Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1365274

Luminaire Tested: **GSS-SB1D-740-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365274
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7441.3 lumens
Efficiency:	N/A
Efficacy:	97.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

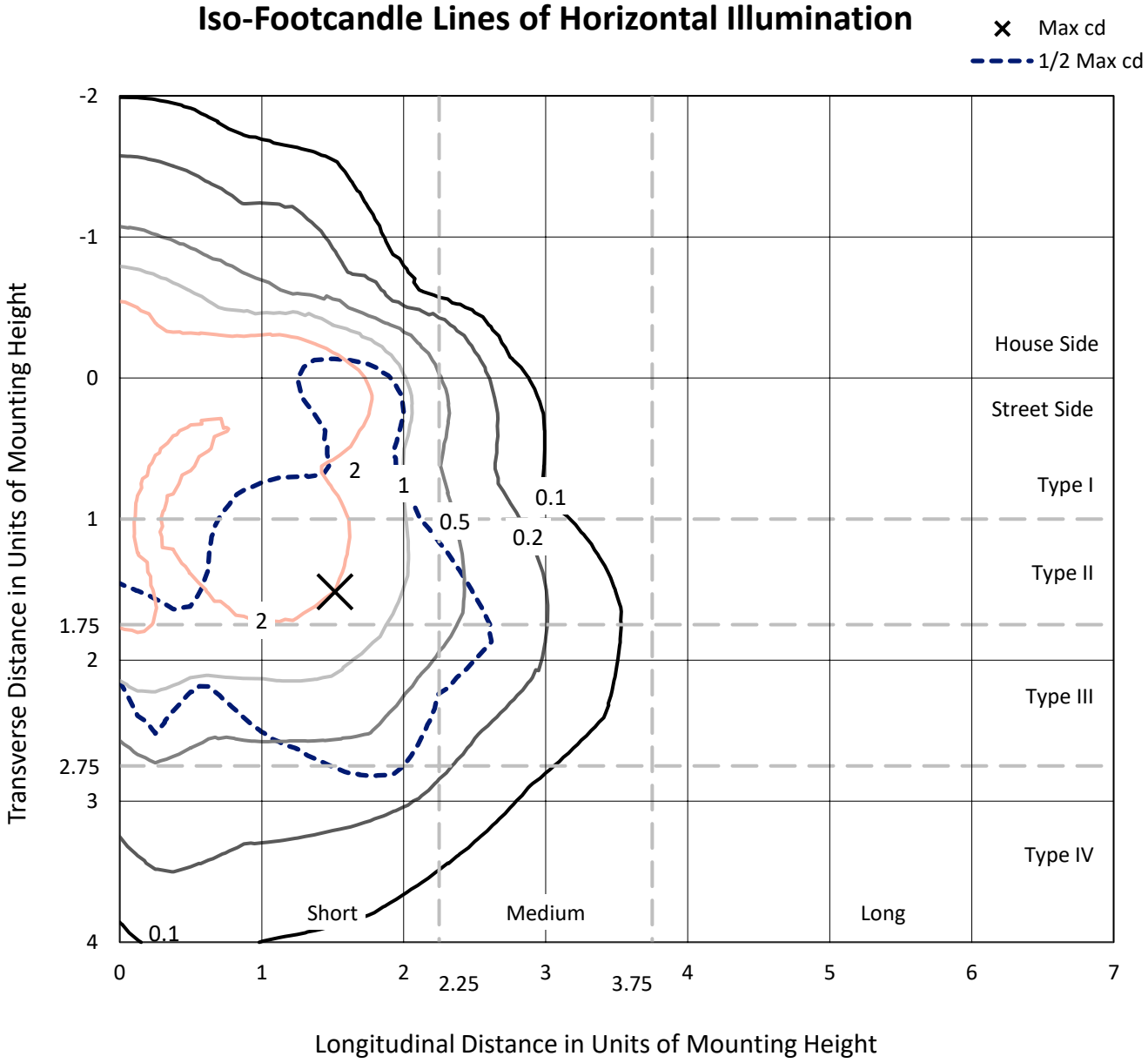
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



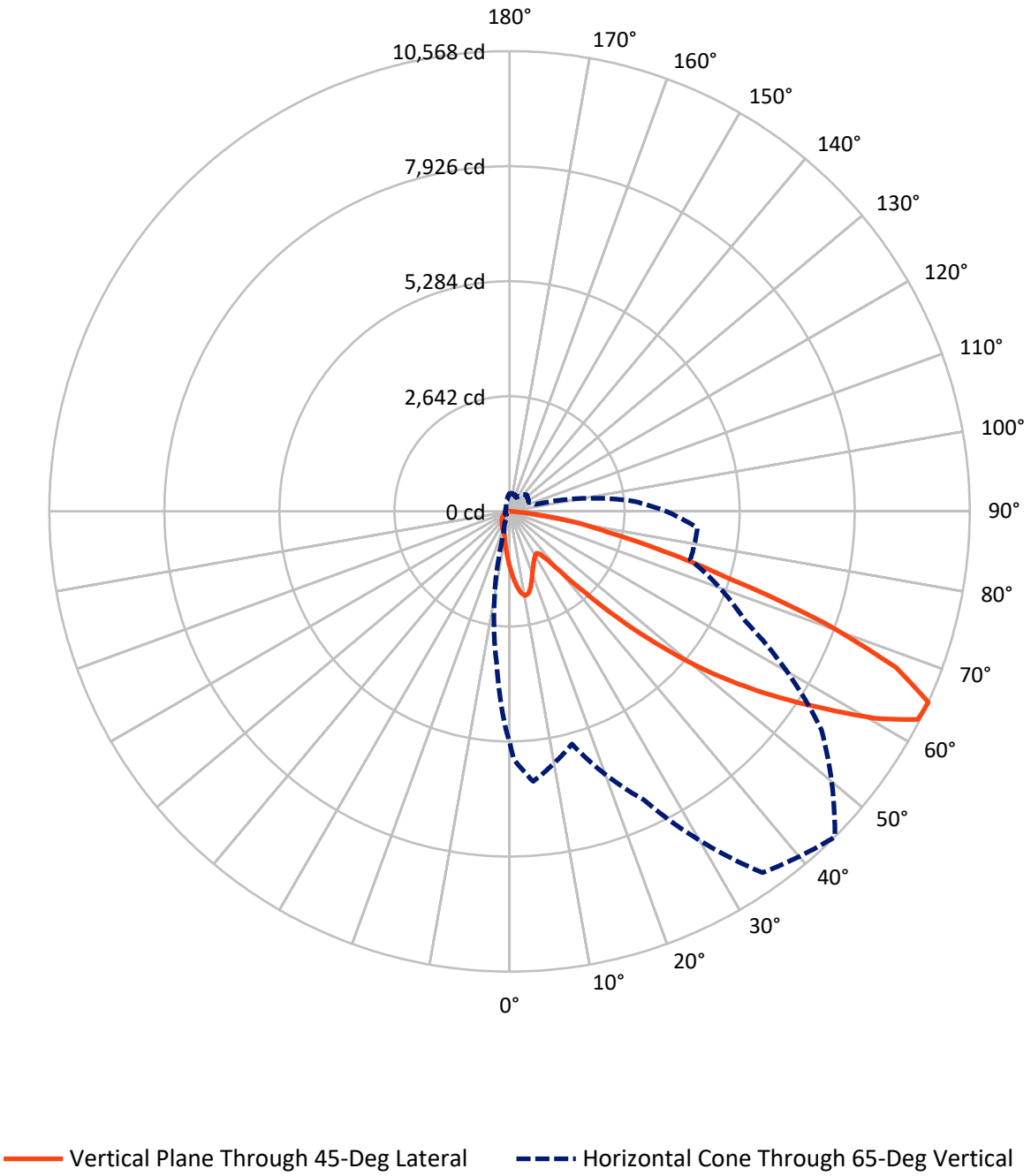
Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
Type III - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

