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: P1501735

Luminaire Tested: GSS-SB1C-722-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501735
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4535 lumens
Efficiency:	N/A
Efficacy:	87.2 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

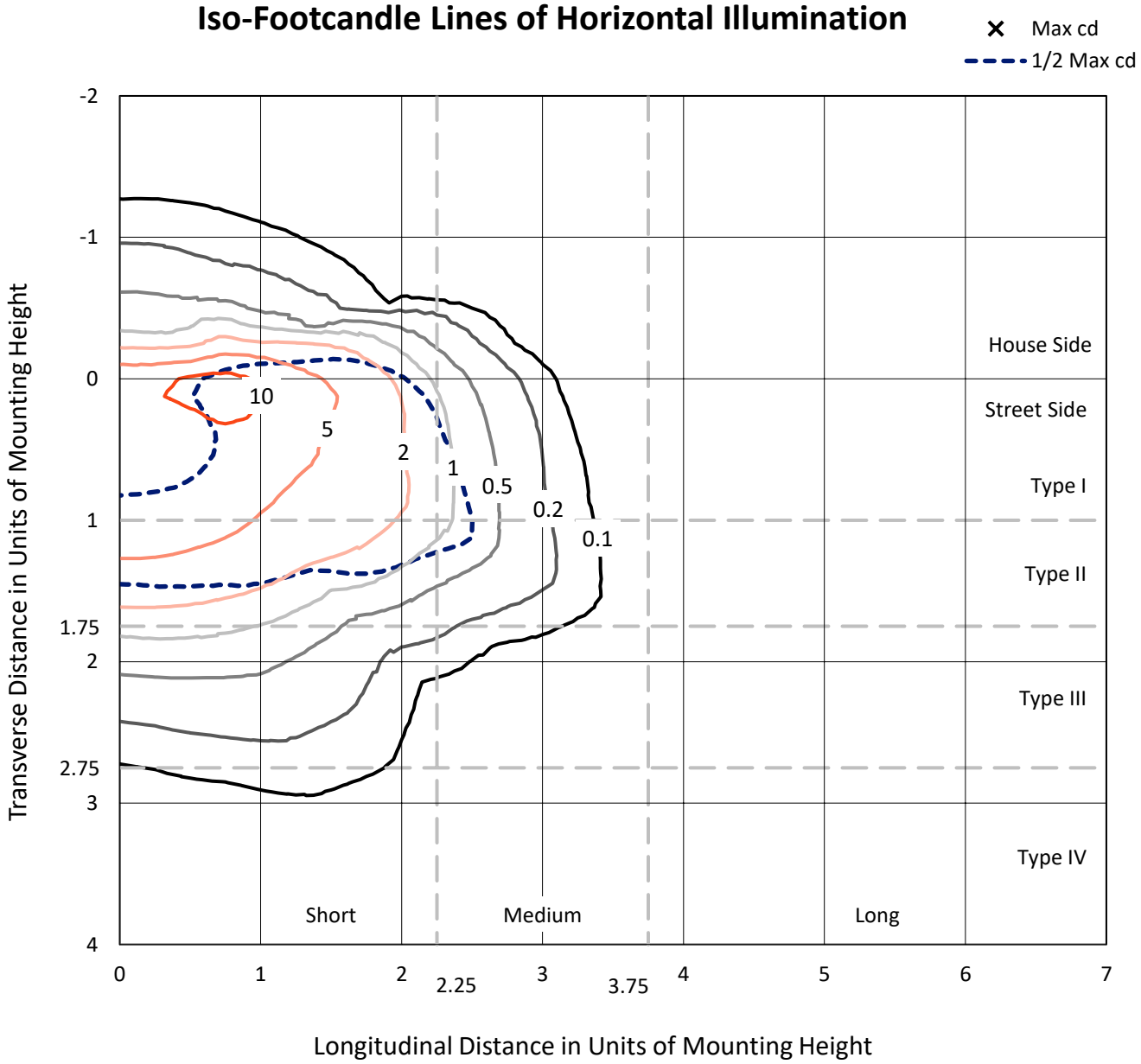
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



