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: P1364628

Luminaire Tested: **GSS-SB2B-750-U-SLR-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:	P1364628
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-750-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 5000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8376.7 lumens
Efficiency:	N/A
Efficacy:	113.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

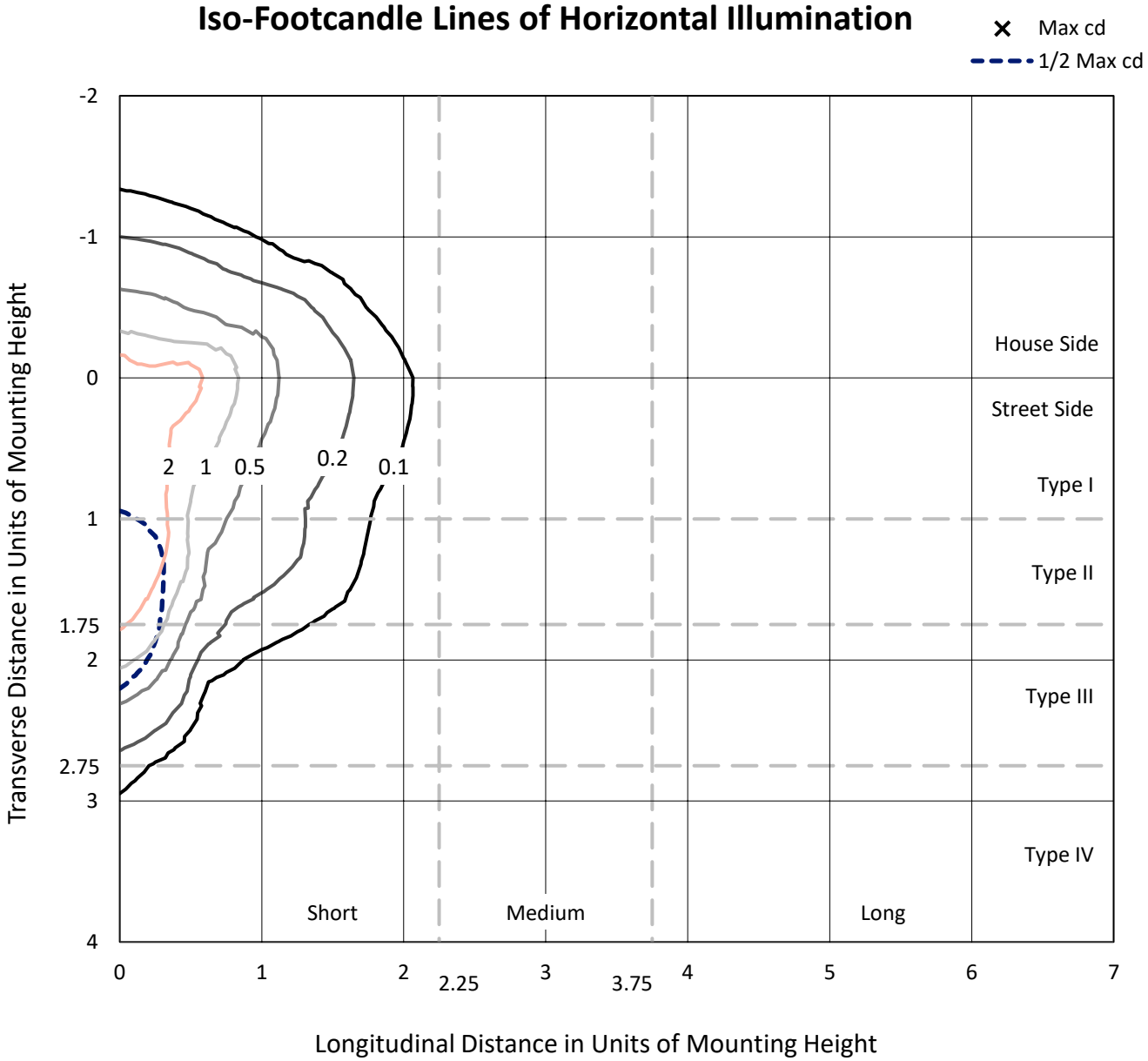
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination



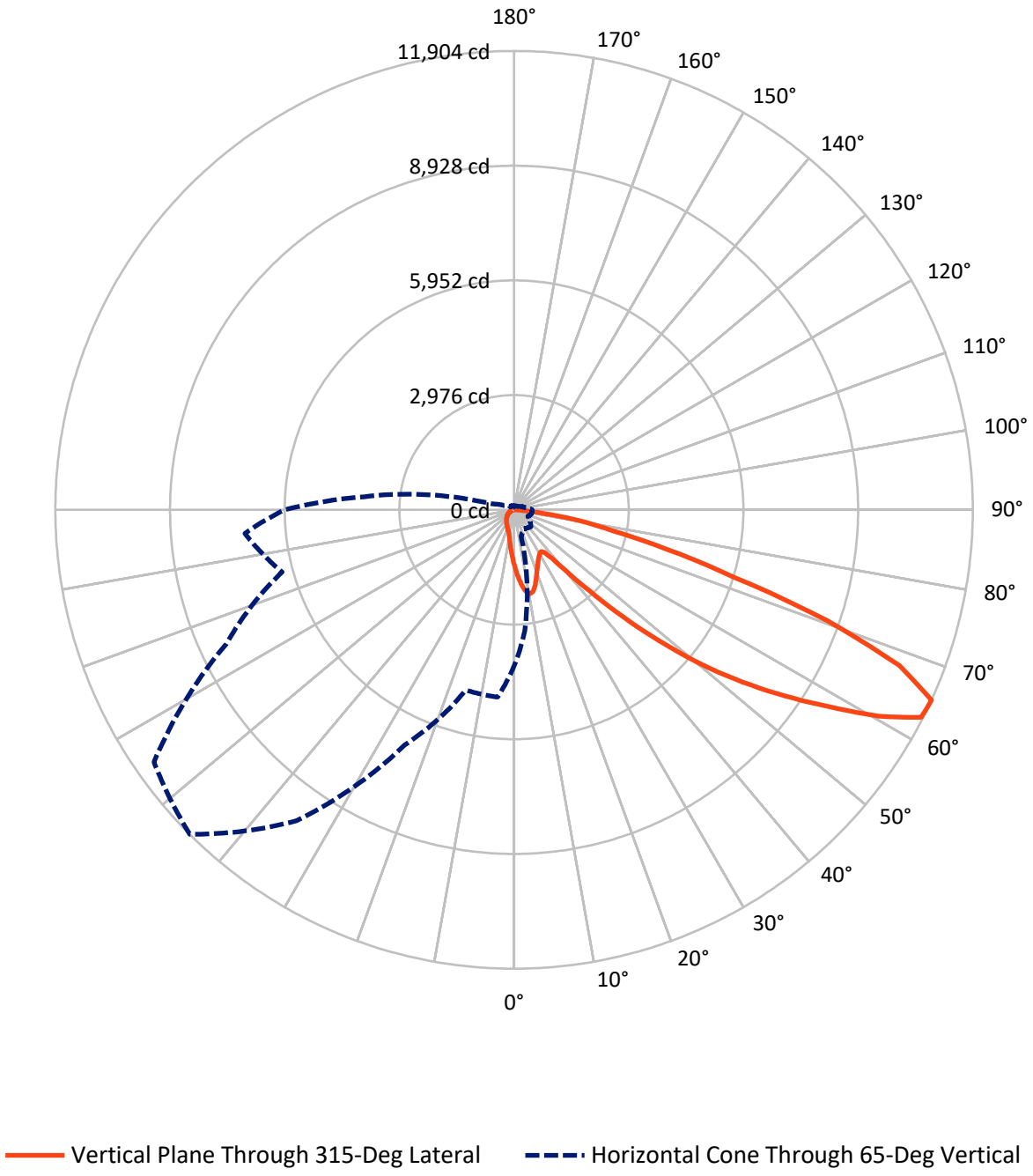
Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

