.6	1288.2	1285.4	1282.5
20°	3044.3	*2748.3*	2646.8	2009.8	1629.2	1440.4	1358.6	1347.4	1341.7	1344.6
22.5°	3405.1	*2852.6*	2722.9	2023.9	1680.0	1533.4	1468.6	1460.1	1454.5	1460.1
25°	3777.1	*2973.8*	2813.1	2136.6	1832.2	1705.4	1629.2	1612.3	1629.2	1654.6
27.5°	4152.0	*3137.3*	2990.7	2359.3	2077.4	1939.3	1866.0	1928.0	1953.4	1956.2
30°	4484.7	*3365.6*	3230.3	2672.2	2356.5	2218.4	2232.5	2311.4	2342.4	2373.4
32.5°	4789.1	*3670.0*	3565.7	3027.4	2717.3	2635.5	2627.1	2686.3	2720.1	2700.4
35°	5096.3	*4067.5*	3966.0	3413.5	3159.8	3092.2	3021.7	3137.3	3126.0	3095.0
37.5°	5386.7	*4467.7*	4374.7	3827.9	3565.7	3447.4	3436.1	3540.4	3633.4	3627.8
40°	5595.3	*4791.9*	4679.2	4239.4	3991.4	3889.9	3949.1	4129.5	4106.9	4075.9
42.5°	5786.9	*5068.1*	4966.7	4600.2	4340.9	4386.0	4439.6	4560.8	4546.7	4515.7
45°	5877.1	*5304.9*	5217.5	4873.7	4746.8	4890.6	4887.7	4932.8	4856.7	4845.5
47.5°	6004.0	*5474.0*	5383.8	5118.9	5231.6	5290.8	5124.5	5076.6	5006.1	4949.8
50°	6237.9	*5736.2*	5646.0	5491.0	5586.8	5403.6	5200.6	5096.3	4952.6	4853.9
52.5°	6511.4	*6133.6*	6054.7	5992.7	5724.9	5347.2	5087.9	4899.0	4724.3	4639.7
55°	6855.2	*6719.9*	6663.6	6322.5	5600.9	5116.1	4811.6	4459.3	4219.7	4140.8
57.5°	6968.0	*7579.7*	7559.9	6376.1	5254.2	4696.1	4146.4	3670.0	3422.0	3371.2
60°	*6635.4*	*8253.4*	*8182.9*	*6285.9*	*4625.6*	*3811.0*	*3168.3*	*2680.6*	*2277.6*	*2218.4*
62.5°	6209.7	*7737.5*	7712.2	5832.0	3523.5	2731.4	2367.8	1911.1	1739.2	1694.1
65°	5319.0	*6331.0*	6342.2	4679.2	2229.6	1961.9	1945.0	1519.3	1307.9	1274.1
67.5°	4095.7	*4856.7*	4777.8	2942.8	1299.5	1570.1	1553.1	1110.6	803.3	780.8
70°	2393.1	*3616.5*	3489.6	1530.6	859.7	1310.7	1195.2	780.8	546.8	521.5
72.5°	1057.0	*1990.1*	2136.6	673.7	606.0	1042.9	862.5	479.2	307.2	301.6
75°	586.3	*986.6*	1031.7	293.2	425.6	741.3	521.5	267.8	174.8	171.9
77.5°	352.3	*436.9*	425.6	188.9	318.5	473.6	315.7	152.2	109.9	104.3
80°	197.3	*200.1*	169.1	138.1	188.9	265.0	177.6	95.8	50.7	50.7
82.5°	121.2	*109.9*	87.4	42.3	50.7	160.7	64.8	53.6	16.9	16.9
85°	50.7	*33.8*	22.6	8.5	19.7	42.3	22.6	25.4	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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

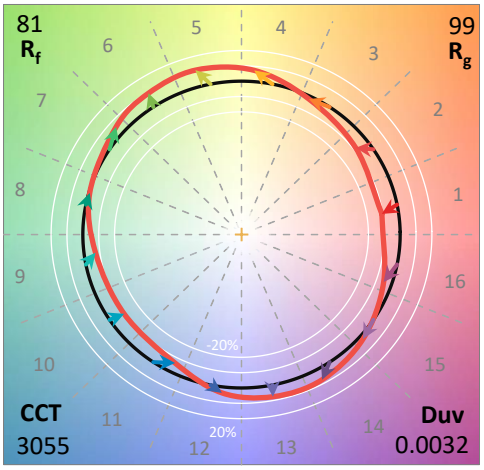
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

