Signify Classified - Internal

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: P1364533

Luminaire Tested: **GSS-SB2C-722-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:	P1364533
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8627.3 lumens
Efficiency:	N/A
Efficacy:	84.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

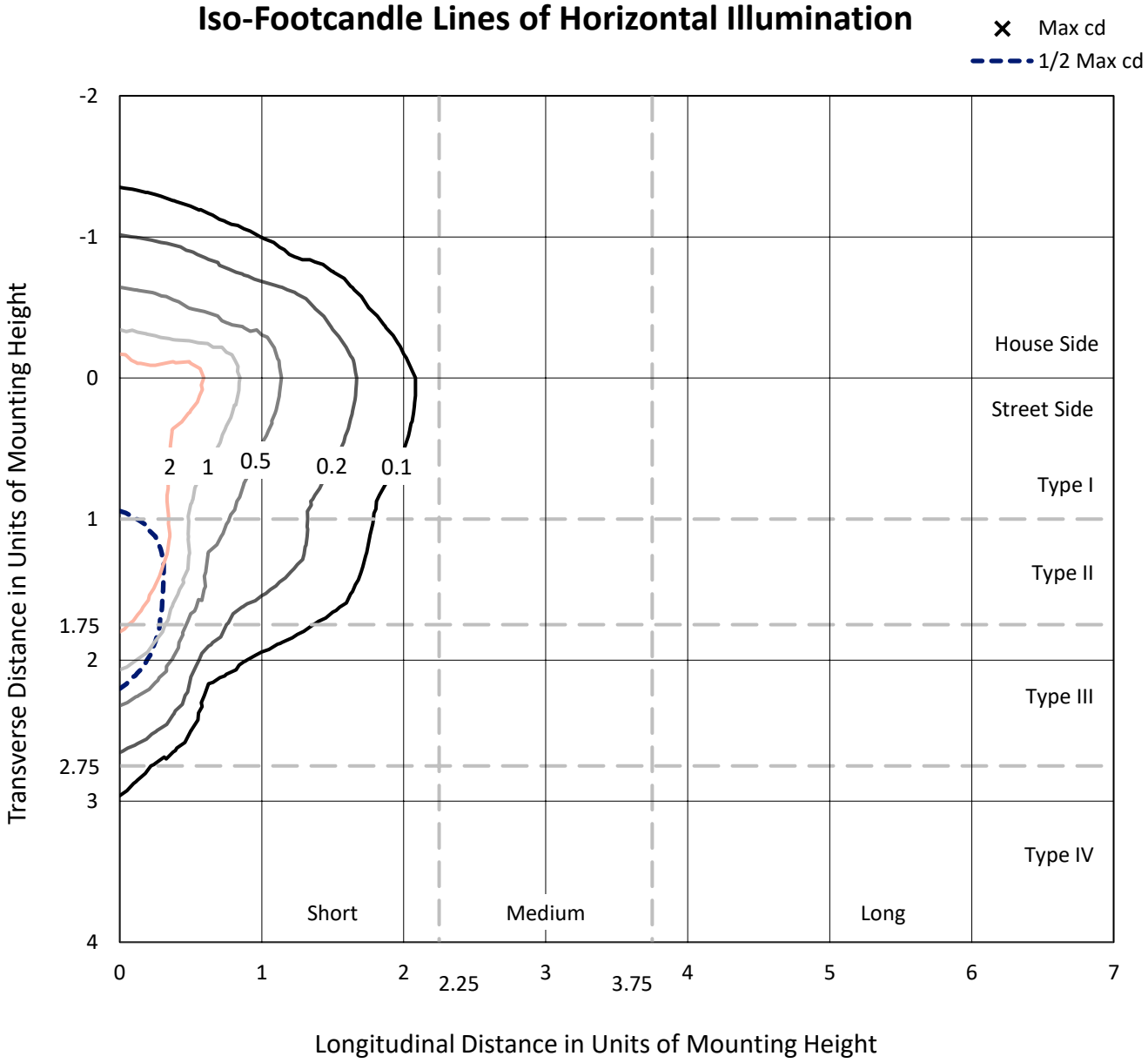
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



