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: P1501811

Luminaire Tested: GSS-SB2C-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:	P1501811
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11203.4 lumens
Efficiency:	N/A
Efficacy:	109.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

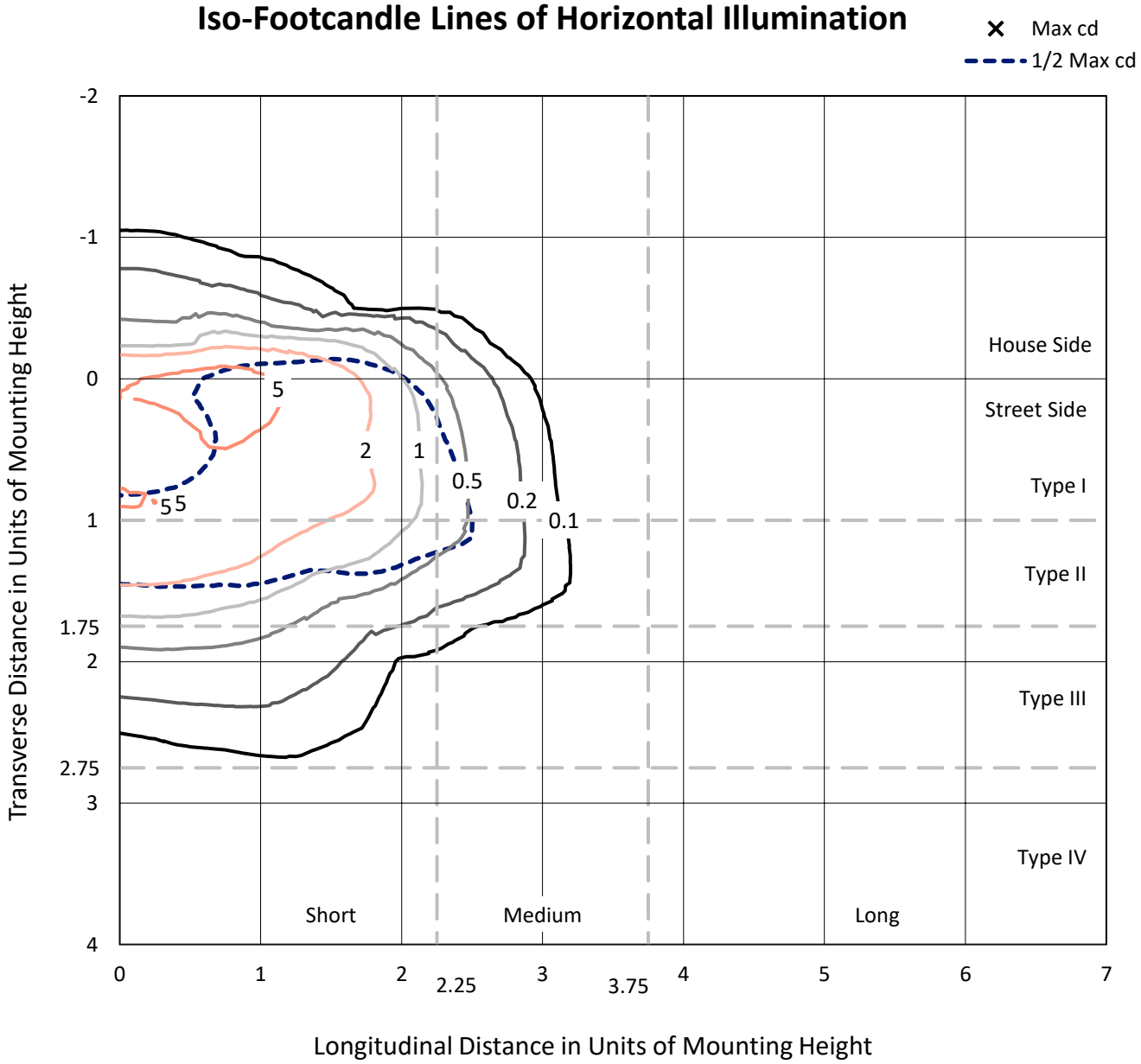
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



