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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501926

Luminaire Tested: GSS-SB1B-835-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501926
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-835-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3861.5 lumens
Efficiency:	N/A
Efficacy:	96.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

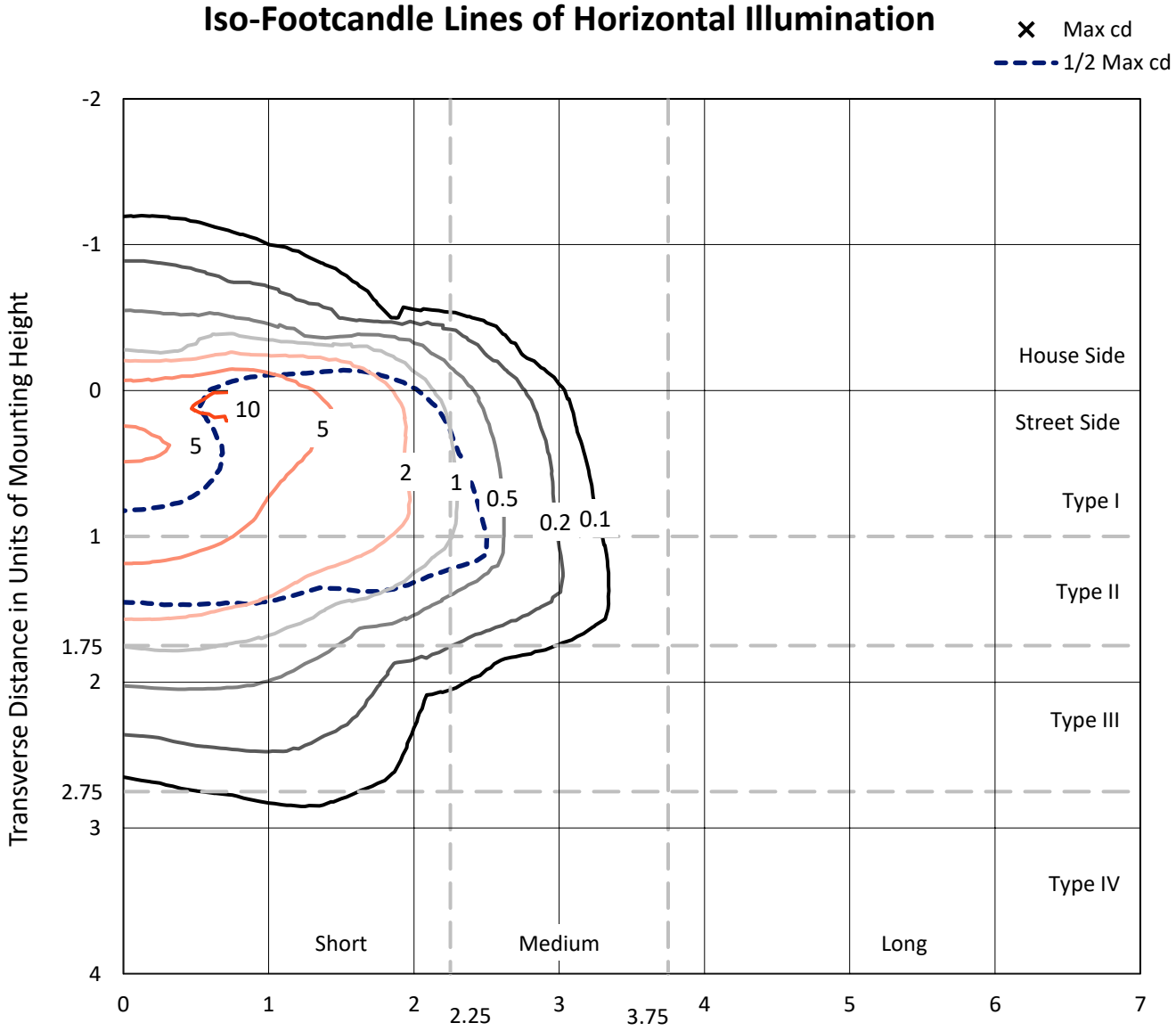
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