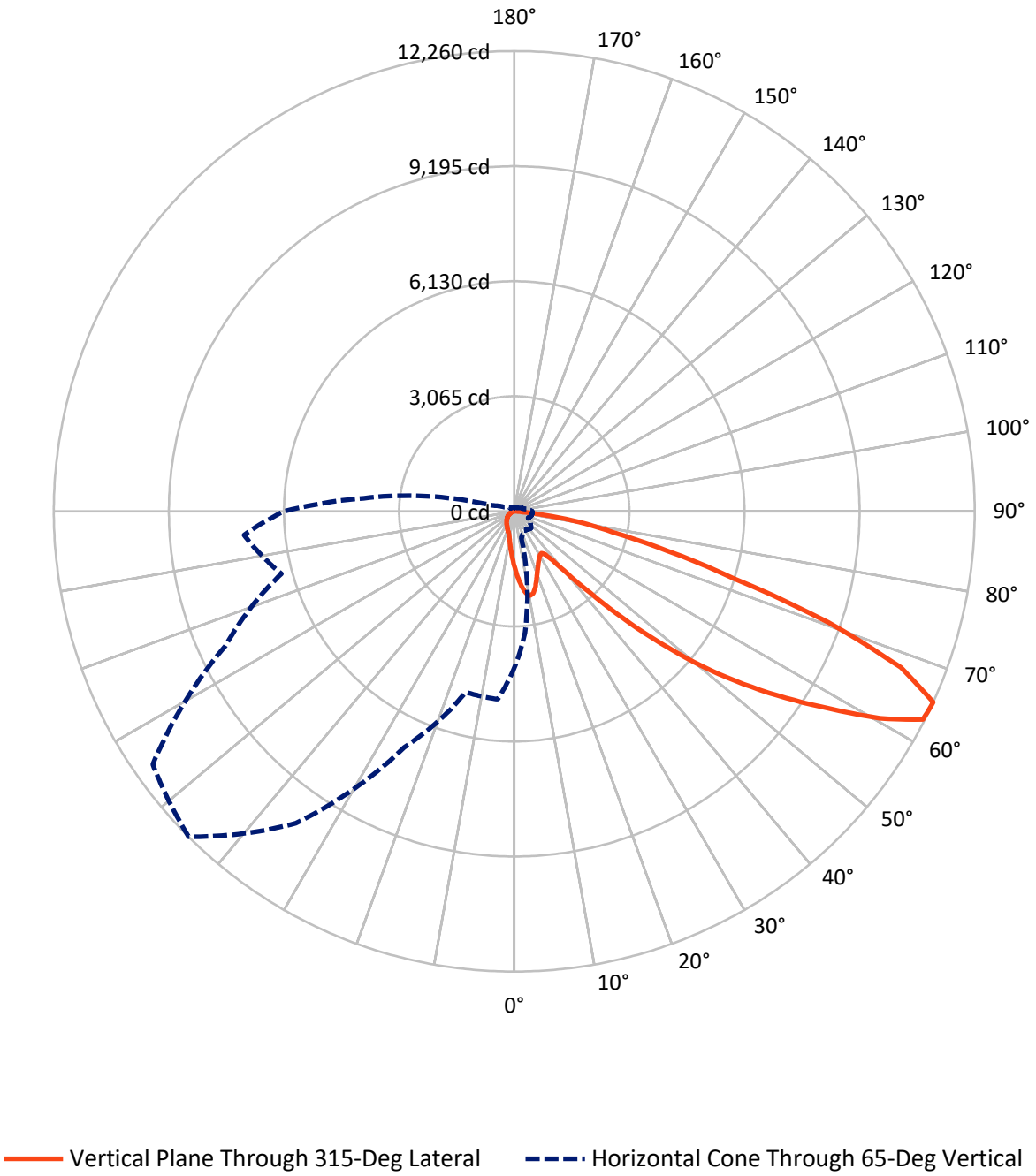
Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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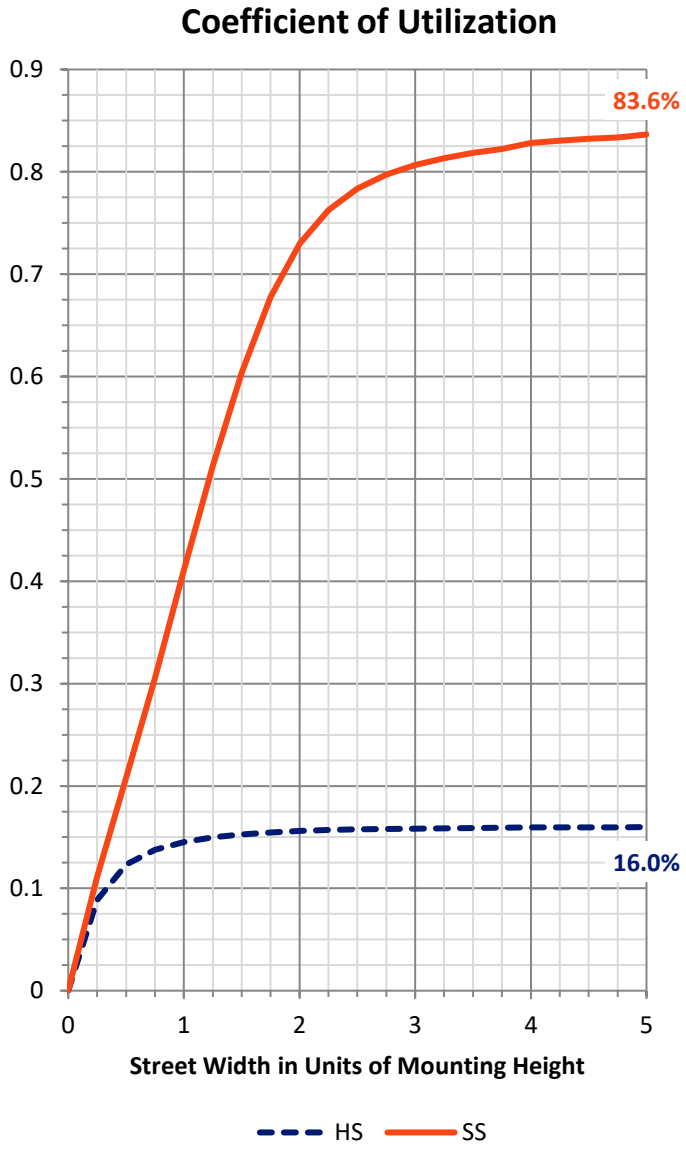
REPORT NUMBER: P1364533
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1394.6	0.0	1394.6
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	7232.6	0.0	7232.6
	% Fixture	83.8	0.0	83.8
Total	Lumens	8627.3	0.0	8627.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	1.7
10°-20°	396.4	4.6
20°-30°	567.8	6.6
30°-40°	712.2	8.3
40°-50°	1169.9	13.6
50°-60°	2111.1	24.5
60°-70°	2342.9	27.2
70°-80°	1058.5	12.3
80°-90°	125.1	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°	8627.3	100.0
0°-180°	8627.3	100.0