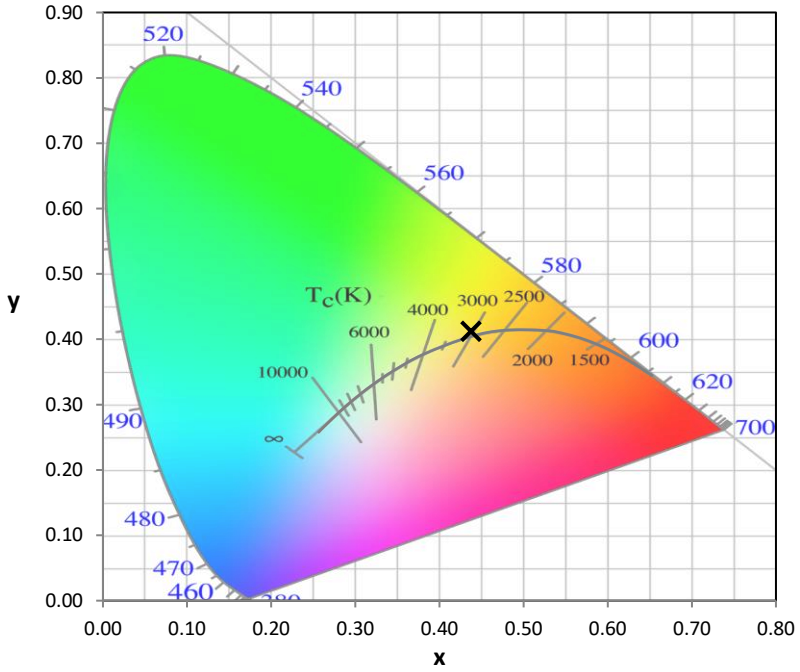
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

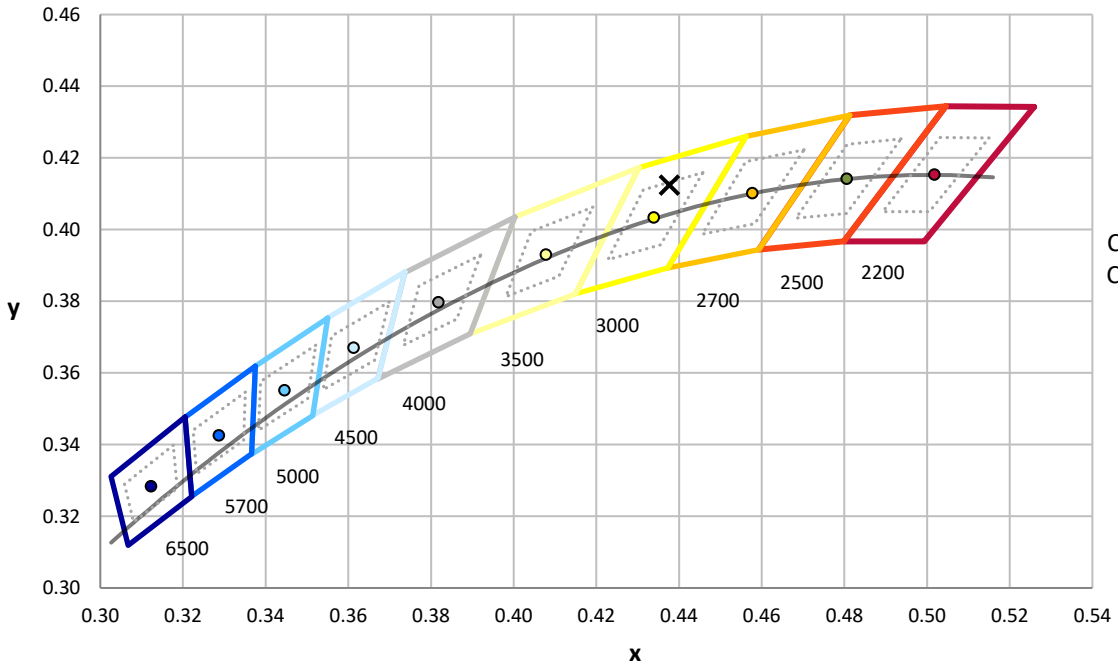
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