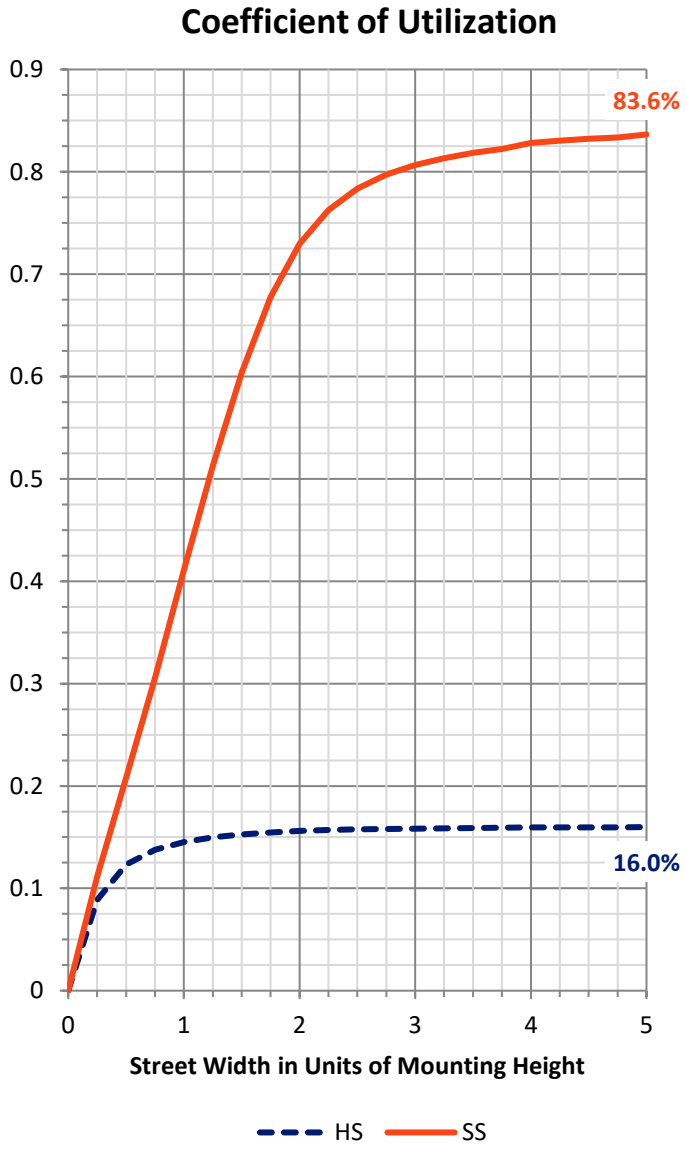
REPORT NUMBER: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1354.1	0.0	1354.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	7022.6	0.0	7022.6
	% Fixture	83.8	0.0	83.8
Total	Lumens	8376.7	0.0	8376.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	1.7
10°-20°	384.9	4.6
20°-30°	551.3	6.6
30°-40°	691.5	8.3
40°-50°	1135.9	13.6
50°-60°	2049.8	24.5
60°-70°	2274.8	27.2
70°-80°	1027.8	12.3
80°-90°	121.5	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°	8376.7	100.0
0°-180°	8376.7	100.0