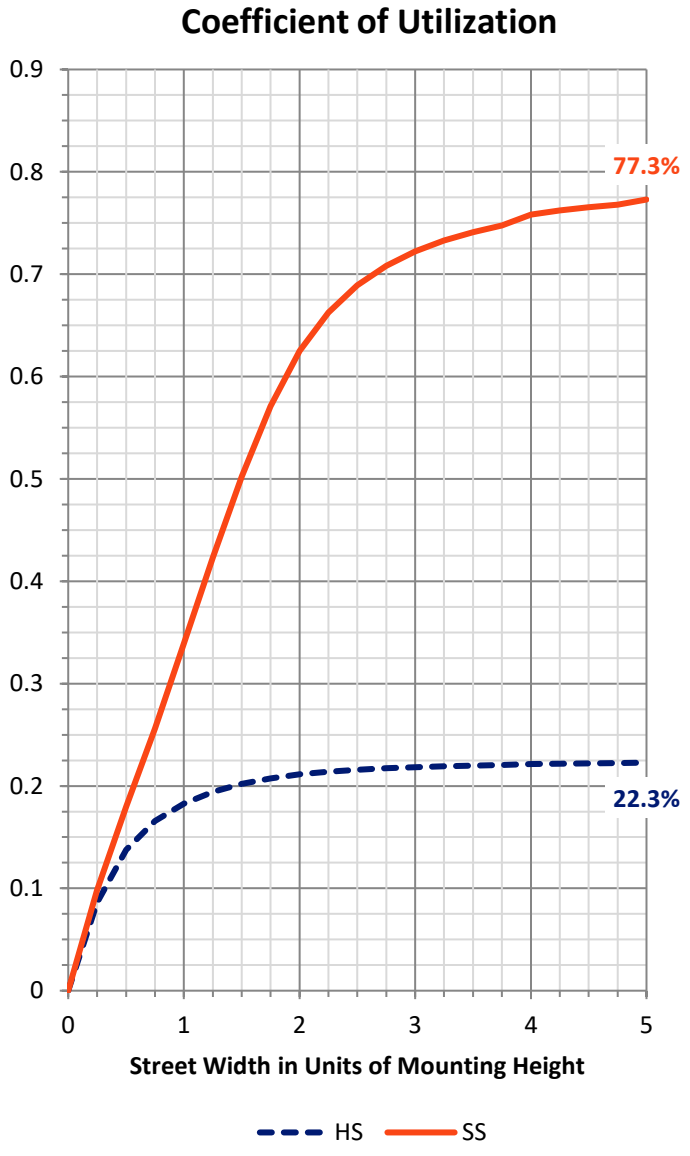
REPORT NUMBER: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1673.9	0.0	1673.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5767.4	0.0	5767.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	7441.3	0.0	7441.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	1.7
10°-20°	341.7	4.6
20°-30°	489.4	6.6
30°-40°	613.9	8.3
40°-50°	1008.5	13.6
50°-60°	1820.8	24.5
60°-70°	2021.4	27.2
70°-80°	913.7	12.3
80°-90°	108.1	1.5
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°	7441.3	100.0
0°-180°	7441.3	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