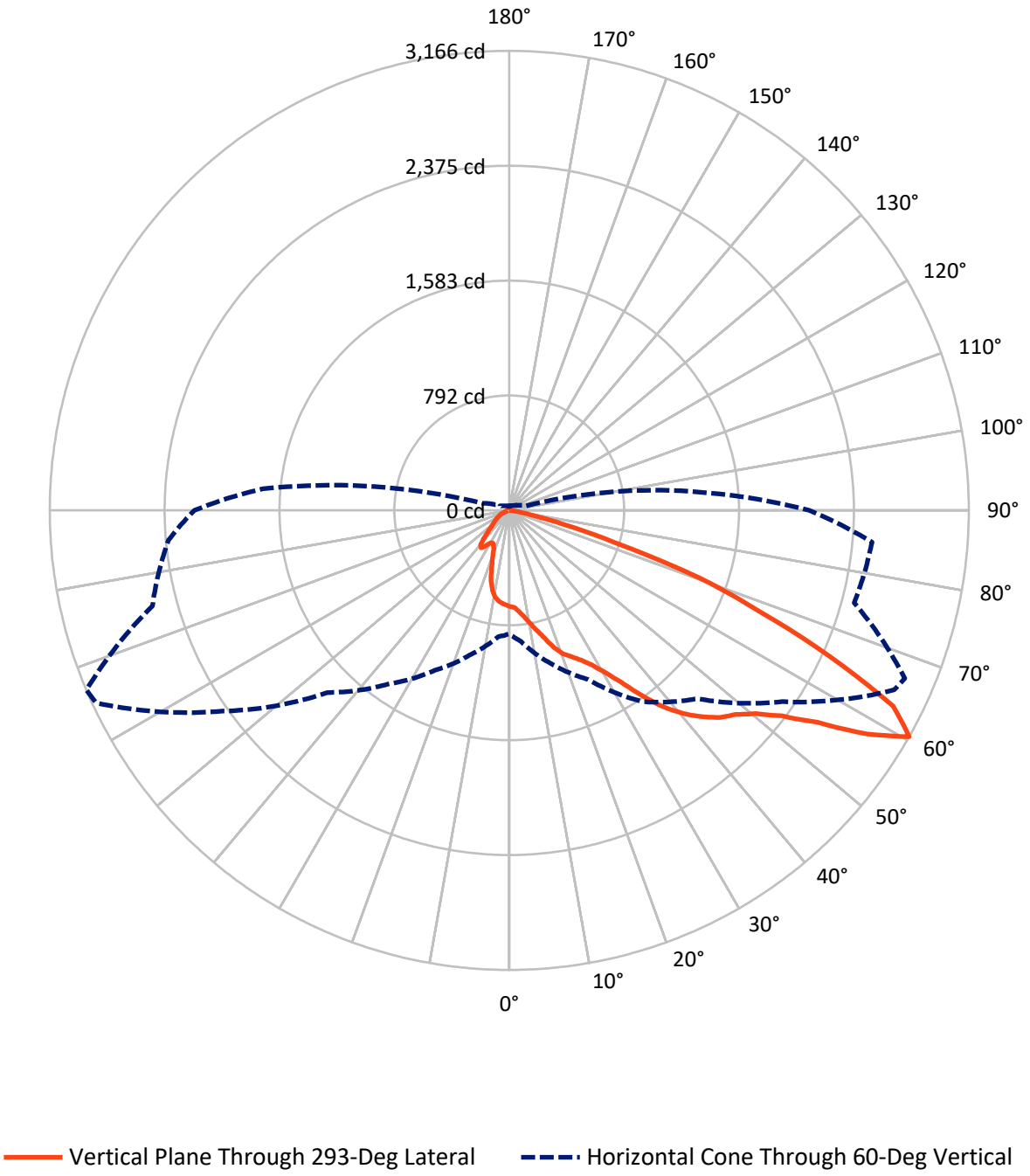
Based on 10 foot mounting height. Maximum calculated value = 11 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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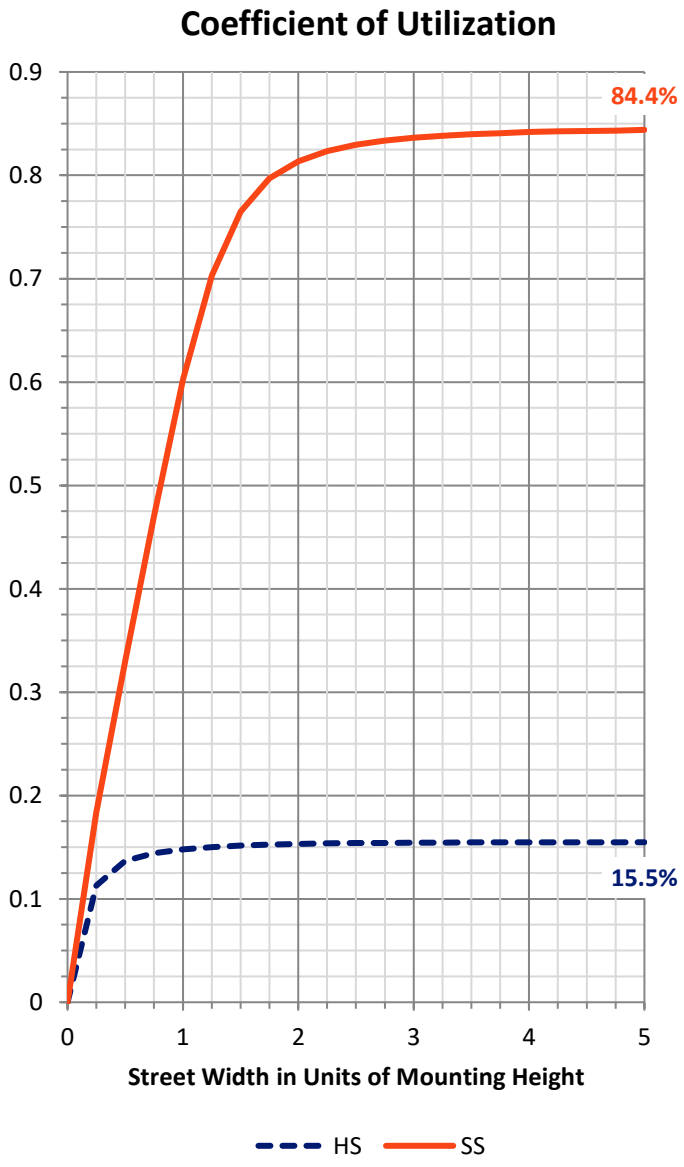
REPORT NUMBER: P1501926
CATALOG NUMBER: GSS-SB1B-835-U-T2LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	602.5	0.0	602.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3259.0	0.0	3259.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	3861.5	0.0	3861.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	1.6
10°-20°	150.9	3.9
20°-30°	281.8	7.3
30°-40°	558.7	14.5
40°-50°	890.8	23.1
50°-60°	1064.3	27.6
60°-70°	697.7	18.1
70°-80°	146.2	3.8
80°-90°	11.1	0.3
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°	3861.5	100.0
0°-180°	3861.5	100.0



