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: P1364604

Luminaire Tested: **GSS-SB2B-735-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:	P1364604
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-735-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7916 lumens
Efficiency:	N/A
Efficacy:	107.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

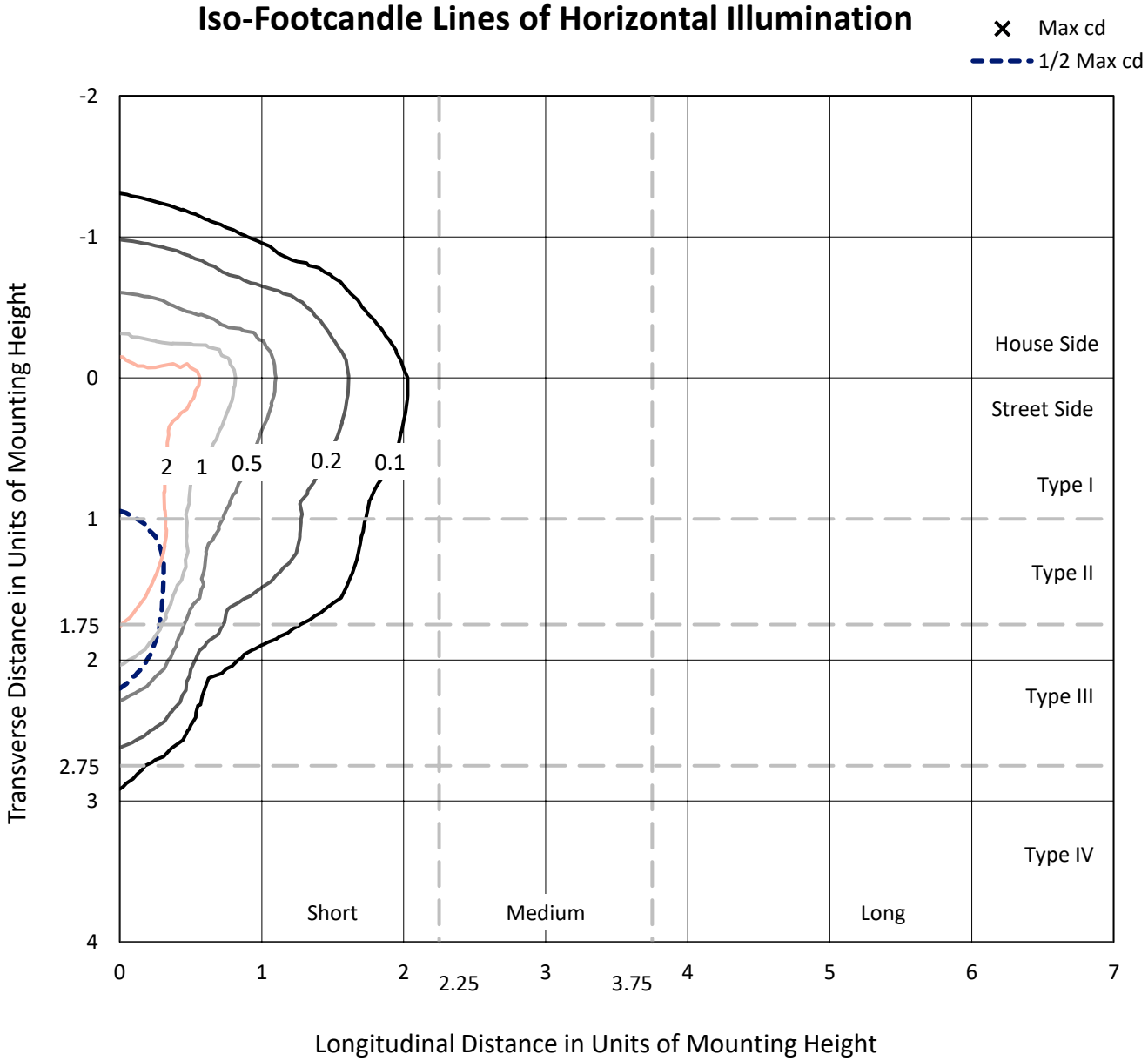
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination



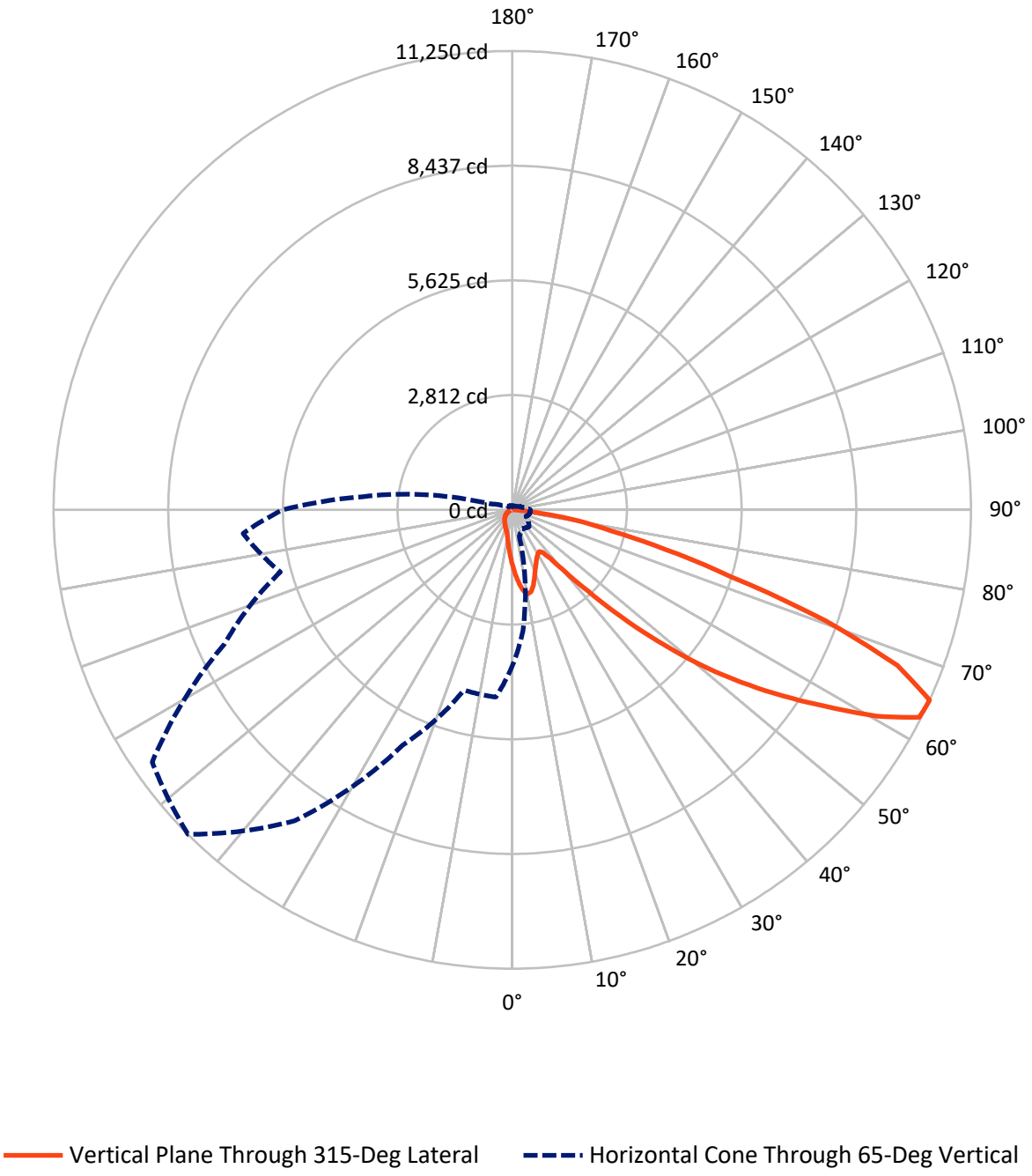
Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