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

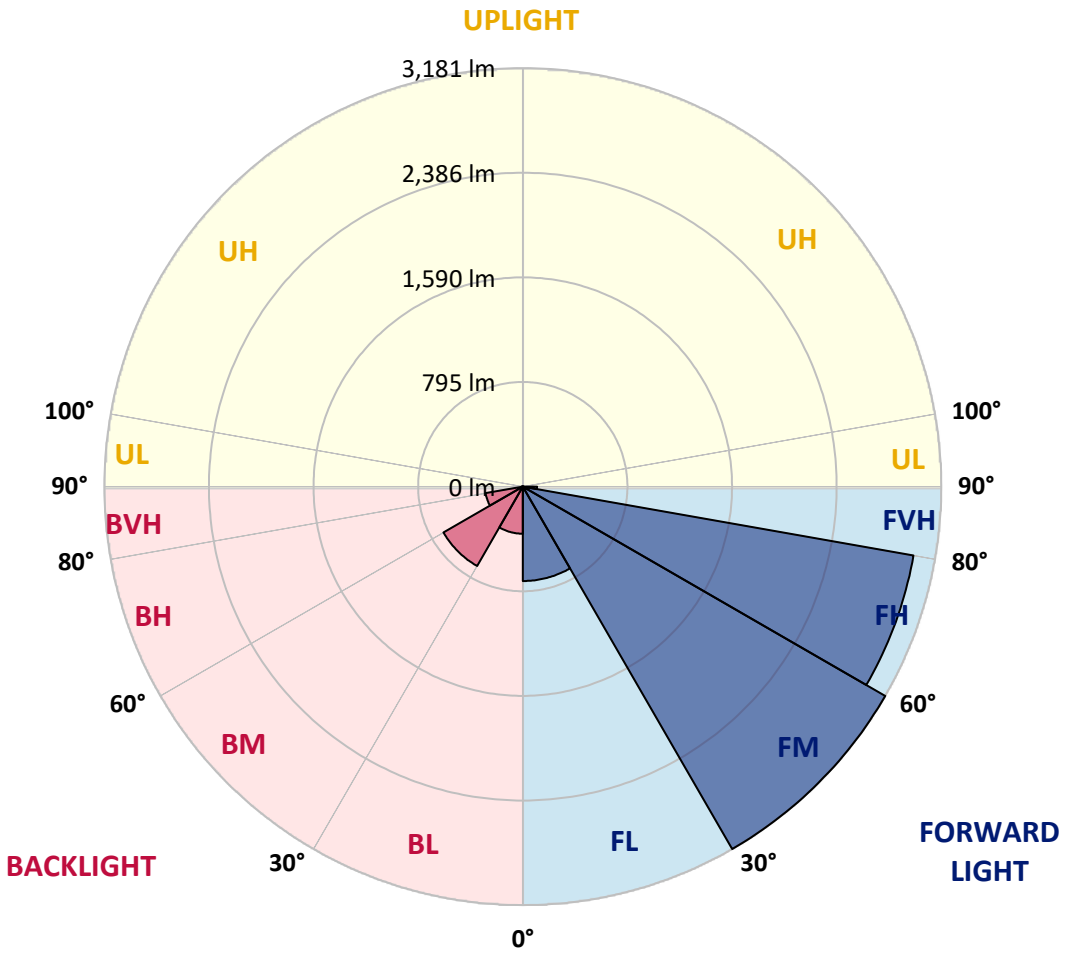
Scaled Data Report

REPORT NUMBER: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	717.5	8.6			
FM	(30°-60°)	3180.9	38.0			
FH	(60°-80°)	3015.1	36.0			G2/5000
FVH	(80°-90°)	109.1	1.3			G2/225
BL	(0°-30°)	357.8	4.3	B1/500		
BM	(30°-60°)	696.3	8.3	B1/1000		
BH	(60°-80°)	287.6	3.4	B1/500		G1/500
BVH	(80°-90°)	12.4	0.1			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: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2
2.5°	1633.4	1631.8	1625.6	1587.1	1548.5	1515.0	1481.6	1448.2	1401.9	1365.8	1335.0
5°	1787.7	1779.5	1746.5	1687.4	1623.1	1566.5	1502.2	1440.4	1371.0	1314.4	1255.2
7.5°	1893.1	1884.9	1852.0	1754.2	1656.5	1587.1	1517.6	1453.3	1376.1	1301.5	1216.7
10°	1942.0	1932.8	1895.7	1790.3	1677.1	1592.2	1522.7	1463.6	1399.3	1324.7	1219.2
12.5°	1975.5	1964.1	1918.9	1798.0	1682.2	1597.3	1525.3	1468.7	1422.4	1378.7	1275.8
15°	1996.0	1985.7	1944.6	1818.6	1684.8	1589.6	1504.7	1450.7	1435.3	1443.0	1394.1
17.5°	2026.9	2017.1	1978.0	1844.3	1700.2	1576.8	1461.0	1401.9	1435.3	1504.7	1520.2
20°	2068.1	2057.8	2016.6	1877.7	1713.1	1538.2	1378.7	1322.1	1407.0	1522.7	1602.5
22.5°	2114.4	2106.1	2073.2	1916.3	1726.0	1481.6	1270.7	1245.0	1347.8	1471.3	1574.2
25°	2170.9	2163.2	2132.4	1970.3	1738.8	1404.4	1178.1	1183.2	1270.7	1368.4	1473.9
27.5°	2248.1	2240.9	2212.1	2037.2	1754.2	1324.7	1103.5	1129.2	1193.5	1260.4	1324.7
30°	2333.0	2327.3	2304.7	2116.9	1785.1	1250.1	1059.8	1075.2	1118.9	1172.9	1211.5
32.5°	2448.7	2439.5	2402.4	2191.5	1782.5	1193.5	1039.2	1023.7	1036.6	1080.3	1118.9
35°	2592.8	2585.6	2556.8	2268.7	1736.2	1142.1	1028.9	974.9	967.2	992.9	1031.5
37.5°	2803.7	2797.5	2772.8	2394.7	1664.2	1077.8	1003.2	923.4	897.7	915.7	941.4
40°	3120.1	3104.1	3040.4	2538.8	1584.5	1013.5	956.9	861.7	825.7	838.5	866.8
42.5°	3549.7	3519.3	3397.9	2731.7	1476.4	951.7	887.4	800.0	761.4	769.1	794.8
45°	4100.1	4054.3	3871.2	2996.6	1363.3	902.8	815.4	735.7	694.5	702.2	730.5
47.5°	4743.2	4680.4	4429.3	3274.4	1242.4	874.6	758.8	671.3	640.5	658.5	686.8
50°	5502.0	5438.7	5185.6	3451.9	1144.6	856.5	715.1	612.2	599.3	622.5	645.6
52.5°	6330.2	6240.2	5880.1	3338.7	1064.9	841.1	699.6	571.0	576.2	594.2	617.3
55°	7135.3	6935.2	6134.7	2963.2	962.0	823.1	709.9	540.2	553.0	576.2	594.2
57.5°	7660.0	7312.3	5921.2	2387.0	854.0	802.5	717.6	524.7	535.0	560.7	581.3
60°	7202.2	6852.4	5453.1	1787.7	761.4	758.8	704.8	519.6	504.2	540.2	558.2
62.5°	5900.7	5612.6	4460.2	1142.1	673.9	676.5	676.5	517.0	452.7	499.0	514.4
65°	*4053.8*	*3873.7*	*3153.5*	*707.4*	*550.5*	*576.2*	*614.8*	*501.6*	*398.7*	*452.7*	*468.1*
67.5°	2664.8	2532.6	2003.8	437.3	424.4	473.3	532.4	470.7	357.5	406.4	416.7
70°	1445.6	1345.3	944.0	288.1	277.8	370.4	419.3	398.7	321.5	362.7	373.0
72.5°	954.3	872.0	542.7	203.2	203.2	290.7	293.2	326.7	288.1	321.5	331.8
75°	717.6	644.1	349.8	141.5	156.9	185.2	228.9	234.1	241.8	272.7	285.5
77.5°	329.2	289.1	128.6	84.9	115.7	128.6	174.9	149.2	180.1	203.2	208.3
80°	190.3	166.7	72.0	56.6	74.6	82.3	144.0	87.5	108.0	144.0	151.8
82.5°	79.7	71.0	36.0	38.6	46.3	48.9	79.7	61.7	69.4	95.2	92.6
85°	23.1	23.1	23.1	25.7	28.3	28.3	46.3	43.7	41.2	43.7	43.7
87.5°	15.4	15.4	15.4	15.4	18.0	18.0	20.6	23.1	25.7	25.7	25.7
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: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2
2.5°	1322.1	1304.1	1281.0	1247.5	1242.4	1224.4	1211.5	1224.4	1237.2	1260.4	1263.0
5°	1224.4	1196.1	1142.1	1100.9	1054.6	1031.5	1028.9	1023.7	1039.2	1072.6	1093.2
7.5°	1170.4	1124.1	1026.3	954.3	890.0	866.8	848.8	864.3	861.7	905.4	923.4
10°	1157.5	1085.5	949.1	841.1	761.4	730.5	712.5	709.9	715.1	740.8	758.8
12.5°	1203.8	1111.2	918.3	758.8	666.2	632.8	612.2	594.2	594.2	599.3	622.5
15°	1306.7	1196.1	936.3	720.2	619.9	576.2	542.7	519.6	501.6	504.2	506.7