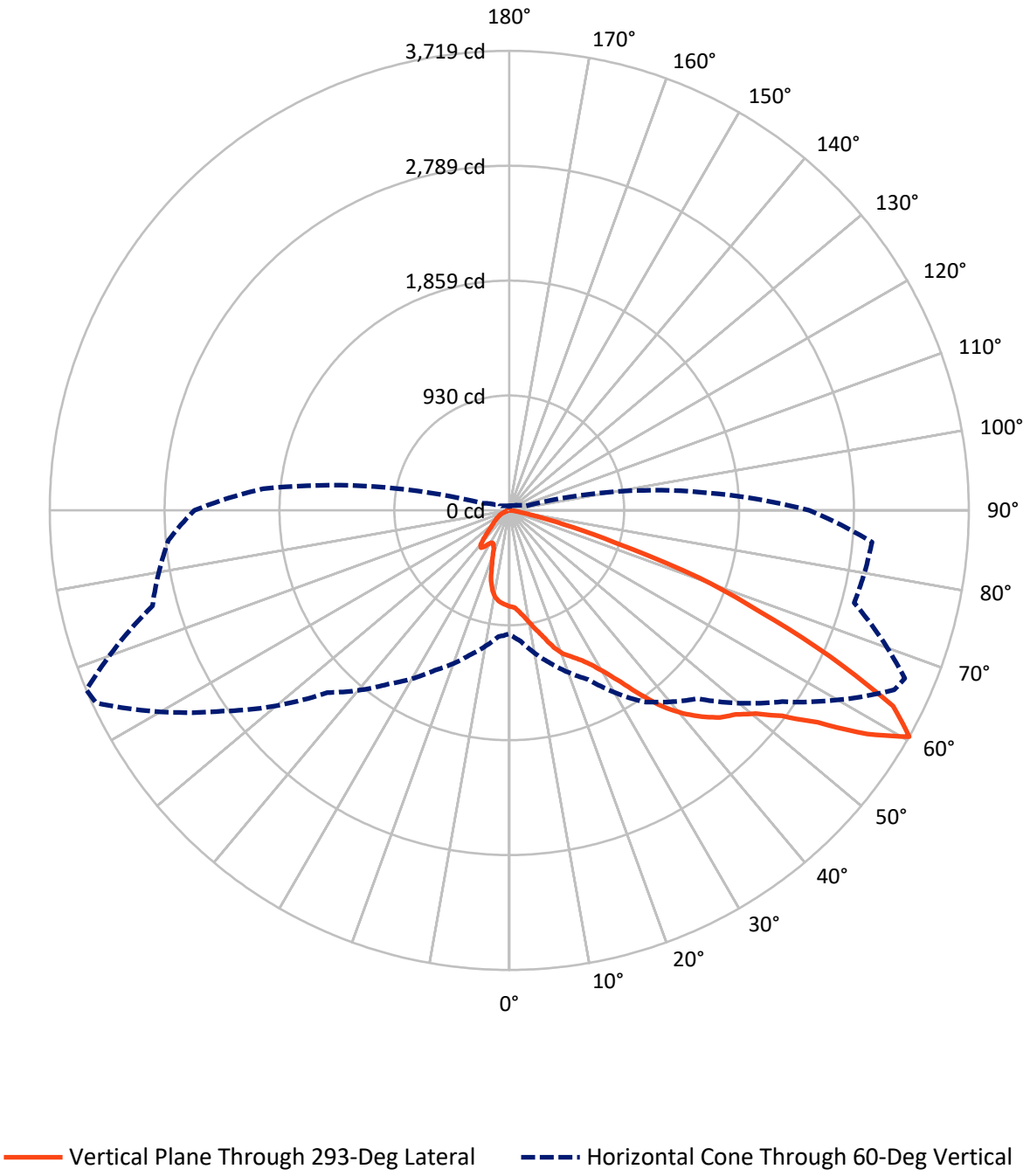
Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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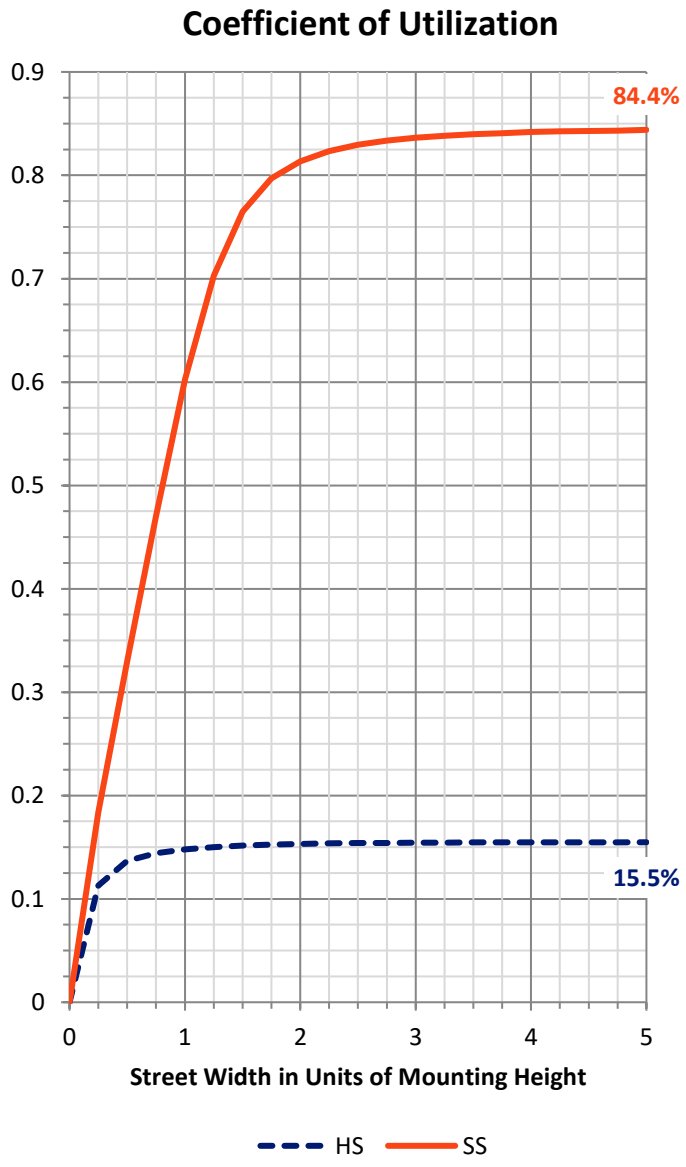
REPORT NUMBER: P1501735
CATALOG NUMBER: GSS-SB1C-722-U-T2LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	707.6	0.0	707.6
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3827.4	0.0	3827.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	4535.0	0.0	4535.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.6
10°-20°	177.3	3.9
20°-30°	330.9	7.3
30°-40°	656.2	14.5
40°-50°	1046.2	23.1
50°-60°	1250.0	27.6
60°-70°	819.4	18.1
70°-80°	171.7	3.8
80°-90°	13.0	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°	4535.0	100.0
0°-180°	4535.0	100.0