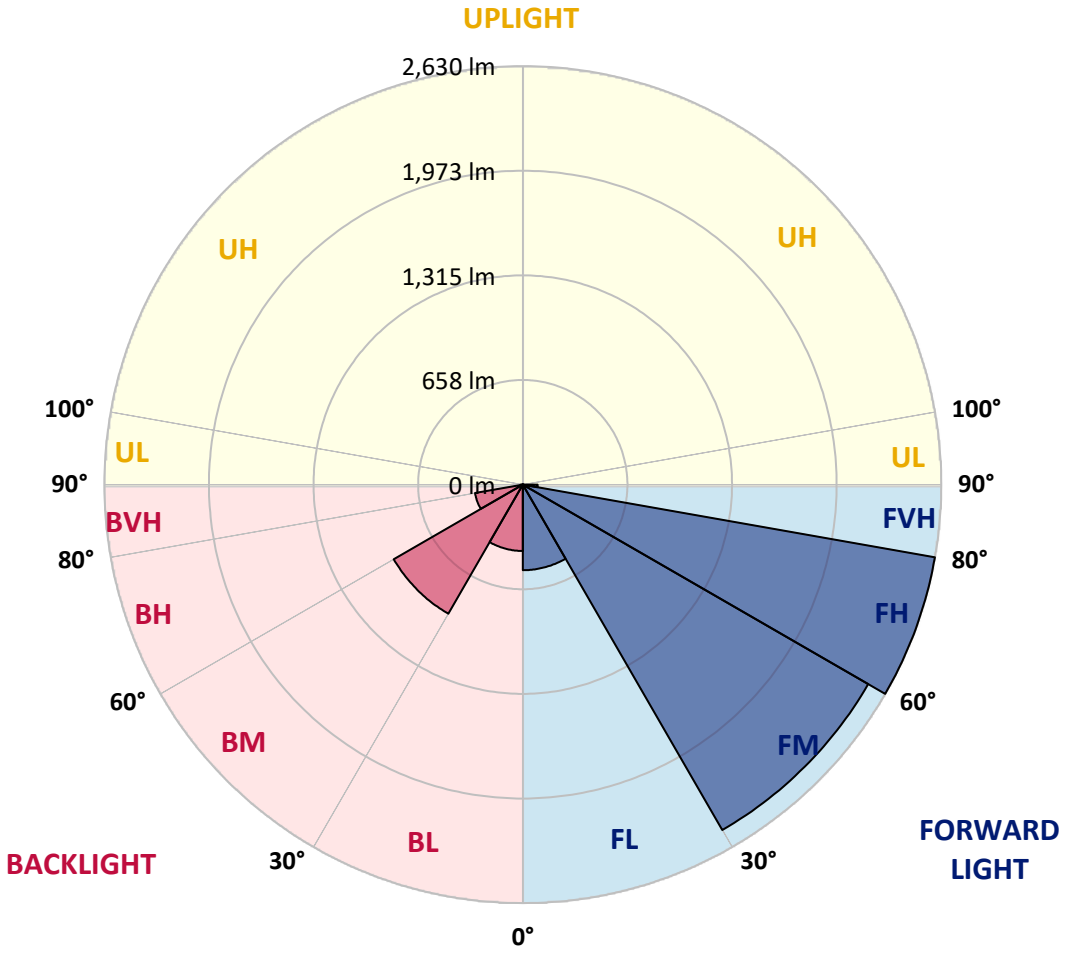
Scaled Data Report

REPORT NUMBER: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	537.6	7.2			
FM	(30°-60°)	2506.7	33.7			
FH	(60°-80°)	2630.3	35.3			G2/5000
FVH	(80°-90°)	92.9	1.2			G1/100
BL	(0°-30°)	417.1	5.6	B1/500		
BM	(30°-60°)	936.6	12.6	B1/1000		
BH	(60°-80°)	304.9	4.1	B1/500		G1/500
BVH	(80°-90°)	15.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6
2.5°	1415.7	1434.0	1431.7	1456.8	1479.7	1495.6	1509.3	1504.8	1493.4	1470.5	1454.5
5°	1564.1	1577.8	1600.7	1648.6	1685.2	1717.1	1712.6	1717.1	1682.9	1648.6	1607.5
7.5°	1692.0	1708.0	1740.0	1808.5	1854.1	1893.0	1888.4	1874.7	1835.9	1778.8	1717.1
10°	1771.9	1783.4	1817.6	1895.2	1947.8	1979.7	1968.3	1945.5	1895.2	1838.2	1765.1
12.5°	1806.2	1819.9	1849.6	1911.2	1945.5	1938.6	1934.1	1929.5	1904.4	1861.0	1794.8
15°	1810.8	1819.9	1842.7	1870.1	1856.4	1817.6	1808.5	1842.7	1874.7	1865.6	1810.8
17.5°	1810.8	1824.5	1829.0	1801.6	1730.8	1660.0	1650.9	1708.0	1797.1	1867.8	1835.9
20°	1817.6	1824.5	1815.3	1726.3	1593.8	1516.2	1500.2	1571.0	1703.4	1842.7	1861.0
22.5°	1826.7	1833.6	1794.8	1637.2	1481.9	1399.7	1390.6	1443.1	1598.4	1806.2	1888.4
25°	1845.0	1840.4	1781.1	1559.6	1383.8	1306.1	1292.4	1360.9	1511.6	1769.7	1934.1
27.5°	1867.8	1847.3	1762.8	1495.6	1313.0	1230.8	1221.6	1287.8	1438.6	1724.0	1972.9
30°	1897.5	1877.0	1760.5	1445.4	1260.4	1178.2	1166.8	1239.9	1388.3	1692.0	2027.7
32.5°	1938.6	1908.9	1762.8	1406.6	1230.8	1153.1	1146.3	1223.9	1367.8	1673.7	2084.8
35°	1993.4	1950.0	1771.9	1392.9	1239.9	1187.4	1203.4	1262.7	1388.3	1687.4	2178.4
37.5°	2061.9	2020.8	1817.6	1422.6	1340.4	1376.9	1418.0	1440.8	1486.5	1751.4	2329.1
40°	2176.1	2119.0	1886.1	1518.5	1609.8	1781.1	1861.0	1851.9	1746.8	1897.5	2541.4
42.5°	2335.9	2283.4	2025.4	1762.8	2059.6	2422.7	2557.4	2479.8	2162.4	2130.4	2890.8
45°	2580.3	2493.5	2212.6	2125.9	2603.1	3199.1	3502.8	3235.6	2689.9	2498.1	3388.6
47.5°	2893.1	2806.3	2504.9	2488.9	3210.5	4158.1	4518.9	3993.7	3212.8	2979.9	3984.6
50°	3395.4	3299.5	2934.2	2858.8	3881.8	5114.9	5596.7	4749.5	3744.8	3491.3	4719.8
52.5°	4085.0	4021.1	3614.7	3240.2	4482.4	6169.8	6585.4	5539.6	4155.8	4075.9	5521.3
55°	5046.4	4984.7	4500.6	3664.9	5050.9	7227.0	7562.7	6258.9	4514.3	4760.9	6359.3
57.5°	6135.5	6238.3	5713.1	4231.2	5649.2	8078.7	8546.8	6911.9	4998.4	5676.6	7291.0
60°	6845.7	7169.9	7103.7	5219.9	6578.5	9138.2	9647.4	7786.5	5706.3	6350.2	7270.4
62.5°	6229.2	6553.4	7060.3	6366.2	7473.6	10097.3	10526.6	8706.7	6409.6	5813.6	6105.9
65°	5286.1	5690.3	6224.6	5530.4	7316.1	10127.0	10567.7	8740.9	5980.3	4297.4	4329.4
67.5°	4555.4	4913.9	5571.5	4706.1	6484.9	9222.7	9569.8	7797.9	4943.6	2849.7	2824.6
70°	3801.9	4130.7	4961.9	4190.1	5681.1	7948.6	7649.5	6555.7	4178.7	1893.0	1568.7
72.5°	3240.2	3543.9	4409.3	3765.4	4507.5	6441.5	5272.4	5439.1	3400.0	1203.4	1068.6
75°	2680.7	2959.3	3749.4	3409.1	3728.8	4018.8	3644.3	3863.5	2801.8	1020.7	824.3
77.5°	1881.5	2055.1	2630.5	2712.7	2902.2	2379.3	2310.8	2705.9	1993.4	506.9	347.1
80°	927.1	1034.4	1372.3	1614.4	1372.3	1349.5	1539.0	1801.6	1034.4	310.5	191.8
82.5°	415.6	493.2	632.5	977.3	495.5	538.9	680.5	959.0	470.4	185.0	82.2
85°	66.2	73.1	123.3	164.4	134.7	207.8	198.7	187.2	100.5	50.2	22.8
87.5°	2.3	2.3	2.3	4.6	6.9	9.1	11.4	11.4	11.4	11.4	11.4
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: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6
2.5°	1450.0	1443.1	1408.9	1374.6	1344.9	1315.2	1285.6	1244.5	1212.5	1185.1	1173.7
5°	1587.0	1550.4	1497.9	1440.8	1390.6	1333.5	1278.7	1217.1	1166.8	1114.3	1086.9
7.5°	1680.6	1644.1	1557.3	1470.5	1408.9	1347.2	1290.1	1221.6	1155.4	1080.1	1039.0
10°	1724.0	1682.9	1589.3	1488.8	1413.4	1351.8	1299.3	1242.2	1176.0	1082.3	1027.5
12.5°	1753.7	1703.4	1596.1	1493.4	1418.0	1354.1	1303.8	1262.7	1223.9	1132.6	1068.6
15°	1771.9	1726.3	1614.4	1495.6	1411.2	1335.8	1287.8	1274.1	1281.0	1237.6	1160.0
17.5°	1799.3	1755.9	1637.2	1509.3	1399.7	1297.0	1244.5	1274.1	1335.8	1349.5	1287.8
20°	1835.9	1790.2	1666.9	1520.8	1365.5	1223.9	1173.7	1249.0	1351.8	1422.6	1388.3
22.5°	1877.0	1840.4	1701.1	1532.2	1315.2	1128.0	1105.2	1196.5	1306.1	1397.5	1399.7
25°	1927.2	1893.0	1749.1	1543.6	1246.7	1045.8	1050.4	1128.0	1214.8	1308.4	1324.4
27.5°	1995.7	1963.7	1808.5	1557.3	1176.0	979.6	1002.4	1059.5	1118.9	1176.0	1198.8
30°	2071.1	2045.9	1879.3	1584.7	1109.7	940.8	954.5	993.3	1041.2	1075.5	1086.9
32.5°	2173.8	2132.7	1945.5	1582.4	1059.5	922.5	908.8	920.2	959.0	993.3	995.6
35°	2301.7	2269.7	2014.0	1541.3	1013.8	913.4	865.4	858.6	881.4	915.7	913.4
37.5°	2488.9	2461.5	2125.9	1477.4	956.8	890.5	819.7	796.9	812.9	835.7	842.6
40°	2769.8	2699.0	2253.7	1406.6	899.7	849.4	764.9	733.0	744.4	769.5	774.1
42.5°	3151.1	3016.4	2425.0	1310.7	844.9	787.8	710.1	675.9	682.7	705.6	710.1
45°	3639.8	3436.5	2660.2	1210.2	801.5	723.8	653.1	616.5	623.4	648.5	659.9
47.5°	4210.6	3932.0	2906.8	1102.9	776.4	673.6	596.0	568.6	584.6	609.7	614.2
50°	4884.2	4603.4	3064.3	1016.1	760.4	634.8	543.5	532.0	552.6	573.1	577.7
52.5°	5619.5	5219.9	2963.9	945.3	746.7	621.1	506.9	511.5	527.5	548.0	554.9
55°	6334.2	5446.0	2630.5	854.0	730.7	630.2	479.5	490.9	511.5	527.5	532.0
57.5°	6800.0	5256.4	2119.0	758.1	712.4	637.1	465.8	475.0	497.8	516.1	518.3
60°	6393.6	4840.8	1587.0	675.9	673.6	625.7	461.3	447.6	479.5	495.5	497.8
62.5°	5238.2	3959.4	1013.8	598.3	600.5	600.5	459.0	401.9	443.0	456.7	454.4
65°	*3598.7*	*2799.5*	*627.9*	*488.7*	*511.5*	*545.7*	*445.3*	*353.9*	*401.9*	*415.6*	*411.0*
67.5°	2365.6	1778.8	388.2	376.8	420.1	472.7	417.9	317.4	360.8	369.9	356.2
70°	1283.3	838.0	255.7	246.6	328.8	372.2	353.9	285.4	322.0	331.1	317.4