17.5°	1450.7	1319.5	982.6	707.4	591.6	545.3	504.2	481.0	460.4	455.3	455.3
20°	1563.9	1437.9	1018.6	697.1	568.5	509.3	473.3	452.7	434.7	427.0	427.0
22.5°	1576.8	1486.7	1049.5	684.2	540.2	473.3	439.8	421.8	409.0	406.4	406.4
25°	1491.9	1448.2	1039.2	668.8	511.9	439.8	414.1	398.7	385.8	383.3	385.8
27.5°	1350.4	1327.3	1003.2	648.2	488.7	414.1	391.0	378.1	365.3	362.7	365.3
30°	1224.4	1198.7	941.4	614.8	470.7	393.5	367.8	355.0	342.1	342.1	344.7
32.5°	1121.5	1095.8	879.7	576.2	447.6	370.4	347.2	334.4	321.5	321.5	326.7
35°	1028.9	1008.3	830.8	537.6	424.4	349.8	324.1	313.8	303.5	300.9	306.1
37.5°	949.1	938.9	787.1	496.4	401.3	329.2	306.1	295.8	282.9	280.4	285.5
40°	872.0	866.8	738.2	460.4	373.0	308.7	285.5	275.2	259.8	259.8	264.9
42.5°	800.0	797.4	694.5	437.3	347.2	288.1	262.4	252.1	239.2	239.2	244.4
45°	743.4	740.8	653.3	424.4	321.5	264.9	241.8	228.9	218.6	221.2	226.4
47.5°	691.9	686.8	609.6	427.0	308.7	249.5	218.6	205.8	198.1	203.2	210.9
50°	650.8	645.6	578.7	429.6	288.1	228.9	200.6	187.8	182.6	190.3	198.1
52.5°	625.0	619.9	547.9	414.1	262.4	213.5	182.6	174.9	174.9	182.6	187.8
55°	599.3	594.2	496.4	380.7	234.1	198.1	169.8	164.6	164.6	172.3	177.5
57.5°	583.9	573.6	442.4	342.1	210.9	180.1	156.9	156.9	156.9	159.5	162.0
60°	560.7	535.0	385.8	293.2	192.9	162.0	146.6	144.0	144.0	141.5	144.0
62.5°	511.9	468.1	324.1	249.5	172.3	146.6	133.8	131.2	123.5	115.7	118.3
65°	*463.0*	*396.1*	*257.2*	*208.3*	*149.2*	*126.0*	*118.3*	*115.7*	*102.9*	*92.6*	*95.2*
67.5°	401.3	316.4	192.9	174.9	128.6	108.0	100.3	100.3	92.6	84.9	84.9
70°	357.5	246.9	162.0	131.2	102.9	84.9	84.9	90.0	82.3	72.0	72.0
72.5°	316.4	200.6	131.2	105.5	79.7	66.9	72.0	74.6	66.9	59.2	59.2
75°	270.1	156.9	102.9	82.3	59.2	51.4	54.0	59.2	54.0	46.3	48.9
77.5°	195.5	108.0	69.4	54.0	43.7	38.6	41.2	41.2	38.6	36.0	36.0
80°	136.3	72.0	46.3	36.0	30.9	28.3	28.3	25.7	25.7	28.3	28.3
82.5°	82.3	51.4	33.4	28.3	23.1	18.0	18.0	20.6	20.6	23.1	23.1
85°	36.0	30.9	23.1	20.6	15.4	12.9	15.4	15.4	18.0	20.6	20.6
87.5°	23.1	23.1	18.0	15.4	12.9	10.3	10.3	12.9	12.9	15.4	18.0
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: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2
2.5°	1273.2	1299.0	1329.8	1373.6	1412.1	1458.4	1504.7	1548.5	1589.6	1594.8	1612.8
5°	1108.6	1157.5	1219.2	1291.2	1378.7	1471.3	1561.3	1656.5	1733.7	1762.0	1803.1
7.5°	938.9	1000.6	1090.6	1201.2	1324.7	1463.6	1602.5	1736.2	1852.0	1906.0	1960.0
10°	776.8	836.0	946.6	1080.3	1239.8	1427.6	1612.8	1792.8	1934.3	1996.0	2047.5
12.5°	630.2	689.4	779.4	933.7	1126.6	1353.0	1597.3	1813.4	1970.3	2034.6	2083.5
15°	514.4	563.3	648.2	792.2	995.4	1250.1	1543.3	1798.0	1978.0	2039.8	2075.8
17.5°	452.7	465.6	519.6	650.8	872.0	1157.5	1473.9	1777.4	1983.2	2039.8	2060.3
20°	427.0	427.0	437.3	506.7	722.8	1059.8	1422.4	1764.5	1990.9	2047.5	2044.9
22.5°	403.8	409.0	409.0	424.4	550.5	923.4	1368.4	1759.4	2014.0	2057.8	2021.8
25°	383.3	391.0	391.0	396.1	432.1	761.4	1301.5	1769.7	2055.2	2078.3	2006.3
27.5°	365.3	373.0	373.0	378.1	385.8	565.9	1190.9	1772.3	2101.5	2104.1	1985.7
30°	347.2	355.0	360.1	360.1	365.3	416.7	1052.0	1756.8	2152.9	2137.5	1983.2
32.5°	326.7	337.0	339.5	344.7	347.2	362.7	872.0	1731.1	2217.2	2183.8	1985.7
35°	308.7	321.5	324.1	324.1	329.2	344.7	697.1	1702.8	2304.7	2245.5	1996.0
37.5°	290.7	300.9	303.5	306.1	311.2	326.7	553.0	1661.6	2379.3	2322.7	2047.5
40°	270.1	282.9	285.5	288.1	293.2	308.7	475.9	1610.2	2492.5	2451.3	2124.6
42.5°	249.5	262.4	267.5	270.1	272.7	293.2	434.7	1574.2	2675.1	2631.4	2281.6
45°	231.5	244.4	249.5	249.5	254.6	282.9	398.7	1653.9	2927.2	2906.6	2492.5
47.5°	216.1	228.9	231.5	231.5	234.1	267.5	367.8	1867.4	3313.0	3259.0	2821.7
50°	203.2	213.5	218.6	213.5	216.1	254.6	385.8	2219.8	3806.9	3824.9	3305.3
52.5°	192.9	203.2	205.8	195.5	195.5	236.6	409.0	2507.9	4437.1	4601.7	4071.8
55°	180.1	190.3	192.9	180.1	180.1	208.3	355.0	2525.9	5154.7	5684.6	5069.8