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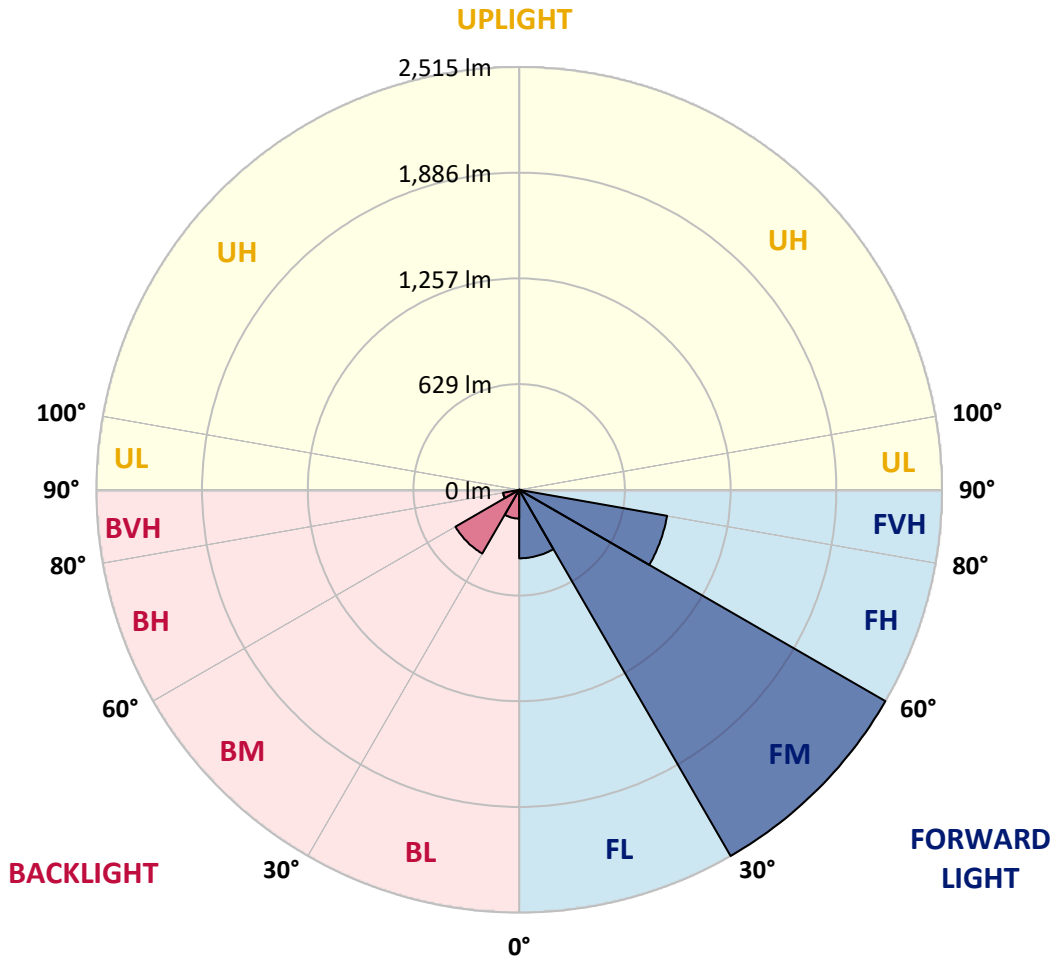
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	407.3	9.0			
FM	(30°-60°)	2514.8	55.5			
FH	(60°-80°)	893.4	19.7			G1/1800
FVH	(80°-90°)	11.9	0.3			G1/100
BL	(0°-30°)	171.2	3.8	B1/500		
BM	(30°-60°)	437.6	9.6	B1/1000		
BH	(60°-80°)	97.7	2.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3
2.5°	816.6	814.1	810.3	811.5	810.3	805.2	797.6	791.2	796.3	788.7	783.6
5°	840.8	840.8	838.2	838.2	839.5	836.9	831.9	823.0	824.2	817.9	801.4
7.5°	840.8	836.9	843.3	849.6	861.1	867.4	870.0	864.9	867.4	854.7	833.1
10°	791.2	788.7	805.2	829.3	862.3	891.6	910.6	911.9	915.7	903.0	877.6
12.5°	685.8	680.7	713.8	759.5	826.8	894.1	947.4	967.8	976.6	971.6	936.0
15°	588.0	594.4	617.2	666.8	756.9	859.8	967.8	1035.1	1047.8	1054.1	1012.2
17.5°	577.9	579.1	586.8	610.9	679.5	803.9	970.3	1104.9	1122.7	1150.6	1093.5
20°	605.8	603.3	610.9	618.5	651.5	754.4	946.2	1172.2	1206.5	1266.2	1204.0
22.5°	657.9	657.9	661.7	666.8	683.3	750.6	936.0	1234.5	1292.9	1414.8	1342.4
25°	745.5	735.3	737.9	731.5	745.5	796.3	958.9	1284.0	1364.0	1579.9	1507.5
27.5°	881.4	885.2	862.3	828.1	835.7	878.9	1014.7	1339.9	1437.7	1751.4	1675.2
30°	1069.4	1063.0	1049.0	981.7	951.2	989.3	1117.6	1431.3	1536.7	1968.5	1898.7
32.5°	1216.7	1234.5	1210.3	1163.3	1116.4	1127.8	1262.4	1578.6	1657.4	2167.9	2129.8
35°	1394.5	1394.5	1399.6	1333.5	1301.8	1299.2	1444.0	1738.7	1817.4	2348.3	2374.9
37.5°	1634.5	1618.0	1590.1	1516.4	1492.3	1524.0	1614.2	1903.8	1988.9	2494.3	2565.4
40°	1836.5	1847.9	1844.1	1737.4	1690.4	1724.7	1804.7	2044.7	2110.8	2588.3	2719.1
42.5°	2034.6	2040.9	2024.4	1973.6	1905.0	1907.6	1973.6	2151.4	2218.7	2678.5	2863.9
45°	2183.2	2181.9	2170.5	2157.8	2117.1	2075.2	2086.6	2269.5	2328.0	2707.7	2942.6
47.5°	2230.2	2240.3	2250.5	2286.0	2314.0	2247.9	2189.5	2333.0	2386.4	2702.6	2971.9
50°	2187.0	2208.6	2258.1	2311.4	2406.7	2401.6	2275.9	2401.6	2453.7	2730.5	3006.1
52.5°	2090.5	2112.0	2178.1	2274.6	2418.1	2489.2	2435.9	2517.2	2578.1	2801.7	3077.3
55°	1865.7	1874.6	2010.4	2137.4	2361.0	2451.1	2607.4	2712.8	2763.6	2888.0	3171.2
57.5°	1518.9	1540.5	1673.9	1880.9	2201.0	2350.8	2705.1	3046.8	3045.5	2970.6	3191.6
60°	*999.5*	*1063.0*	*1280.2*	*1508.8*	*1891.1*	*2154.0*	*2698.8*	*3438.0*	*3477.3*	*2889.3*	*2946.5*
62.5°	763.3	790.0	913.1	1103.7	1399.6	1785.7	2656.9	3554.8	3585.3	2670.9	2579.4
65°	574.1	607.1	725.2	895.4	988.1	1210.3	2382.6	3090.0	3131.9	2383.8	2005.4
67.5°	351.8	378.5	535.9	735.3	748.0	751.9	1607.8	2340.7	2355.9	1922.8	1350.0
70°	235.0	261.6	370.8	565.2	595.6	433.1	882.7	1771.7	1770.4	1315.7	820.4
72.5°	135.9	148.6	235.0	416.6	468.6	275.6	440.7	1126.5	1077.0	618.5	383.5
75°	77.5	86.4	129.5	268.0	328.9	175.3	174.0	603.3	533.4	318.8	209.6
77.5°	47.0	50.8	71.1	175.3	198.1	118.1	96.5	280.7	270.5	186.7	110.5
80°	22.9	26.7	43.2	102.9	127.0	63.5	58.4	110.5	118.1	102.9	58.4
82.5°	7.6	10.2	24.1	39.4	82.6	25.4	24.1	61.0	64.8	61.0	27.9
85°	3.8	5.1	11.4	12.7	31.8	12.7	8.9	26.7	33.0	20.3	11.4
87.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5	2.5
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°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3
2.5°	779.8	777.3	772.2	763.3	762.0	755.7	745.5	739.2	734.1	737.9	739.2
5°	793.8	787.4	772.2	748.0	722.6	697.2	673.1	645.2	626.1	623.6	618.5
7.5°	819.2	806.5	773.4	726.5	661.7	600.7	529.6	461.0	426.7	421.6	410.2
10°	859.8	838.2	783.6	688.4	563.9	436.9	328.9	255.3	213.4	205.7	208.3
12.5°	908.1	877.6	784.9	623.6	429.3	270.5	186.7	158.8	149.9	146.1	146.1
15°	970.3	925.8	783.6	539.8	289.6	174.0	149.9	138.4	134.6	132.1	132.1
17.5°	1049.0	990.6	774.7	414.0	195.6	151.1	137.2	128.3	123.2	121.9	121.9
20°	1141.8	1063.0	754.4	308.6	163.8	141.0	129.5	118.1	114.3	111.8	111.8
22.5°	1259.9	1150.6	715.0	240.0	154.9	134.6	121.9	109.2	105.4	102.9	102.9
25°	1397.0	1262.4	663.0	215.9	153.7	129.5	114.3	101.6	97.8	96.5	95.3
27.5°	1559.6	1381.8	614.7	217.2	156.2	125.7	106.7	95.3	91.4	87.6	88.9
30°	1751.4	1505.0	575.3	232.4	158.8	121.9	101.6	91.4	87.6	82.6	82.6
32.5°	1940.6	1649.8	571.5	260.4	167.6	119.4	96.5	86.4	82.6	78.7	78.7
35°	2134.9	1781.8	593.1	297.2	185.4	115.6	90.2	81.3	77.5	74.9	73.7
37.5°	2320.3	1887.3	613.4	320.0	175.3	99.1	82.6	74.9	71.1	66.0	66.0
40°	2443.5	1944.4	617.2	302.3	144.8	88.9	74.9	67.3	62.2	59.7	58.4
42.5°	2533.7	1981.2	574.1	245.1	125.7	81.3	68.6	61.0	57.2	54.6	54.6
45°	2570.5	1968.5	500.4	186.7	115.6	74.9	62.2	55.9	53.3	50.8	50.8
47.5°	2565.4	1910.1	425.5	149.9	105.4	68.6	58.4	53.3	50.8	48.3	47.0
50°	2556.6	1855.5	349.3	133.4	94.0	64.8	54.6	50.8	47.0	44.5	43.2
52.5°	2615.0	1837.7	289.6	121.9	87.6	62.2	53.3	48.3	44.5	41.9	41.9
55°	2673.4	1845.3	227.3	114.3	81.3	61.0	52.1	47.0	43.2	39.4	39.4
57.5°	2669.6	1812.3	172.7	106.7	76.2	59.7	50.8	45.7	39.4	36.8	36.8
60°	*2427.0*	*1616.7*	*134.6*	*97.8*	*69.9*	*55.9*	*47.0*	*43.2*	*36.8*	*33.0*	*33.0*
62.5°	2052.4	1271.3	110.5	86.4	62.2	50.8	43.2	39.4	33.0	26.7	26.7
65°	1516.4	917.0	88.9	74.9	57.2	44.5	39.4	34.3	26.7	21.6	20.3
67.5°	1026.2	563.9	71.1	62.2	50.8	38.1	33.0	29.2	24.1	17.8	16.5
70°	608.3	299.7	52.1	43.2	38.1	27.9	27.9	25.4	20.3	15.2	14.0
72.5°	289.6	104.1	38.1	31.8	29.2	20.3	21.6	21.6	16.5	11.4	10.2
75°	147.3	50.8	25.4	22.9	19.1	15.2	17.8	16.5	11.4	7.6	7.6
77.5°	83.8	35.6	17.8	15.2	12.7	10.2	11.4	10.2	6.4	3.8	3.8
80°	47.0	25.4	11.4	10.2	7.6	6.4	6.4	5.1	3.8	1.3	1.3
