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: P1501910

Luminaire Tested: GSS-SB3B-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501910
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11497.9 lumens
Efficiency:	N/A
Efficacy:	105.5 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

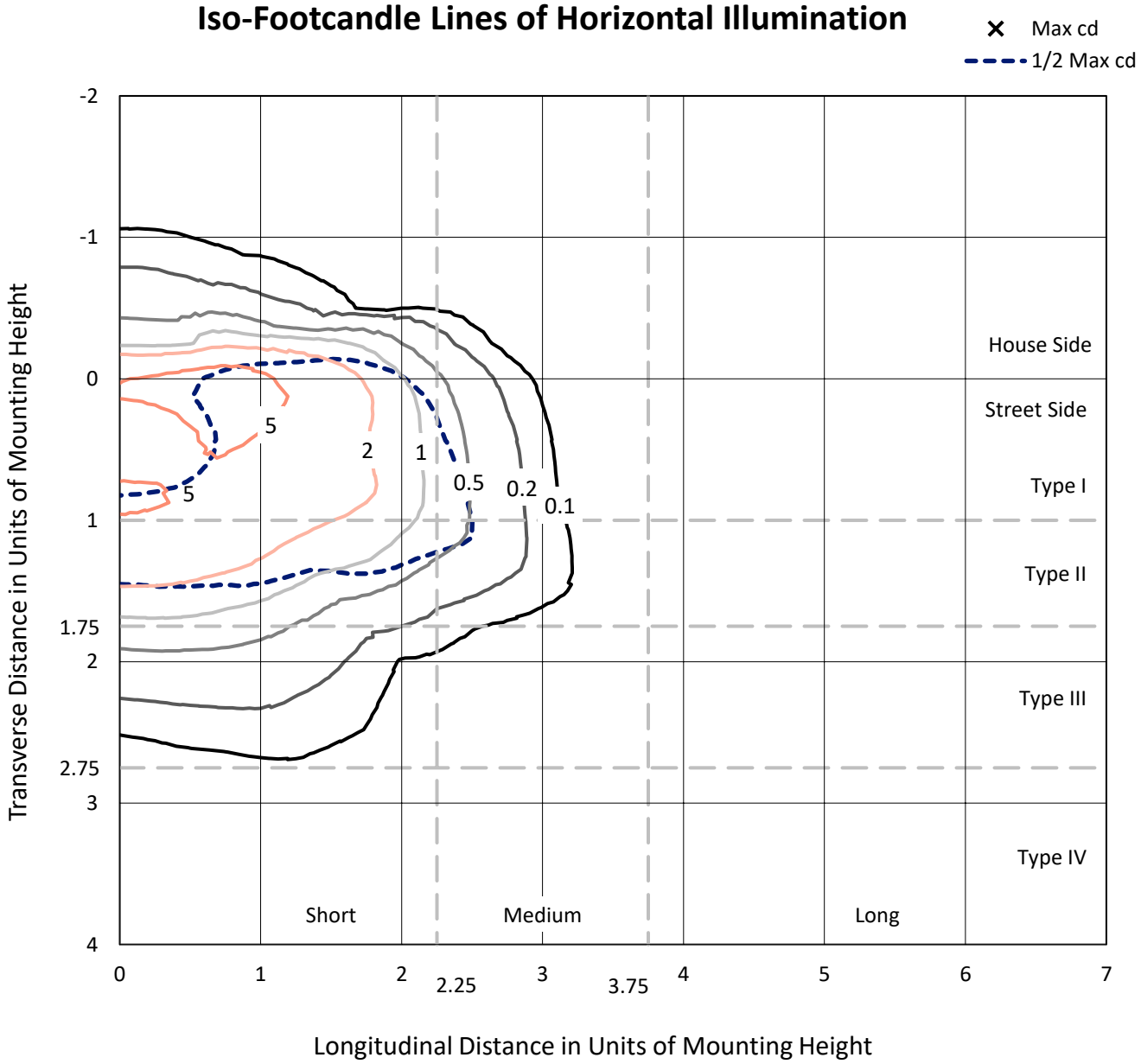
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