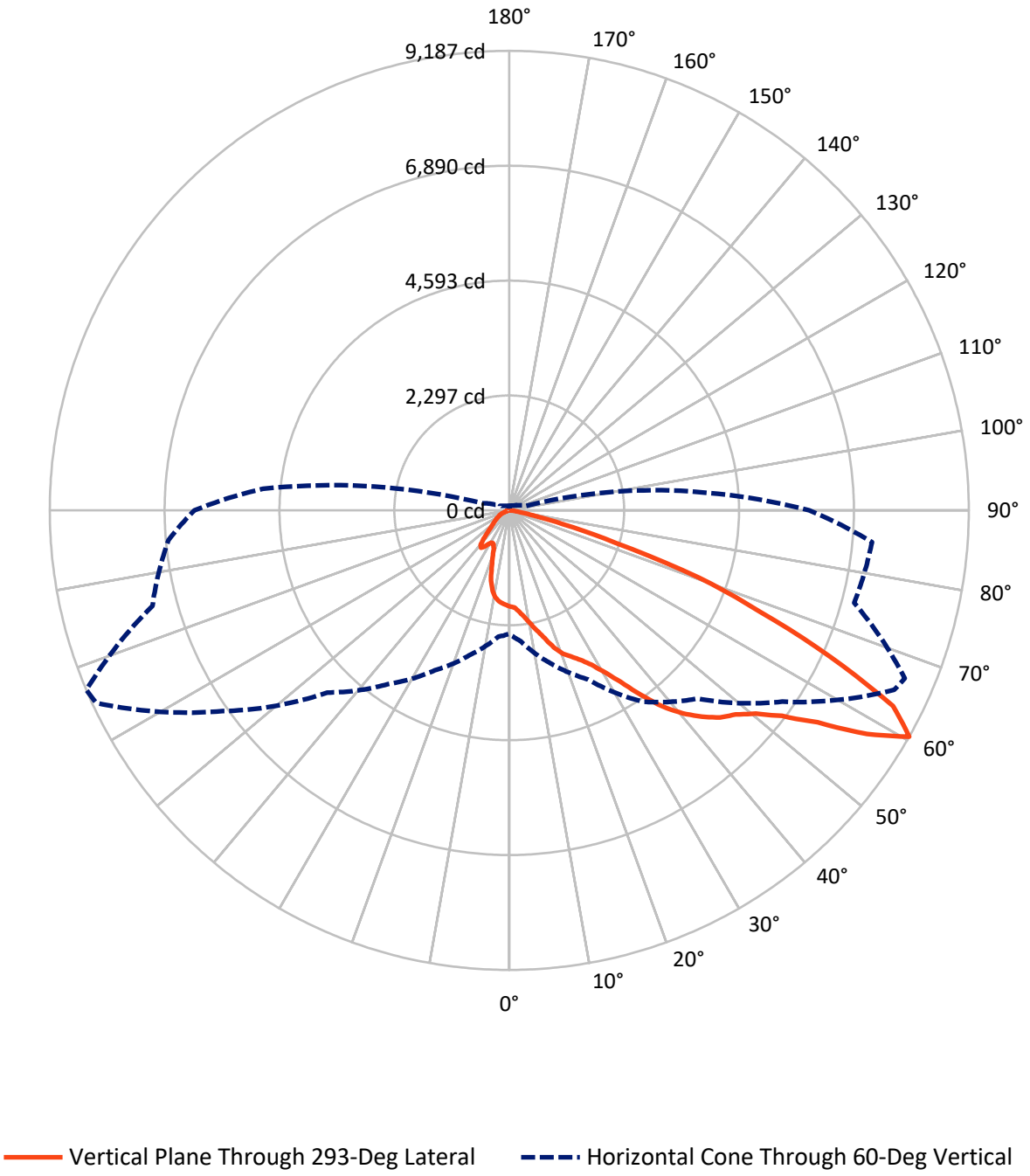
Based on 20 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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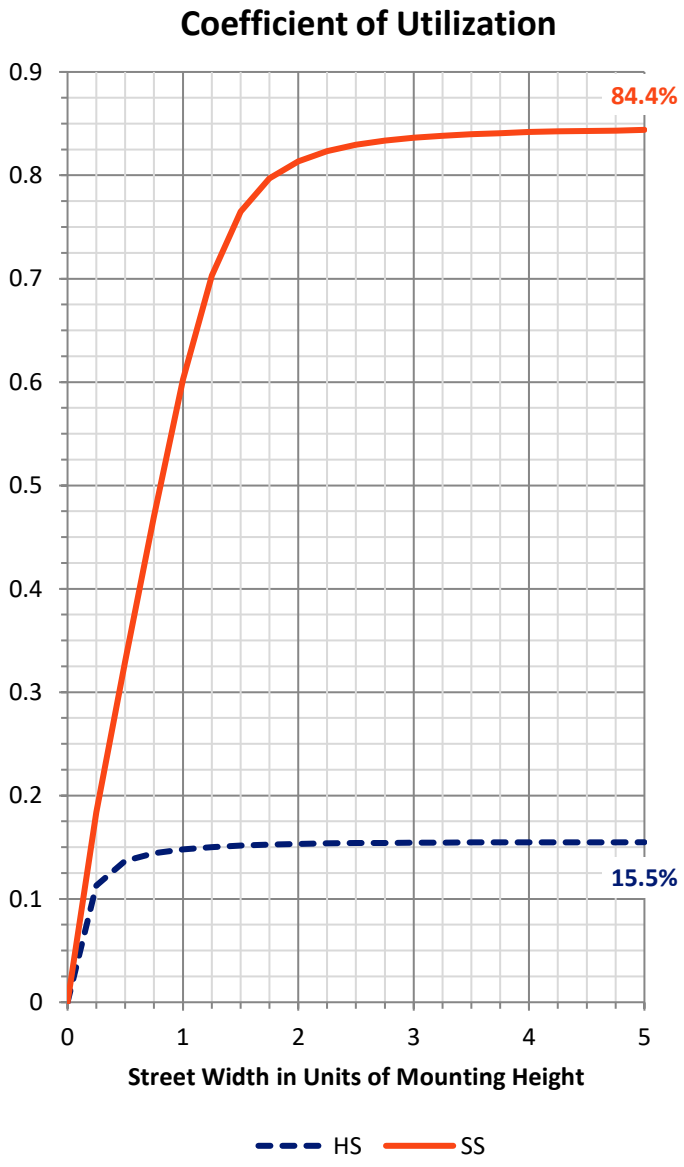
REPORT NUMBER: P1501811
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1748.0	0.0	1748.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	9455.4	0.0	9455.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	11203.4	0.0	11203.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	1.6
10°-20°	437.9	3.9
20°-30°	817.5	7.3
30°-40°	1621.1	14.5
40°-50°	2584.6	23.1
50°-60°	3088.0	27.6
60°-70°	2024.3	18.1
70°-80°	424.1	3.8
80°-90°	32.1	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°	11203.4	100.0
0°-180°	11203.4	100.0