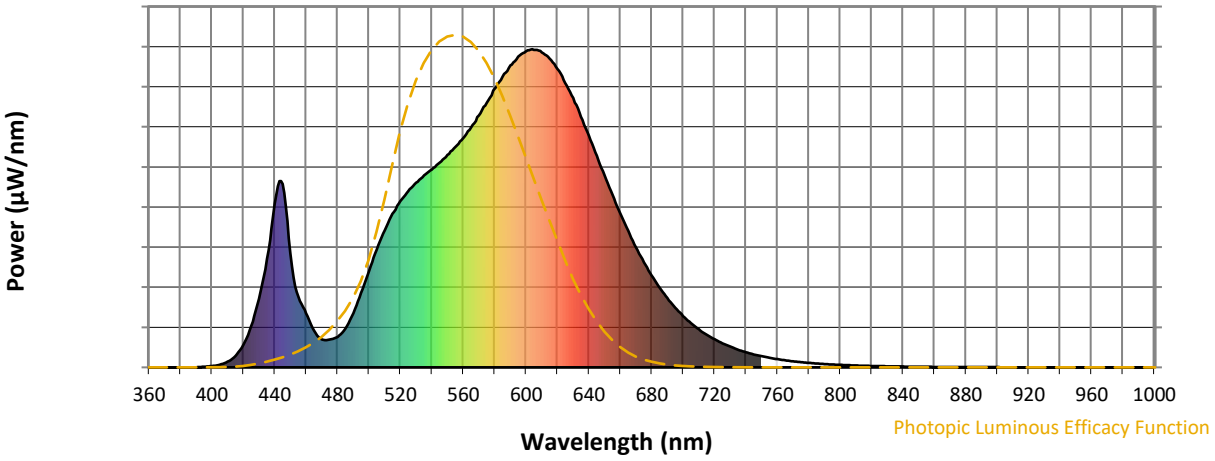


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

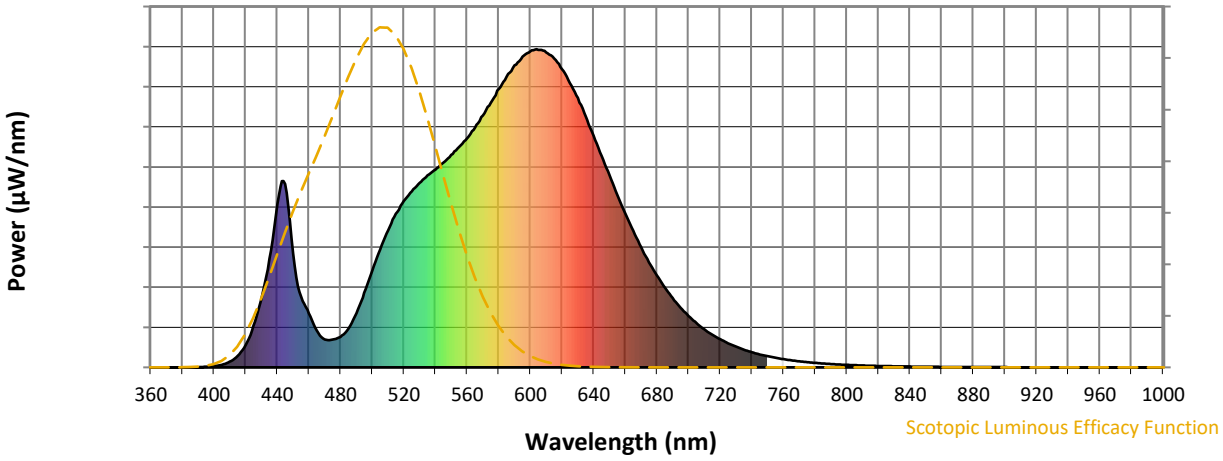


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

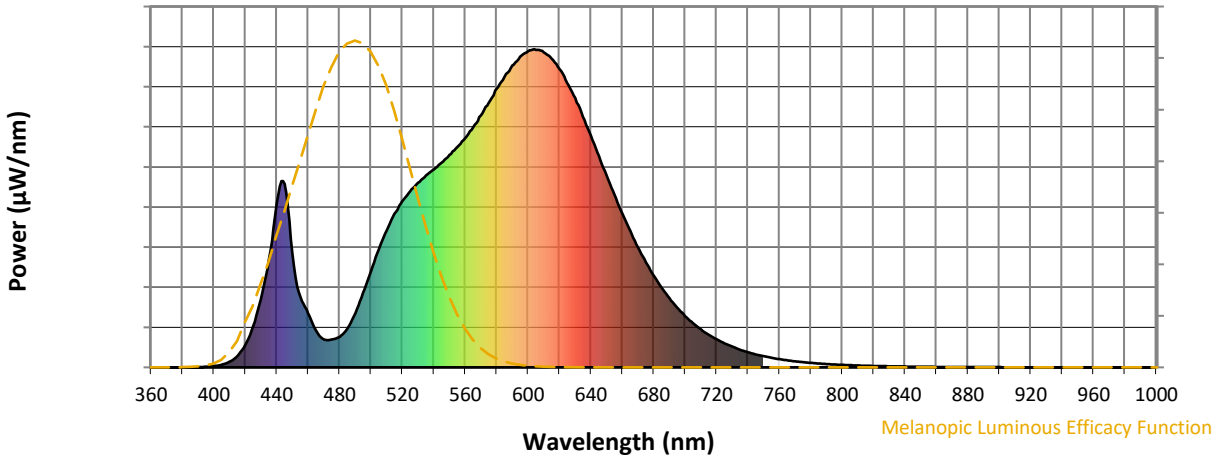


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