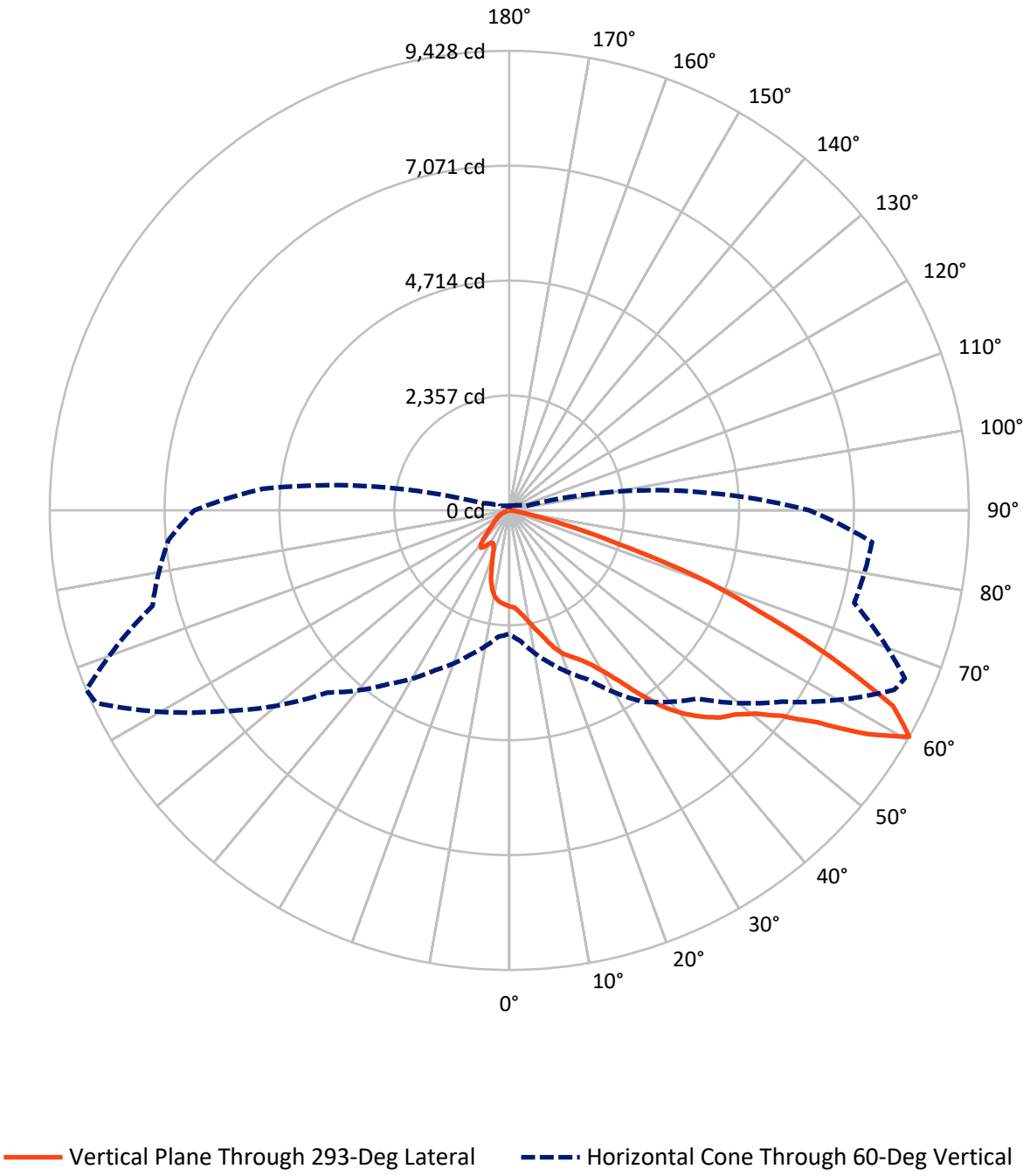
Based on 20 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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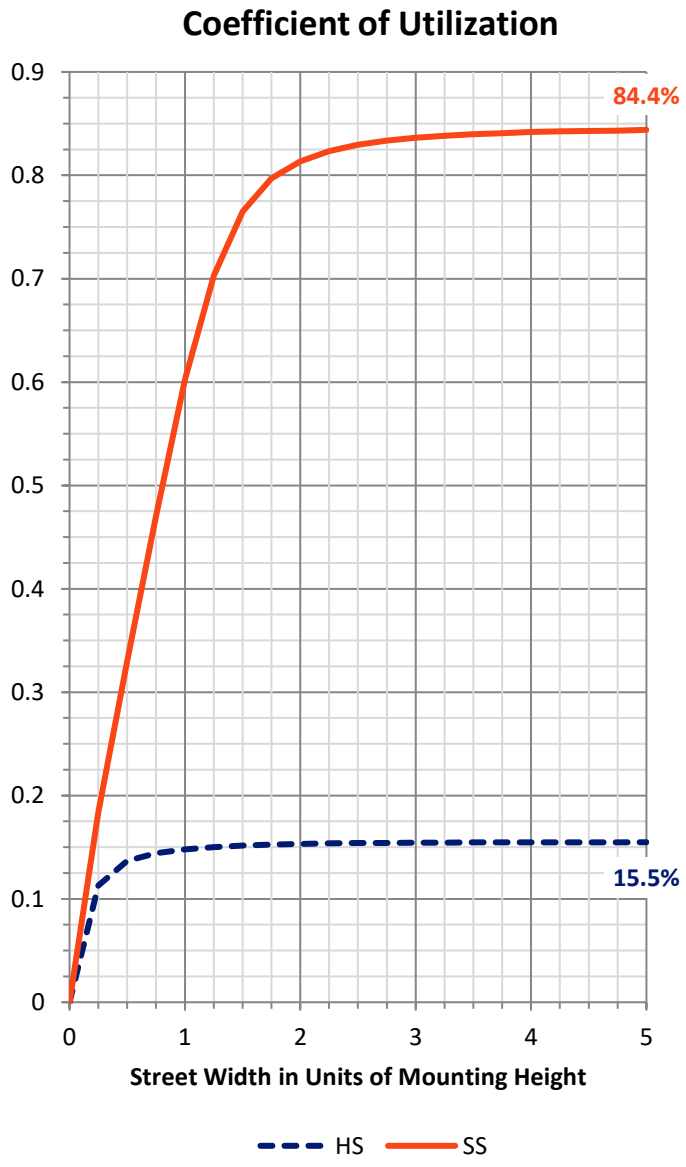
REPORT NUMBER: P1501910
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1794.0	0.0	1794.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	9704.0	0.0	9704.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	11497.9	0.0	11497.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.4	1.6
10°-20°	449.4	3.9
20°-30°	838.9	7.3
30°-40°	1663.7	14.5
40°-50°	2652.6	23.1
50°-60°	3169.1	27.6
60°-70°	2077.6	18.1
70°-80°	435.3	3.8
80°-90°	32.9	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	11497.9	100.0
0°-180°	11497.9	100.0



