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: P1501834

Luminaire Tested: GSS-SB2B-750-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501834
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-750-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8990.2 lumens
Efficiency:	N/A
Efficacy:	121.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

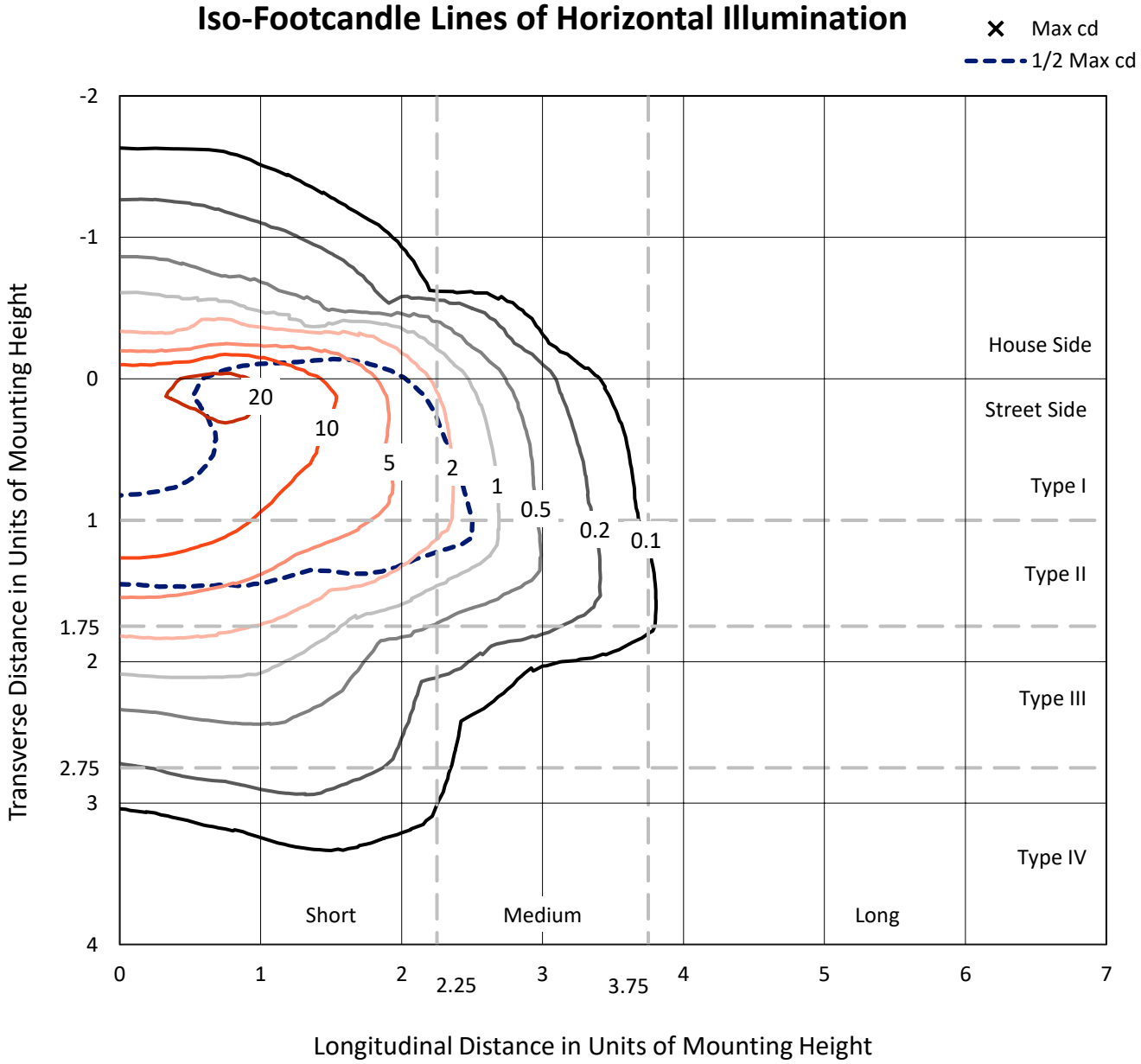
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