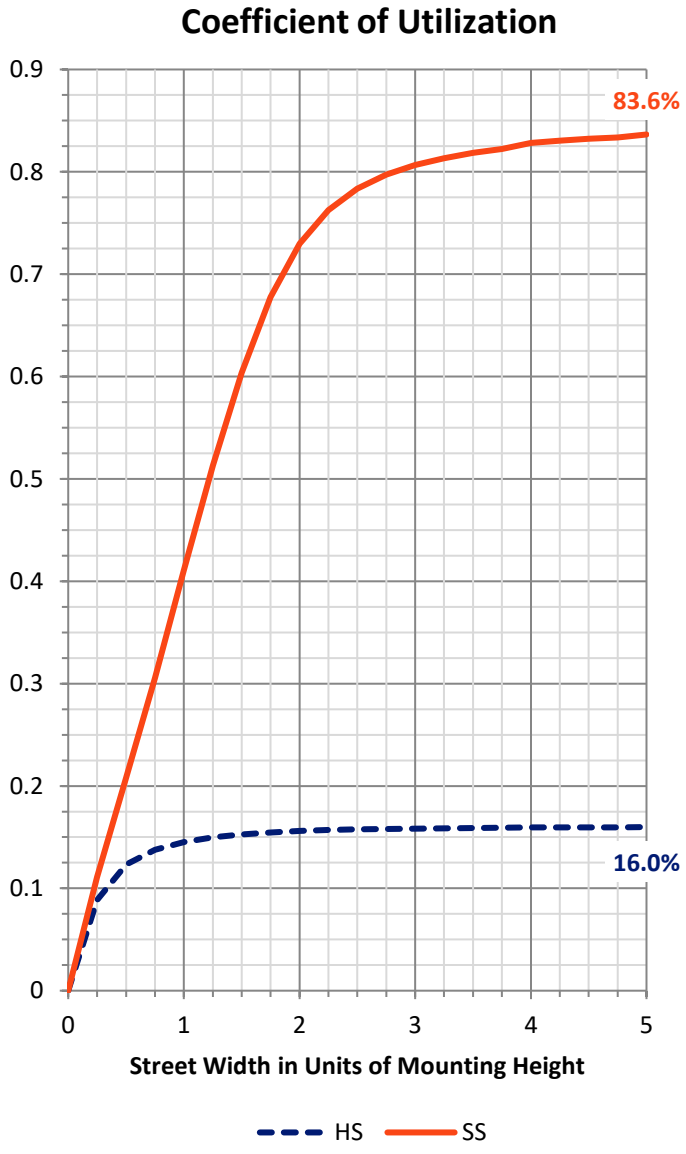
REPORT NUMBER: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1279.7	0.0	1279.7
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	6636.3	0.0	6636.3
	% Fixture	83.8	0.0	83.8
Total	Lumens	7916.0	0.0	7916.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	1.7
10°-20°	363.7	4.6
20°-30°	521.0	6.6
30°-40°	653.4	8.3
40°-50°	1073.4	13.6
50°-60°	1937.1	24.5
60°-70°	2149.7	27.2
70°-80°	971.3	12.3
80°-90°	114.8	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°	7916.0	100.0
0°-180°	7916.0	100.0



