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: P1501885

Luminaire Tested: GSS-SB3A-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501885
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8836.1 lumens
Efficiency:	N/A
Efficacy:	104.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

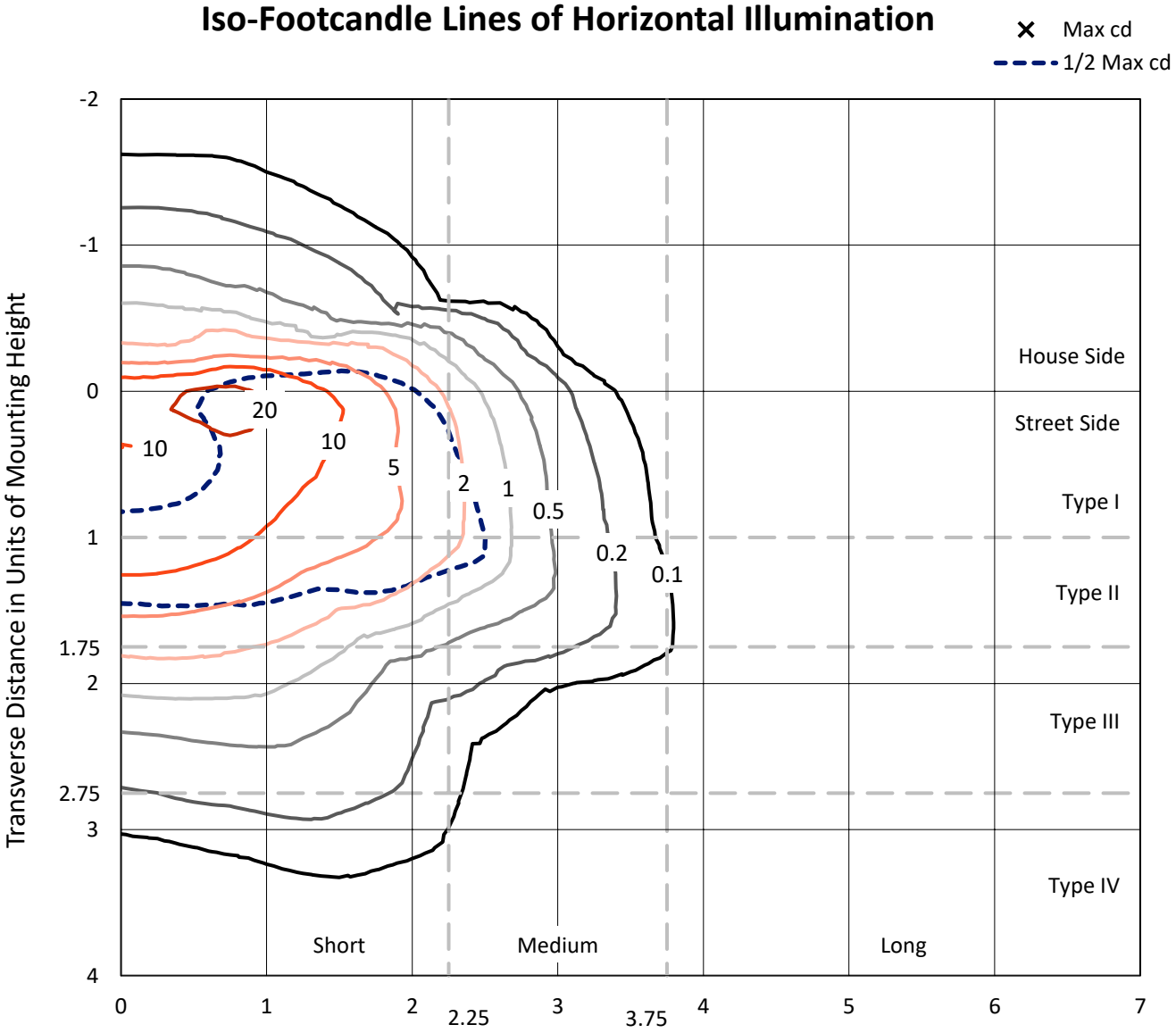
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