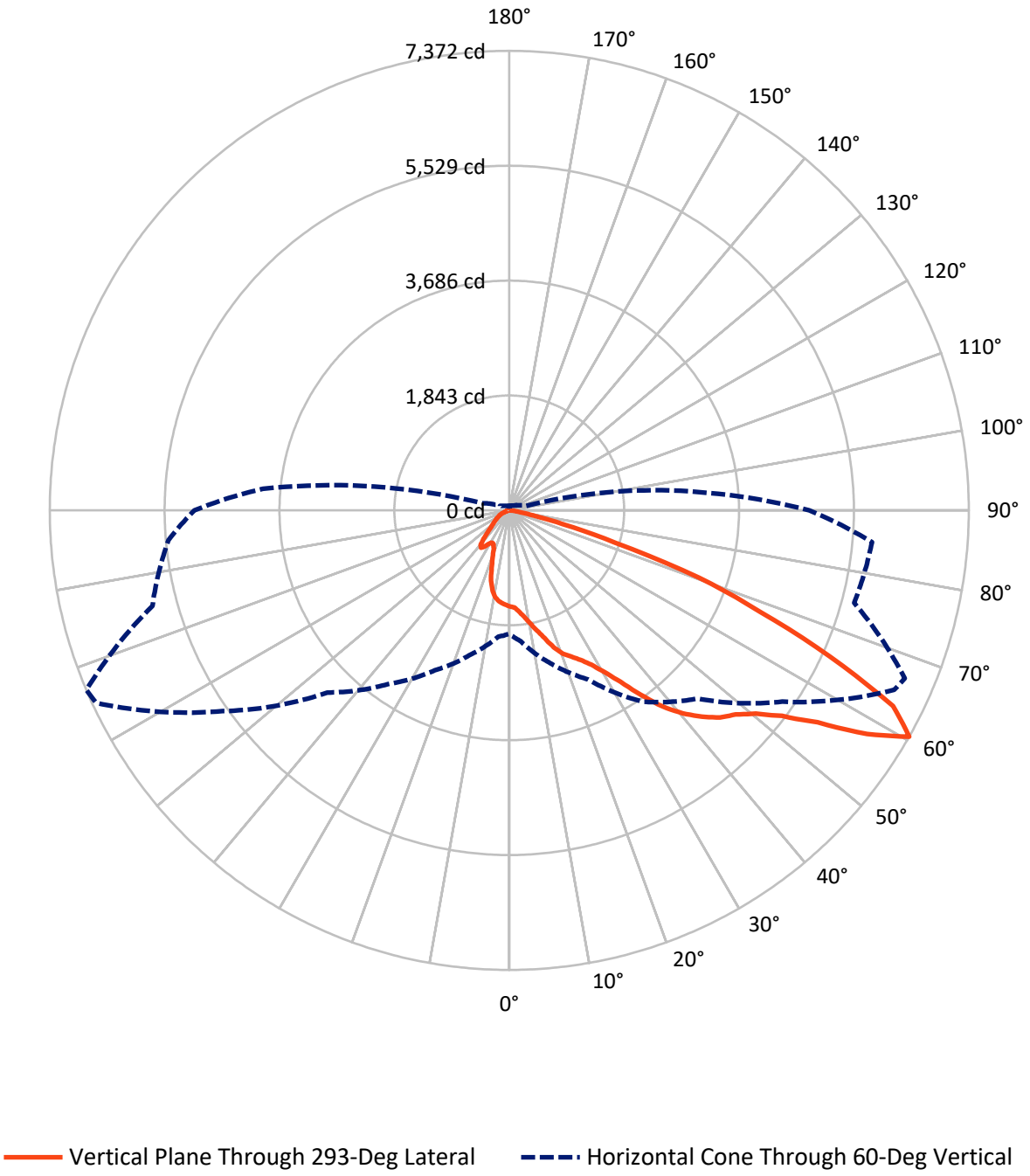
Based on 10 foot mounting height. Maximum calculated value = 25.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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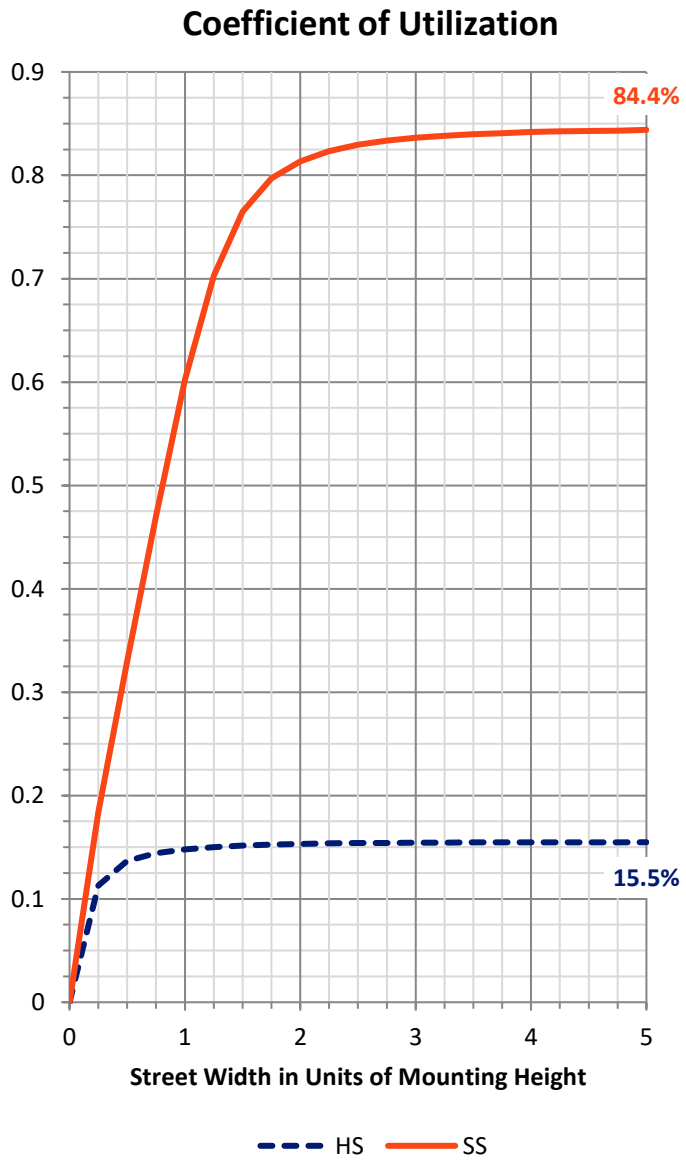
REPORT NUMBER: P1501834
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1402.7	0.0	1402.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	7587.5	0.0	7587.5
	% Fixture	84.4	0.0	84.4
Total	Lumens	8990.2	0.0	8990.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	1.6
10°-20°	351.4	3.9
20°-30°	656.0	7.3
30°-40°	1300.8	14.5
40°-50°	2074.0	23.1
50°-60°	2477.9	27.6
60°-70°	1624.4	18.1
70°-80°	340.3	3.8
80°-90°	25.7	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°	8990.2	100.0
0°-180°	8990.2	100.0