57.5°	167.2	177.5	177.5	167.2	164.6	180.1	288.1	2240.4	5710.3	6911.5	6435.7
60°	151.8	162.0	159.5	154.3	149.2	164.6	264.9	1707.9	5635.7	7711.5	8002.1
62.5°	123.5	138.9	144.0	141.5	131.2	149.2	246.9	1113.8	4876.9	7017.0	7953.3
65°	*102.9*	*115.7*	*123.5*	*123.5*	*115.7*	*164.6*	*216.1*	*586.5*	*3904.6*	*5954.7*	*7011.8*
67.5°	90.0	102.9	108.0	105.5	100.3	146.6	136.3	282.9	2994.1	5131.6	6276.2
70°	79.7	90.0	95.2	87.5	82.3	118.3	97.7	167.2	2003.8	4282.7	5589.4
72.5°	64.3	74.6	79.7	72.0	64.3	87.5	74.6	110.6	1304.1	3650.0	4966.9
75°	51.4	61.7	64.3	59.2	51.4	64.3	59.2	77.2	851.4	3019.8	4223.6
77.5°	38.6	43.7	48.9	46.3	38.6	46.3	41.2	54.0	486.1	2119.5	2963.2
80°	30.9	33.4	33.4	33.4	30.9	28.3	28.3	36.0	218.6	1044.3	1545.9
82.5°	25.7	28.3	28.3	25.7	23.1	20.6	18.0	20.6	64.3	468.1	712.5
85°	23.1	25.7	20.6	18.0	15.4	12.9	7.7	7.7	18.0	74.6	138.9
87.5°	18.0	15.4	12.9	10.3	5.1	2.6	2.6	0.0	2.6	2.6	2.6
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: P1364628
CATALOG NUMBER: GSS-SB2B-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1448.2	1448.2	1448.2	*1448.2*	1448.2	1448.2	1448.2	1448.2	1448.2	1448.2
2.5°	1641.1	1666.8	1684.8	*1700.2*	1695.1	1682.2	1656.5	1638.5	1634.4	1633.4
5°	1857.1	1898.3	1934.3	*1929.2*	1934.3	1895.7	1857.1	1810.8	1792.3	1787.7
7.5°	2037.2	2088.6	2132.4	*2127.2*	2111.8	2068.1	2003.8	1934.3	1901.4	1893.1
10°	2134.9	2194.1	2230.1	*2217.2*	2191.5	2134.9	2070.6	1988.3	1951.3	1942.0
12.5°	2152.9	2191.5	2183.8	*2178.7*	2173.5	2145.2	2096.4	2021.8	1984.7	1975.5
15°	2106.6	2091.2	2047.5	*2037.2*	2075.8	2111.8	2101.5	2039.8	2004.8	1996.0
17.5°	2029.5	1949.7	1870.0	*1859.7*	1924.0	2024.3	2104.1	2068.1	2035.1	2026.9
20°	1944.6	1795.4	1707.9	*1689.9*	1769.7	1918.9	2075.8	2096.4	2073.7	2068.1
22.5°	1844.3	1669.4	1576.8	*1566.5*	1625.6	1800.5	2034.6	2127.2	2116.9	2114.4
25°	1756.8	1558.8	1471.3	*1455.9*	1533.0	1702.8	1993.5	2178.7	2172.5	2170.9
27.5°	1684.8	1479.0	1386.4	*1376.1*	1450.7	1620.5	1942.0	2222.4	2243.0	2248.1
30°	1628.2	1419.9	1327.3	*1314.4*	1396.7	1563.9	1906.0	2284.1	2323.2	2333.0
32.5°	1584.5	1386.4	1299.0	*1291.2*	1378.7	1540.8	1885.4	2348.4	2428.7	2448.7
35°	1569.0	1396.7	1337.5	*1355.6*	1422.4	1563.9	1900.9	2453.9	2565.0	2592.8
37.5°	1602.5	1509.9	1551.0	*1597.3*	1623.1	1674.5	1972.9	2623.7	2767.7	2803.7
40°	1710.5	1813.4	2006.3	*2096.4*	2086.1	1967.7	2137.5	2862.9	3068.6	3120.1
42.5°	1985.7	2320.1	2729.1	*2880.9*	2793.4	2435.9	2399.9	3256.4	3491.0	3549.7
45°	2394.7	2932.3	3603.7	*3945.8*	3644.8	3030.1	2814.0	3817.2	4043.5	4100.1
47.5°	2803.7	3616.5	4684.0	*5090.4*	4498.8	3619.1	3356.7	4488.5	4692.2	4743.2
50°	3220.4	4372.8	5761.8	*6304.5*	5350.2	4218.4	3932.9	5316.8	5464.9	5502.0
52.5°	3650.0	5049.3	6950.1	*7418.3*	6240.2	4681.4	4591.4	6219.6	6308.1	6330.2
55°	4128.4	5689.7	8141.0	*8519.2*	7050.4	5085.3	5363.1	7163.6	7141.0	7135.3
57.5°	4766.3	6363.7	9100.5	*9627.8*	7786.1	5630.6	6394.5	8213.1	7770.6	7660.0
60°	5880.1	7410.5	10294.0	*10867.6*	8771.2	6428.0	7153.3	8189.9	7399.7	7202.2
62.5°	7171.3	8418.8	11374.3	*11857.9*	9807.8	7220.2	6548.8	6878.1	6096.1	5900.7
65°	*6229.9*	*8241.4*	*11407.8*	*11904.2*	*9846.4*	*6736.6*	*4840.9*	*4876.9*	*4218.4*	*4053.8*
67.5°	5301.3	7305.1	10389.2	*10780.1*	8784.1	5568.8	3210.1	3181.8	2768.2	2664.8
70°	4720.0	6399.7	8953.9	*8616.9*	7384.8	4707.1	2132.4	1767.1	1509.9	1445.6
72.5°	4241.6	5077.5	7256.2	*5939.2*	6127.0	3830.0	1355.6	1203.8	1004.2	954.3
75°	3840.3	4200.4	4527.1	*4105.2*	4352.2	3156.1	1149.8	928.6	759.8	717.6
77.5°	3055.8	3269.3	2680.2	*2603.1*	3048.1	2245.5	571.0	391.0	341.6	329.2
80°	1818.6	1545.9	1520.2	*1733.7*	2029.5	1165.2	349.8	216.1	195.5	190.3
82.5°	1100.9	558.2	607.0	*766.5*	1080.3	529.9	208.3	92.6	82.3	79.7
85°	185.2	151.8	234.1	*223.8*	210.9	113.2	56.6	25.7	23.7	23.1
87.5°	5.1	7.7	10.3	*12.9*	12.9	12.9	12.9	12.9	14.9	15.4
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