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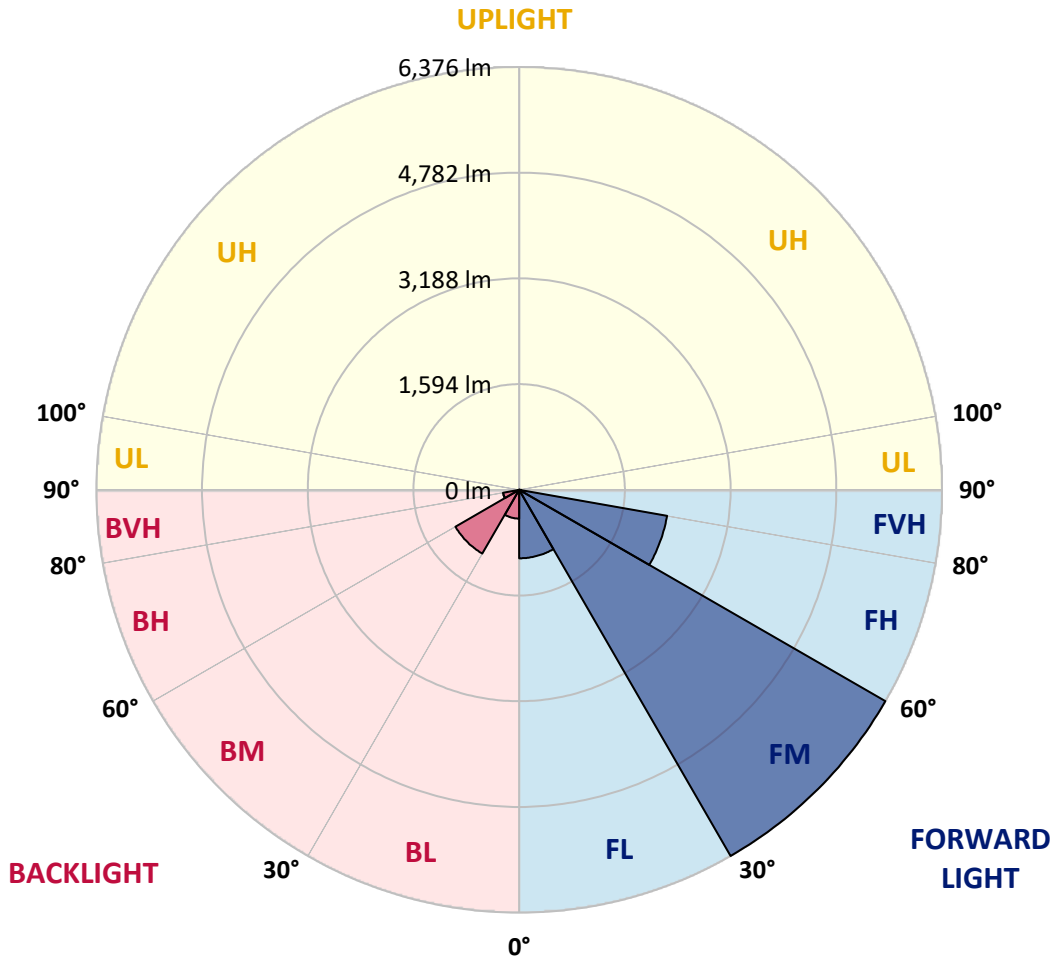
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1032.7	9.0			
FM	(30°-60°)	6376.0	55.5			
FH	(60°-80°)	2265.0	19.7			G2/5000
FVH	(80°-90°)	30.2	0.3			G1/100
BL	(0°-30°)	434.0	3.8	B1/500		
BM	(30°-60°)	1109.4	9.6	B2/2500		
BH	(60°-80°)	247.8	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°	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6
2.5°	2070.4	2064.0	2054.3	2057.6	2054.3	2041.5	2022.1	2006.0	2018.9	1999.6	1986.7
5°	2131.6	2131.6	2125.2	2125.2	2128.4	2122.0	2109.1	2086.5	2089.8	2073.7	2031.8
7.5°	2131.6	2122.0	2138.1	2154.2	2183.1	2199.2	2205.7	2192.8	2199.2	2167.0	2112.3
10°	2006.0	1999.6	2041.5	2102.6	2186.4	2260.4	2308.7	2311.9	2321.6	2289.4	2225.0
12.5°	1738.8	1725.9	1809.6	1925.5	2096.2	2266.9	2402.1	2453.6	2476.2	2463.3	2373.1
15°	1490.8	1506.9	1564.9	1690.5	1919.1	2179.9	2453.6	2624.3	2656.5	2672.6	2566.3
17.5°	1465.1	1468.3	1487.6	1548.8	1722.7	2038.2	2460.1	2801.4	2846.5	2917.3	2772.4
20°	1535.9	1529.5	1548.8	1568.1	1651.8	1912.7	2398.9	2972.0	3059.0	3210.3	3052.5
22.5°	1667.9	1667.9	1677.6	1690.5	1732.3	1903.0	2373.1	3129.8	3277.9	3587.1	3403.5
25°	1890.1	1864.4	1870.8	1854.7	1890.1	2018.9	2431.1	3255.4	3458.3	4005.7	3822.1
27.5°	2234.7	2244.3	2186.4	2099.4	2118.7	2228.2	2572.8	3397.1	3645.0	4440.3	4247.1
30°	2711.2	2695.1	2659.7	2489.0	2411.8	2508.4	2833.6	3628.9	3896.2	4991.0	4813.9
32.5°	3084.7	3129.8	3068.6	2949.5	2830.4	2859.3	3200.7	4002.4	4202.1	5496.5	5399.9
35°	3535.5	3535.5	3548.4	3381.0	3300.5	3294.0	3661.1	4408.1	4607.8	5953.7	6021.4
37.5°	4144.1	4102.3	4031.4	3844.7	3783.5	3864.0	4092.6	4826.7	5042.5	6324.0	6504.4
40°	4656.1	4685.1	4675.4	4404.9	4285.8	4372.7	4575.6	5184.2	5351.6	6562.3	6894.0
42.5°	5158.4	5174.5	5132.6	5003.8	4830.0	4836.4	5003.8	5454.6	5625.3	6790.9	7261.0
45°	5535.1	5531.9	5502.9	5470.7	5367.7	5261.4	5290.4	5754.1	5902.2	6865.0	7460.7
47.5°	5654.3	5680.0	5705.8	5796.0	5866.8	5699.4	5551.2	5915.1	6050.3	6852.1	7534.7
50°	5544.8	5599.5	5725.1	5860.4	6101.9	6089.0	5770.2	6089.0	6221.0	6923.0	7621.7
52.5°	5300.1	5354.8	5522.3	5767.0	6130.8	6311.2	6175.9	6382.0	6536.6	7103.3	7802.0
55°	4730.1	4752.7	5097.2	5419.2	5985.9	6214.6	6610.6	6877.9	7006.7	7322.2	8040.3
57.5°	3851.1	3905.8	4243.9	4768.8	5580.2	5960.2	6858.6	7724.7	7721.5	7531.5	8091.8
60°	*2534.1*	*2695.1*	*3245.7*	*3825.3*	*4794.5*	*5461.1*	*6842.5*	*8716.5*	*8816.3*	*7325.4*	*7470.3*
62.5°	1935.2	2002.8	2315.2	2798.2	3548.4	4527.3	6736.2	9012.7	9090.0	6771.6	6539.8
65°	1455.4	1539.1	1838.6	2270.1	2505.1	3068.6	6040.7	7834.2	7940.5	6043.9	5084.3
67.5°	891.9	959.6	1358.8	1864.4	1896.6	1906.2	4076.5	5934.4	5973.1	4875.0	3422.8
70°	595.7	663.3	940.2	1432.9	1510.2	1098.0	2237.9	4491.9	4488.6	3335.9	2080.1
72.5°	344.5	376.7	595.7	1056.2	1188.2	698.7	1117.3	2856.1	2730.5	1568.1	972.4
75°	196.4	219.0	328.4	679.4	834.0	444.4	441.1	1529.5	1352.4	808.2	531.3
77.5°	119.1	128.8	180.3	444.4	502.3	299.5	244.7	711.6	685.9	473.3	280.1
80°	58.0	67.6	109.5	260.8	322.0	161.0	148.1	280.1	299.5	260.8	148.1
82.5°	19.3	25.8	61.2	99.8	209.3	64.4	61.2	154.6	164.2	154.6	70.8
85°	9.7	12.9	29.0	32.2	80.5	32.2	22.5	67.6	83.7	51.5	29.0
87.5°	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.4	6.4	6.4	6.4
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°	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6
2.5°	1977.1	1970.6	1957.7	1935.2	1932.0	1915.9	1890.1	1874.0	1861.1	1870.8	1874.0
5°	2012.5	1996.4	1957.7	1896.6	1832.2	1767.8	1706.6	1635.7	1587.4	1581.0	1568.1
7.5°	2076.9	2044.7	1961.0	1841.8	1677.6	1523.0	1342.7	1168.9	1081.9	1069.0	1040.1
10°	2179.9	2125.2	1986.7	1745.2	1429.7	1107.7	834.0	647.2	541.0	521.6	528.1
12.5°	2302.3	2225.0	1989.9	1581.0	1088.4	685.9	473.3	402.5	380.0	370.3	370.3
15°	2460.1	2347.4	1986.7	1368.5	734.2	441.1	380.0	351.0	341.3	334.9	334.9
17.5°	2659.7	2511.6	1964.2	1049.7	495.9	383.2	347.8	325.2	312.3	309.1	309.1
20°	2894.8	2695.1	1912.7	782.5	415.4	357.4	328.4	299.5	289.8	283.4	283.4
22.5°	3194.2	2917.3	1812.8	608.6	392.8	341.3	309.1	276.9	267.3	260.8	260.8
25°	3542.0	3200.7	1680.8	547.4	389.6	328.4	289.8	257.6	247.9	244.7	241.5
27.5°	3954.1	3503.3	1558.5	550.6	396.1	318.8	270.5	241.5	231.8	222.2	225.4
30°	4440.3	3815.7	1458.6	589.3	402.5	309.1	257.6	231.8	222.2	209.3	209.3
32.5°	4920.1	4182.8	1449.0	660.1	425.0	302.7	244.7	219.0	209.3	199.6	199.6
35°	5412.8	4517.6	1503.7	753.5	470.1	293.0	228.6	206.1	196.4	190.0	186.8
37.5°	5882.9	4784.9	1555.2	811.4	444.4	251.2	209.3	190.0	180.3	167.4	167.4
40°	6195.2	4929.8	1564.9	766.4	367.1	225.4	190.0	170.7	157.8	151.3	148.1
42.5°	6423.9	5023.2	1455.4	621.5	318.8	206.1	173.9	154.6	144.9	138.5	138.5
45°	6517.2	4991.0	1268.7	473.3	293.0	190.0	157.8	141.7	135.2	128.8	128.8
47.5°	6504.4	4842.8	1078.7	380.0	267.3	173.9	148.1	135.2	128.8	122.4	119.1
50°	6481.8	4704.4	885.5	338.1	238.3	164.2	138.5	128.8	119.1	112.7	109.5
52.5°	6629.9	4659.3	734.2	309.1	222.2	157.8	135.2	122.4	112.7	106.3	106.3
55°	6778.1	4678.6	576.4	289.8	206.1	154.6	132.0	119.1	109.5	99.8	99.8
57.5°	6768.4	4594.9	437.9	270.5	193.2	151.3	128.8	115.9	99.8	93.4	93.4
60°	*6153.4*	*4099.0*	*341.3*	*247.9*	*177.1*	*141.7*	*119.1*	*109.5*	*93.4*	*83.7*	*83.7*
62.5°	5203.5	3223.2	280.1	219.0	157.8	128.8	109.5	99.8	83.7	67.6	67.6
65°	3844.7	2324.8	225.4	190.0	144.9	112.7	99.8	86.9	67.6	54.7	51.5
67.5°	2601.7	1429.7	180.3	157.8	128.8	96.6	83.7	74.1	61.2	45.1	41.9
70°	1542.4	759.9	132.0	109.5	96.6	70.8	70.8	64.4	51.5	38.6	35.4
72.5°	734.2	264.0	96.6	80.5	74.1	51.5	54.7	54.7	41.9	29.0	25.8
75°	373.5	128.8	64.4	58.0	48.3	38.6	45.1	41.9	29.0	19.3	19.3
77.5°	212.5	90.2	45.1	38.6	32.2	25.8	29.0	25.8	16.1	9.7	9.7