72.5°	847.1	481.8	180.4	180.4	258.0	260.3	290.0	255.7	285.4	294.6	280.9
75°	637.1	310.5	125.6	139.3	164.4	203.2	207.8	214.6	242.0	253.5	239.8
77.5°	292.3	114.2	75.4	102.8	114.2	155.3	132.4	159.8	180.4	185.0	173.5
80°	169.0	63.9	50.2	66.2	73.1	127.9	77.6	95.9	127.9	134.7	121.0
82.5°	70.8	32.0	34.3	41.1	43.4	70.8	54.8	61.7	84.5	82.2	73.1
85°	20.6	20.6	22.8	25.1	25.1	41.1	38.8	36.5	38.8	38.8	32.0
87.5°	13.7	13.7	13.7	16.0	16.0	18.3	20.6	22.8	22.8	22.8	20.6
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: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6
2.5°	1157.7	1137.1	1107.5	1102.9	1086.9	1075.5	1086.9	1098.3	1118.9	1121.2	1130.3
5°	1061.8	1013.8	977.3	936.2	915.7	913.4	908.8	922.5	952.2	970.5	984.2
7.5°	997.9	911.1	847.1	790.1	769.5	753.5	767.2	764.9	803.8	819.7	833.4
10°	963.6	842.6	746.7	675.9	648.5	632.5	630.2	634.8	657.6	673.6	689.6
12.5°	986.4	815.2	673.6	591.4	561.7	543.5	527.5	527.5	532.0	552.6	559.4
15°	1061.8	831.2	639.4	550.3	511.5	481.8	461.3	445.3	447.6	449.8	456.7
17.5°	1171.4	872.3	627.9	525.2	484.1	447.6	427.0	408.7	404.2	404.2	401.9
20°	1276.4	904.2	618.8	504.6	452.1	420.1	401.9	385.9	379.0	379.0	379.0
22.5°	1319.8	931.6	607.4	479.5	420.1	390.5	374.5	363.1	360.8	360.8	358.5
25°	1285.6	922.5	593.7	454.4	390.5	367.6	353.9	342.5	340.2	342.5	340.2
27.5°	1178.2	890.5	575.4	433.8	367.6	347.1	335.7	324.2	322.0	324.2	324.2
30°	1064.1	835.7	545.7	417.9	349.4	326.5	315.1	303.7	303.7	306.0	308.3
32.5°	972.7	780.9	511.5	397.3	328.8	308.3	296.8	285.4	285.4	290.0	290.0
35°	895.1	737.5	477.2	376.8	310.5	287.7	278.6	269.4	267.2	271.7	274.0
37.5°	833.4	698.7	440.7	356.2	292.3	271.7	262.6	251.2	248.9	253.5	258.0
40°	769.5	655.3	408.7	331.1	274.0	253.5	244.3	230.6	230.6	235.2	239.8
42.5°	707.9	616.5	388.2	308.3	255.7	232.9	223.8	212.4	212.4	216.9	221.5
45°	657.6	580.0	376.8	285.4	235.2	214.6	203.2	194.1	196.4	200.9	205.5
47.5°	609.7	541.2	379.0	274.0	221.5	194.1	182.7	175.8	180.4	187.2	191.8
50°	573.1	513.8	381.3	255.7	203.2	178.1	166.7	162.1	169.0	175.8	180.4
52.5°	550.3	486.4	367.6	232.9	189.5	162.1	155.3	155.3	162.1	166.7	171.3
55°	527.5	440.7	337.9	207.8	175.8	150.7	146.1	146.1	153.0	157.6	159.8
57.5°	509.2	392.7	303.7	187.2	159.8	139.3	139.3	139.3	141.6	143.9	148.4
60°	475.0	342.5	260.3	171.3	143.9	130.2	127.9	127.9	125.6	127.9	134.7
62.5°	415.6	287.7	221.5	153.0	130.2	118.7	116.5	109.6	102.8	105.0	109.6
65°	*351.6*	*228.3*	*185.0*	*132.4*	*111.9*	*105.0*	*102.8*	*91.3*	*82.2*	*84.5*	*91.3*
67.5°	280.9	171.3	155.3	114.2	95.9	89.1	89.1	82.2	75.4	75.4	79.9
70°	219.2	143.9	116.5	91.3	75.4	75.4	79.9	73.1	63.9	63.9	70.8
72.5°	178.1	116.5	93.6	70.8	59.4	63.9	66.2	59.4	52.5	52.5	57.1
75°	139.3	91.3	73.1	52.5	45.7	48.0	52.5	48.0	41.1	43.4	45.7
77.5°	95.9	61.7	48.0	38.8	34.3	36.5	36.5	34.3	32.0	32.0	34.3
80°	63.9	41.1	32.0	27.4	25.1	25.1	22.8	22.8	25.1	25.1	27.4
82.5°	45.7	29.7	25.1	20.6	16.0	16.0	18.3	18.3	20.6	20.6	22.8
85°	27.4	20.6	18.3	13.7	11.4	13.7	13.7	16.0	18.3	18.3	20.6
87.5°	20.6	16.0	13.7	11.4	9.1	9.1	11.4	11.4	13.7	16.0	16.0
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: P1365274
CATALOG NUMBER: GSS-SB1D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6
2.5°	1153.1	1180.5	1219.3	1253.6	1294.7	1335.8	1374.6	1411.2	1413.4	1415.7
5°	1027.5	1082.3	1146.3	1223.9	1306.1	1386.0	1470.5	1539.0	1555.0	1564.1
7.5°	888.3	968.2	1066.4	1176.0	1299.3	1422.6	1541.3	1644.1	1682.9	1692.0
10°	742.1	840.3	959.0	1100.6	1267.3	1431.7	1591.5	1717.1	1762.8	1771.9
12.5°	612.0	691.9	828.9	1000.1	1201.1	1418.0	1609.8	1749.1	1794.8	1806.2
15°	500.1	575.4	703.3	883.7	1109.7	1370.1	1596.1	1755.9	1801.6	1810.8
17.5°	413.3	461.3	577.7	774.1	1027.5	1308.4	1577.8	1760.5	1803.9	1810.8
20°	379.0	388.2	449.8	641.6	940.8	1262.7	1566.4	1767.4	1810.8	1817.6
22.5°	363.1	363.1	376.8	488.7	819.7	1214.8	1561.9	1787.9	1819.9	1826.7
25°	347.1	347.1	351.6	383.6	675.9	1155.4	1571.0	1824.5	1845.0	1845.0
27.5°	331.1	331.1	335.7	342.5	502.4	1057.2	1573.3	1865.6	1874.7	1867.8
30°	315.1	319.7	319.7	324.2	369.9	933.9	1559.6	1911.2	1911.2	1897.5
32.5°	299.1	301.4	306.0	308.3	322.0	774.1	1536.7	1968.3	1956.9	1938.6
35°	285.4	287.7	287.7	292.3	306.0	618.8	1511.6	2045.9	2014.0	1993.4
37.5°	267.2	269.4	271.7	276.3	290.0	490.9	1475.1	2112.2	2089.3	2061.9
40°	251.2	253.5	255.7	260.3	274.0	422.4	1429.4	2212.6	2208.1	2176.1
42.5°	232.9	237.5	239.8	242.0	260.3	385.9	1397.5	2374.8	2374.8	2335.9
45°	216.9	221.5	221.5	226.1	251.2	353.9	1468.2	2598.5	2616.8	2580.3
47.5°	203.2	205.5	205.5	207.8	237.5	326.5	1657.8	2941.0	2918.2	2893.1
50°	189.5	194.1	189.5	191.8	226.1	342.5	1970.6	3379.5	3438.8	3395.4
52.5°	180.4	182.7	173.5	173.5	210.1	363.1	2226.3	3938.9	4137.6	4085.0
55°	169.0	171.3	159.8	159.8	185.0	315.1	2242.3	4576.0	5012.1	5046.4
57.5°	157.6	157.6	148.4	146.1	159.8	255.7	1988.9	5069.2	6057.9	6135.5
60°	143.9	141.6	137.0	132.4	146.1	235.2	1516.2	5003.0	6576.2	6845.7
62.5°	123.3	127.9	125.6	116.5	132.4	219.2	988.7	4329.4	5991.7	6229.2
65°	*102.8*	*109.6*	*109.6*	*102.8*	*146.1*	*191.8*	*520.6*	*3466.2*	*5000.7*	*5286.1*
67.5°	91.3	95.9	93.6	89.1	130.2	121.0	251.2	2657.9	4281.4	4555.4
70°	79.9	84.5	77.6	73.1	105.0	86.8	148.4	1778.8	3534.7	3801.9
72.5°	66.2	70.8	63.9	57.1	77.6	66.2	98.2	1157.7	2943.3	3240.2
75°	54.8	57.1	52.5	45.7	57.1	52.5	68.5	755.8	2461.5	2680.7
77.5°	38.8	43.4	41.1	34.3	41.1	36.5	48.0	431.6	1717.1	1881.5
80°	29.7	29.7	29.7	27.4	25.1	25.1	32.0	194.1	833.4	927.1
82.5°	25.1	25.1	22.8	20.6	18.3	16.0	18.3	57.1	392.7	415.6
85°	22.8	18.3	16.0	13.7	11.4	6.9	6.9	16.0	79.9	66.2
87.5°	13.7	11.4	9.1	4.6	2.3	2.3	0.0	2.3	2.3	2.3
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