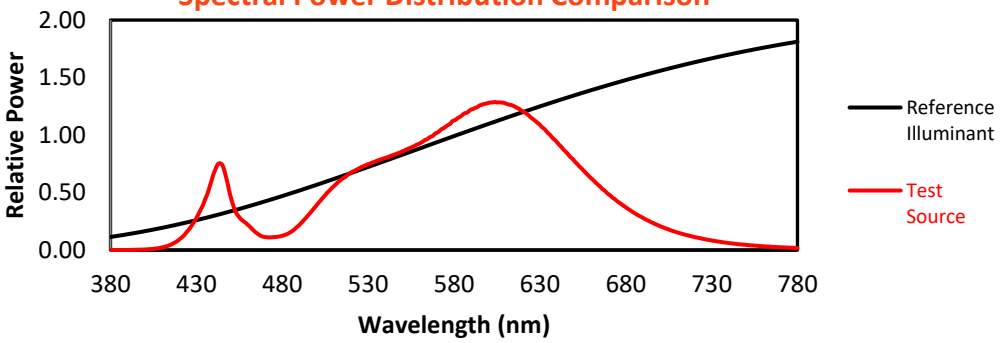
REPORT NUMBER: SP1-2407-184-9

TM-30-18

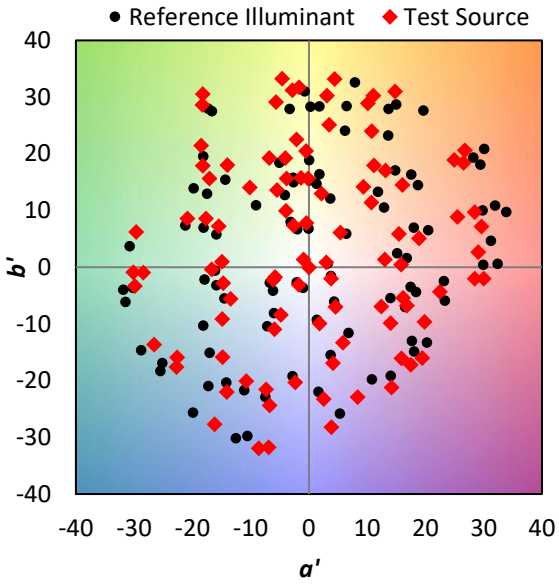
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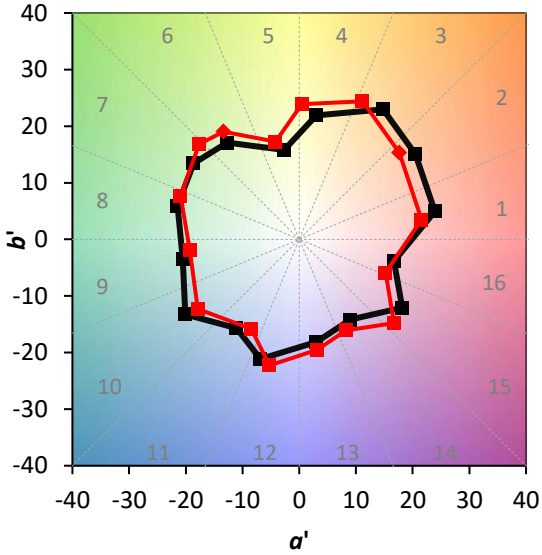
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