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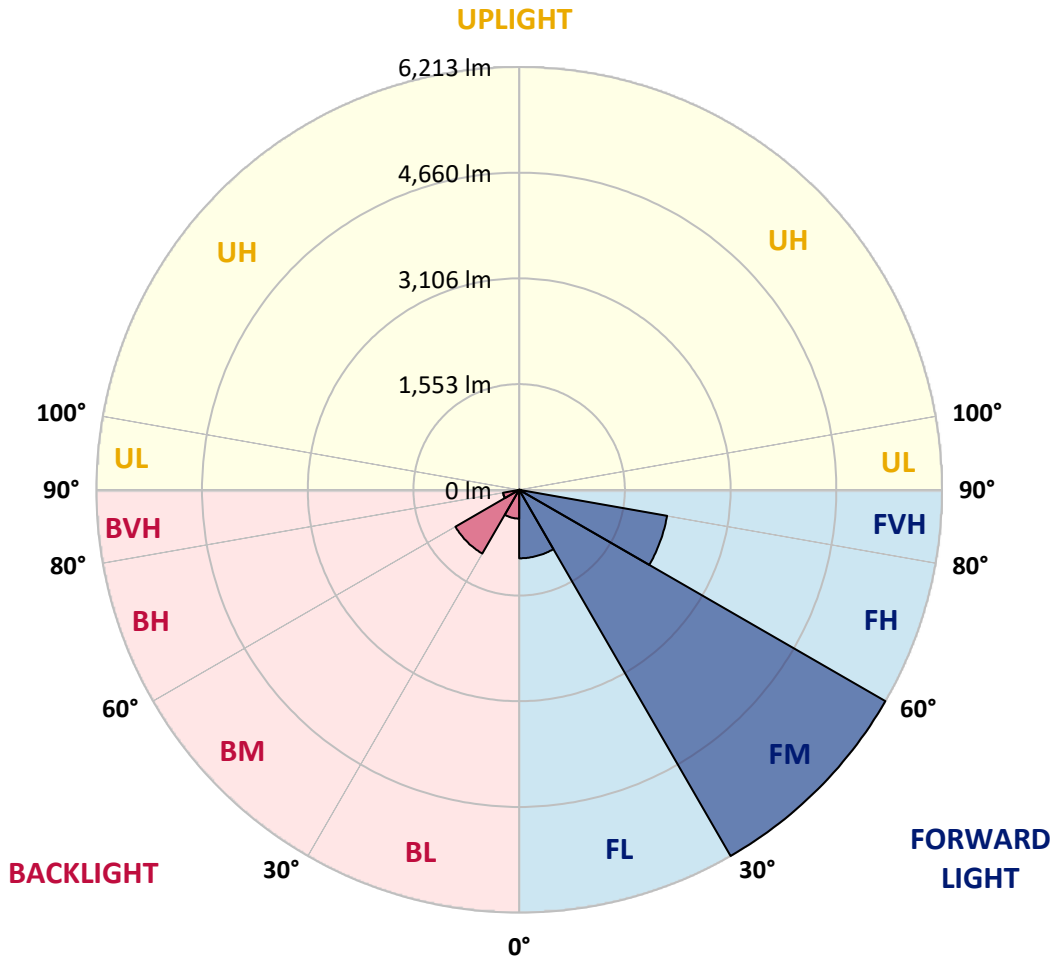
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1006.3	9.0			
FM	(30°-60°)	6212.7	55.5			
FH	(60°-80°)	2207.0	19.7			G2/5000
FVH	(80°-90°)	29.4	0.3			G1/100
BL	(0°-30°)	422.9	3.8	B1/500		
BM	(30°-60°)	1081.0	9.6	B2/2500		
BH	(60°-80°)	241.5	2.2	B1/500		G1/500
BVH	(80°-90°)	2.7	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°	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1
2.5°	2017.4	2011.1	2001.7	2004.9	2001.7	1989.2	1970.3	1954.7	1967.2	1948.4	1935.8
5°	2077.0	2077.0	2070.7	2070.7	2073.9	2067.6	2055.1	2033.1	2036.2	2020.5	1979.8
7.5°	2077.0	2067.6	2083.3	2099.0	2127.2	2142.9	2149.2	2136.6	2142.9	2111.5	2058.2
10°	1954.7	1948.4	1989.2	2048.8	2130.4	2202.5	2249.6	2252.7	2262.1	2230.8	2168.0
12.5°	1694.2	1681.7	1763.3	1876.2	2042.5	2208.8	2340.6	2390.8	2412.7	2400.2	2312.3
15°	1452.7	1468.3	1524.8	1647.2	1869.9	2124.1	2390.8	2557.1	2588.4	2604.1	2500.6
17.5°	1427.6	1430.7	1449.5	1509.1	1678.6	1986.0	2397.0	2729.6	2773.5	2842.6	2701.4
20°	1496.6	1490.3	1509.1	1528.0	1609.5	1863.7	2337.4	2895.9	2980.6	3128.1	2974.3
22.5°	1625.2	1625.2	1634.6	1647.2	1688.0	1854.3	2312.3	3049.6	3194.0	3495.2	3316.3
25°	1841.7	1816.6	1822.9	1807.2	1841.7	1967.2	2368.8	3172.0	3369.7	3903.0	3724.2
27.5°	2177.4	2186.8	2130.4	2045.6	2064.5	2171.1	2506.9	3310.1	3551.6	4326.6	4138.4
30°	2641.8	2626.1	2591.6	2425.3	2350.0	2444.1	2761.0	3536.0	3796.4	4863.1	4690.6
32.5°	3005.7	3049.6	2990.0	2873.9	2757.9	2786.1	3118.7	3899.9	4094.4	5355.7	5261.6
35°	3445.0	3445.0	3457.5	3294.4	3215.9	3209.7	3567.3	4295.2	4489.8	5801.2	5867.1
37.5°	4038.0	3997.2	3928.1	3746.2	3686.6	3765.0	3987.8	4703.1	4913.3	6162.0	6337.7
40°	4536.8	4565.1	4555.6	4292.1	4176.0	4260.7	4458.4	5051.4	5214.5	6394.2	6717.4
42.5°	5026.3	5042.0	5001.2	4875.7	4706.2	4712.5	4875.7	5314.9	5481.2	6617.0	7075.1
45°	5393.4	5390.2	5362.0	5330.6	5230.2	5126.7	5154.9	5606.7	5751.0	6689.1	7269.6
47.5°	5509.4	5534.5	5559.6	5647.5	5716.5	5553.4	5409.0	5763.6	5895.4	6676.6	7341.7
50°	5402.8	5456.1	5578.5	5710.2	5945.6	5933.0	5622.4	5933.0	6061.6	6745.6	7426.5
52.5°	5164.3	5217.7	5380.8	5619.3	5973.8	6149.5	6017.7	6218.5	6369.1	6921.3	7602.2
55°	4609.0	4630.9	4966.7	5280.4	5832.6	6055.4	6441.3	6701.7	6827.2	7134.7	7834.3
57.5°	3752.4	3805.8	4135.2	4646.6	5437.3	5807.5	6682.9	7526.9	7523.7	7338.6	7884.5
60°	*2469.2*	*2626.1*	*3162.6*	*3727.3*	*4671.7*	*5321.2*	*6667.2*	*8493.2*	*8590.5*	*7137.8*	*7279.0*
62.5°	1885.6	1951.5	2255.9	2726.5	3457.5	4411.3	6563.6	8781.9	8857.2	6598.2	6372.3
65°	1418.1	1499.7	1791.5	2211.9	2441.0	2990.0	5885.9	7633.5	7737.1	5889.1	4954.1
67.5°	869.1	935.0	1324.0	1816.6	1848.0	1857.4	3972.1	5782.4	5820.1	4750.2	3335.2
70°	580.4	646.3	916.1	1396.2	1471.5	1069.9	2180.6	4376.8	4373.7	3250.4	2026.8
72.5°	335.7	367.1	580.4	1029.1	1157.7	680.8	1088.7	2783.0	2660.6	1528.0	947.5
75°	191.4	213.3	320.0	662.0	812.6	433.0	429.8	1490.3	1317.7	787.5	517.7
77.5°	116.1	125.5	175.7	433.0	489.4	291.8	238.4	693.4	668.3	461.2	273.0
80°	56.5	65.9	106.7	254.1	313.7	156.9	144.3	273.0	291.8	254.1	144.3
82.5°	18.8	25.1	59.6	97.3	203.9	62.7	59.6	150.6	160.0	150.6	69.0
85°	9.4	12.5	28.2	31.4	78.4	31.4	22.0	65.9	81.6	50.2	28.2
87.5°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.3	6.3	6.3	6.3
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°	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1
2.5°	1926.4	1920.1	1907.6	1885.6	1882.5	1866.8	1841.7	1826.0	1813.5	1822.9	1826.0
5°	1960.9	1945.2	1907.6	1848.0	1785.2	1722.5	1662.9	1593.8	1546.8	1540.5	1528.0
7.5°	2023.7	1992.3	1910.7	1794.6	1634.6	1484.0	1308.3	1138.9	1054.2	1041.6	1013.4
10°	2124.1	2070.7	1935.8	1700.5	1393.0	1079.3	812.6	630.6	527.1	508.3	514.5
12.5°	2243.3	2168.0	1939.0	1540.5	1060.5	668.3	461.2	392.2	370.2	360.8	360.8
15°	2397.0	2287.2	1935.8	1333.4	715.3	429.8	370.2	342.0	332.6	326.3	326.3
17.5°	2591.6	2447.2	1913.9	1022.8	483.2	373.4	338.8	316.9	304.3	301.2	301.2
20°	2820.6	2626.1	1863.7	762.4	404.7	348.3	320.0	291.8	282.4	276.1	276.1
22.5°	3112.4	2842.6	1766.4	593.0	382.8	332.6	301.2	269.8	260.4	254.1	254.1
25°	3451.2	3118.7	1637.8	533.4	379.6	320.0	282.4	251.0	241.6	238.4	235.3
27.5°	3852.8	3413.6	1518.5	536.5	385.9	310.6	263.5	235.3	225.9	216.5	219.6
30°	4326.6	3717.9	1421.3	574.2	392.2	301.2	251.0	225.9	216.5	203.9	203.9
32.5°	4794.1	4075.6	1411.9	643.2	414.1	294.9	238.4	213.3	203.9	194.5	194.5
35°	5274.1	4401.9	1465.2	734.2	458.1	285.5	222.8	200.8	191.4	185.1	182.0
37.5°	5732.2	4662.3	1515.4	790.6	433.0	244.7	203.9	185.1	175.7	163.1	163.1
40°	6036.5	4803.5	1524.8	746.7	357.7	219.6	185.1	166.3	153.7	147.5	144.3
42.5°	6259.3	4894.5	1418.1	605.5	310.6	200.8	169.4	150.6	141.2	134.9	134.9
45°	6350.3	4863.1	1236.2	461.2	285.5	185.1	153.7	138.0	131.8	125.5	125.5
47.5°	6337.7	4718.8	1051.1	370.2	260.4	169.4	144.3	131.8	125.5	119.2	116.1
50°	6315.8	4583.9	862.8	329.4	232.2	160.0	134.9	125.5	116.1	109.8	106.7
52.5°	6460.1	4540.0	715.3	301.2	216.5	153.7	131.8	119.2	109.8	103.5	103.5
55°	6604.4	4558.8	561.6	282.4	200.8	150.6	128.6	116.1	106.7	97.3	97.3
57.5°	6595.0	4477.2	426.7	263.5	188.2	147.5	125.5	112.9	97.3	91.0	91.0
60°	*5995.8*	*3994.0*	*332.6*	*241.6*	*172.6*	*138.0*	*116.1*	*106.7*	*91.0*	*81.6*	*81.6*
62.5°	5070.2	3140.6	273.0	213.3	153.7	125.5	106.7	97.3	81.6	65.9	65.9
65°	3746.2	2265.3	219.6	185.1	141.2	109.8	97.3	84.7	65.9	53.3	50.2
67.5°	2535.1	1393.0	175.7	153.7	125.5	94.1	81.6	72.2	59.6	43.9	40.8
70°	1502.9	740.4	128.6	106.7	94.1	69.0	69.0	62.7	50.2	37.6	34.5
72.5°	715.3	257.3	94.1	78.4	72.2	50.2	53.3	53.3	40.8	28.2	25.1
75°	363.9	125.5	62.7	56.5	47.1	37.6	43.9	40.8	28.2	18.8	18.8
