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: P1364564

Luminaire Tested: **GSS-SB4B-727-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364564
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-727-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15385.2 lumens
Efficiency:	N/A
Efficacy:	104.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

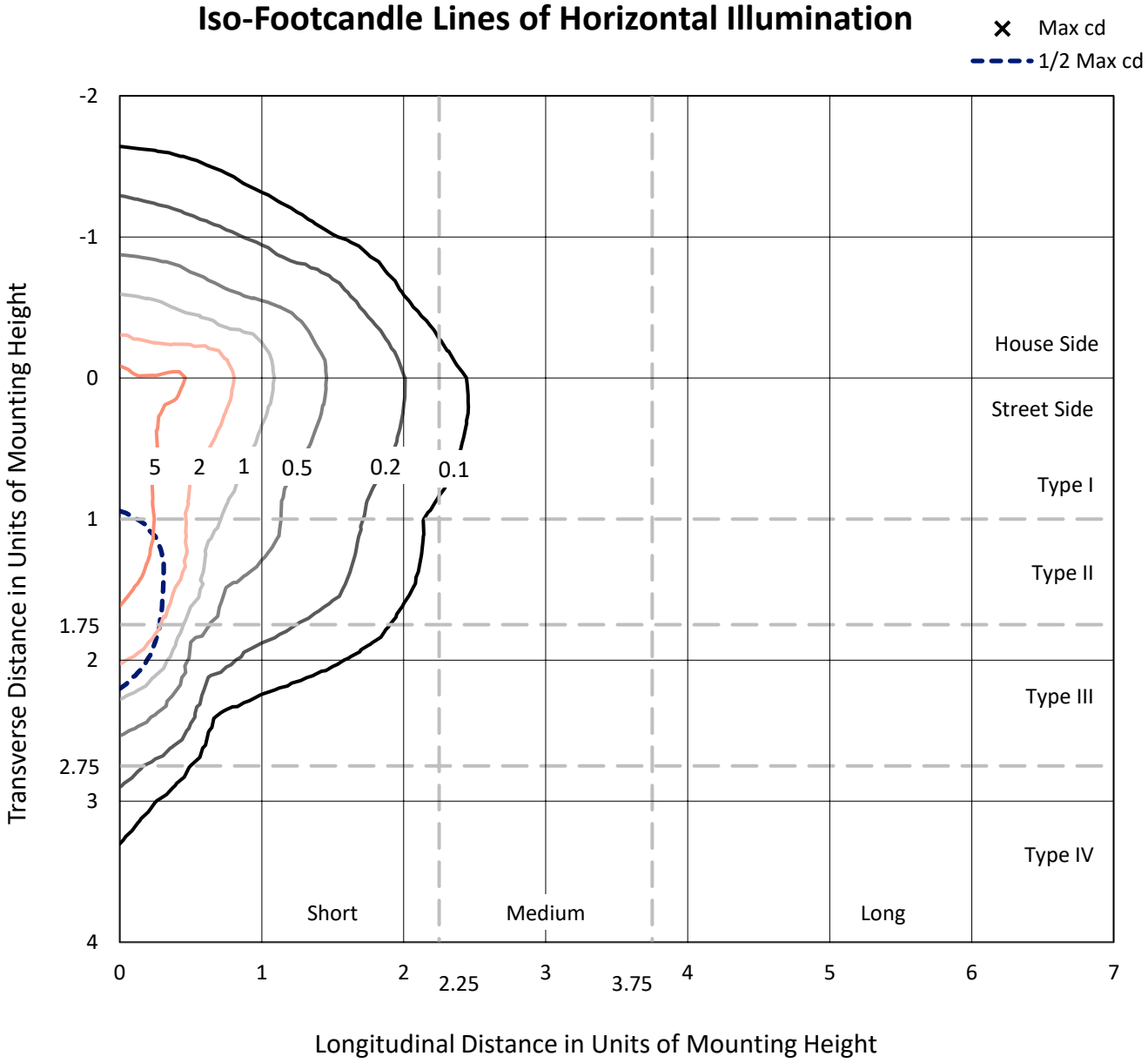
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