82.5°	17.8	15.2	7.6	5.1	3.8	3.8	2.5	2.5	1.3	0.0	0.0
85°	7.6	3.8	3.8	2.5	2.5	1.3	1.3	1.3	0.0	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	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°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3
2.5°	729.0	731.5	734.1	744.2	746.8	754.4	760.7	768.4	769.6	779.8	779.8
5°	628.7	627.4	649.0	680.7	701.1	729.0	750.6	773.4	786.1	802.7	810.3
7.5°	416.6	448.3	496.6	552.5	624.9	692.2	743.0	787.4	817.9	836.9	844.6
10°	207.0	224.8	275.6	367.0	490.2	627.4	735.3	817.9	867.4	889.0	903.0
12.5°	146.1	149.9	158.8	208.3	326.4	520.7	711.2	850.9	919.5	960.1	977.9
15°	130.8	133.4	137.2	151.1	201.9	388.6	668.0	887.7	1000.8	1047.8	1070.6
17.5°	120.7	121.9	125.7	137.2	158.8	264.2	598.2	927.1	1098.6	1155.7	1198.9
20°	111.8	111.8	115.6	129.5	147.3	203.2	497.8	971.6	1223.0	1305.6	1348.8
22.5°	101.6	104.1	106.7	121.9	143.5	185.4	403.9	1005.9	1361.5	1461.8	1512.6
25°	94.0	96.5	99.1	114.3	139.7	185.4	349.3	1027.4	1516.4	1635.8	1705.6
27.5°	87.6	90.2	94.0	109.2	135.9	193.0	327.7	1033.8	1685.3	1840.3	1934.2
30°	82.6	85.1	88.9	105.4	138.4	201.9	335.3	1024.9	1856.8	2051.1	2162.8
32.5°	77.5	80.0	83.8	101.6	138.4	213.4	360.7	1007.1	2023.1	2261.9	2399.1
35°	73.7	74.9	76.2	91.4	125.7	212.1	392.4	989.3	2190.8	2470.2	2630.2
37.5°	66.0	67.3	69.9	78.7	100.3	193.0	398.8	967.8	2322.9	2645.5	2822.0
40°	58.4	61.0	63.5	72.4	83.8	156.2	370.8	922.0	2392.7	2780.1	2994.7
42.5°	53.3	54.6	57.2	66.0	77.5	124.5	311.2	842.0	2455.0	2871.5	3120.4
45°	49.5	50.8	53.3	59.7	72.4	108.0	245.1	744.2	2460.0	2900.7	3181.4
47.5°	45.7	47.0	48.3	54.6	69.9	96.5	188.0	655.3	2458.8	2938.8	3233.5
50°	43.2	44.5	47.0	52.1	66.0	86.4	154.9	582.9	2512.1	3021.4	3338.9
52.5°	41.9	41.9	45.7	50.8	62.2	78.7	129.5	518.2	2540.0	3102.7	3415.1
55°	39.4	40.6	43.2	48.3	58.4	74.9	110.5	436.9	2552.7	3143.3	3429.1
57.5°	36.8	38.1	41.9	45.7	55.9	71.1	95.3	326.4	2371.1	2931.2	3195.4
60°	*33.0*	*35.6*	*40.6*	*44.5*	*52.1*	*64.8*	*83.8*	*221.0*	*2000.3*	*2547.7*	*2768.7*
62.5°	26.7	31.8	36.8	39.4	47.0	54.6	71.1	147.3	1597.7	2108.2	2359.7
65°	20.3	26.7	30.5	34.3	39.4	45.7	59.7	100.3	1065.5	1418.6	1701.8
67.5°	17.8	22.9	25.4	27.9	33.0	39.4	48.3	69.9	646.4	852.2	1131.6
70°	14.0	19.1	21.6	20.3	25.4	30.5	34.3	47.0	330.2	462.3	643.9
72.5°	10.2	15.2	16.5	16.5	15.2	21.6	25.4	33.0	143.5	224.8	292.1
75°	7.6	10.2	11.4	10.2	8.9	14.0	17.8	21.6	94.0	134.6	170.2
77.5°	3.8	3.8	6.4	6.4	3.8	7.6	8.9	12.7	53.3	78.7	97.8
80°	1.3	0.0	0.0	1.3	0.0	2.5	3.8	6.4	27.9	41.9	61.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	14.0	12.7	31.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	7.6
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: P1501735
CATALOG NUMBER: GSS-SB1C-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	777.3	*777.3*	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3
2.5°	786.1	*786.1*	791.2	798.8	802.7	805.2	806.5	809.0	819.2	816.6
5°	819.2	*821.7*	825.5	833.1	842.0	839.5	839.5	839.5	845.8	840.8
7.5°	862.3	*870.0*	871.2	880.1	873.8	861.1	853.5	842.0	840.8	840.8
10°	932.2	*929.7*	929.7	918.2	895.4	858.5	825.5	802.7	790.0	791.2
12.5°	1007.1	*997.0*	998.2	956.3	891.6	810.3	743.0	693.4	689.6	685.8
15°	1099.8	*1073.2*	1068.1	971.6	834.4	709.9	643.9	604.5	591.8	588.0
17.5°	1231.9	*1164.6*	1140.5	944.9	759.5	647.7	598.2	580.4	579.1	577.9
20°	1371.6	*1238.3*	1192.6	905.5	734.1	649.0	612.2	607.1	604.5	605.8
22.5°	1534.2	*1285.3*	1226.8	911.9	756.9	690.9	661.7	657.9	655.3	657.9
25°	1701.8	*1339.9*	1267.5	962.7	825.5	768.4	734.1	726.5	734.1	745.5
27.5°	1870.7	*1413.5*	1347.5	1063.0	936.0	873.8	840.8	868.7	880.1	881.4
30°	2020.6	*1516.4*	1455.4	1204.0	1061.7	999.5	1005.9	1041.4	1055.4	1069.4
32.5°	2157.8	*1653.6*	1606.6	1364.0	1224.3	1187.5	1183.7	1210.3	1225.6	1216.7
35°	2296.2	*1832.6*	1786.9	1538.0	1423.7	1393.2	1361.5	1413.5	1408.5	1394.5
37.5°	2427.0	*2013.0*	1971.1	1724.7	1606.6	1553.2	1548.2	1595.1	1637.1	1634.5
40°	2521.0	*2159.0*	2108.2	1910.1	1798.4	1752.6	1779.3	1860.6	1850.4	1836.5
42.5°	2607.4	*2283.5*	2237.8	2072.7	1955.8	1976.2	2000.3	2054.9	2048.5	2034.6
45°	2648.0	*2390.2*	2350.8	2195.9	2138.7	2203.5	2202.2	2222.5	2188.3	2183.2
47.5°	2705.1	*2466.4*	2425.7	2306.4	2357.2	2383.8	2308.9	2287.3	2255.6	2230.2
50°	2810.6	*2584.5*	2543.9	2474.0	2517.2	2434.6	2343.2	2296.2	2231.4	2187.0
52.5°	2933.8	*2763.6*	2728.0	2700.1	2579.4	2409.2	2292.4	2207.3	2128.6	2090.5
55°	3088.7	*3027.7*	3002.3	2848.7	2523.5	2305.1	2167.9	2009.2	1901.2	1865.7
57.5°	3139.5	*3415.1*	3406.2	2872.8	2367.3	2115.9	1868.2	1653.6	1541.8	1518.9
60°	*2989.6*	*3718.6*	*3686.9*	*2832.2*	*2084.1*	*1717.1*	*1427.5*	*1207.8*	*1026.2*	*999.5*
62.5°	2797.9	*3486.2*	3474.8	2627.7	1587.5	1230.7	1066.8	861.1	783.6	763.3
65°	2396.5	*2852.5*	2857.6	2108.2	1004.6	883.9	876.3	684.5	589.3	574.1
67.5°	1845.3	*2188.3*	2152.7	1325.9	585.5	707.4	699.8	500.4	362.0	351.8
70°	1078.2	*1629.4*	1572.3	689.6	387.4	590.6	538.5	351.8	246.4	235.0
72.5°	476.3	*896.6*	962.7	303.5	273.1	469.9	388.6	215.9	138.4	135.9
75°	264.2	*444.5*	464.8	132.1	191.8	334.0	235.0	120.7	78.7	77.5
77.5°	158.8	*196.9*	191.8	85.1	143.5	213.4	142.2	68.6	49.5	47.0
80°	88.9	*90.2*	76.2	62.2	85.1	119.4	80.0	43.2	22.9	22.9
82.5°	54.6	*49.5*	39.4	19.1	22.9	72.4	29.2	24.1	7.6	7.6
85°	22.9	*15.2*	10.2	3.8	8.9	19.1	10.2	11.4	3.8	3.8
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: SP1-2407-184-2