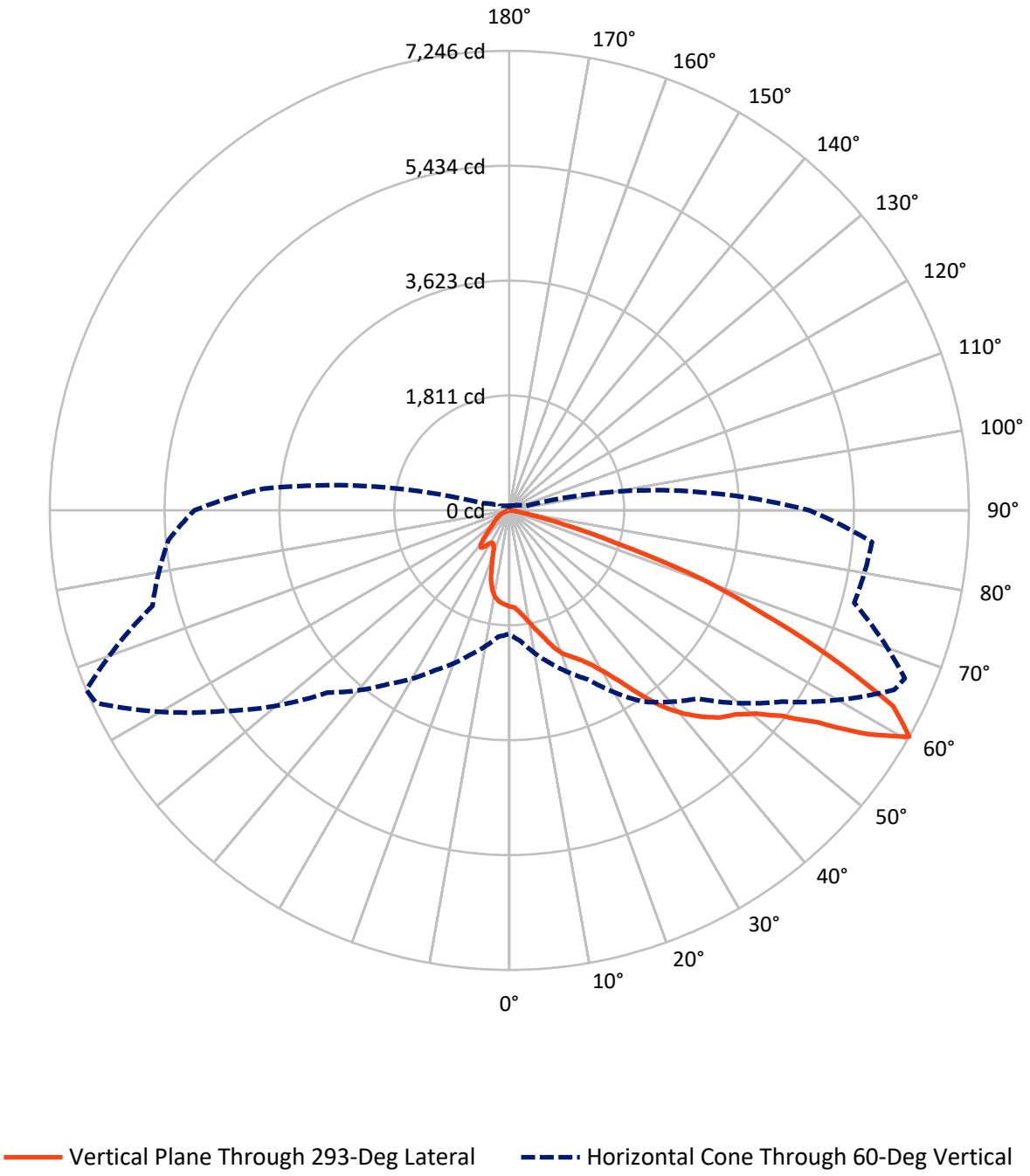
Based on 10 foot mounting height. Maximum calculated value = 25.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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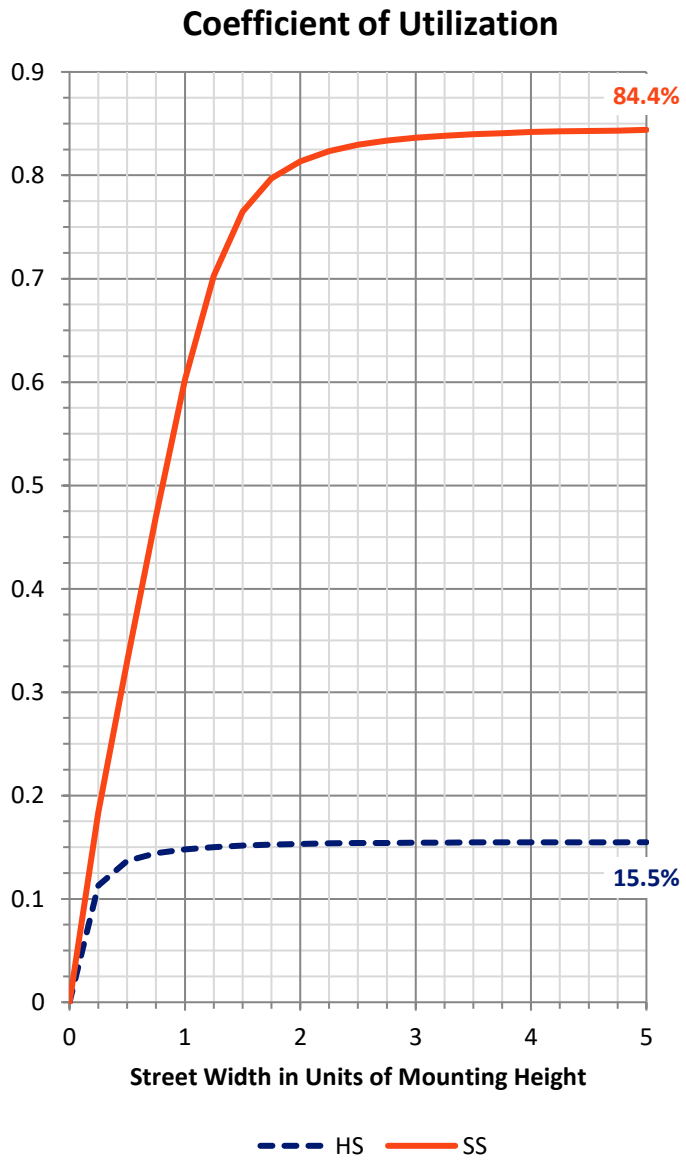
REPORT NUMBER: P1501885
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1378.7	0.0	1378.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	7457.5	0.0	7457.5
	% Fixture	84.4	0.0	84.4
Total	Lumens	8836.1	0.0	8836.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	1.6
10°-20°	345.4	3.9
20°-30°	644.7	7.3
30°-40°	1278.6	14.5
40°-50°	2038.5	23.1
50°-60°	2435.5	27.6
60°-70°	1596.6	18.1
70°-80°	334.5	3.8
80°-90°	25.3	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°	8836.1	100.0
0°-180°	8836.1	100.0