80°	119.1	64.4	29.0	25.8	19.3	16.1	16.1	12.9	9.7	3.2	3.2
82.5°	45.1	38.6	19.3	12.9	9.7	9.7	6.4	6.4	3.2	0.0	0.0
85°	19.3	9.7	9.7	6.4	6.4	3.2	3.2	3.2	0.0	0.0	0.0
87.5°	3.2	3.2	3.2	3.2	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°	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6
2.5°	1848.3	1854.7	1861.1	1886.9	1893.3	1912.7	1928.8	1948.1	1951.3	1977.1	1977.1
5°	1593.9	1590.7	1645.4	1725.9	1777.4	1848.3	1903.0	1961.0	1993.2	2035.0	2054.3
7.5°	1056.2	1136.7	1259.0	1400.7	1584.2	1754.9	1883.7	1996.4	2073.7	2122.0	2141.3
10°	524.9	569.9	698.7	930.6	1242.9	1590.7	1864.4	2073.7	2199.2	2254.0	2289.4
12.5°	370.3	380.0	402.5	528.1	827.5	1320.2	1803.2	2157.4	2331.3	2434.3	2479.4
15°	331.7	338.1	347.8	383.2	512.0	985.3	1693.7	2250.8	2537.3	2656.5	2714.4
17.5°	305.9	309.1	318.8	347.8	402.5	669.8	1516.6	2350.6	2785.3	2930.2	3039.7
20°	283.4	283.4	293.0	328.4	373.5	515.2	1262.2	2463.3	3100.8	3310.1	3419.6
22.5°	257.6	264.0	270.5	309.1	363.9	470.1	1024.0	2550.2	3451.8	3706.2	3835.0
25°	238.3	244.7	251.2	289.8	354.2	470.1	885.5	2605.0	3844.7	4147.3	4324.4
27.5°	222.2	228.6	238.3	276.9	344.5	489.4	830.8	2621.1	4272.9	4665.7	4904.0
30°	209.3	215.7	225.4	267.3	351.0	512.0	850.1	2598.5	4707.6	5200.3	5483.6
32.5°	196.4	202.9	212.5	257.6	351.0	541.0	914.5	2553.4	5129.4	5734.8	6082.5
35°	186.8	190.0	193.2	231.8	318.8	537.7	995.0	2508.4	5554.5	6262.9	6668.6
37.5°	167.4	170.7	177.1	199.6	254.4	489.4	1011.1	2453.6	5889.3	6707.2	7154.8
40°	148.1	154.6	161.0	183.5	212.5	396.1	940.2	2337.7	6066.4	7048.5	7592.7
42.5°	135.2	138.5	144.9	167.4	196.4	315.6	788.9	2134.8	6224.2	7280.4	7911.5
45°	125.6	128.8	135.2	151.3	183.5	273.7	621.5	1886.9	6237.1	7354.4	8066.0
47.5°	115.9	119.1	122.4	138.5	177.1	244.7	476.6	1661.5	6233.9	7451.0	8198.1
50°	109.5	112.7	119.1	132.0	167.4	219.0	392.8	1478.0	6369.1	7660.3	8465.3
52.5°	106.3	106.3	115.9	128.8	157.8	199.6	328.4	1313.8	6440.0	7866.4	8658.5
55°	99.8	103.0	109.5	122.4	148.1	190.0	280.1	1107.7	6472.2	7969.4	8693.9
57.5°	93.4	96.6	106.3	115.9	141.7	180.3	241.5	827.5	6011.7	7431.7	8101.5
60°	*83.7*	*90.2*	*103.0*	*112.7*	*132.0*	*164.2*	*212.5*	*560.3*	*5071.5*	*6459.3*	*7019.6*
62.5°	67.6	80.5	93.4	99.8	119.1	138.5	180.3	373.5	4050.7	5345.2	5982.7
65°	51.5	67.6	77.3	86.9	99.8	115.9	151.3	254.4	2701.6	3596.7	4314.8
67.5°	45.1	58.0	64.4	70.8	83.7	99.8	122.4	177.1	1639.0	2160.6	2869.0
70°	35.4	48.3	54.7	51.5	64.4	77.3	86.9	119.1	837.2	1172.1	1632.5
72.5°	25.8	38.6	41.9	41.9	38.6	54.7	64.4	83.7	363.9	569.9	740.6
75°	19.3	25.8	29.0	25.8	22.5	35.4	45.1	54.7	238.3	341.3	431.5
77.5°	9.7	9.7	16.1	16.1	9.7	19.3	22.5	32.2	135.2	199.6	247.9
80°	3.2	0.0	0.0	3.2	0.0	6.4	9.7	16.1	70.8	106.3	154.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	35.4	32.2	80.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	19.3
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: P1501910
CATALOG NUMBER: GSS-SB3B-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1970.6	*1970.6*	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6	1970.6
2.5°	1993.2	*1993.2*	2006.0	2025.4	2035.0	2041.5	2044.7	2051.1	2076.9	2070.4
5°	2076.9	*2083.3*	2093.0	2112.3	2134.8	2128.4	2128.4	2128.4	2144.5	2131.6
7.5°	2186.4	*2205.7*	2208.9	2231.4	2215.3	2183.1	2163.8	2134.8	2131.6	2131.6
10°	2363.5	*2357.0*	2357.0	2328.0	2270.1	2176.7	2093.0	2035.0	2002.8	2006.0
12.5°	2553.4	*2527.7*	2530.9	2424.6	2260.4	2054.3	1883.7	1758.1	1748.4	1738.8
15°	2788.5	*2720.9*	2708.0	2463.3	2115.5	1800.0	1632.5	1532.7	1500.5	1490.8
17.5°	3123.4	*2952.7*	2891.5	2395.7	1925.5	1642.2	1516.6	1471.5	1468.3	1465.1
20°	3477.6	*3139.5*	3023.6	2295.8	1861.1	1645.4	1552.0	1539.1	1532.7	1535.9
22.5°	3889.7	*3258.6*	3110.5	2311.9	1919.1	1751.7	1677.6	1667.9	1661.5	1667.9
25°	4314.8	*3397.1*	3213.5	2440.7	2093.0	1948.1	1861.1	1841.8	1861.1	1890.1
27.5°	4743.0	*3583.8*	3416.4	2695.1	2373.1	2215.3	2131.6	2202.5	2231.4	2234.7
30°	5123.0	*3844.7*	3690.1	3052.5	2691.9	2534.1	2550.2	2640.4	2675.8	2711.2
32.5°	5470.7	*4192.4*	4073.3	3458.3	3104.1	3010.7	3001.0	3068.6	3107.3	3084.7
35°	5821.7	*4646.4*	4530.5	3899.4	3609.6	3532.3	3451.8	3583.8	3571.0	3535.5
37.5°	6153.4	*5103.7*	4997.4	4372.7	4073.3	3938.0	3925.2	4044.3	4150.6	4144.1
40°	6391.7	*5474.0*	5345.2	4842.8	4559.5	4443.6	4511.2	4717.3	4691.5	4656.1
42.5°	6610.6	*5789.5*	5673.6	5255.0	4958.8	5010.3	5071.5	5209.9	5193.8	5158.4
45°	6713.7	*6060.0*	5960.2	5567.3	5422.4	5586.7	5583.4	5635.0	5548.0	5535.1
47.5°	6858.6	*6253.2*	6150.2	5847.5	5976.3	6043.9	5853.9	5799.2	5718.7	5654.3
50°	7125.8	*6552.7*	6449.6	6272.5	6382.0	6172.7	5940.9	5821.7	5657.5	5544.8
52.5°	7438.1	*7006.7*	6916.5	6845.7	6539.8	6108.3	5812.1	5596.3	5396.7	5300.1
55°	7831.0	*7676.4*	7612.0	7222.4	6398.1	5844.3	5496.5	5094.0	4820.3	4730.1
57.5°	7959.8	*8658.5*	8636.0	7283.6	6002.0	5364.5	4736.6	4192.4	3909.1	3851.1
60°	*7579.8*	*9428.1*	*9347.6*	*7180.5*	*5284.0*	*4353.4*	*3619.3*	*3062.2*	*2601.7*	*2534.1*
62.5°	7093.6	*8838.8*	8809.9	6662.1	4025.0	3120.2	2704.8	2183.1	1986.7	1935.2
65°	6076.1	*7232.1*	7244.9	5345.2	2547.0	2241.1	2221.8	1735.6	1494.1	1455.4
67.5°	4678.6	*5548.0*	5457.9	3361.7	1484.4	1793.5	1774.2	1268.7	917.7	891.9
70°	2733.8	*4131.2*	3986.3	1748.4	982.1	1497.3	1365.3	891.9	624.7	595.7
72.5°	1207.5	*2273.3*	2440.7	769.6	692.3	1191.4	985.3	547.4	351.0	344.5
75°	669.8	*1127.0*	1178.5	334.9	486.2	846.9	595.7	305.9	199.6	196.4
77.5°	402.5	*499.1*	486.2	215.7	363.9	541.0	360.6	173.9	125.6	119.1
80°	225.4	*228.6*	193.2	157.8	215.7	302.7	202.9	109.5	58.0	58.0
82.5°	138.5	*125.6*	99.8	48.3	58.0	183.5	74.1	61.2	19.3	19.3
85°	58.0	*38.6*	25.8	9.7	22.5	48.3	25.8	29.0	9.7	9.7
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