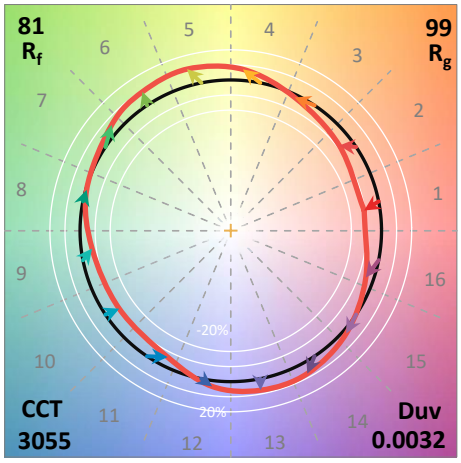
Spectral Power Distribution Comparison

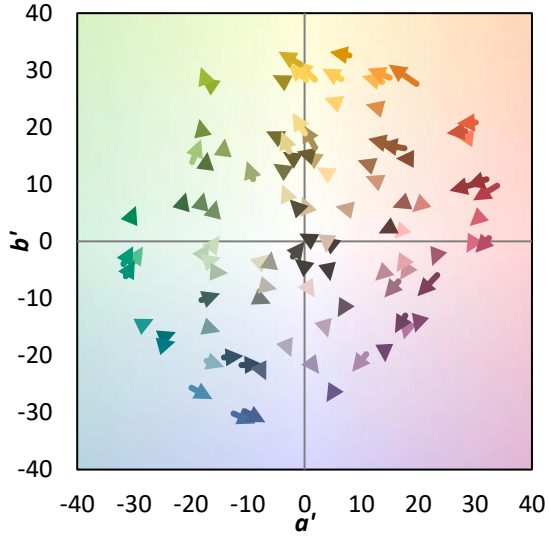


Color Vector Graphics







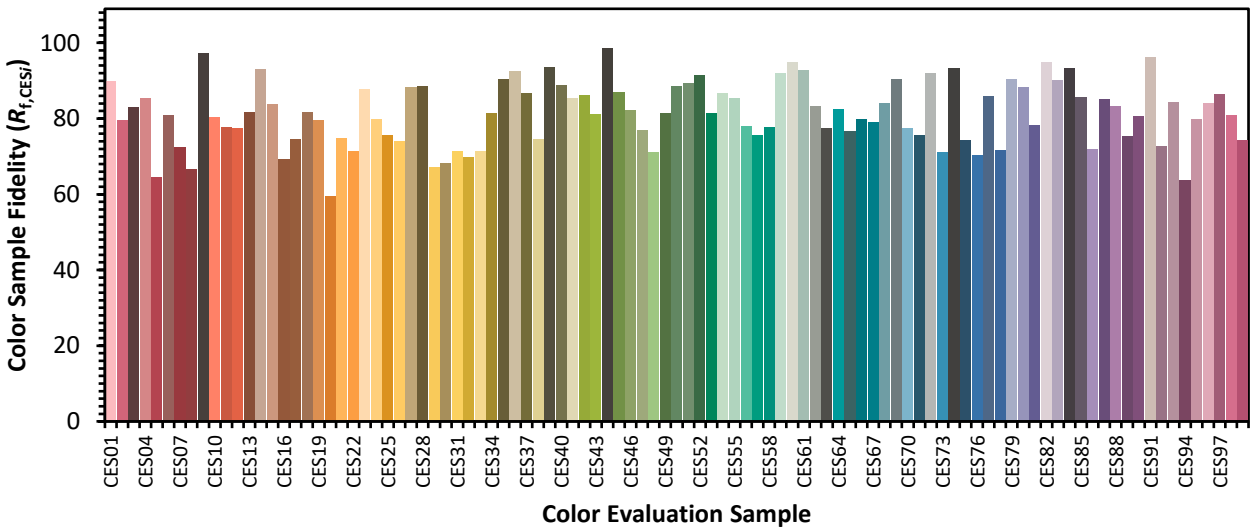


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Individual Sample Fidelity Index ($R_{f,i}$)