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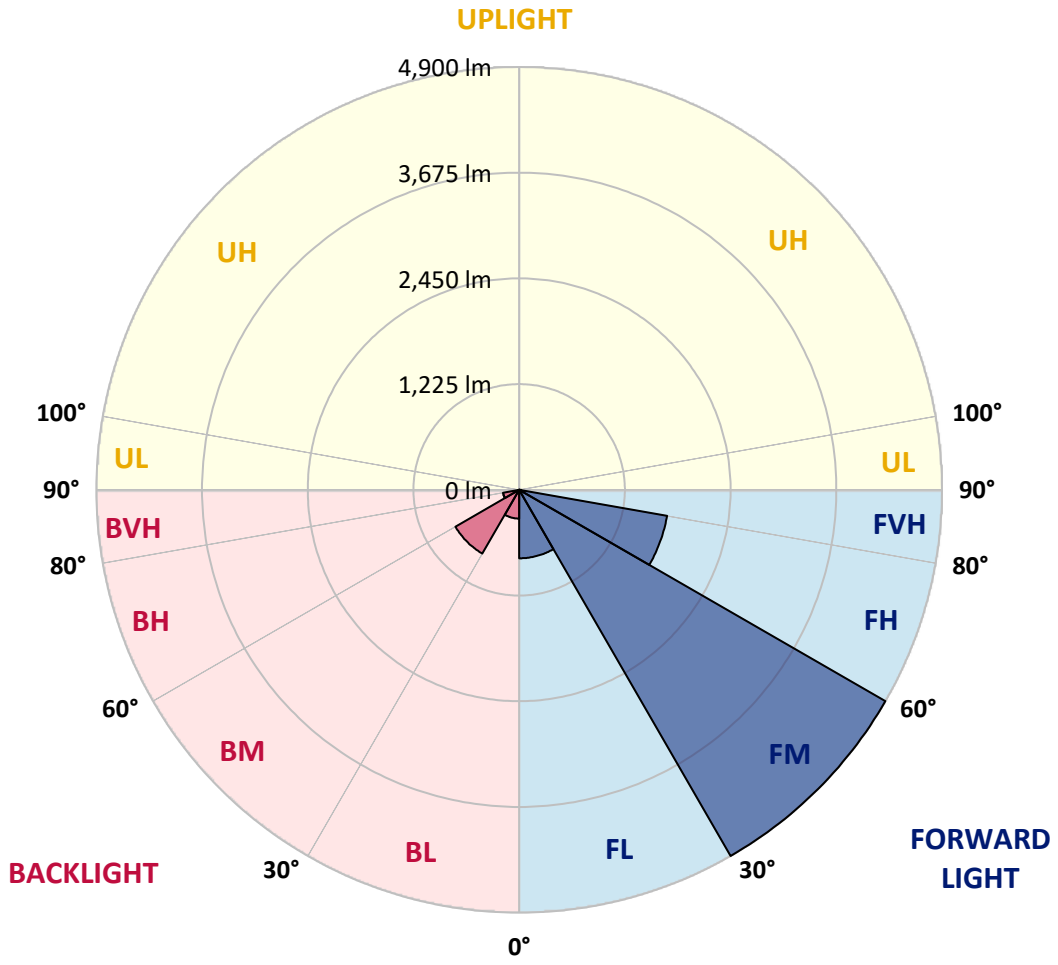
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	793.7	9.0			
FM	(30°-60°)	4900.0	55.5			
FH	(60°-80°)	1740.7	19.7			G1/1800
FVH	(80°-90°)	23.2	0.3			G1/100
BL	(0°-30°)	333.5	3.8	B1/500		
BM	(30°-60°)	852.6	9.6	B1/1000		
BH	(60°-80°)	190.4	2.2	B1/500		G1/500
BVH	(80°-90°)	2.1	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°	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1591.1	1586.2	1578.8	1581.2	1578.8	1568.9	1554.0	1541.6	1551.5	1536.7	1526.8
5°	1638.2	1638.2	1633.2	1633.2	1635.7	1630.7	1620.8	1603.5	1606.0	1593.6	1561.4
7.5°	1638.2	1630.7	1643.1	1655.5	1677.7	1690.1	1695.1	1685.2	1690.1	1665.4	1623.3
10°	1541.6	1536.7	1568.9	1615.9	1680.2	1737.1	1774.3	1776.7	1784.2	1759.4	1709.9
12.5°	1336.3	1326.4	1390.7	1479.8	1610.9	1742.1	1846.0	1885.6	1902.9	1893.0	1823.7
15°	1145.7	1158.1	1202.6	1299.1	1474.8	1675.3	1885.6	2016.8	2041.5	2053.9	1972.2
17.5°	1125.9	1128.4	1143.2	1190.3	1323.9	1566.4	1890.6	2152.9	2187.5	2241.9	2130.6
20°	1180.4	1175.4	1190.3	1205.1	1269.4	1469.9	1843.5	2284.0	2350.8	2467.1	2345.9
22.5°	1281.8	1281.8	1289.2	1299.1	1331.3	1462.5	1823.7	2405.3	2519.1	2756.7	2615.6
25°	1452.6	1432.8	1437.7	1425.3	1452.6	1551.5	1868.3	2501.8	2657.7	3078.3	2937.3
27.5°	1717.3	1724.8	1680.2	1613.4	1628.3	1712.4	1977.2	2610.7	2801.2	3412.4	3263.9
30°	2083.6	2071.2	2044.0	1912.8	1853.4	1927.7	2177.6	2788.8	2994.2	3835.6	3699.5
32.5°	2370.6	2405.3	2358.2	2266.7	2175.1	2197.4	2459.7	3075.9	3229.3	4224.1	4149.8
35°	2717.1	2717.1	2727.0	2598.3	2536.4	2531.5	2813.6	3387.7	3541.1	4575.4	4627.4
37.5°	3184.7	3152.6	3098.1	2954.6	2907.6	2969.5	3145.2	3709.4	3875.1	4860.0	4998.6
40°	3578.2	3600.5	3593.1	3385.2	3293.6	3360.4	3516.3	3984.0	4112.7	5043.1	5298.0
42.5°	3964.2	3976.6	3944.4	3845.5	3711.8	3716.8	3845.5	4191.9	4323.0	5218.8	5580.1
45°	4253.8	4251.3	4229.0	4204.3	4125.1	4043.4	4065.7	4422.0	4535.9	5275.7	5733.5
47.5°	4345.3	4365.1	4384.9	4454.2	4508.6	4380.0	4266.1	4545.8	4649.7	5265.8	5790.5
50°	4261.2	4303.2	4399.8	4503.7	4689.3	4679.4	4434.4	4679.4	4780.8	5320.3	5857.3
52.5°	4073.1	4115.2	4243.9	4431.9	4711.5	4850.1	4746.2	4904.6	5023.3	5458.9	5995.8
55°	3635.1	3652.4	3917.2	4164.7	4600.2	4775.9	5080.3	5285.6	5384.6	5627.1	6179.0
57.5°	2959.6	3001.6	3261.5	3664.8	4288.4	4580.4	5270.8	5936.5	5934.0	5788.0	6218.6
60°	*1947.5*	*2071.2*	*2494.3*	*2939.8*	*3684.6*	*4196.8*	*5258.4*	*6698.6*	*6775.3*	*5629.6*	*5741.0*
62.5°	1487.2	1539.2	1779.2	2150.4	2727.0	3479.2	5176.8	6926.3	6985.7	5204.0	5025.8
65°	1118.5	1182.8	1413.0	1744.6	1925.2	2358.2	4642.3	6020.6	6102.2	4644.7	3907.3
67.5°	685.5	737.4	1044.3	1432.8	1457.5	1464.9	3132.8	4560.6	4590.3	3746.5	2630.4
70°	457.8	509.8	722.6	1101.2	1160.6	843.8	1719.8	3452.0	3449.5	2563.6	1598.6
72.5°	264.8	289.5	457.8	811.7	913.1	537.0	858.7	2194.9	2098.4	1205.1	747.3
75°	150.9	168.3	252.4	522.1	640.9	341.5	339.0	1175.4	1039.3	621.1	408.3
77.5°	91.6	99.0	138.6	341.5	386.0	230.1	188.1	546.9	527.1	363.8	215.3
80°	44.5	52.0	84.1	200.4	247.5	123.7	113.8	215.3	230.1	200.4	113.8
82.5°	14.8	19.8	47.0	76.7	160.8	49.5	47.0	118.8	126.2	118.8	54.4
85°	7.4	9.9	22.3	24.7	61.9	24.7	17.3	52.0	64.3	39.6	22.3
87.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	4.9	4.9
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°	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1519.4	1514.4	1504.5	1487.2	1484.7	1472.4	1452.6	1440.2	1430.3	1437.7	1440.2
5°	1546.6	1534.2	1504.5	1457.5	1408.0	1358.5	1311.5	1257.1	1220.0	1215.0	1205.1
7.5°	1596.1	1571.3	1507.0	1415.4	1289.2	1170.5	1031.9	898.3	831.4	821.6	799.3
10°	1675.3	1633.2	1526.8	1341.2	1098.7	851.2	640.9	497.4	415.7	400.9	405.8
12.5°	1769.3	1709.9	1529.3	1215.0	836.4	527.1	363.8	309.3	292.0	284.6	284.6
15°	1890.6	1803.9	1526.8	1051.7	564.2	339.0	292.0	269.7	262.3	257.4	257.4
17.5°	2044.0	1930.2	1509.5	806.7	381.1	294.5	267.3	249.9	240.0	237.6	237.6
20°	2224.6	2071.2	1469.9	601.3	319.2	274.7	252.4	230.1	222.7	217.8	217.8
22.5°	2454.8	2241.9	1393.2	467.7	301.9	262.3	237.6	212.8	205.4	200.4	200.4
25°	2722.0	2459.7	1291.7	420.7	299.4	252.4	222.7	198.0	190.5	188.1	185.6
27.5°	3038.8	2692.3	1197.7	423.1	304.4	245.0	207.9	185.6	178.2	170.7	173.2
30°	3412.4	2932.3	1121.0	452.8	309.3	237.6	198.0	178.2	170.7	160.8	160.8
32.5°	3781.1	3214.4	1113.5	507.3	326.6	232.6	188.1	168.3	160.8	153.4	153.4
35°	4159.7	3471.8	1155.6	579.0	361.3	225.2	175.7	158.4	150.9	146.0	143.5
37.5°	4521.0	3677.2	1195.2	623.6	341.5	193.0	160.8	146.0	138.6	128.7	128.7
40°	4761.0	3788.5	1202.6	588.9	282.1	173.2	146.0	131.2	121.3	116.3	113.8
42.5°	4936.7	3860.3	1118.5	477.6	245.0	158.4	133.6	118.8	111.4	106.4	106.4
45°	5008.5	3835.6	975.0	363.8	225.2	146.0	121.3	108.9	103.9	99.0	99.0
47.5°	4998.6	3721.7	829.0	292.0	205.4	133.6	113.8	103.9	99.0	94.0	91.6
50°	4981.3	3615.3	680.5	259.8	183.1	126.2	106.4	99.0	91.6	86.6	84.1
52.5°	5095.1	3580.7	564.2	237.6	170.7	121.3	103.9	94.0	86.6	81.7	81.7
55°	5208.9	3595.5	442.9	222.7	158.4	118.8	101.5	91.6	84.1	76.7	76.7
57.5°	5201.5	3531.2	336.5	207.9	148.5	116.3	99.0	89.1	76.7	71.8	71.8
60°	*4728.9*	*3150.1*	*262.3*	*190.5*	*136.1*	*108.9*	*91.6*	*84.1*	*71.8*	*64.3*	*64.3*
62.5°	3998.9	2477.0	215.3	168.3	121.3	99.0	84.1	76.7	64.3	52.0	52.0
65°	2954.6	1786.6	173.2	146.0	111.4	86.6	76.7	66.8	52.0	42.1	39.6
67.5°	1999.4	1098.7	138.6	121.3	99.0	74.2	64.3	56.9	47.0	34.6	32.2
70°	1185.3	584.0	101.5	84.1	74.2	54.4	54.4	49.5	39.6	29.7	27.2
72.5°	564.2	202.9	74.2	61.9	56.9	39.6	42.1	42.1	32.2	22.3	19.8