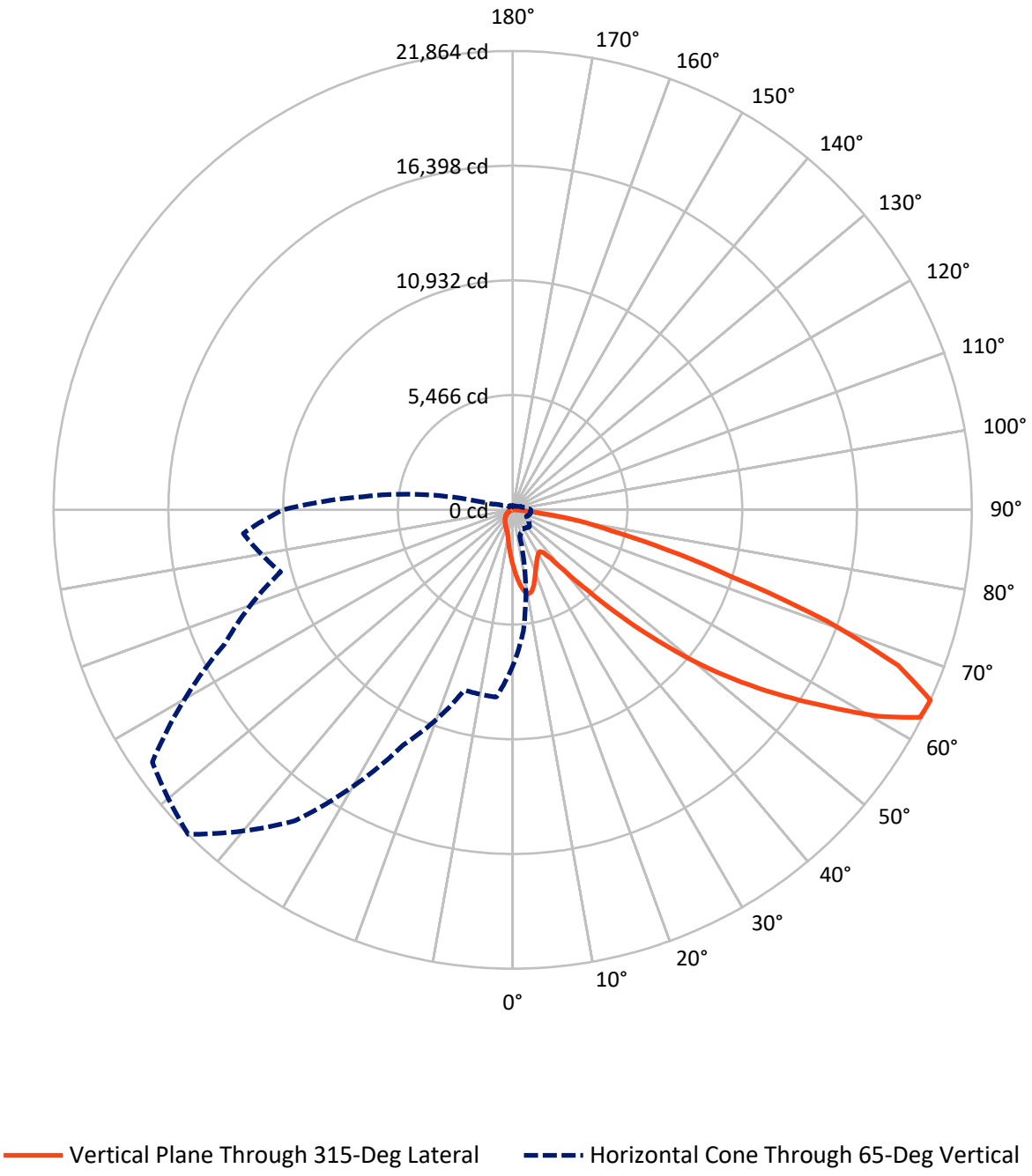
Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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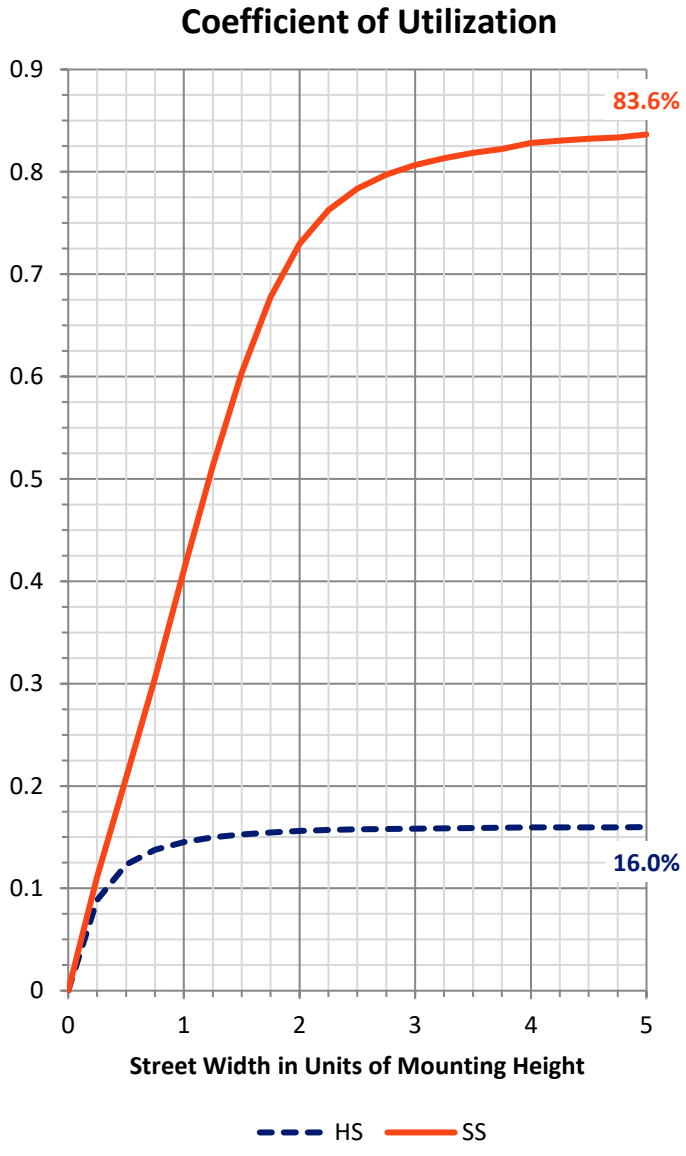
REPORT NUMBER: P1364564
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2487.1	0.0	2487.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	12898.1	0.0	12898.1
	% Fixture	83.8	0.0	83.8
Total	Lumens	15385.2	0.0	15385.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.6	1.7
10°-20°	706.9	4.6
20°-30°	1012.5	6.6
30°-40°	1270.0	8.3
40°-50°	2086.2	13.6
50°-60°	3764.8	24.5
60°-70°	4178.1	27.2
70°-80°	1887.7	12.3
80°-90°	223.2	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°	15385.2	100.0
0°-180°	15385.2	100.0