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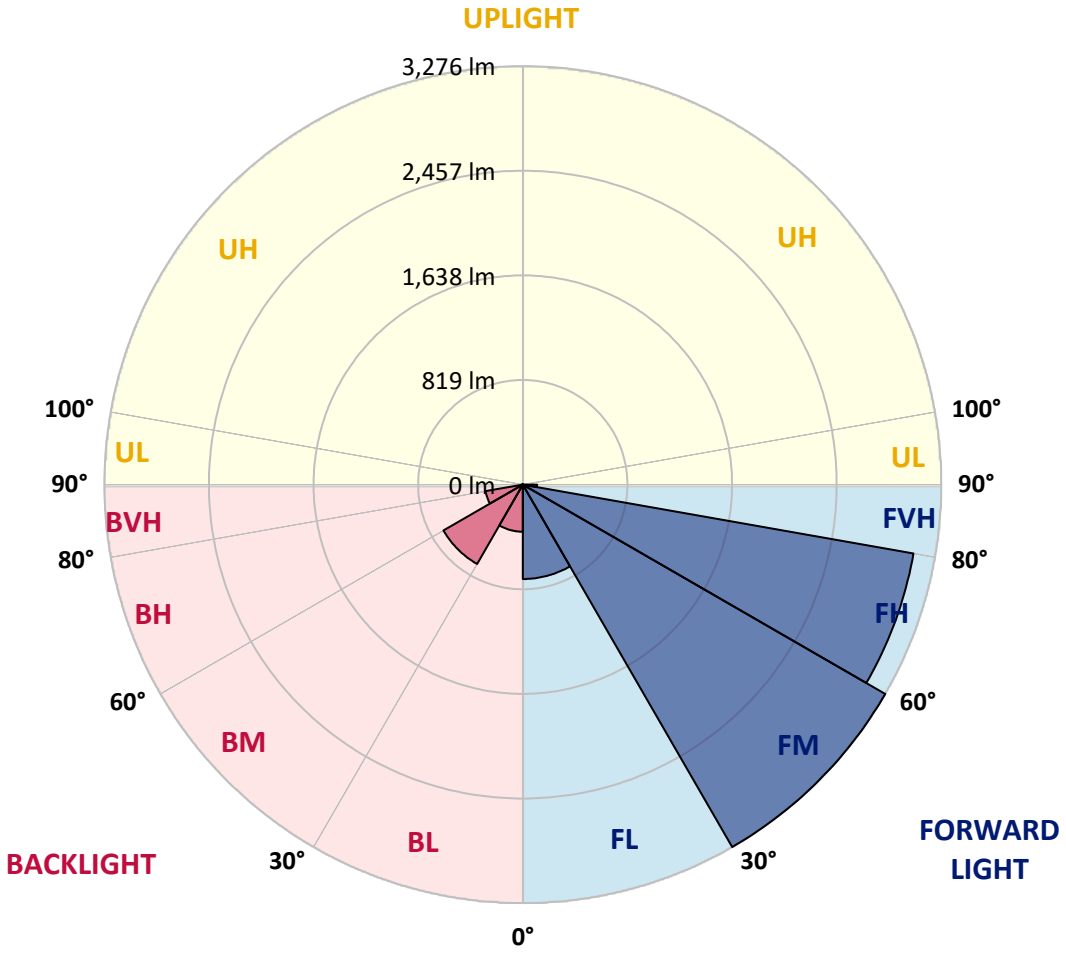
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	739.0	8.6			
FM	(30°-60°)	3276.0	38.0			
FH	(60°-80°)	3105.3	36.0			G2/5000
FVH	(80°-90°)	112.4	1.3			G2/225
BL	(0°-30°)	368.5	4.3	B1/500		
BM	(30°-60°)	717.1	8.3	B1/1000		
BH	(60°-80°)	296.2	3.4	B1/500		G1/500
BVH	(80°-90°)	12.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5
2.5°	1682.2	1680.6	1674.3	1634.5	1594.8	1560.4	1525.9	1491.5	1443.8	1406.7	1374.9
5°	1841.2	1832.7	1798.8	1737.9	1671.6	1613.3	1547.1	1483.5	1412.0	1353.7	1292.8
7.5°	1949.8	1941.3	1907.4	1806.7	1706.1	1634.5	1563.0	1496.8	1417.3	1340.5	1253.1
10°	2000.1	1990.6	1952.4	1843.8	1727.3	1639.8	1568.3	1507.4	1441.1	1364.3	1255.7
12.5°	2034.6	2022.9	1976.3	1851.8	1732.6	1645.1	1571.0	1512.7	1465.0	1420.0	1314.0
15°	2055.8	2045.2	2002.8	1873.0	1735.2	1637.2	1549.8	1494.1	1478.2	1486.2	1435.8
17.5°	2087.5	2077.5	2037.2	1899.4	1751.1	1623.9	1504.7	1443.8	1478.2	1549.8	1565.7
20°	2129.9	2119.3	2076.9	1933.9	1764.3	1584.2	1420.0	1361.7	1449.1	1568.3	1650.4
22.5°	2177.6	2169.1	2135.2	1973.6	1777.6	1525.9	1308.7	1282.2	1388.2	1515.3	1621.3
25°	2235.9	2227.9	2196.2	2029.3	1790.8	1446.4	1213.3	1218.6	1308.7	1409.4	1518.0
27.5°	2315.4	2308.0	2278.3	2098.1	1806.7	1364.3	1136.5	1163.0	1229.2	1298.1	1364.3
30°	2402.8	2397.0	2373.7	2180.3	1838.5	1287.5	1091.5	1107.4	1152.4	1208.0	1247.8
32.5°	2522.0	2512.5	2474.3	2257.1	1835.9	1229.2	1070.3	1054.4	1067.6	1112.6	1152.4
35°	2670.4	2662.9	2633.3	2336.6	1788.2	1176.2	1059.7	1004.0	996.1	1022.6	1062.3
37.5°	2887.6	2881.2	2855.8	2466.4	1714.0	1110.0	1033.2	951.0	924.6	943.1	969.6
40°	3213.4	3197.0	3131.3	2614.7	1631.9	1043.8	985.5	887.5	850.4	863.6	892.8
42.5°	3655.8	3624.6	3499.5	2813.4	1520.6	980.2	914.0	823.9	784.2	792.1	818.6
45°	4222.8	4175.6	3987.0	3086.3	1404.1	929.9	839.8	757.7	715.3	723.2	752.4
47.5°	4885.1	4820.4	4561.9	3372.4	1279.5	900.7	781.5	691.4	659.6	678.2	707.3
50°	5666.6	5601.4	5340.7	3555.2	1178.9	882.2	736.5	630.5	617.3	641.1	664.9
52.5°	6519.6	6426.9	6056.0	3438.6	1096.8	866.3	720.6	588.1	593.4	612.0	635.8
55°	7348.8	7142.7	6318.3	3051.8	990.8	847.7	731.2	556.3	569.6	593.4	612.0
57.5°	7889.2	7531.0	6098.4	2458.4	879.5	826.5	739.1	540.4	551.0	577.5	598.7
60°	7417.7	7057.4	5616.2	1841.2	784.2	781.5	725.9	535.1	519.2	556.3	574.9
62.5°	6077.2	5780.5	4593.6	1176.2	694.1	696.7	696.7	532.5	466.3	513.9	529.8
65°	*4175.1*	*3989.6*	*3247.9*	*728.5*	*566.9*	*593.4*	*633.1*	*516.6*	*410.6*	*466.3*	*482.1*
67.5°	2744.5	2608.4	2063.7	450.4	437.1	487.4	548.4	484.8	368.2	418.6	429.2
70°	1488.8	1385.5	972.2	296.7	286.1	381.5	431.8	410.6	331.1	373.5	384.1
72.5°	982.8	898.1	559.0	209.3	209.3	299.4	302.0	336.4	296.7	331.1	341.7
75°	739.1	663.4	360.3	145.7	161.6	190.7	235.8	241.1	249.0	280.8	294.1
77.5°	339.1	297.8	132.5	87.4	119.2	132.5	180.1	153.7	185.4	209.3	214.6
80°	196.0	171.7	74.2	58.3	76.8	84.8	148.4	90.1	111.3	148.4	156.3
82.5°	82.1	73.1	37.1	39.7	47.7	50.3	82.1	63.6	71.5	98.0	95.4
85°	23.8	23.8	23.8	26.5	29.1	29.1	47.7	45.0	42.4	45.0	45.0
87.5°	15.9	15.9	15.9	15.9	18.5	18.5	21.2	23.8	26.5	26.5	26.5
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°	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5
2.5°	1361.7	1343.1	1319.3	1284.8	1279.5	1261.0	1247.8	1261.0	1274.2	1298.1	1300.7
5°	1261.0	1231.9	1176.2	1133.8	1086.2	1062.3	1059.7	1054.4	1070.3	1104.7	1125.9
7.5°	1205.4	1157.7	1057.0	982.8	916.6	892.8	874.2	890.1	887.5	932.5	951.0
10°	1192.1	1117.9	977.5	866.3	784.2	752.4	733.8	731.2	736.5	763.0	781.5
12.5°	1239.8	1144.4	945.8	781.5	686.1	651.7	630.5	612.0	612.0	617.3	641.1
15°	1345.8	1231.9	964.3	741.8	638.4	593.4	559.0	535.1	516.6	519.2	521.9
17.5°	1494.1	1359.0	1012.0	728.5	609.3	561.6	519.2	495.4	474.2	468.9	468.9