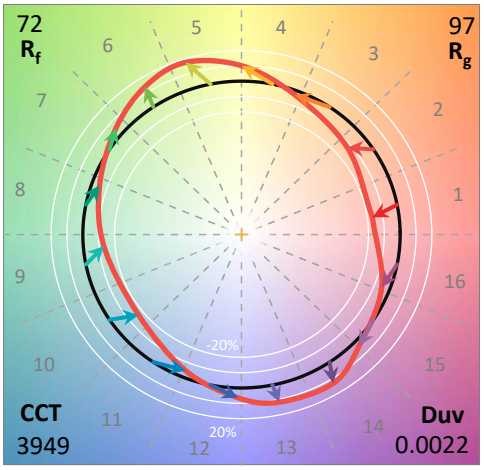
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

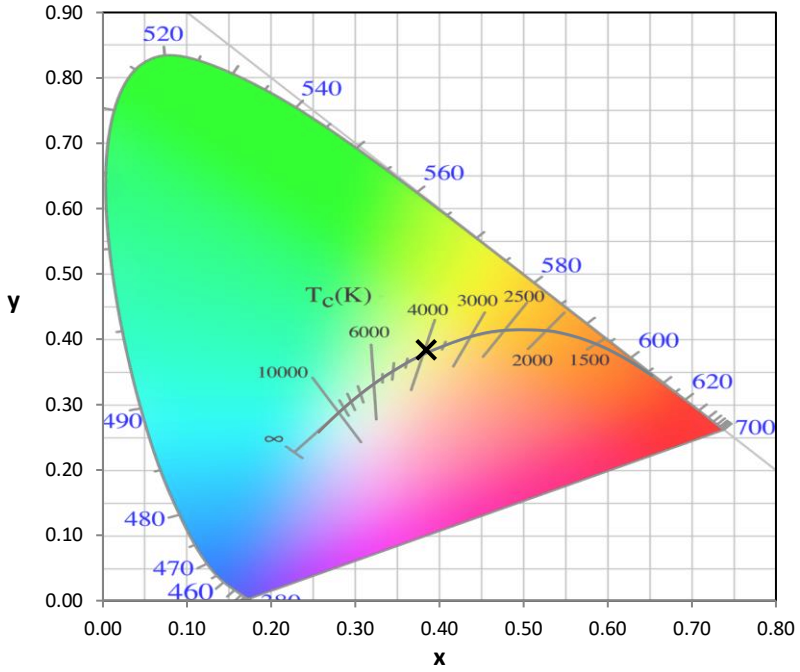
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

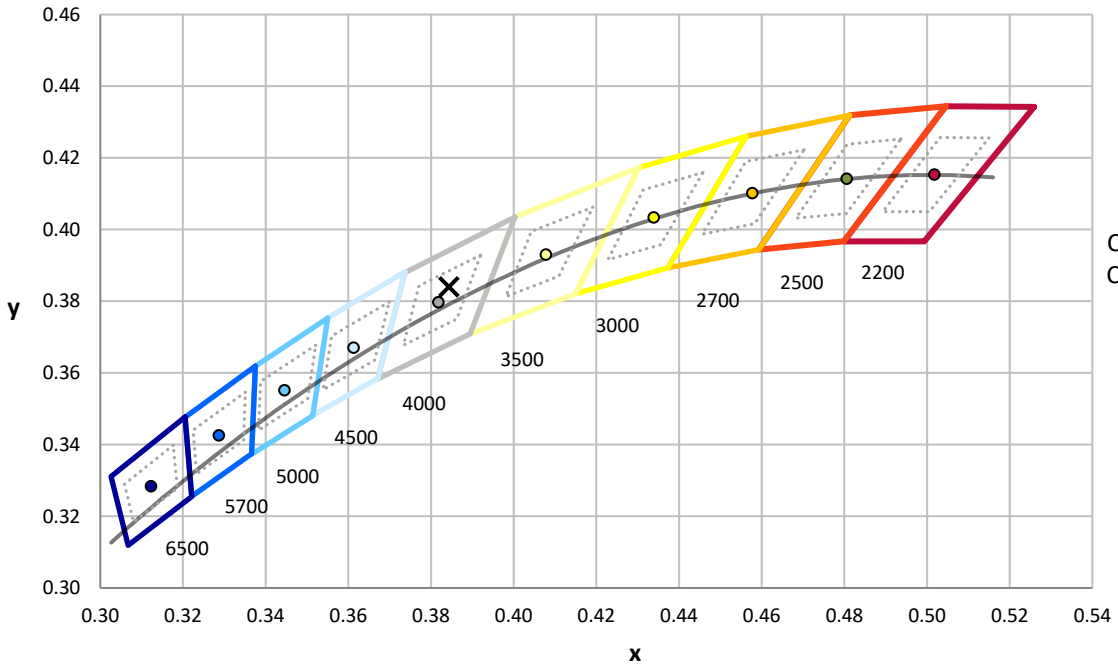
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