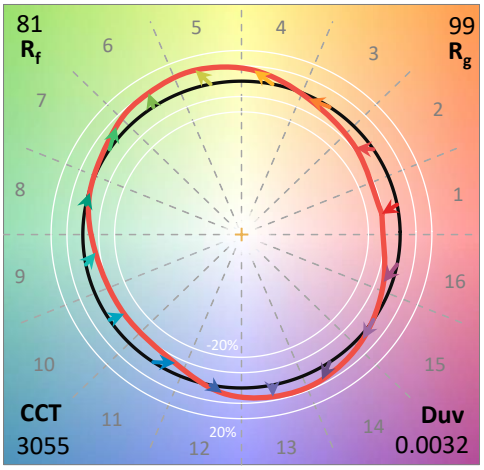
Test Information

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

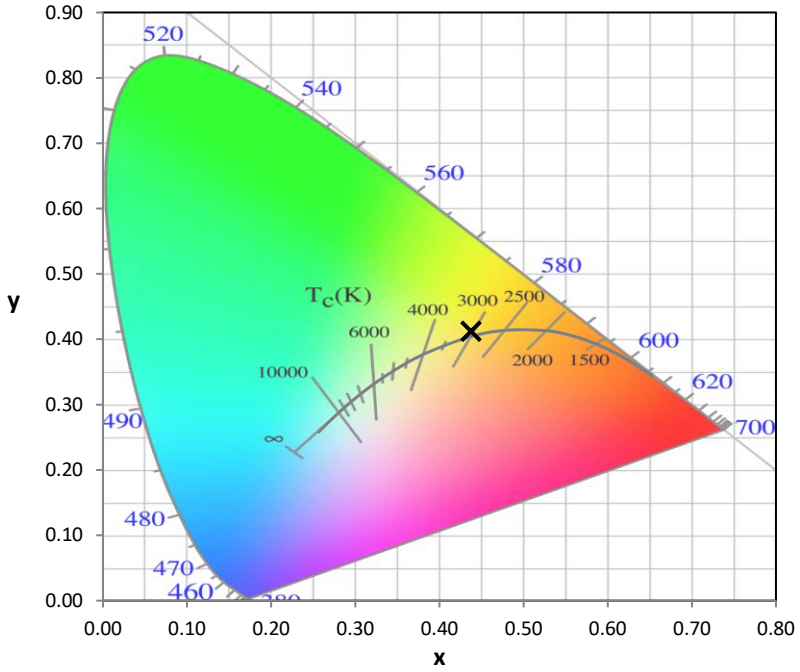
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

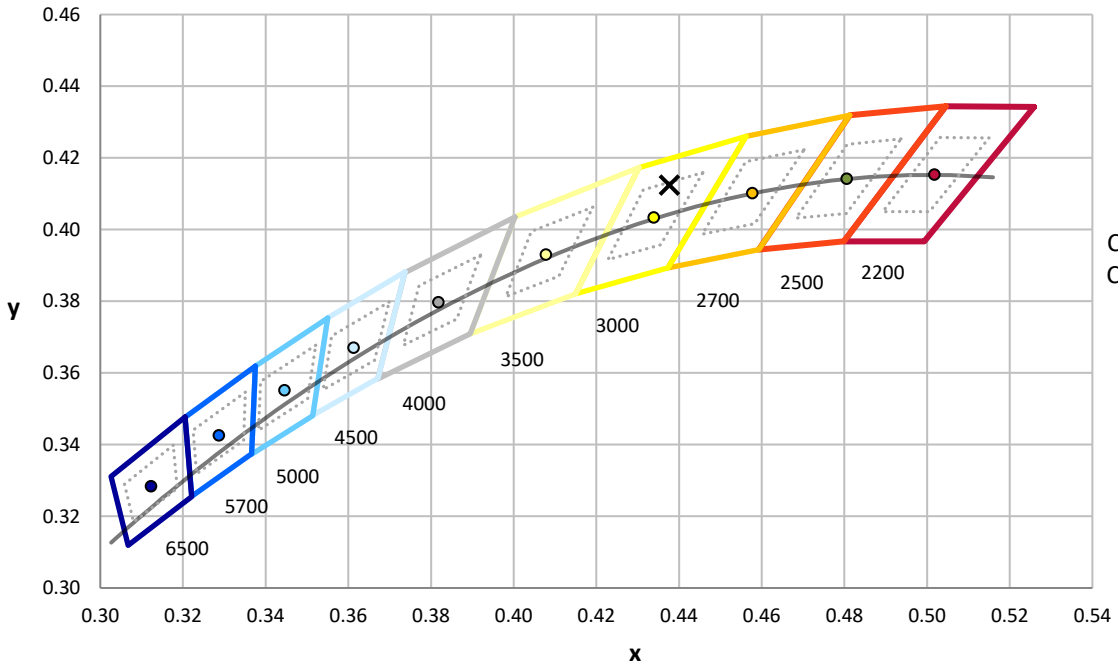
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