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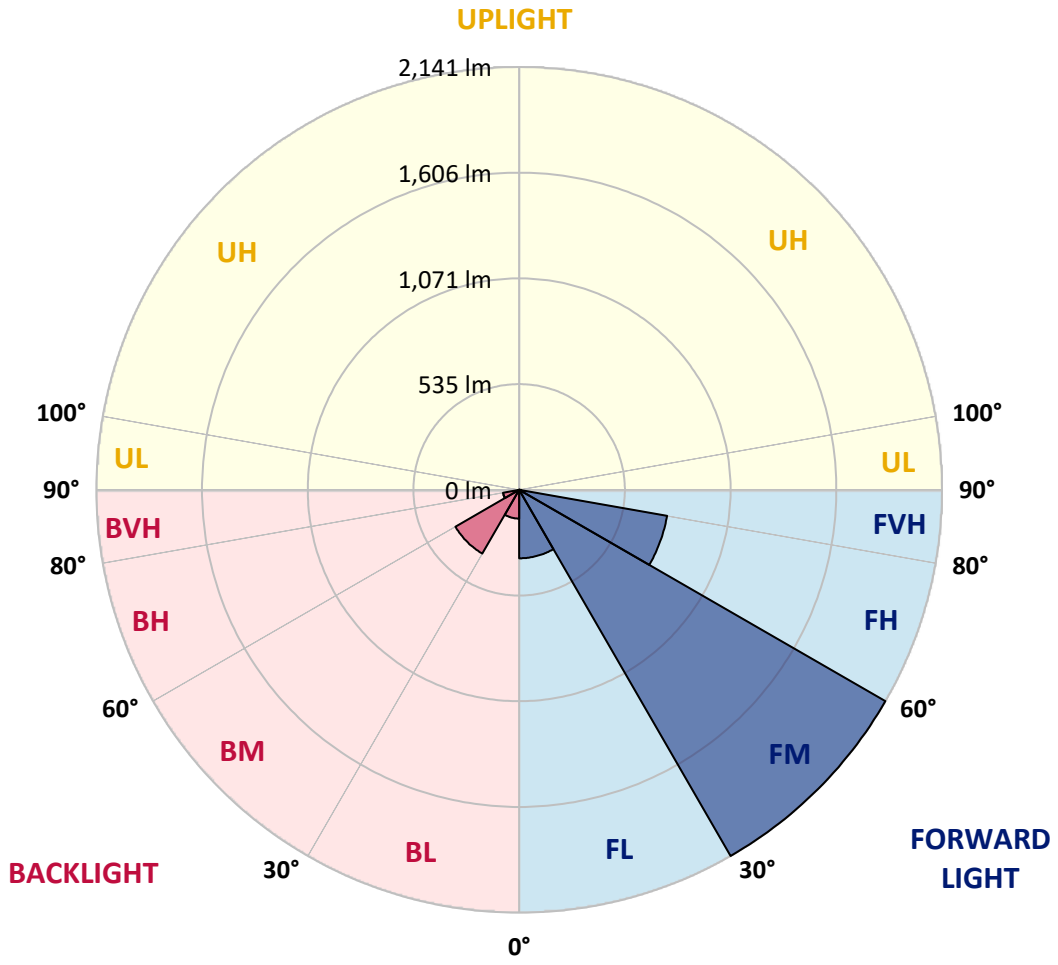
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	346.8	9.0			
FM	(30°-60°)	2141.3	55.5			
FH	(60°-80°)	760.7	19.7			G1/1800
FVH	(80°-90°)	10.1	0.3			G1/100
BL	(0°-30°)	145.8	3.8	B1/500		
BM	(30°-60°)	372.6	9.6	B1/1000		
BH	(60°-80°)	83.2	2.2	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	695.3	693.2	689.9	691.0	689.9	685.6	679.1	673.7	678.0	671.6	667.2
5°	715.9	715.9	713.7	713.7	714.8	712.6	708.3	700.7	701.8	696.4	682.4
7.5°	715.9	712.6	718.1	723.5	733.2	738.6	740.8	736.4	738.6	727.8	709.4
10°	673.7	671.6	685.6	706.2	734.3	759.1	775.4	776.4	779.7	768.9	747.2
12.5°	584.0	579.6	607.7	646.7	704.0	761.3	806.7	824.0	831.6	827.3	797.0
15°	500.7	506.1	525.6	567.7	644.5	732.1	824.0	881.3	892.2	897.6	861.9
17.5°	492.0	493.1	499.6	520.2	578.6	684.5	826.2	940.8	956.0	979.8	931.1
20°	515.8	513.7	520.2	526.6	554.8	642.4	805.6	998.1	1027.3	1078.2	1025.2
22.5°	560.2	560.2	563.4	567.7	581.8	639.1	797.0	1051.1	1100.9	1204.7	1143.0
25°	634.8	626.1	628.3	622.9	634.8	678.0	816.5	1093.3	1161.4	1345.3	1283.6
27.5°	750.5	753.7	734.3	705.1	711.6	748.3	864.0	1140.9	1224.1	1491.3	1426.4
30°	910.5	905.1	893.2	835.9	810.0	842.4	951.6	1218.7	1308.5	1676.2	1616.7
32.5°	1036.0	1051.1	1030.6	990.6	950.6	960.3	1074.9	1344.2	1411.2	1846.0	1813.5
35°	1187.4	1187.4	1191.7	1135.5	1108.4	1106.3	1229.6	1480.4	1547.5	1999.5	2022.2
37.5°	1391.8	1377.7	1353.9	1291.2	1270.6	1297.7	1374.5	1621.0	1693.5	2123.9	2184.4
40°	1563.7	1573.4	1570.2	1479.4	1439.3	1468.5	1536.7	1741.1	1797.3	2203.9	2315.3
42.5°	1732.4	1737.8	1723.8	1680.5	1622.1	1624.3	1680.5	1831.9	1889.2	2280.7	2438.6
45°	1858.9	1857.8	1848.1	1837.3	1802.7	1767.0	1776.7	1932.5	1982.2	2305.6	2505.6
47.5°	1898.9	1907.6	1916.2	1946.5	1970.3	1914.1	1864.3	1986.5	2032.0	2301.2	2530.5
50°	1862.2	1880.6	1922.7	1968.2	2049.3	2044.9	1937.9	2044.9	2089.3	2325.0	2559.7
52.5°	1780.0	1798.4	1854.6	1936.8	2059.0	2119.5	2074.1	2143.3	2195.2	2385.6	2620.2
55°	1588.6	1596.2	1711.9	1820.0	2010.3	2087.1	2220.1	2309.9	2353.1	2459.1	2700.3
57.5°	1293.4	1311.7	1425.3	1601.6	1874.1	2001.7	2303.4	2594.3	2593.2	2529.4	2717.6
60°	*851.1*	*905.1*	*1090.1*	*1284.7*	*1610.2*	*1834.1*	*2298.0*	*2927.4*	*2960.9*	*2460.2*	*2508.9*
62.5°	649.9	672.6	777.5	939.7	1191.7	1520.5	2262.3	3026.8	3052.8	2274.2	2196.3
65°	488.8	516.9	617.5	762.4	841.3	1030.6	2028.7	2631.1	2666.7	2029.8	1707.5
67.5°	299.5	322.3	456.4	626.1	636.9	640.2	1369.1	1993.0	2006.0	1637.2	1149.5
70°	200.1	222.8	315.8	481.2	507.2	368.8	751.6	1508.6	1507.5	1120.3	698.6
72.5°	115.7	126.5	200.1	354.7	399.0	234.7	375.2	959.2	917.0	526.6	326.6
75°	66.0	73.5	110.3	228.2	280.1	149.2	148.2	513.7	454.2	271.4	178.4
77.5°	40.0	43.3	60.6	149.2	168.7	100.6	82.2	239.0	230.3	159.0	94.1
80°	19.5	22.7	36.8	87.6	108.1	54.1	49.7	94.1	100.6	87.6	49.7
82.5°	6.5	8.7	20.5	33.5	70.3	21.6	20.5	51.9	55.2	51.9	23.8
85°	3.2	4.3	9.7	10.8	27.0	10.8	7.6	22.7	28.1	17.3	9.7
87.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
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°	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	664.0	661.8	657.5	649.9	648.8	643.4	634.8	629.4	625.1	628.3	629.4
5°	675.9	670.5	657.5	636.9	615.3	593.7	573.1	549.4	533.1	531.0	526.6
7.5°	697.5	686.7	658.6	618.6	563.4	511.5	450.9	392.5	363.4	359.0	349.3
10°	732.1	713.7	667.2	586.1	480.1	372.0	280.1	217.4	181.7	175.2	177.4
12.5°	773.2	747.2	668.3	531.0	365.5	230.3	159.0	135.2	127.6	124.4	124.4
15°	826.2	788.3	667.2	459.6	246.6	148.2	127.6	117.9	114.6	112.5	112.5
17.5°	893.2	843.5	659.7	352.5	166.5	128.7	116.8	109.2	104.9	103.8	103.8
20°	972.2	905.1	642.4	262.8	139.5	120.0	110.3	100.6	97.3	95.2	95.2
22.5°	1072.8	979.8	608.8	204.4	131.9	114.6	103.8	93.0	89.8	87.6	87.6
25°	1189.5	1074.9	564.5	183.8	130.8	110.3	97.3	86.5	83.3	82.2	81.1
27.5°	1328.0	1176.6	523.4	184.9	133.0	107.1	90.8	81.1	77.9	74.6	75.7
30°	1491.3	1281.5	489.9	197.9	135.2	103.8	86.5	77.9	74.6	70.3	70.3
32.5°	1652.4	1404.7	486.6	221.7	142.7	101.7	82.2	73.5	70.3	67.0	67.0
35°	1817.8	1517.2	505.0	253.0	157.9	98.4	76.8	69.2	66.0	63.8	62.7
37.5°	1975.7	1607.0	522.3	272.5	149.2	84.3	70.3	63.8	60.6	56.2	56.2
40°	2080.6	1655.6	525.6	257.4	123.3	75.7	63.8	57.3	53.0	50.8	49.7
42.5°	2157.4	1687.0	488.8	208.7	107.1	69.2	58.4	51.9	48.7	46.5	46.5
45°	2188.8	1676.2	426.1	159.0	98.4	63.8	53.0	47.6	45.4	43.3	43.3
47.5°	2184.4	1626.4	362.3	127.6	89.8	58.4	49.7	45.4	43.3	41.1	40.0
50°	2176.9	1579.9	297.4	113.5	80.0	55.2	46.5	43.3	40.0	37.8	36.8
52.5°	2226.6	1564.8	246.6	103.8	74.6	53.0	45.4	41.1	37.8	35.7	35.7
55°	2276.4	1571.3	193.6	97.3	69.2	51.9	44.3	40.0	36.8	33.5	33.5
57.5°	2273.1	1543.2	147.1	90.8	64.9	50.8	43.3	38.9	33.5	31.4	31.4
60°	*2066.6*	*1376.6*	*114.6*	*83.3*	*59.5*	*47.6*	*40.0*	*36.8*	*31.4*	*28.1*	*28.1*
62.5°	1747.5	1082.5	94.1	73.5	53.0	43.3	36.8	33.5	28.1	22.7	22.7
65°	1291.2	780.8	75.7	63.8	48.7	37.8	33.5	29.2	22.7	18.4	17.3
67.5°	873.8	480.1	60.6	53.0	43.3	32.4	28.1	24.9	20.5	15.1	14.1
70°	518.0	255.2	44.3	36.8	32.4	23.8	23.8	21.6	17.3	13.0	11.9
72.5°	246.6	88.7	32.4	27.0	24.9	17.3	18.4	18.4	14.1	9.7	8.7
75°	125.4	43.3	21.6	19.5	16.2	13.0	15.1	14.1	9.7	6.5	6.5