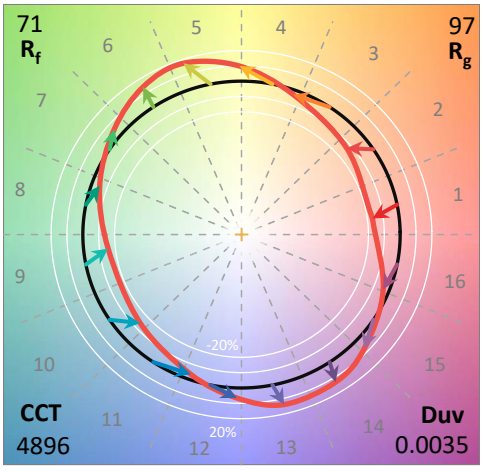
Test Information

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

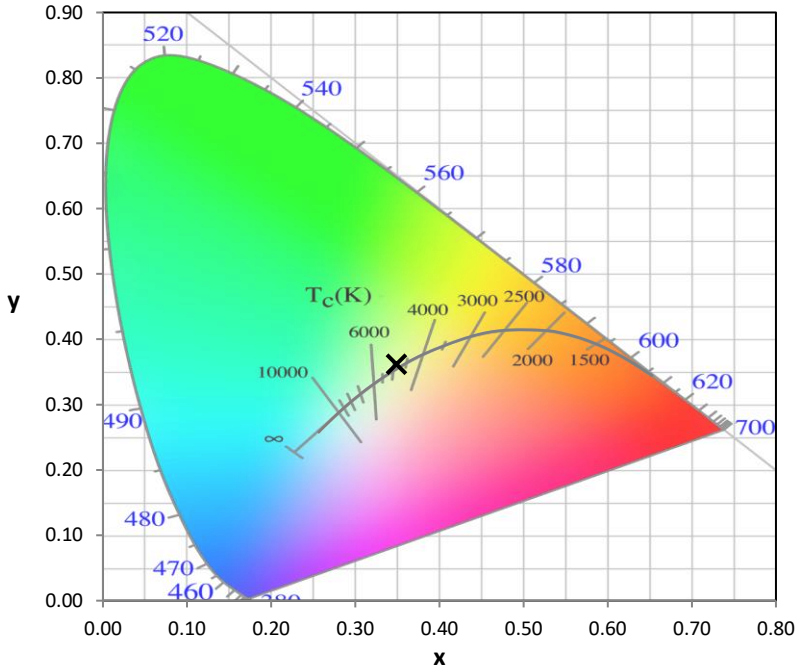
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

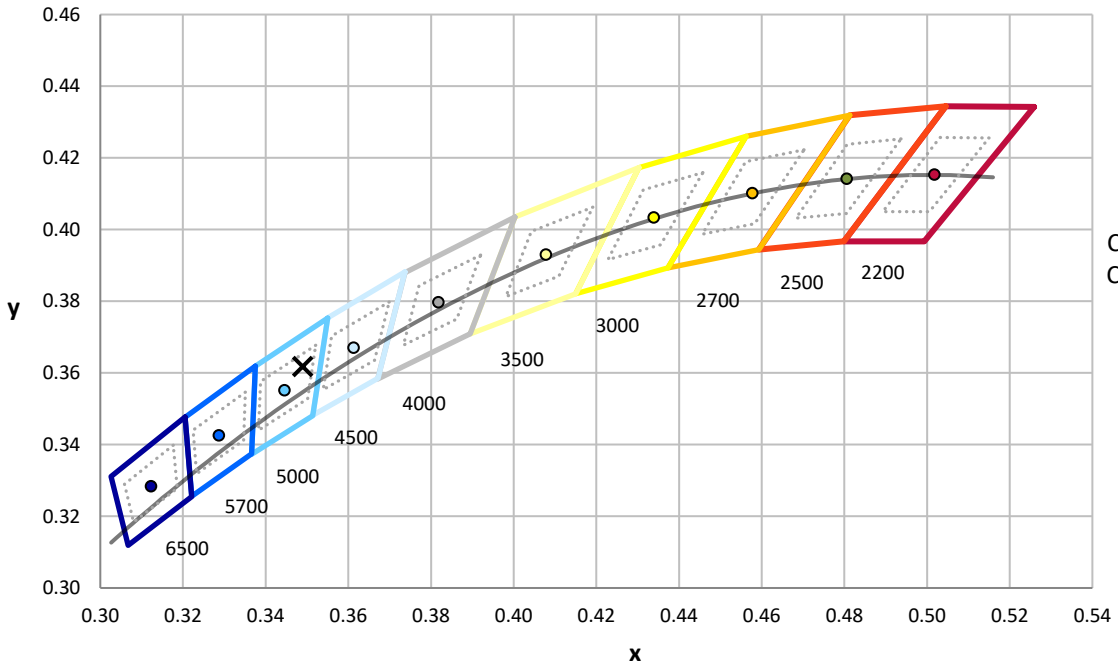
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