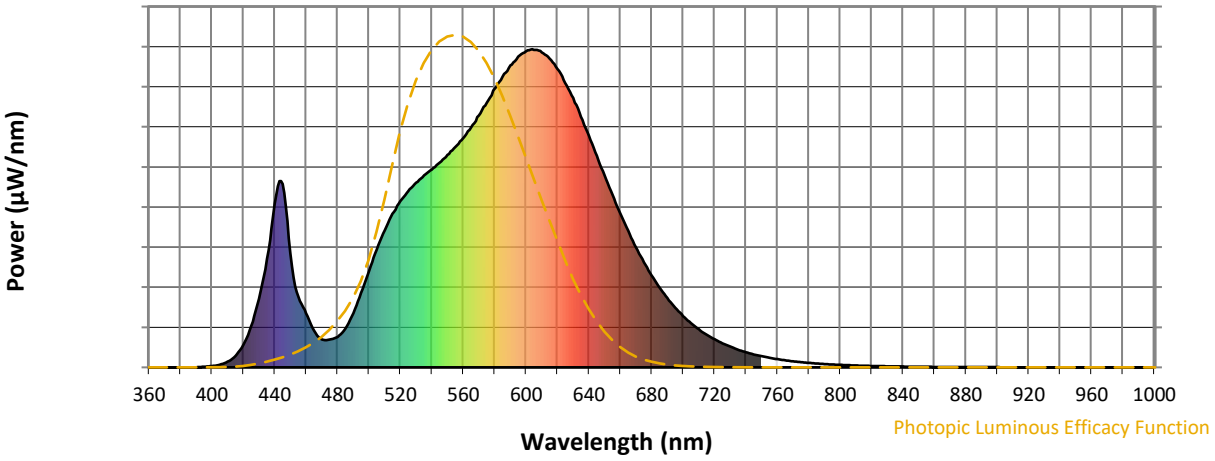


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

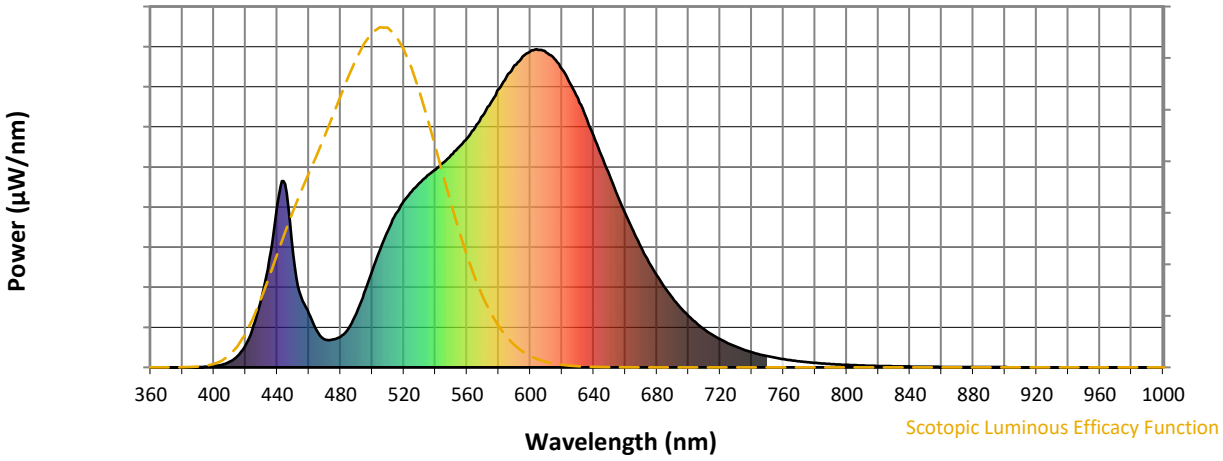


Photopic Lumens: NR

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

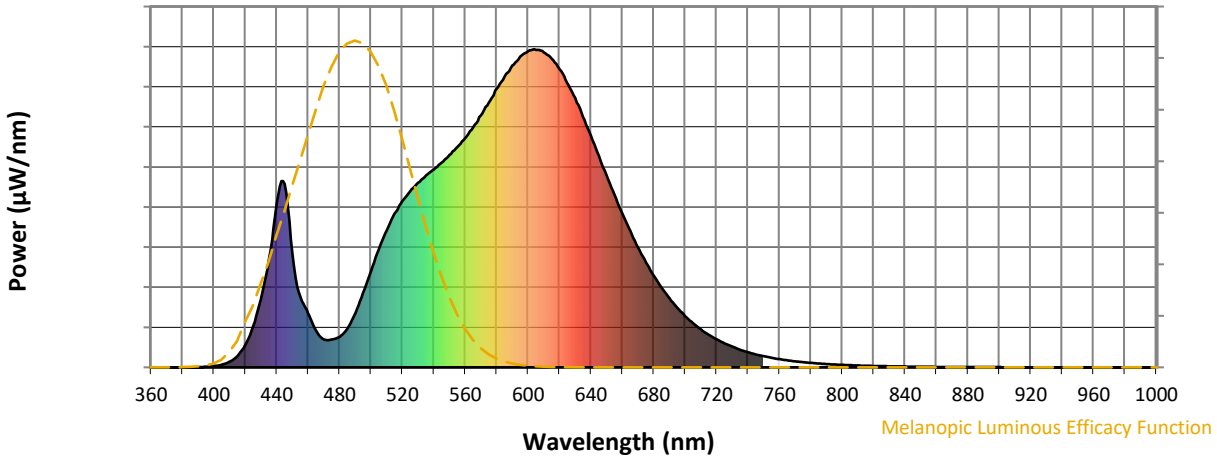


Scotopic Lumens: NR **S/P: 1.28**

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			

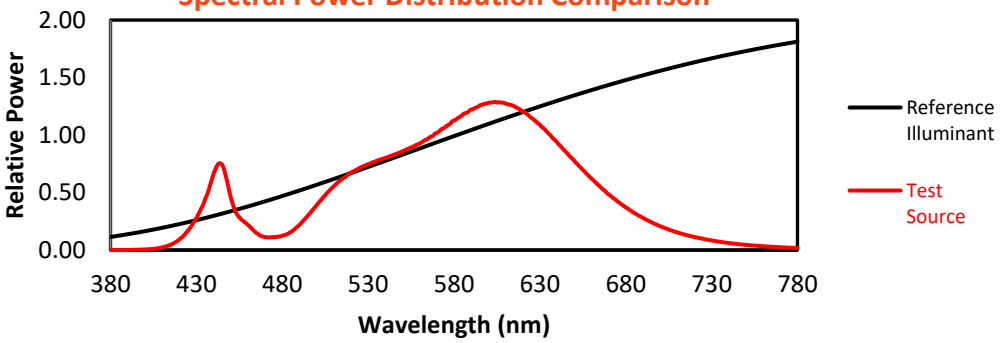
REPORT NUMBER: SP1-2407-184-9

TM-30-18

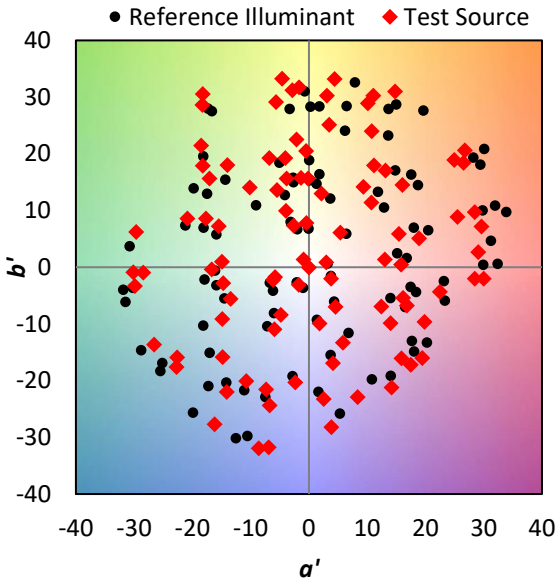
Summary

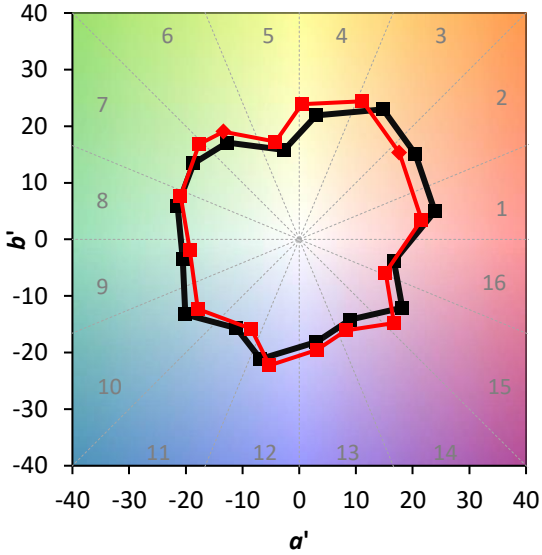