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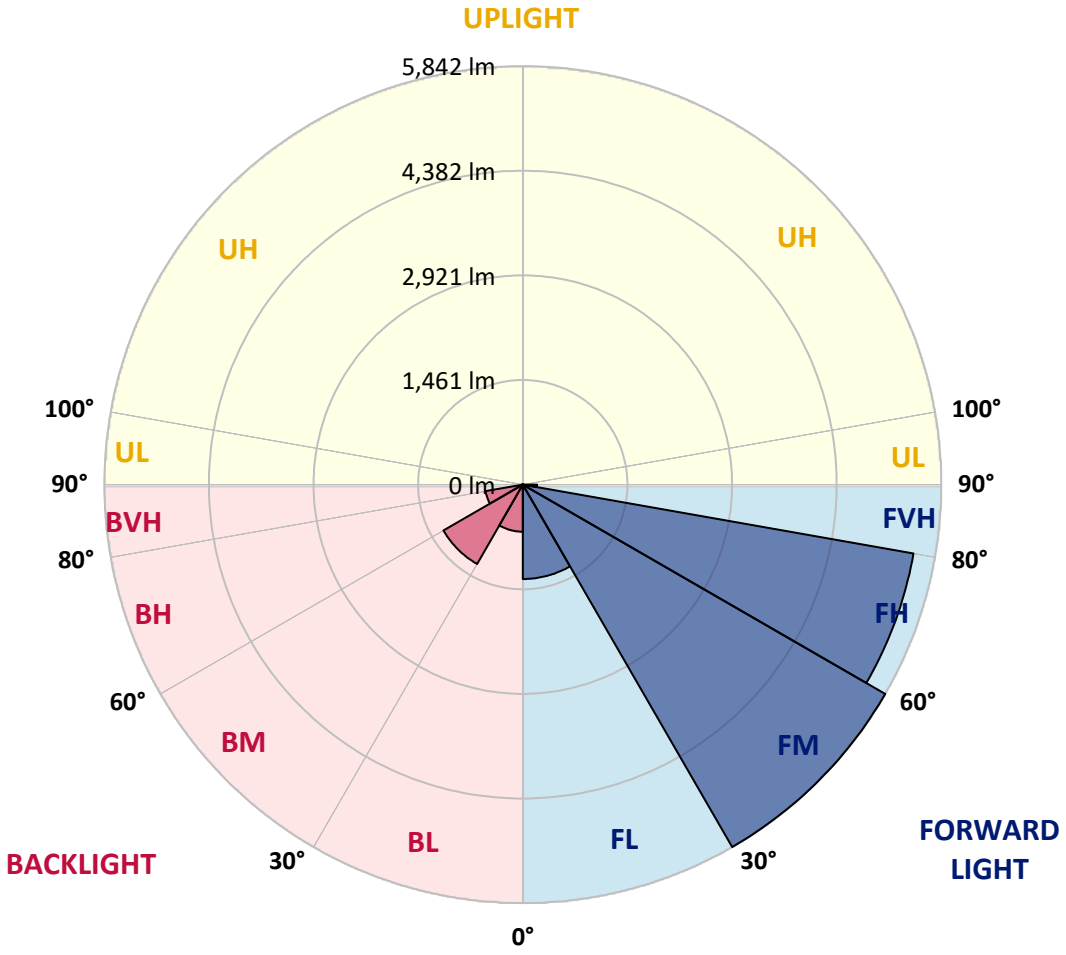
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1317.9	8.6			
FM	(30°-60°)	5842.2	38.0			
FH	(60°-80°)	5537.7	36.0			G3/7500
FVH	(80°-90°)	200.4	1.3			G2/225
BL	(0°-30°)	657.2	4.3	B2/1000		
BM	(30°-60°)	1278.9	8.3	B2/2500		
BH	(60°-80°)	528.2	3.4	B2/1000		G2/1000
BVH	(80°-90°)	22.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8
2.5°	2999.9	2997.1	2985.8	2914.9	2844.0	2782.6	2721.2	2659.8	2574.7	2508.6	2451.9
5°	3283.4	3268.3	3207.8	3099.1	2981.0	2877.1	2759.0	2645.6	2518.0	2414.1	2305.5
7.5°	3477.1	3462.0	3401.5	3222.0	3042.4	2914.9	2787.3	2669.2	2527.5	2390.5	2234.6
10°	3566.8	3549.8	3481.8	3288.1	3080.2	2924.3	2796.8	2688.1	2570.0	2433.0	2239.3
12.5°	3628.3	3607.5	3524.3	3302.3	3089.7	2933.8	2801.5	2697.6	2612.5	2532.2	2343.2
15°	3666.0	3647.2	3571.6	3340.1	3094.4	2919.6	2763.7	2664.5	2636.2	2650.3	2560.6
17.5°	3722.7	3704.8	3633.0	3387.3	3122.8	2896.0	2683.4	2574.7	2636.2	2763.7	2792.1
20°	3798.3	3779.4	3703.8	3448.7	3146.4	2825.1	2532.2	2428.3	2584.2	2796.8	2943.2
22.5°	3883.4	3868.2	3807.8	3519.6	3170.0	2721.2	2333.8	2286.6	2475.5	2702.3	2891.3
25°	3987.3	3973.1	3916.4	3618.8	3193.6	2579.5	2163.7	2173.2	2333.8	2513.3	2707.0
27.5°	4129.0	4115.8	4062.9	3741.6	3222.0	2433.0	2026.7	2074.0	2192.1	2314.9	2433.0
30°	4284.9	4274.5	4233.0	3888.1	3278.7	2296.0	1946.4	1974.8	2055.1	2154.3	2225.1
32.5°	4497.5	4480.5	4412.5	4025.1	3273.9	2192.1	1908.6	1880.3	1903.9	1984.2	2055.1
35°	4762.1	4748.9	4695.9	4166.8	3188.9	2097.6	1889.7	1790.5	1776.3	1823.6	1894.4
37.5°	5149.5	5138.1	5092.8	4398.3	3056.6	1979.5	1842.5	1696.0	1648.8	1681.8	1729.1
40°	5730.6	5701.3	5584.1	4662.9	2910.2	1861.4	1757.4	1582.6	1516.5	1540.1	1592.1
42.5°	6519.5	6463.8	6240.8	5017.2	2711.7	1748.0	1629.9	1469.3	1398.4	1412.6	1459.8
45°	7530.5	7446.4	7110.1	5503.8	2503.9	1658.2	1497.6	1351.1	1275.6	1289.7	1341.7
47.5°	8711.6	8596.3	8135.2	6014.0	2281.8	1606.3	1393.7	1233.0	1176.3	1209.4	1261.4
50°	10105.3	9989.0	9524.2	6340.0	2102.3	1573.2	1313.4	1124.4	1100.8	1143.3	1185.8
52.5°	11626.5	11461.1	10799.7	6132.1	1955.9	1544.8	1285.0	1048.8	1058.2	1091.3	1133.8
55°	13105.2	12737.6	11267.4	5442.4	1766.9	1511.8	1303.9	992.1	1015.7	1058.2	1091.3
57.5°	14068.9	13430.2	10875.3	4384.1	1568.5	1474.0	1318.1	963.8	982.7	1029.9	1067.7
60°	13228.0	12585.5	10015.5	3283.4	1398.4	1393.7	1294.5	954.3	926.0	992.1	1025.2
62.5°	10837.5	10308.4	8191.9	2097.6	1237.8	1242.5	1242.5	949.6	831.5	916.5	944.9
65°	*7445.5*	*7114.8*	*5792.0*	*1299.2*	*1011.0*	*1058.2*	*1129.1*	*921.2*	*732.3*	*831.5*	*859.8*
67.5°	4894.4	4651.5	3680.2	803.1	779.5	869.3	977.9	864.5	656.7	746.4	765.3
70°	2655.1	2470.8	1733.8	529.1	510.2	680.3	770.1	732.3	590.5	666.1	685.0
72.5°	1752.7	1601.5	996.8	373.2	373.2	533.8	538.6	600.0	529.1	590.5	609.4
75°	1318.1	1183.0	642.5	259.8	288.2	340.1	420.5	429.9	444.1	500.8	524.4
77.5°	604.7	531.0	236.2	155.9	212.6	236.2	321.3	274.0	330.7	373.2	382.7
80°	349.6	306.1	132.3	103.9	137.0	151.2	264.6	160.6	198.4	264.6	278.7
82.5°	146.5	130.4	66.1	70.9	85.0	89.8	146.5	113.4	127.6	174.8	170.1
85°	42.5	42.5	42.5	47.2	52.0	52.0	85.0	80.3	75.6	80.3	80.3
87.5°	28.3	28.3	28.3	28.3	33.1	33.1	37.8	42.5	47.2	47.2	47.2
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°	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8
2.5°	2428.3	2395.2	2352.7	2291.3	2281.8	2248.8	2225.1	2248.8	2272.4	2314.9	2319.6
5°	2248.8	2196.8	2097.6	2022.0	1937.0	1894.4	1889.7	1880.3	1908.6	1970.0	2007.8
7.5°	2149.6	2064.5	1885.0	1752.7	1634.6	1592.1	1559.0	1587.4	1582.6	1663.0	1696.0
10°	2125.9	1993.7	1743.3	1544.8	1398.4	1341.7	1308.6	1303.9	1313.4	1360.6	1393.7
12.5°	2211.0	2040.9	1686.6	1393.7	1223.6	1162.2	1124.4	1091.3	1091.3	1100.8	1143.3
15°	2399.9	2196.8	1719.6	1322.8	1138.6	1058.2	996.8	954.3	921.2	926.0	930.7