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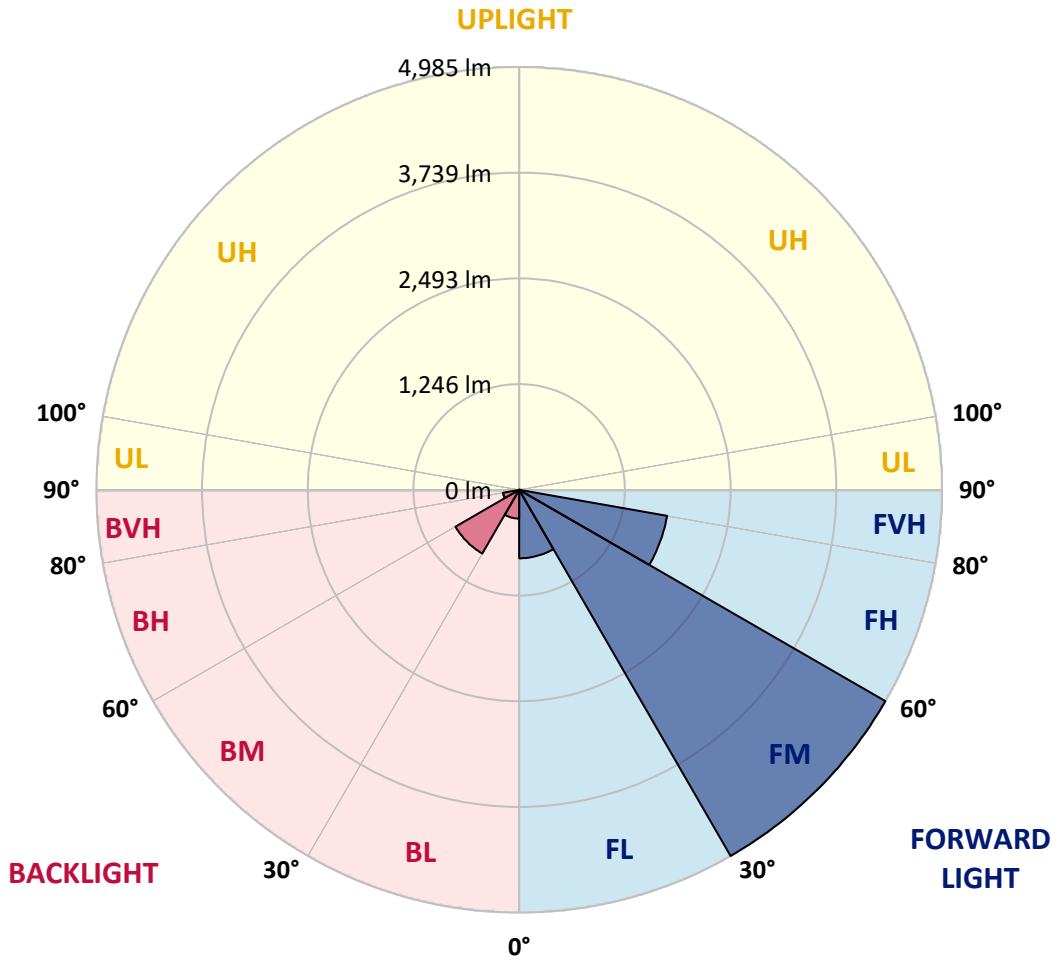
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	807.5	9.0			
FM	(30°-60°)	4985.4	55.5			
FH	(60°-80°)	1771.0	19.7			G1/1800
FVH	(80°-90°)	23.6	0.3			G1/100
BL	(0°-30°)	339.4	3.8	B1/500		
BM	(30°-60°)	867.4	9.6	B1/1000		
BH	(60°-80°)	193.8	2.2	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8
2.5°	1618.9	1613.8	1606.3	1608.8	1606.3	1596.2	1581.1	1568.5	1578.6	1563.5	1553.4
5°	1666.7	1666.7	1661.7	1661.7	1664.2	1659.2	1649.1	1631.5	1634.0	1621.4	1588.7
7.5°	1666.7	1659.2	1671.7	1684.3	1707.0	1719.6	1724.6	1714.5	1719.6	1694.4	1651.6
10°	1568.5	1563.5	1596.2	1644.0	1709.5	1767.4	1805.2	1807.7	1815.2	1790.1	1739.7
12.5°	1359.5	1349.5	1414.9	1505.6	1639.0	1772.4	1878.2	1918.5	1936.1	1926.0	1855.5
15°	1165.7	1178.3	1223.6	1321.8	1500.5	1704.5	1918.5	2051.9	2077.1	2089.7	2006.6
17.5°	1145.5	1148.1	1163.2	1211.0	1347.0	1593.7	1923.5	2190.4	2225.6	2281.0	2167.7
20°	1200.9	1195.9	1211.0	1226.1	1291.6	1495.5	1875.7	2323.8	2391.8	2510.1	2386.8
22.5°	1304.2	1304.2	1311.7	1321.8	1354.5	1487.9	1855.5	2447.2	2563.0	2804.7	2661.2
25°	1477.9	1457.7	1462.8	1450.2	1477.9	1578.6	1900.8	2545.4	2704.0	3132.0	2988.5
27.5°	1747.3	1754.8	1709.5	1641.5	1656.6	1742.2	2011.6	2656.2	2850.0	3471.9	3320.8
30°	2119.9	2107.3	2079.6	1946.2	1885.7	1961.3	2215.6	2837.4	3046.4	3902.4	3763.9
32.5°	2411.9	2447.2	2399.3	2306.2	2213.0	2235.7	2502.6	3129.5	3285.6	4297.7	4222.2
35°	2764.4	2764.4	2774.5	2643.6	2580.6	2575.6	2862.6	3446.7	3602.8	4655.2	4708.1
37.5°	3240.3	3207.5	3152.1	3006.1	2958.3	3021.2	3200.0	3774.0	3942.7	4944.7	5085.7
40°	3640.6	3663.2	3655.7	3444.2	3351.0	3419.0	3577.6	4053.5	4184.4	5131.0	5390.4
42.5°	4033.3	4045.9	4013.2	3912.5	3776.5	3781.6	3912.5	4265.0	4398.4	5309.8	5677.4
45°	4327.9	4325.4	4302.7	4277.5	4197.0	4113.9	4136.5	4499.1	4614.9	5367.7	5833.5
47.5°	4421.0	4441.2	4461.3	4531.8	4587.2	4456.3	4340.5	4625.0	4730.7	5357.6	5891.4
50°	4335.4	4378.2	4476.4	4582.2	4771.0	4760.9	4511.7	4760.9	4864.2	5413.0	5959.4
52.5°	4144.1	4186.9	4317.8	4509.2	4793.7	4934.7	4828.9	4990.0	5110.9	5554.0	6100.3
55°	3698.5	3716.1	3985.5	4237.3	4680.4	4859.1	5168.8	5377.8	5478.5	5725.2	6286.6
57.5°	3011.1	3053.9	3318.3	3728.7	4363.1	4660.2	5362.7	6039.9	6037.4	5888.9	6326.9
60°	*1981.4*	*2107.3*	*2537.8*	*2991.0*	*3748.8*	*4270.0*	*5350.1*	*6815.4*	*6893.4*	*5727.7*	*5841.0*
62.5°	1513.1	1566.0	1810.2	2187.9	2774.5	3539.9	5267.0	7047.0	7107.4	5294.7	5113.4
65°	1138.0	1203.5	1437.6	1775.0	1958.8	2399.3	4723.2	6125.5	6208.6	4725.7	3975.4
67.5°	697.4	750.3	1062.5	1457.7	1482.9	1490.5	3187.4	4640.1	4670.3	3811.8	2676.3
70°	465.8	518.6	735.2	1120.4	1180.8	858.5	1749.8	3512.2	3509.6	2608.3	1626.4
72.5°	269.4	294.6	465.8	825.8	929.0	546.3	873.6	2233.2	2135.0	1226.1	760.3
75°	153.6	171.2	256.8	531.2	652.1	347.4	344.9	1195.9	1057.4	631.9	415.4
77.5°	93.2	100.7	141.0	347.4	392.8	234.1	191.3	556.4	536.3	370.1	219.0
80°	45.3	52.9	85.6	203.9	251.8	125.9	115.8	219.0	234.1	203.9	115.8
82.5°	15.1	20.1	47.8	78.0	163.6	50.4	47.8	120.8	128.4	120.8	55.4
85°	7.6	10.1	22.7	25.2	62.9	25.2	17.6	52.9	65.5	40.3	22.7
87.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	5.0	5.0
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°	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8
2.5°	1545.9	1540.8	1530.7	1513.1	1510.6	1498.0	1477.9	1465.3	1455.2	1462.8	1465.3
5°	1573.6	1561.0	1530.7	1482.9	1432.6	1382.2	1334.4	1279.0	1241.2	1236.2	1226.1
7.5°	1623.9	1598.7	1533.3	1440.1	1311.7	1190.9	1049.9	913.9	845.9	835.9	813.2
10°	1704.5	1661.7	1553.4	1364.6	1117.9	866.1	652.1	506.1	423.0	407.9	412.9
12.5°	1800.1	1739.7	1555.9	1236.2	851.0	536.3	370.1	314.7	297.1	289.5	289.5
15°	1923.5	1835.4	1553.4	1070.0	574.0	344.9	297.1	274.4	266.9	261.8	261.8
17.5°	2079.6	1963.8	1535.8	820.8	387.7	299.6	271.9	254.3	244.2	241.7	241.7
20°	2263.4	2107.3	1495.5	611.8	324.8	279.5	256.8	234.1	226.6	221.6	221.6
22.5°	2497.5	2281.0	1417.5	475.8	307.2	266.9	241.7	216.5	209.0	203.9	203.9
25°	2769.4	2502.6	1314.2	428.0	304.6	256.8	226.6	201.4	193.9	191.3	188.8
27.5°	3091.7	2739.2	1218.6	430.5	309.7	249.3	211.5	188.8	181.3	173.7	176.2
30°	3471.9	2983.5	1140.5	460.7	314.7	241.7	201.4	181.3	173.7	163.6	163.6
32.5°	3847.0	3270.5	1133.0	516.1	332.3	236.7	191.3	171.2	163.6	156.1	156.1
35°	4232.2	3532.3	1175.8	589.1	367.6	229.1	178.8	161.1	153.6	148.5	146.0
37.5°	4599.8	3741.3	1216.0	634.5	347.4	196.4	163.6	148.5	141.0	130.9	130.9
40°	4844.0	3854.6	1223.6	599.2	287.0	176.2	148.5	133.4	123.4	118.3	115.8
42.5°	5022.8	3927.6	1138.0	485.9	249.3	161.1	136.0	120.8	113.3	108.3	108.3
45°	5095.8	3902.4	992.0	370.1	229.1	148.5	123.4	110.8	105.7	100.7	100.7
47.5°	5085.7	3786.6	843.4	297.1	209.0	136.0	115.8	105.7	100.7	95.7	93.2
50°	5068.1	3678.3	692.4	264.4	186.3	128.4	108.3	100.7	93.2	88.1	85.6
52.5°	5183.9	3643.1	574.0	241.7	173.7	123.4	105.7	95.7	88.1	83.1	83.1
55°	5299.7	3658.2	450.7	226.6	161.1	120.8	103.2	93.2	85.6	78.0	78.0
57.5°	5292.2	3592.7	342.4	211.5	151.1	118.3	100.7	90.6	78.0	73.0	73.0
60°	*4811.3*	*3205.0*	*266.9*	*193.9*	*138.5*	*110.8*	*93.2*	*85.6*	*73.0*	*65.5*	*65.5*
62.5°	4068.6	2520.2	219.0	171.2	123.4	100.7	85.6	78.0	65.5	52.9	52.9
65°	3006.1	1817.8	176.2	148.5	113.3	88.1	78.0	68.0	52.9	42.8	40.3
67.5°	2034.3	1117.9	141.0	123.4	100.7	75.5	65.5	57.9	47.8	35.2	32.7
70°	1206.0	594.2	103.2	85.6	75.5	55.4	55.4	50.4	40.3	30.2	27.7
72.5°	574.0	206.4	75.5	62.9	57.9	40.3	42.8	42.8	32.7	22.7	20.1
75°	292.1	100.7	50.4	45.3	37.8	30.2	35.2	32.7	22.7	15.1	15.1
77.5°	166.2	70.5	35.2	30.2	25.2	20.1	22.7	20.1	12.6	7.6	7.6
