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: P1501527

Luminaire Tested: GSS-SB3C-830-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501527
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18629.5 lumens
Efficiency:	N/A
Efficacy:	124.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

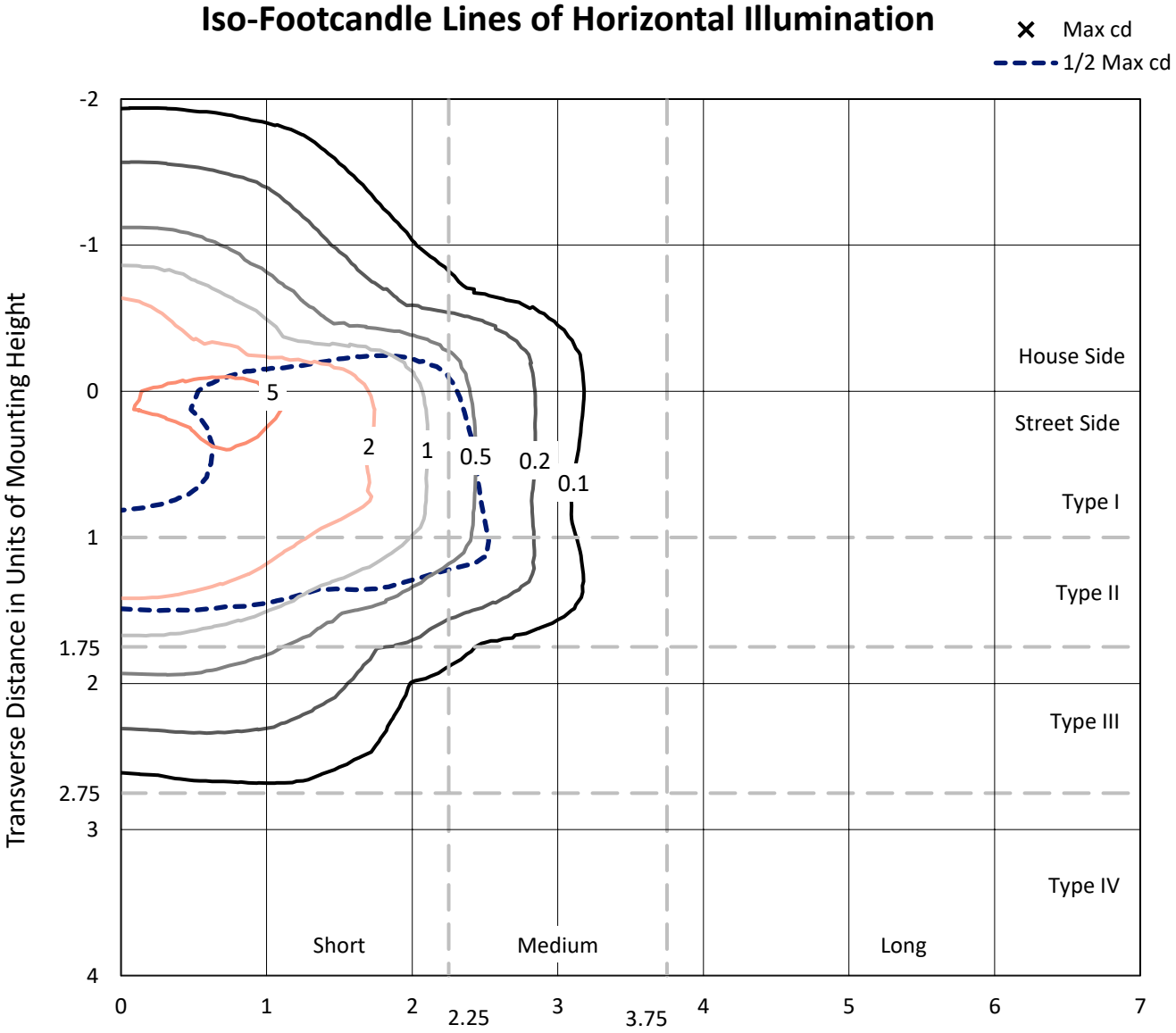
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



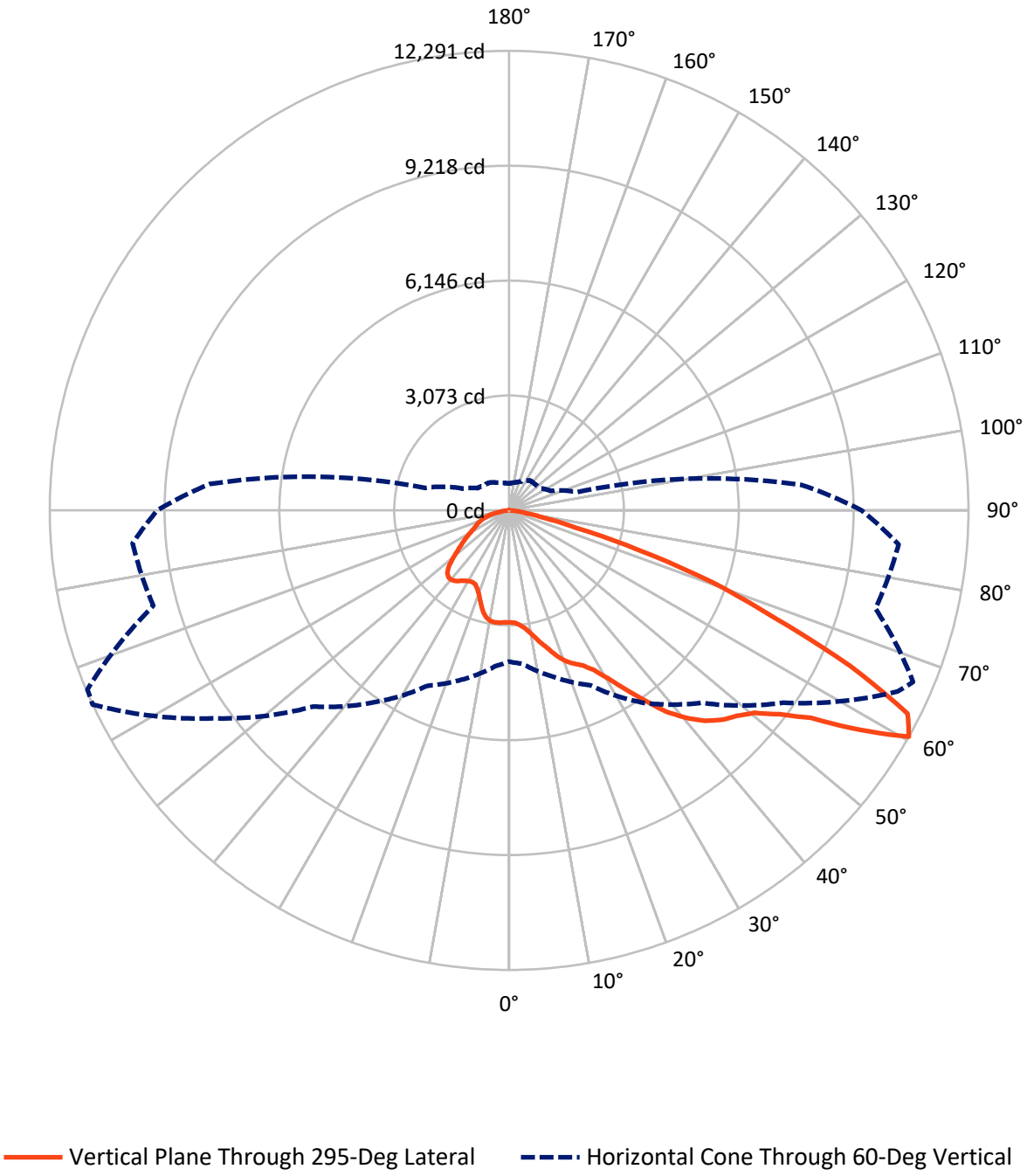
Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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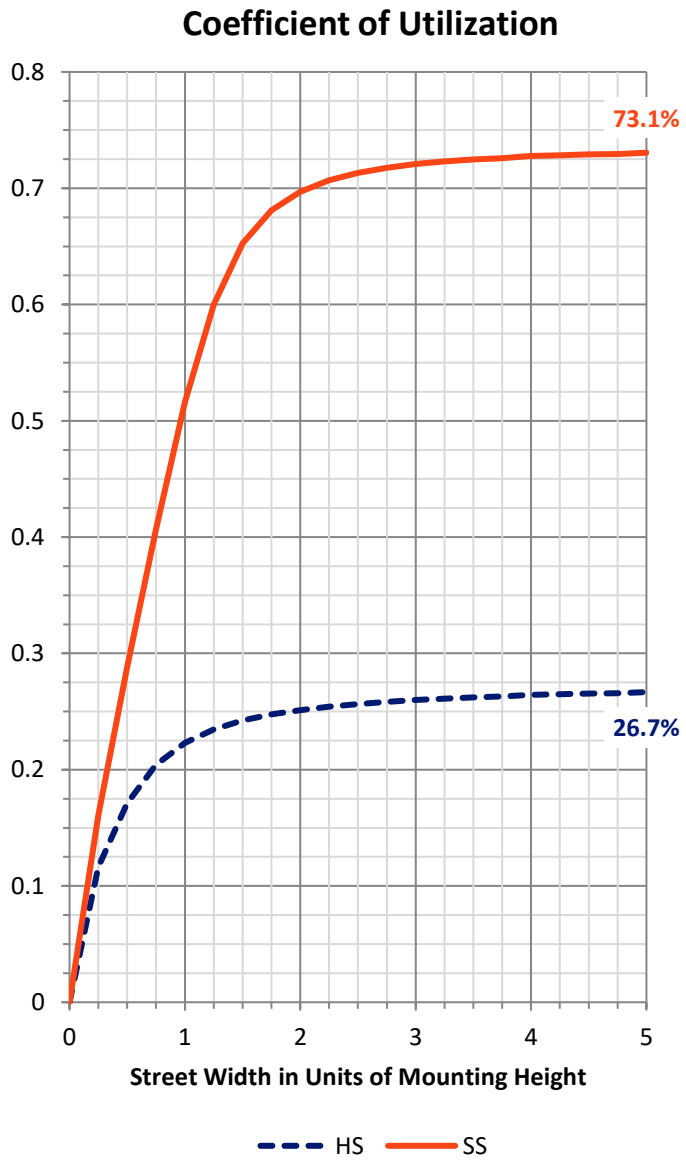
REPORT NUMBER: P1501527
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5009.7	0.0	5009.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	13619.8	0.0	13619.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	18629.5	0.0	18629.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.8	1.5
10°-20°	810.2	4.3
20°-30°	1534.6	8.2
30°-40°	2705.4	14.5
40°-50°	4001.0	21.5
50°-60°	4698.2	25.2
60°-70°	3404.1	18.3
70°-80°	1049.8	5.6
80°-90°	144.5	0.8
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°	18629.5	100.0
0°-180°	18629.5	100.0