17.5°	2664.5	2423.6	1804.7	1299.2	1086.6	1001.5	926.0	883.4	845.6	836.2	836.2
20°	2872.4	2640.9	1870.8	1280.3	1044.1	935.4	869.3	831.5	798.4	784.2	784.2
22.5°	2896.0	2730.6	1927.5	1256.7	992.1	869.3	807.9	774.8	751.2	746.4	746.4
25°	2740.1	2659.8	1908.6	1228.3	940.1	807.9	760.6	732.3	708.6	703.9	708.6
27.5°	2480.3	2437.7	1842.5	1190.5	897.6	760.6	718.1	694.5	670.8	666.1	670.8
30°	2248.8	2201.5	1729.1	1129.1	864.5	722.8	675.6	652.0	628.3	628.3	633.1
32.5°	2059.8	2012.5	1615.7	1058.2	822.0	680.3	637.8	614.2	590.5	590.5	600.0
35°	1889.7	1851.9	1525.9	987.4	779.5	642.5	595.3	576.4	557.5	552.7	562.2
37.5°	1743.3	1724.4	1445.6	911.8	737.0	604.7	562.2	543.3	519.7	514.9	524.4
40°	1601.5	1592.1	1355.9	845.6	685.0	566.9	524.4	505.5	477.2	477.2	486.6
42.5°	1469.3	1464.5	1275.6	803.1	637.8	529.1	481.9	463.0	439.4	439.4	448.8
45°	1365.3	1360.6	1200.0	779.5	590.5	486.6	444.1	420.5	401.6	406.3	415.7
47.5°	1270.8	1261.4	1119.7	784.2	566.9	458.3	401.6	377.9	363.8	373.2	387.4
50°	1195.2	1185.8	1063.0	789.0	529.1	420.5	368.5	344.9	335.4	349.6	363.8
52.5°	1148.0	1138.6	1006.3	760.6	481.9	392.1	335.4	321.3	321.3	335.4	344.9
55°	1100.8	1091.3	911.8	699.2	429.9	363.8	311.8	302.4	302.4	316.5	326.0
57.5°	1072.4	1053.5	812.6	628.3	387.4	330.7	288.2	288.2	288.2	292.9	297.6
60°	1029.9	982.7	708.6	538.6	354.3	297.6	269.3	264.6	264.6	259.8	264.6
62.5°	940.1	859.8	595.3	458.3	316.5	269.3	245.7	240.9	226.8	212.6	217.3
65°	*850.4*	*727.5*	*472.4*	*382.7*	*274.0*	*231.5*	*217.3*	*212.6*	*189.0*	*170.1*	*174.8*
67.5°	737.0	581.1	354.3	321.3	236.2	198.4	184.2	184.2	170.1	155.9	155.9
70°	656.7	453.5	297.6	240.9	189.0	155.9	155.9	165.4	151.2	132.3	132.3
72.5°	581.1	368.5	240.9	193.7	146.5	122.8	132.3	137.0	122.8	108.7	108.7
75°	496.1	288.2	189.0	151.2	108.7	94.5	99.2	108.7	99.2	85.0	89.8
77.5°	359.0	198.4	127.6	99.2	80.3	70.9	75.6	75.6	70.9	66.1	66.1
80°	250.4	132.3	85.0	66.1	56.7	52.0	52.0	47.2	47.2	52.0	52.0
82.5°	151.2	94.5	61.4	52.0	42.5	33.1	33.1	37.8	37.8	42.5	42.5
85°	66.1	56.7	42.5	37.8	28.3	23.6	28.3	28.3	33.1	37.8	37.8
87.5°	42.5	42.5	33.1	28.3	23.6	18.9	18.9	23.6	23.6	28.3	33.1
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°	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8
2.5°	2338.5	2385.8	2442.5	2522.8	2593.6	2678.7	2763.7	2844.0	2919.6	2929.1	2962.1
5°	2036.2	2125.9	2239.3	2371.6	2532.2	2702.3	2867.6	3042.4	3184.2	3236.1	3311.7
7.5°	1724.4	1837.7	2003.1	2206.2	2433.0	2688.1	2943.2	3188.9	3401.5	3500.7	3599.9
10°	1426.7	1535.4	1738.5	1984.2	2277.1	2622.0	2962.1	3292.8	3552.7	3666.0	3760.5
12.5°	1157.5	1266.1	1431.5	1714.9	2069.2	2485.0	2933.8	3330.6	3618.8	3736.9	3826.7
15°	944.9	1034.6	1190.5	1455.1	1828.3	2296.0	2834.6	3302.3	3633.0	3746.4	3812.5
17.5°	831.5	855.1	954.3	1195.2	1601.5	2125.9	2707.0	3264.5	3642.4	3746.4	3784.2
20°	784.2	784.2	803.1	930.7	1327.5	1946.4	2612.5	3240.9	3656.6	3760.5	3755.8
22.5°	741.7	751.2	751.2	779.5	1011.0	1696.0	2513.3	3231.4	3699.1	3779.4	3713.3
25°	703.9	718.1	718.1	727.5	793.7	1398.4	2390.5	3250.3	3774.7	3817.2	3684.9
27.5°	670.8	685.0	685.0	694.5	708.6	1039.3	2187.3	3255.0	3859.7	3864.5	3647.2
30°	637.8	652.0	661.4	661.4	670.8	765.3	1932.2	3226.7	3954.2	3925.9	3642.4
32.5°	600.0	618.9	623.6	633.1	637.8	666.1	1601.5	3179.4	4072.3	4010.9	3647.2
35°	566.9	590.5	595.3	595.3	604.7	633.1	1280.3	3127.5	4233.0	4124.3	3666.0
37.5°	533.8	552.7	557.5	562.2	571.6	600.0	1015.7	3051.9	4370.0	4266.0	3760.5
40°	496.1	519.7	524.4	529.1	538.6	566.9	874.0	2957.4	4577.8	4502.2	3902.3
42.5°	458.3	481.9	491.3	496.1	500.8	538.6	798.4	2891.3	4913.3	4832.9	4190.4
45°	425.2	448.8	458.3	458.3	467.7	519.7	732.3	3037.7	5376.2	5338.4	4577.8
47.5°	396.8	420.5	425.2	425.2	429.9	491.3	675.6	3429.8	6084.9	5985.7	5182.5
50°	373.2	392.1	401.6	392.1	396.8	467.7	708.6	4077.1	6991.9	7025.0	6070.7
52.5°	354.3	373.2	377.9	359.0	359.0	434.6	751.2	4606.2	8149.4	8451.8	7478.6