77.5°	71.4	30.3	15.1	13.0	10.8	8.7	9.7	8.7	5.4	3.2	3.2
80°	40.0	21.6	9.7	8.7	6.5	5.4	5.4	4.3	3.2	1.1	1.1
82.5°	15.1	13.0	6.5	4.3	3.2	3.2	2.2	2.2	1.1	0.0	0.0
85°	6.5	3.2	3.2	2.2	2.2	1.1	1.1	1.1	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	620.7	622.9	625.1	633.7	635.9	642.4	647.8	654.2	655.3	664.0	664.0
5°	535.3	534.2	552.6	579.6	596.9	620.7	639.1	658.6	669.4	683.4	689.9
7.5°	354.7	381.7	422.8	470.4	532.1	589.4	632.6	670.5	696.4	712.6	719.1
10°	176.3	191.4	234.7	312.5	417.4	534.2	626.1	696.4	738.6	757.0	768.9
12.5°	124.4	127.6	135.2	177.4	277.9	443.4	605.6	724.5	782.9	817.5	832.7
15°	111.4	113.5	116.8	128.7	171.9	330.9	568.8	755.9	852.1	892.2	911.6
17.5°	102.7	103.8	107.1	116.8	135.2	224.9	509.3	789.4	935.4	984.1	1020.8
20°	95.2	95.2	98.4	110.3	125.4	173.0	423.9	827.3	1041.4	1111.7	1148.4
22.5°	86.5	88.7	90.8	103.8	122.2	157.9	343.9	856.5	1159.3	1244.7	1288.0
25°	80.0	82.2	84.3	97.3	119.0	157.9	297.4	874.9	1291.2	1392.8	1452.3
27.5°	74.6	76.8	80.0	93.0	115.7	164.4	279.0	880.3	1435.0	1567.0	1647.0
30°	70.3	72.5	75.7	89.8	117.9	171.9	285.5	872.7	1581.0	1746.5	1841.6
32.5°	66.0	68.1	71.4	86.5	117.9	181.7	307.1	857.6	1722.7	1926.0	2042.8
35°	62.7	63.8	64.9	77.9	107.1	180.6	334.2	842.4	1865.4	2103.3	2239.6
37.5°	56.2	57.3	59.5	67.0	85.4	164.4	339.6	824.0	1977.9	2252.6	2402.9
40°	49.7	51.9	54.1	61.6	71.4	133.0	315.8	785.1	2037.4	2367.2	2549.9
42.5°	45.4	46.5	48.7	56.2	66.0	106.0	264.9	717.0	2090.4	2445.1	2657.0
45°	42.2	43.3	45.4	50.8	61.6	91.9	208.7	633.7	2094.7	2469.9	2708.9
47.5°	38.9	40.0	41.1	46.5	59.5	82.2	160.0	558.0	2093.6	2502.4	2753.3
50°	36.8	37.8	40.0	44.3	56.2	73.5	131.9	496.4	2139.0	2572.7	2843.0
52.5°	35.7	35.7	38.9	43.3	53.0	67.0	110.3	441.2	2162.8	2641.9	2907.9
55°	33.5	34.6	36.8	41.1	49.7	63.8	94.1	372.0	2173.6	2676.5	2919.8
57.5°	31.4	32.4	35.7	38.9	47.6	60.6	81.1	277.9	2019.0	2495.9	2720.8
60°	*28.1*	*30.3*	*34.6*	*37.8*	*44.3*	*55.2*	*71.4*	*188.2*	*1703.2*	*2169.3*	*2357.5*
62.5°	22.7	27.0	31.4	33.5	40.0	46.5	60.6	125.4	1360.4	1795.1	2009.2
65°	17.3	22.7	26.0	29.2	33.5	38.9	50.8	85.4	907.3	1207.9	1449.1
67.5°	15.1	19.5	21.6	23.8	28.1	33.5	41.1	59.5	550.4	725.6	963.5
70°	11.9	16.2	18.4	17.3	21.6	26.0	29.2	40.0	281.2	393.6	548.3
72.5°	8.7	13.0	14.1	14.1	13.0	18.4	21.6	28.1	122.2	191.4	248.7
75°	6.5	8.7	9.7	8.7	7.6	11.9	15.1	18.4	80.0	114.6	144.9
77.5°	3.2	3.2	5.4	5.4	3.2	6.5	7.6	10.8	45.4	67.0	83.3
80°	1.1	0.0	0.0	1.1	0.0	2.2	3.2	5.4	23.8	35.7	51.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	11.9	10.8	27.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1501926
CATALOG NUMBER: GSS-SB1B-835-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	661.8	*661.8*	661.8	661.8	661.8	661.8	661.8	661.8	661.8	661.8
2.5°	669.4	*669.4*	673.7	680.2	683.4	685.6	686.7	688.9	697.5	695.3
5°	697.5	*699.7*	702.9	709.4	717.0	714.8	714.8	714.8	720.2	715.9
7.5°	734.3	*740.8*	741.8	749.4	744.0	733.2	726.7	717.0	715.9	715.9
10°	793.7	*791.6*	791.6	781.9	762.4	731.0	702.9	683.4	672.6	673.7
12.5°	857.6	*848.9*	850.0	814.3	759.1	689.9	632.6	590.4	587.2	584.0
15°	936.5	*913.8*	909.5	827.3	710.5	604.5	548.3	514.7	503.9	500.7
17.5°	1049.0	*991.6*	971.1	804.6	646.7	551.5	509.3	494.2	493.1	492.0
20°	1167.9	*1054.4*	1015.4	771.0	625.1	552.6	521.2	516.9	514.7	515.8
22.5°	1306.3	*1094.4*	1044.6	776.4	644.5	588.3	563.4	560.2	558.0	560.2
25°	1449.1	*1140.9*	1079.2	819.7	702.9	654.2	625.1	618.6	625.1	634.8
27.5°	1592.9	*1203.6*	1147.4	905.1	797.0	744.0	715.9	739.7	749.4	750.5
30°	1720.5	*1291.2*	1239.3	1025.2	904.1	851.1	856.5	886.8	898.6	910.5
32.5°	1837.3	*1408.0*	1368.0	1161.4	1042.5	1011.1	1007.9	1030.6	1043.6	1036.0
35°	1955.2	*1560.5*	1521.5	1309.6	1212.3	1186.3	1159.3	1203.6	1199.3	1187.4
37.5°	2066.6	*1714.0*	1678.3	1468.5	1368.0	1322.6	1318.2	1358.2	1393.9	1391.8
40°	2146.6	*1838.4*	1795.1	1626.4	1531.3	1492.3	1515.0	1584.3	1575.6	1563.7
42.5°	2220.1	*1944.4*	1905.4	1764.8	1665.4	1682.7	1703.2	1749.7	1744.3	1732.4
45°	2254.7	*2035.2*	2001.7	1869.7	1821.1	1876.2	1875.2	1892.5	1863.3	1858.9
47.5°	2303.4	*2100.1*	2065.5	1963.8	2007.1	2029.8	1966.0	1947.6	1920.6	1898.9
50°	2393.1	*2200.7*	2166.0	2106.6	2143.3	2073.0	1995.2	1955.2	1900.0	1862.2
52.5°	2498.0	*2353.1*	2322.9	2299.1	2196.3	2051.4	1951.9	1879.5	1812.4	1780.0
55°	2630.0	*2578.1*	2556.4	2425.6	2148.7	1962.7	1846.0	1710.8	1618.9	1588.6
57.5°	2673.2	*2907.9*	2900.3	2446.1	2015.7	1801.6	1590.7	1408.0	1312.8	1293.4
60°	*2545.6*	*3166.3*	*3139.3*	*2411.5*	*1774.6*	*1462.1*	*1215.5*	*1028.4*	*873.8*	*851.1*
62.5°	2382.3	*2968.5*	2958.7	2237.4	1351.8	1047.9	908.4	733.2	667.2	649.9
65°	2040.6	*2428.8*	2433.2	1795.1	855.4	752.7	746.2	582.9	501.8	488.8
67.5°	1571.3	*1863.3*	1833.0	1129.0	498.5	602.3	595.9	426.1	308.2	299.5
70°	918.1	*1387.4*	1338.8	587.2	329.8	502.9	458.5	299.5	209.8	200.1
72.5°	405.5	*763.5*	819.7	258.5	232.5	400.1	330.9	183.8	117.9	115.7
75°	224.9	*378.5*	395.8	112.5	163.3	284.4	200.1	102.7	67.0	66.0
77.5°	135.2	*167.6*	163.3	72.5	122.2	181.7	121.1	58.4	42.2	40.0
80°	75.7	*76.8*	64.9	53.0	72.5	101.7	68.1	36.8	19.5	19.5
82.5°	46.5	*42.2*	33.5	16.2	19.5	61.6	24.9	20.5	6.5	6.5
85°	19.5	*13.0*	8.7	3.2	7.6	16.2	8.7	9.7	3.2	3.2
87.5°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