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

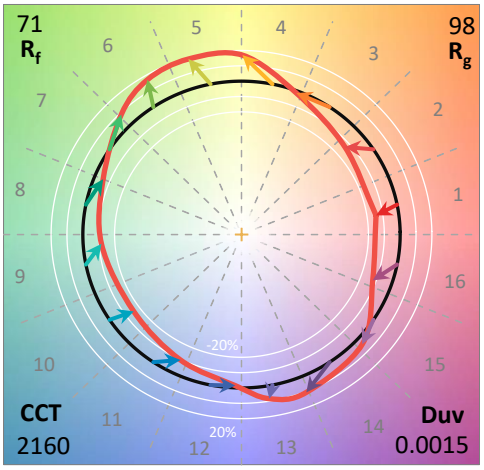
Test Information

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

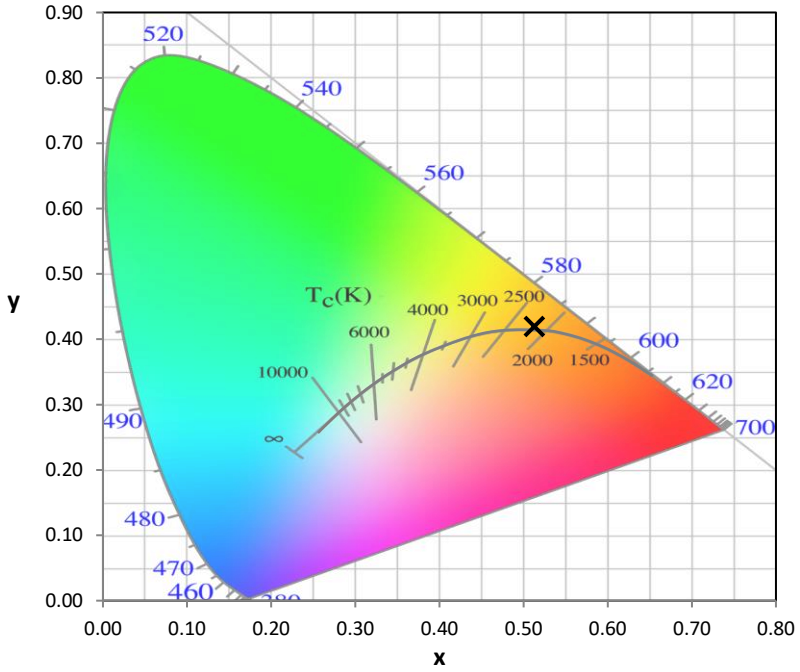
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

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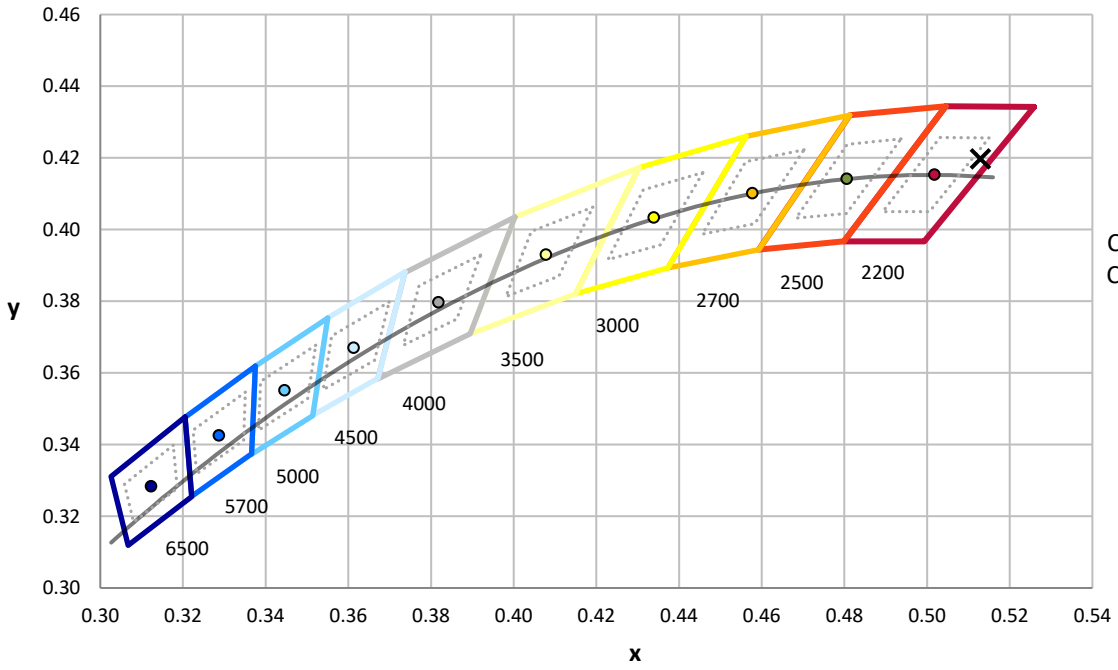
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