55°	330.7	349.6	354.3	330.7	330.7	382.7	652.0	4639.3	9467.5	10440.7	9311.6
57.5°	307.1	326.0	326.0	307.1	302.4	330.7	529.1	4114.9	10487.9	12694.2	11820.2
60°	278.7	297.6	292.9	283.5	274.0	302.4	486.6	3136.9	10350.9	14163.4	14697.3
62.5°	226.8	255.1	264.6	259.8	240.9	274.0	453.5	2045.6	8957.3	12887.9	14607.5
65°	*189.0*	*212.6*	*226.8*	*226.8*	*212.6*	*302.4*	*396.8*	*1077.1*	*7171.5*	*10936.7*	*12878.4*
67.5°	165.4	189.0	198.4	193.7	184.2	269.3	250.4	519.7	5499.1	9425.0	11527.3
70°	146.5	165.4	174.8	160.6	151.2	217.3	179.5	307.1	3680.2	7865.9	10265.9
72.5°	118.1	137.0	146.5	132.3	118.1	160.6	137.0	203.1	2395.2	6703.8	9122.6
75°	94.5	113.4	118.1	108.7	94.5	118.1	108.7	141.7	1563.7	5546.3	7757.3
77.5°	70.9	80.3	89.8	85.0	70.9	85.0	75.6	99.2	892.9	3892.8	5442.4
80°	56.7	61.4	61.4	61.4	56.7	52.0	52.0	66.1	401.6	1918.1	2839.3
82.5°	47.2	52.0	52.0	47.2	42.5	37.8	33.1	37.8	118.1	859.8	1308.6
85°	42.5	47.2	37.8	33.1	28.3	23.6	14.2	14.2	33.1	137.0	255.1
87.5°	33.1	28.3	23.6	18.9	9.4	4.7	4.7	0.0	4.7	4.7	4.7
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: P1364564
CATALOG NUMBER: GSS-SB4B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8
2.5°	3014.1	3061.3	3094.4	3122.8	3113.3	3089.7	3042.4	3009.4	3001.8	2999.9
5°	3410.9	3486.5	3552.7	3543.2	3552.7	3481.8	3410.9	3325.9	3291.9	3283.4
7.5°	3741.6	3836.1	3916.4	3907.0	3878.6	3798.3	3680.2	3552.7	3492.2	3477.1
10°	3921.2	4029.8	4096.0	4072.3	4025.1	3921.2	3803.1	3651.9	3583.8	3566.8
12.5°	3954.2	4025.1	4010.9	4001.5	3992.0	3940.1	3850.3	3713.3	3645.3	3628.3
15°	3869.2	3840.8	3760.5	3741.6	3812.5	3878.6	3859.7	3746.4	3682.1	3666.0
17.5°	3727.5	3581.0	3434.6	3415.7	3533.8	3718.0	3864.5	3798.3	3737.9	3722.7
20°	3571.6	3297.6	3136.9	3103.9	3250.3	3524.3	3812.5	3850.3	3808.7	3798.3
22.5°	3387.3	3066.1	2896.0	2877.1	2985.8	3307.0	3736.9	3907.0	3888.1	3883.4
25°	3226.7	2862.9	2702.3	2673.9	2815.7	3127.5	3661.3	4001.5	3990.1	3987.3
27.5°	3094.4	2716.5	2546.4	2527.5	2664.5	2976.3	3566.8	4081.8	4119.6	4129.0
30°	2990.5	2607.8	2437.7	2414.1	2565.3	2872.4	3500.7	4195.2	4267.0	4284.9
32.5°	2910.2	2546.4	2385.8	2371.6	2532.2	2829.8	3462.9	4313.3	4460.7	4497.5
35°	2881.8	2565.3	2456.6	2489.7	2612.5	2872.4	3491.3	4507.0	4711.1	4762.1
37.5°	2943.2	2773.2	2848.7	2933.8	2981.0	3075.5	3623.5	4818.8	5083.3	5149.5
40°	3141.7	3330.6	3684.9	3850.3	3831.4	3614.1	3925.9	5258.1	5636.1	5730.6
42.5°	3647.2	4261.3	5012.5	5291.2	5130.6	4473.9	4407.8	5981.0	6411.8	6519.5
45°	4398.3	5385.7	6618.7	7247.1	6694.3	5565.2	5168.4	7010.8	7426.6	7530.5
47.5°	5149.5	6642.4	8602.9	9349.4	8262.8	6647.1	6165.2	8243.9	8618.1	8711.6
50°	5914.8	8031.3	10582.4	11579.2	9826.5	7747.8	7223.4	9765.1	10037.2	10105.3
52.5°	6703.8	9273.8	12765.0	13624.9	11461.1	8598.2	8432.9	11423.3	11585.8	11626.5
55°	7582.5	10450.1	14952.4	15646.8	12949.3	9339.9	9850.1	13157.1	13115.6	13105.2
57.5°	8754.1	11687.9	16714.5	17683.0	14300.4	10341.5	11744.6	15084.7	14272.1	14068.9
60°	10799.7	13610.7	18906.6	19960.1	16109.8	11806.0	13138.3	15042.1	13590.8	13228.0
62.5°	13171.3	15462.6	20890.8	21779.0	18013.7	13261.1	12028.0	12632.8	11196.6	10837.5
65°	11442.2	15136.6	20952.2	21864.0	18084.6	12372.9	8891.1	8957.3	7747.8	7445.5
67.5°	9736.8	13417.0	19081.4	19799.5	16133.5	10228.1	5895.9	5843.9	5084.3	4894.4
70°	8669.1	11754.0	16445.3	15826.4	13563.4	8645.5	3916.4	3245.6	2773.2	2655.1
72.5°	7790.4	9325.7	13327.2	10908.4	11253.3	7034.5	2489.7	2211.0	1844.4	1752.7
75°	7053.4	7714.8	8314.8	7540.0	7993.5	5796.7	2111.8	1705.5	1395.6	1318.1
77.5°	5612.5	6004.6	4922.7	4781.0	5598.3	4124.3	1048.8	718.1	627.4	604.7
80°	3340.1	2839.3	2792.1	3184.2	3727.5	2140.1	642.5	396.8	359.0	349.6
82.5°	2022.0	1025.2	1114.9	1407.8	1984.2	973.2	382.7	170.1	151.2	146.5
85°	340.1	278.7	429.9	411.0	387.4	207.9	103.9	47.2	43.5	42.5
87.5°	9.4	14.2	18.9	23.6	23.6	23.6	23.6	23.6	27.4	28.3
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

