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: P1501837

Luminaire Tested: GSS-SB3A-750-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:	P1501837
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-750-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10749.6 lumens
Efficiency:	N/A
Efficacy:	126.5 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

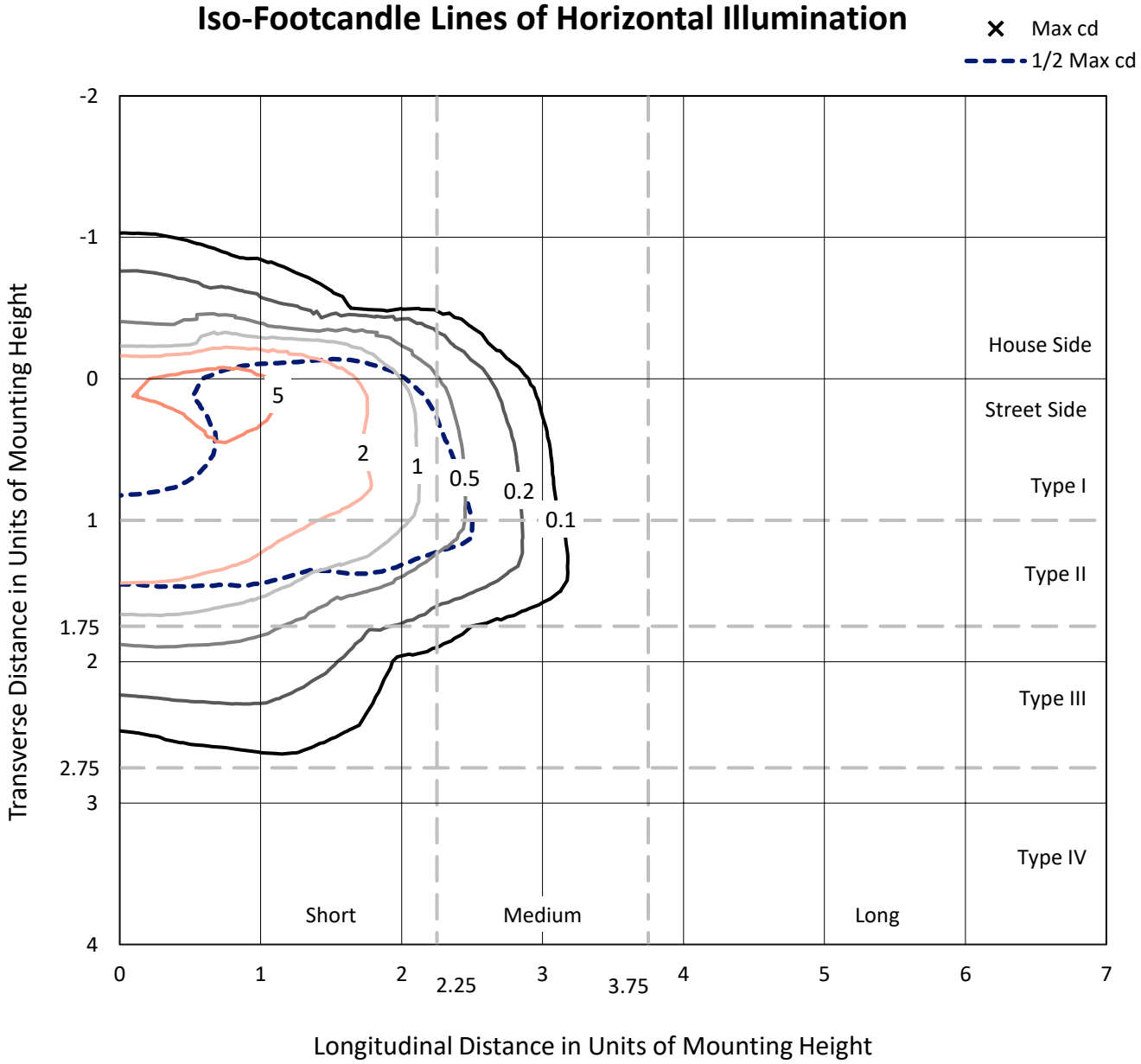
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