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

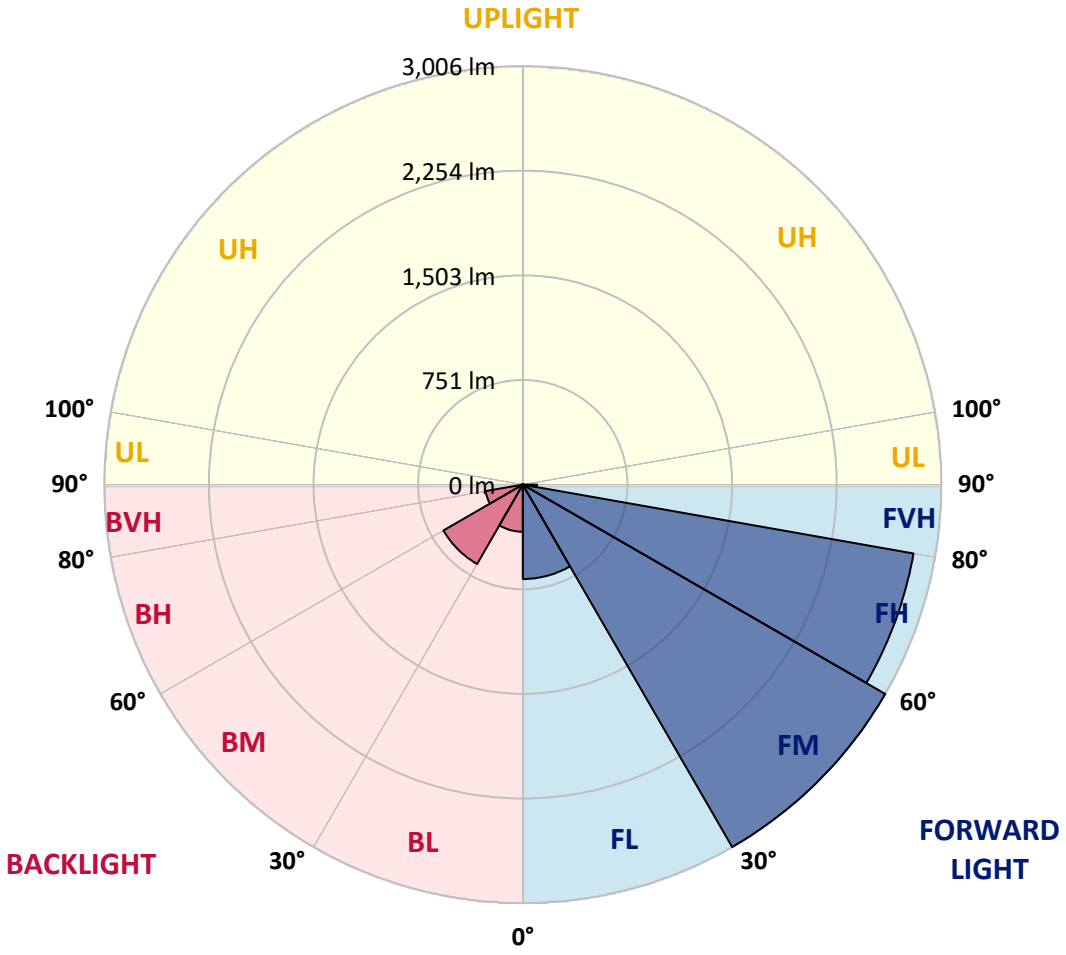
Scaled Data Report

REPORT NUMBER: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	678.1	8.6			
FM	(30°-60°)	3005.9	38.0			
FH	(60°-80°)	2849.2	36.0			G2/5000
FVH	(80°-90°)	103.1	1.3			G2/225
BL	(0°-30°)	338.1	4.3	B1/500		
BM	(30°-60°)	658.0	8.3	B1/1000		
BH	(60°-80°)	271.8	3.4	B1/500		G1/500
BVH	(80°-90°)	11.7	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: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5
2.5°	1543.5	1542.1	1536.2	1499.8	1463.3	1431.7	1400.1	1368.5	1324.8	1290.7	1261.6
5°	1689.4	1681.6	1650.5	1594.6	1533.8	1480.3	1419.6	1361.2	1295.6	1242.1	1186.2
7.5°	1789.0	1781.2	1750.1	1657.8	1565.4	1499.8	1434.1	1373.4	1300.4	1230.0	1149.7
10°	1835.2	1826.5	1791.5	1691.8	1584.8	1504.6	1439.0	1383.1	1322.3	1251.8	1152.2
12.5°	1866.8	1856.1	1813.3	1699.1	1589.7	1509.5	1441.4	1388.0	1344.2	1302.9	1205.6
15°	1886.3	1876.5	1837.6	1718.5	1592.1	1502.2	1422.0	1370.9	1356.4	1363.6	1317.5
17.5°	1915.4	1906.2	1869.2	1742.8	1606.7	1490.0	1380.7	1324.8	1356.4	1422.0	1436.6
20°	1954.3	1944.6	1905.7	1774.4	1618.9	1453.6	1302.9	1249.4	1329.6	1439.0	1514.4
22.5°	1998.1	1990.3	1959.2	1810.9	1631.0	1400.1	1200.8	1176.5	1273.7	1390.4	1487.6
25°	2051.5	2044.3	2015.1	1861.9	1643.2	1327.2	1113.3	1118.1	1200.8	1293.2	1392.8
27.5°	2124.5	2117.7	2090.4	1925.1	1657.8	1251.8	1042.8	1067.1	1127.9	1191.1	1251.8
30°	2204.7	2199.3	2177.9	2000.5	1686.9	1181.3	1001.5	1016.0	1057.4	1108.4	1144.9
32.5°	2314.1	2305.3	2270.3	2071.0	1684.5	1127.9	982.0	967.4	979.6	1020.9	1057.4
35°	2450.2	2443.4	2416.2	2143.9	1640.7	1079.2	972.3	921.3	914.0	938.3	974.7
37.5°	2649.5	2643.7	2620.3	2263.0	1572.7	1018.5	948.0	872.6	848.3	865.3	889.7
40°	2948.5	2933.4	2873.1	2399.1	1497.3	957.7	904.2	814.3	780.3	792.4	819.2
42.5°	3354.4	3325.7	3211.0	2581.4	1395.2	899.4	838.6	756.0	719.5	726.8	751.1
45°	3874.6	3831.3	3658.3	2831.8	1288.3	853.2	770.5	695.2	656.3	663.6	690.3
47.5°	4482.3	4423.0	4185.7	3094.3	1174.0	826.5	717.1	634.4	605.3	622.3	649.0
50°	5199.4	5139.6	4900.4	3262.1	1081.7	809.4	675.7	578.5	566.4	588.2	610.1
52.5°	5982.0	5897.0	5556.7	3155.1	1006.3	794.9	661.2	539.6	544.5	561.5	583.4
55°	6742.9	6553.8	5797.3	2800.2	909.1	777.8	670.9	510.5	522.6	544.5	561.5
57.5°	7238.7	6910.1	5595.6	2255.7	807.0	758.4	678.2	495.9	505.6	529.9	549.3
60°	6806.1	6475.5	5153.2	1689.4	719.5	717.1	666.0	491.0	476.4	510.5	527.5
62.5°	5576.1	5303.9	4214.9	1079.2	636.9	639.3	639.3	488.6	427.8	471.6	486.1
65°	*3830.8*	*3660.7*	*2980.1*	*668.5*	*520.2*	*544.5*	*580.9*	*474.0*	*376.8*	*427.8*	*442.4*
67.5°	2518.2	2393.3	1893.5	413.2	401.1	447.3	503.2	444.8	337.9	384.1	393.8
70°	1366.1	1271.3	892.1	272.2	262.5	350.0	396.2	376.8	303.8	342.7	352.5
72.5°	901.8	824.0	512.9	192.0	192.0	274.7	277.1	308.7	272.2	303.8	313.6
75°	678.2	608.7	330.6	133.7	148.3	175.0	216.3	221.2	228.5	257.7	269.8
77.5°	311.1	273.2	121.5	80.2	109.4	121.5	165.3	141.0	170.2	192.0	196.9
80°	179.9	157.5	68.1	53.5	70.5	77.8	136.1	82.6	102.1	136.1	143.4
82.5°	75.4	67.1	34.0	36.5	43.8	46.2	75.4	58.3	65.6	89.9	87.5
85°	21.9	21.9	21.9	24.3	26.7	26.7	43.8	41.3	38.9	41.3	41.3
87.5°	14.6	14.6	14.6	14.6	17.0	17.0	19.4	21.9	24.3	24.3	24.3
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: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5
2.5°	1249.4	1232.4	1210.5	1178.9	1174.0	1157.0	1144.9	1157.0	1169.2	1191.1	1193.5
5°	1157.0	1130.3	1079.2	1040.4	996.6	974.7	972.3	967.4	982.0	1013.6	1033.1
7.5°	1106.0	1062.2	969.9	901.8	841.0	819.2	802.1	816.7	814.3	855.6	872.6
10°	1093.8	1025.8	896.9	794.9	719.5	690.3	673.3	670.9	675.7	700.1	717.1
12.5°	1137.6	1050.1	867.8	717.1	629.6	598.0	578.5	561.5	561.5	566.4	588.2
15°	1234.8	1130.3	884.8	680.6	585.8	544.5	512.9	491.0	474.0	476.4	478.9
17.5°	1370.9	1247.0	928.5	668.5	559.1	515.3	476.4	454.5	435.1	430.2	430.2