20°	1610.7	1480.9	1049.1	717.9	585.5	524.5	487.4	466.3	447.7	439.8	439.8
22.5°	1623.9	1531.2	1080.9	704.7	556.3	487.4	453.0	434.5	421.2	418.6	418.6
25°	1536.5	1491.5	1070.3	688.8	527.2	453.0	426.5	410.6	397.4	394.7	397.4
27.5°	1390.8	1367.0	1033.2	667.6	503.3	426.5	402.7	389.4	376.2	373.5	376.2
30°	1261.0	1234.5	969.6	633.1	484.8	405.3	378.8	365.6	352.3	352.3	355.0
32.5°	1155.0	1128.5	906.0	593.4	461.0	381.5	357.6	344.4	331.1	331.1	336.4
35°	1059.7	1038.5	855.7	553.7	437.1	360.3	333.8	323.2	312.6	310.0	315.3
37.5°	977.5	966.9	810.6	511.3	413.3	339.1	315.3	304.7	291.4	288.8	294.1
40°	898.1	892.8	760.3	474.2	384.1	317.9	294.1	283.5	267.6	267.6	272.9
42.5°	823.9	821.2	715.3	450.4	357.6	296.7	270.2	259.6	246.4	246.4	251.7
45°	765.6	763.0	672.9	437.1	331.1	272.9	249.0	235.8	225.2	227.8	233.1
47.5°	712.6	707.3	627.9	439.8	317.9	257.0	225.2	211.9	204.0	209.3	217.2
50°	670.2	664.9	596.1	442.4	296.7	235.8	206.6	193.4	188.1	196.0	204.0
52.5°	643.7	638.4	564.3	426.5	270.2	219.9	188.1	180.1	180.1	188.1	193.4
55°	617.3	612.0	511.3	392.1	241.1	204.0	174.8	169.5	169.5	177.5	182.8
57.5°	601.4	590.8	455.7	352.3	217.2	185.4	161.6	161.6	161.6	164.2	166.9
60°	577.5	551.0	397.4	302.0	198.7	166.9	151.0	148.4	148.4	145.7	148.4
62.5°	527.2	482.1	333.8	257.0	177.5	151.0	137.8	135.1	127.2	119.2	121.9
65°	*476.8*	*408.0*	*264.9*	*214.6*	*153.7*	*129.8*	*121.9*	*119.2*	*106.0*	*95.4*	*98.0*
67.5°	413.3	325.8	198.7	180.1	132.5	111.3	103.3	103.3	95.4	87.4	87.4
70°	368.2	254.3	166.9	135.1	106.0	87.4	87.4	92.7	84.8	74.2	74.2
72.5°	325.8	206.6	135.1	108.6	82.1	68.9	74.2	76.8	68.9	60.9	60.9
75°	278.2	161.6	106.0	84.8	60.9	53.0	55.6	60.9	55.6	47.7	50.3
77.5°	201.3	111.3	71.5	55.6	45.0	39.7	42.4	42.4	39.7	37.1	37.1
80°	140.4	74.2	47.7	37.1	31.8	29.1	29.1	26.5	26.5	29.1	29.1
82.5°	84.8	53.0	34.4	29.1	23.8	18.5	18.5	21.2	21.2	23.8	23.8
85°	37.1	31.8	23.8	21.2	15.9	13.2	15.9	15.9	18.5	21.2	21.2
87.5°	23.8	23.8	18.5	15.9	13.2	10.6	10.6	13.2	13.2	15.9	18.5
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°	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5
2.5°	1311.3	1337.8	1369.6	1414.7	1454.4	1502.1	1549.8	1594.8	1637.2	1642.5	1661.0
5°	1141.8	1192.1	1255.7	1329.9	1420.0	1515.3	1608.0	1706.1	1785.5	1814.7	1857.1
7.5°	966.9	1030.5	1123.2	1237.2	1364.3	1507.4	1650.4	1788.2	1907.4	1963.0	2018.7
10°	800.0	861.0	974.9	1112.6	1276.9	1470.3	1661.0	1846.5	1992.2	2055.8	2108.7
12.5°	649.0	710.0	802.7	961.6	1160.3	1393.5	1645.1	1867.7	2029.3	2095.5	2145.8
15°	529.8	580.2	667.6	815.9	1025.2	1287.5	1589.5	1851.8	2037.2	2100.8	2137.9
17.5°	466.3	479.5	535.1	670.2	898.1	1192.1	1518.0	1830.6	2042.5	2100.8	2122.0
20°	439.8	439.8	450.4	521.9	744.4	1091.5	1465.0	1817.3	2050.5	2108.7	2106.1
22.5°	415.9	421.2	421.2	437.1	566.9	951.0	1409.4	1812.0	2074.3	2119.3	2082.2
25°	394.7	402.7	402.7	408.0	445.1	784.2	1340.5	1822.6	2116.7	2140.5	2066.3
27.5°	376.2	384.1	384.1	389.4	397.4	582.8	1226.6	1825.3	2164.4	2167.0	2045.2
30°	357.6	365.6	370.9	370.9	376.2	429.2	1083.5	1809.4	2217.3	2201.5	2042.5
32.5°	336.4	347.0	349.7	355.0	357.6	373.5	898.1	1782.9	2283.6	2249.1	2045.2
35°	317.9	331.1	333.8	333.8	339.1	355.0	717.9	1753.7	2373.7	2312.7	2055.8
37.5°	299.4	310.0	312.6	315.3	320.5	336.4	569.6	1711.4	2450.5	2392.2	2108.7
40°	278.2	291.4	294.1	296.7	302.0	317.9	490.1	1658.4	2567.0	2524.7	2188.2
42.5°	257.0	270.2	275.5	278.2	280.8	302.0	447.7	1621.3	2755.1	2710.1	2349.8
45°	238.4	251.7	257.0	257.0	262.3	291.4	410.6	1703.4	3014.7	2993.6	2567.0
47.5°	222.5	235.8	238.4	238.4	241.1	275.5	378.8	1923.3	3412.1	3356.5	2906.1
50°	209.3	219.9	225.2	219.9	222.5	262.3	397.4	2286.2	3920.8	3939.3	3404.2
52.5°	198.7	209.3	211.9	201.3	201.3	243.7	421.2	2582.9	4569.8	4739.4	4193.6
55°	185.4	196.0	198.7	185.4	185.4	214.6	365.6	2601.5	5308.9	5854.7	5221.5
57.5°	172.2	182.8	182.8	172.2	169.5	185.4	296.7	2307.4	5881.1	7118.3	6628.2