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

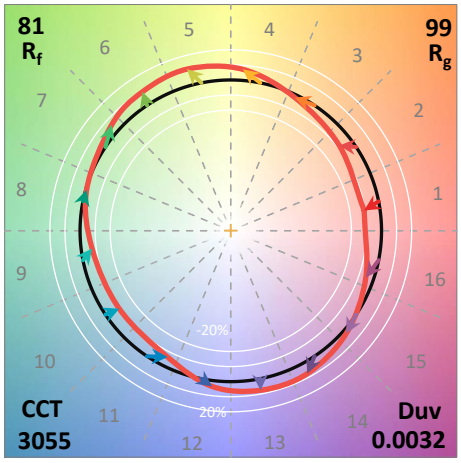
Spectral Power Distribution Comparison

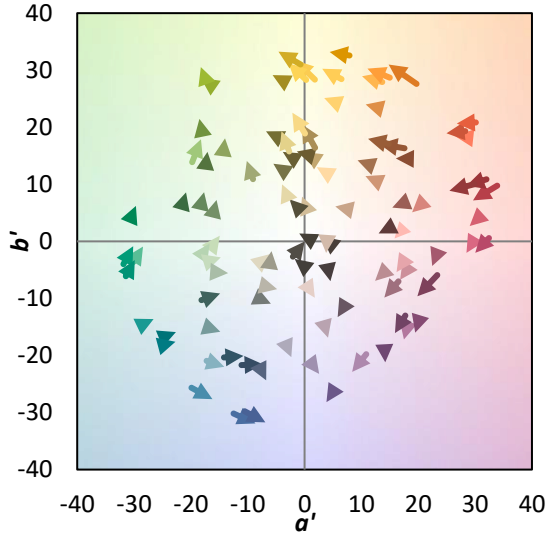


Color Vector Graphics







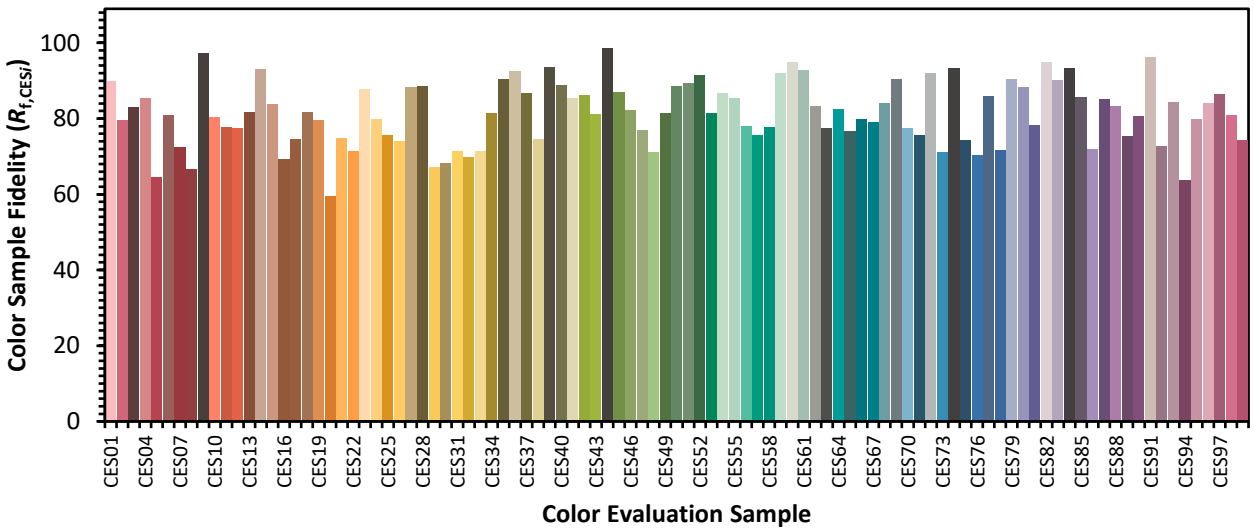


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

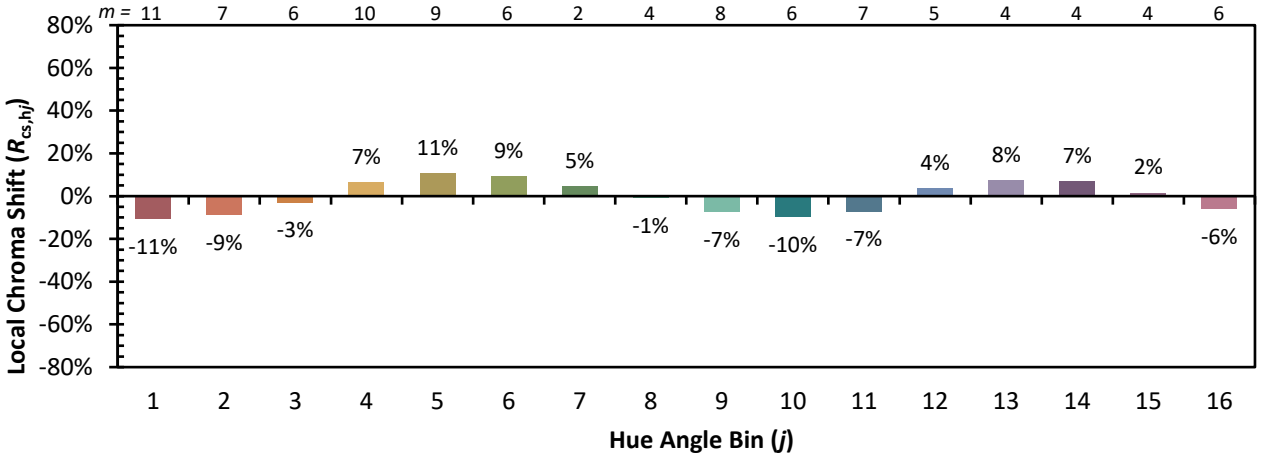
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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
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CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