20°	1477.9	1358.8	962.6	658.7	537.2	481.3	447.3	427.8	410.8	403.5	403.5
22.5°	1490.0	1405.0	991.7	646.6	510.5	447.3	415.7	398.6	386.5	384.1	384.1
25°	1409.8	1368.5	982.0	632.0	483.7	415.7	391.3	376.8	364.6	362.2	364.6
27.5°	1276.1	1254.3	948.0	612.5	461.8	391.3	369.5	357.3	345.2	342.7	345.2
30°	1157.0	1132.7	889.7	580.9	444.8	371.9	347.6	335.4	323.3	323.3	325.7
32.5°	1059.8	1035.5	831.3	544.5	422.9	350.0	328.1	316.0	303.8	303.8	308.7
35°	972.3	952.8	785.1	508.0	401.1	330.6	306.3	296.6	286.8	284.4	289.3
37.5°	896.9	887.2	743.8	469.1	379.2	311.1	289.3	279.5	267.4	265.0	269.8
40°	824.0	819.2	697.6	435.1	352.5	291.7	269.8	260.1	245.5	245.5	250.4
42.5°	756.0	753.5	656.3	413.2	328.1	272.2	247.9	238.2	226.1	226.1	230.9
45°	702.5	700.1	617.4	401.1	303.8	250.4	228.5	216.3	206.6	209.0	213.9
47.5°	653.9	649.0	576.1	403.5	291.7	235.8	206.6	194.5	187.2	192.0	199.3
50°	615.0	610.1	546.9	405.9	272.2	216.3	189.6	177.4	172.6	179.9	187.2
52.5°	590.7	585.8	517.7	391.3	247.9	201.8	172.6	165.3	165.3	172.6	177.4
55°	566.4	561.5	469.1	359.7	221.2	187.2	160.4	155.6	155.6	162.9	167.7
57.5°	551.8	542.1	418.1	323.3	199.3	170.2	148.3	148.3	148.3	150.7	153.1
60°	529.9	505.6	364.6	277.1	182.3	153.1	138.6	136.1	136.1	133.7	136.1
62.5°	483.7	442.4	306.3	235.8	162.9	138.6	126.4	124.0	116.7	109.4	111.8
65°	*437.5*	*374.3*	*243.1*	*196.9*	*141.0*	*119.1*	*111.8*	*109.4*	*97.2*	*87.5*	*89.9*
67.5°	379.2	299.0	182.3	165.3	121.5	102.1	94.8	94.8	87.5	80.2	80.2
70°	337.9	233.4	153.1	124.0	97.2	80.2	80.2	85.1	77.8	68.1	68.1
72.5°	299.0	189.6	124.0	99.7	75.4	63.2	68.1	70.5	63.2	55.9	55.9
75°	255.2	148.3	97.2	77.8	55.9	48.6	51.0	55.9	51.0	43.8	46.2
77.5°	184.7	102.1	65.6	51.0	41.3	36.5	38.9	38.9	36.5	34.0	34.0
80°	128.8	68.1	43.8	34.0	29.2	26.7	26.7	24.3	24.3	26.7	26.7
82.5°	77.8	48.6	31.6	26.7	21.9	17.0	17.0	19.4	19.4	21.9	21.9
85°	34.0	29.2	21.9	19.4	14.6	12.2	14.6	14.6	17.0	19.4	19.4
87.5°	21.9	21.9	17.0	14.6	12.2	9.7	9.7	12.2	12.2	14.6	17.0
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: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5
2.5°	1203.2	1227.5	1256.7	1298.0	1334.5	1378.2	1422.0	1463.3	1502.2	1507.1	1524.1
5°	1047.6	1093.8	1152.2	1220.2	1302.9	1390.4	1475.5	1565.4	1638.3	1665.1	1703.9
7.5°	887.2	945.6	1030.6	1135.2	1251.8	1383.1	1514.4	1640.7	1750.1	1801.2	1852.2
10°	734.1	790.0	894.5	1020.9	1171.6	1349.1	1524.1	1694.2	1827.9	1886.3	1934.9
12.5°	595.5	651.4	736.5	882.4	1064.7	1278.6	1509.5	1713.7	1861.9	1922.7	1968.9
15°	486.1	532.3	612.5	748.7	940.7	1181.3	1458.4	1699.1	1869.2	1927.6	1961.6
17.5°	427.8	440.0	491.0	615.0	824.0	1093.8	1392.8	1679.6	1874.1	1927.6	1947.0
20°	403.5	403.5	413.2	478.9	683.0	1001.5	1344.2	1667.5	1881.4	1934.9	1932.4
22.5°	381.6	386.5	386.5	401.1	520.2	872.6	1293.2	1662.6	1903.3	1944.6	1910.6
25°	362.2	369.5	369.5	374.3	408.4	719.5	1230.0	1672.3	1942.2	1964.0	1896.0
27.5°	345.2	352.5	352.5	357.3	364.6	534.8	1125.4	1674.8	1985.9	1988.3	1876.5
30°	328.1	335.4	340.3	340.3	345.2	393.8	994.2	1660.2	2034.5	2019.9	1874.1
32.5°	308.7	318.4	320.9	325.7	328.1	342.7	824.0	1635.9	2095.3	2063.7	1876.5
35°	291.7	303.8	306.3	306.3	311.1	325.7	658.7	1609.1	2177.9	2122.0	1886.3
37.5°	274.7	284.4	286.8	289.3	294.1	308.7	522.6	1570.3	2248.4	2195.0	1934.9
40°	255.2	267.4	269.8	272.2	277.1	291.7	449.7	1521.6	2355.4	2316.5	2007.8
42.5°	235.8	247.9	252.8	255.2	257.7	277.1	410.8	1487.6	2528.0	2486.6	2156.1
45°	218.8	230.9	235.8	235.8	240.6	267.4	376.8	1563.0	2766.2	2746.7	2355.4
47.5°	204.2	216.3	218.8	218.8	221.2	252.8	347.6	1764.7	3130.8	3079.7	2666.5
50°	192.0	201.8	206.6	201.8	204.2	240.6	364.6	2097.7	3597.5	3614.5	3123.5
52.5°	182.3	192.0	194.5	184.7	184.7	223.6	386.5	2370.0	4193.0	4348.6	3847.9
55°	170.2	179.9	182.3	170.2	170.2	196.9	335.4	2387.0	4871.2	5371.9	4791.0