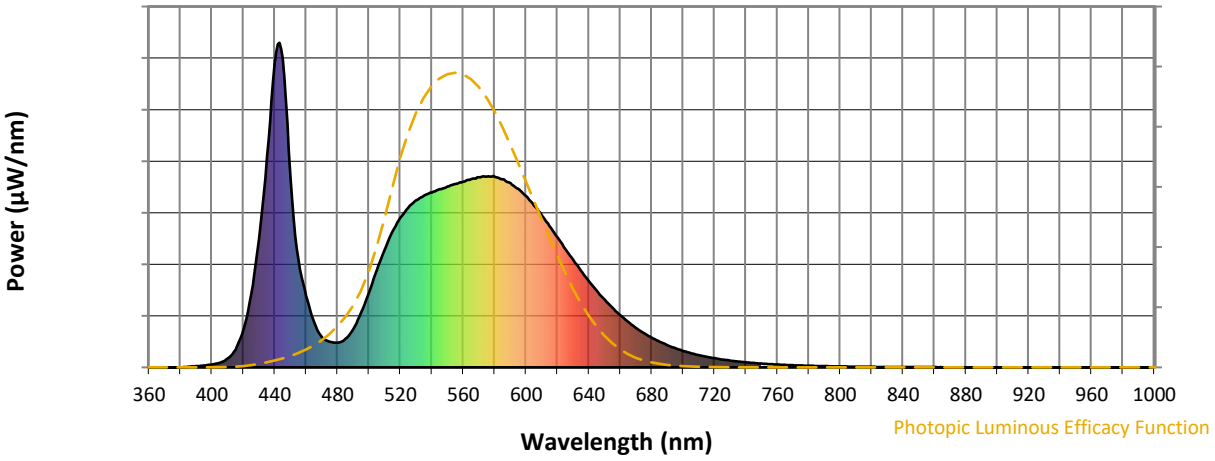


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

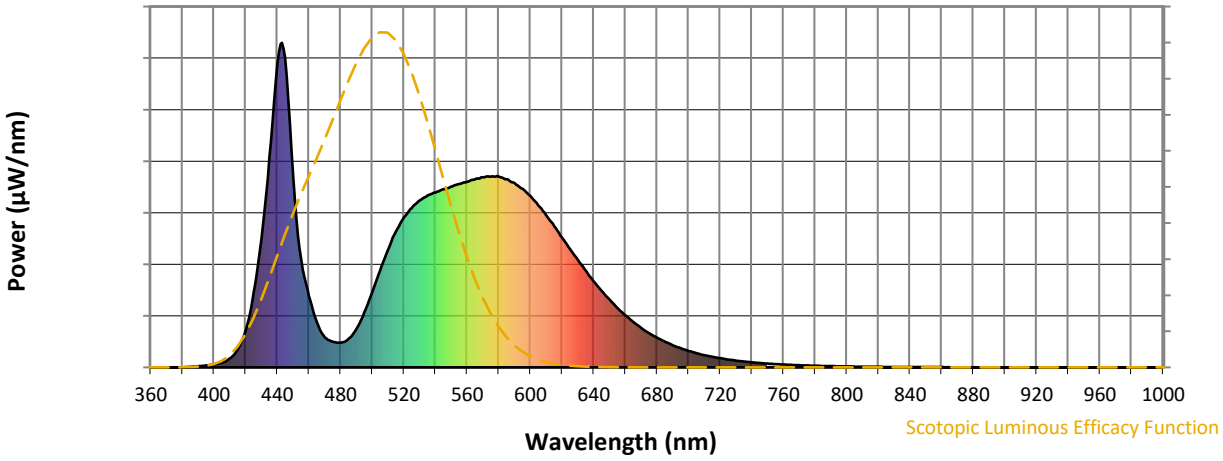


Photopic Lumens: NR

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

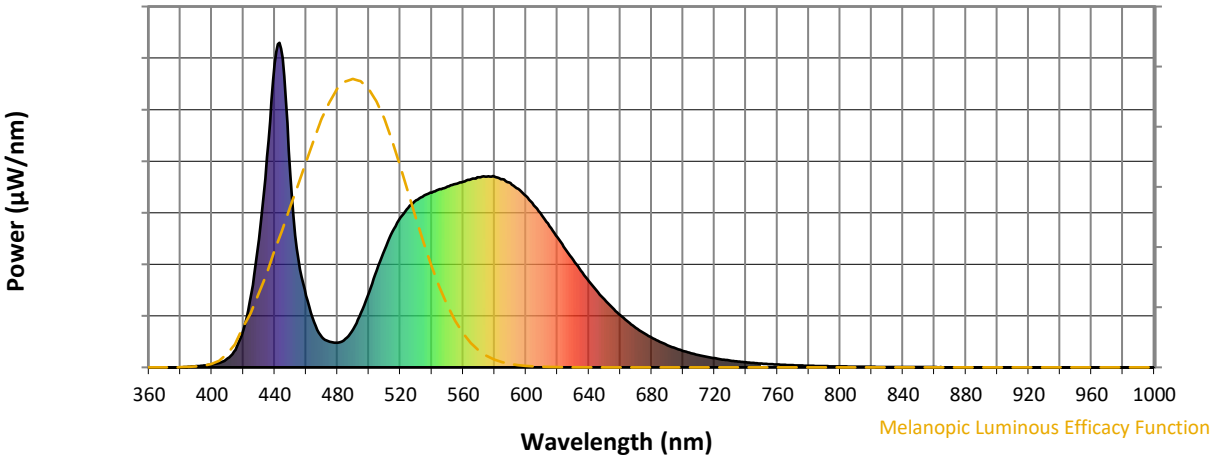


Scotopic Lumens: NR **S/P: 1.7**

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			

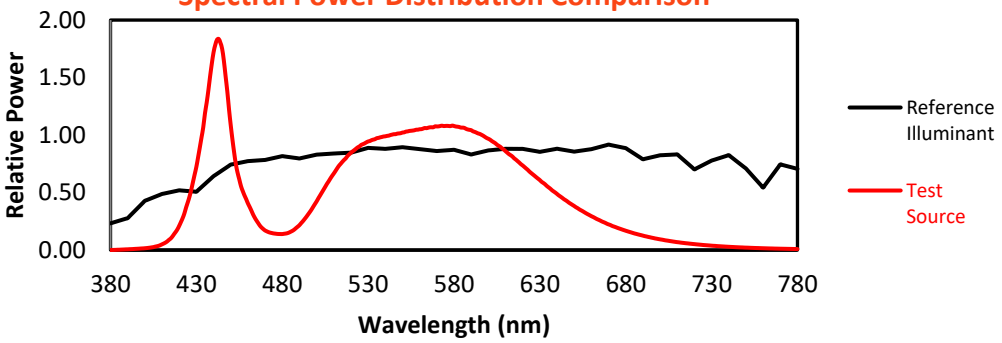
REPORT NUMBER: SP1-2407-184-6

TM-30-18

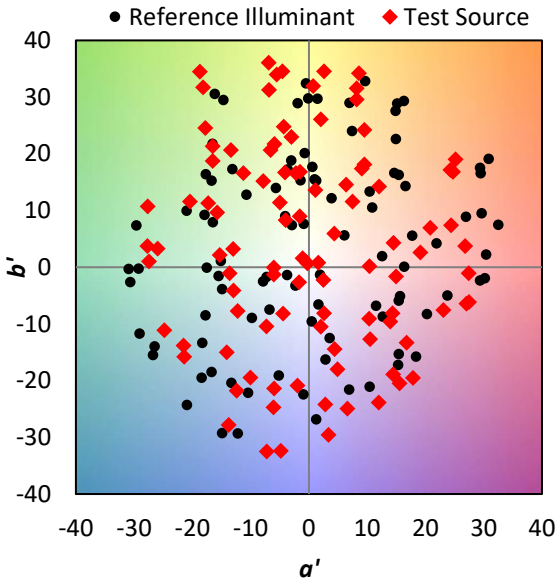
Summary

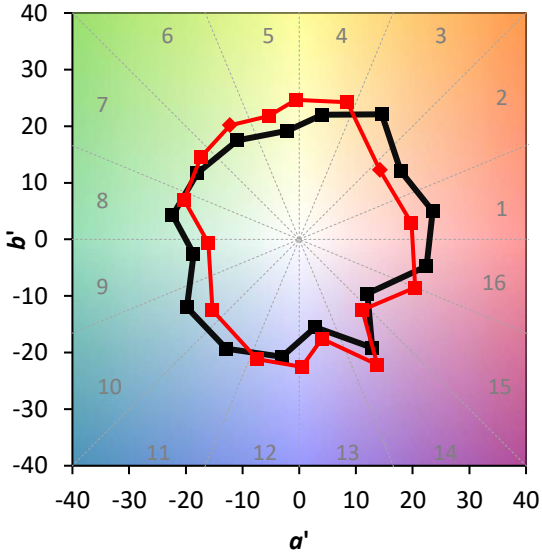
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

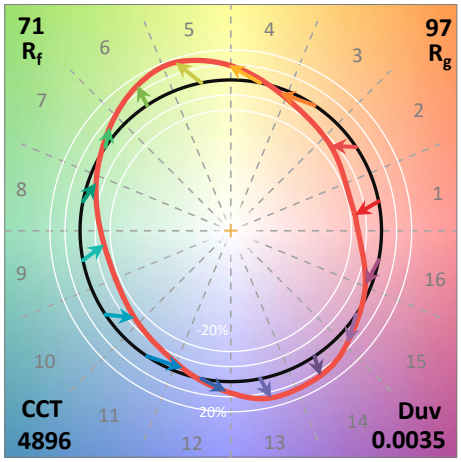
Spectral Power Distribution Comparison

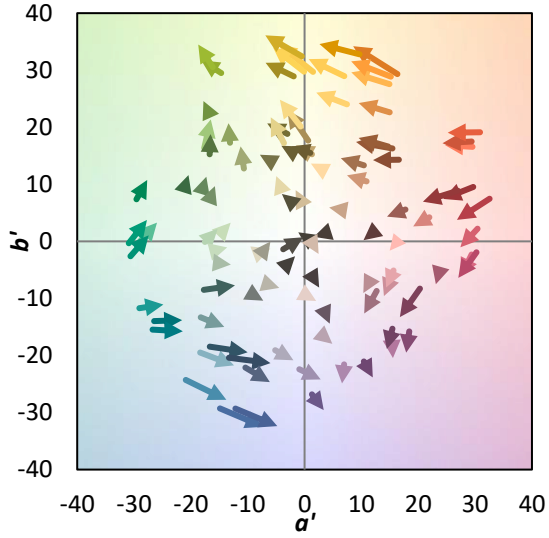


Color Vector Graphics







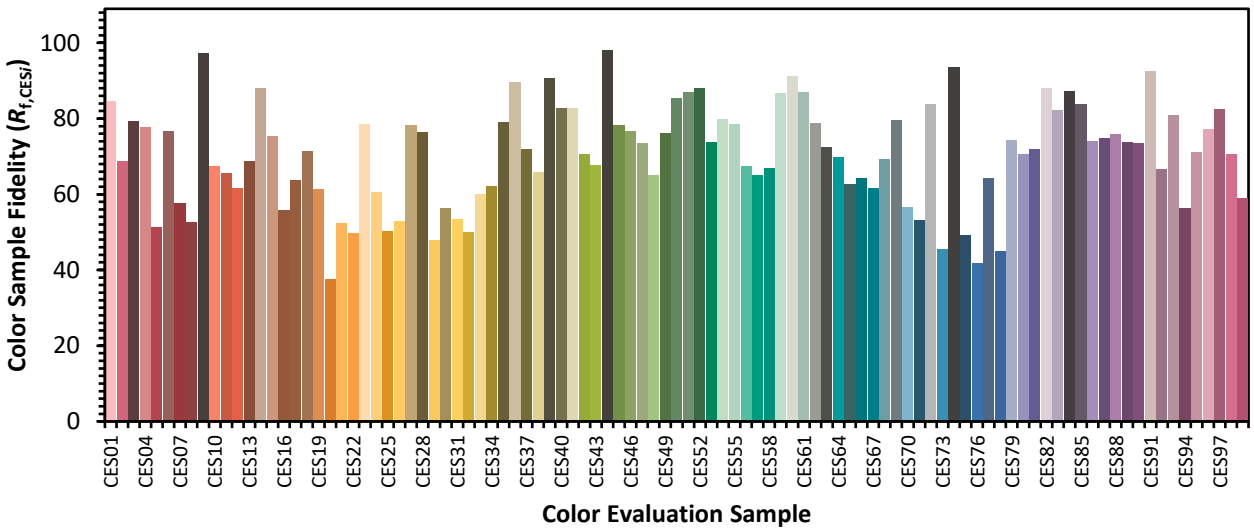


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

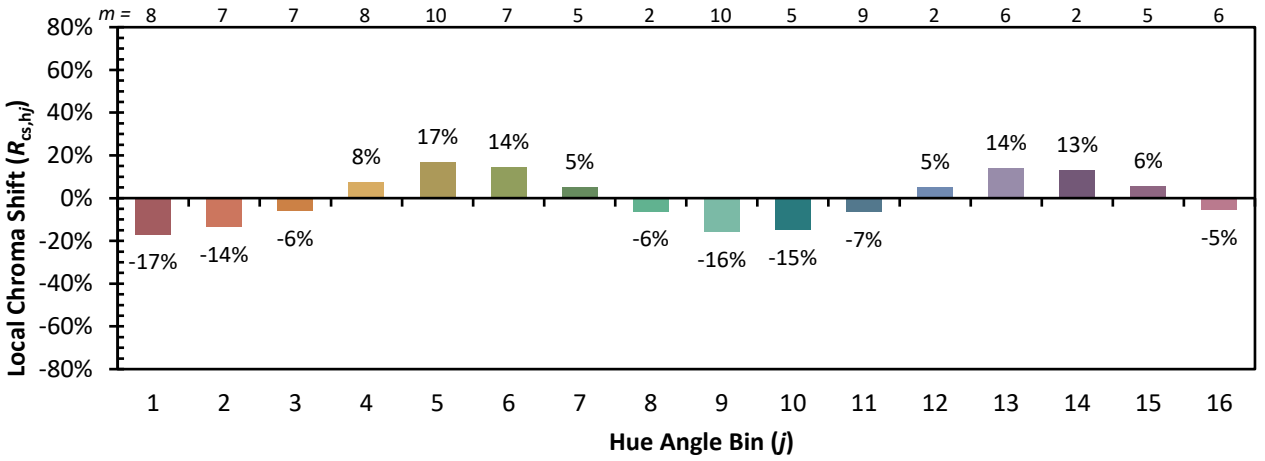
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82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