75°	287.0	99.0	49.5	44.5	37.1	29.7	34.6	32.2	22.3	14.8	14.8
77.5°	163.3	69.3	34.6	29.7	24.7	19.8	22.3	19.8	12.4	7.4	7.4
80°	91.6	49.5	22.3	19.8	14.8	12.4	12.4	9.9	7.4	2.5	2.5
82.5°	34.6	29.7	14.8	9.9	7.4	7.4	4.9	4.9	2.5	0.0	0.0
85°	14.8	7.4	7.4	4.9	4.9	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°	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1420.4	1425.3	1430.3	1450.1	1455.0	1469.9	1482.3	1497.1	1499.6	1519.4	1519.4
5°	1224.9	1222.4	1264.5	1326.4	1366.0	1420.4	1462.5	1507.0	1531.7	1563.9	1578.8
7.5°	811.7	873.5	967.6	1076.4	1217.5	1348.6	1447.6	1534.2	1593.6	1630.7	1645.6
10°	403.4	438.0	537.0	715.1	955.2	1222.4	1432.8	1593.6	1690.1	1732.2	1759.4
12.5°	284.6	292.0	309.3	405.8	636.0	1014.6	1385.7	1658.0	1791.6	1870.8	1905.4
15°	254.9	259.8	267.3	294.5	393.5	757.2	1301.6	1729.7	1949.9	2041.5	2086.0
17.5°	235.1	237.6	245.0	267.3	309.3	514.7	1165.5	1806.4	2140.5	2251.8	2336.0
20°	217.8	217.8	225.2	252.4	287.0	395.9	970.0	1893.0	2383.0	2543.8	2628.0
22.5°	198.0	202.9	207.9	237.6	279.6	361.3	786.9	1959.8	2652.7	2848.2	2947.2
25°	183.1	188.1	193.0	222.7	272.2	361.3	680.5	2001.9	2954.6	3187.2	3323.3
27.5°	170.7	175.7	183.1	212.8	264.8	376.1	638.4	2014.3	3283.7	3585.6	3768.7
30°	160.8	165.8	173.2	205.4	269.7	393.5	653.3	1997.0	3617.8	3996.4	4214.2
32.5°	150.9	155.9	163.3	198.0	269.7	415.7	702.8	1962.3	3942.0	4407.2	4674.4
35°	143.5	146.0	148.5	178.2	245.0	413.3	764.6	1927.7	4268.6	4813.0	5124.8
37.5°	128.7	131.2	136.1	153.4	195.5	376.1	777.0	1885.6	4526.0	5154.5	5498.5
40°	113.8	118.8	123.7	141.0	163.3	304.4	722.6	1796.5	4662.1	5416.8	5835.0
42.5°	103.9	106.4	111.4	128.7	150.9	242.5	606.3	1640.6	4783.3	5595.0	6080.0
45°	96.5	99.0	103.9	116.3	141.0	210.3	477.6	1450.1	4793.2	5651.9	6198.8
47.5°	89.1	91.6	94.0	106.4	136.1	188.1	366.2	1276.9	4790.7	5726.1	6300.2
50°	84.1	86.6	91.6	101.5	128.7	168.3	301.9	1135.8	4894.7	5887.0	6505.6
52.5°	81.7	81.7	89.1	99.0	121.3	153.4	252.4	1009.6	4949.1	6045.3	6654.1
55°	76.7	79.2	84.1	94.0	113.8	146.0	215.3	851.2	4973.9	6124.5	6681.3
57.5°	71.8	74.2	81.7	89.1	108.9	138.6	185.6	636.0	4620.0	5711.3	6226.0
60°	*64.3*	*69.3*	*79.2*	*86.6*	*101.5*	*126.2*	*163.3*	*430.6*	*3897.4*	*4964.0*	*5394.5*
62.5°	52.0	61.9	71.8	76.7	91.6	106.4	138.6	287.0	3113.0	4107.8	4597.7
65°	39.6	52.0	59.4	66.8	76.7	89.1	116.3	195.5	2076.1	2764.1	3315.9
67.5°	34.6	44.5	49.5	54.4	64.3	76.7	94.0	136.1	1259.5	1660.4	2204.8
70°	27.2	37.1	42.1	39.6	49.5	59.4	66.8	91.6	643.4	900.7	1254.6
72.5°	19.8	29.7	32.2	32.2	29.7	42.1	49.5	64.3	279.6	438.0	569.1
75°	14.8	19.8	22.3	19.8	17.3	27.2	34.6	42.1	183.1	262.3	331.6
77.5°	7.4	7.4	12.4	12.4	7.4	14.8	17.3	24.7	103.9	153.4	190.5
80°	2.5	0.0	0.0	2.5	0.0	4.9	7.4	12.4	54.4	81.7	118.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	27.2	24.7	61.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	14.8
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: P1501885
CATALOG NUMBER: GSS-SB3A-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1531.7	1531.7	1541.6	1556.5	1563.9	1568.9	1571.3	1576.3	1596.1	1591.1
5°	1596.1	1601.0	1608.5	1623.3	1640.6	1635.7	1635.7	1635.7	1648.1	1638.2
7.5°	1680.2	1695.1	1697.5	1714.9	1702.5	1677.7	1662.9	1640.6	1638.2	1638.2
10°	1816.3	1811.4	1811.4	1789.1	1744.6	1672.8	1608.5	1563.9	1539.2	1541.6
12.5°	1962.3	1942.5	1945.0	1863.3	1737.1	1578.8	1447.6	1351.1	1343.7	1336.3
15°	2143.0	2091.0	2081.1	1893.0	1625.8	1383.3	1254.6	1177.9	1153.1	1145.7
17.5°	2400.3	2269.2	2222.1	1841.1	1479.8	1262.0	1165.5	1130.9	1128.4	1125.9
20°	2672.5	2412.7	2323.6	1764.4	1430.3	1264.5	1192.7	1182.8	1177.9	1180.4
22.5°	2989.3	2504.2	2390.4	1776.7	1474.8	1346.2	1289.2	1281.8	1276.9	1281.8
25°	3315.9	2610.7	2469.6	1875.7	1608.5	1497.1	1430.3	1415.4	1430.3	1452.6
27.5°	3645.0	2754.2	2625.5	2071.2	1823.7	1702.5	1638.2	1692.6	1714.9	1717.3
30°	3937.0	2954.6	2835.8	2345.9	2068.7	1947.5	1959.8	2029.1	2056.4	2083.6
32.5°	4204.3	3221.9	3130.3	2657.7	2385.5	2313.7	2306.3	2358.2	2387.9	2370.6
35°	4474.0	3570.8	3481.7	2996.7	2774.0	2714.6	2652.7	2754.2	2744.3	2717.1
37.5°	4728.9	3922.2	3840.5	3360.4	3130.3	3026.4	3016.5	3108.0	3189.7	3184.7
40°	4912.0	4206.7	4107.8	3721.7	3504.0	3414.9	3466.8	3625.2	3605.4	3578.2
42.5°	5080.3	4449.2	4360.2	4038.5	3810.8	3850.4	3897.4	4003.8	3991.5	3964.2
45°	5159.4	4657.1	4580.4	4278.5	4167.1	4293.3	4290.9	4330.5	4263.7	4253.8
47.5°	5270.8	4805.6	4726.4	4493.8	4592.8	4644.7	4498.7	4456.7	4394.8	4345.3
50°	5476.2	5035.7	4956.5	4820.4	4904.6	4743.7	4565.6	4474.0	4347.8	4261.2
52.5°	5716.2	5384.6	5315.3	5260.9	5025.8	4694.2	4466.6	4300.8	4147.4	4073.1
55°	6018.1	5899.3	5849.8	5550.4	4916.9	4491.3	4224.1	3914.7	3704.4	3635.1
57.5°	6117.1	6654.1	6636.8	5597.4	4612.6	4122.6	3640.1	3221.9	3004.1	2959.6
60°	5825.1	7245.5	7183.6	5518.3	4060.7	3345.6	2781.4	2353.3	1999.4	1947.5
62.5°	5451.4	6792.6	6770.4	5119.8	3093.2	2397.8	2078.6	1677.7	1526.8	1487.2
65°	4669.5	5557.8	5567.7	4107.8	1957.4	1722.3	1707.4	1333.8	1148.2	1118.5
67.5°	3595.5	4263.7	4194.4	2583.4	1140.8	1378.3	1363.5	975.0	705.2	685.5
70°	2100.9	3174.9	3063.5	1343.7	754.7	1150.7	1049.2	685.5	480.1	457.8
72.5°	928.0	1747.0	1875.7	591.4	532.0	915.6	757.2	420.7	269.7	264.8
75°	514.7	866.1	905.7	257.4	373.7	650.8	457.8	235.1	153.4	150.9
77.5°	309.3	383.6	373.7	165.8	279.6	415.7	277.1	133.6	96.5	91.6
80°	173.2	175.7	148.5	121.3	165.8	232.6	155.9	84.1	44.5	44.5
82.5°	106.4	96.5	76.7	37.1	44.5	141.0	56.9	47.0	14.8	14.8
85°	44.5	29.7	19.8	7.4	17.3	37.1	19.8	22.3	7.4	7.4
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