57.5°	158.0	167.7	167.7	158.0	155.6	170.2	272.2	2117.2	5396.2	6531.4	6081.7
60°	143.4	153.1	150.7	145.8	141.0	155.6	250.4	1614.0	5325.8	7287.4	7562.0
62.5°	116.7	131.3	136.1	133.7	124.0	141.0	233.4	1052.5	4608.7	6631.1	7515.8
65°	*97.2*	*109.4*	*116.7*	*116.7*	*109.4*	*155.6*	*204.2*	*554.2*	*3689.9*	*5627.2*	*6626.2*
67.5°	85.1	97.2	102.1	99.7	94.8	138.6	128.8	267.4	2829.4	4849.3	5931.0
70°	75.4	85.1	89.9	82.6	77.8	111.8	92.4	158.0	1893.5	4047.2	5282.0
72.5°	60.8	70.5	75.4	68.1	60.8	82.6	70.5	104.5	1232.4	3449.2	4693.8
75°	48.6	58.3	60.8	55.9	48.6	60.8	55.9	72.9	804.6	2853.7	3991.3
77.5°	36.5	41.3	46.2	43.8	36.5	43.8	38.9	51.0	459.4	2002.9	2800.2
80°	29.2	31.6	31.6	31.6	29.2	26.7	26.7	34.0	206.6	986.9	1460.9
82.5°	24.3	26.7	26.7	24.3	21.9	19.4	17.0	19.4	60.8	442.4	673.3
85°	21.9	24.3	19.4	17.0	14.6	12.2	7.3	7.3	17.0	70.5	131.3
87.5°	17.0	14.6	12.2	9.7	4.9	2.4	2.4	0.0	2.4	2.4	2.4
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: P1364604
CATALOG NUMBER: GSS-SB2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1368.5	1368.5	1368.5	*1368.5*	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5
2.5°	1550.8	1575.1	1592.1	*1606.7*	1601.9	1589.7	1565.4	1548.4	1544.5	1543.5
5°	1755.0	1793.9	1827.9	*1823.1*	1827.9	1791.5	1755.0	1711.2	1693.7	1689.4
7.5°	1925.1	1973.8	2015.1	*2010.2*	1995.6	1954.3	1893.5	1827.9	1796.8	1789.0
10°	2017.5	2073.4	2107.5	*2095.3*	2071.0	2017.5	1956.7	1879.0	1844.0	1835.2
12.5°	2034.5	2071.0	2063.7	*2058.8*	2054.0	2027.2	1981.1	1910.6	1875.6	1866.8
15°	1990.8	1976.2	1934.9	*1925.1*	1961.6	1995.6	1985.9	1927.6	1894.5	1886.3
17.5°	1917.9	1842.5	1767.1	*1757.4*	1818.2	1913.0	1988.3	1954.3	1923.2	1915.4
20°	1837.6	1696.7	1614.0	*1597.0*	1672.3	1813.3	1961.6	1981.1	1959.7	1954.3
22.5°	1742.8	1577.5	1490.0	*1480.3*	1536.2	1701.5	1922.7	2010.2	2000.5	1998.1
25°	1660.2	1473.0	1390.4	*1375.8*	1448.7	1609.1	1883.8	2058.8	2053.0	2051.5
27.5°	1592.1	1397.7	1310.2	*1300.4*	1370.9	1531.4	1835.2	2100.2	2119.6	2124.5
30°	1538.7	1341.8	1254.3	*1242.1*	1319.9	1477.9	1801.2	2158.5	2195.4	2204.7
32.5°	1497.3	1310.2	1227.5	*1220.2*	1302.9	1456.0	1781.7	2219.3	2295.1	2314.1
35°	1482.8	1319.9	1264.0	*1281.0*	1344.2	1477.9	1796.3	2318.9	2423.9	2450.2
37.5°	1514.4	1426.8	1465.7	*1509.5*	1533.8	1582.4	1864.4	2479.4	2615.5	2649.5
40°	1616.4	1713.7	1896.0	*1981.1*	1971.3	1859.5	2019.9	2705.4	2899.9	2948.5
42.5°	1876.5	2192.5	2579.0	*2722.4*	2639.8	2301.9	2267.9	3077.3	3299.0	3354.4
45°	2263.0	2771.0	3405.5	*3728.8*	3444.4	2863.4	2659.2	3607.2	3821.1	3874.6
47.5°	2649.5	3417.6	4426.4	*4810.4*	4251.4	3420.1	3172.1	4241.6	4434.2	4482.3
50°	3043.3	4132.3	5444.9	*5957.7*	5055.9	3986.4	3716.6	5024.3	5164.3	5199.4
52.5°	3449.2	4771.5	6567.9	*7010.3*	5897.0	4423.9	4338.9	5877.5	5961.1	5982.0
55°	3901.3	5376.8	7693.3	*8050.6*	6662.7	4805.6	5068.1	6769.6	6748.2	6742.9
57.5°	4504.2	6013.6	8600.0	*9098.3*	7357.8	5320.9	6042.8	7761.4	7343.3	7238.7
60°	5556.7	7003.0	9727.8	*10269.9*	8288.8	6074.4	6759.9	7739.5	6992.8	6806.1
62.5°	6776.9	7955.8	10748.7	*11205.7*	9268.4	6823.1	6188.7	6499.8	5760.9	5576.1
65°	*5887.3*	*7788.1*	*10780.3*	*11249.5*	*9304.9*	*6366.1*	*4574.7*	*4608.7*	*3986.4*	*3830.8*
67.5°	5009.8	6903.3	9817.8	*10187.2*	8301.0	5262.6	3033.6	3006.8	2616.0	2518.2
70°	4460.4	6047.7	8461.4	*8143.0*	6978.7	4448.3	2015.1	1669.9	1426.8	1366.1
72.5°	4008.3	4798.3	6857.1	*5612.6*	5790.0	3619.4	1281.0	1137.6	949.0	901.8
75°	3629.1	3969.4	4278.1	*3879.5*	4112.8	2982.5	1086.5	877.5	718.0	678.2
77.5°	2887.7	3089.5	2532.8	*2459.9*	2880.4	2122.0	539.6	369.5	322.8	311.1
80°	1718.5	1460.9	1436.6	*1638.3*	1917.9	1101.1	330.6	204.2	184.7	179.9
82.5°	1040.4	527.5	573.7	*724.4*	1020.9	500.7	196.9	87.5	77.8	75.4
85°	175.0	143.4	221.2	*211.5*	199.3	107.0	53.5	24.3	22.4	21.9
87.5°	4.9	7.3	9.7	*12.2*	12.2	12.2	12.2	12.2	14.1	14.6
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