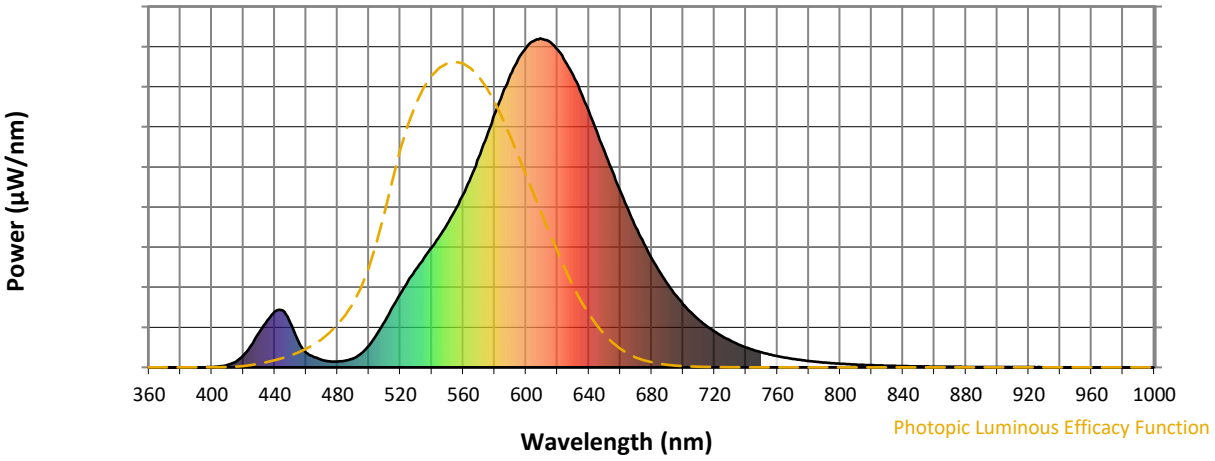


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

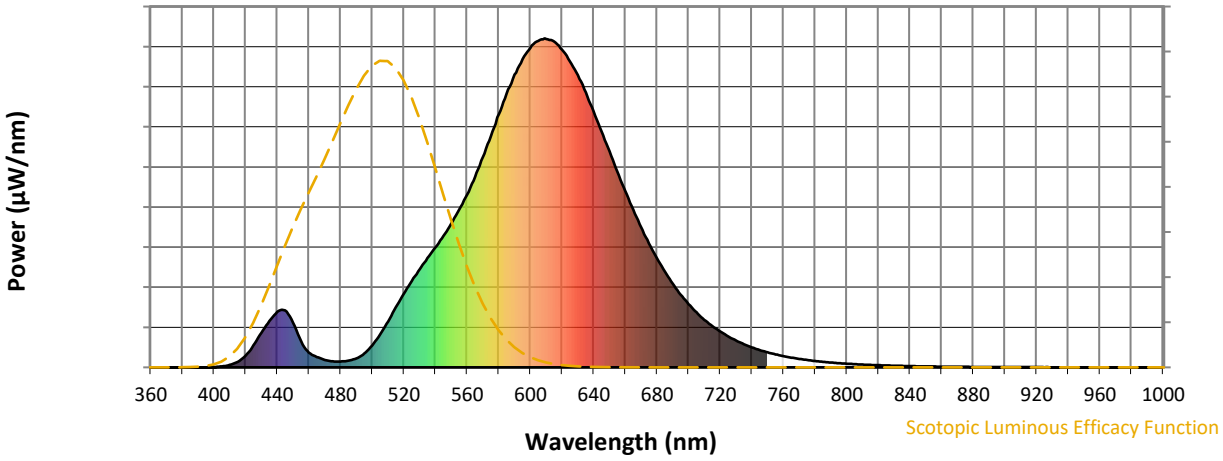


Photopic Lumens: NR

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

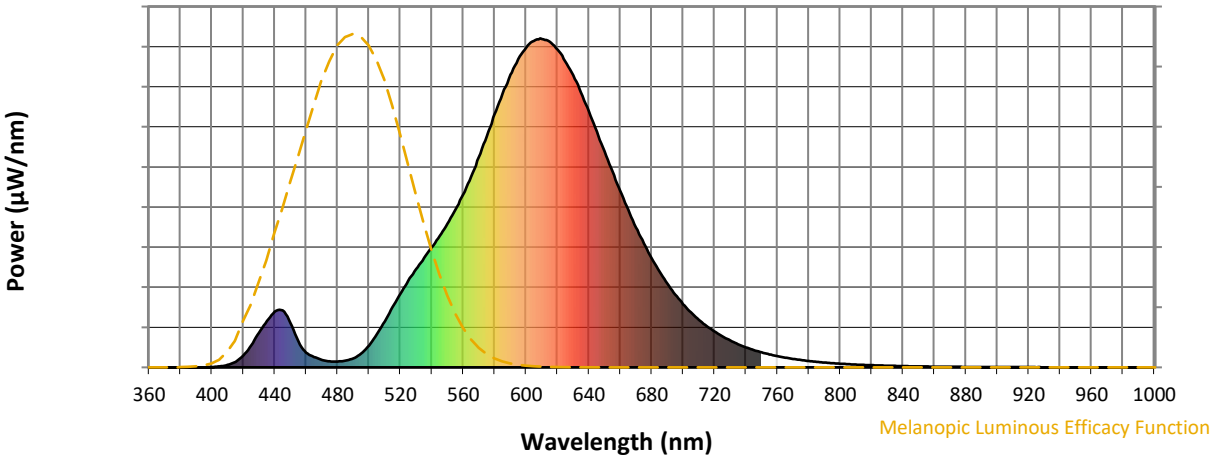


Scotopic Lumens: NR **S/P: 0.8**

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			

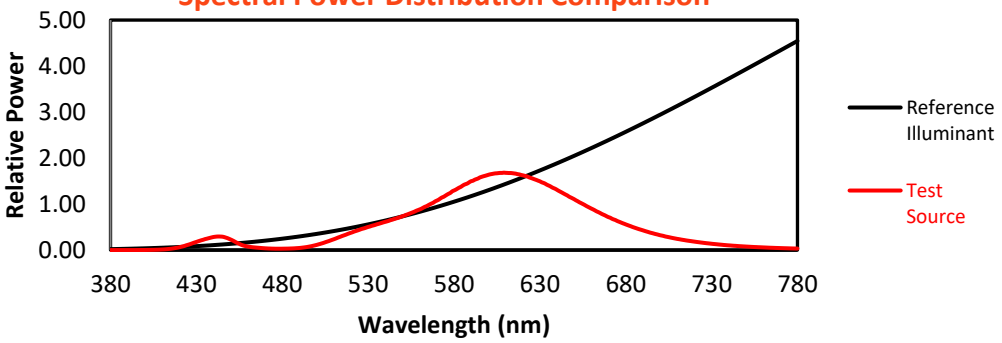
REPORT NUMBER: SP1-2407-184-2

TM-30-18

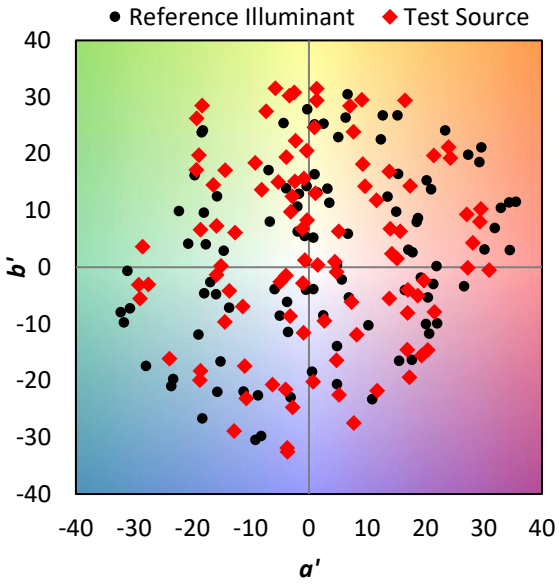
Summary