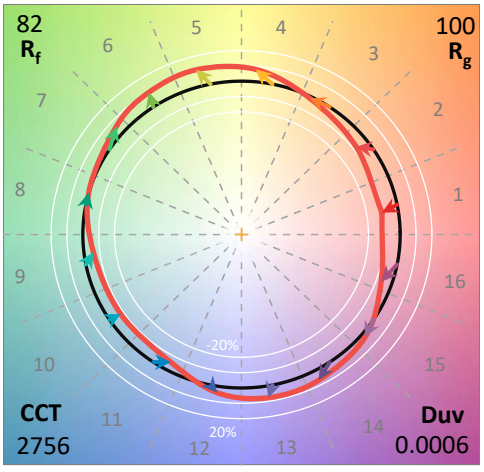
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

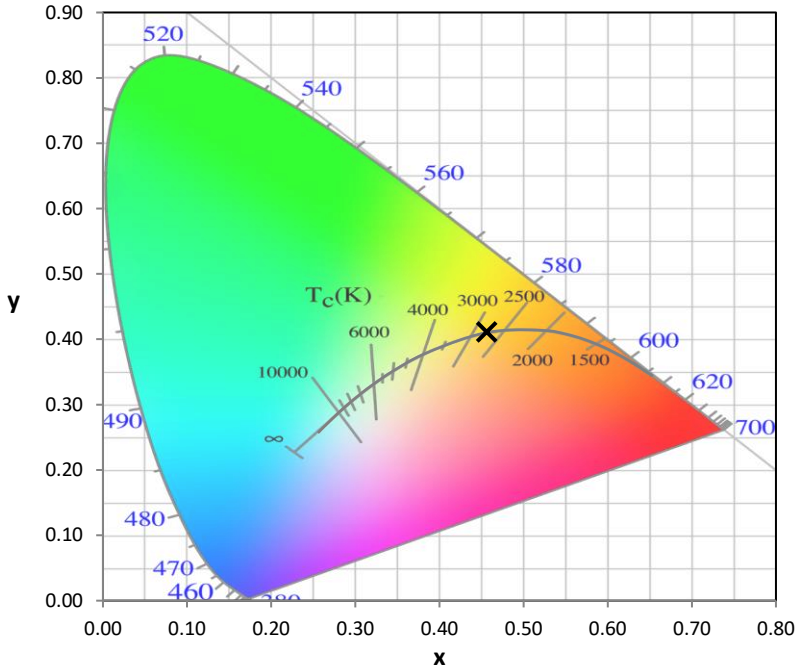
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

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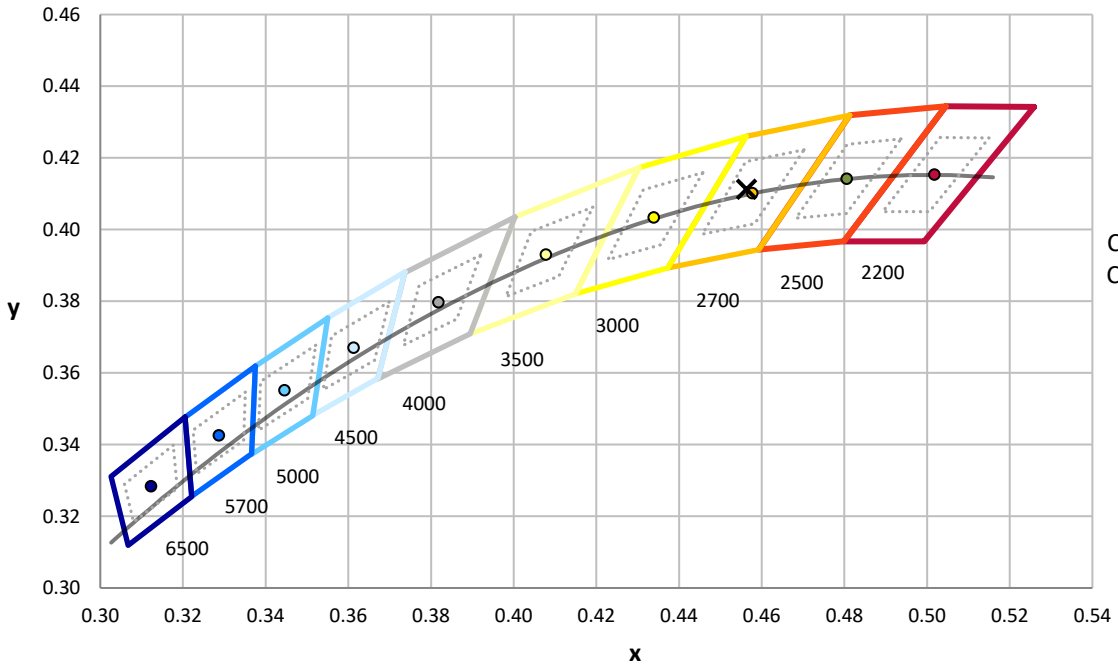
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