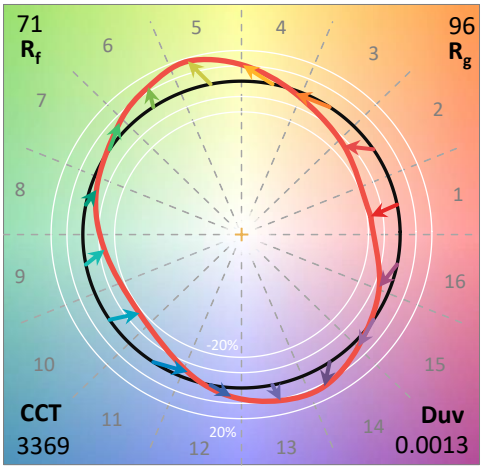
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

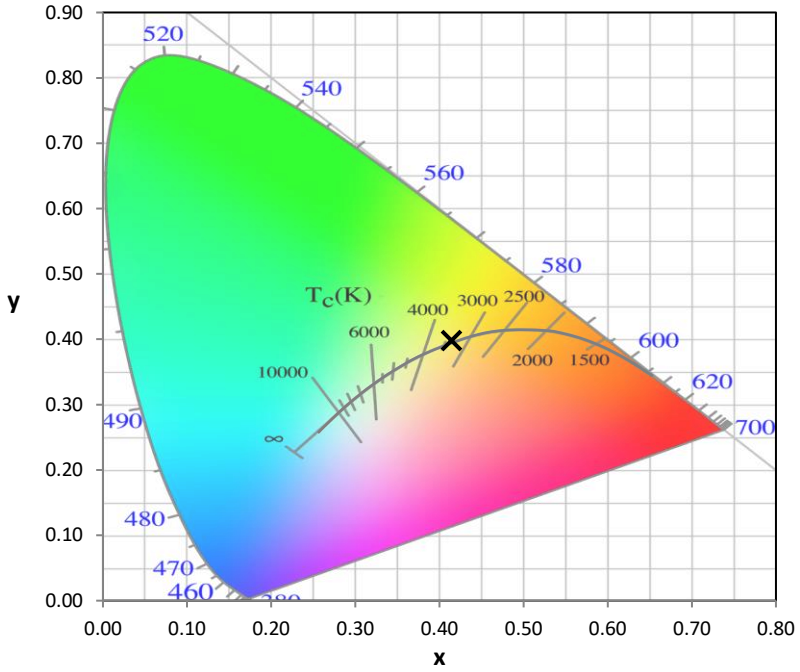
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

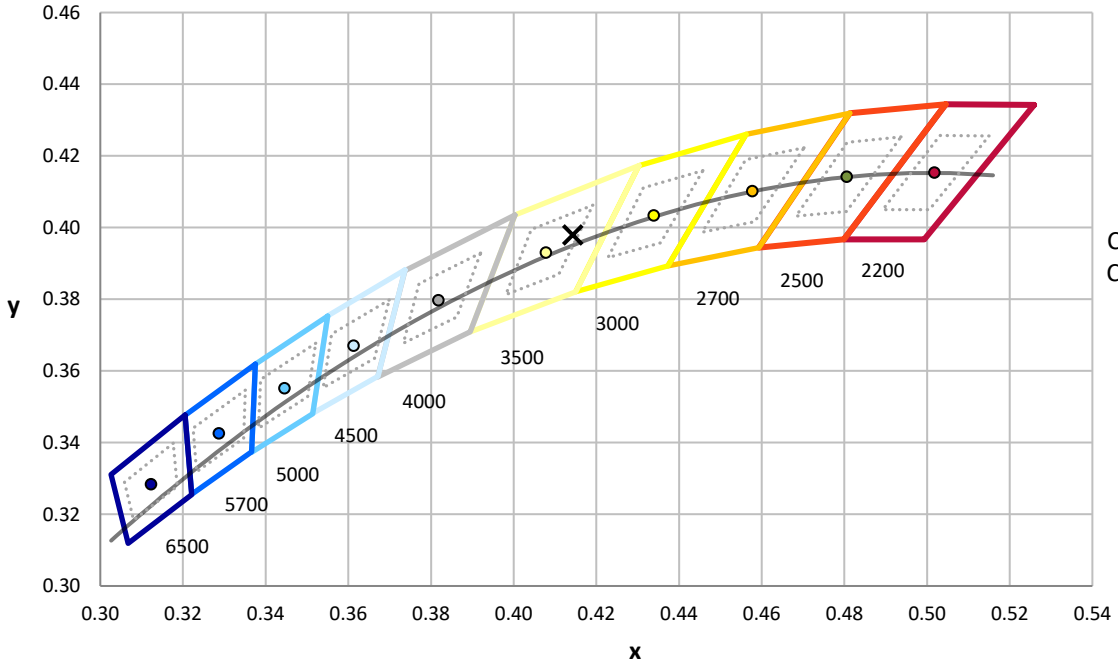
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