80°	93.2	50.4	22.7	20.1	15.1	12.6	12.6	10.1	7.6	2.5	2.5
82.5°	35.2	30.2	15.1	10.1	7.6	7.6	5.0	5.0	2.5	0.0	0.0
85°	15.1	7.6	7.6	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	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°	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8
2.5°	1445.1	1450.2	1455.2	1475.4	1480.4	1495.5	1508.1	1523.2	1525.7	1545.9	1545.9
5°	1246.3	1243.7	1286.5	1349.5	1389.8	1445.1	1487.9	1533.3	1558.4	1591.2	1606.3
7.5°	825.8	888.7	984.4	1095.2	1238.7	1372.1	1472.8	1561.0	1621.4	1659.2	1674.3
10°	410.4	445.6	546.3	727.6	971.8	1243.7	1457.7	1621.4	1719.6	1762.4	1790.1
12.5°	289.5	297.1	314.7	412.9	647.0	1032.2	1409.9	1686.8	1822.8	1903.4	1938.6
15°	259.3	264.4	271.9	299.6	400.3	770.4	1324.3	1759.9	1983.9	2077.1	2122.4
17.5°	239.2	241.7	249.3	271.9	314.7	523.7	1185.8	1837.9	2177.8	2291.1	2376.7
20°	221.6	221.6	229.1	256.8	292.1	402.8	986.9	1926.0	2424.5	2588.2	2673.8
22.5°	201.4	206.4	211.5	241.7	284.5	367.6	800.6	1994.0	2699.0	2897.9	2998.6
25°	186.3	191.3	196.4	226.6	276.9	367.6	692.4	2036.8	3006.1	3242.8	3381.2
27.5°	173.7	178.8	186.3	216.5	269.4	382.7	649.6	2049.4	3341.0	3648.1	3834.4
30°	163.6	168.7	176.2	209.0	274.4	400.3	664.7	2031.8	3680.8	4066.1	4287.6
32.5°	153.6	158.6	166.2	201.4	274.4	423.0	715.0	1996.5	4010.7	4484.0	4755.9
35°	146.0	148.5	151.1	181.3	249.3	420.5	778.0	1961.3	4343.0	4896.9	5214.1
37.5°	130.9	133.4	138.5	156.1	198.9	382.7	790.6	1918.5	4604.8	5244.3	5594.3
40°	115.8	120.8	125.9	143.5	166.2	309.7	735.2	1827.8	4743.3	5511.2	5936.7
42.5°	105.7	108.3	113.3	130.9	153.6	246.7	616.8	1669.2	4866.7	5692.5	6185.9
45°	98.2	100.7	105.7	118.3	143.5	214.0	485.9	1475.4	4876.7	5750.4	6306.8
47.5°	90.6	93.2	95.7	108.3	138.5	191.3	372.6	1299.1	4874.2	5825.9	6410.0
50°	85.6	88.1	93.2	103.2	130.9	171.2	307.2	1155.6	4980.0	5989.6	6619.0
52.5°	83.1	83.1	90.6	100.7	123.4	156.1	256.8	1027.2	5035.4	6150.7	6770.0
55°	78.0	80.6	85.6	95.7	115.8	148.5	219.0	866.1	5060.5	6231.3	6797.7
57.5°	73.0	75.5	83.1	90.6	110.8	141.0	188.8	647.0	4700.5	5810.8	6334.5
60°	*65.5*	*70.5*	*80.6*	*88.1*	*103.2*	*128.4*	*166.2*	*438.1*	*3965.3*	*5050.5*	*5488.5*
62.5°	52.9	62.9	73.0	78.0	93.2	108.3	141.0	292.1	3167.2	4179.4	4677.9
65°	40.3	52.9	60.4	68.0	78.0	90.6	118.3	198.9	2112.3	2812.2	3373.7
67.5°	35.2	45.3	50.4	55.4	65.5	78.0	95.7	138.5	1281.5	1689.4	2243.3
70°	27.7	37.8	42.8	40.3	50.4	60.4	68.0	93.2	654.6	916.4	1276.5
72.5°	20.1	30.2	32.7	32.7	30.2	42.8	50.4	65.5	284.5	445.6	579.1
75°	15.1	20.1	22.7	20.1	17.6	27.7	35.2	42.8	186.3	266.9	337.4
77.5°	7.6	7.6	12.6	12.6	7.6	15.1	17.6	25.2	105.7	156.1	193.9
80°	2.5	0.0	0.0	2.5	0.0	5.0	7.6	12.6	55.4	83.1	120.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	27.7	25.2	62.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15.1
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: P1501834
CATALOG NUMBER: GSS-SB2B-750-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1540.8	*1540.8*	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8	1540.8
2.5°	1558.4	*1558.4*	1568.5	1583.6	1591.2	1596.2	1598.7	1603.8	1623.9	1618.9
5°	1623.9	*1628.9*	1636.5	1651.6	1669.2	1664.2	1664.2	1664.2	1676.8	1666.7
7.5°	1709.5	*1724.6*	1727.1	1744.8	1732.2	1707.0	1691.9	1669.2	1666.7	1666.7
10°	1848.0	*1842.9*	1842.9	1820.3	1775.0	1702.0	1636.5	1591.2	1566.0	1568.5
12.5°	1996.5	*1976.4*	1978.9	1895.8	1767.4	1606.3	1472.8	1374.7	1367.1	1359.5
15°	2180.3	*2127.4*	2117.4	1926.0	1654.1	1407.4	1276.5	1198.4	1173.2	1165.7
17.5°	2442.2	*2308.7*	2260.9	1873.2	1505.6	1284.0	1185.8	1150.6	1148.1	1145.5
20°	2719.1	*2454.7*	2364.1	1795.1	1455.2	1286.5	1213.5	1203.5	1198.4	1200.9
22.5°	3041.4	*2547.9*	2432.1	1807.7	1500.5	1369.6	1311.7	1304.2	1299.1	1304.2
25°	3373.7	*2656.2*	2512.6	1908.4	1636.5	1523.2	1455.2	1440.1	1455.2	1477.9
27.5°	3708.5	*2802.2*	2671.3	2107.3	1855.5	1732.2	1666.7	1722.1	1744.8	1747.3
30°	4005.6	*3006.1*	2885.3	2386.8	2104.8	1981.4	1994.0	2064.5	2092.2	2119.9
32.5°	4277.5	*3278.0*	3184.9	2704.0	2427.0	2354.0	2346.5	2399.3	2429.6	2411.9
35°	4552.0	*3633.0*	3542.4	3048.9	2822.3	2761.9	2699.0	2802.2	2792.1	2764.4
37.5°	4811.3	*3990.5*	3907.4	3419.0	3184.9	3079.1	3069.1	3162.2	3245.3	3240.3
40°	4997.6	*4280.1*	4179.4	3786.6	3565.0	3474.4	3527.3	3688.4	3668.3	3640.6
42.5°	5168.8	*4526.8*	4436.2	4108.9	3877.2	3917.5	3965.3	4073.6	4061.0	4033.3
45°	5249.4	*4738.3*	4660.2	4353.1	4239.8	4368.2	4365.7	4405.9	4338.0	4327.9
47.5°	5362.7	*4889.3*	4808.8	4572.1	4672.8	4725.7	4577.1	4534.3	4471.4	4421.0
50°	5571.6	*5123.5*	5042.9	4904.4	4990.0	4826.4	4645.1	4552.0	4423.6	4335.4
52.5°	5815.8	*5478.5*	5408.0	5352.6	5113.4	4776.0	4544.4	4375.7	4219.6	4144.1
55°	6123.0	*6002.2*	5951.8	5647.2	5002.6	4569.6	4297.7	3983.0	3769.0	3698.5
57.5°	6223.7	*6770.0*	6752.4	5695.0	4693.0	4194.5	3703.5	3278.0	3056.5	3011.1
60°	*5926.6*	*7371.8*	*7308.8*	*5614.4*	*4131.5*	*3403.9*	*2829.9*	*2394.3*	*2034.3*	*1981.4*
62.5°	5546.5	*6911.0*	6888.4	5209.1	3147.1	2439.6	2114.9	1707.0	1553.4	1513.1
65°	4750.9	*5654.7*	5664.8	4179.4	1991.5	1752.3	1737.2	1357.0	1168.2	1138.0
67.5°	3658.2	*4338.0*	4267.5	2628.5	1160.7	1402.3	1387.2	992.0	717.5	697.4
70°	2137.5	*3230.2*	3116.9	1367.1	767.9	1170.7	1067.5	697.4	488.4	465.8
72.5°	944.1	*1777.5*	1908.4	601.7	541.3	931.5	770.4	428.0	274.4	269.4
75°	523.7	*881.2*	921.5	261.8	380.2	662.2	465.8	239.2	156.1	153.6
77.5°	314.7	*390.2*	380.2	168.7	284.5	423.0	282.0	136.0	98.2	93.2
80°	176.2	*178.8*	151.1	123.4	168.7	236.7	158.6	85.6	45.3	45.3
82.5°	108.3	*98.2*	78.0	37.8	45.3	143.5	57.9	47.8	15.1	15.1
85°	45.3	*30.2*	20.1	7.6	17.6	37.8	20.1	22.7	7.6	7.6
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