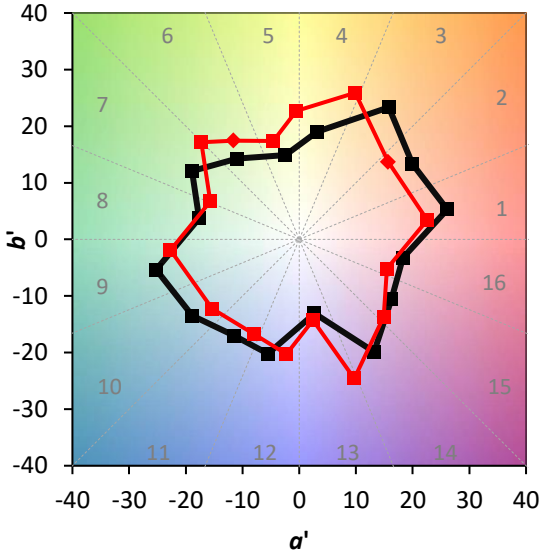
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

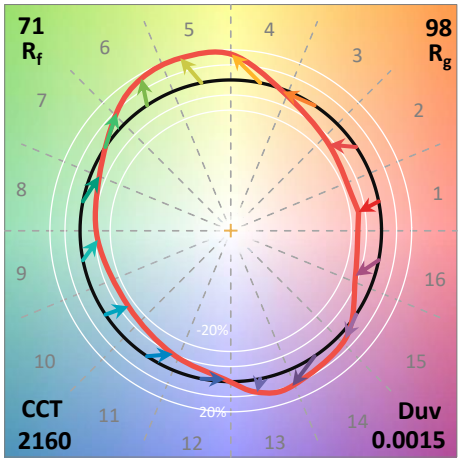
Spectral Power Distribution Comparison

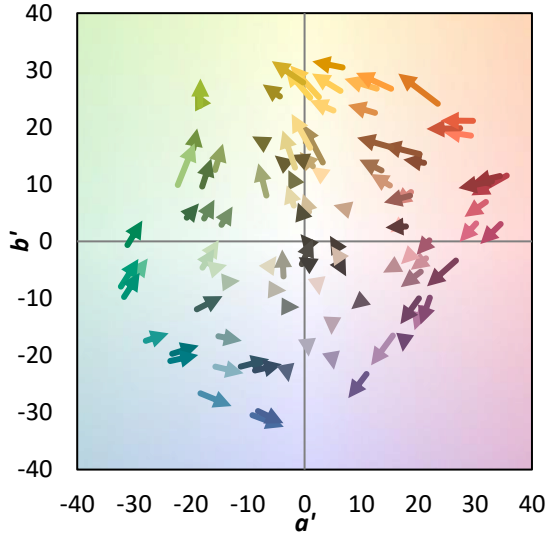


Color Vector Graphics







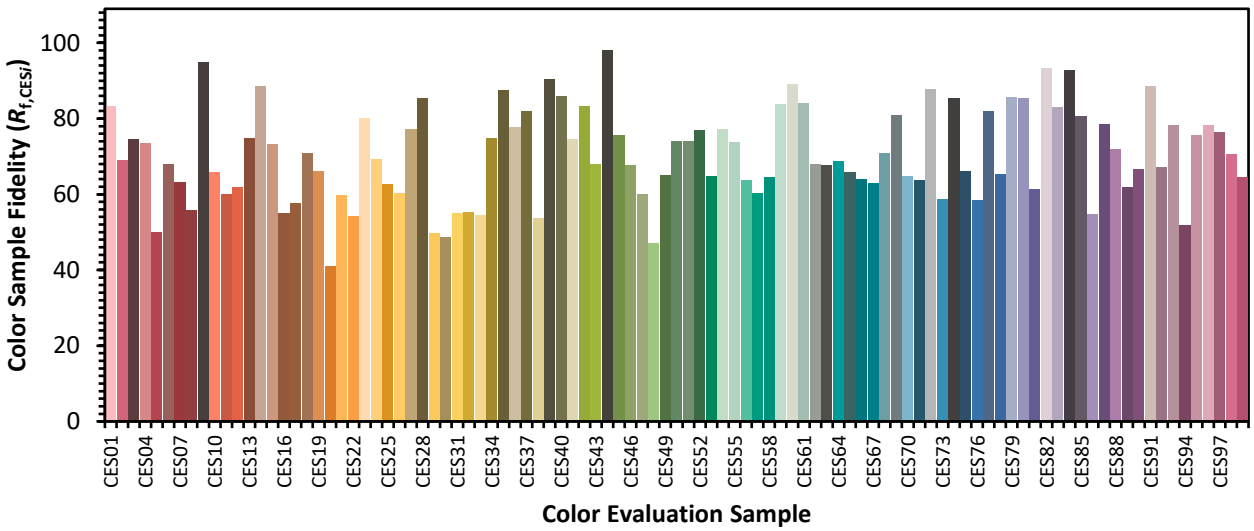


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

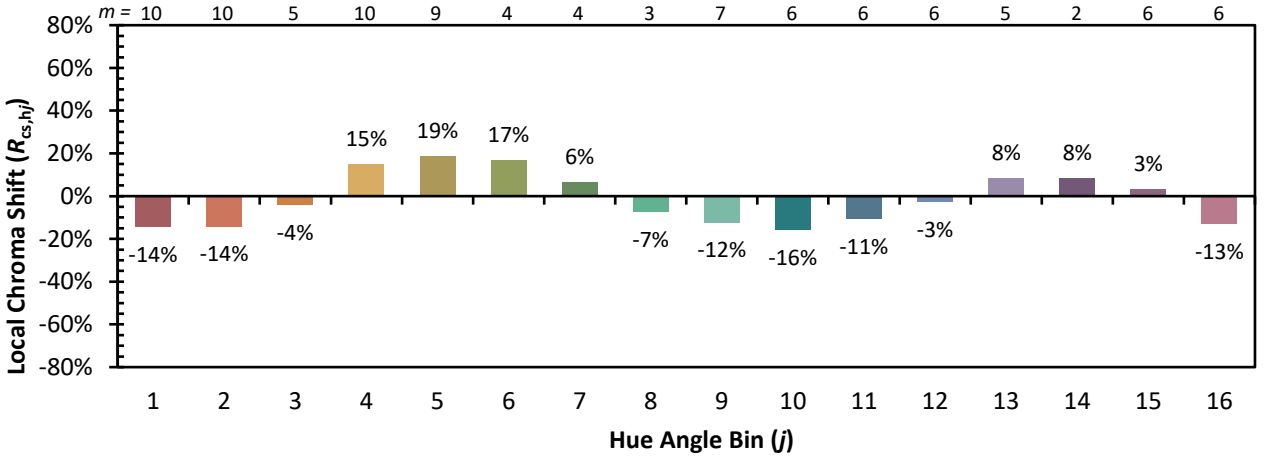
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 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	