60°	156.3	166.9	164.2	158.9	153.7	169.5	272.9	1759.0	5804.3	7942.2	8241.5
62.5°	127.2	143.1	148.4	145.7	135.1	153.7	254.3	1147.1	5022.8	7226.9	8191.2
65°	*106.0*	*119.2*	*127.2*	*127.2*	*119.2*	*169.5*	*222.5*	*604.0*	*4021.4*	*6132.8*	*7221.6*
67.5°	92.7	106.0	111.3	108.6	103.3	151.0	140.4	291.4	3083.6	5285.1	6464.0
70°	82.1	92.7	98.0	90.1	84.8	121.9	100.7	172.2	2063.7	4410.9	5756.6
72.5°	66.2	76.8	82.1	74.2	66.2	90.1	76.8	113.9	1343.1	3759.2	5115.5
75°	53.0	63.6	66.2	60.9	53.0	66.2	60.9	79.5	876.9	3110.1	4349.9
77.5°	39.7	45.0	50.3	47.7	39.7	47.7	42.4	55.6	500.7	2182.9	3051.8
80°	31.8	34.4	34.4	34.4	31.8	29.1	29.1	37.1	225.2	1075.6	1592.1
82.5°	26.5	29.1	29.1	26.5	23.8	21.2	18.5	21.2	66.2	482.1	733.8
85°	23.8	26.5	21.2	18.5	15.9	13.2	7.9	7.9	18.5	76.8	143.1
87.5°	18.5	15.9	13.2	10.6	5.3	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: P1364533
CATALOG NUMBER: GSS-SB2C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1491.5	1491.5	1491.5	*1491.5*	1491.5	1491.5	1491.5	1491.5	1491.5	1491.5
2.5°	1690.2	1716.7	1735.2	*1751.1*	1745.8	1732.6	1706.1	1687.5	1683.3	1682.2
5°	1912.7	1955.1	1992.2	*1986.9*	1992.2	1952.4	1912.7	1865.0	1845.9	1841.2
7.5°	2098.1	2151.1	2196.2	*2190.9*	2175.0	2129.9	2063.7	1992.2	1958.3	1949.8
10°	2198.8	2259.7	2296.8	*2283.6*	2257.1	2198.8	2132.6	2047.8	2009.7	2000.1
12.5°	2217.3	2257.1	2249.1	*2243.8*	2238.5	2209.4	2159.1	2082.2	2044.1	2034.6
15°	2169.7	2153.8	2108.7	*2098.1*	2137.9	2175.0	2164.4	2100.8	2064.8	2055.8
17.5°	2090.2	2008.1	1925.9	*1915.3*	1981.6	2084.9	2167.0	2129.9	2096.0	2087.5
20°	2002.8	1849.1	1759.0	*1740.5*	1822.6	1976.3	2137.9	2159.1	2135.8	2129.9
22.5°	1899.4	1719.3	1623.9	*1613.3*	1674.3	1854.4	2095.5	2190.9	2180.3	2177.6
25°	1809.4	1605.4	1515.3	*1499.4*	1578.9	1753.7	2053.1	2243.8	2237.5	2235.9
27.5°	1735.2	1523.3	1427.9	*1417.3*	1494.1	1669.0	2000.1	2288.9	2310.1	2315.4
30°	1676.9	1462.3	1367.0	*1353.7*	1438.5	1610.7	1963.0	2352.5	2392.7	2402.8
32.5°	1631.9	1427.9	1337.8	*1329.9*	1420.0	1586.8	1941.8	2418.7	2501.3	2522.0
35°	1616.0	1438.5	1377.6	*1396.1*	1465.0	1610.7	1957.7	2527.3	2641.7	2670.4
37.5°	1650.4	1555.1	1597.4	*1645.1*	1671.6	1724.6	2031.9	2702.1	2850.5	2887.6
40°	1761.7	1867.7	2066.3	*2159.1*	2148.5	2026.6	2201.5	2948.5	3160.5	3213.4
42.5°	2045.2	2389.5	2810.8	*2967.1*	2877.0	2508.8	2471.7	3353.8	3595.4	3655.8
45°	2466.4	3020.0	3711.5	*4063.8*	3753.9	3120.7	2898.2	3931.4	4164.5	4222.8
47.5°	2887.6	3724.7	4824.1	*5242.7*	4633.4	3727.4	3457.2	4622.8	4832.6	4885.1
50°	3316.8	4503.6	5934.1	*6493.1*	5510.3	4344.6	4050.6	5475.8	5628.4	5666.6
52.5°	3759.2	5200.3	7158.0	*7640.2*	6426.9	4821.5	4728.8	6405.7	6496.8	6519.6
55°	4251.9	5859.9	8384.6	*8774.0*	7261.4	5237.4	5523.5	7377.9	7354.6	7348.8
57.5°	4908.9	6554.0	9372.7	*9915.8*	8019.0	5799.0	6585.8	8458.8	8003.1	7889.2
60°	6056.0	7632.2	10602.0	*11192.7*	9033.6	6620.3	7367.3	8434.9	7621.1	7417.7
62.5°	7385.9	8670.7	11714.6	*12212.6*	10101.3	7436.2	6744.8	7083.9	6278.5	6077.2
65°	*6416.3*	*8487.9*	*11749.0*	*12260.3*	*10141.0*	*6938.2*	*4985.7*	*5022.8*	*4344.6*	*4175.1*
67.5°	5459.9	7523.6	10700.0	*11102.6*	9046.9	5735.4	3306.2	3277.0	2851.0	2744.5
70°	4861.2	6591.1	9221.7	*8874.7*	7605.7	4848.0	2196.2	1820.0	1555.1	1488.8
72.5°	4368.5	5229.4	7473.3	*6116.9*	6310.3	3944.6	1396.1	1239.8	1034.2	982.8
75°	3955.2	4326.1	4662.5	*4228.1*	4482.4	3250.5	1184.2	956.3	782.6	739.1
77.5°	3147.2	3367.1	2760.4	*2681.0*	3139.3	2312.7	588.1	402.7	351.8	339.1
80°	1873.0	1592.1	1565.7	*1785.5*	2090.2	1200.1	360.3	222.5	201.3	196.0
82.5°	1133.8	574.9	625.2	*789.5*	1112.6	545.7	214.6	95.4	84.8	82.1
85°	190.7	156.3	241.1	*230.5*	217.2	116.6	58.3	26.5	24.4	23.8
87.5°	5.3	7.9	10.6	*13.2*	13.2	13.2	13.2	13.2	15.4	15.9
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