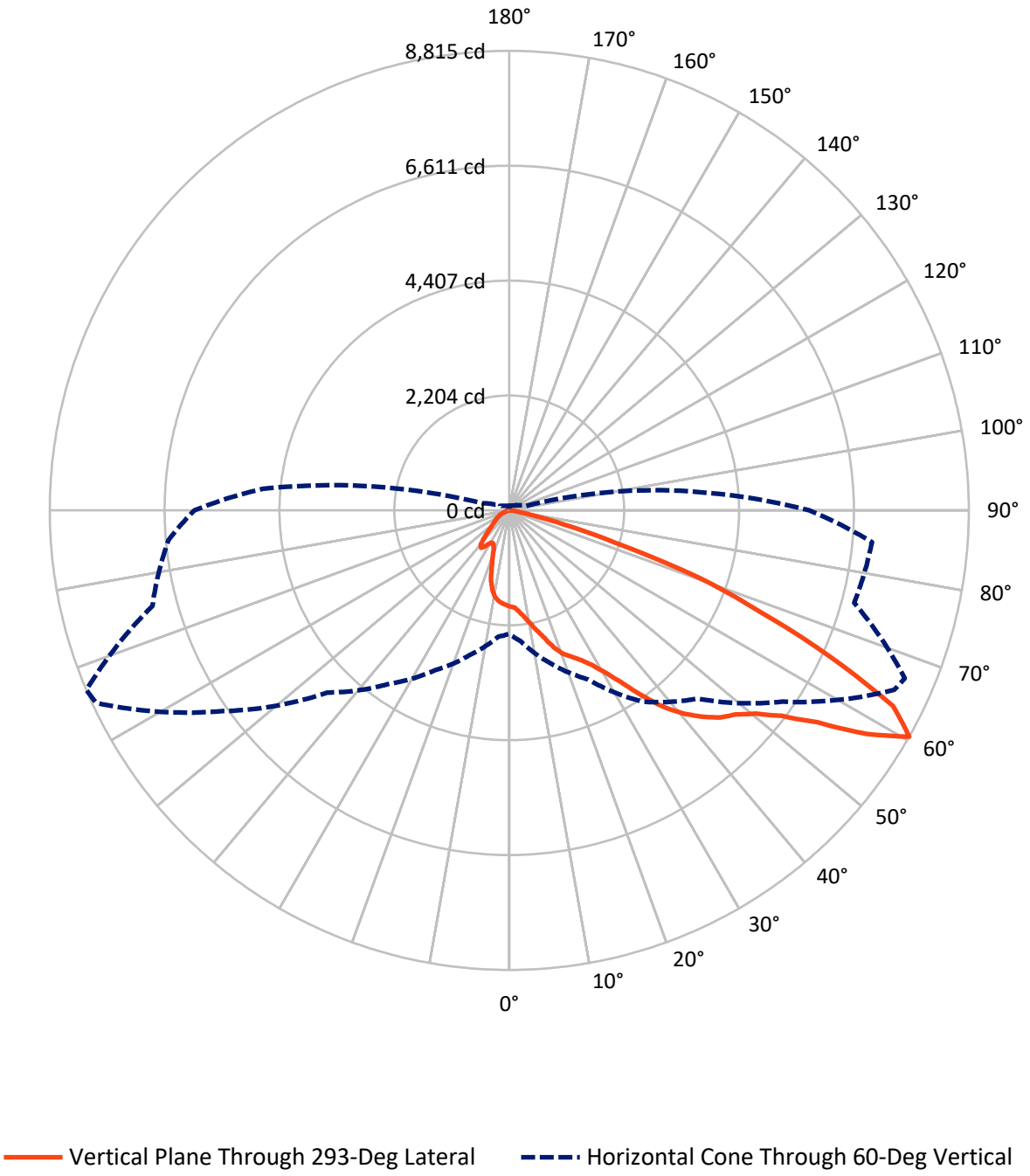
Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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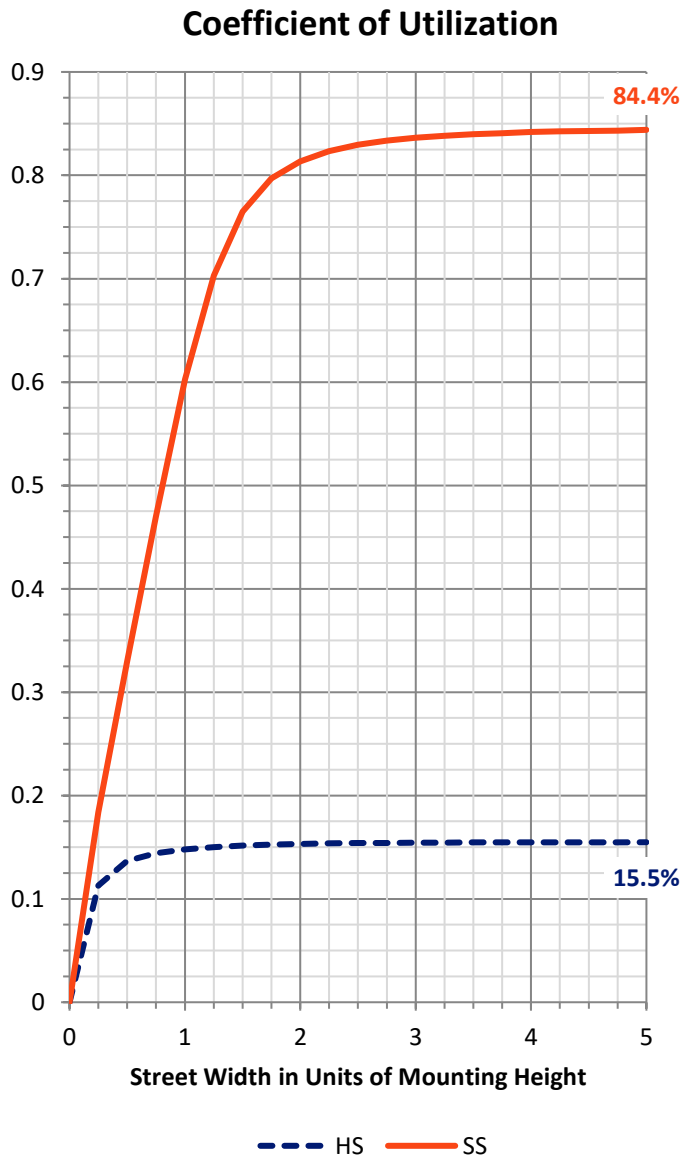
REPORT NUMBER: P1501837
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1677.2	0.0	1677.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	9072.4	0.0	9072.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	10749.6	0.0	10749.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	1.6
10°-20°	420.2	3.9
20°-30°	784.3	7.3
30°-40°	1555.4	14.5
40°-50°	2479.9	23.1
50°-60°	2962.9	27.6
60°-70°	1942.3	18.1
70°-80°	406.9	3.8
80°-90°	30.8	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°	10749.6	100.0
0°-180°	10749.6	100.0