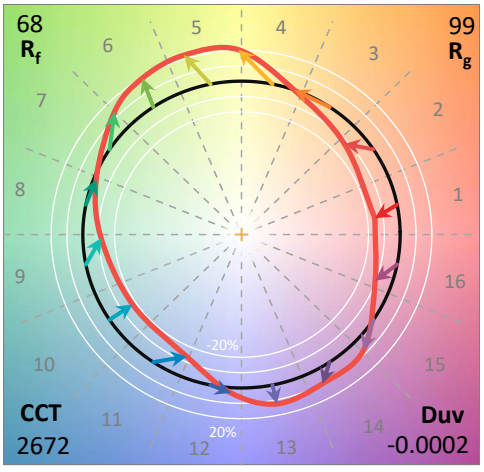
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

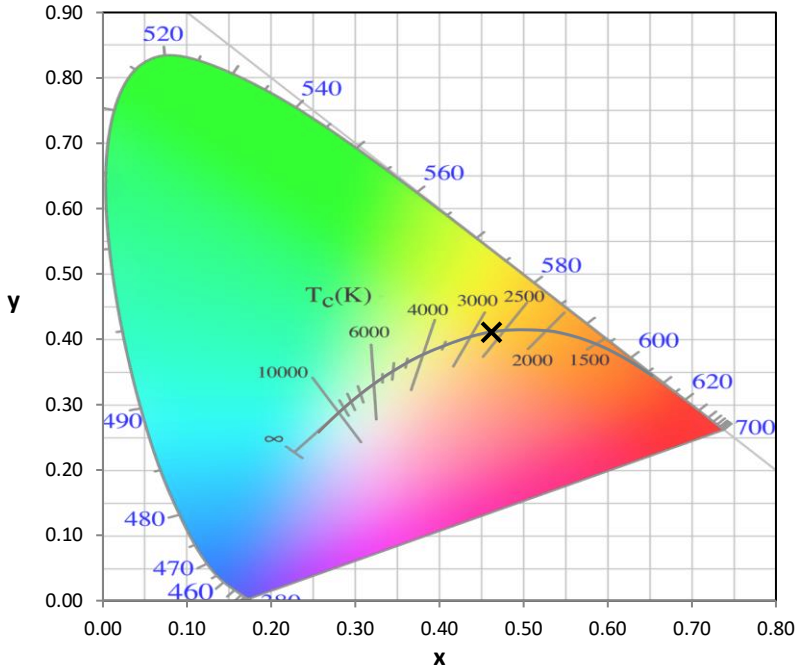
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

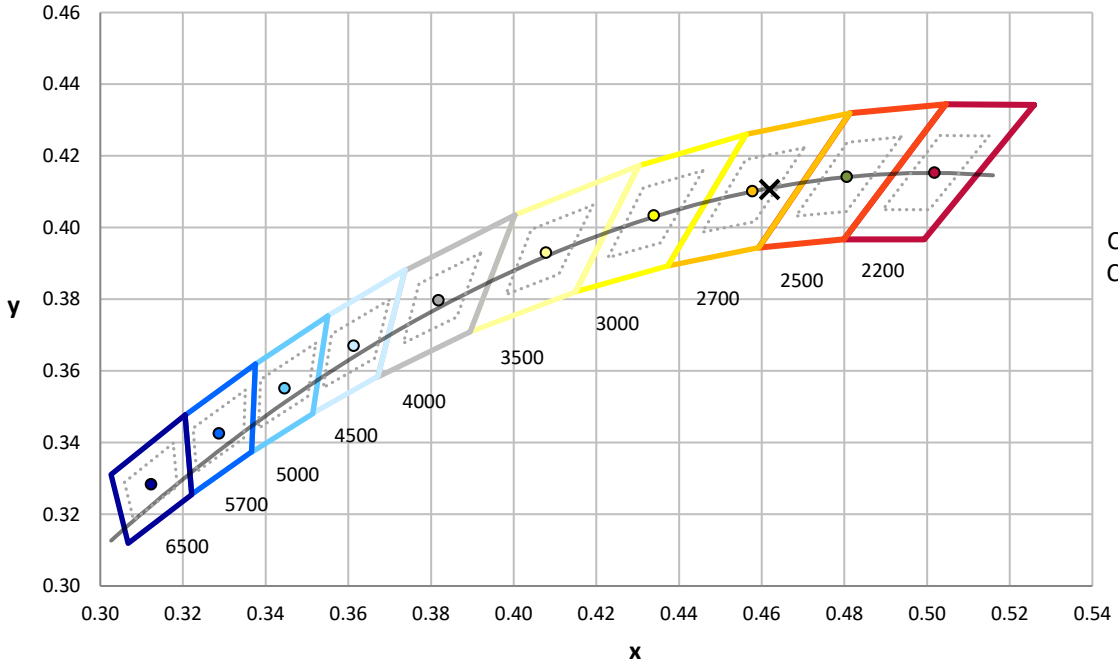
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