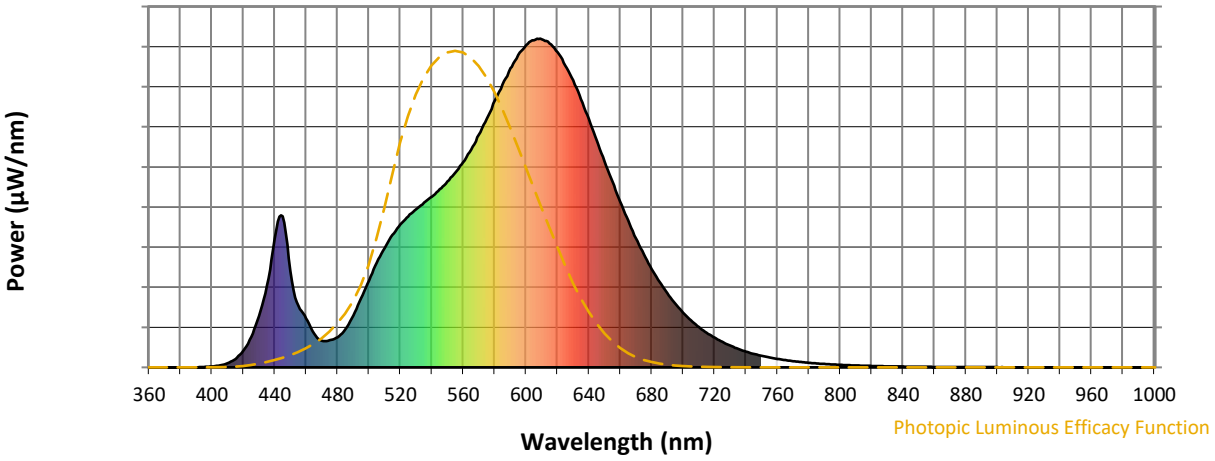


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

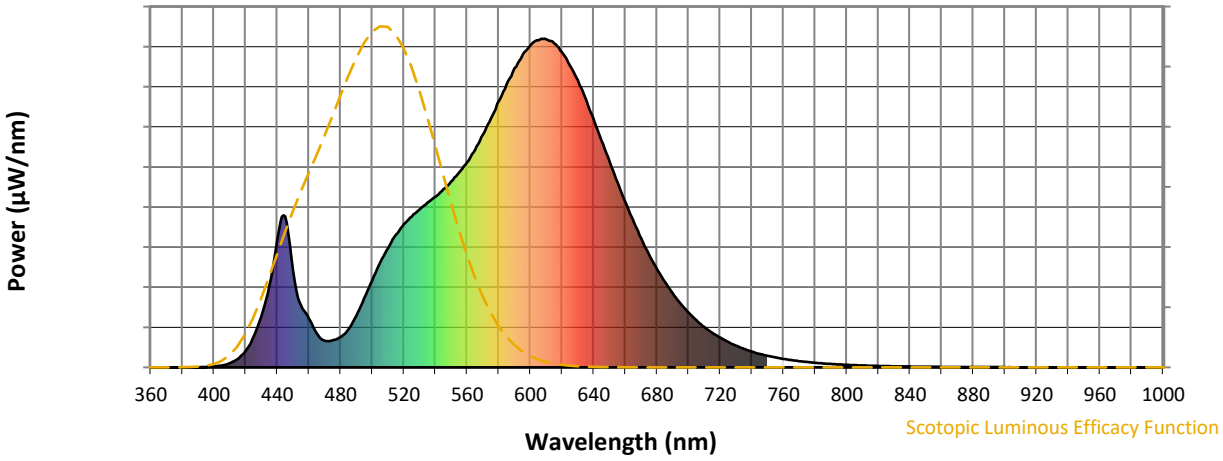


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

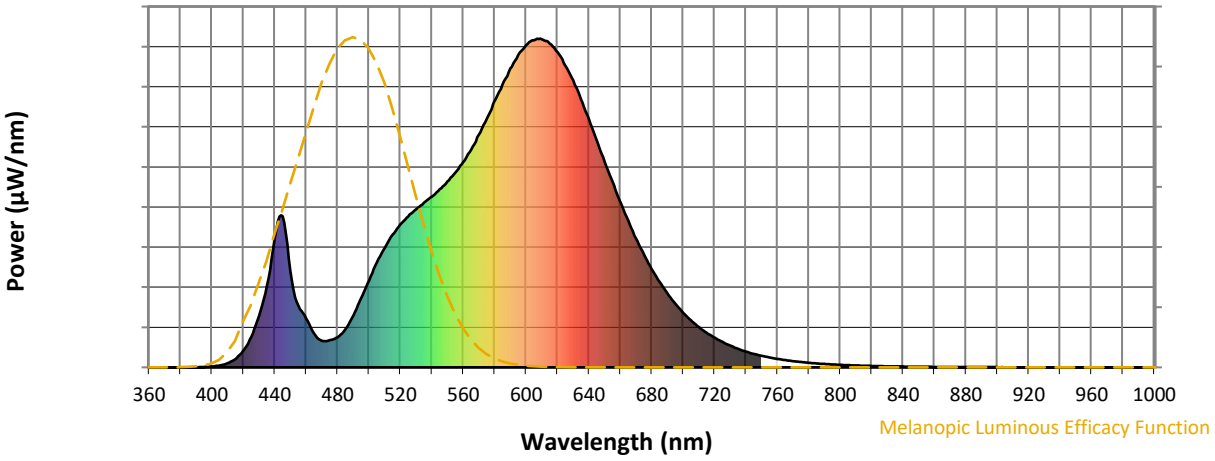


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

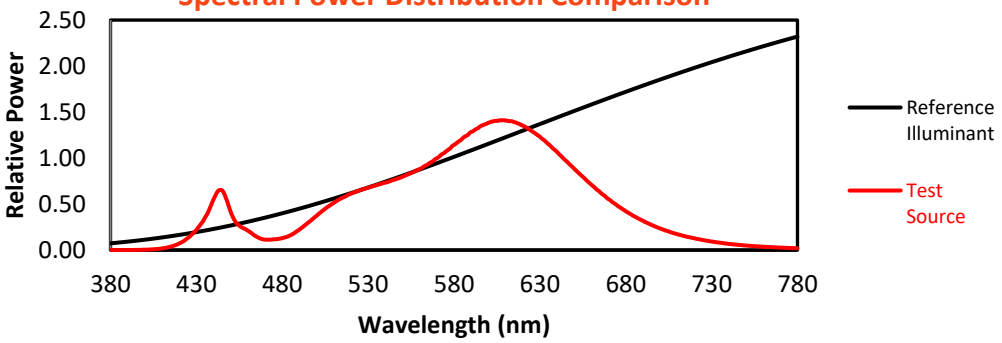
REPORT NUMBER: SP1-2407-184-8

TM-30-18

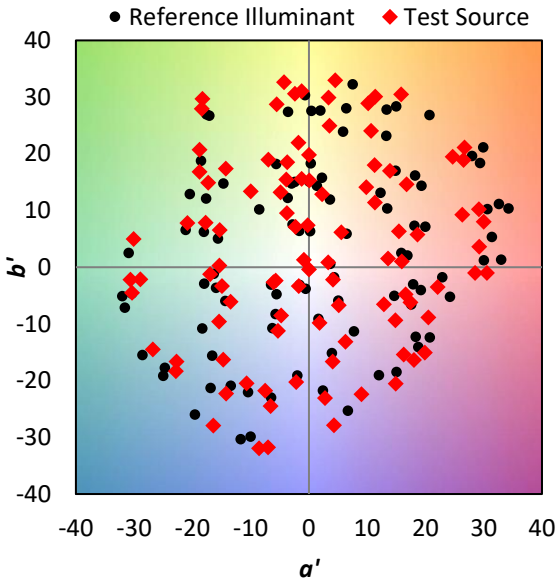
Summary

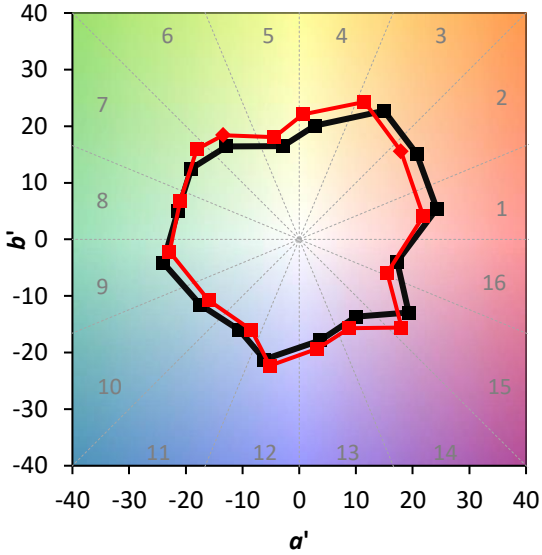