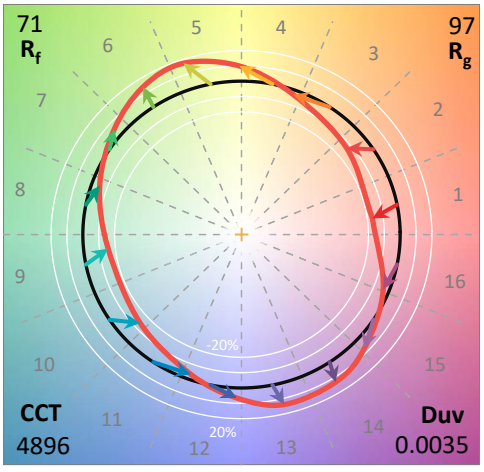
Test Information

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

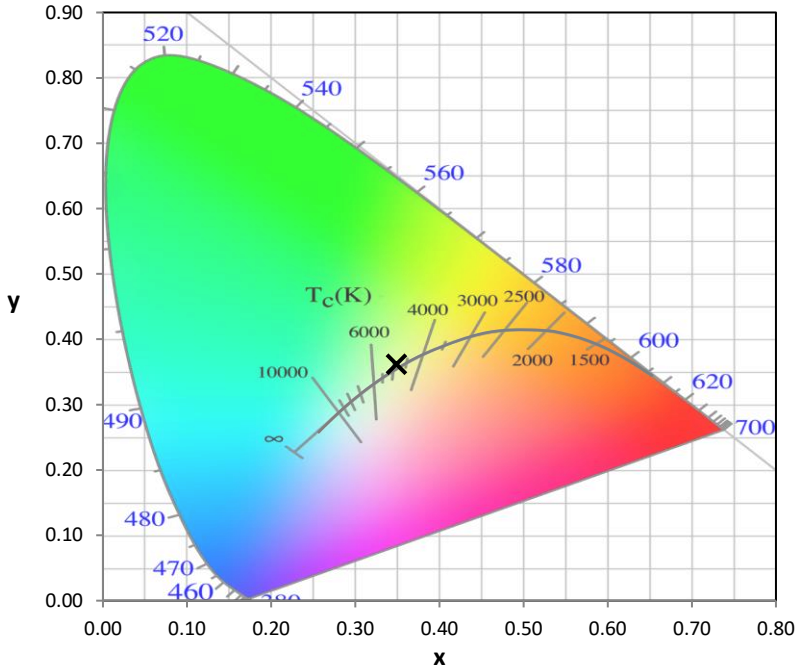
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

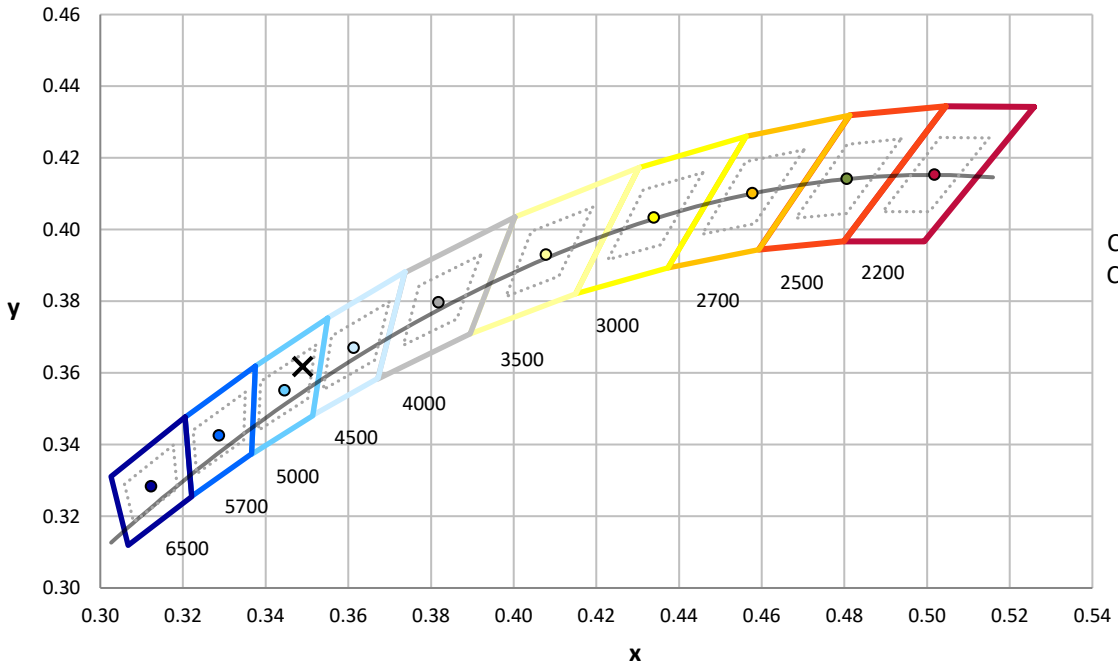
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