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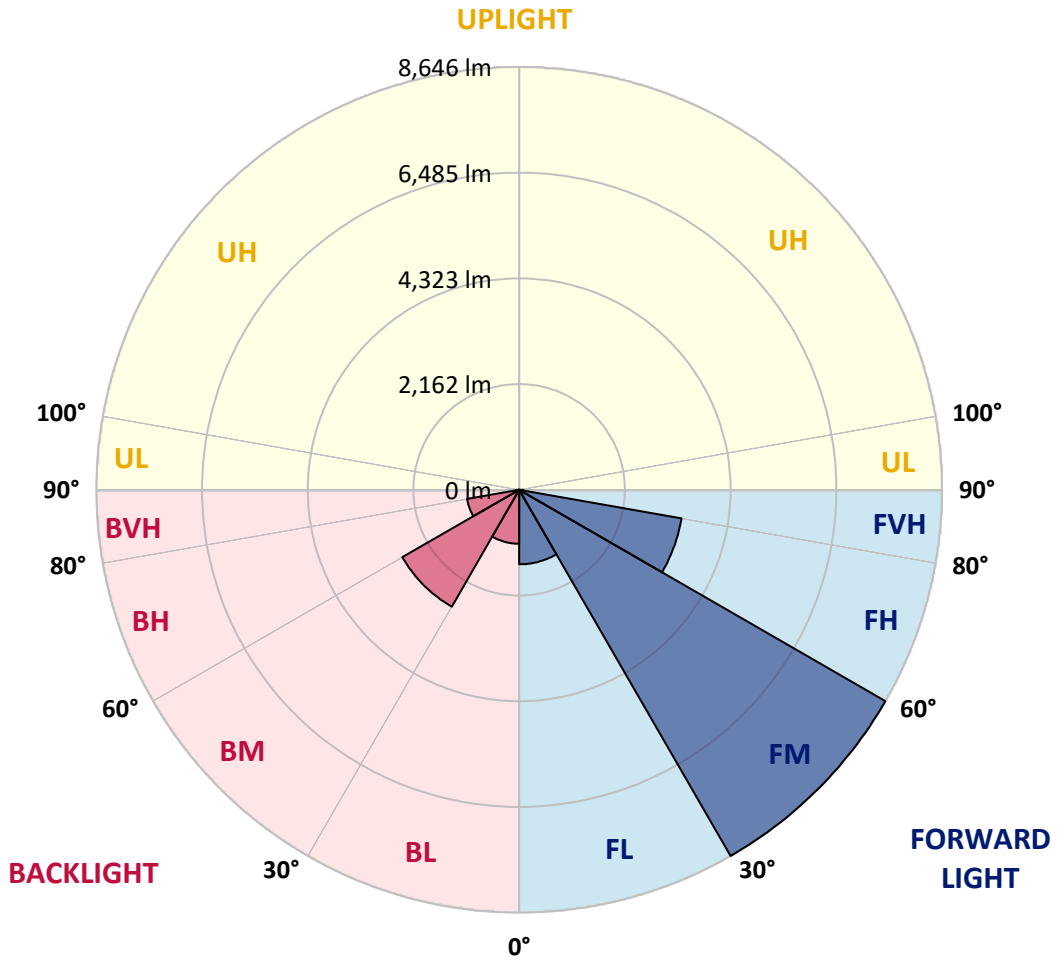
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1523.3	8.2			
FM	(30°-60°)	8646.1	46.4			
FH	(60°-80°)	3372.5	18.1			G2/5000
FVH	(80°-90°)	78.0	0.4			G1/100
BL	(0°-30°)	1103.3	5.9	B3/2500		
BM	(30°-60°)	2758.5	14.8	B3/5000		
BH	(60°-80°)	1081.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	66.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4
2.5°	3056.8	3065.3	3052.6	3061.1	3061.1	3048.4	3044.1	3027.1	3035.6	3031.4	3027.1
5°	3129.0	3133.3	3124.8	3137.5	3137.5	3141.8	3137.5	3116.3	3116.3	3116.3	3107.8
7.5°	3107.8	3107.8	3112.0	3154.5	3196.9	3252.1	3252.1	3243.6	3252.1	3247.9	3209.7
10°	2929.5	2946.5	2984.7	3090.8	3192.7	3311.6	3392.2	3417.7	3417.7	3422.0	3358.3
12.5°	2611.1	2623.8	2712.9	2874.3	3086.6	3303.1	3498.4	3625.8	3638.5	3659.7	3574.8
15°	2326.6	2335.1	2398.8	2564.4	2806.4	3188.5	3557.8	3821.1	3863.5	3952.7	3825.3
17.5°	2352.1	2347.8	2364.8	2428.5	2602.6	3001.6	3545.1	4050.3	4126.7	4283.8	4173.4
20°	2504.9	2504.9	2517.6	2530.4	2594.1	2865.8	3451.7	4237.1	4385.7	4691.4	4564.0
22.5°	2746.9	2746.9	2742.7	2763.9	2763.9	2925.2	3455.9	4377.2	4598.0	5145.7	5022.6
25°	3082.3	3065.3	3065.3	3073.8	3035.6	3150.2	3562.1	4521.6	4810.3	5684.9	5578.7
27.5°	3460.2	3472.9	3464.4	3434.7	3383.8	3472.9	3816.8	4746.6	5048.0	6253.8	6211.3
30°	3872.0	3876.2	3884.7	3867.8	3825.3	3889.0	4215.9	5086.2	5362.2	6848.2	6941.6
32.5°	4275.3	4334.8	4313.5	4271.1	4288.1	4402.7	4708.4	5544.8	5829.2	7400.1	7731.3
35°	4789.1	4810.3	4895.2	4738.1	4742.4	4937.6	5336.7	6147.6	6423.6	7973.3	8520.9
37.5°	5536.3	5574.5	5536.3	5290.0	5251.8	5523.5	5948.1	6742.0	6941.6	8406.3	9255.4
40°	6270.8	6317.5	6381.2	6092.5	5850.5	6075.5	6525.5	7196.3	7404.3	8644.1	9743.7
42.5°	6877.9	6954.3	6886.4	6801.5	6580.7	6623.2	6928.8	7548.7	7756.7	8945.5	10236.2
45°	7391.6	7404.3	7434.1	7374.6	7264.2	7226.0	7272.7	7858.6	8087.9	9081.4	10478.2
47.5°	7603.9	7659.1	7684.6	7786.5	7901.1	7824.7	7565.7	8003.0	8211.0	9072.9	10554.6
50°	7489.3	7544.5	7680.3	7922.3	8198.3	8334.1	7909.6	8202.5	8436.0	9225.7	10711.7
52.5°	7187.8	7247.3	7468.0	7744.0	8206.8	8516.7	8393.6	8618.6	8843.6	9497.4	10974.9
55°	6457.6	6546.7	6856.7	7315.2	7952.0	8419.1	8903.1	9230.0	9476.2	9824.3	11246.6
57.5°	5396.2	5489.6	5837.7	6525.5	7480.8	8015.7	9051.6	10376.3	10486.7	10214.9	11272.1
60°	*4041.8*	*4118.2*	*4610.7*	*5162.7*	*6283.5*	*7277.0*	*8966.7*	*11463.2*	*11743.4*	*10147.0*	*10461.2*
62.5°	3201.2	3294.6	3731.9	3986.6	4789.1	6011.8	8669.5	11764.6	12006.6	9586.6	9331.9
65°	2500.7	2564.4	2971.9	3337.1	3532.4	4105.5	7429.8	10291.4	10507.9	8673.8	7701.5
67.5°	1651.5	1749.2	2233.2	2734.2	2836.1	2611.1	5111.7	7918.1	8020.0	6894.9	5791.0
70°	1184.5	1231.2	1592.1	2127.1	2279.9	1749.2	2785.1	5994.8	6024.5	4627.7	3901.7
72.5°	806.7	815.2	1082.6	1630.3	1817.1	1269.4	1532.7	3948.4	3846.5	2284.1	2233.2
75°	547.7	556.2	692.0	1086.9	1286.4	883.1	997.7	2152.5	2067.6	1260.9	1354.4
77.5°	369.4	377.9	475.5	730.2	857.6	611.4	730.2	1137.8	1116.6	836.4	726.0
80°	280.2	292.9	352.4	467.0	598.6	356.6	416.1	539.2	547.7	445.8	369.4
82.5°	157.1	174.1	212.3	237.8	386.4	199.5	199.5	322.7	309.9	276.0	199.5
85°	67.9	72.2	84.9	89.2	157.1	84.9	72.2	140.1	144.4	135.9	63.7
87.5°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	17.0	17.0	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4
2.5°	3005.9	3031.4	3005.9	2993.2	2993.2	2971.9	2963.4	2963.4	2933.7	2946.5	2938.0
5°	3073.8	3082.3	3052.6	3014.4	2963.4	2921.0	2861.5	2785.1	2738.4	2734.2	2738.4
7.5°	3180.0	3184.2	3103.5	3018.6	2891.3	2738.4	2555.9	2407.3	2275.6	2254.4	2279.9
10°	3328.6	3320.1	3201.2	3001.6	2734.2	2411.5	2131.3	1995.4	1919.0	1914.8	1910.5
12.5°	3528.1	3472.9	3290.4	2929.5	2462.5	2088.8	1944.5	1936.0	1957.2	1974.2	1978.5
15°	3757.4	3685.2	3362.5	2789.4	2186.5	1970.0	1978.5	2050.6	2076.1	2093.1	2093.1
17.5°	4041.8	3948.4	3443.2	2589.8	2046.4	1995.4	2054.9	2122.8	2165.3	2182.2	2178.0