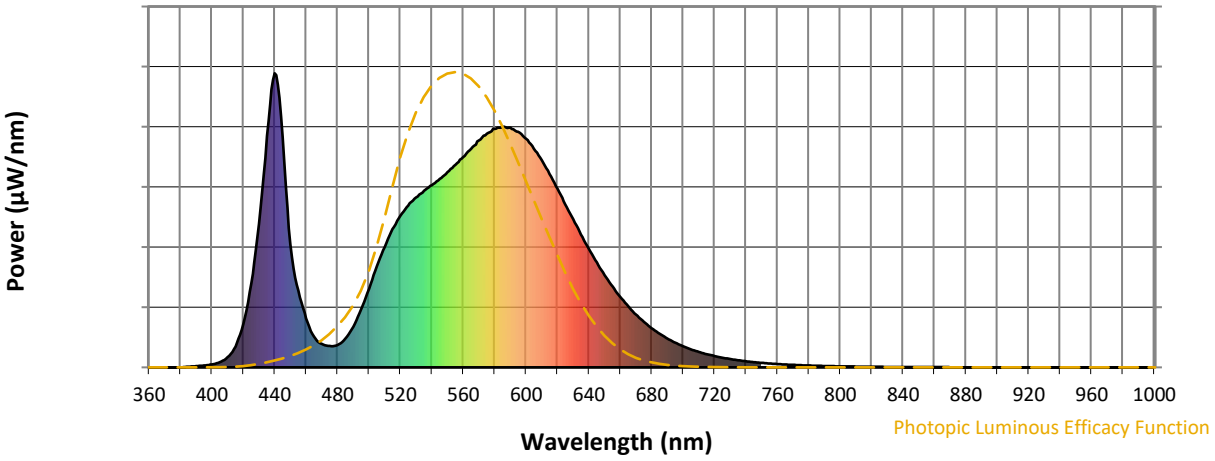


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

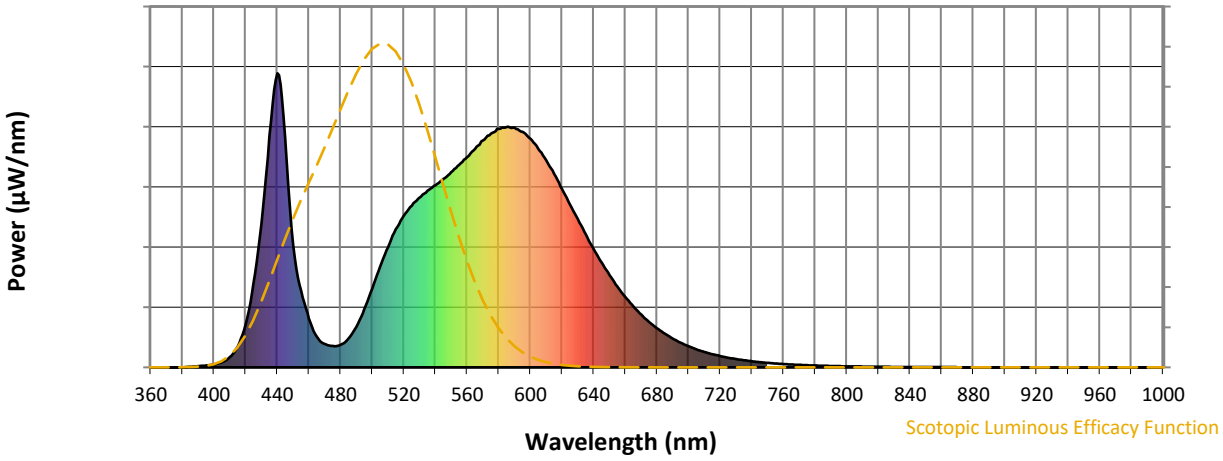


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

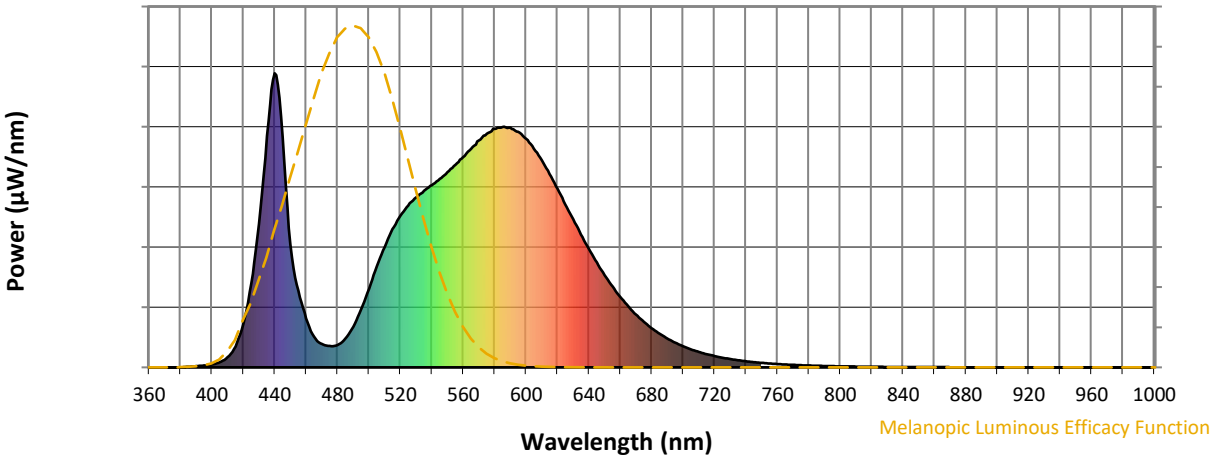


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

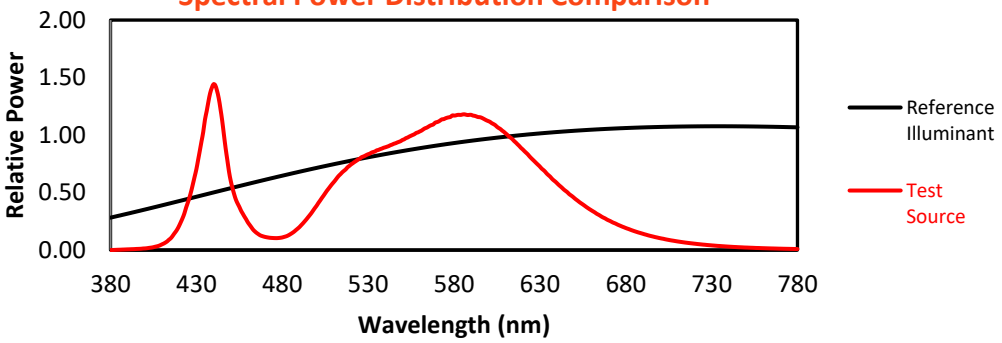
REPORT NUMBER: SP1-2407-184-1

TM-30-18

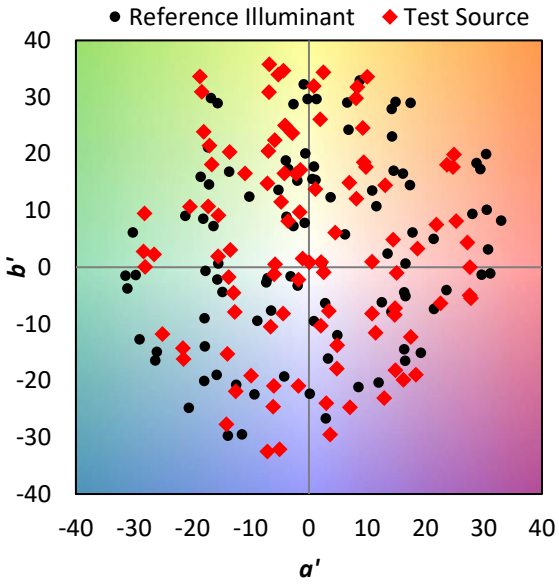
Summary