77.5°	207.1	87.8	43.9	37.6	31.4	25.1	28.2	25.1	15.7	9.4	9.4
80°	116.1	62.7	28.2	25.1	18.8	15.7	15.7	12.5	9.4	3.1	3.1
82.5°	43.9	37.6	18.8	12.5	9.4	9.4	6.3	6.3	3.1	0.0	0.0
85°	18.8	9.4	9.4	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	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°	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1
2.5°	1800.9	1807.2	1813.5	1838.6	1844.8	1863.7	1879.4	1898.2	1901.3	1926.4	1926.4
5°	1553.1	1549.9	1603.3	1681.7	1731.9	1800.9	1854.3	1910.7	1942.1	1982.9	2001.7
7.5°	1029.1	1107.5	1226.8	1364.8	1543.6	1709.9	1835.4	1945.2	2020.5	2067.6	2086.4
10°	511.4	555.3	680.8	906.7	1211.1	1549.9	1816.6	2020.5	2142.9	2196.2	2230.8
12.5°	360.8	370.2	392.2	514.5	806.3	1286.4	1757.0	2102.1	2271.5	2371.9	2415.9
15°	323.2	329.4	338.8	373.4	498.9	960.1	1650.3	2193.1	2472.3	2588.4	2644.9
17.5°	298.1	301.2	310.6	338.8	392.2	652.6	1477.8	2290.4	2713.9	2855.1	2961.8
20°	276.1	276.1	285.5	320.0	363.9	502.0	1229.9	2400.2	3021.4	3225.3	3332.0
22.5°	251.0	257.3	263.5	301.2	354.5	458.1	997.7	2484.9	3363.4	3611.3	3736.8
25°	232.2	238.4	244.7	282.4	345.1	458.1	862.8	2538.2	3746.2	4041.1	4213.7
27.5°	216.5	222.8	232.2	269.8	335.7	476.9	809.5	2553.9	4163.5	4546.2	4778.4
30°	203.9	210.2	219.6	260.4	342.0	498.9	828.3	2532.0	4587.0	5067.1	5343.2
32.5°	191.4	197.7	207.1	251.0	342.0	527.1	891.0	2488.0	4998.0	5587.9	5926.7
35°	182.0	185.1	188.2	225.9	310.6	524.0	969.5	2444.1	5412.2	6102.4	6497.8
37.5°	163.1	166.3	172.6	194.5	247.9	476.9	985.2	2390.8	5738.5	6535.4	6971.5
40°	144.3	150.6	156.9	178.8	207.1	385.9	916.1	2277.8	5911.0	6868.0	7398.2
42.5°	131.8	134.9	141.2	163.1	191.4	307.5	768.7	2080.2	6064.8	7093.9	7708.8
45°	122.4	125.5	131.8	147.5	178.8	266.7	605.5	1838.6	6077.3	7166.0	7859.4
47.5°	112.9	116.1	119.2	134.9	172.6	238.4	464.3	1618.9	6074.2	7260.2	7988.1
50°	106.7	109.8	116.1	128.6	163.1	213.3	382.8	1440.1	6206.0	7464.1	8248.5
52.5°	103.5	103.5	112.9	125.5	153.7	194.5	320.0	1280.1	6275.0	7664.9	8436.7
55°	97.3	100.4	106.7	119.2	144.3	185.1	273.0	1079.3	6306.4	7765.3	8471.2
57.5°	91.0	94.1	103.5	112.9	138.0	175.7	235.3	806.3	5857.7	7241.3	7893.9
60°	*81.6*	*87.8*	*100.4*	*109.8*	*128.6*	*160.0*	*207.1*	*545.9*	*4941.6*	*6293.8*	*6839.7*
62.5°	65.9	78.4	91.0	97.3	116.1	134.9	175.7	363.9	3947.0	5208.2	5829.5
65°	50.2	65.9	75.3	84.7	97.3	112.9	147.5	247.9	2632.4	3504.6	4204.2
67.5°	43.9	56.5	62.7	69.0	81.6	97.3	119.2	172.6	1597.0	2105.3	2795.5
70°	34.5	47.1	53.3	50.2	62.7	75.3	84.7	116.1	815.7	1142.0	1590.7
72.5°	25.1	37.6	40.8	40.8	37.6	53.3	62.7	81.6	354.5	555.3	721.6
75°	18.8	25.1	28.2	25.1	22.0	34.5	43.9	53.3	232.2	332.6	420.4
77.5°	9.4	9.4	15.7	15.7	9.4	18.8	22.0	31.4	131.8	194.5	241.6
80°	3.1	0.0	0.0	3.1	0.0	6.3	9.4	15.7	69.0	103.5	150.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	34.5	31.4	78.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	18.8
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: P1501811
CATALOG NUMBER: GSS-SB2C-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1920.1	*1920.1*	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1
2.5°	1942.1	*1942.1*	1954.7	1973.5	1982.9	1989.2	1992.3	1998.6	2023.7	2017.4
5°	2023.7	*2030.0*	2039.4	2058.2	2080.2	2073.9	2073.9	2073.9	2089.6	2077.0
7.5°	2130.4	*2149.2*	2152.3	2174.3	2158.6	2127.2	2108.4	2080.2	2077.0	2077.0
10°	2302.9	*2296.6*	2296.6	2268.4	2211.9	2120.9	2039.4	1982.9	1951.5	1954.7
12.5°	2488.0	*2462.9*	2466.1	2362.5	2202.5	2001.7	1835.4	1713.1	1703.7	1694.2
15°	2717.1	*2651.2*	2638.6	2400.2	2061.3	1753.9	1590.7	1493.4	1462.1	1452.7
17.5°	3043.4	*2877.1*	2817.5	2334.3	1876.2	1600.1	1477.8	1433.8	1430.7	1427.6
20°	3388.5	*3059.1*	2946.1	2237.0	1813.5	1603.3	1512.3	1499.7	1493.4	1496.6
22.5°	3790.1	*3175.1*	3030.8	2252.7	1869.9	1706.8	1634.6	1625.2	1618.9	1625.2
25°	4204.2	*3310.1*	3131.2	2378.2	2039.4	1898.2	1813.5	1794.6	1813.5	1841.7
27.5°	4621.5	*3492.0*	3328.9	2626.1	2312.3	2158.6	2077.0	2146.0	2174.3	2177.4
30°	4991.8	*3746.2*	3595.6	2974.3	2622.9	2469.2	2484.9	2572.7	2607.3	2641.8
32.5°	5330.6	*4085.0*	3968.9	3369.7	3024.5	2933.6	2924.1	2990.0	3027.7	3005.7
35°	5672.6	*4527.4*	4414.5	3799.5	3517.1	3441.8	3363.4	3492.0	3479.5	3445.0
37.5°	5995.8	*4972.9*	4869.4	4260.7	3968.9	3837.2	3824.6	3940.7	4044.2	4038.0
40°	6227.9	*5333.7*	5208.2	4718.8	4442.7	4329.7	4395.6	4596.4	4571.3	4536.8
42.5°	6441.3	*5641.2*	5528.3	5120.4	4831.7	4881.9	4941.6	5076.5	5060.8	5026.3
45°	6541.7	*5904.8*	5807.5	5424.7	5283.5	5443.6	5440.4	5490.6	5405.9	5393.4
47.5°	6682.9	*6093.0*	5992.6	5697.7	5823.2	5889.1	5704.0	5650.6	5572.2	5509.4
50°	6943.3	*6384.8*	6284.4	6111.8	6218.5	6014.6	5788.7	5672.6	5512.6	5402.8
52.5°	7247.6	*6827.2*	6739.3	6670.3	6372.3	5951.8	5663.2	5453.0	5258.4	5164.3
55°	7630.4	*7479.8*	7417.0	7037.4	6234.2	5694.6	5355.7	4963.5	4696.8	4609.0
57.5°	7755.9	*8436.7*	8414.8	7097.0	5848.3	5227.1	4615.3	4085.0	3808.9	3752.4
60°	*7385.7*	*9186.6*	*9108.2*	*6996.6*	*5148.6*	*4241.9*	*3526.5*	*2983.8*	*2535.1*	*2469.2*
62.5°	6911.9	*8612.4*	8584.2	6491.5	3921.9	3040.2	2635.5	2127.2	1935.8	1885.6
65°	5920.5	*7046.8*	7059.4	5208.2	2481.8	2183.7	2164.9	1691.1	1455.8	1418.1
67.5°	4558.8	*5405.9*	5318.1	3275.5	1446.4	1747.6	1728.8	1236.2	894.2	869.1
70°	2663.7	*4025.4*	3884.2	1703.7	956.9	1458.9	1330.3	869.1	608.7	580.4
72.5°	1176.6	*2215.1*	2378.2	749.9	674.6	1160.9	960.1	533.4	342.0	335.7
75°	652.6	*1098.1*	1148.3	326.3	473.8	825.2	580.4	298.1	194.5	191.4
77.5°	392.2	*486.3*	473.8	210.2	354.5	527.1	351.4	169.4	122.4	116.1
80°	219.6	*222.8*	188.2	153.7	210.2	294.9	197.7	106.7	56.5	56.5
82.5°	134.9	*122.4*	97.3	47.1	56.5	178.8	72.2	59.6	18.8	18.8
85°	56.5	*37.6*	25.1	9.4	22.0	47.1	25.1	28.2	9.4	9.4
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