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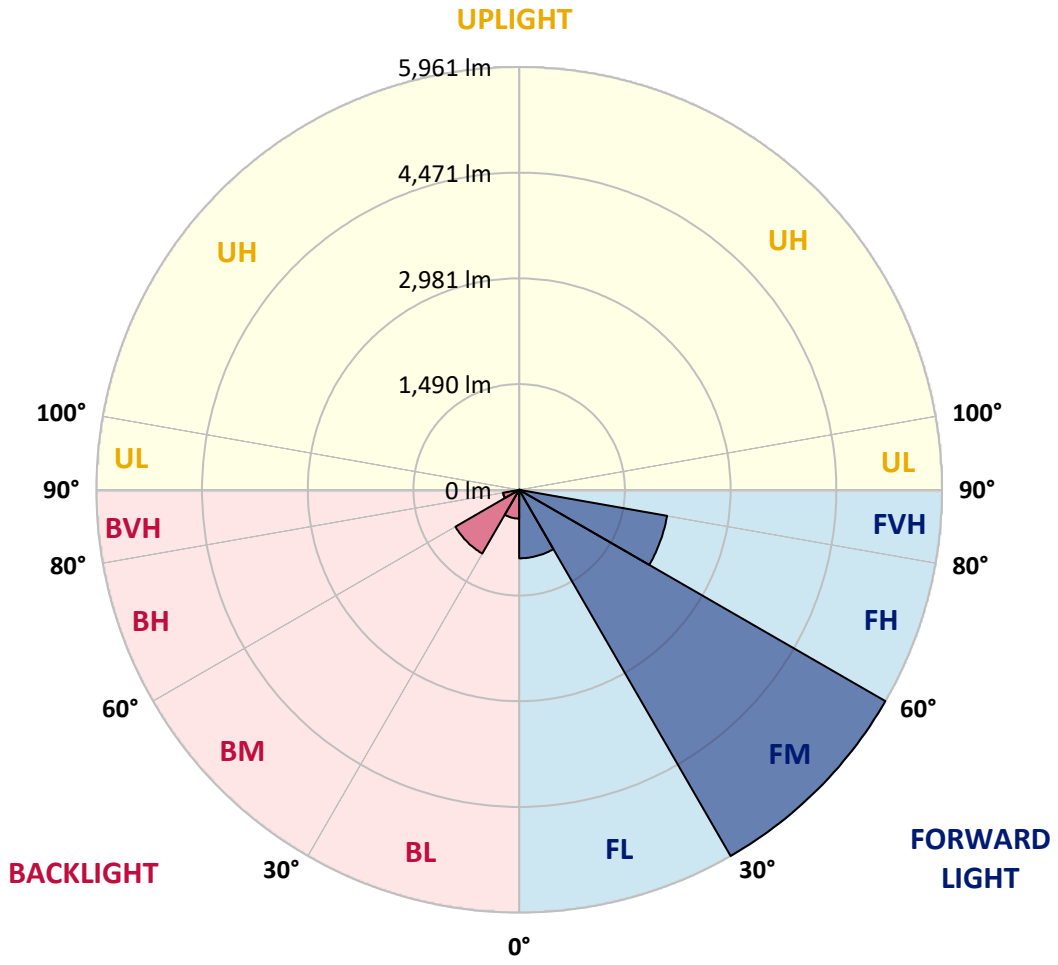
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	965.5	9.0			
FM	(30°-60°)	5961.0	55.5			
FH	(60°-80°)	2117.6	19.7			G2/5000
FVH	(80°-90°)	28.2	0.3			G1/100
BL	(0°-30°)	405.8	3.8	B1/500		
BM	(30°-60°)	1037.2	9.6	B2/2500		
BH	(60°-80°)	231.7	2.2	B1/500		G1/500
BVH	(80°-90°)	2.6	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°	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4
2.5°	1935.7	1929.7	1920.6	1923.6	1920.6	1908.6	1890.5	1875.5	1887.5	1869.5	1857.4
5°	1992.9	1992.9	1986.9	1986.9	1989.9	1983.9	1971.8	1950.7	1953.8	1938.7	1899.6
7.5°	1992.9	1983.9	1998.9	2014.0	2041.1	2056.1	2062.1	2050.1	2056.1	2026.0	1974.8
10°	1875.5	1869.5	1908.6	1965.8	2044.1	2113.3	2158.5	2161.5	2170.5	2140.4	2080.2
12.5°	1625.6	1613.6	1691.8	1800.2	1959.8	2119.3	2245.8	2293.9	2315.0	2303.0	2218.7
15°	1393.8	1408.9	1463.1	1580.5	1794.2	2038.0	2293.9	2453.5	2483.6	2498.6	2399.3
17.5°	1369.7	1372.7	1390.8	1448.0	1610.6	1905.6	2299.9	2619.1	2661.2	2727.4	2592.0
20°	1436.0	1429.9	1448.0	1466.1	1544.3	1788.2	2242.8	2778.6	2859.9	3001.4	2853.9
22.5°	1559.4	1559.4	1568.4	1580.5	1619.6	1779.1	2218.7	2926.1	3064.6	3353.6	3182.0
25°	1767.1	1743.0	1749.0	1734.0	1767.1	1887.5	2272.9	3043.5	3233.2	3744.9	3573.4
27.5°	2089.2	2098.3	2044.1	1962.8	1980.8	2083.2	2405.3	3176.0	3407.8	4151.3	3970.7
30°	2534.8	2519.7	2486.6	2327.0	2254.8	2345.1	2649.2	3392.7	3642.6	4666.1	4500.6
32.5°	2884.0	2926.1	2868.9	2757.5	2646.1	2673.2	2992.3	3741.9	3928.6	5138.8	5048.4
35°	3305.4	3305.4	3317.5	3160.9	3085.7	3079.6	3422.8	4121.2	4307.9	5566.2	5629.5
37.5°	3874.4	3835.3	3769.0	3594.4	3537.2	3612.5	3826.2	4512.6	4714.3	5912.4	6081.0
40°	4353.0	4380.1	4371.1	4118.2	4006.8	4088.1	4277.8	4846.8	5003.3	6135.2	6445.3
42.5°	4822.7	4837.7	4798.6	4678.2	4515.6	4521.6	4678.2	5099.6	5259.2	6348.9	6788.5
45°	5174.9	5171.9	5144.8	5114.7	5018.3	4919.0	4946.1	5379.6	5518.1	6418.2	6975.1
47.5°	5286.3	5310.4	5334.4	5418.7	5485.0	5328.4	5189.9	5530.1	5656.6	6406.1	7044.3
50°	5183.9	5235.1	5352.5	5478.9	5704.7	5692.7	5394.6	5692.7	5816.1	6472.4	7125.6
52.5°	4955.1	5006.3	5162.8	5391.6	5731.8	5900.4	5774.0	5966.6	6111.1	6641.0	7294.2
55°	4422.3	4443.4	4765.5	5066.5	5596.3	5810.1	6180.4	6430.2	6550.6	6845.7	7517.0
57.5°	3600.4	3651.6	3967.7	4458.4	5217.0	5572.3	6412.2	7222.0	7219.0	7041.3	7565.1
60°	*2369.2*	*2519.7*	*3034.5*	*3576.4*	*4482.5*	*5105.6*	*6397.1*	*8149.2*	*8242.5*	*6848.7*	*6984.1*
62.5°	1809.3	1872.5	2164.5	2616.0	3317.5	4232.6	6297.8	8426.1	8498.4	6330.9	6114.1
65°	1360.7	1439.0	1718.9	2122.3	2342.1	2868.9	5647.5	7324.3	7423.7	5650.5	4753.4
67.5°	833.9	897.1	1270.4	1743.0	1773.1	1782.2	3811.2	5548.2	5584.3	4557.8	3200.1
70°	556.9	620.1	879.0	1339.6	1411.9	1026.5	2092.2	4199.5	4196.5	3118.8	1944.7
72.5°	322.1	352.2	556.9	987.4	1110.8	653.3	1044.6	2670.2	2552.8	1466.1	909.1
75°	183.6	204.7	307.1	635.2	779.7	415.4	412.4	1429.9	1264.4	755.6	496.7
77.5°	111.4	120.4	168.6	415.4	469.6	280.0	228.8	665.3	641.2	442.5	261.9
80°	54.2	63.2	102.4	243.8	301.0	150.5	138.5	261.9	280.0	243.8	138.5
82.5°	18.1	24.1	57.2	93.3	195.7	60.2	57.2	144.5	153.5	144.5	66.2
85°	9.0	12.0	27.1	30.1	75.3	30.1	21.1	63.2	78.3	48.2	27.1
87.5°	0.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0	6.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4
2.5°	1848.4	1842.4	1830.3	1809.3	1806.2	1791.2	1767.1	1752.1	1740.0	1749.0	1752.1
5°	1881.5	1866.5	1830.3	1773.1	1712.9	1652.7	1595.5	1529.3	1484.1	1478.1	1466.1
7.5°	1941.7	1911.6	1833.3	1722.0	1568.4	1423.9	1255.3	1092.8	1011.5	999.5	972.4
10°	2038.0	1986.9	1857.4	1631.6	1336.6	1035.6	779.7	605.1	505.7	487.7	493.7
12.5°	2152.4	2080.2	1860.4	1478.1	1017.5	641.2	442.5	376.3	355.2	346.2	346.2
15°	2299.9	2194.6	1857.4	1279.4	686.4	412.4	355.2	328.1	319.1	313.1	313.1
17.5°	2486.6	2348.1	1836.3	981.4	463.6	358.2	325.1	304.1	292.0	289.0	289.0
20°	2706.4	2519.7	1788.2	731.5	388.3	334.2	307.1	280.0	270.9	264.9	264.9
22.5°	2986.3	2727.4	1694.9	569.0	367.3	319.1	289.0	258.9	249.9	243.8	243.8
25°	3311.4	2992.3	1571.4	511.8	364.3	307.1	270.9	240.8	231.8	228.8	225.8
27.5°	3696.8	3275.3	1457.0	514.8	370.3	298.0	252.9	225.8	216.7	207.7	210.7
30°	4151.3	3567.3	1363.7	550.9	376.3	289.0	240.8	216.7	207.7	195.7	195.7
32.5°	4599.9	3910.5	1354.7	617.1	397.4	283.0	228.8	204.7	195.7	186.6	186.6
35°	5060.5	4223.6	1405.9	704.4	439.5	273.9	213.7	192.7	183.6	177.6	174.6
37.5°	5500.0	4473.5	1454.0	758.6	415.4	234.8	195.7	177.6	168.6	156.5	156.5
40°	5792.0	4608.9	1463.1	716.5	343.2	210.7	177.6	159.6	147.5	141.5	138.5
42.5°	6005.8	4696.2	1360.7	581.0	298.0	192.7	162.6	144.5	135.5	129.4	129.4
45°	6093.1	4666.1	1186.1	442.5	273.9	177.6	147.5	132.5	126.4	120.4	120.4
47.5°	6081.0	4527.6	1008.5	355.2	249.9	162.6	138.5	126.4	120.4	114.4	111.4
50°	6059.9	4398.2	827.9	316.1	222.8	153.5	129.4	120.4	111.4	105.4	102.4
52.5°	6198.4	4356.1	686.4	289.0	207.7	147.5	126.4	114.4	105.4	99.3	99.3
55°	6336.9	4374.1	538.9	270.9	192.7	144.5	123.4	111.4	102.4	93.3	93.3
57.5°	6327.9	4295.8	409.4	252.9	180.6	141.5	120.4	108.4	93.3	87.3	87.3
60°	*5752.9*	*3832.2*	*319.1*	*231.8*	*165.6*	*132.5*	*111.4*	*102.4*	*87.3*	*78.3*	*78.3*
62.5°	4864.8	3013.4	261.9	204.7	147.5	120.4	102.4	93.3	78.3	63.2	63.2
65°	3594.4	2173.5	210.7	177.6	135.5	105.4	93.3	81.3	63.2	51.2	48.2
67.5°	2432.4	1336.6	168.6	147.5	120.4	90.3	78.3	69.2	57.2	42.1	39.1
70°	1442.0	710.5	123.4	102.4	90.3	66.2	66.2	60.2	48.2	36.1	33.1
72.5°	686.4	246.9	90.3	75.3	69.2	48.2	51.2	51.2	39.1	27.1	24.1
75°	349.2	120.4	60.2	54.2	45.2	36.1	42.1	39.1	27.1	18.1	18.1