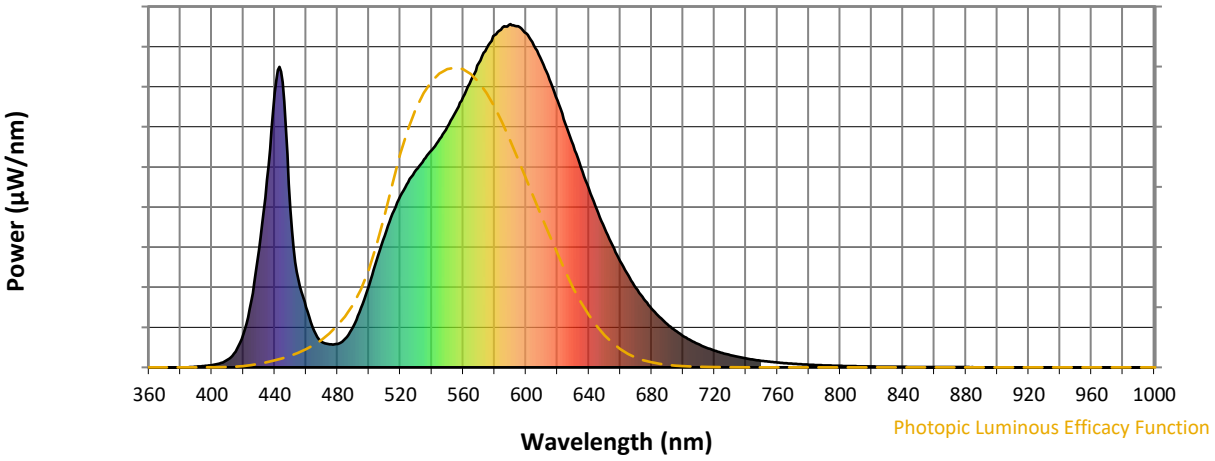


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

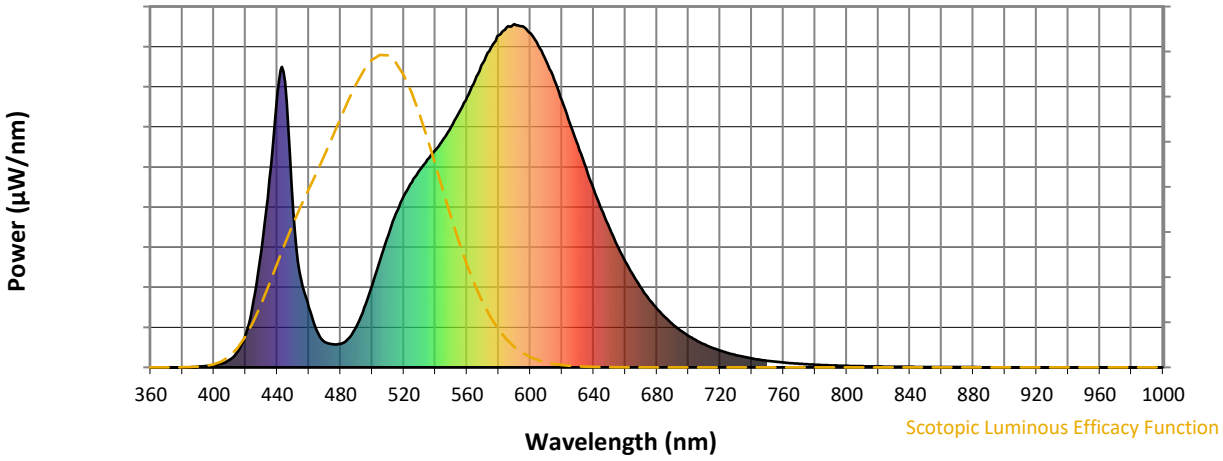


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

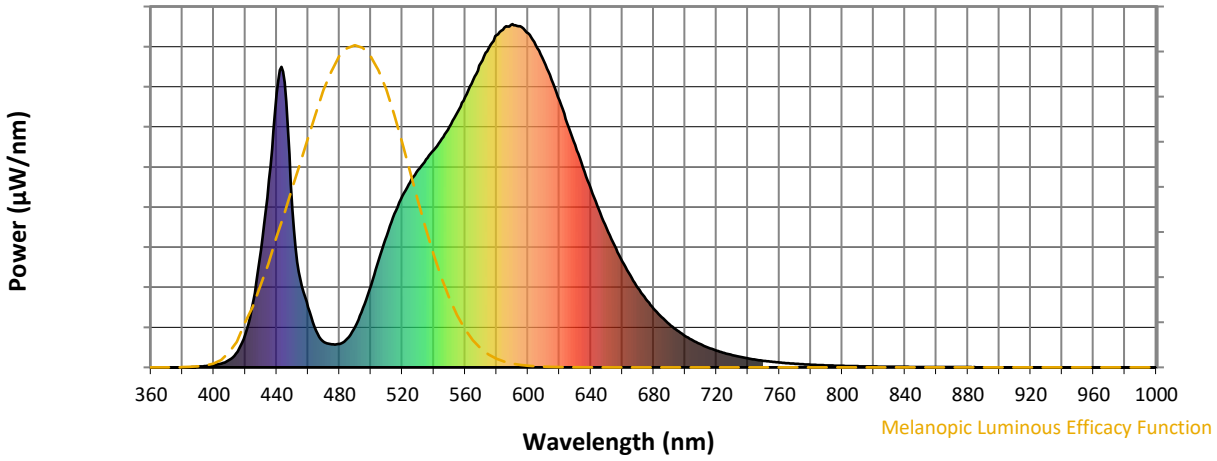


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

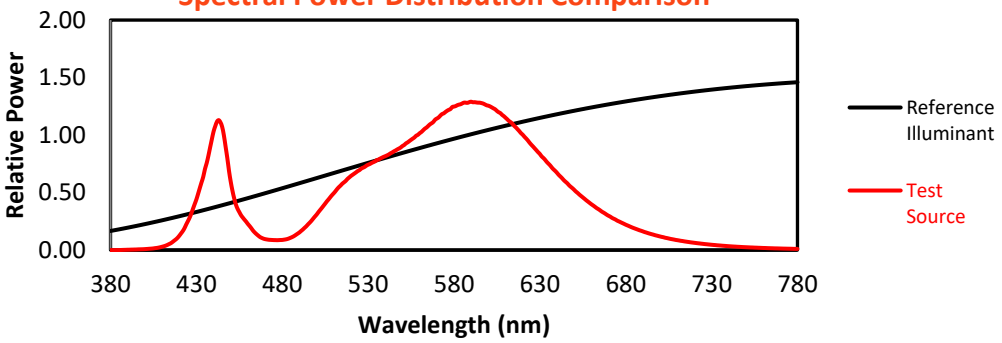
REPORT NUMBER: SP1-2407-184-5

TM-30-18

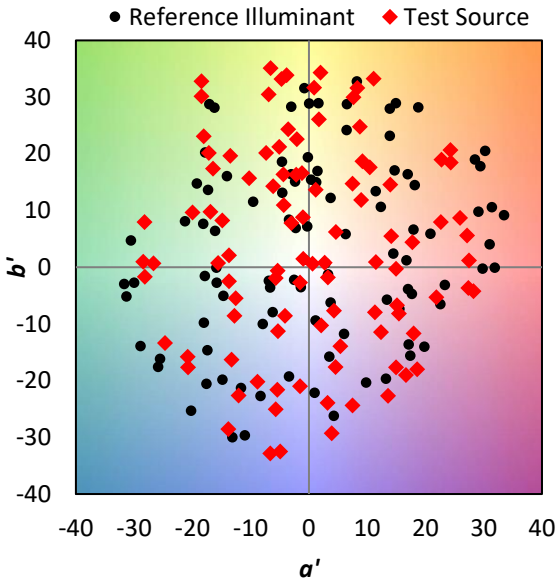
Summary

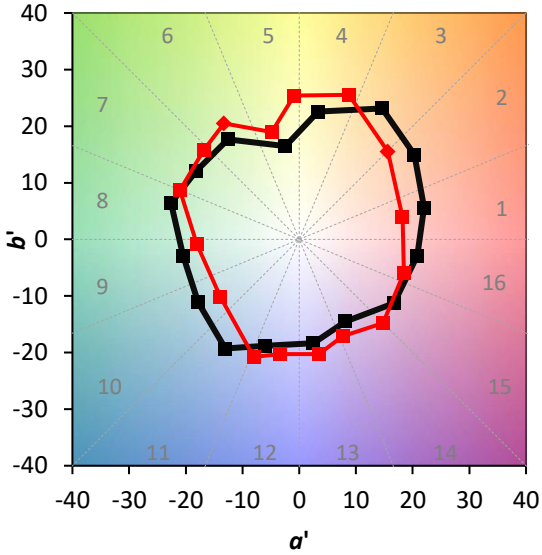
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

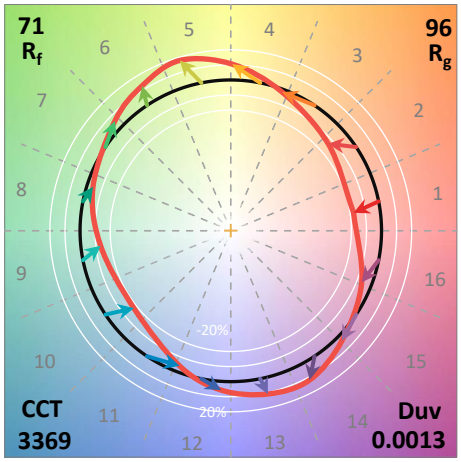
Spectral Power Distribution Comparison

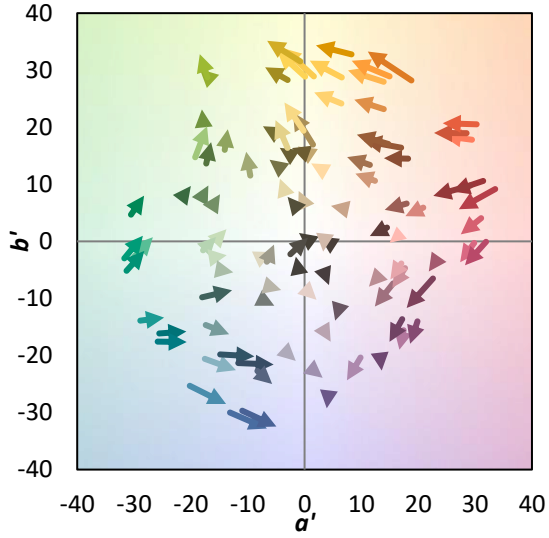


Color Vector Graphics







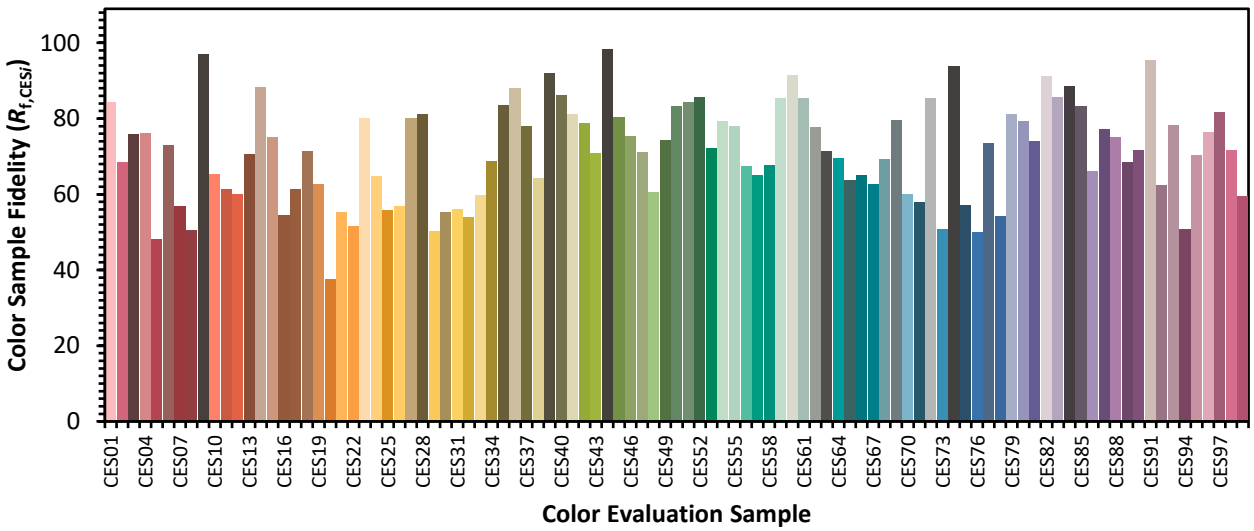


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

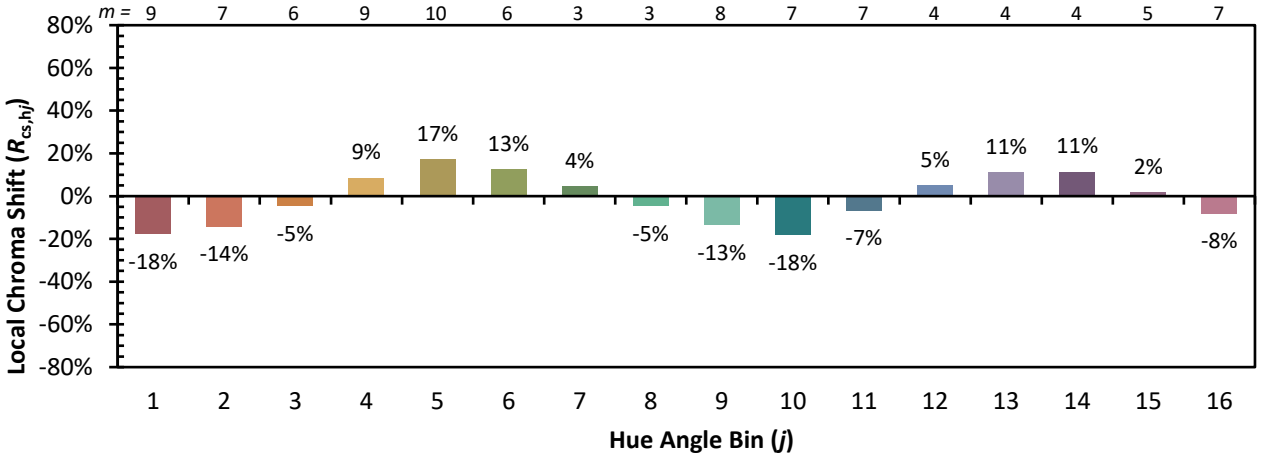
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