20°	4419.7	4224.4	3506.9	2398.8	2008.2	2037.9	2088.8	2156.8	2199.2	2220.5	2220.5
22.5°	4797.5	4555.5	3519.6	2267.2	2008.2	2042.1	2088.8	2156.8	2203.5	2224.7	2220.5
25°	5311.3	4980.1	3523.9	2173.8	2012.4	2020.9	2063.4	2122.8	2190.7	2212.0	2220.5
27.5°	5858.9	5447.1	3545.1	2152.5	1995.4	1991.2	2020.9	2076.1	2144.0	2199.2	2203.5
30°	6538.2	5973.6	3553.6	2173.8	1999.7	1944.5	1965.7	2020.9	2093.1	2148.3	2165.3
32.5°	7204.8	6461.8	3536.6	2220.5	2008.2	1914.8	1919.0	1953.0	2029.4	2067.6	2097.3
35°	7909.6	6979.8	3506.9	2284.1	2012.4	1902.0	1863.8	1880.8	1931.8	1936.0	1948.7
37.5°	8461.5	7366.1	3417.7	2369.1	2020.9	1855.3	1778.9	1766.2	1744.9	1702.5	1711.0
40°	8915.8	7625.1	3269.1	2411.5	1999.7	1800.1	1672.8	1613.3	1532.7	1469.0	1481.7
42.5°	9242.7	7799.2	3090.8	2420.0	1965.7	1706.7	1549.6	1447.8	1358.6	1290.7	1294.9
45°	9387.1	7782.2	2899.8	2356.3	1885.1	1592.1	1435.0	1337.4	1239.7	1167.5	1159.1
47.5°	9391.3	7616.6	2636.5	2203.5	1749.2	1460.5	1328.9	1222.7	1142.1	1091.1	1086.9
50°	9425.3	7523.2	2390.3	1982.7	1570.9	1320.4	1235.5	1129.3	1082.6	1010.5	989.2
52.5°	9637.5	7676.1	2220.5	1740.7	1405.3	1218.5	1154.8	1061.4	985.0	938.3	934.0
55°	9981.4	7939.3	2127.1	1558.1	1248.2	1120.8	1078.4	997.7	929.8	883.1	870.4
57.5°	10023.9	8075.2	2016.7	1388.3	1120.8	1044.4	1027.4	938.3	840.6	806.7	793.9
60°	*9429.5*	*7845.9*	*1880.8*	*1231.2*	*1027.4*	*985.0*	*976.5*	*857.6*	*776.9*	*734.5*	*717.5*
62.5°	8618.6	7272.7	1672.8	1086.9	955.3	925.5	891.6	798.2	696.3	649.6	636.8
65°	7043.5	6113.7	1422.3	989.2	883.1	849.1	840.6	713.3	645.3	619.9	615.6
67.5°	5336.7	4912.2	1252.5	917.1	806.7	793.9	764.2	721.8	692.0	662.3	653.8
70°	3774.4	3545.1	1065.6	823.6	730.2	709.0	832.1	785.4	679.3	641.1	636.8
72.5°	2288.4	2224.7	921.3	738.7	628.4	662.3	768.5	709.0	611.4	564.7	547.7
75°	1443.5	1320.4	772.7	628.4	501.0	539.2	670.8	632.6	526.5	479.8	467.0
77.5°	785.4	730.2	581.6	513.7	394.8	437.3	585.9	522.2	420.3	458.5	407.6
80°	343.9	382.1	386.4	297.2	263.2	322.7	420.3	407.6	322.7	326.9	271.7
82.5°	165.6	216.5	250.5	203.8	148.6	191.1	280.2	233.5	216.5	203.8	195.3
85°	50.9	80.7	110.4	97.6	67.9	80.7	131.6	127.4	152.8	131.6	123.1
87.5°	17.0	17.0	12.7	12.7	12.7	17.0	21.2	12.7	4.2	4.2	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°	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4
2.5°	2933.7	2938.0	2938.0	2942.2	2942.2	2954.9	2971.9	2988.9	2976.2	2993.2	2997.4
5°	2729.9	2751.2	2768.1	2831.8	2882.8	2925.2	2971.9	3014.4	3027.1	3035.6	3056.8
7.5°	2250.2	2309.6	2420.0	2564.4	2725.7	2882.8	2988.9	3099.3	3116.3	3137.5	3167.2
10°	1914.8	1940.2	2016.7	2165.3	2454.0	2763.9	3022.9	3196.9	3269.1	3311.6	3341.3
12.5°	1970.0	1953.0	1940.2	1961.5	2148.3	2547.4	3001.6	3337.1	3472.9	3519.6	3557.8
15°	2101.6	2084.6	2037.9	1978.5	1999.7	2318.1	2929.5	3468.7	3685.2	3761.6	3842.3
17.5°	2178.0	2161.0	2122.8	2059.1	2003.9	2127.1	2793.6	3587.5	4020.6	4114.0	4228.6
20°	2220.5	2203.5	2165.3	2101.6	2037.9	2054.9	2619.5	3736.1	4402.7	4551.3	4721.1
22.5°	2228.9	2207.7	2165.3	2101.6	2063.4	2050.6	2454.0	3825.3	4814.5	5043.8	5239.1
25°	2224.7	2186.5	2131.3	2084.6	2063.4	2059.1	2339.3	3876.2	5260.3	5625.4	5846.2
27.5°	2195.0	2148.3	2093.1	2059.1	2050.6	2076.1	2288.4	3935.7	5782.5	6249.5	6601.9
30°	2161.0	2093.1	2025.2	2012.4	2033.6	2114.3	2330.8	3956.9	6330.2	6928.8	7289.7
32.5°	2071.9	2020.9	1953.0	1948.7	1999.7	2144.0	2428.5	3927.2	6814.2	7608.1	8062.4
35°	1944.5	1914.8	1876.6	1889.3	1970.0	2169.5	2496.4	3833.8	7255.8	8240.7	8771.4
37.5°	1719.5	1740.7	1761.9	1791.6	1893.5	2165.3	2526.1	3685.2	7620.9	8746.0	9425.3
40°	1469.0	1541.2	1609.1	1685.5	1821.4	2131.3	2534.6	3502.6	7833.2	9128.1	10006.9
42.5°	1311.9	1379.8	1464.7	1575.1	1723.7	2054.9	2526.1	3298.8	7901.1	9391.3	10376.3
45°	1167.5	1248.2	1354.4	1469.0	1638.8	1944.5	2449.7	3078.1	7935.1	9514.4	10533.4
47.5°	1091.1	1137.8	1235.5	1350.1	1528.4	1808.6	2301.1	2916.7	7884.1	9539.9	10724.4
50°	1002.0	1065.6	1129.3	1239.7	1413.8	1638.8	2122.8	2823.3	7969.0	9790.4	11025.9
52.5°	934.0	968.0	1035.9	1137.8	1265.2	1481.7	1953.0	2746.9	8202.5	10045.1	11340.0