77.5°	198.7	84.3	42.1	36.1	30.1	24.1	27.1	24.1	15.1	9.0	9.0
80°	111.4	60.2	27.1	24.1	18.1	15.1	15.1	12.0	9.0	3.0	3.0
82.5°	42.1	36.1	18.1	12.0	9.0	9.0	6.0	6.0	3.0	0.0	0.0
85°	18.1	9.0	9.0	6.0	6.0	3.0	3.0	3.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4
2.5°	1728.0	1734.0	1740.0	1764.1	1770.1	1788.2	1803.2	1821.3	1824.3	1848.4	1848.4
5°	1490.2	1487.1	1538.3	1613.6	1661.7	1728.0	1779.1	1833.3	1863.4	1902.6	1920.6
7.5°	987.4	1062.7	1177.1	1309.5	1481.1	1640.7	1761.1	1866.5	1938.7	1983.9	2001.9
10°	490.7	532.8	653.3	870.0	1162.0	1487.1	1743.0	1938.7	2056.1	2107.3	2140.4
12.5°	346.2	355.2	376.3	493.7	773.7	1234.3	1685.8	2017.0	2179.5	2275.9	2318.0
15°	310.1	316.1	325.1	358.2	478.7	921.2	1583.5	2104.3	2372.2	2483.6	2537.8
17.5°	286.0	289.0	298.0	325.1	376.3	626.2	1417.9	2197.6	2604.0	2739.5	2841.8
20°	264.9	264.9	273.9	307.1	349.2	481.7	1180.1	2303.0	2899.0	3094.7	3197.1
22.5°	240.8	246.9	252.9	289.0	340.2	439.5	957.3	2384.2	3227.2	3465.0	3585.4
25°	222.8	228.8	234.8	270.9	331.1	439.5	827.9	2435.4	3594.4	3877.4	4043.0
27.5°	207.7	213.7	222.8	258.9	322.1	457.6	776.7	2450.5	3994.8	4362.1	4584.8
30°	195.7	201.7	210.7	249.9	328.1	478.7	794.7	2429.4	4401.2	4861.8	5126.7
32.5°	183.6	189.7	198.7	240.8	328.1	505.7	855.0	2387.3	4795.6	5361.5	5686.7
35°	174.6	177.6	180.6	216.7	298.0	502.7	930.2	2345.1	5192.9	5855.2	6234.5
37.5°	156.5	159.6	165.6	186.6	237.8	457.6	945.3	2293.9	5506.0	6270.7	6689.1
40°	138.5	144.5	150.5	171.6	198.7	370.3	879.0	2185.6	5671.6	6589.8	7098.5
42.5°	126.4	129.4	135.5	156.5	183.6	295.0	737.5	1995.9	5819.1	6806.5	7396.6
45°	117.4	120.4	126.4	141.5	171.6	255.9	581.0	1764.1	5831.2	6875.8	7541.1
47.5°	108.4	111.4	114.4	129.4	165.6	228.8	445.5	1553.4	5828.1	6966.1	7664.5
50°	102.4	105.4	111.4	123.4	156.5	204.7	367.3	1381.8	5954.6	7161.8	7914.4
52.5°	99.3	99.3	108.4	120.4	147.5	186.6	307.1	1228.2	6020.8	7354.4	8095.0
55°	93.3	96.3	102.4	114.4	138.5	177.6	261.9	1035.6	6050.9	7450.8	8128.1
57.5°	87.3	90.3	99.3	108.4	132.5	168.6	225.8	773.7	5620.4	6948.0	7574.2
60°	*78.3*	*84.3*	*96.3*	*105.4*	*123.4*	*153.5*	*198.7*	*523.8*	*4741.4*	*6038.9*	*6562.7*
62.5°	63.2	75.3	87.3	93.3	111.4	129.4	168.6	349.2	3787.1	4997.3	5593.3
65°	48.2	63.2	72.2	81.3	93.3	108.4	141.5	237.8	2525.7	3362.6	4033.9
67.5°	42.1	54.2	60.2	66.2	78.3	93.3	114.4	165.6	1532.3	2020.0	2682.3
70°	33.1	45.2	51.2	48.2	60.2	72.2	81.3	111.4	782.7	1095.8	1526.3
72.5°	24.1	36.1	39.1	39.1	36.1	51.2	60.2	78.3	340.2	532.8	692.4
75°	18.1	24.1	27.1	24.1	21.1	33.1	42.1	51.2	222.8	319.1	403.4
77.5°	9.0	9.0	15.1	15.1	9.0	18.1	21.1	30.1	126.4	186.6	231.8
80°	3.0	0.0	0.0	3.0	0.0	6.0	9.0	15.1	66.2	99.3	144.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	33.1	30.1	75.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	18.1
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: P1501837
CATALOG NUMBER: GSS-SB3A-750-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1842.4	*1842.4*	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4
2.5°	1863.4	*1863.4*	1875.5	1893.5	1902.6	1908.6	1911.6	1917.6	1941.7	1935.7
5°	1941.7	*1947.7*	1956.8	1974.8	1995.9	1989.9	1989.9	1989.9	2004.9	1992.9
7.5°	2044.1	*2062.1*	2065.1	2086.2	2071.2	2041.1	2023.0	1995.9	1992.9	1992.9
10°	2209.6	*2203.6*	2203.6	2176.5	2122.3	2035.0	1956.8	1902.6	1872.5	1875.5
12.5°	2387.3	*2363.2*	2366.2	2266.8	2113.3	1920.6	1761.1	1643.7	1634.6	1625.6
15°	2607.0	*2543.8*	2531.8	2303.0	1977.8	1682.8	1526.3	1433.0	1402.8	1393.8
17.5°	2920.1	*2760.5*	2703.3	2239.7	1800.2	1535.3	1417.9	1375.8	1372.7	1369.7
20°	3251.2	*2935.1*	2826.8	2146.4	1740.0	1538.3	1451.0	1439.0	1433.0	1436.0
22.5°	3636.6	*3046.5*	2908.1	2161.5	1794.2	1637.7	1568.4	1559.4	1553.4	1559.4
25°	4033.9	*3176.0*	3004.4	2281.9	1956.8	1821.3	1740.0	1722.0	1740.0	1767.1
27.5°	4434.3	*3350.6*	3194.0	2519.7	2218.7	2071.2	1992.9	2059.1	2086.2	2089.2
30°	4789.6	*3594.4*	3449.9	2853.9	2516.7	2369.2	2384.2	2468.5	2501.6	2534.8
32.5°	5114.7	*3919.5*	3808.2	3233.2	2902.0	2814.7	2805.7	2868.9	2905.0	2884.0
35°	5442.8	*4344.0*	4235.6	3645.6	3374.7	3302.4	3227.2	3350.6	3338.5	3305.4
37.5°	5752.9	*4771.5*	4672.1	4088.1	3808.2	3681.7	3669.7	3781.1	3880.4	3874.4
40°	5975.7	*5117.7*	4997.3	4527.6	4262.7	4154.4	4217.6	4410.2	4386.2	4353.0
42.5°	6180.4	*5412.7*	5304.3	4913.0	4636.0	4684.2	4741.4	4870.8	4855.8	4822.7
45°	6276.7	*5665.6*	5572.3	5205.0	5069.5	5223.1	5220.0	5268.2	5186.9	5174.9
47.5°	6412.2	*5846.2*	5749.9	5466.9	5587.3	5650.5	5472.9	5421.7	5346.5	5286.3
50°	6662.0	*6126.2*	6029.8	5864.3	5966.6	5770.9	5554.2	5442.8	5289.3	5183.9
52.5°	6954.0	*6550.6*	6466.3	6400.1	6114.1	5710.7	5433.8	5232.1	5045.4	4955.1
55°	7321.3	*7176.8*	7116.6	6752.3	5981.7	5463.9	5138.8	4762.5	4506.6	4422.3
57.5°	7441.7	*8095.0*	8073.9	6809.5	5611.4	5015.3	4428.3	3919.5	3654.6	3600.4
60°	*7086.5*	*8814.5*	*8739.2*	*6713.2*	*4940.1*	*4070.1*	*3383.7*	*2862.9*	*2432.4*	*2369.2*
62.5°	6631.9	*8263.6*	8236.5	6228.5	3763.0	2917.1	2528.7	2041.1	1857.4	1809.3
65°	5680.6	*6761.4*	6773.4	4997.3	2381.2	2095.2	2077.2	1622.6	1396.8	1360.7
67.5°	4374.1	*5186.9*	5102.6	3142.9	1387.8	1676.8	1658.7	1186.1	858.0	833.9
70°	2555.8	*3862.3*	3726.9	1634.6	918.2	1399.8	1276.4	833.9	584.0	556.9
72.5°	1128.9	*2125.3*	2281.9	719.5	647.2	1113.8	921.2	511.8	328.1	322.1
75°	626.2	*1053.6*	1101.8	313.1	454.6	791.7	556.9	286.0	186.6	183.6
77.5°	376.3	*466.6*	454.6	201.7	340.2	505.7	337.2	162.6	117.4	111.4
80°	210.7	*213.7*	180.6	147.5	201.7	283.0	189.7	102.4	54.2	54.2
82.5°	129.4	*117.4*	93.3	45.2	54.2	171.6	69.2	57.2	18.1	18.1
85°	54.2	*36.1*	24.1	9.0	21.1	45.2	24.1	27.1	9.0	9.0
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