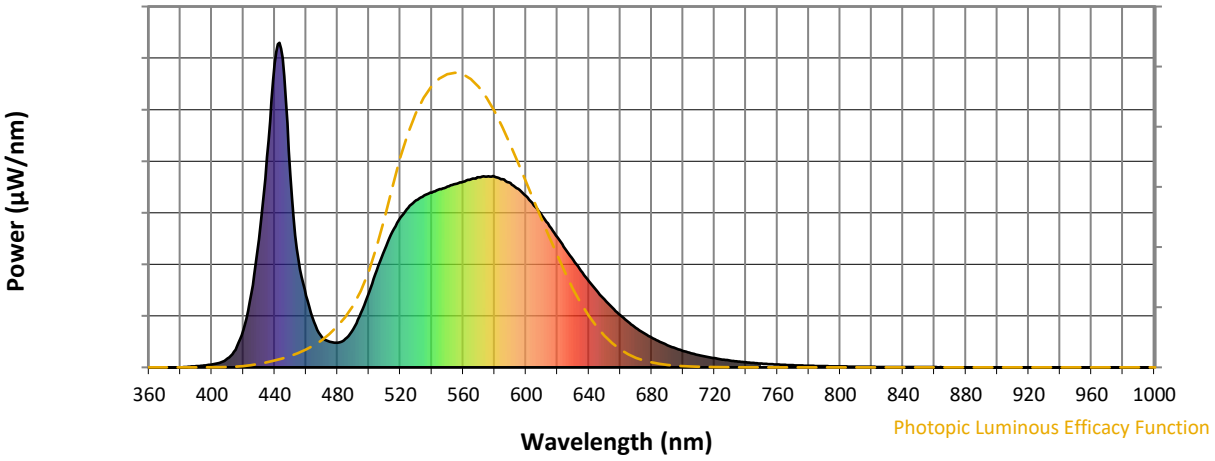


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

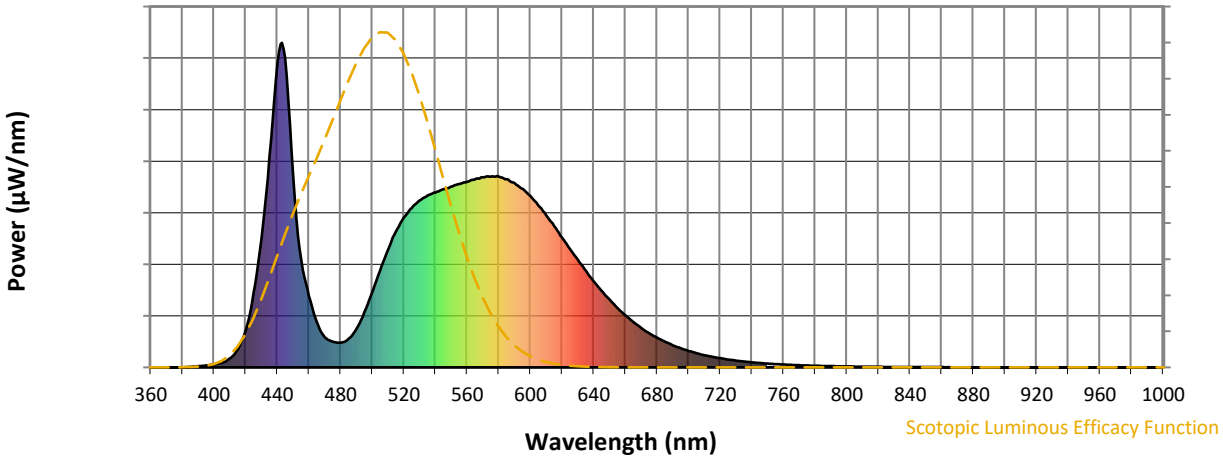


Photopic Lumens: NR

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

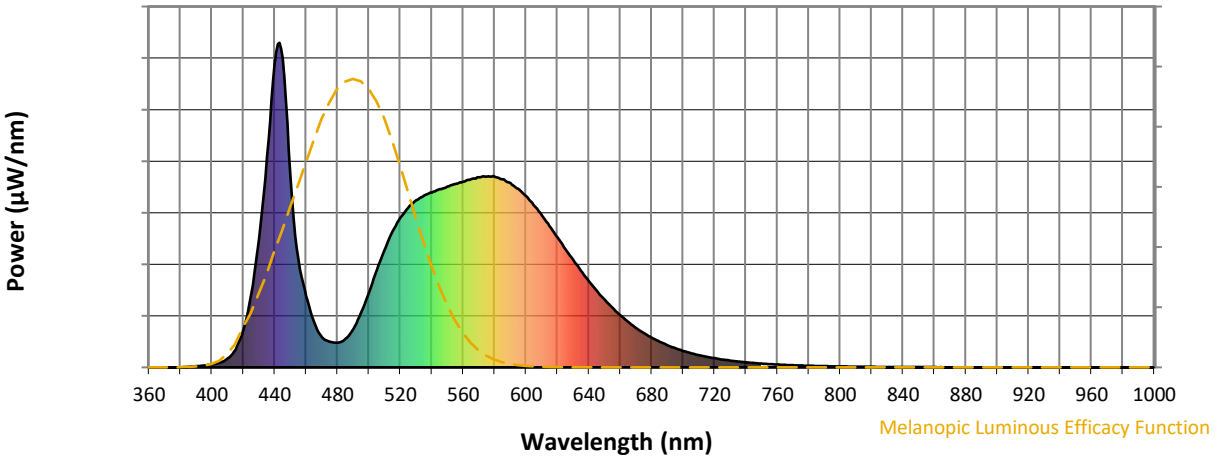


Scotopic Lumens: NR **S/P: 1.7**

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			

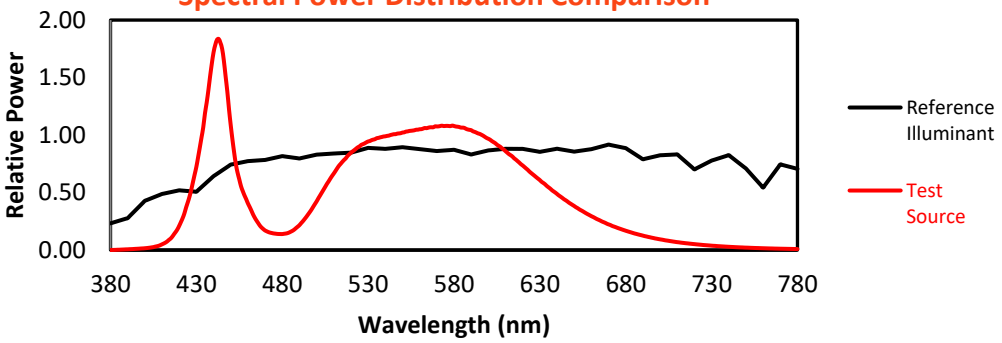
REPORT NUMBER: SP1-2407-184-6

TM-30-18

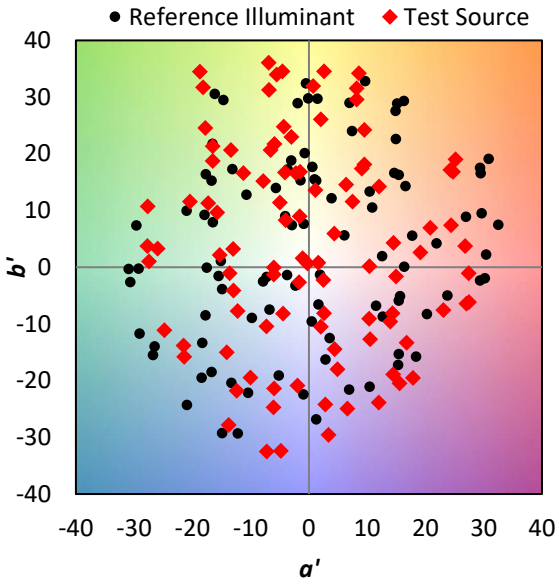
Summary

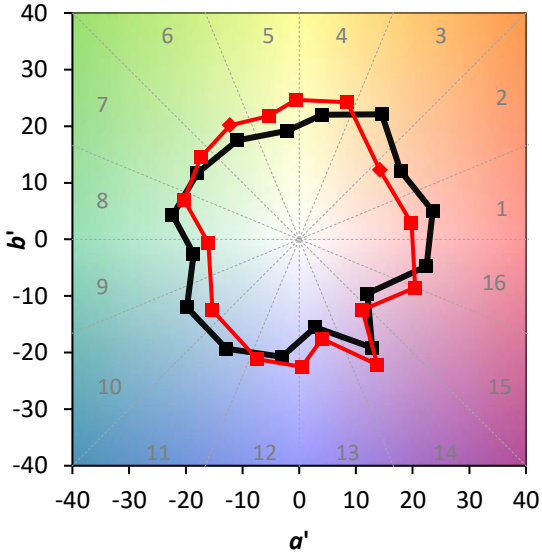
