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: P1501533

Luminaire Tested: GSS-SB5A-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:	P1501533
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19475.1 lumens
Efficiency:	N/A
Efficacy:	136.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

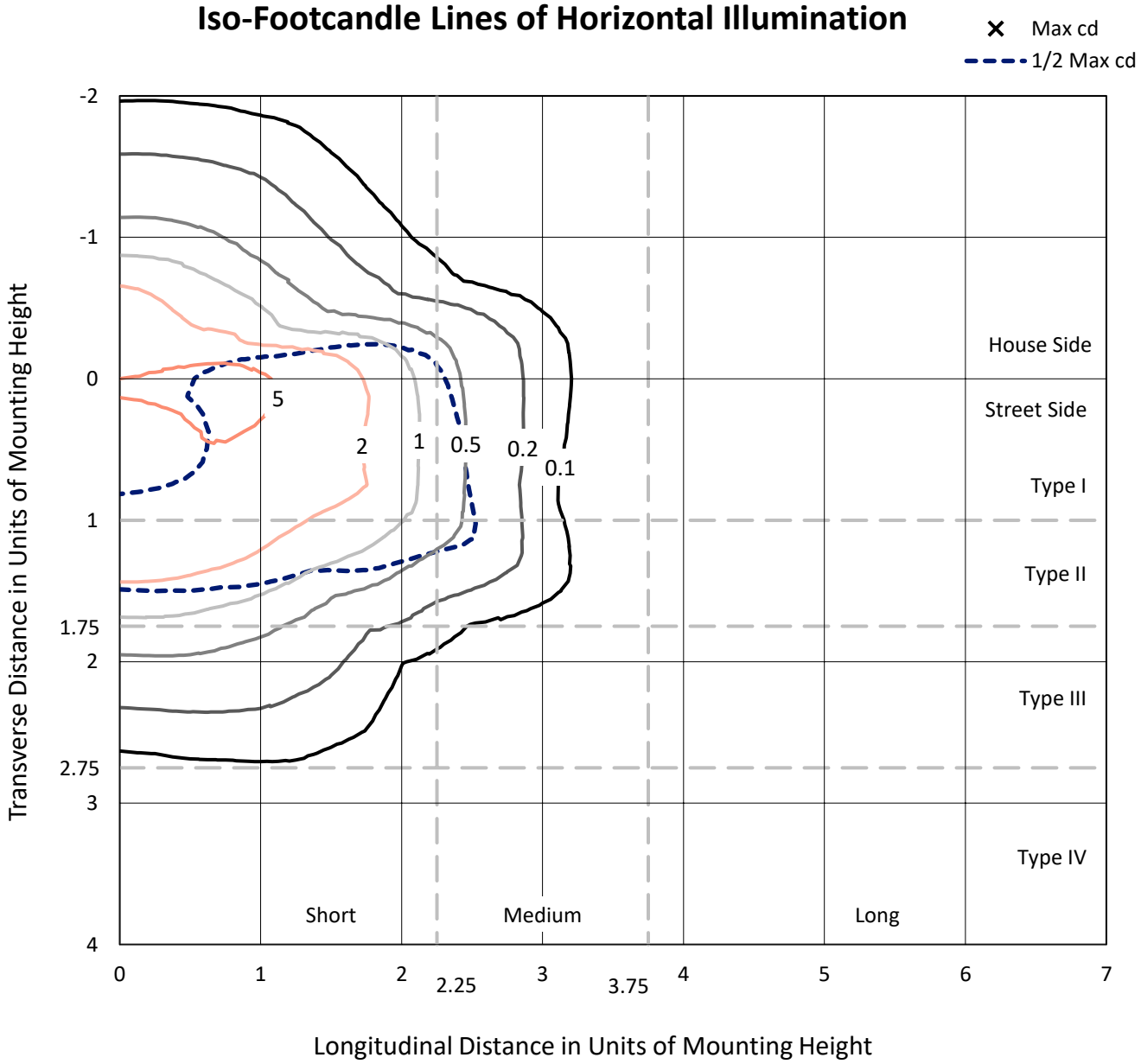
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