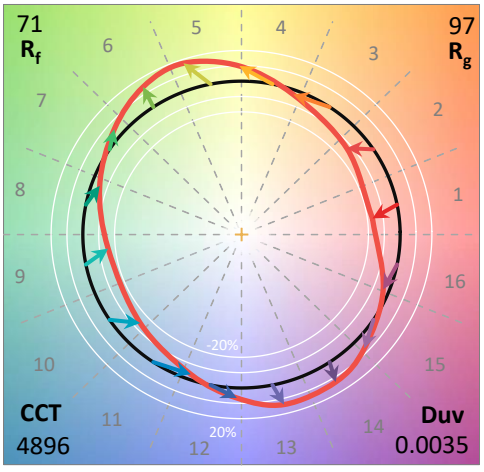
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

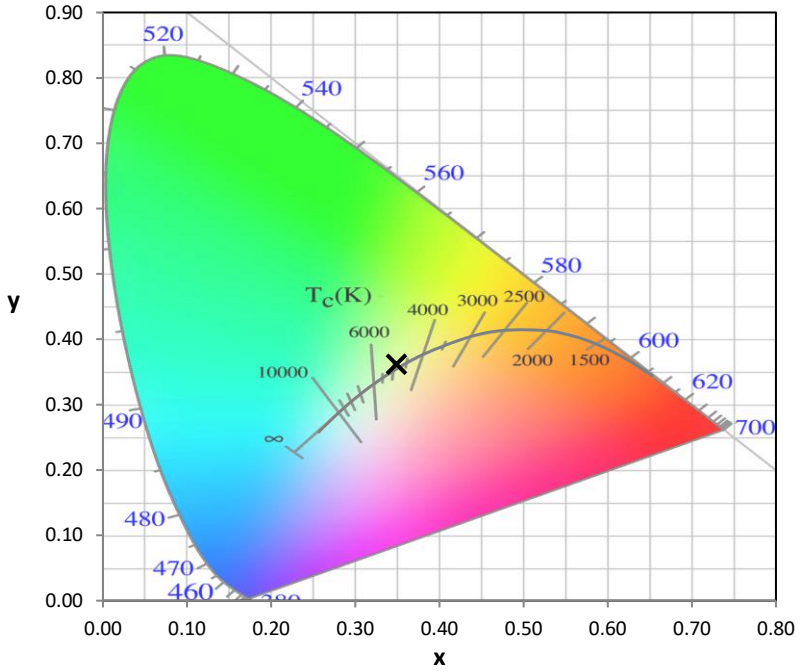
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

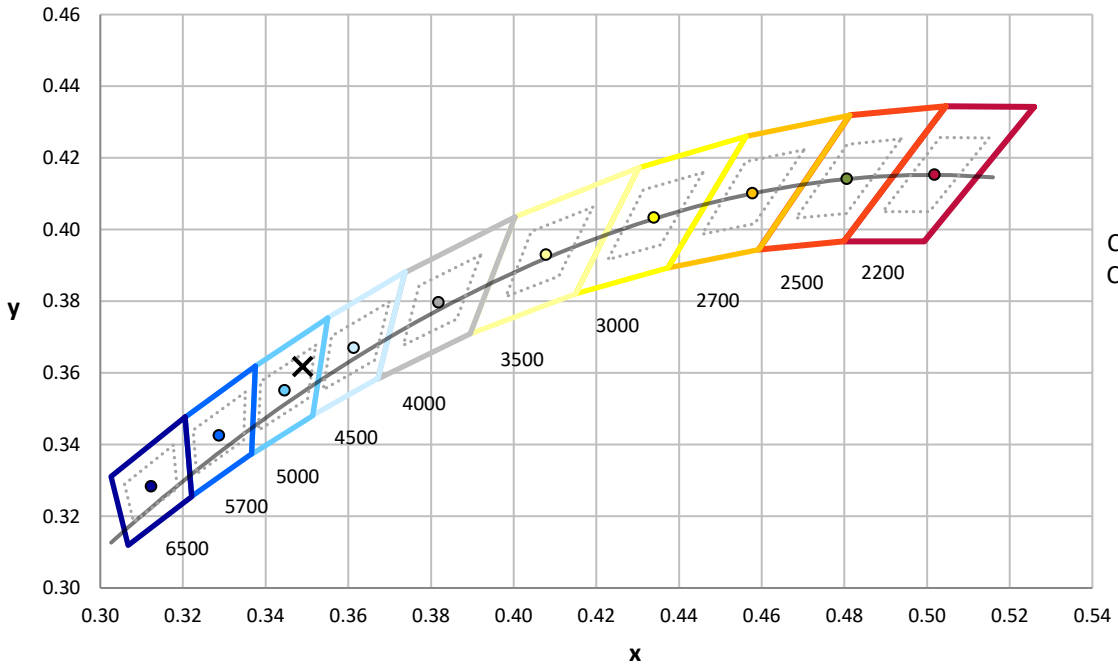
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