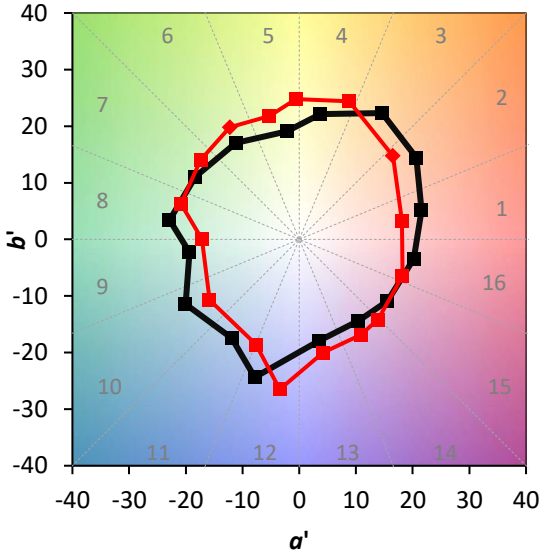
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

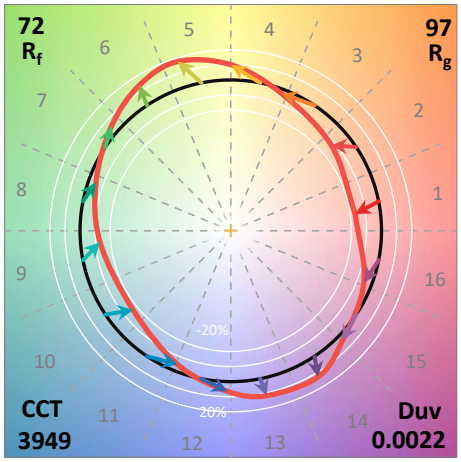
Spectral Power Distribution Comparison

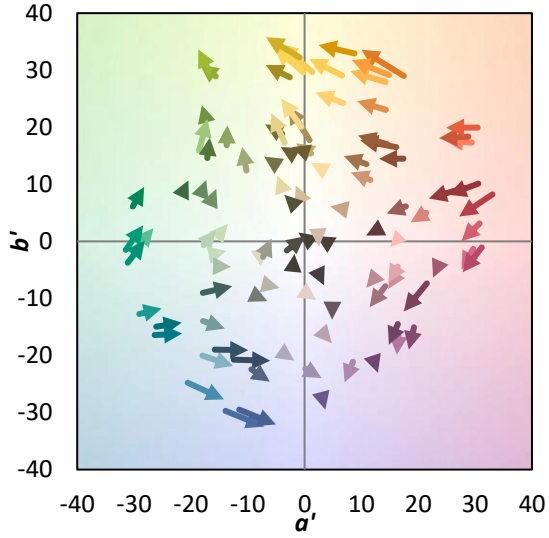


Color Vector Graphics







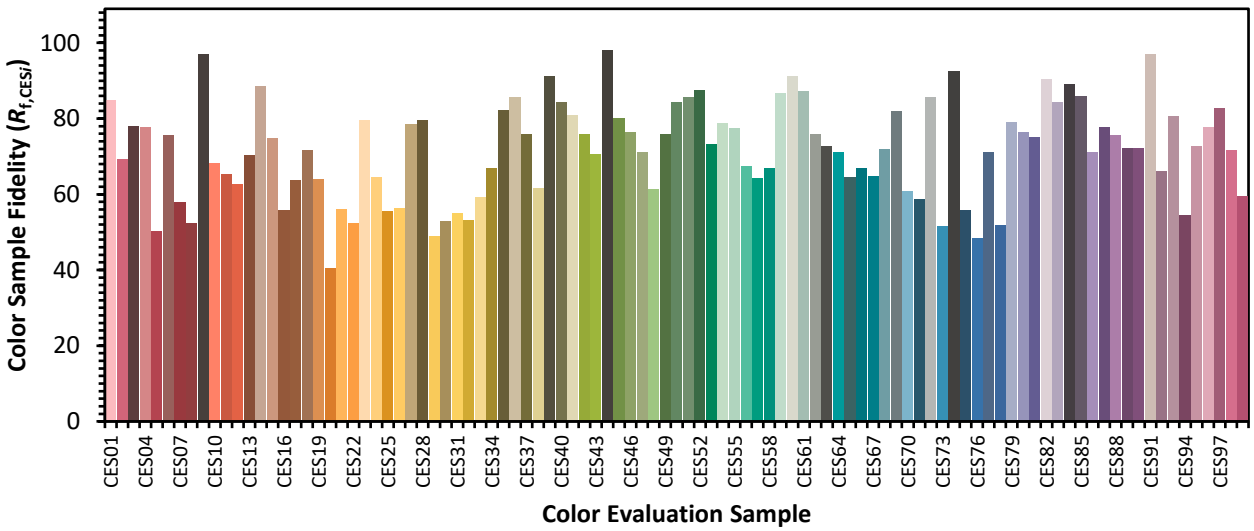


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

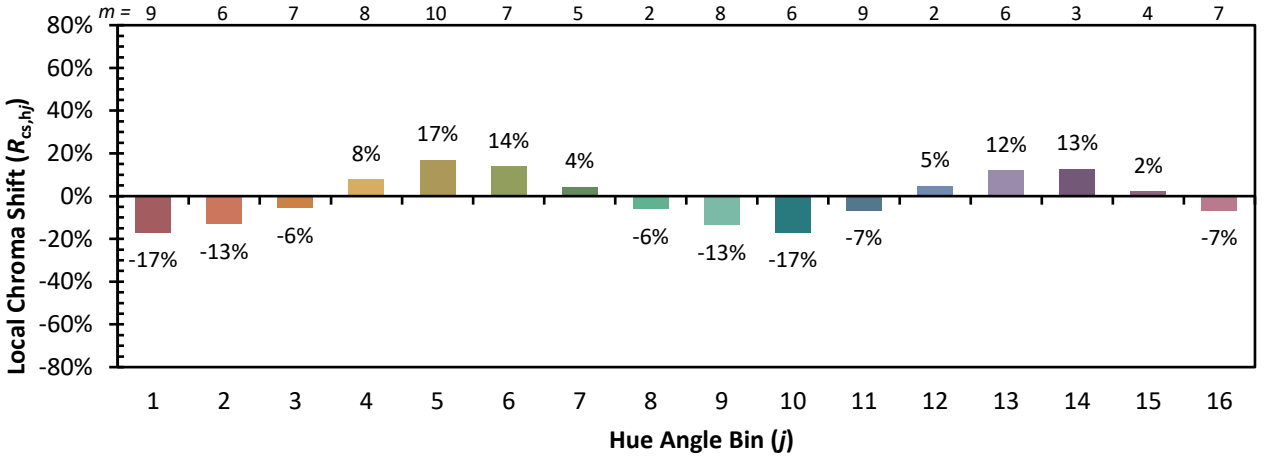
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