55°	883.1	921.3	963.8	1048.7	1146.3	1324.6	1778.9	2632.3	8474.2	10316.8	11654.2
57.5°	802.4	827.9	887.3	976.5	1040.2	1171.8	1575.1	2496.4	8453.0	10104.6	11110.8
60°	*730.2*	*755.7*	*819.4*	*908.6*	*946.8*	*1035.9*	*1375.6*	*2322.4*	*8045.4*	*9412.5*	*10108.8*
62.5°	649.6	679.3	755.7	819.4	853.4	921.3	1167.5	2003.9	7196.3	8372.3	8937.0
65°	615.6	632.6	683.5	760.0	755.7	819.4	985.0	1575.1	5791.0	6398.1	6911.9
67.5°	653.8	679.3	670.8	692.0	679.3	713.3	883.1	1265.2	4551.3	4818.8	5116.0
70°	645.3	704.8	734.5	692.0	594.4	632.6	764.2	1010.5	3256.4	3230.9	3218.2
72.5°	564.7	624.1	709.0	751.5	581.6	526.5	662.3	874.6	2088.8	2080.4	1880.8
75°	479.8	522.2	624.1	679.3	501.0	424.6	568.9	743.0	1248.2	1265.2	1129.3
77.5°	441.5	420.3	522.2	598.6	407.6	326.9	458.5	560.4	687.8	696.3	645.3
80°	318.4	305.7	390.6	437.3	309.9	233.5	259.0	348.1	369.4	331.2	343.9
82.5°	203.8	208.0	233.5	280.2	191.1	127.4	178.3	233.5	199.5	161.3	191.1
85°	131.6	148.6	123.1	144.4	59.4	59.4	76.4	101.9	67.9	46.7	50.9
87.5°	0.0	0.0	8.5	17.0	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: P1501527
CATALOG NUMBER: GSS-SB3C-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2997.4	2997.4	*2997.4*	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4	2997.4
2.5°	3010.1	3005.9	*3005.9*	3014.4	3035.6	3044.1	3056.8	3052.6	3065.3	3056.8
5°	3069.6	3073.8	*3086.6*	3090.8	3103.5	3120.5	3124.8	3120.5	3129.0	3129.0
7.5°	3188.5	3205.4	*3196.9*	3218.2	3201.2	3180.0	3146.0	3120.5	3099.3	3107.8
10°	3388.0	3379.5	*3375.3*	3337.1	3260.6	3150.2	3061.1	2963.4	2946.5	2929.5
12.5°	3608.8	3600.3	*3600.3*	3468.7	3252.1	3022.9	2819.1	2666.2	2615.3	2611.1
15°	3918.7	3863.5	*3812.6*	3536.6	3103.5	2712.9	2475.2	2356.3	2326.6	2326.6
17.5°	4305.1	4160.7	*4075.8*	3485.6	2861.5	2509.2	2369.1	2339.3	2330.8	2352.1
20°	4784.8	4419.7	*4296.6*	3371.0	2772.4	2534.6	2466.7	2470.9	2475.2	2504.9
22.5°	5311.3	4657.4	*4453.6*	3371.0	2861.5	2696.0	2662.0	2708.7	2721.4	2746.9
25°	5897.2	4869.7	*4593.8*	3549.3	3124.8	3001.6	2959.2	3005.9	3039.9	3082.3
27.5°	6555.2	5090.5	*4835.8*	3872.0	3464.4	3388.0	3341.3	3362.5	3409.2	3460.2
30°	7145.4	5459.9	*5205.1*	4364.5	3927.2	3833.8	3753.1	3787.1	3838.0	3872.0
32.5°	7667.6	5909.9	*5693.4*	4882.5	4457.9	4296.6	4207.4	4198.9	4300.8	4275.3
35°	8147.3	6440.6	*6232.6*	5472.6	4997.1	4797.5	4678.7	4831.5	4763.6	4789.1
37.5°	8525.2	6992.5	*6826.9*	6037.3	5557.5	5285.8	5213.6	5400.4	5506.6	5536.3
40°	8835.1	7472.3	*7298.2*	6597.7	6071.2	5871.7	5986.3	6296.2	6283.5	6270.8
42.5°	9072.9	7884.1	*7693.1*	7022.2	6563.7	6601.9	6691.1	6899.1	6950.1	6877.9
45°	9179.0	8143.1	*7990.2*	7357.6	7124.1	7344.9	7383.1	7472.3	7438.3	7391.6
47.5°	9302.1	8372.3	*8211.0*	7663.3	7731.3	7947.8	7871.4	7799.2	7676.1	7603.9
50°	9510.2	8644.1	*8508.2*	8109.1	8355.4	8283.2	7986.0	7824.7	7574.2	7489.3
52.5°	9905.0	9157.8	*9055.9*	8813.9	8648.3	8232.2	7871.4	7582.7	7302.5	7187.8
55°	10257.4	9854.1	*9794.6*	9472.0	8559.2	7964.8	7480.8	7035.0	6555.2	6457.6
57.5°	10461.2	11008.9	*11076.8*	9752.2	8151.6	7357.6	6644.4	5931.1	5476.8	5396.2
60°	*9854.1*	*12257.1*	*12291.1*	*9697.0*	*7417.1*	*6262.3*	*5175.4*	*4670.2*	*4181.9*	*4041.8*
62.5°	9017.7	11998.1	*11968.4*	9365.8	5905.6	4568.3	3931.4	3693.7	3315.8	3201.2
65°	7752.5	9994.2	*10028.1*	8092.1	3927.2	3303.1	3303.1	3001.6	2581.3	2500.7
67.5°	6317.5	7705.8	*7629.4*	5247.6	2411.5	2645.0	2772.4	2339.3	1749.2	1651.5
70°	4105.5	5884.4	*5778.3*	3027.1	1515.7	2203.5	2182.2	1757.7	1252.5	1184.5
72.5°	1766.2	3400.7	*3617.3*	1545.4	1142.1	1774.7	1740.7	1231.2	836.4	806.7
75°	1065.6	1711.0	*1863.8*	985.0	832.1	1337.4	1205.8	781.2	568.9	547.7
77.5°	675.1	938.3	*929.8*	738.7	624.1	904.3	810.9	539.2	386.4	369.4
80°	390.6	462.8	*479.8*	462.8	420.3	645.3	518.0	390.6	301.4	280.2
82.5°	250.5	288.7	*292.9*	225.0	233.5	416.1	280.2	229.3	174.1	157.1
85°	110.4	123.1	*118.9*	76.4	76.4	169.8	97.6	93.4	67.9	67.9
87.5°	4.2	8.5	*4.2*	4.2	4.2	17.0	8.5	12.7	12.7	12.7
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