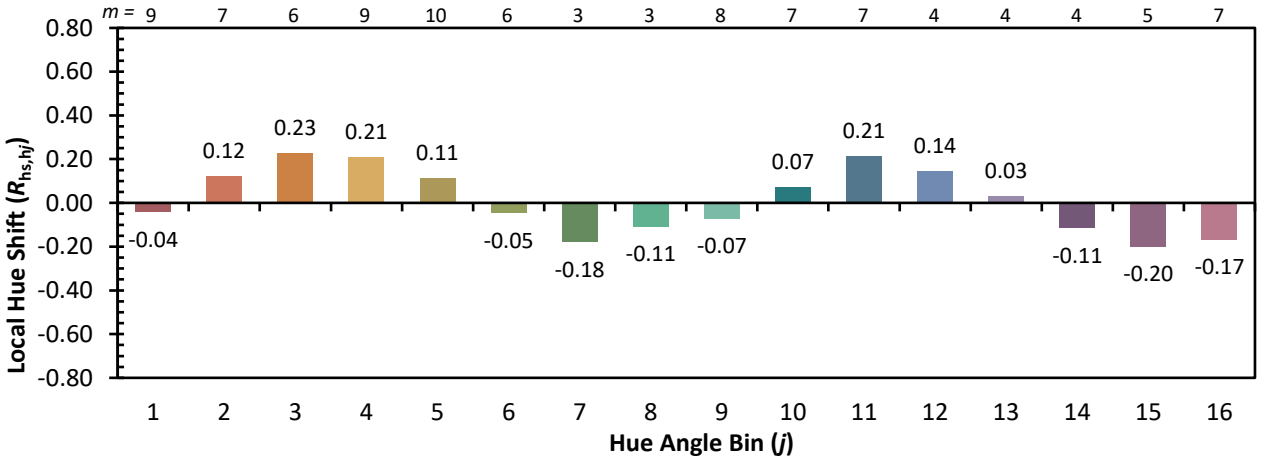


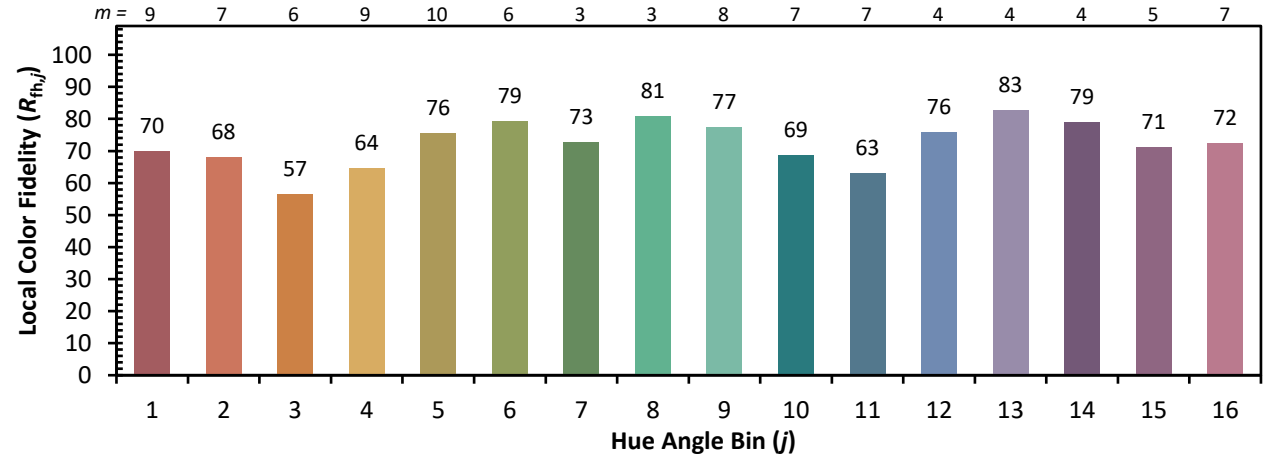
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



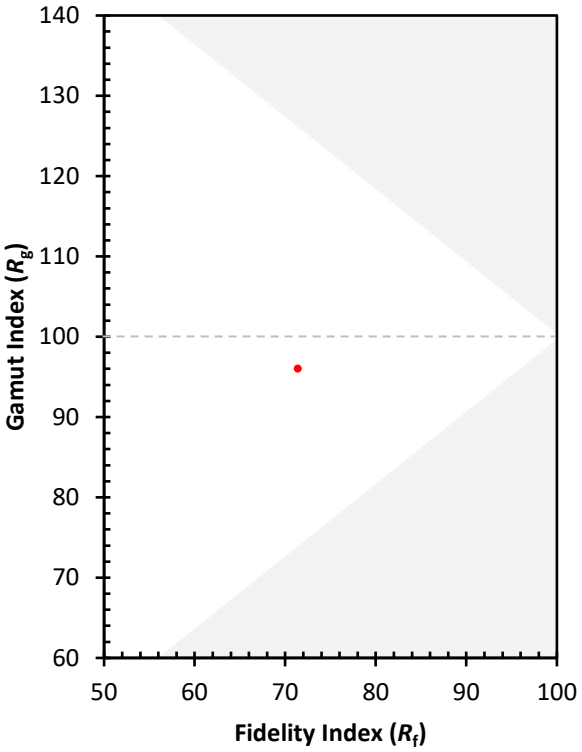


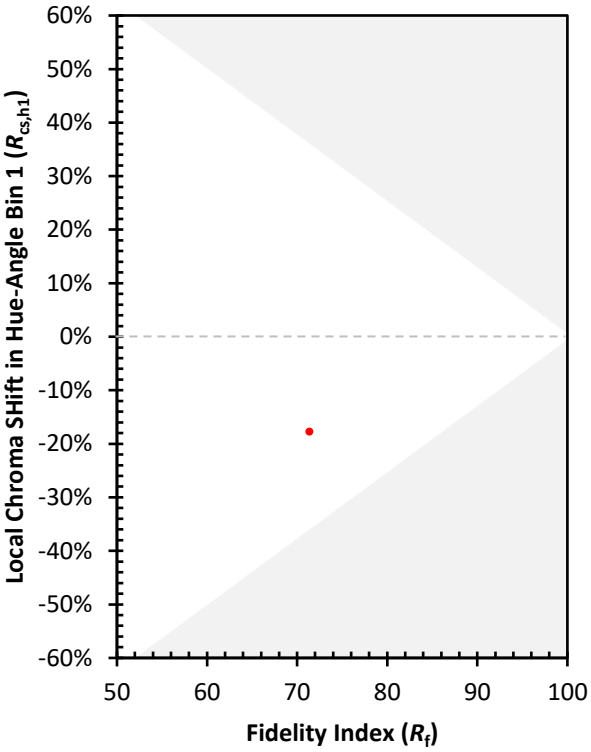


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)