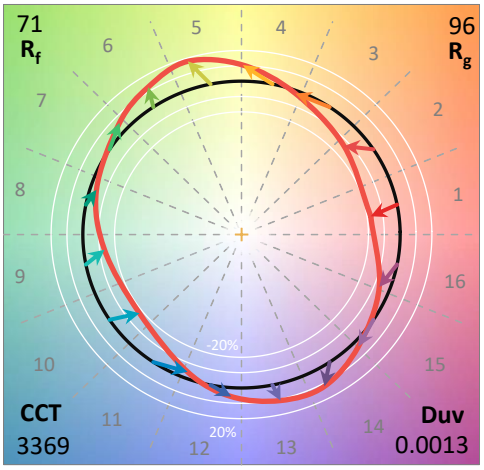
Test Information

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

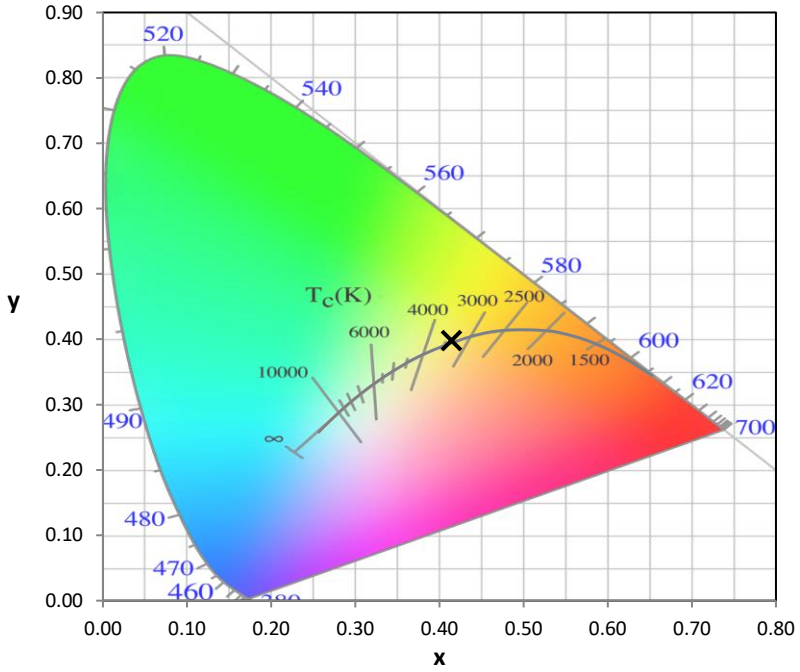
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

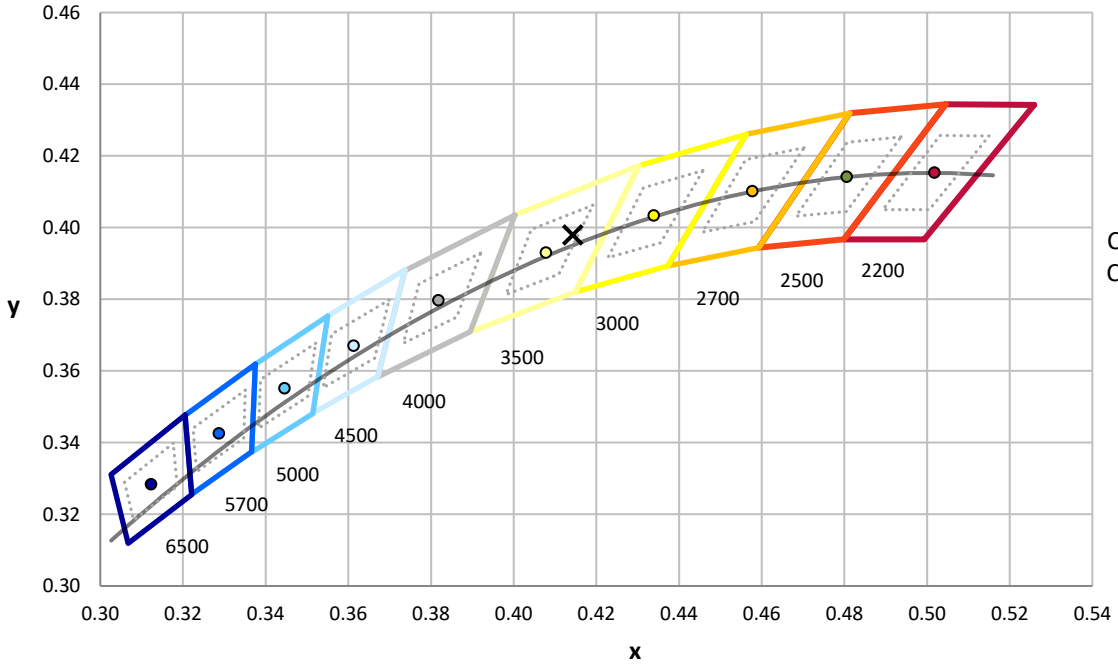
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