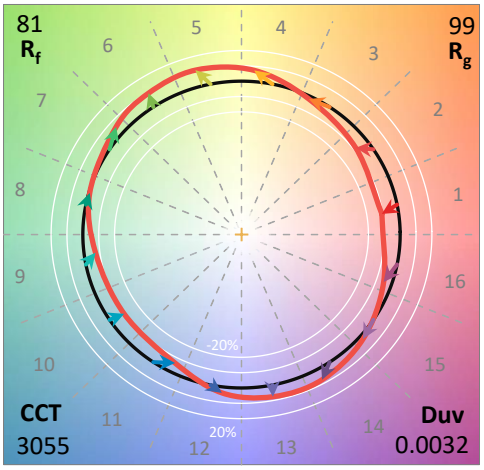
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

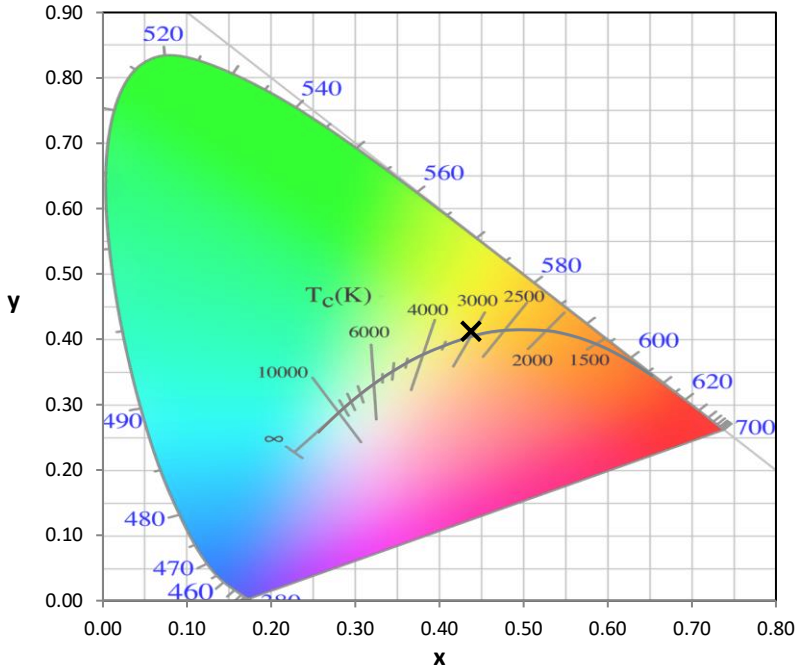
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