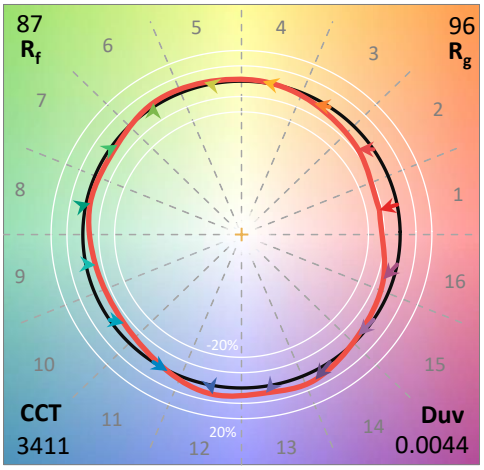
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

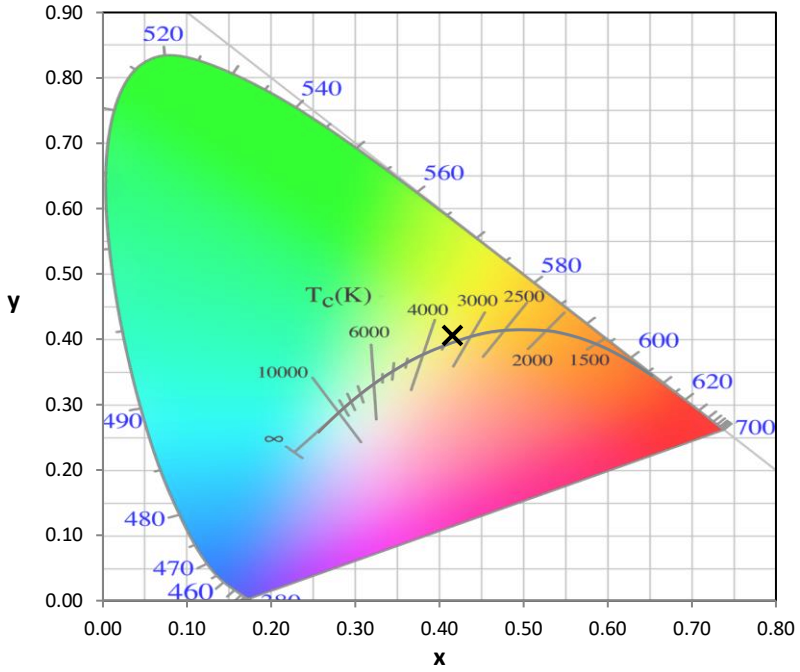
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

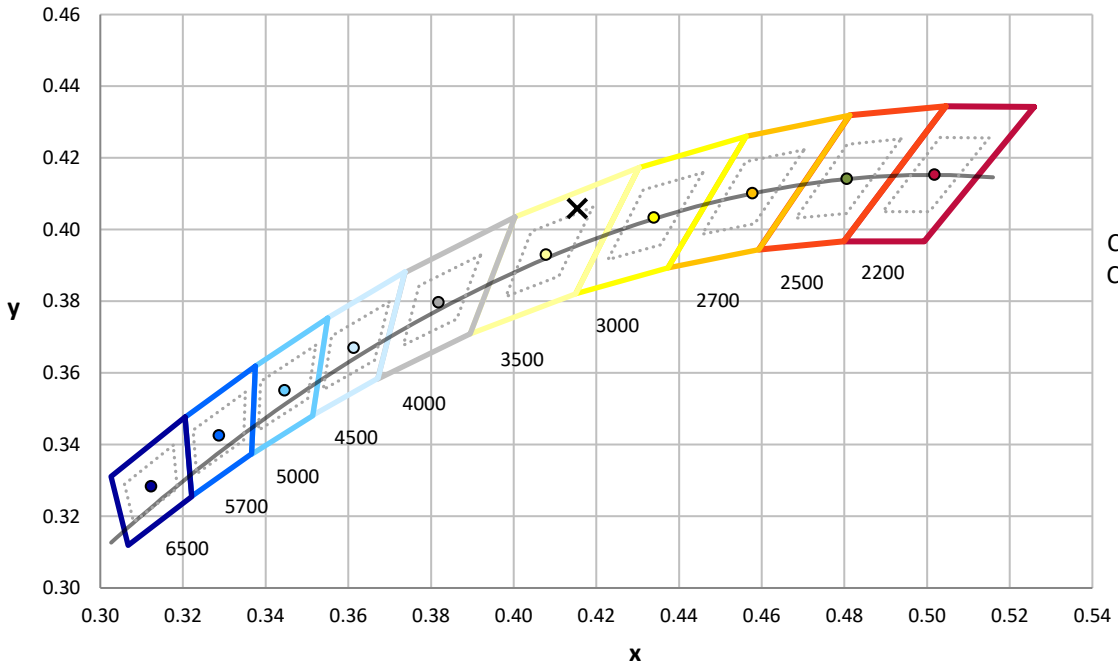
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