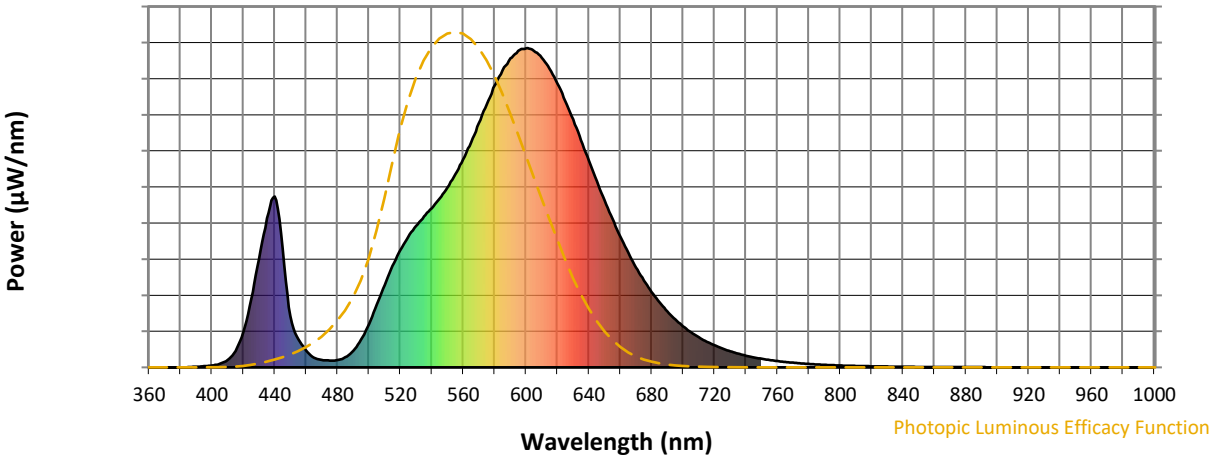


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

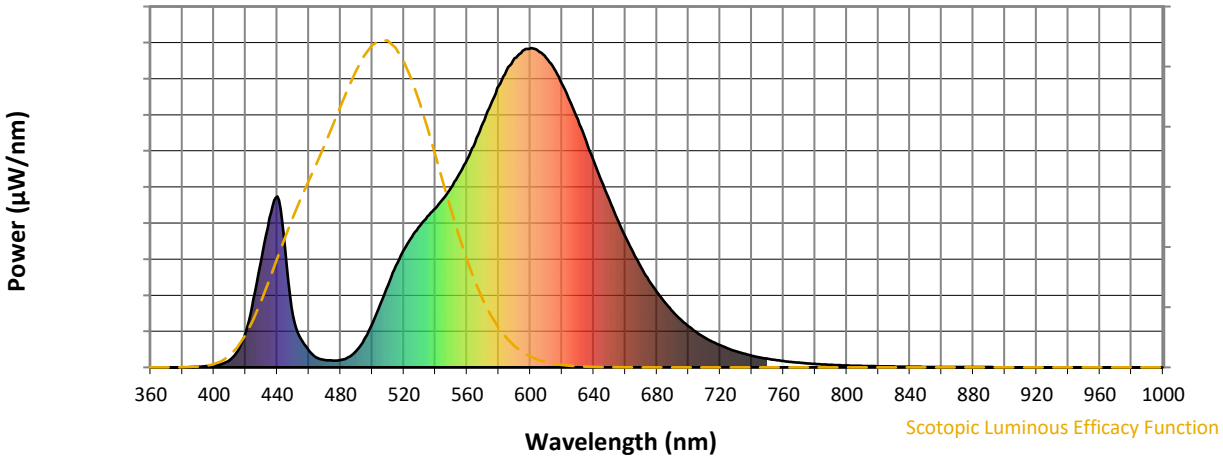


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

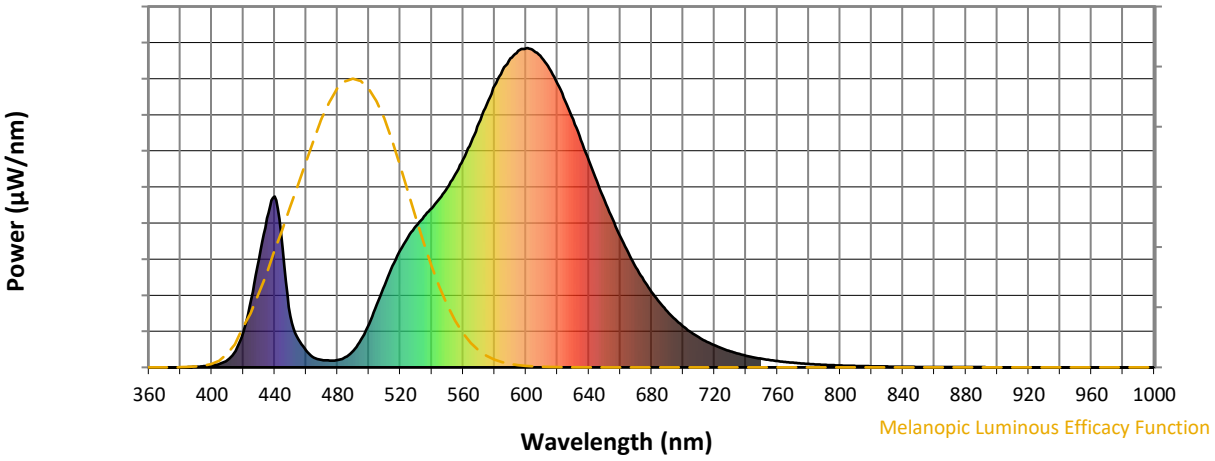


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

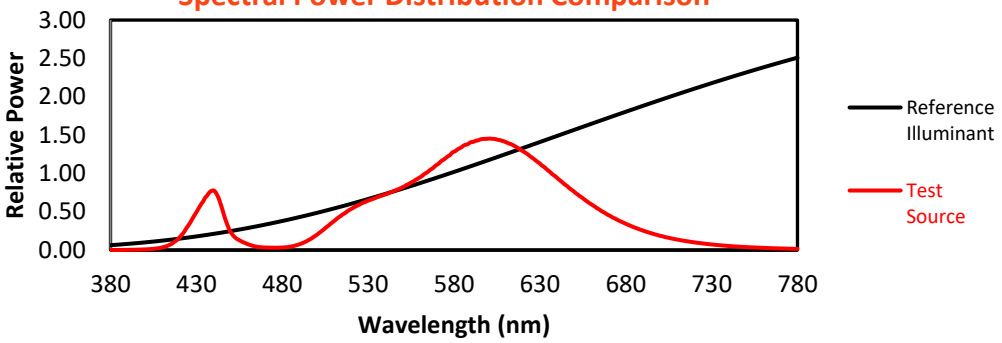
REPORT NUMBER: SP1-2407-184-3

TM-30-18

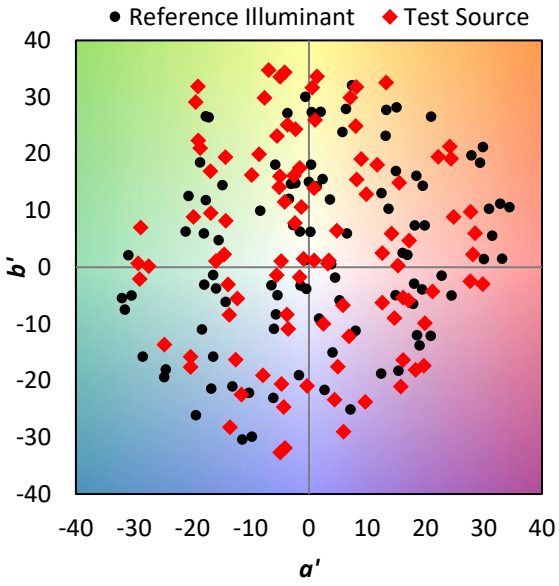
Summary

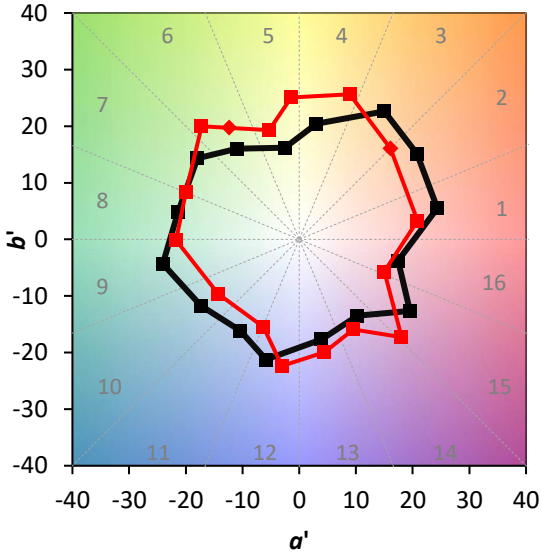
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

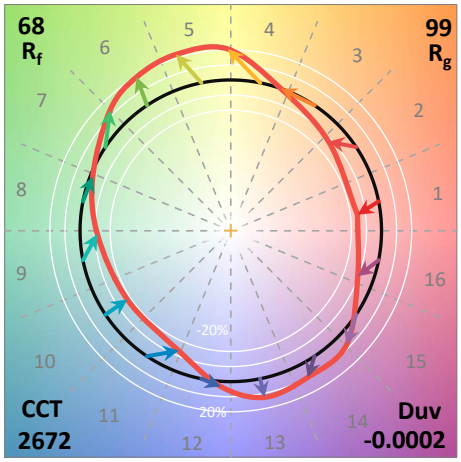
Spectral Power Distribution Comparison

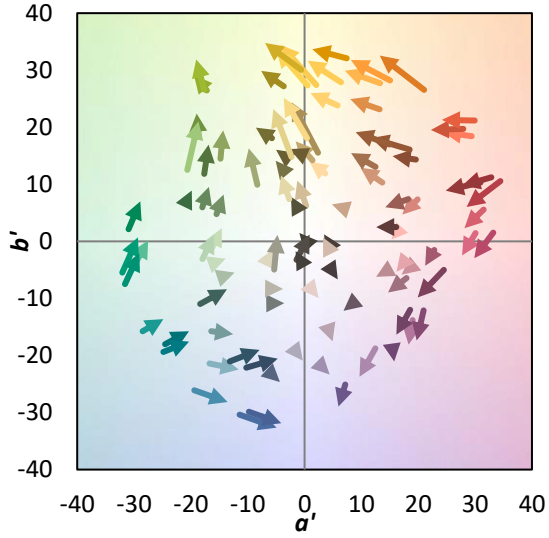


Color Vector Graphics







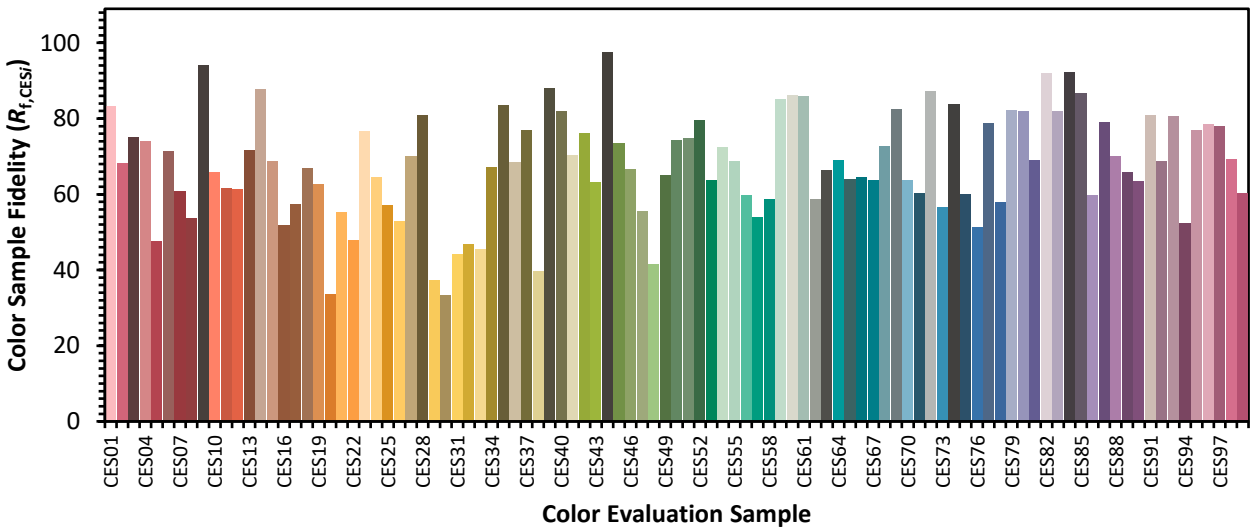


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Individual Sample Fidelity Index ($R_{f,i}$)

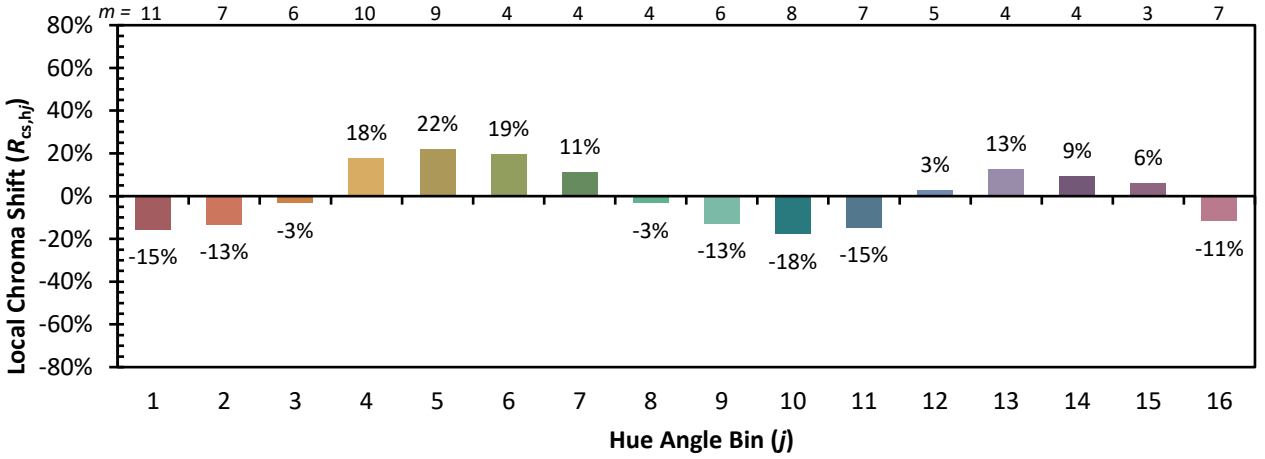
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