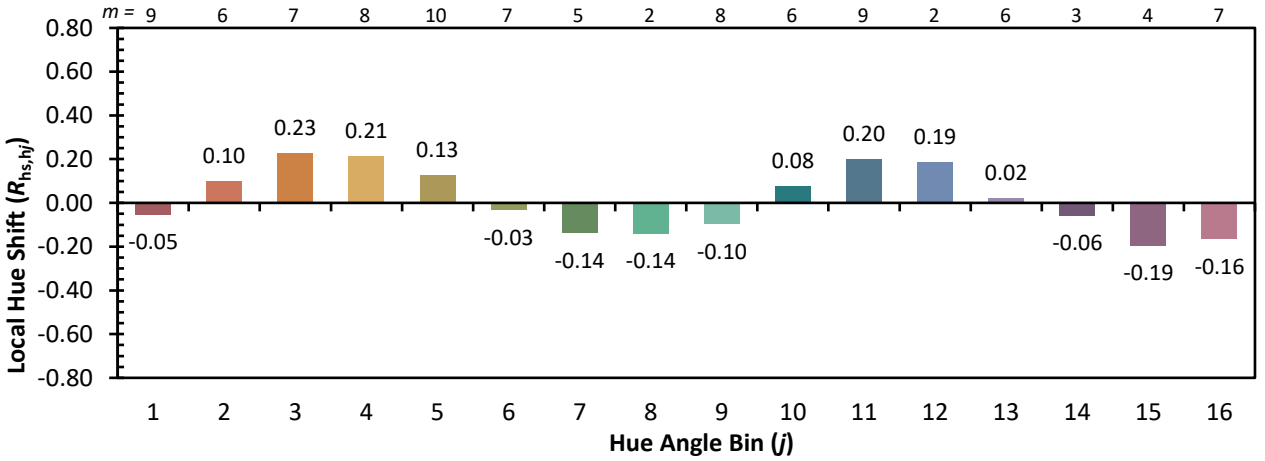


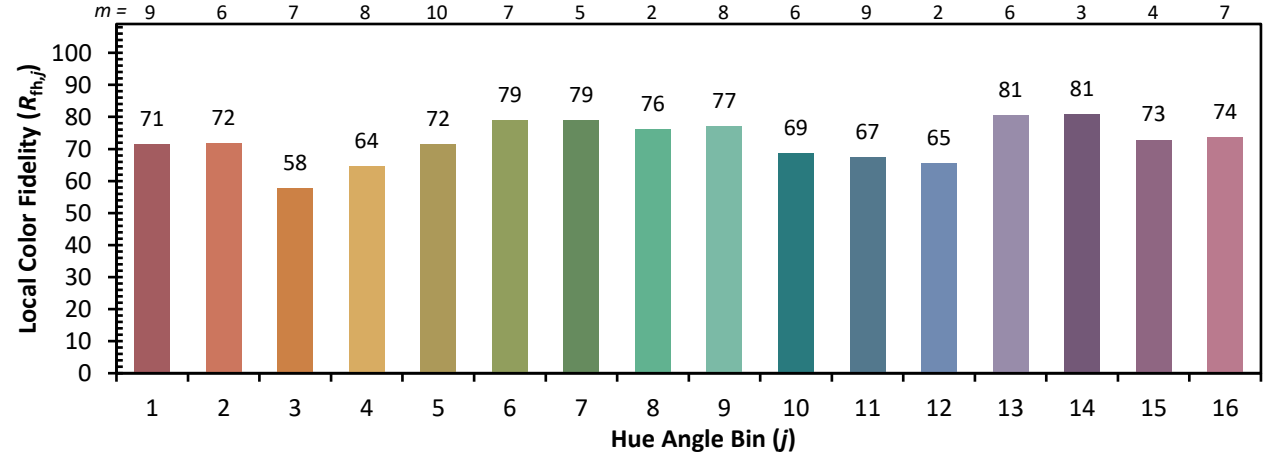
REPORT NUMBER: SP1-2407-184-1

TM-30-18

Color Rendition by Hue-Angle Bin



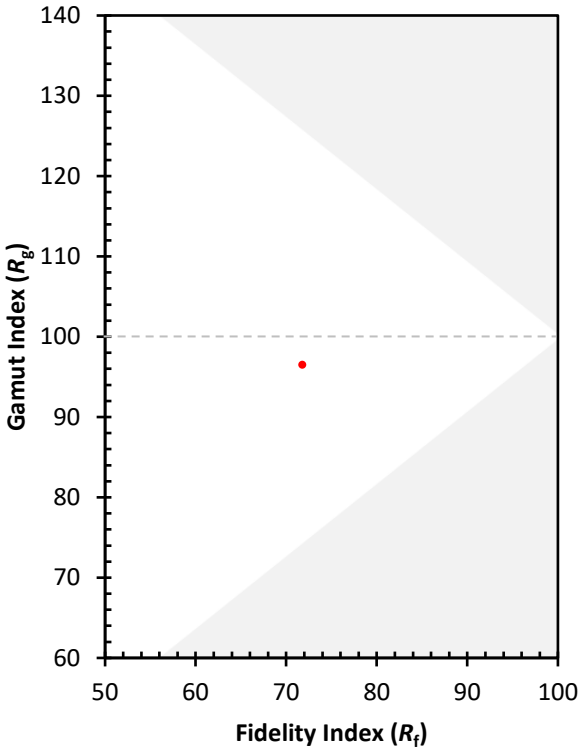


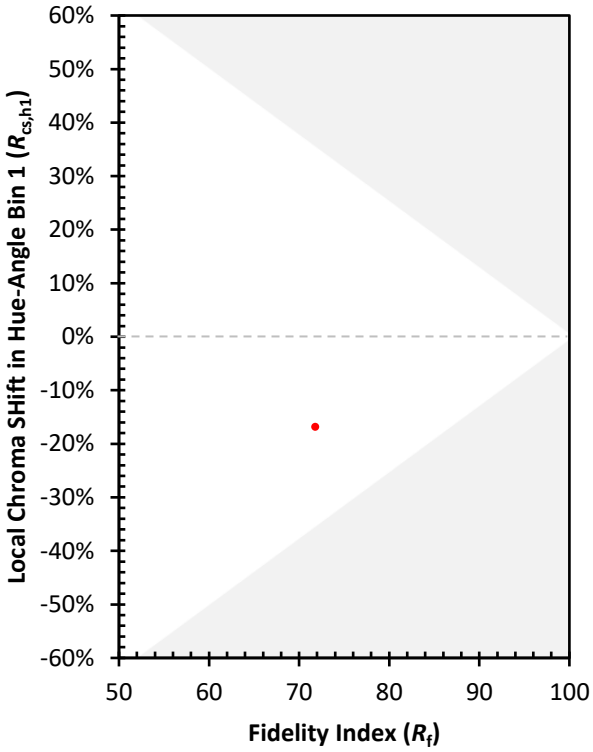


REPORT NUMBER: SP1-2407-184-1

TM-30-18

Measure Comparisons





(END OF REPORT)