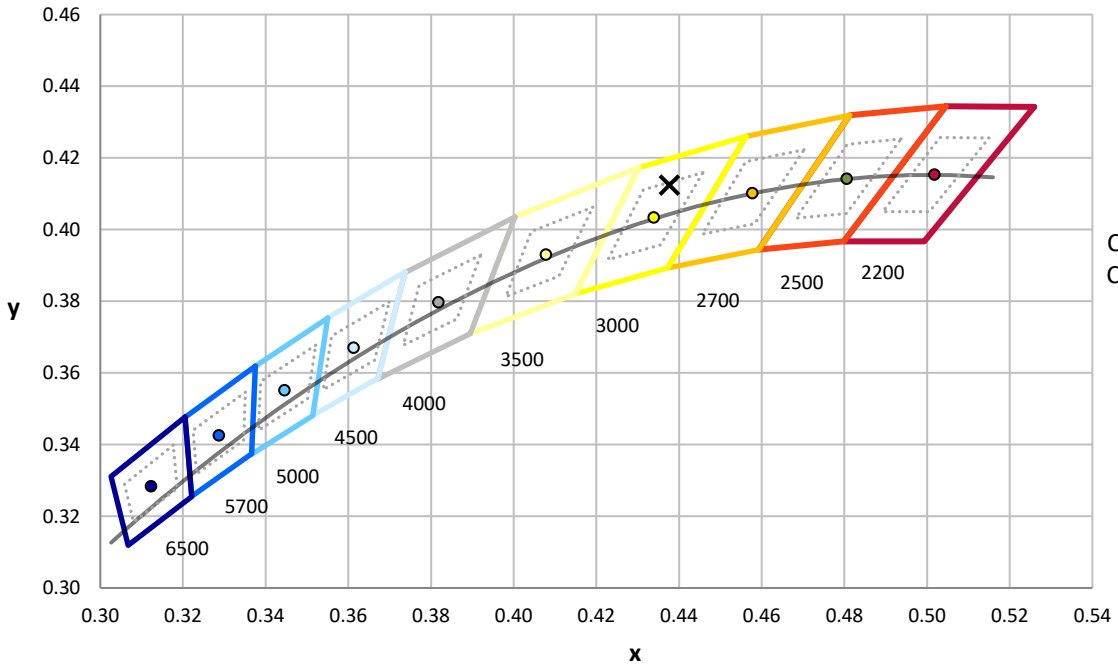
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