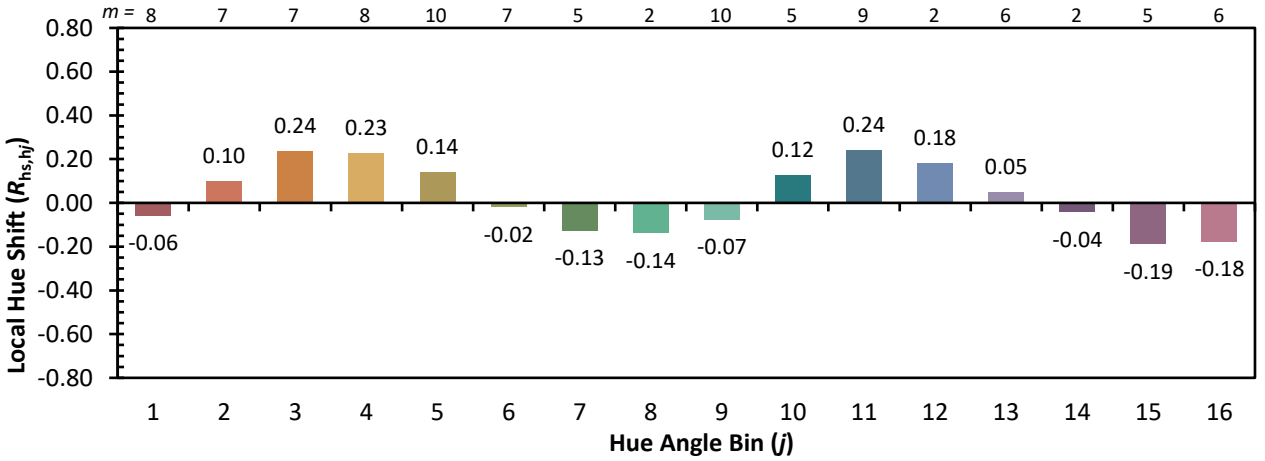


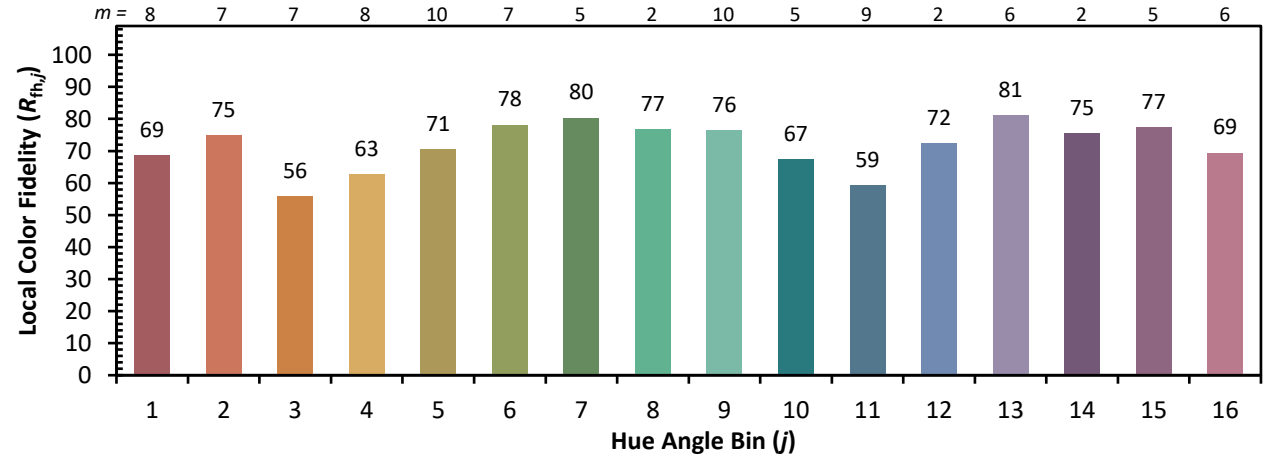
REPORT NUMBER: SP1-2407-184-6

TM-30-18

Color Rendition by Hue-Angle Bin



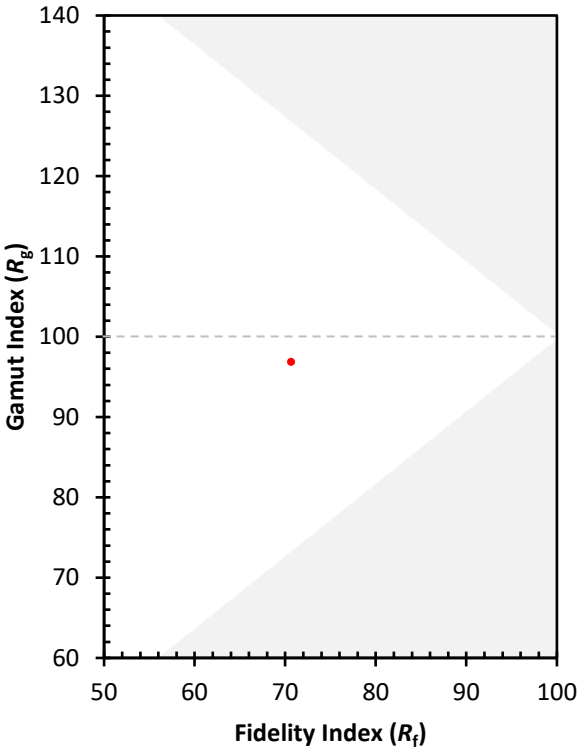


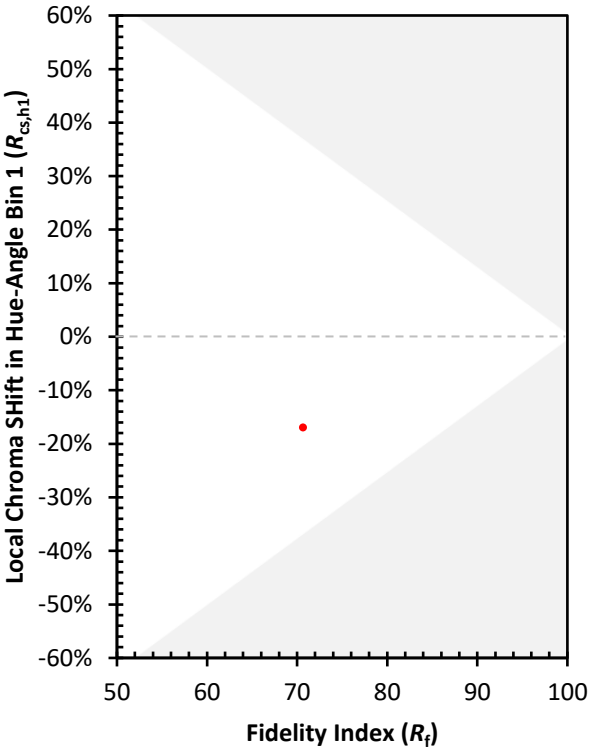


REPORT NUMBER: SP1-2407-184-6

TM-30-18

Measure Comparisons





(END OF REPORT)