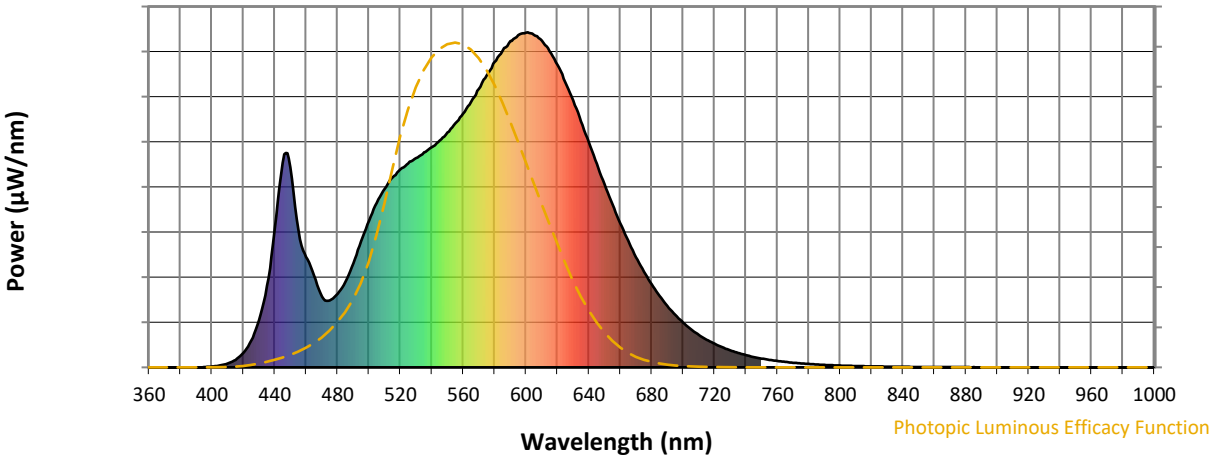


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

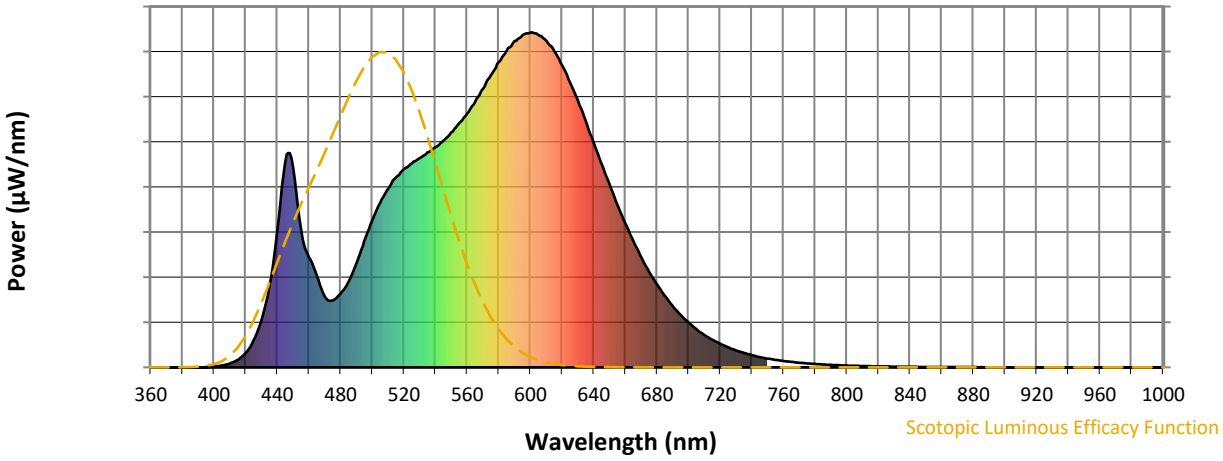


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

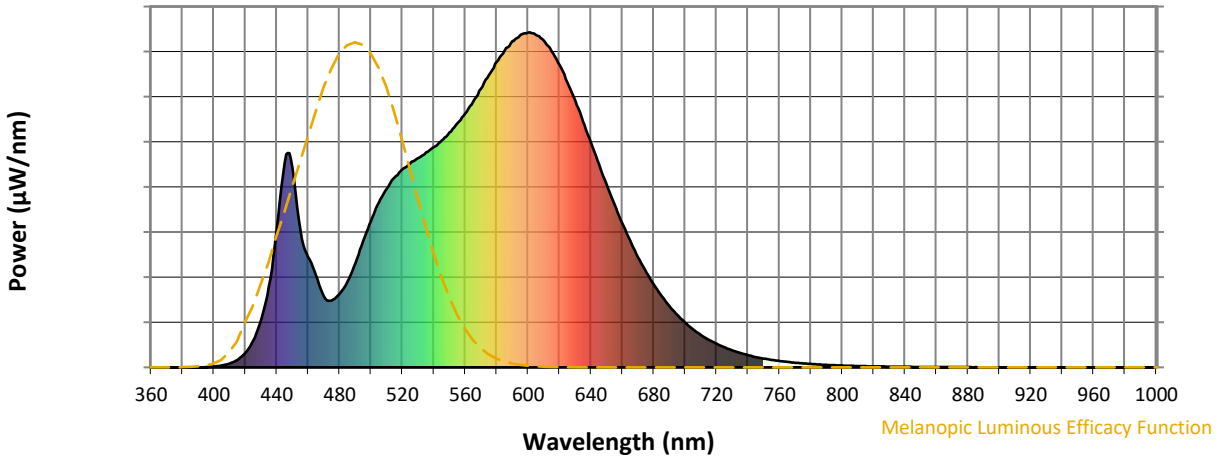


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

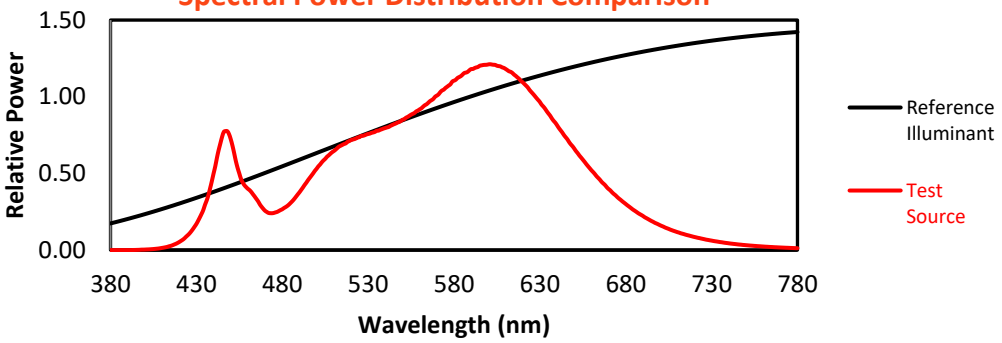
REPORT NUMBER: SP1-2407-184-10

TM-30-18

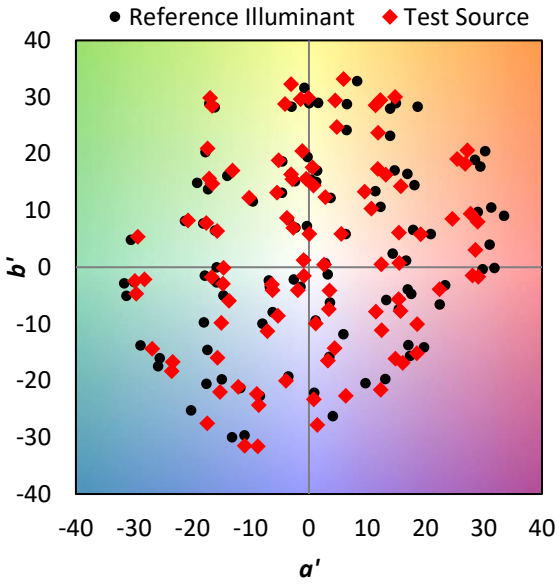
Summary

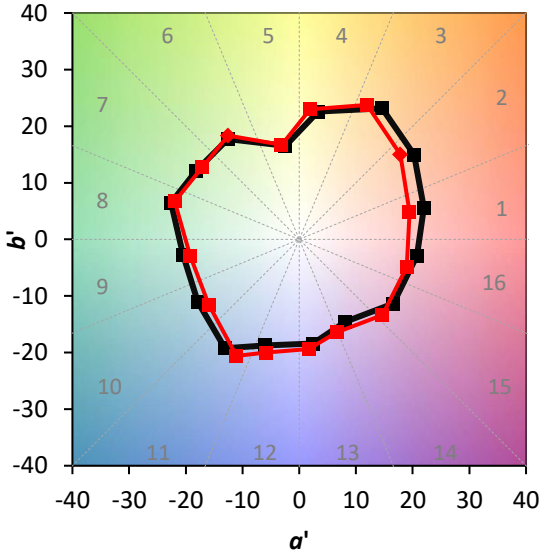