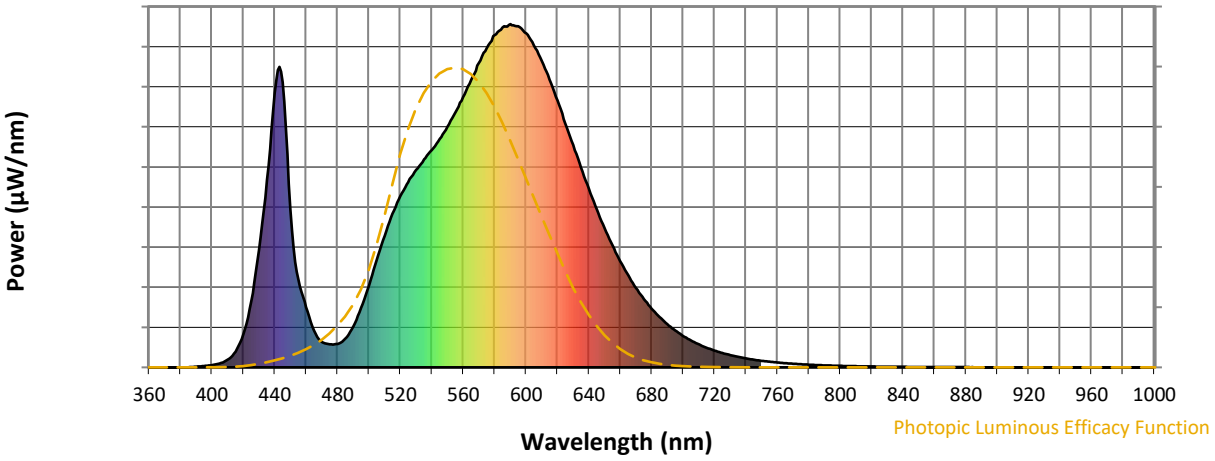


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

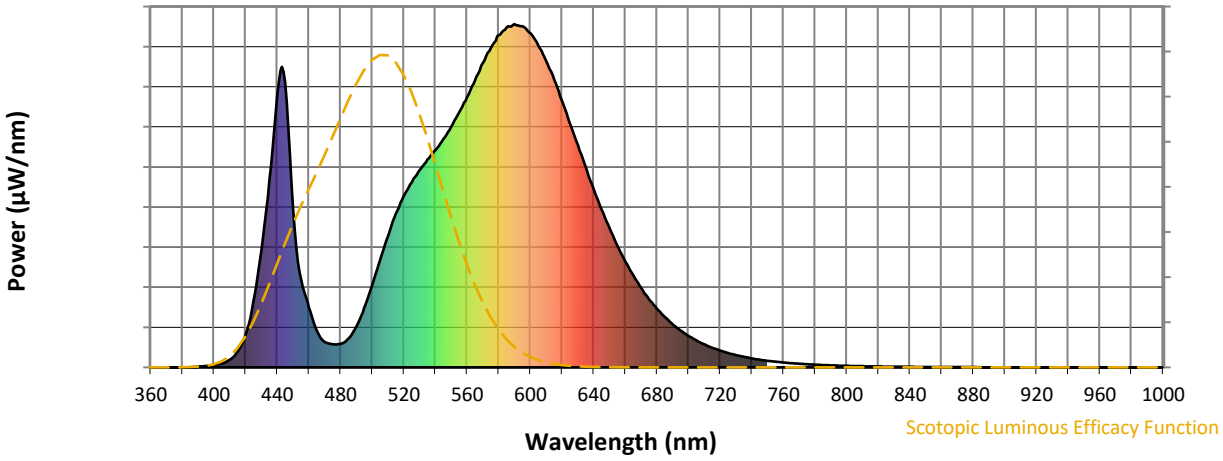


Photopic Lumens: NR

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

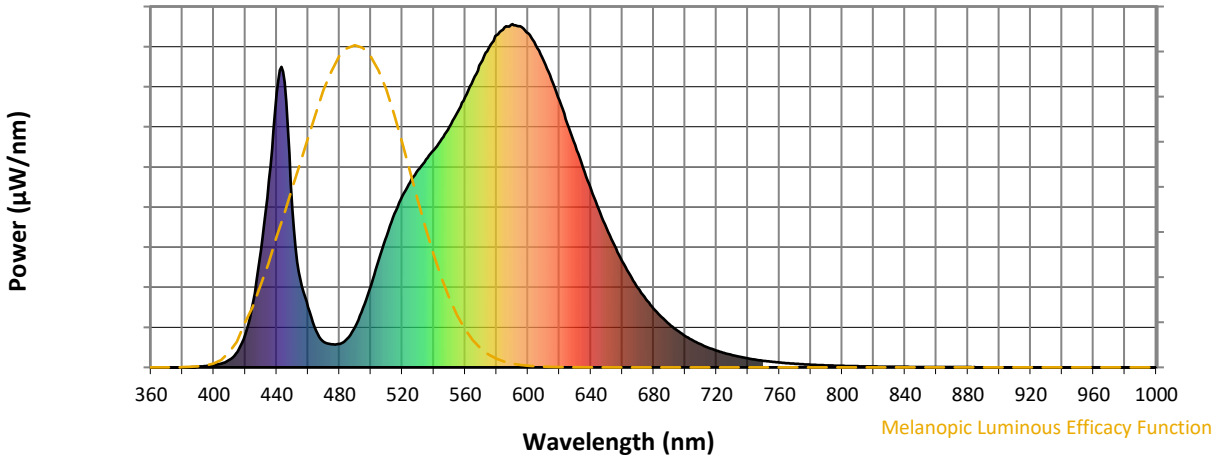


Scotopic Lumens: NR **S/P: 1.29**

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			

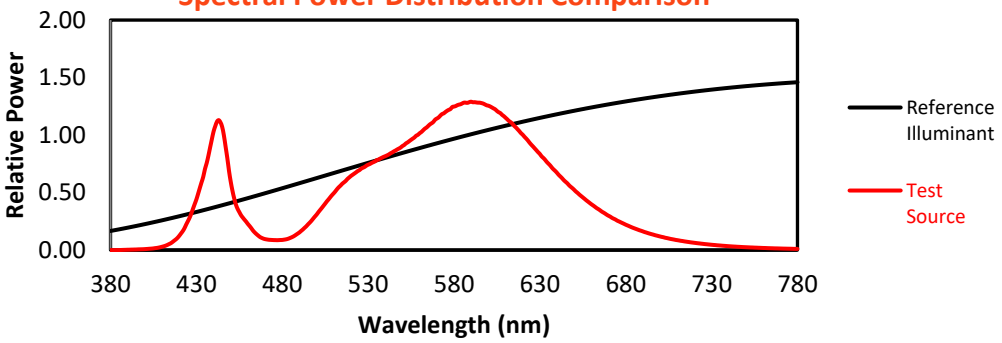
REPORT NUMBER: SP1-2407-184-5

TM-30-18

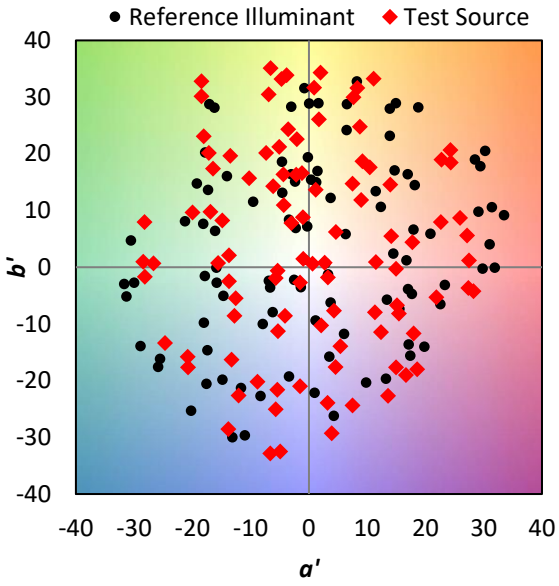
Summary