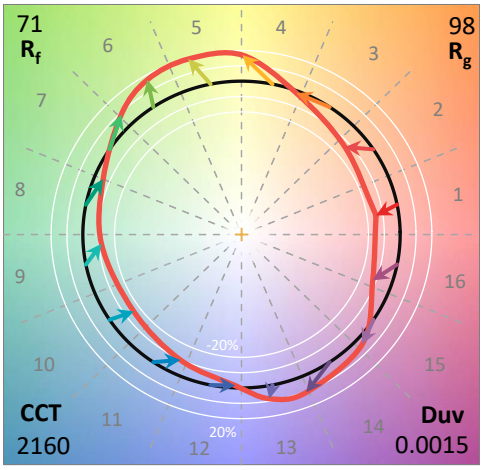
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

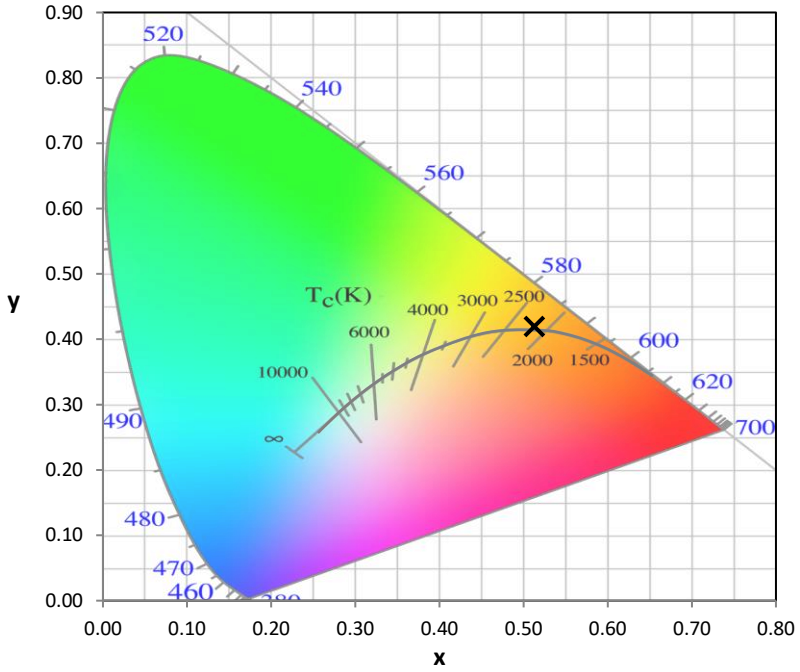
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

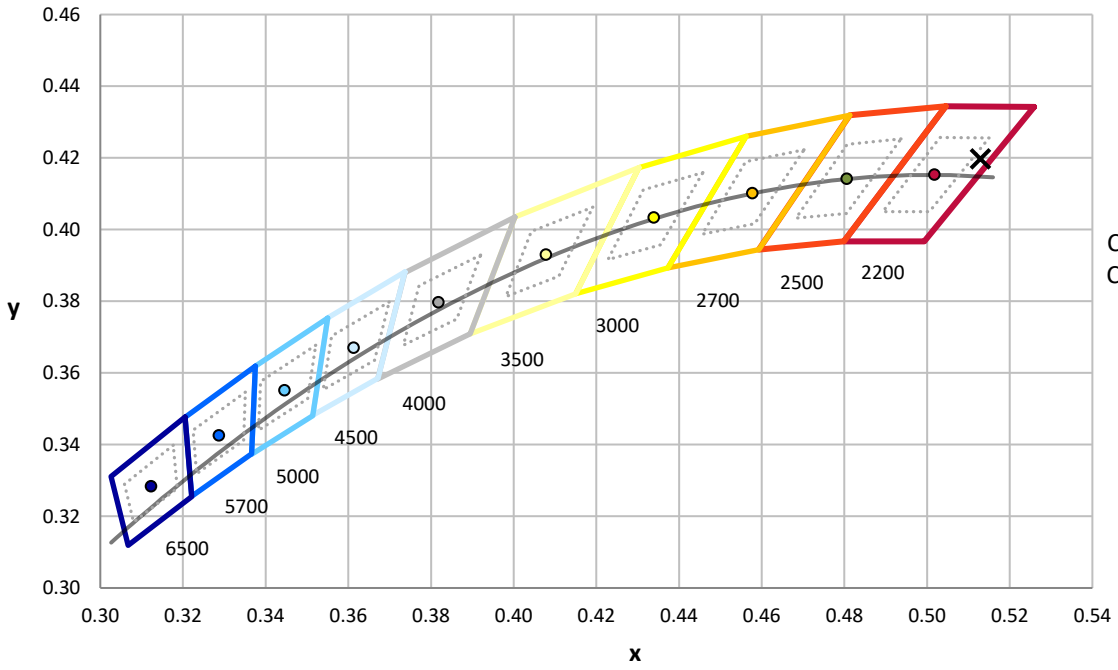
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