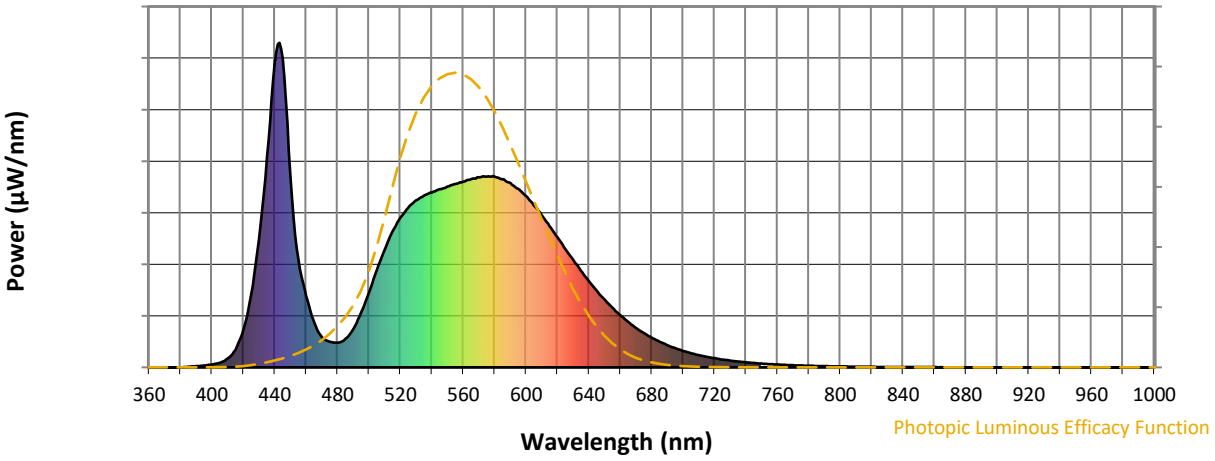


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

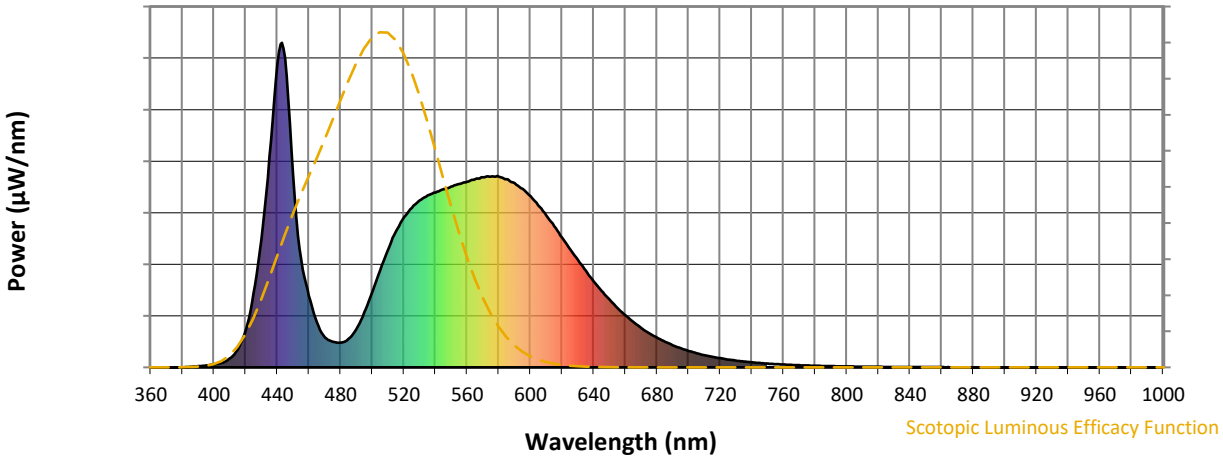


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

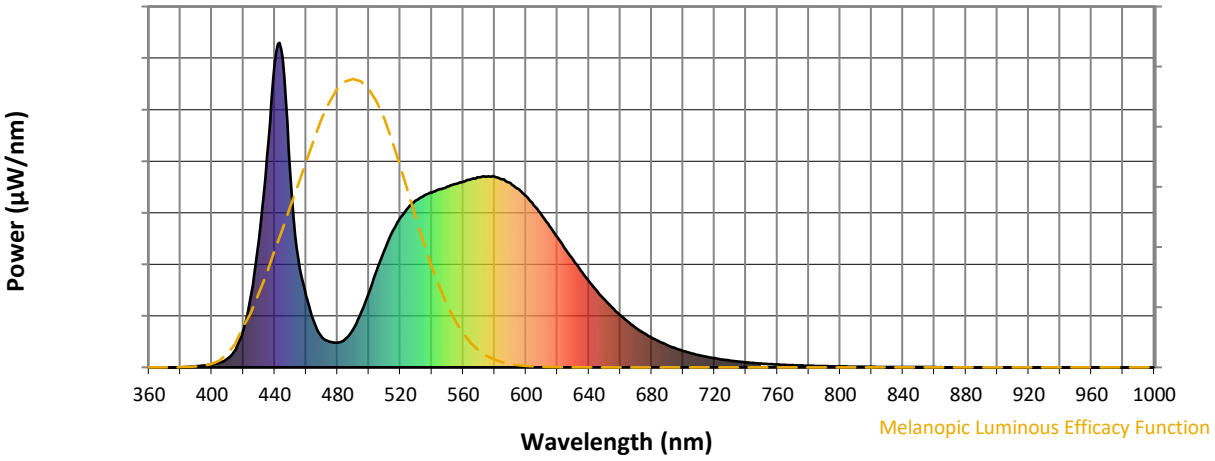


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

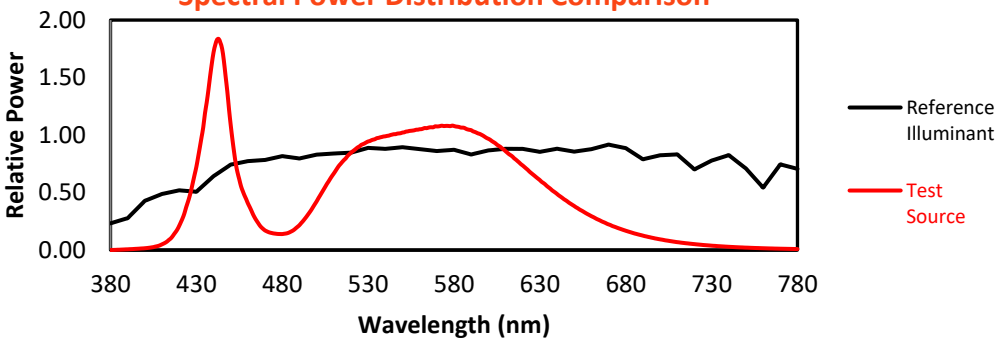
REPORT NUMBER: SP1-2407-184-6

TM-30-18

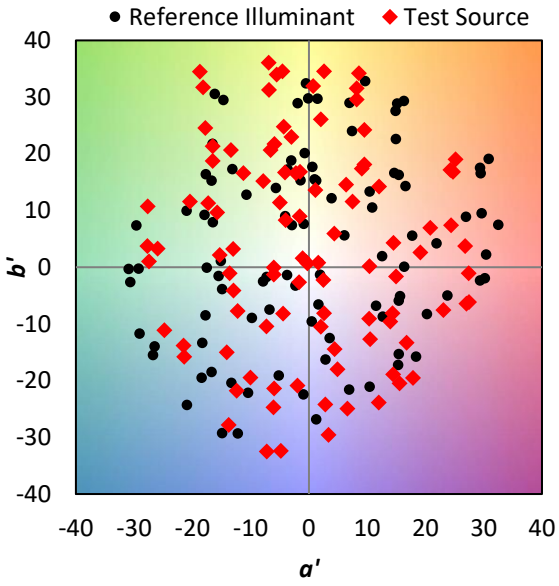
Summary