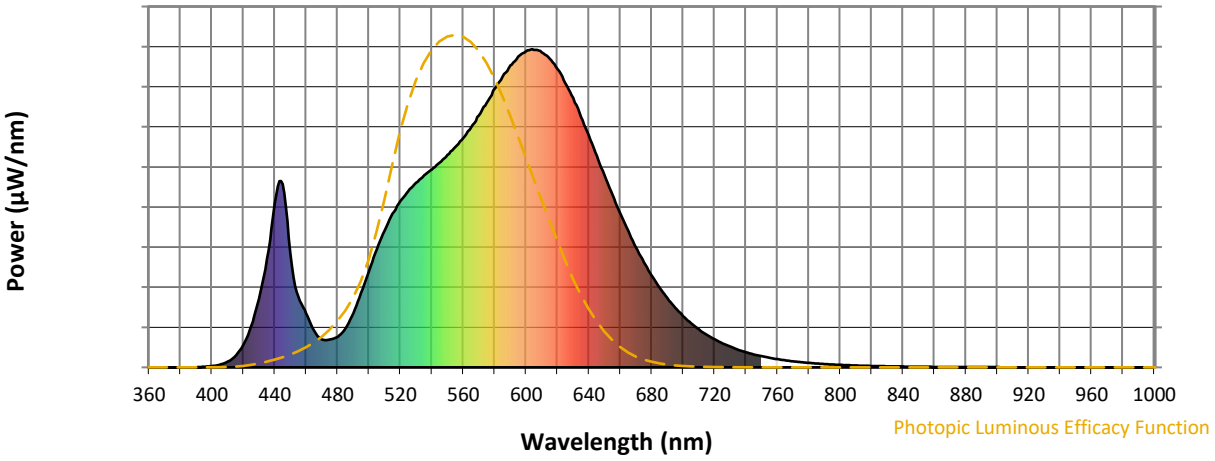


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

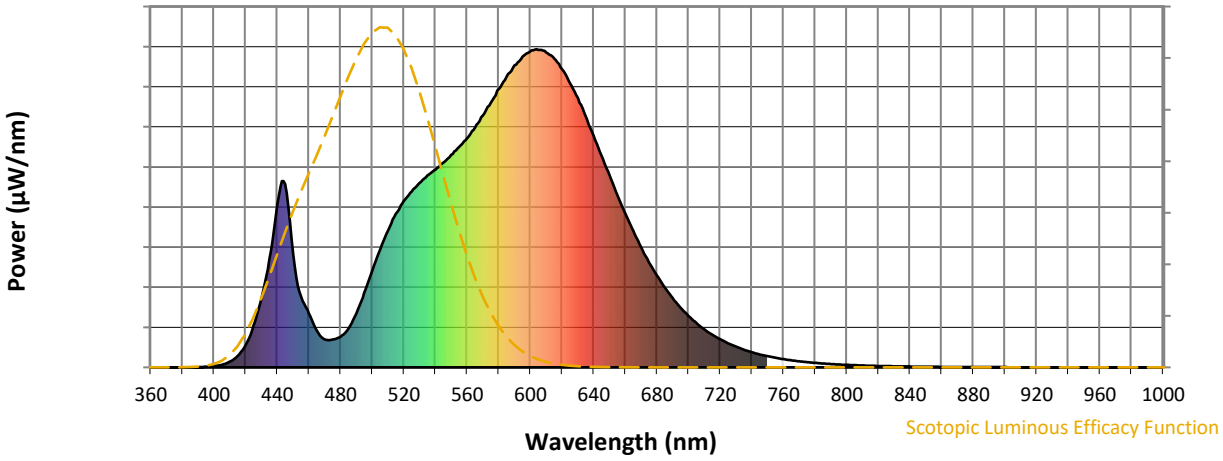


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

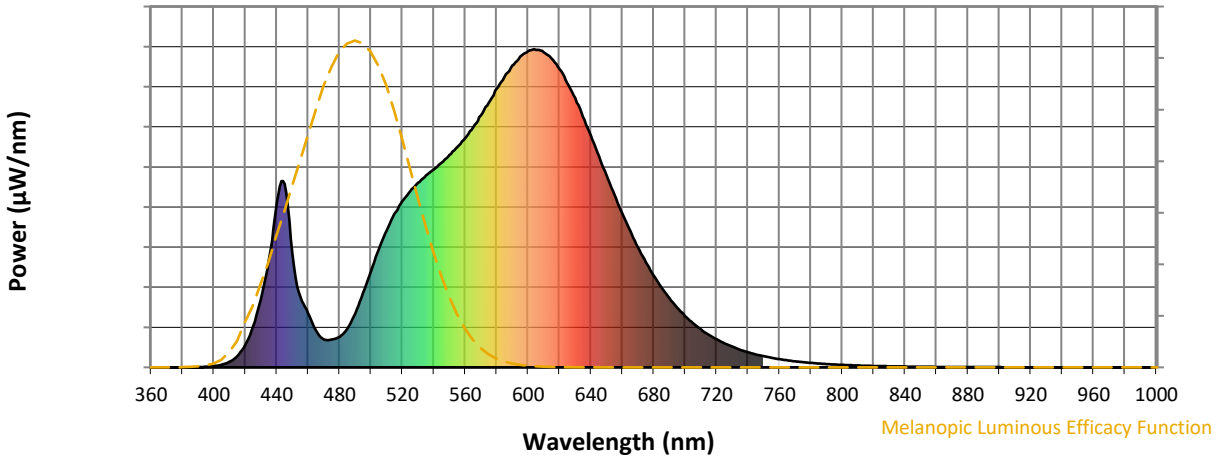


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

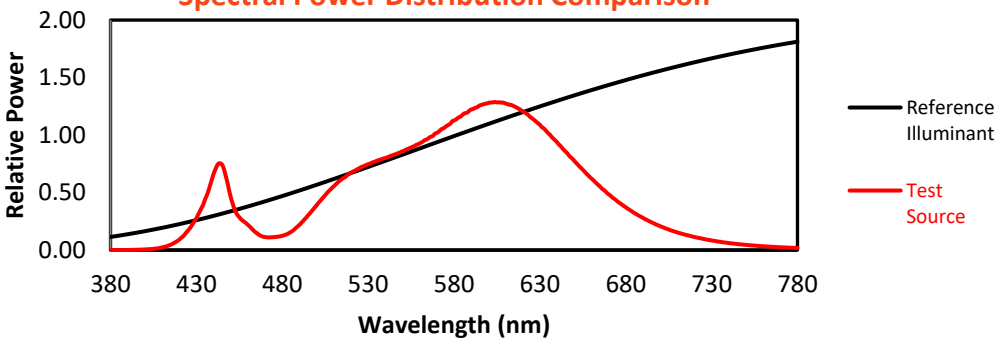
REPORT NUMBER: SP1-2407-184-9

TM-30-18

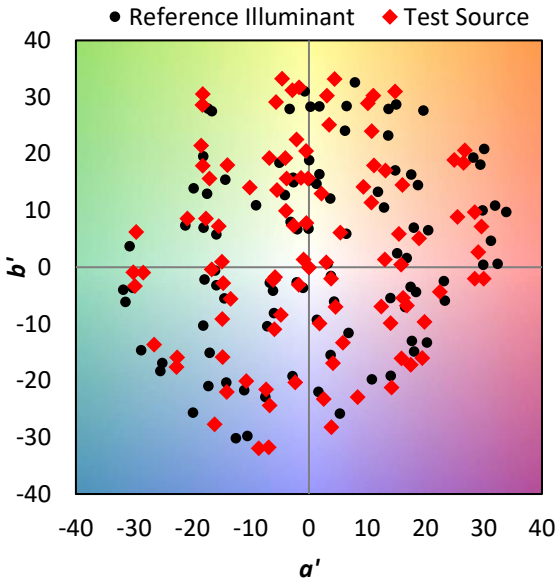
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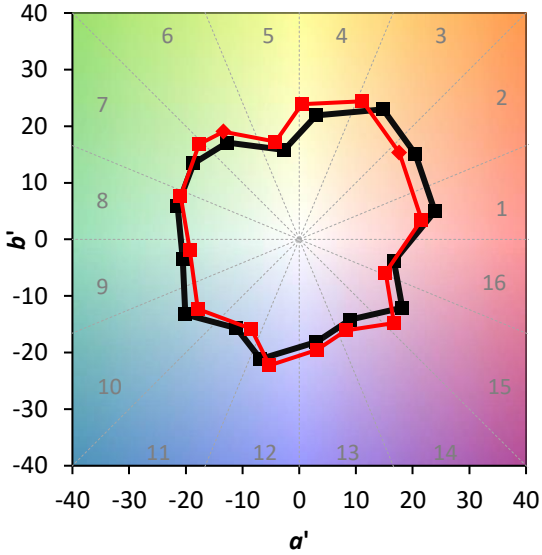
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

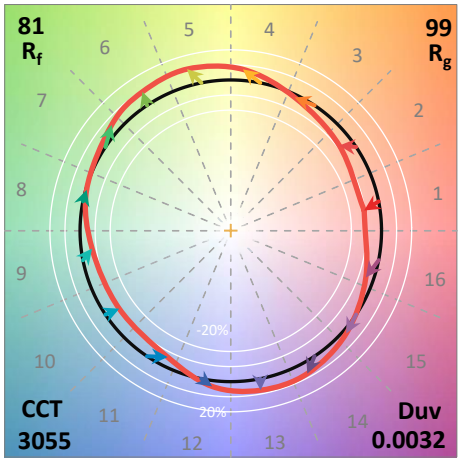
Spectral Power Distribution Comparison

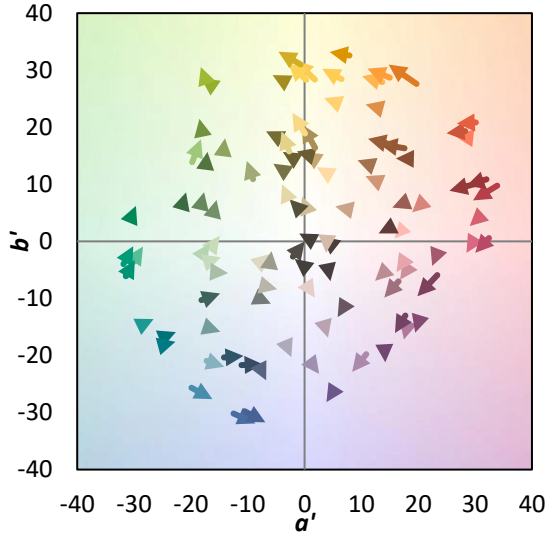


Color Vector Graphics







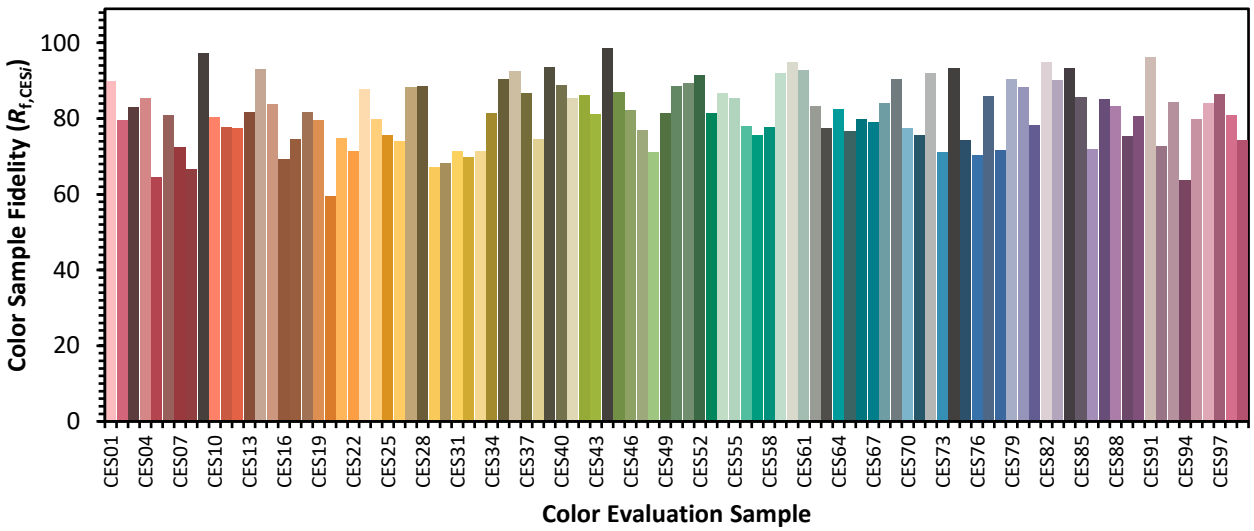


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Individual Sample Fidelity Index ($R_{f,i}$)

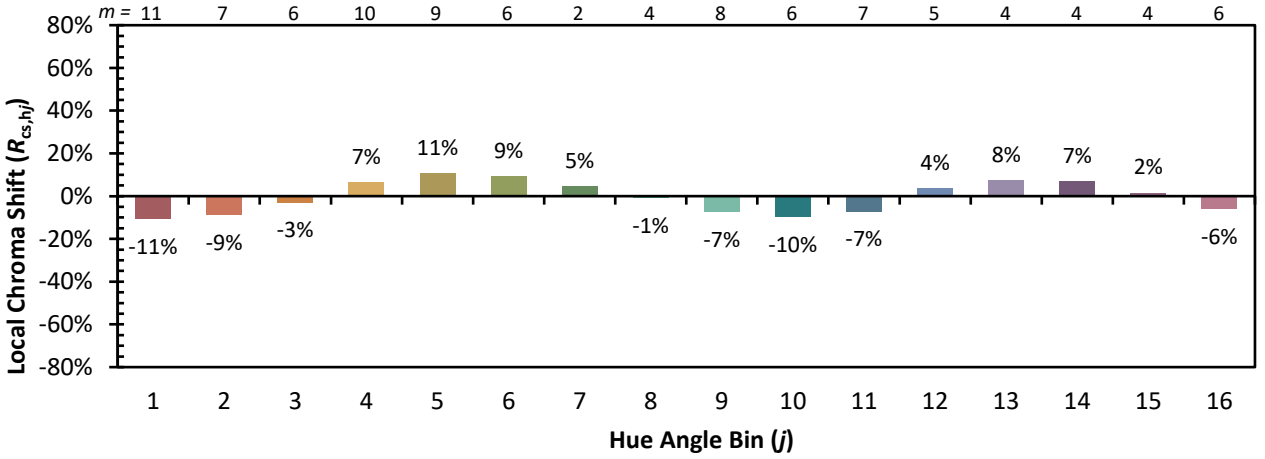
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