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

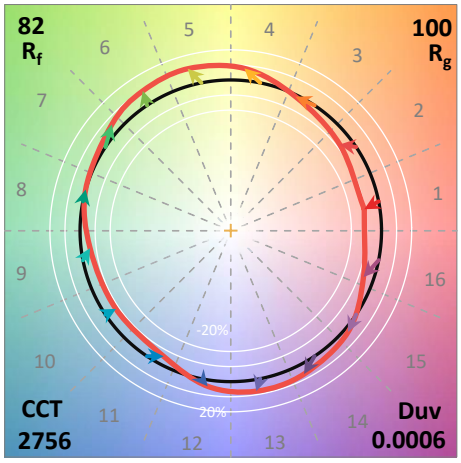
Spectral Power Distribution Comparison

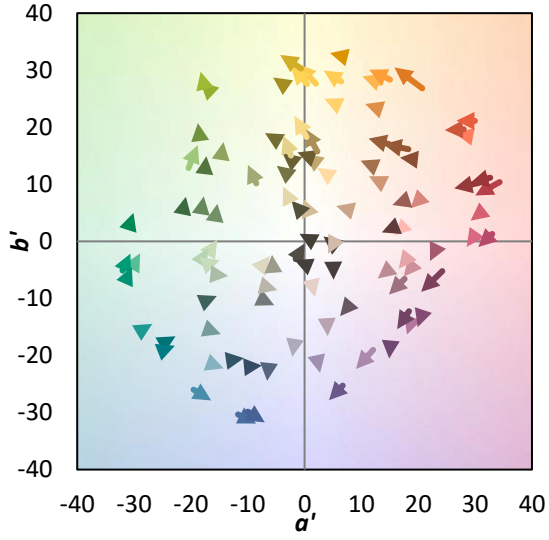


Color Vector Graphics







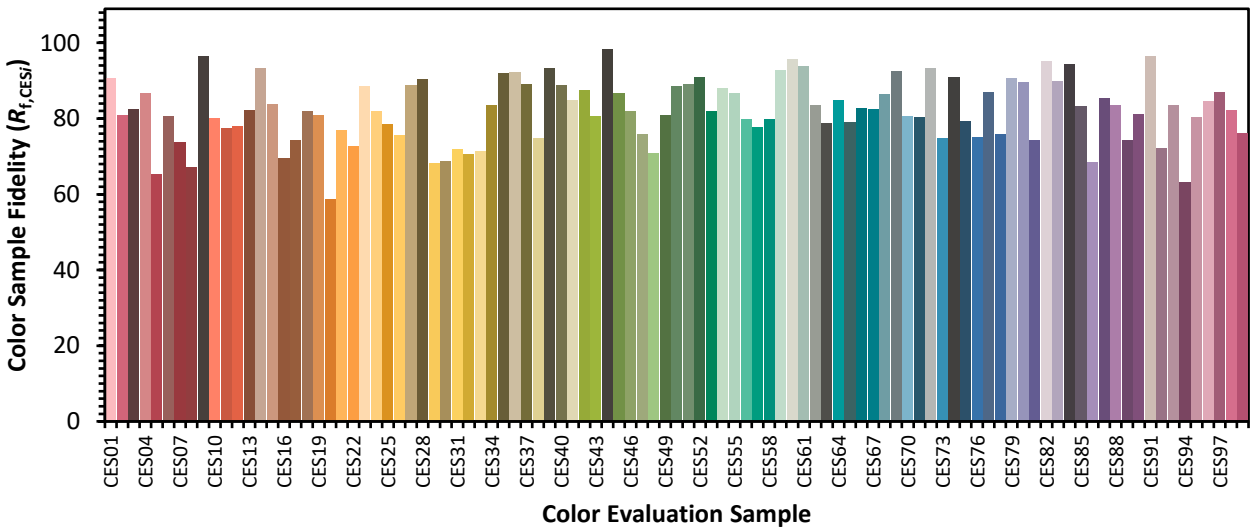


REPORT NUMBER: SP1-2407-184-8

TM-30-18

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

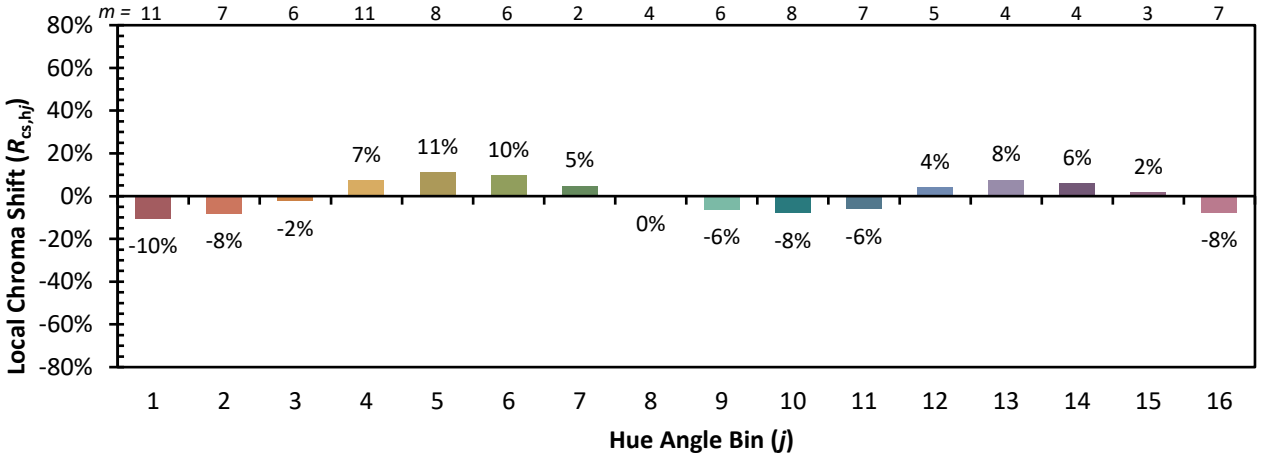
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