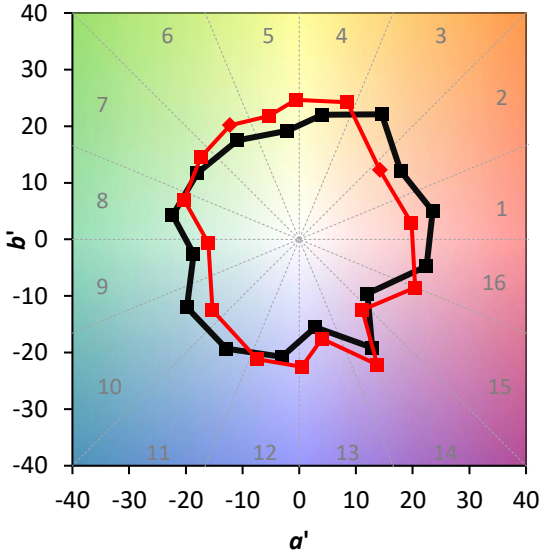
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

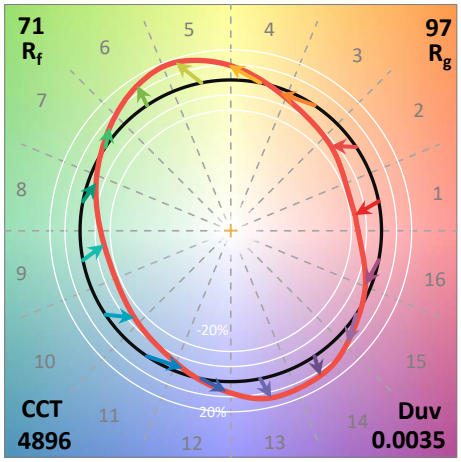
Spectral Power Distribution Comparison

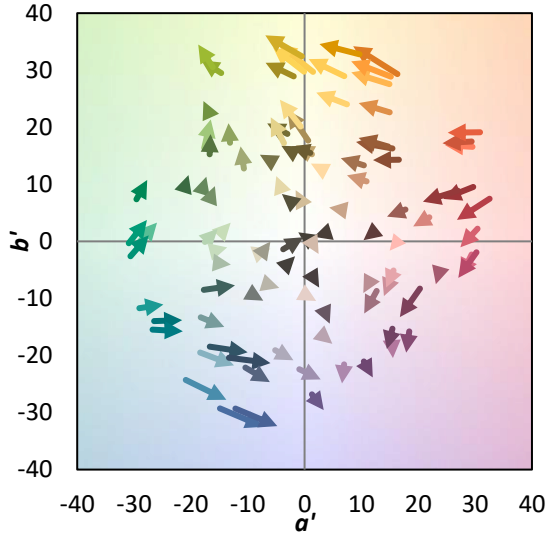


Color Vector Graphics







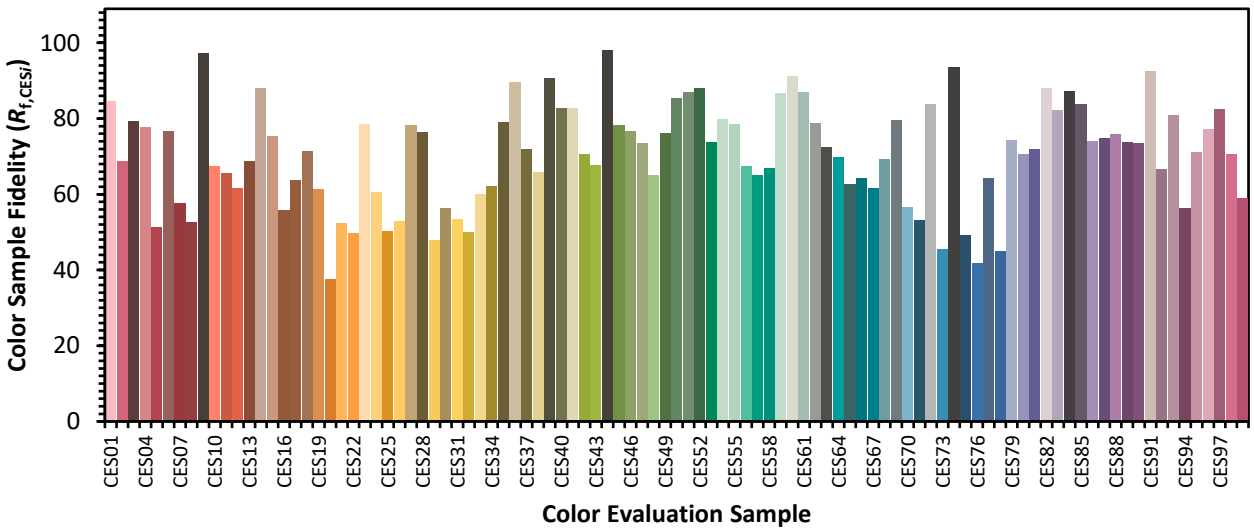


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

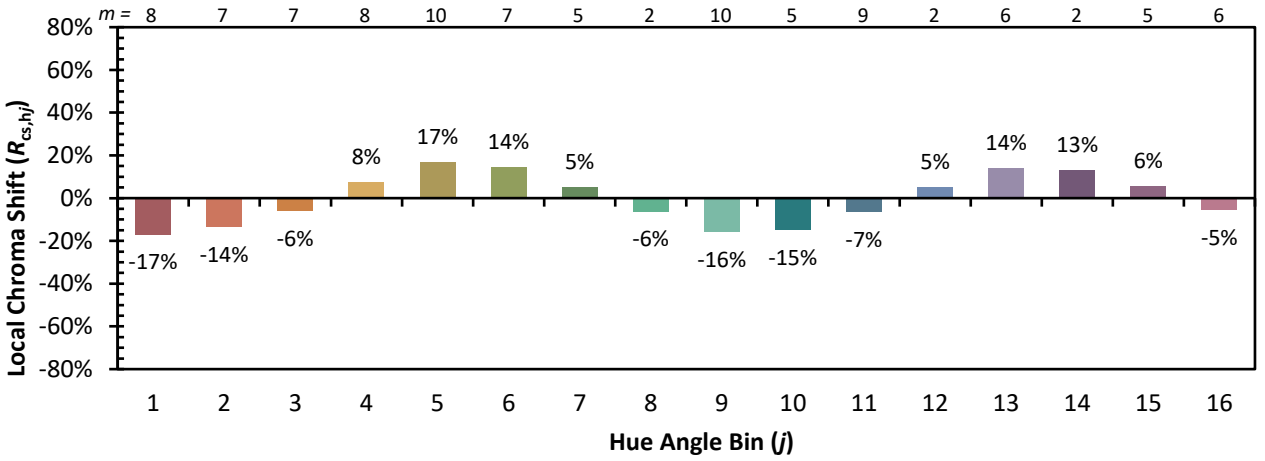
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