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

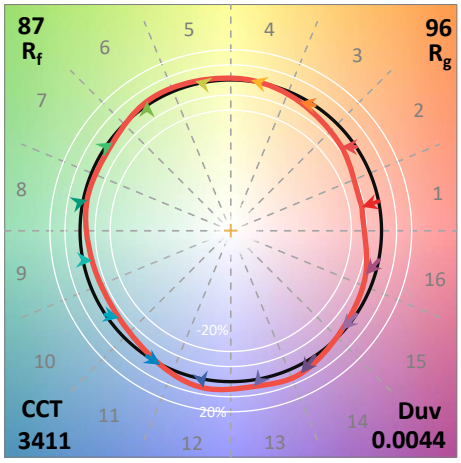
Spectral Power Distribution Comparison

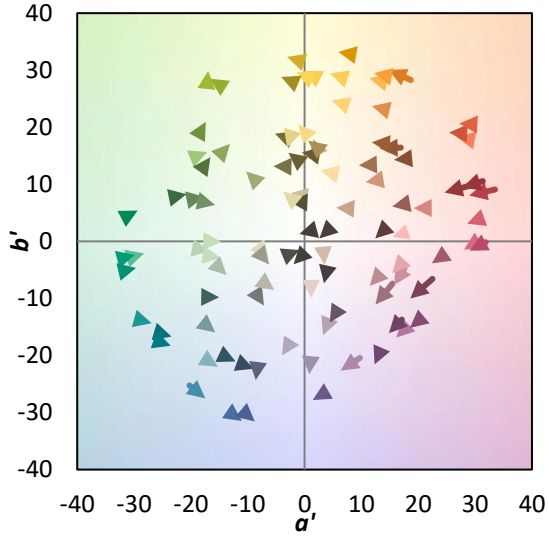


Color Vector Graphics







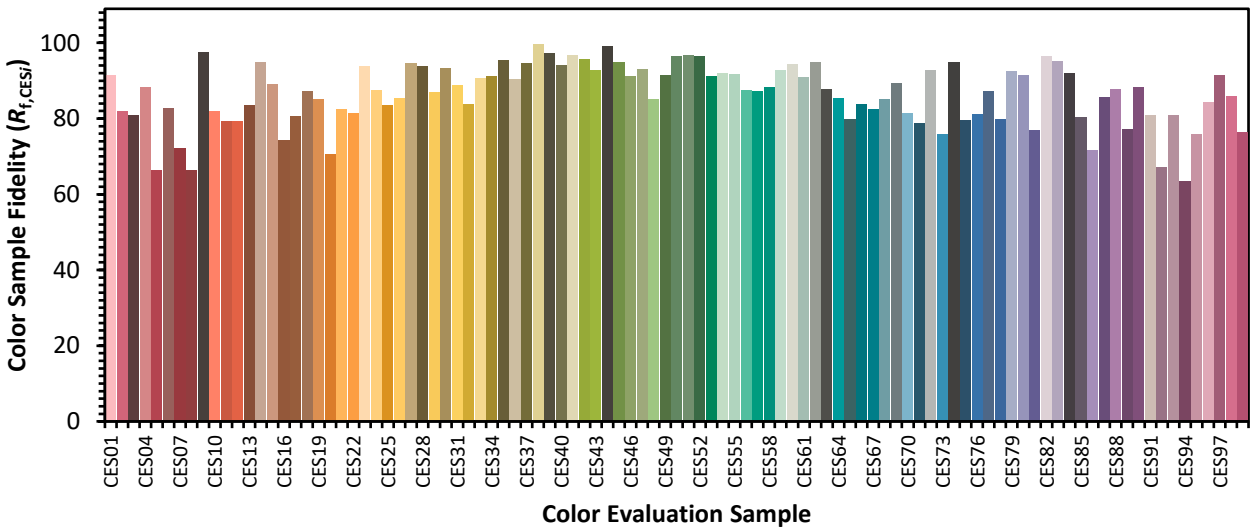


REPORT NUMBER: SP1-2407-184-10

TM-30-18

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

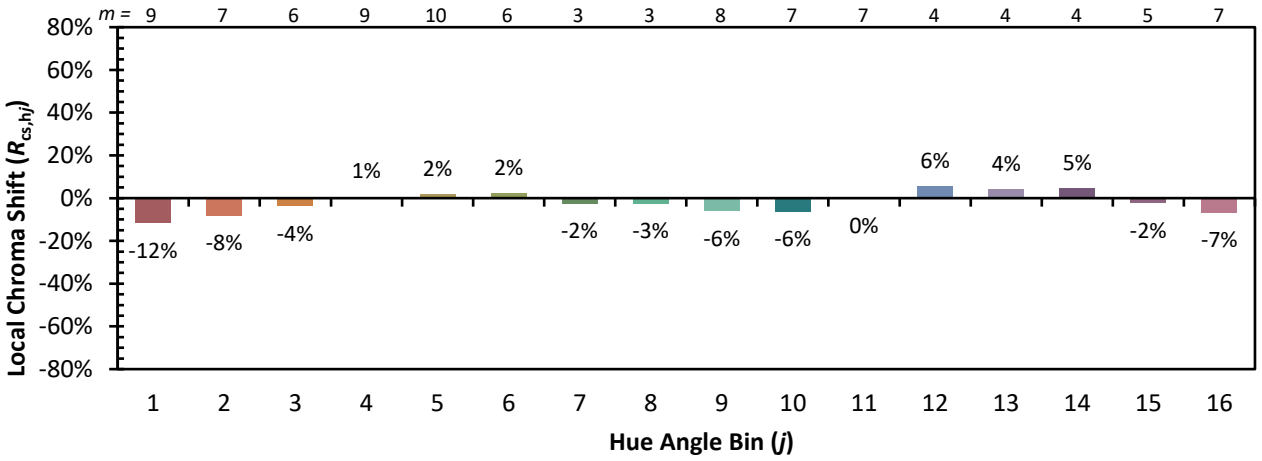
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