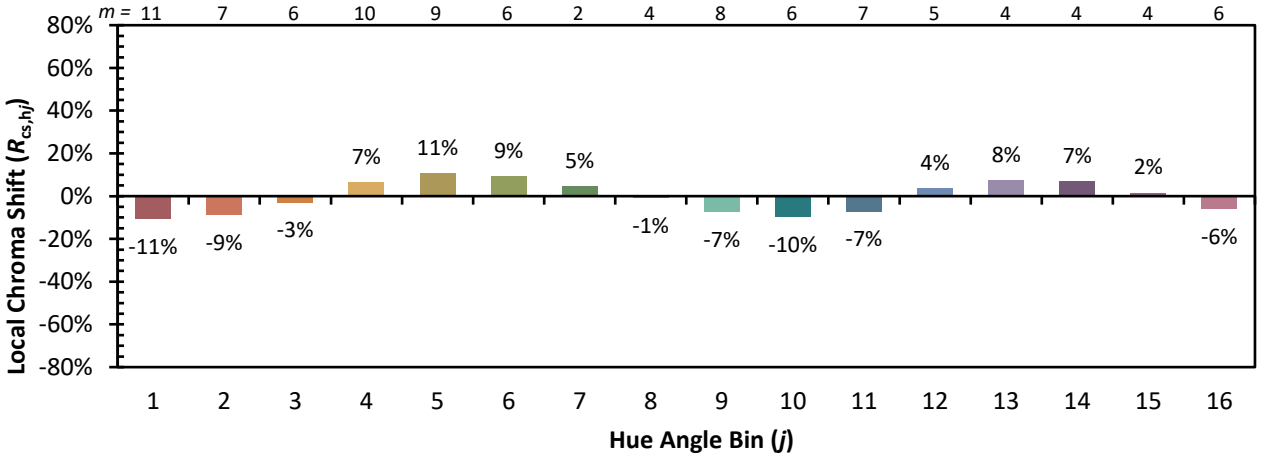
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