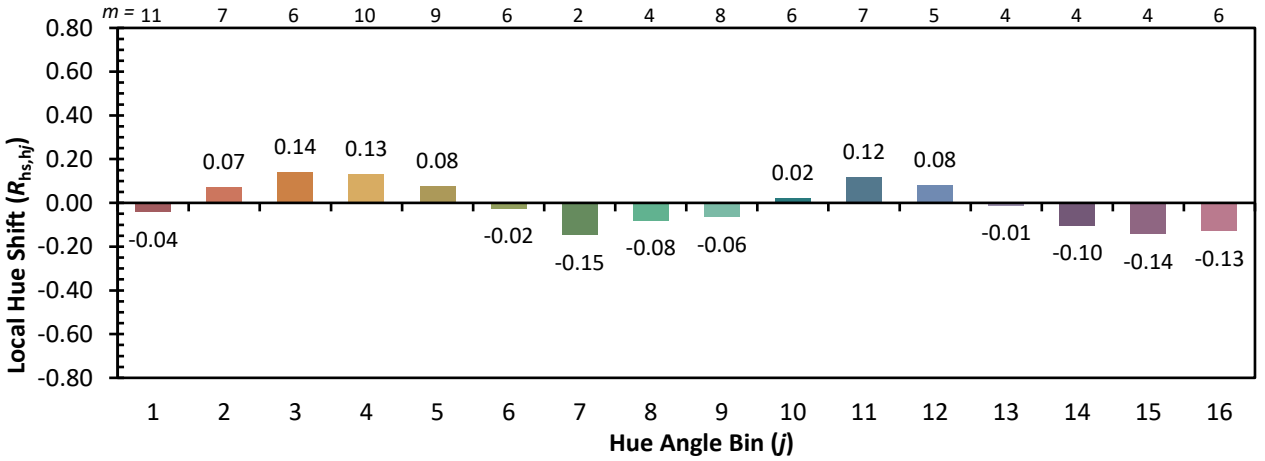


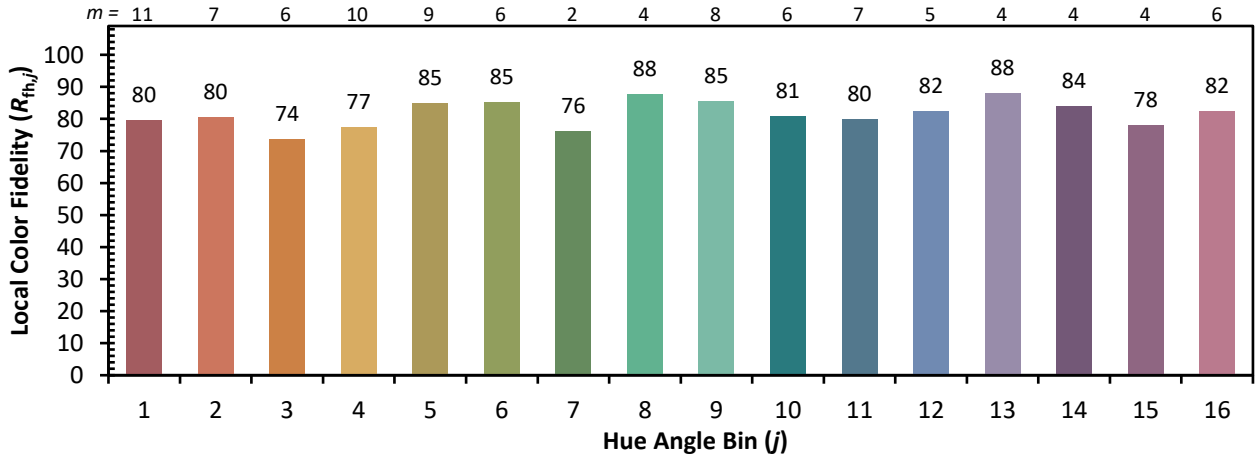
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Color Rendition by Hue-Angle Bin



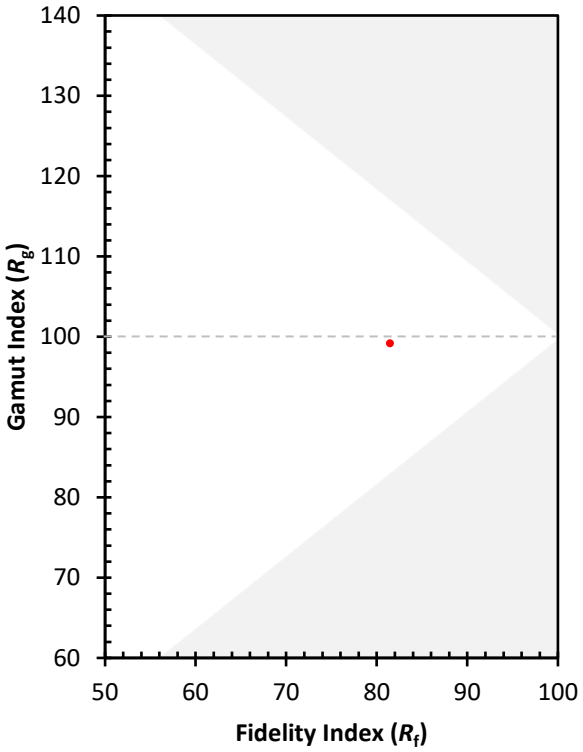


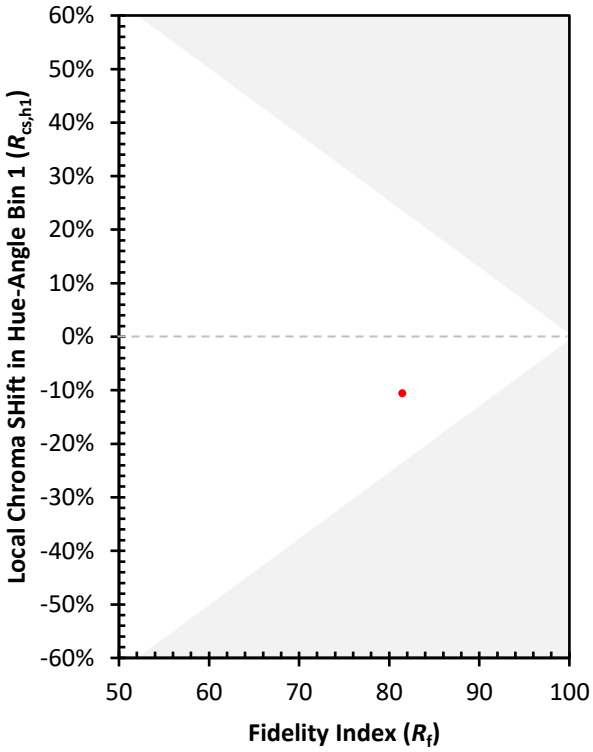


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Measure Comparisons





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