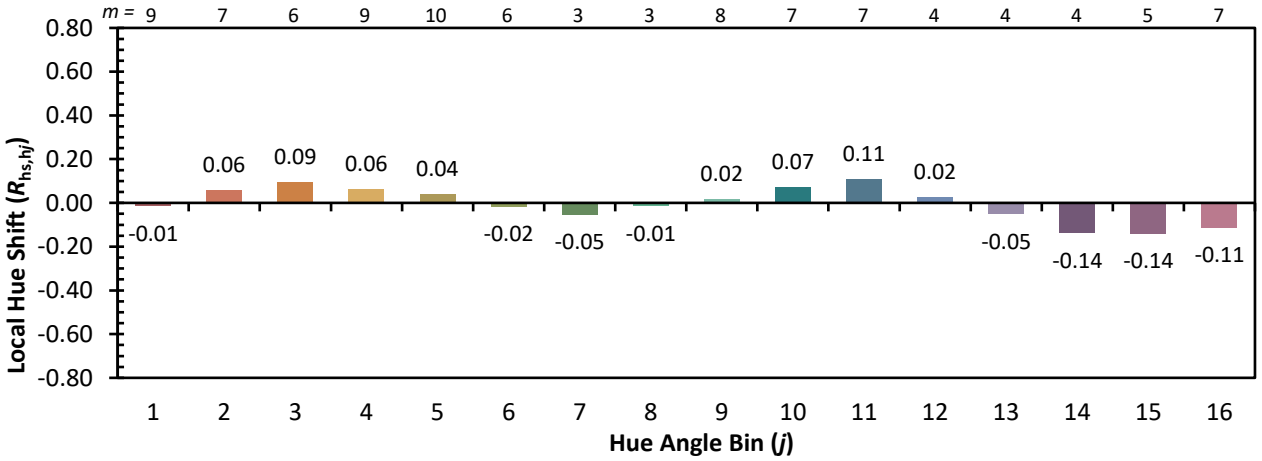


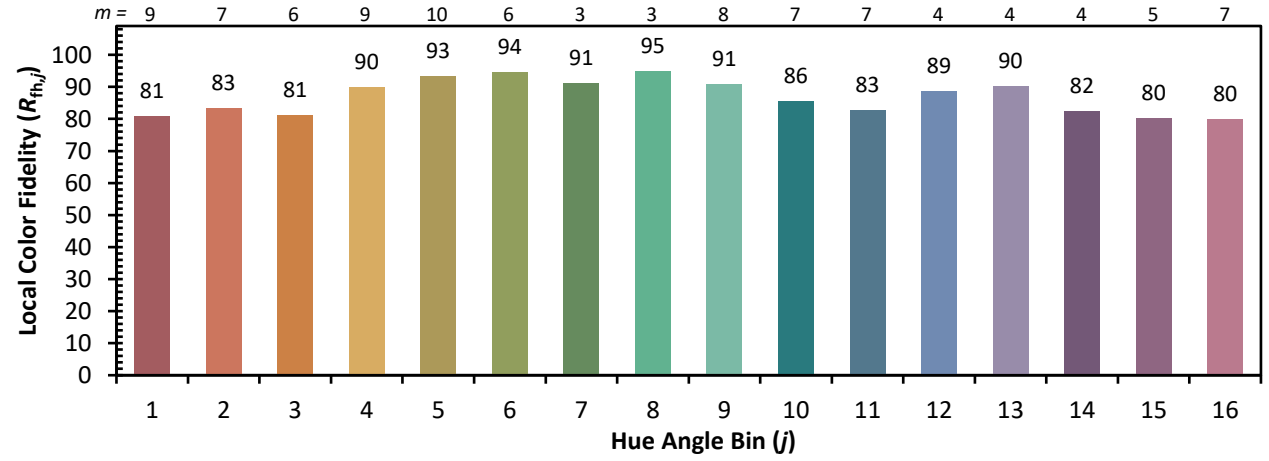
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Color Rendition by Hue-Angle Bin



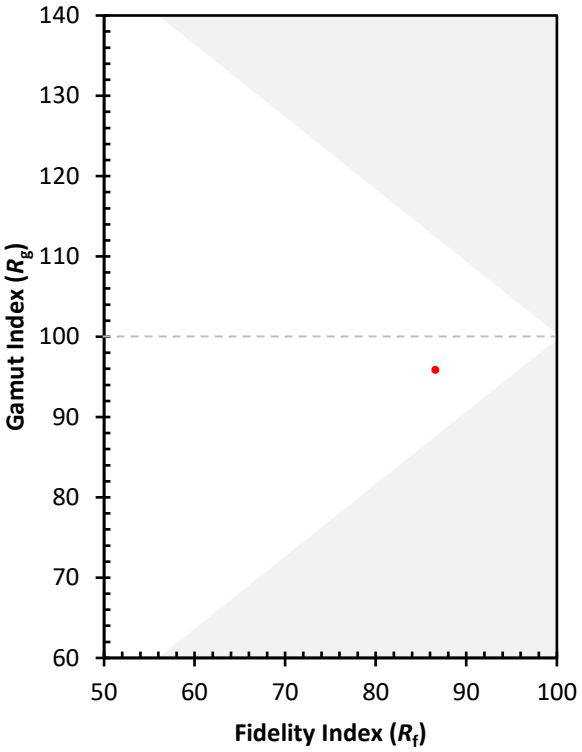


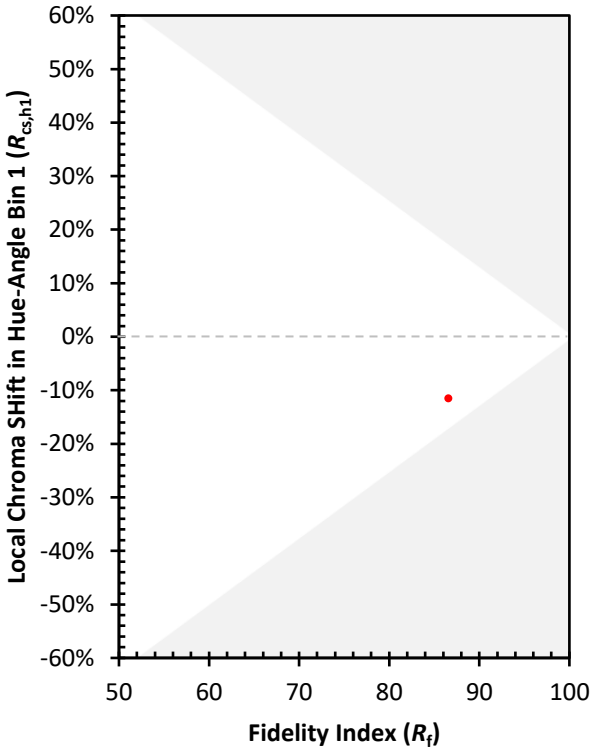


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Measure Comparisons





(END OF REPORT)