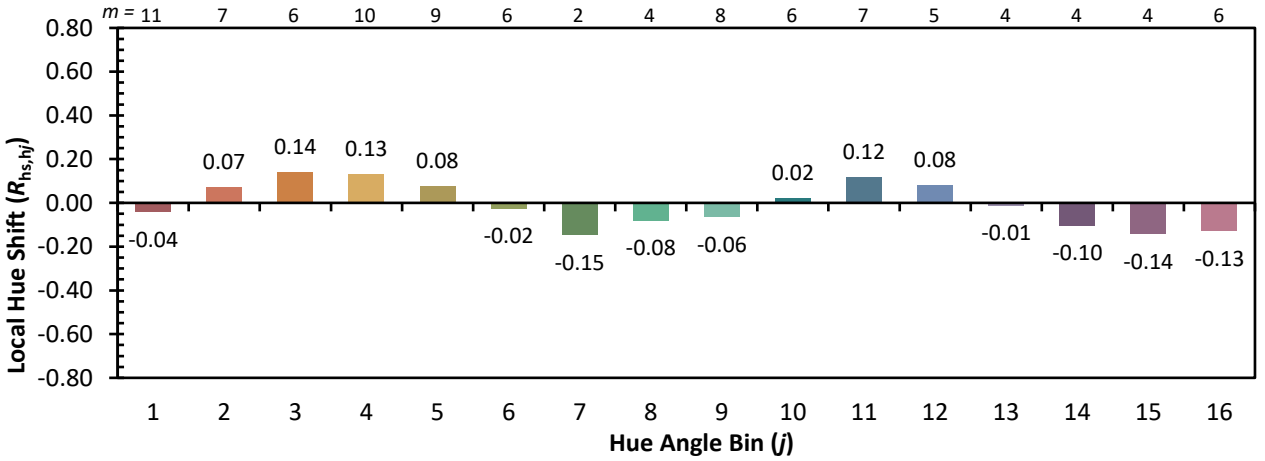


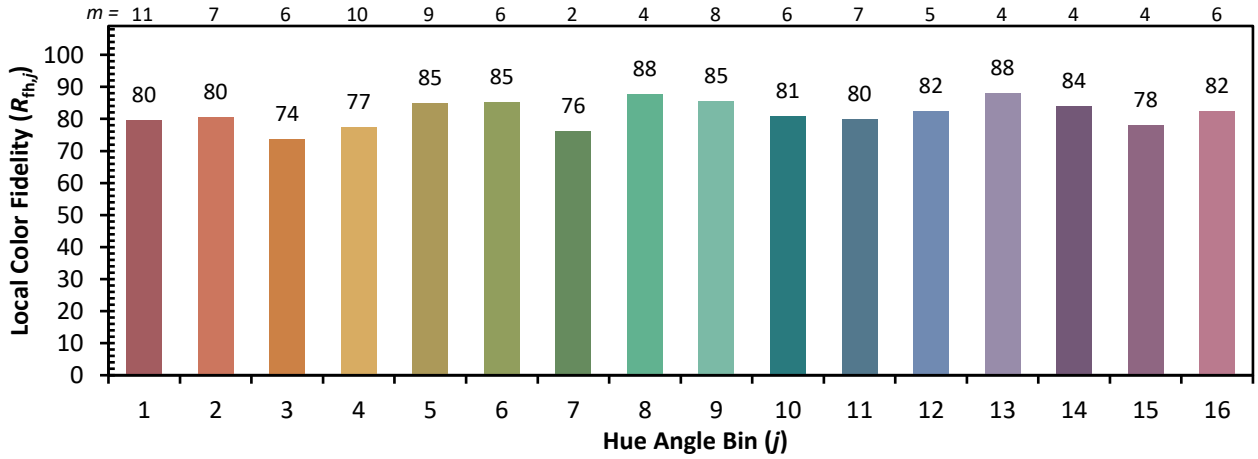
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Color Rendition by Hue-Angle Bin



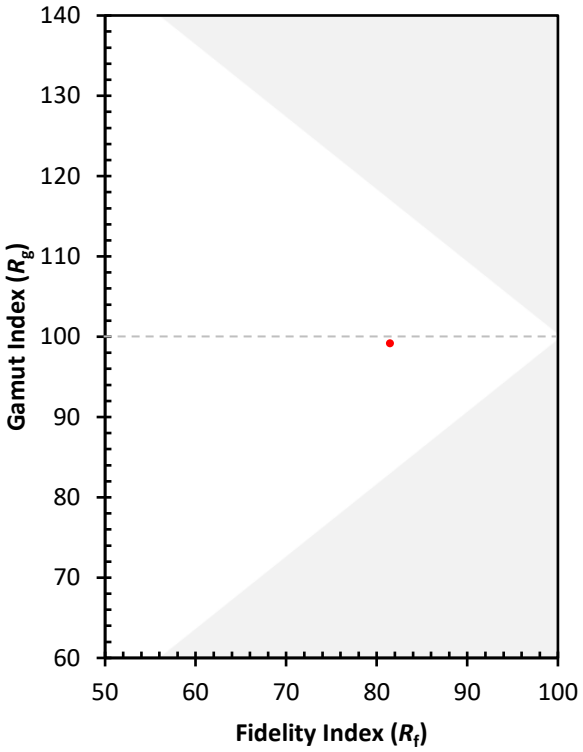


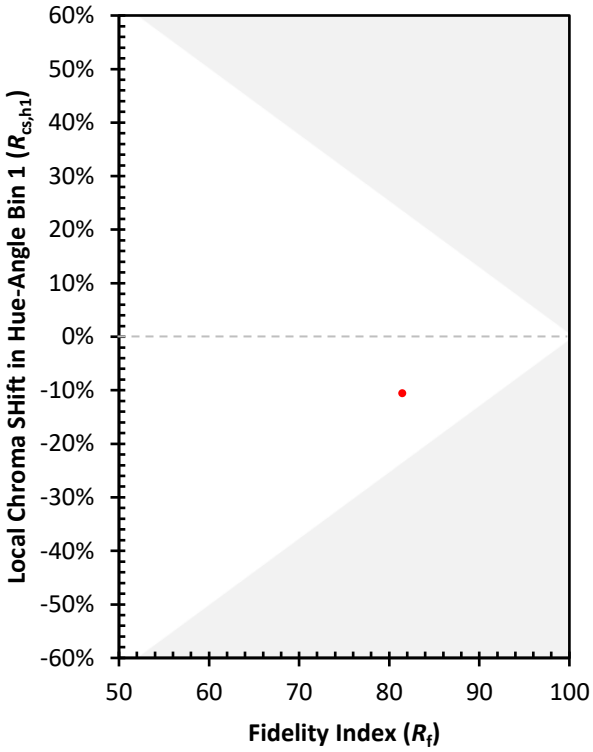


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Measure Comparisons





(END OF REPORT)