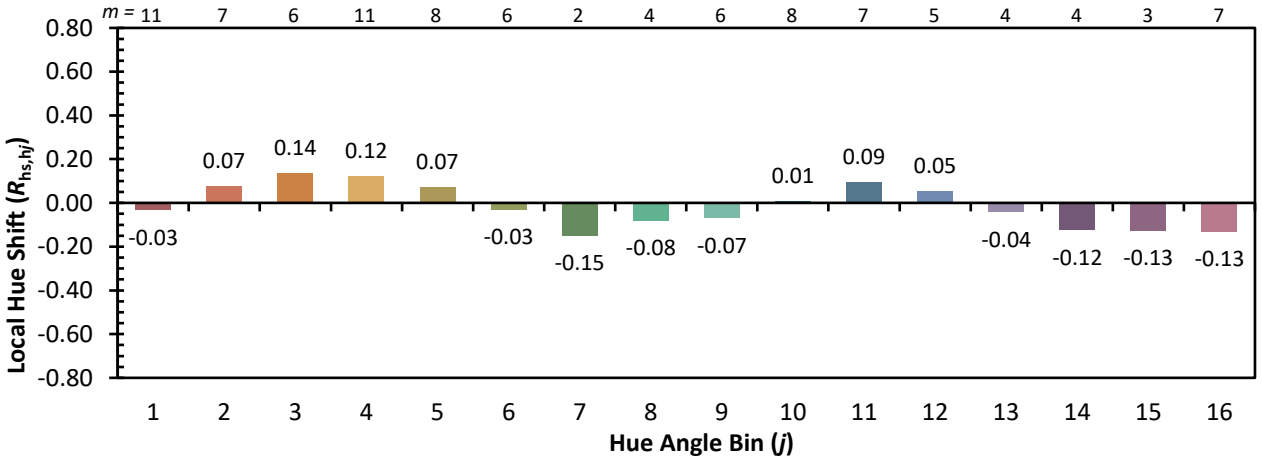


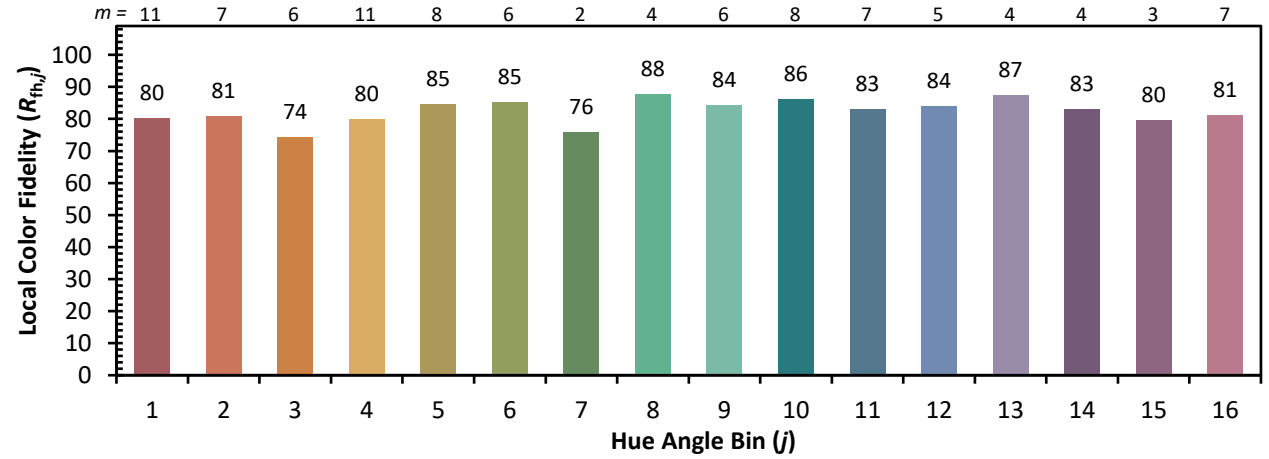
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Color Rendition by Hue-Angle Bin



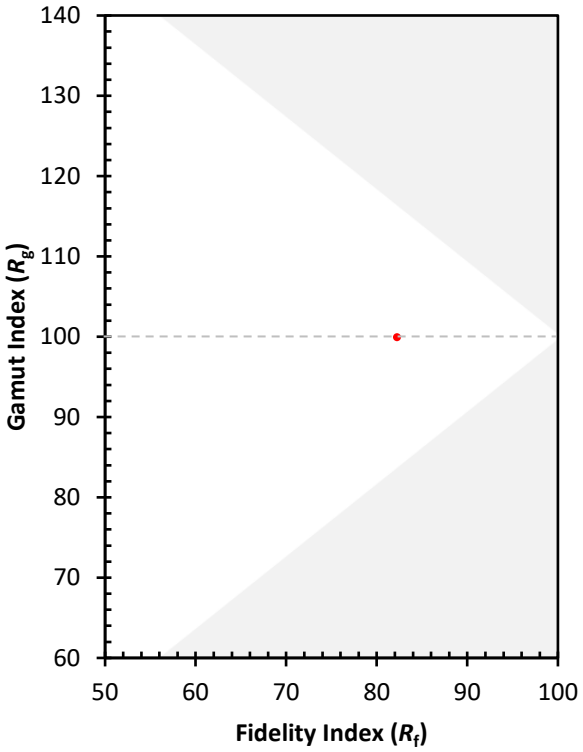


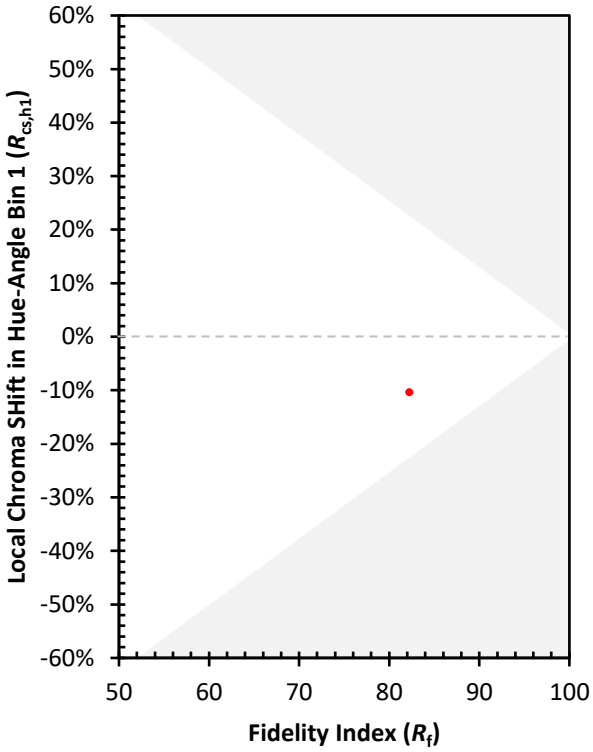


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Measure Comparisons





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