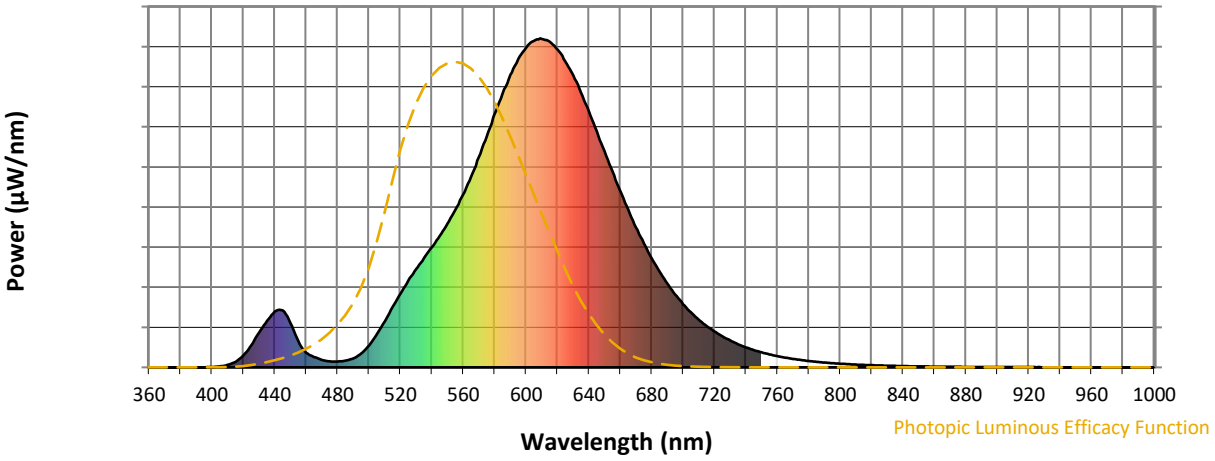


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

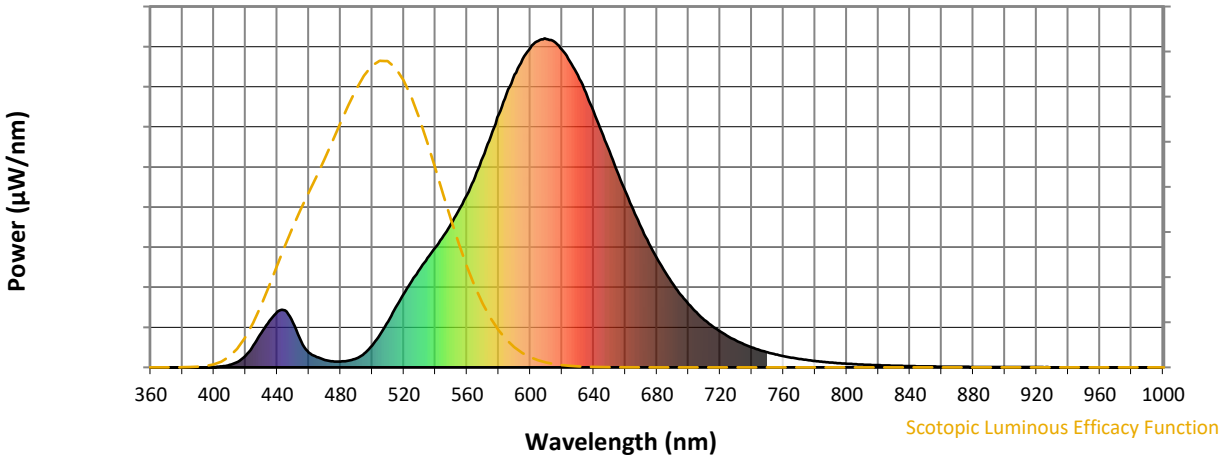


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

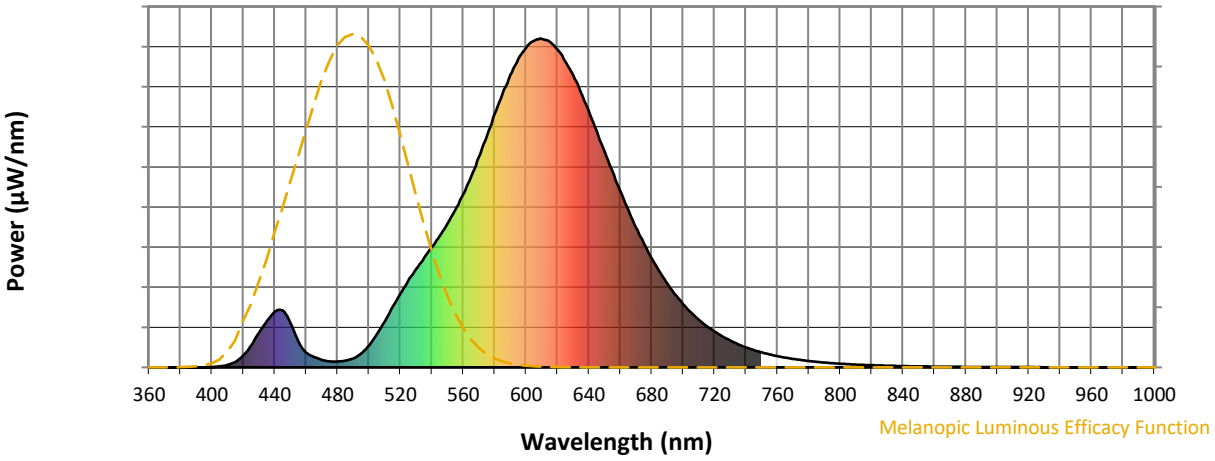


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

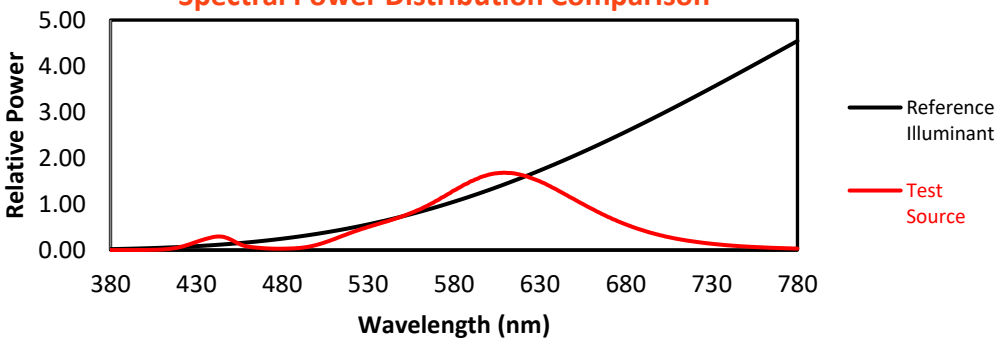
REPORT NUMBER: SP1-2407-184-2

TM-30-18

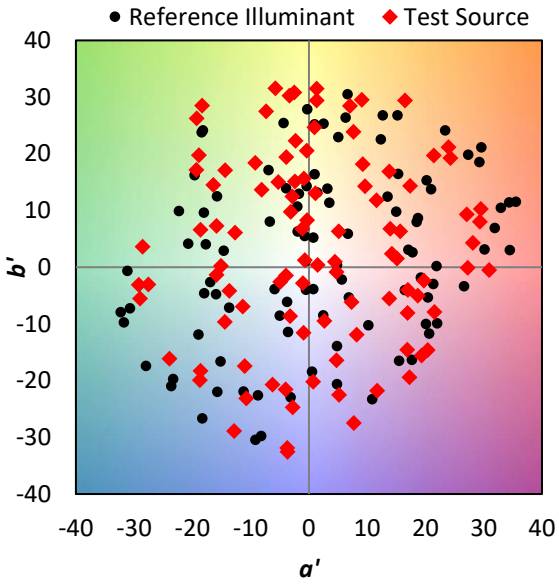
Summary

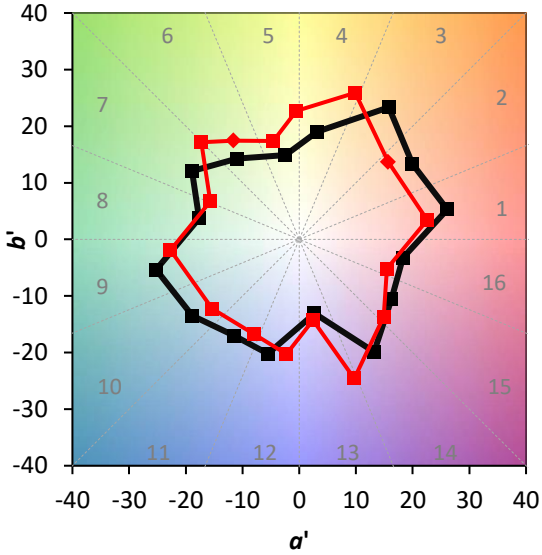
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

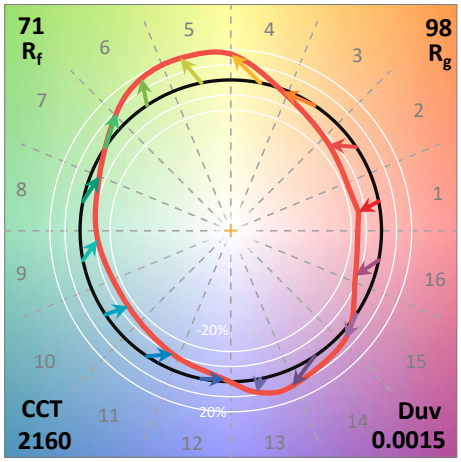
Spectral Power Distribution Comparison

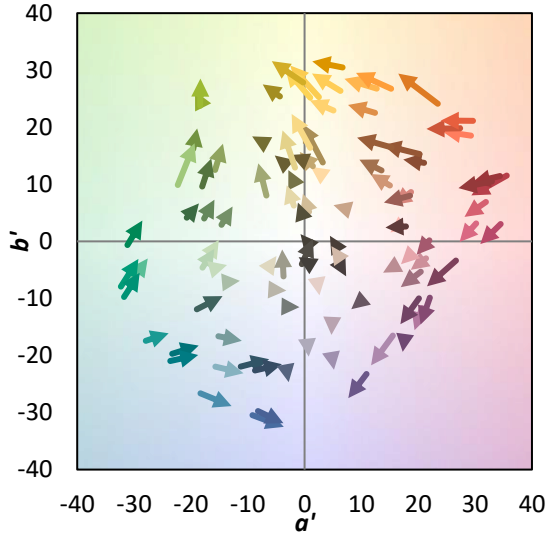


Color Vector Graphics







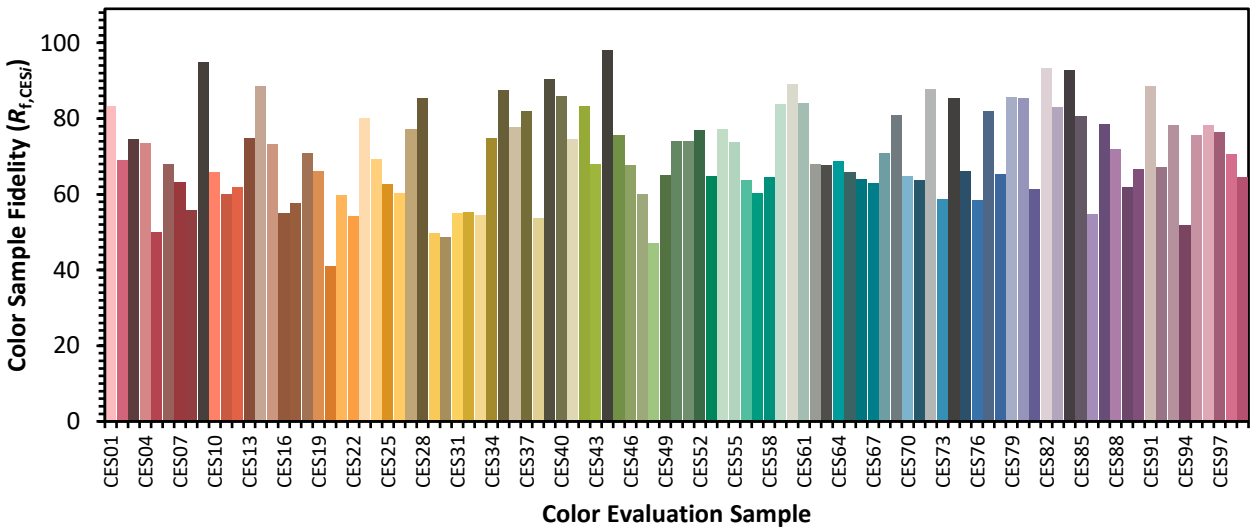


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

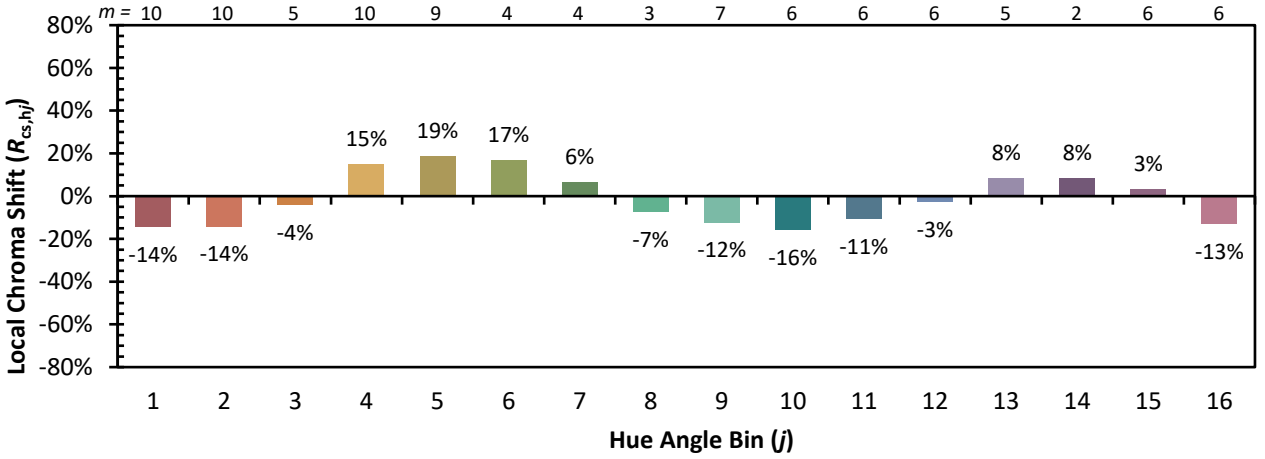
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