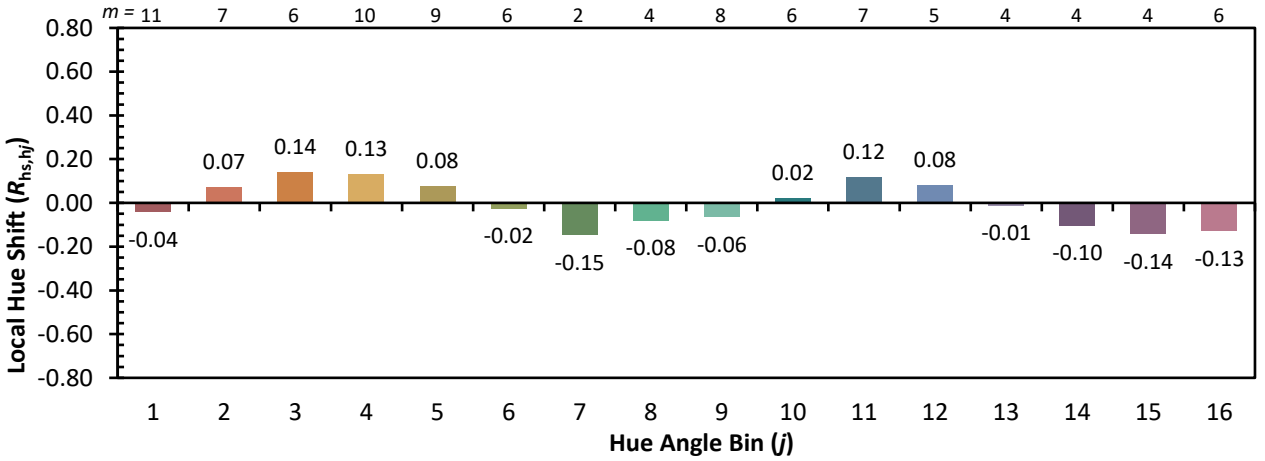


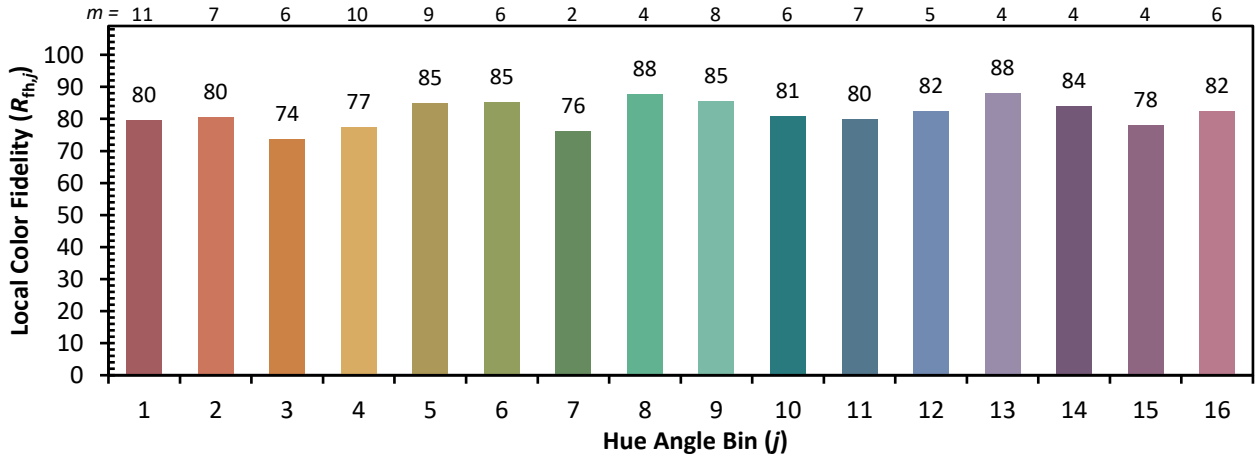
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Color Rendition by Hue-Angle Bin



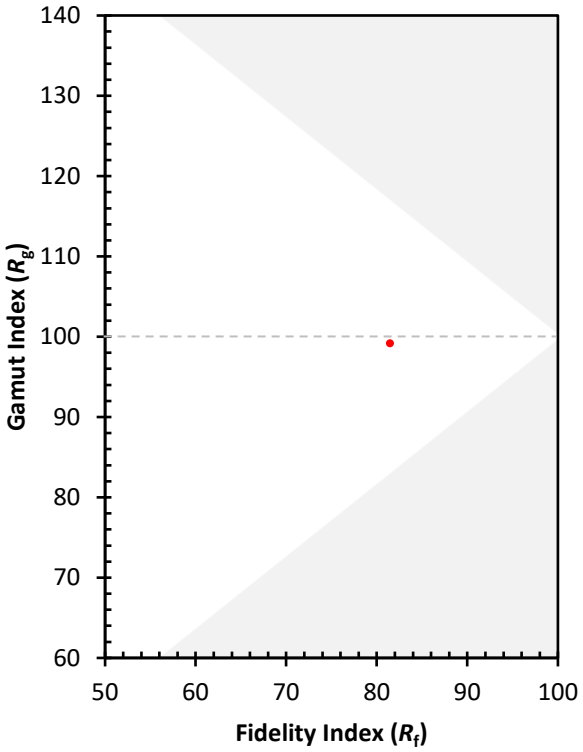


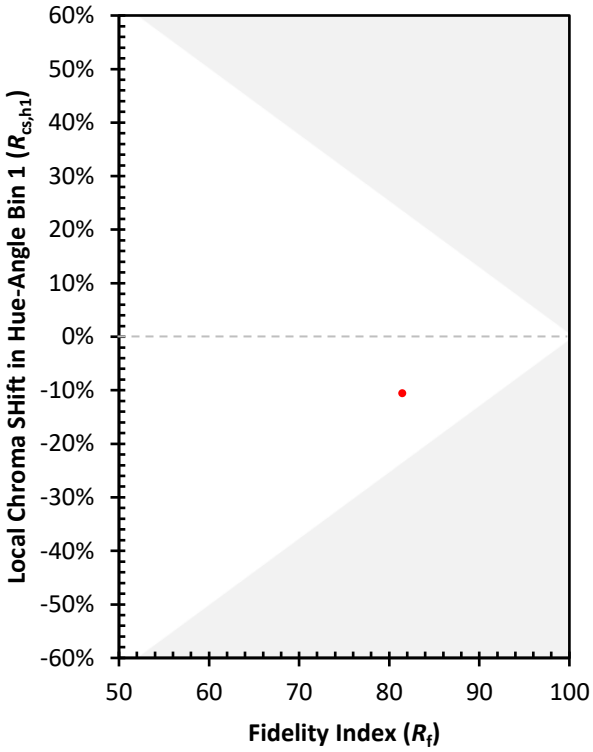


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Measure Comparisons





(END OF REPORT)