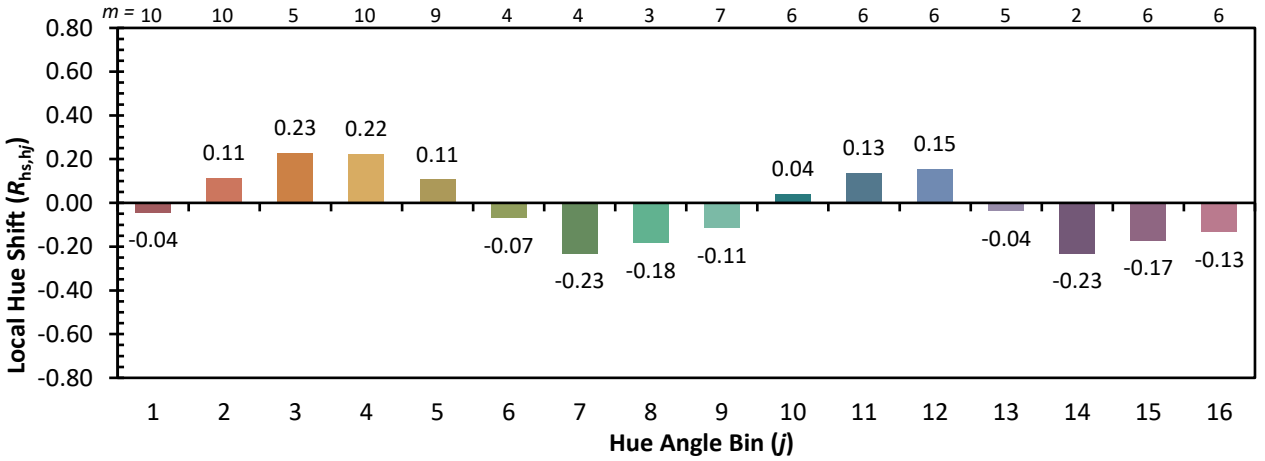


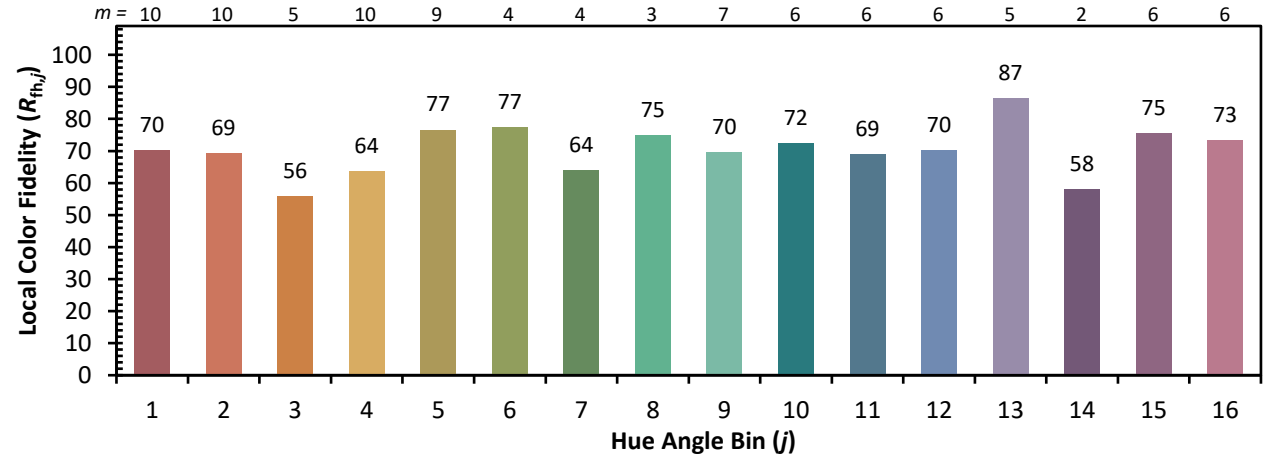
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Color Rendition by Hue-Angle Bin



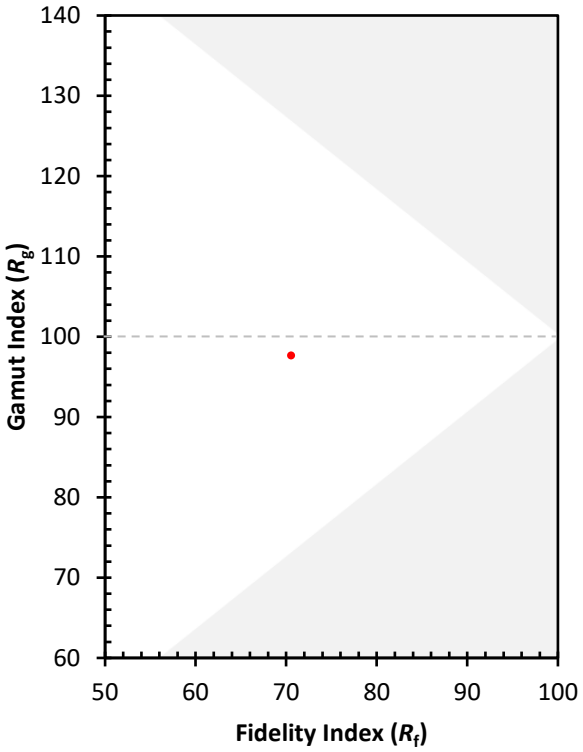


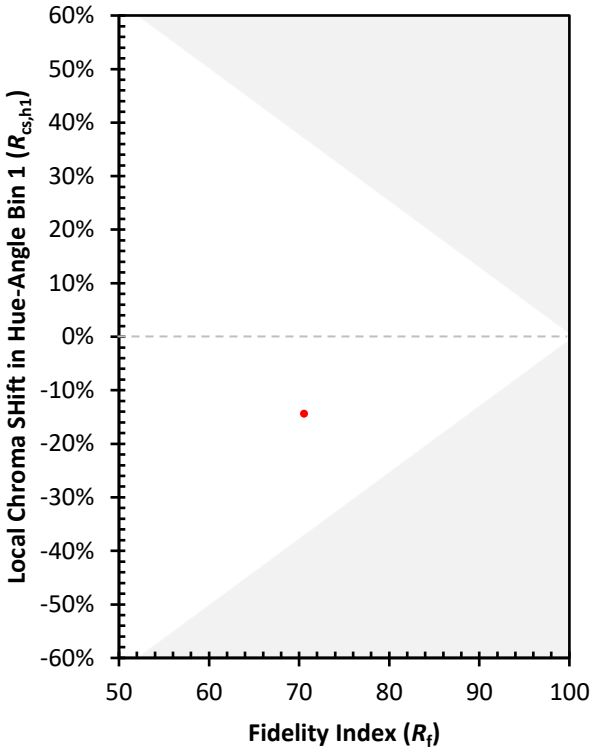


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Measure Comparisons





(END OF REPORT)