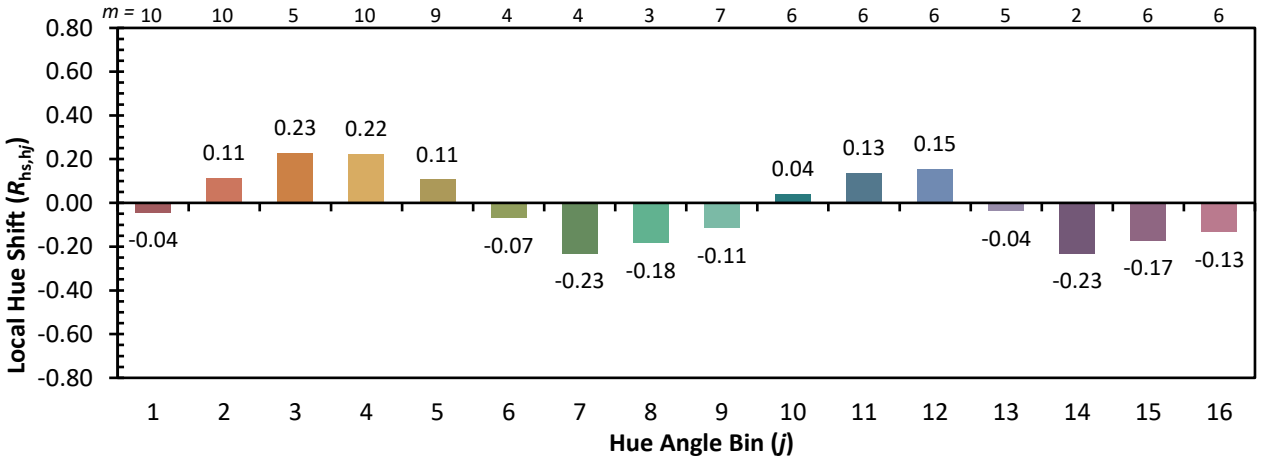


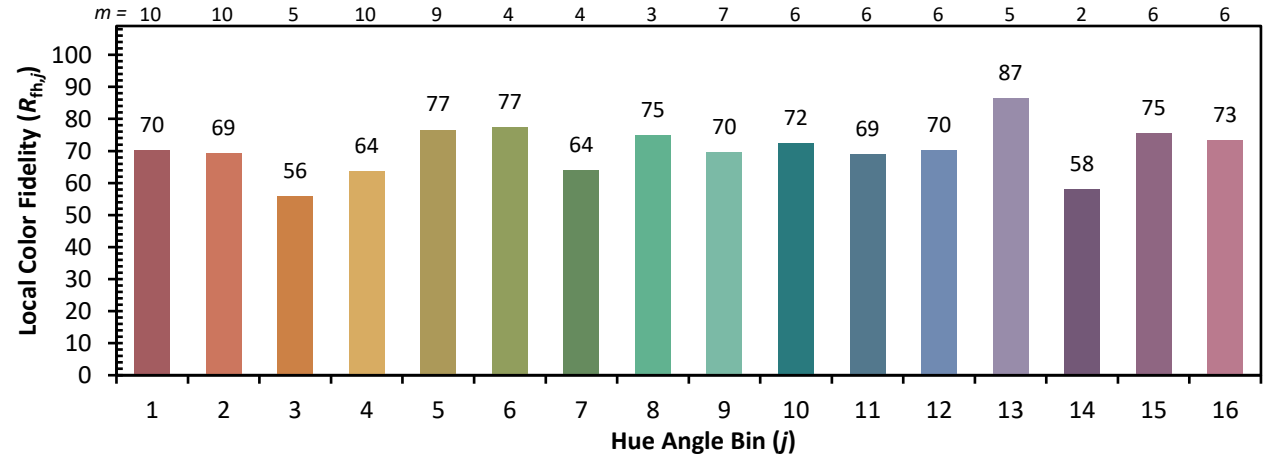
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Color Rendition by Hue-Angle Bin



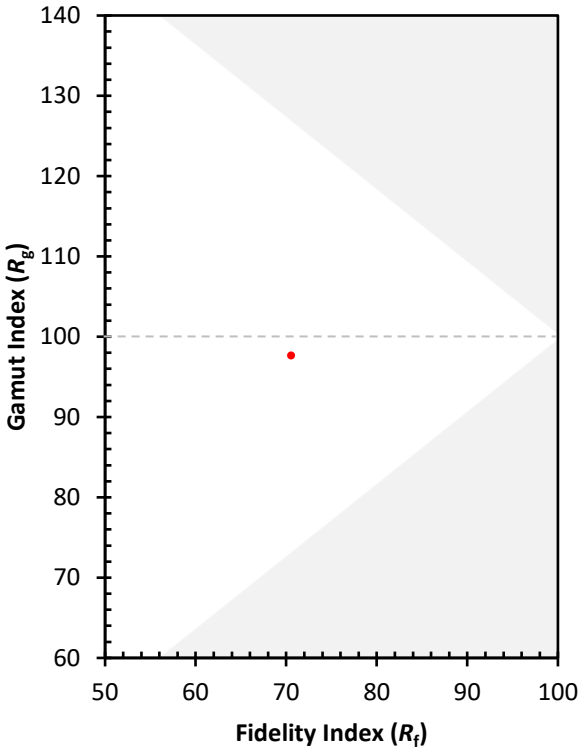


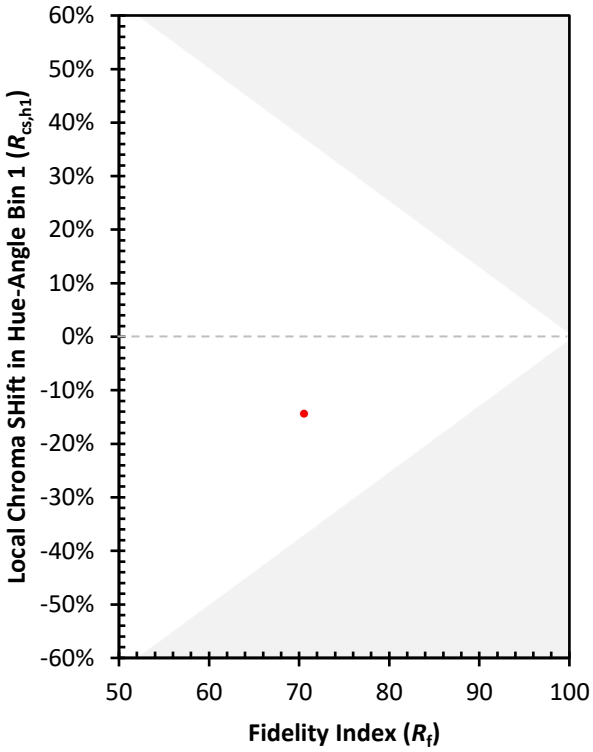


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Measure Comparisons





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