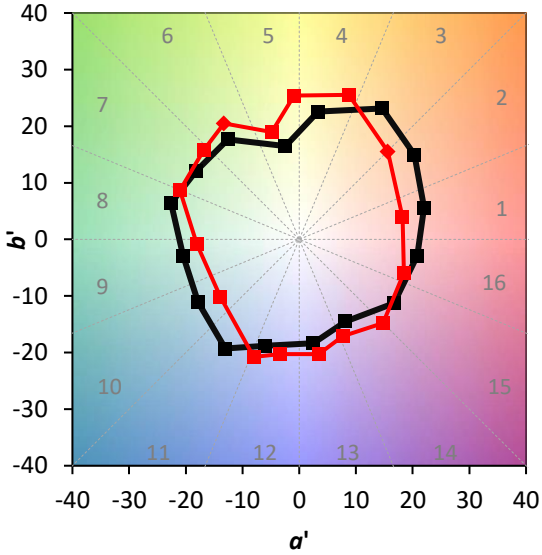
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

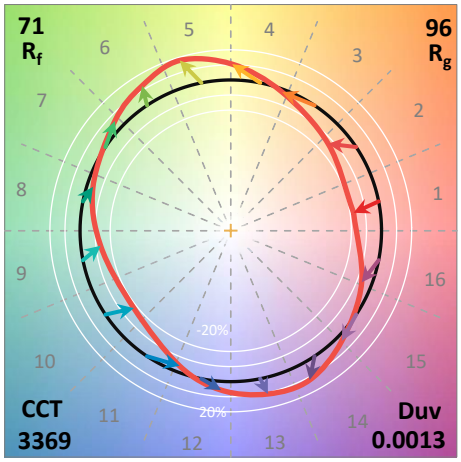
Spectral Power Distribution Comparison

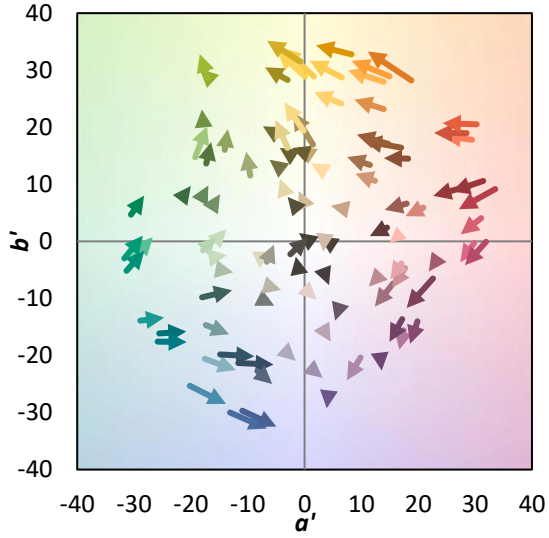


Color Vector Graphics







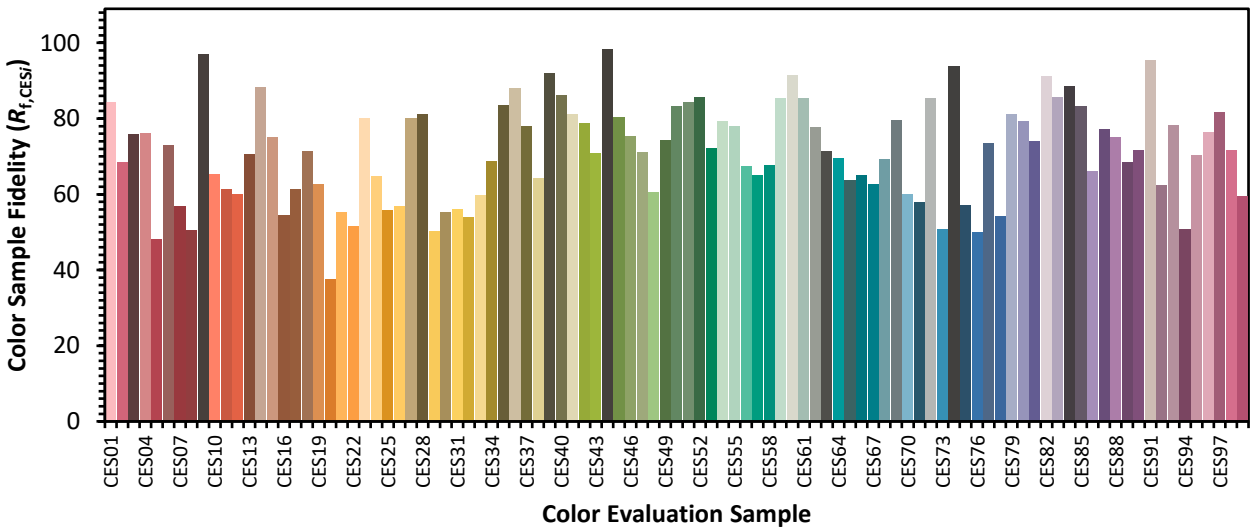


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

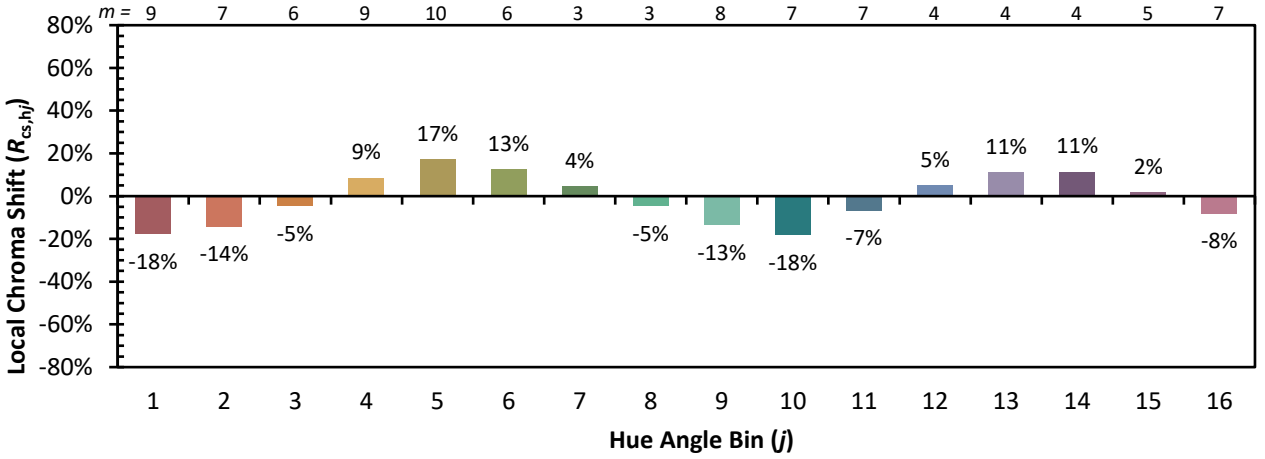
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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