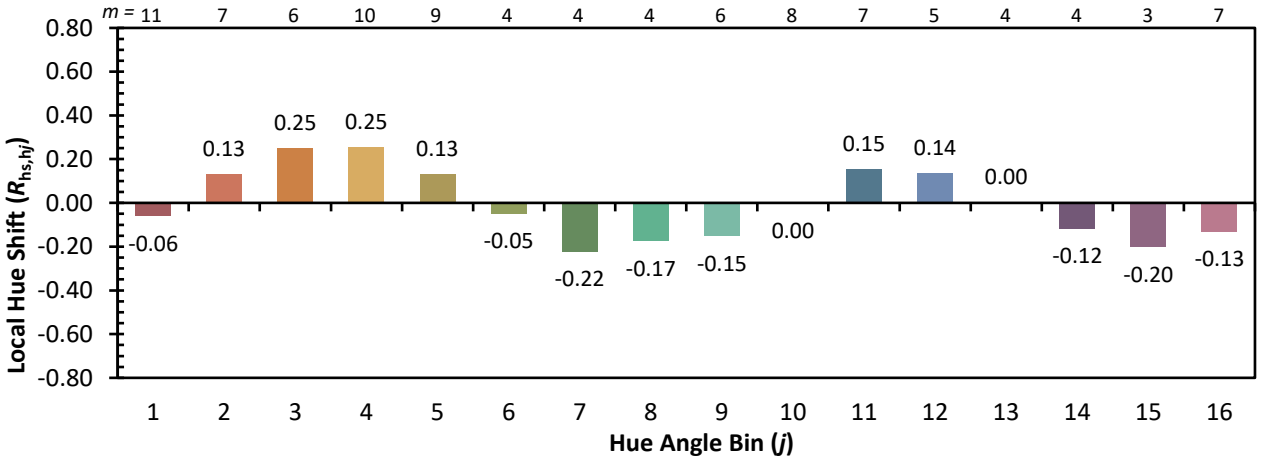


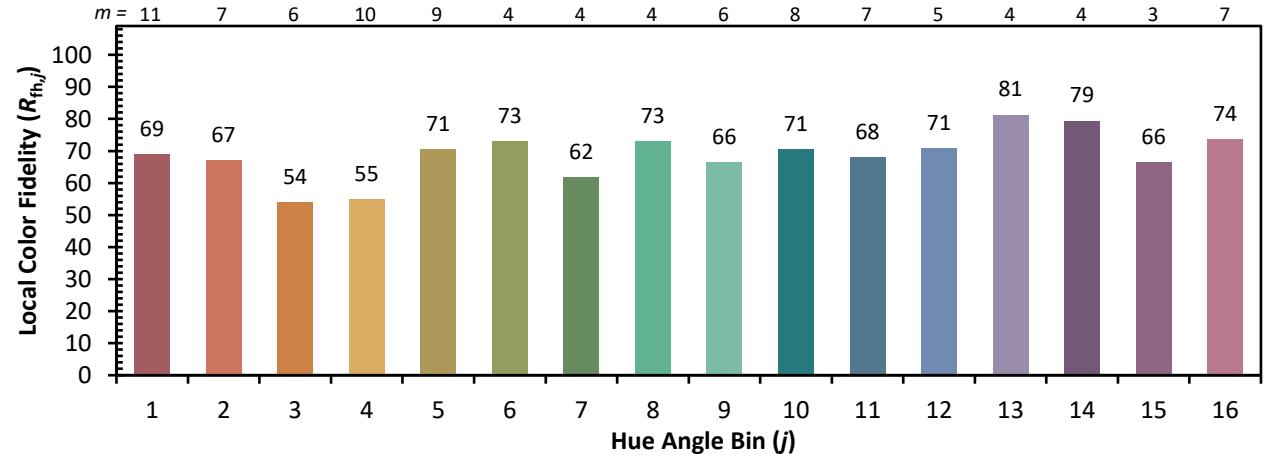
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Color Rendition by Hue-Angle Bin



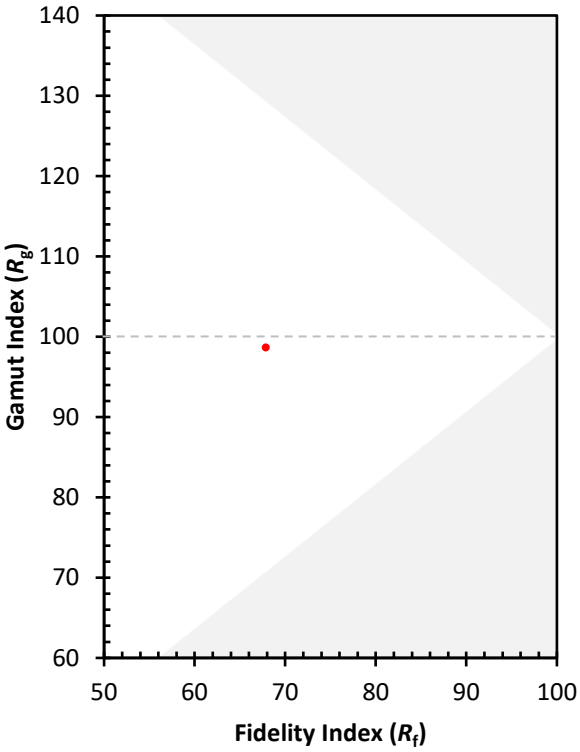


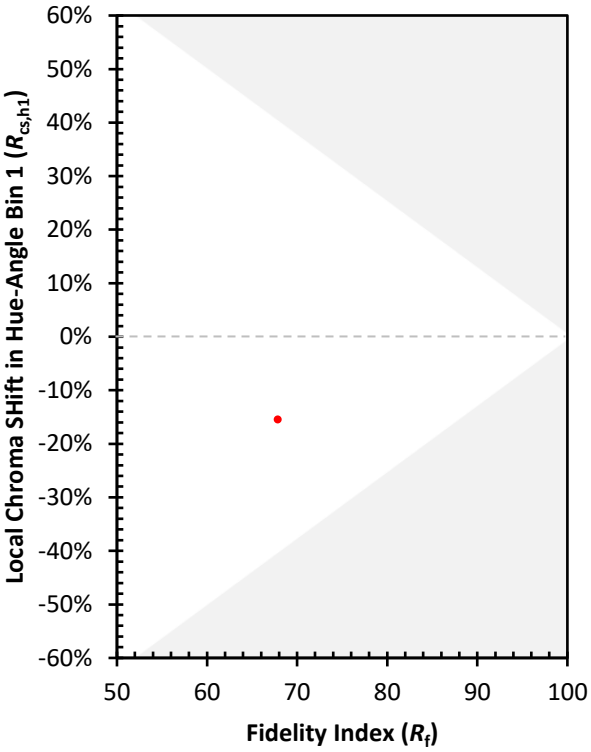


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Measure Comparisons





(END OF REPORT)