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

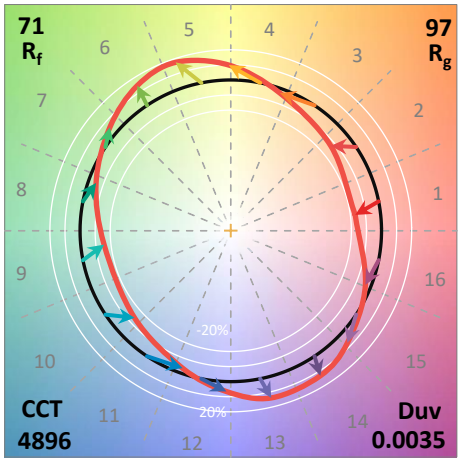
Spectral Power Distribution Comparison

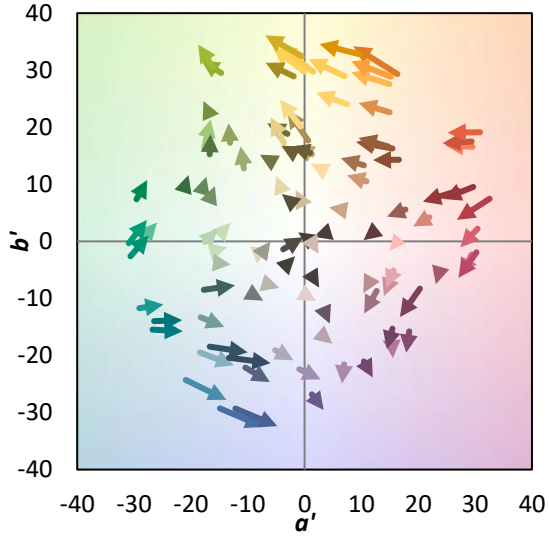


Color Vector Graphics







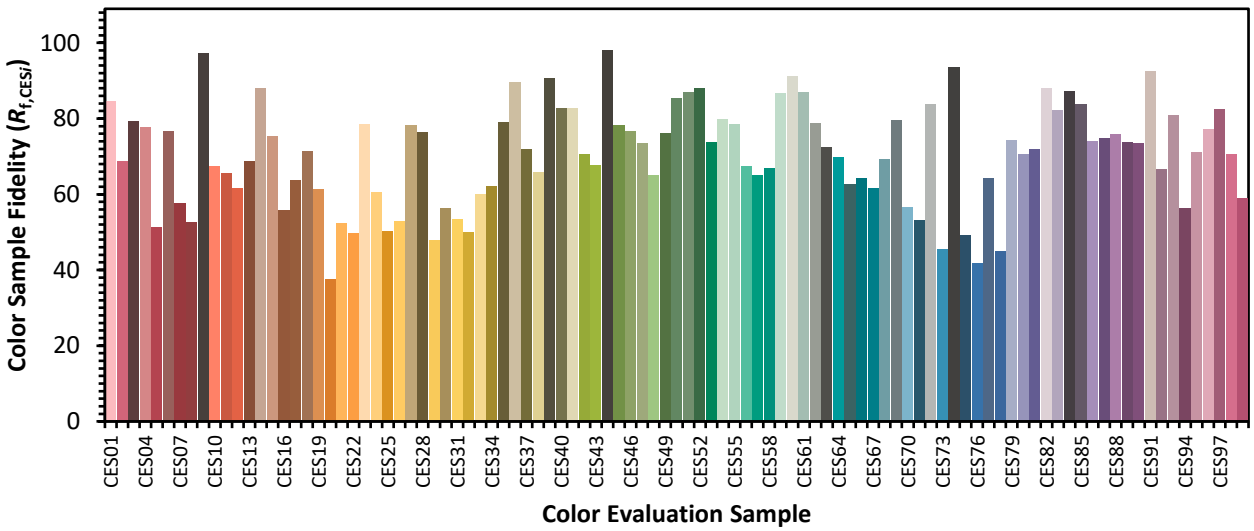


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Individual Sample Fidelity Index ($R_{f,i}$)

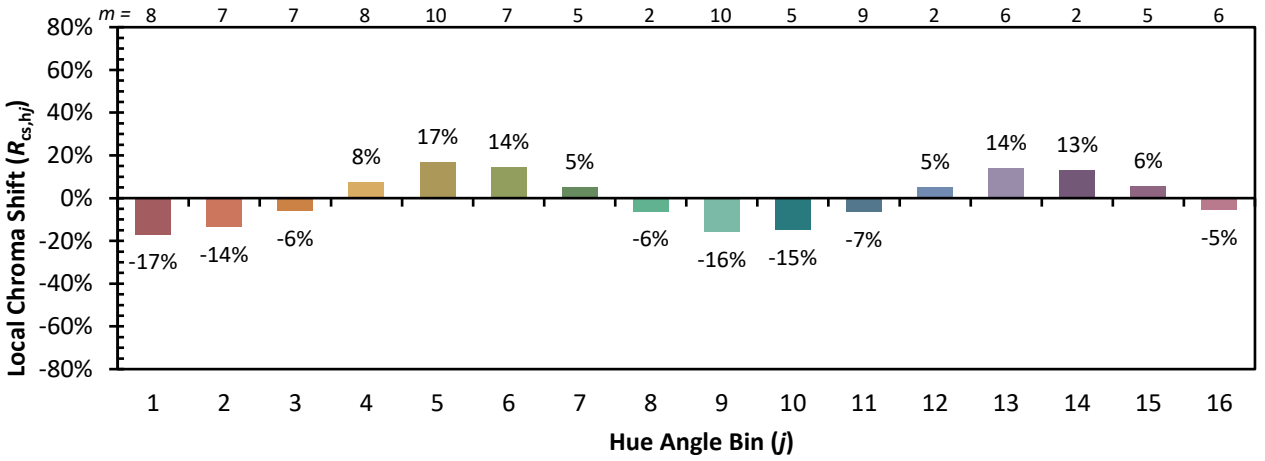
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 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	