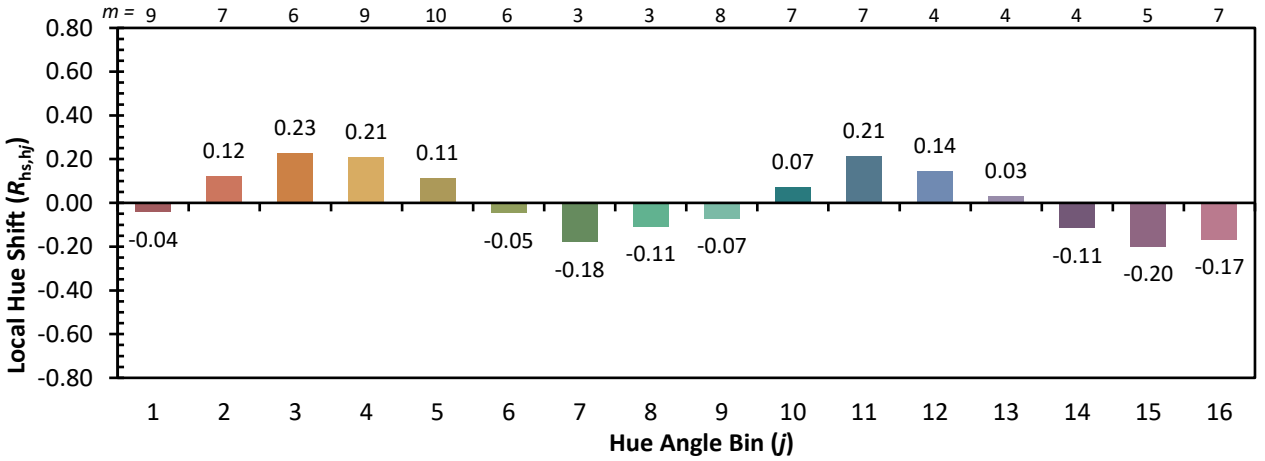


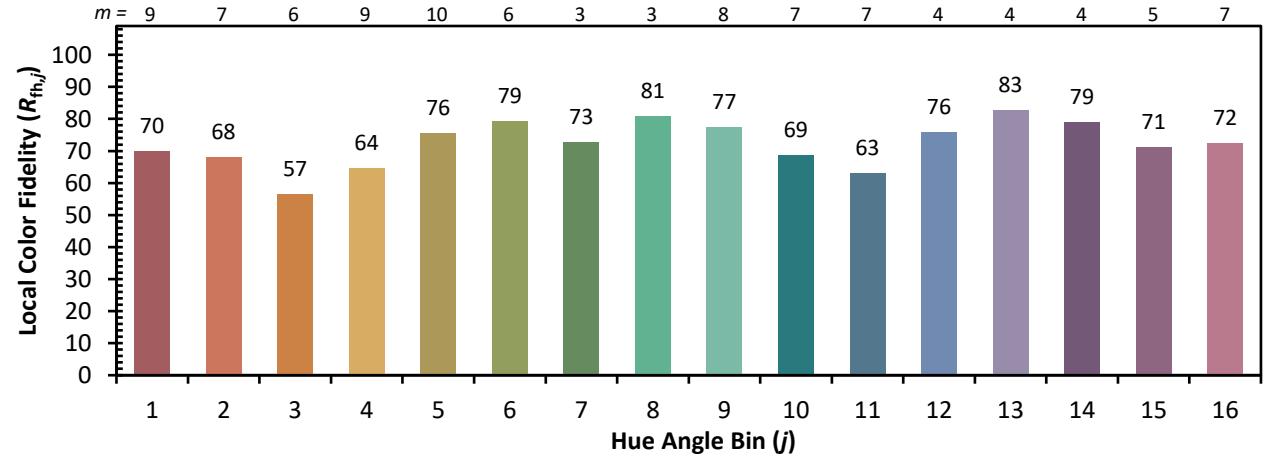
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Color Rendition by Hue-Angle Bin



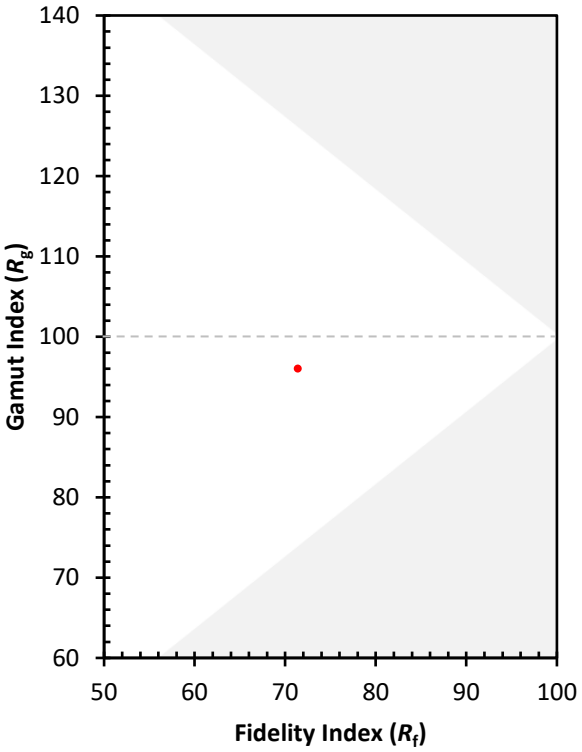


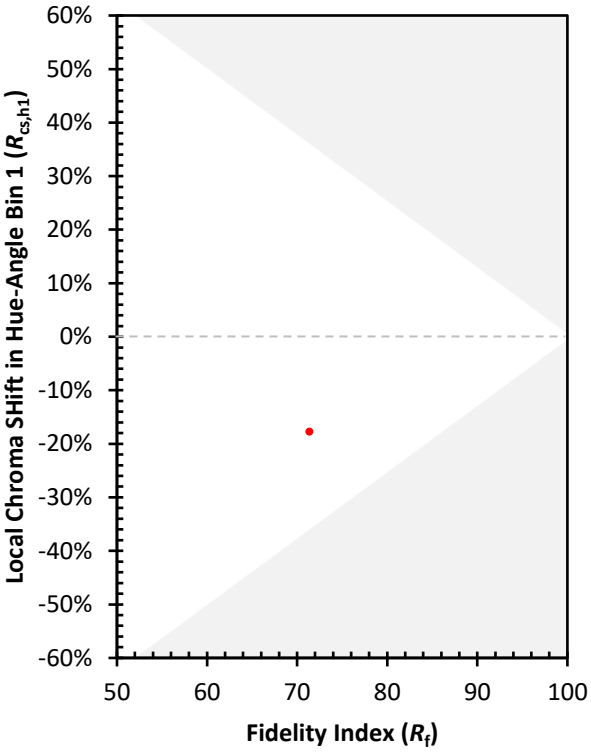


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Measure Comparisons





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