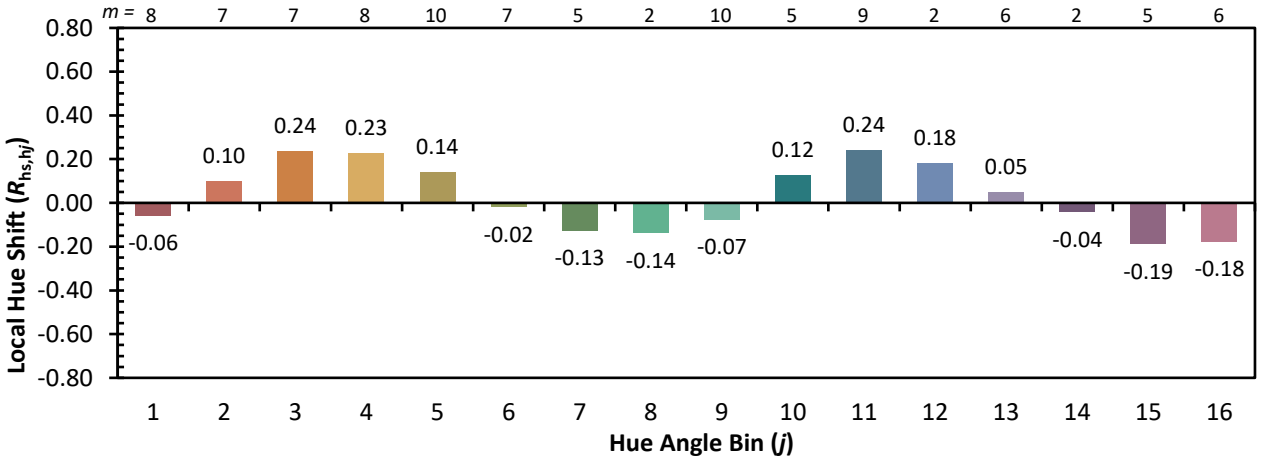


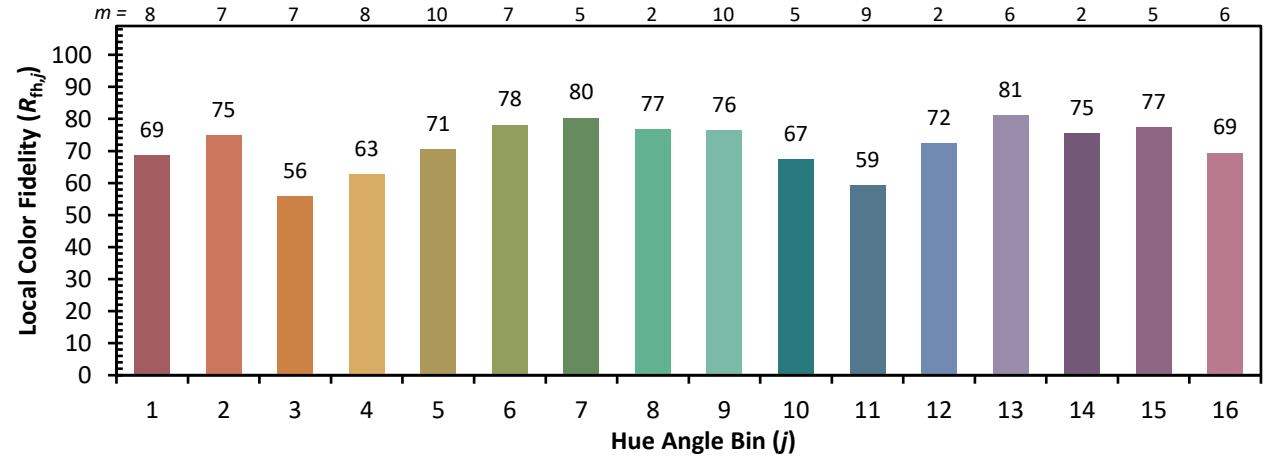
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Color Rendition by Hue-Angle Bin



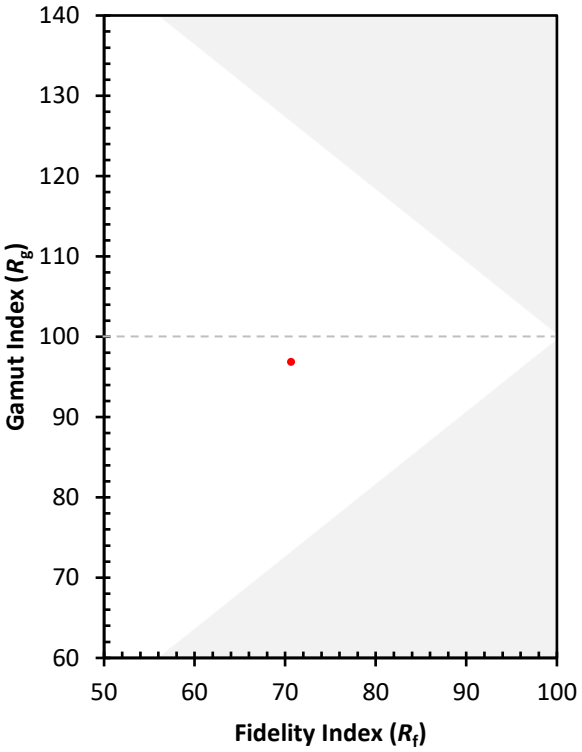


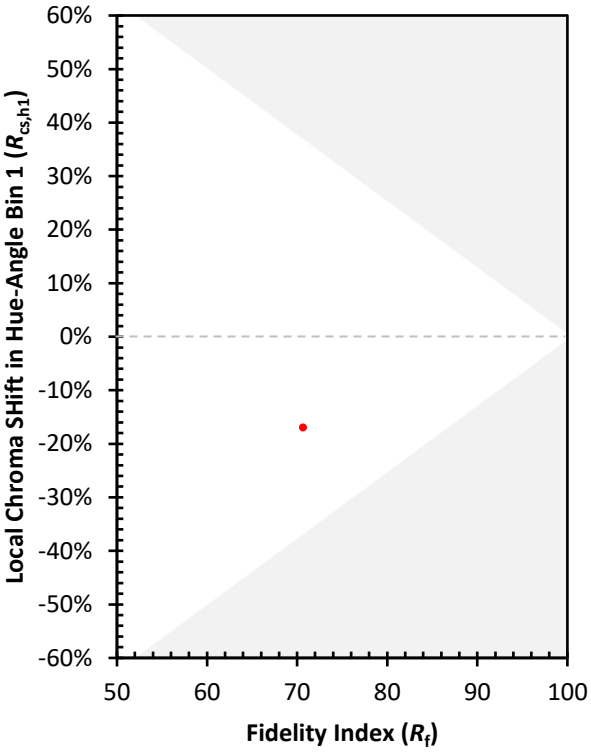


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Measure Comparisons





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