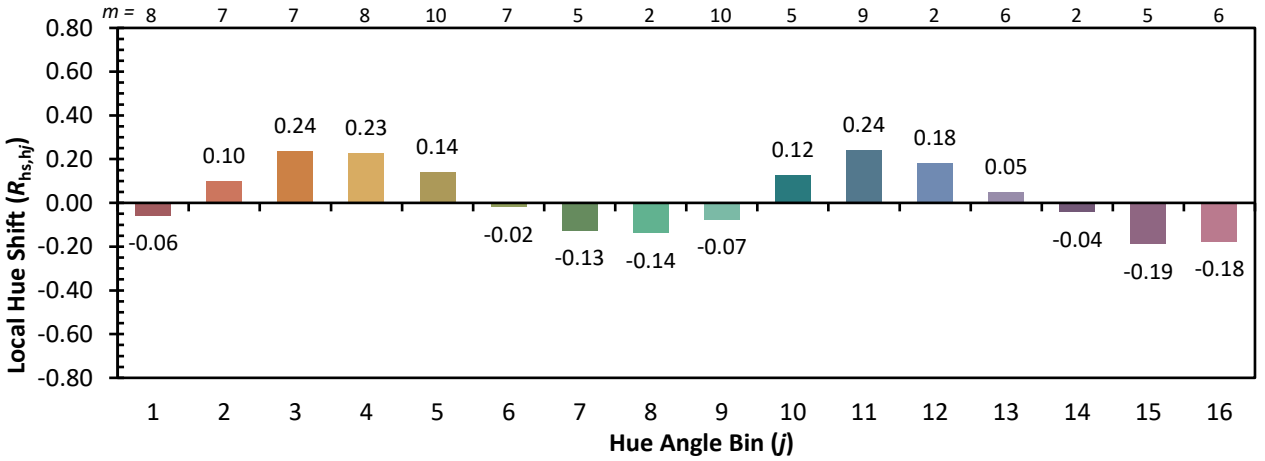


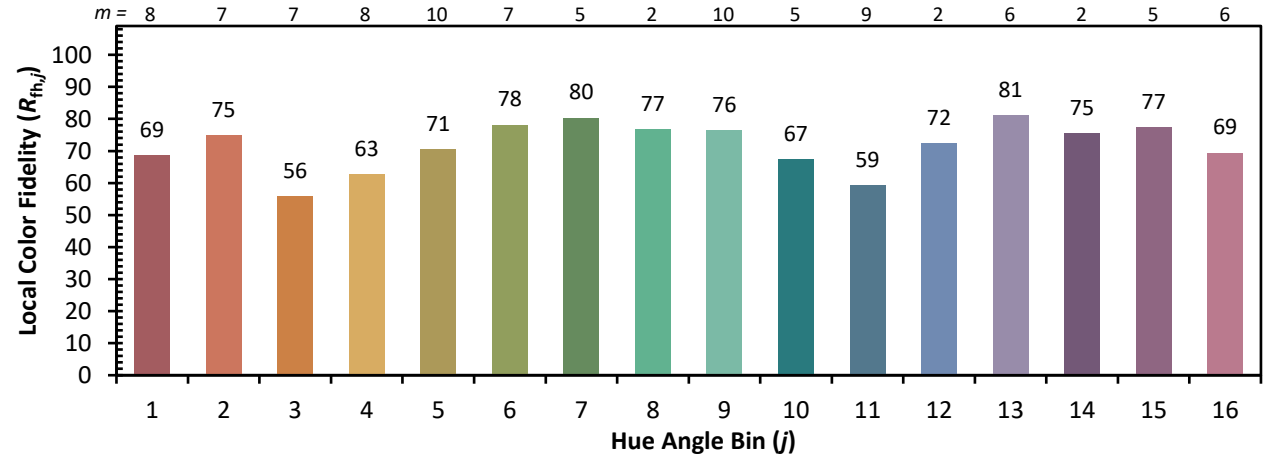
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Color Rendition by Hue-Angle Bin



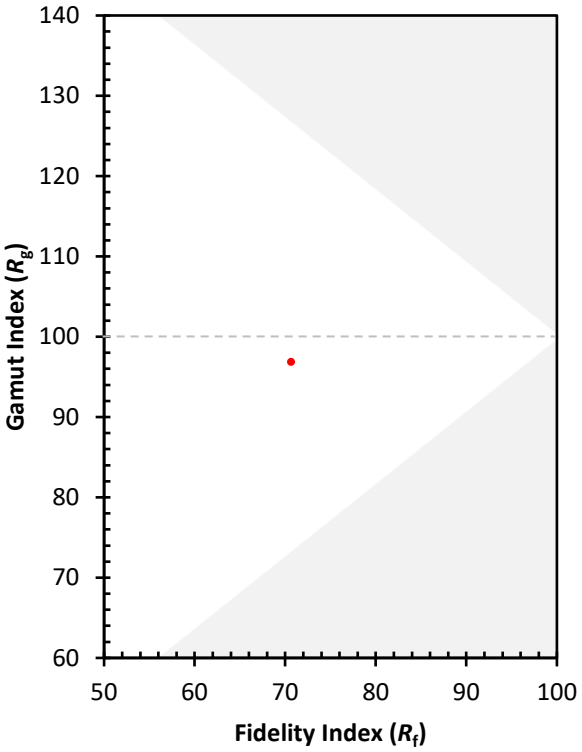


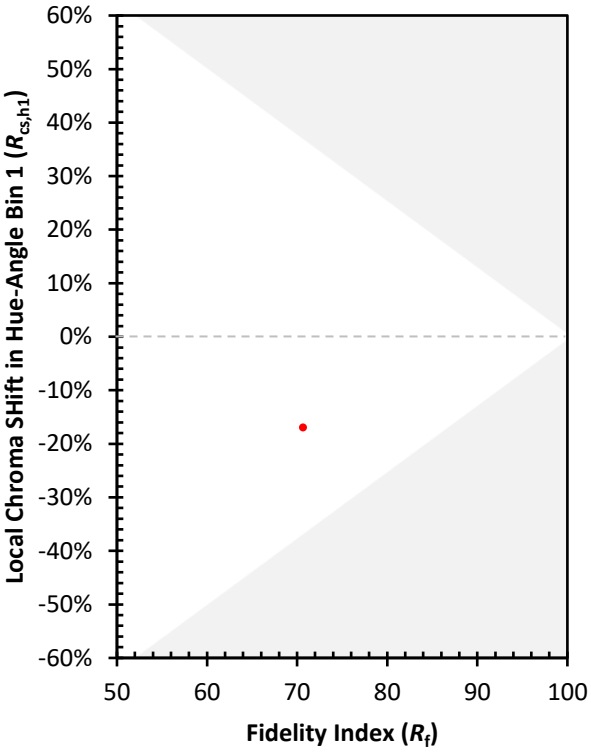


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Measure Comparisons





(END OF REPORT)