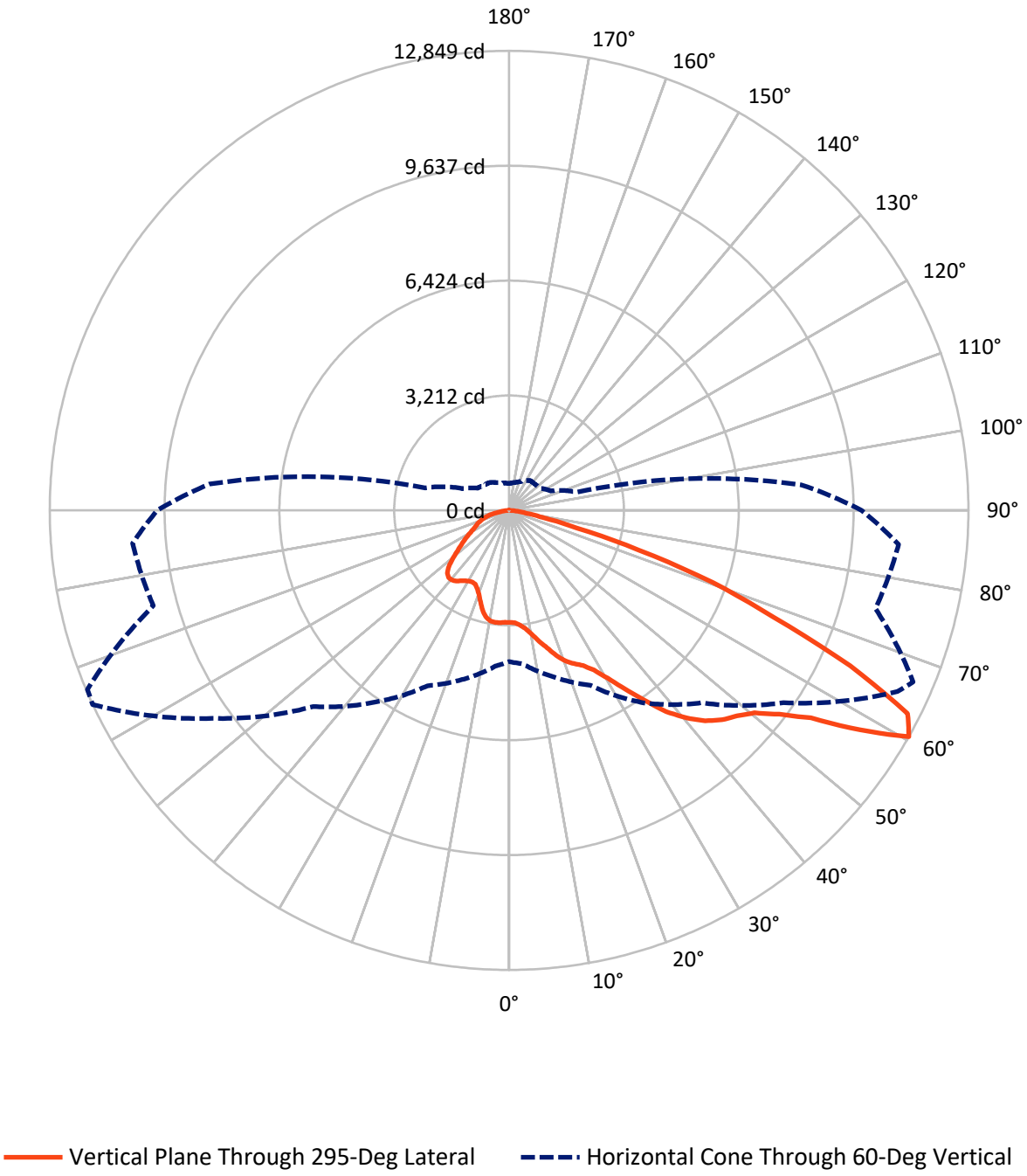
Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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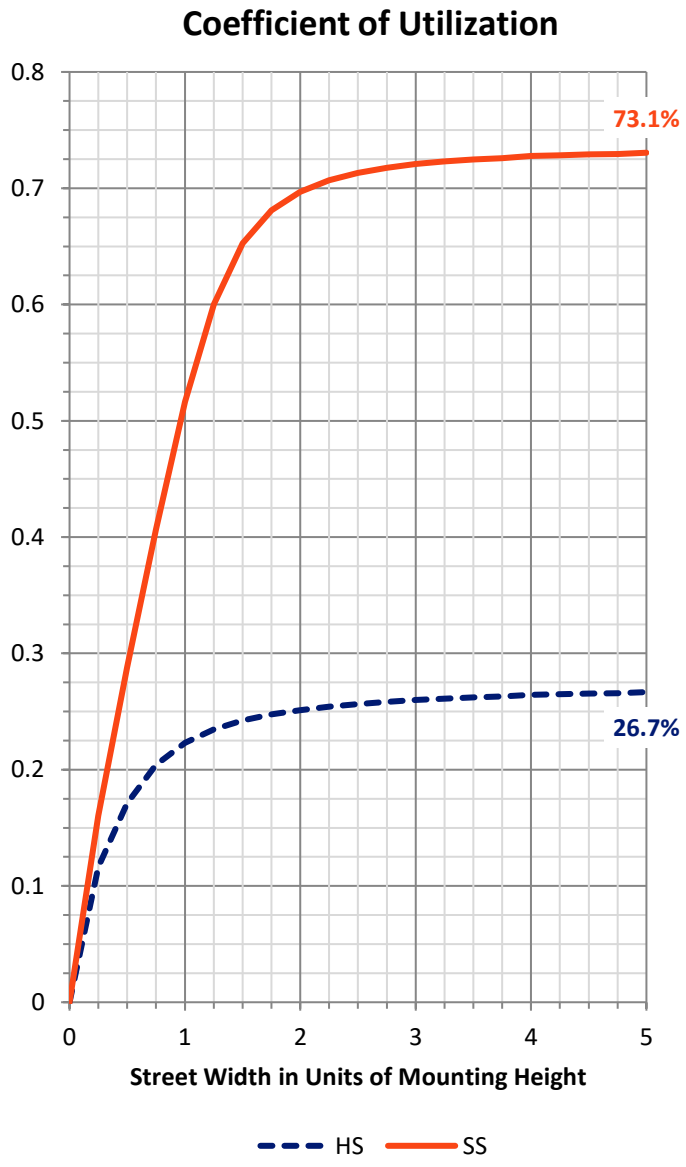
REPORT NUMBER: P1501533
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5237.1	0.0	5237.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	14238.0	0.0	14238.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	19475.1	0.0	19475.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.6	1.5
10°-20°	846.9	4.3
20°-30°	1604.2	8.2
30°-40°	2828.2	14.5
40°-50°	4182.6	21.5
50°-60°	4911.5	25.2
60°-70°	3558.6	18.3
70°-80°	1097.4	5.6
80°-90°	151.1	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°	19475.1	100.0
0°-180°	19475.1	100.0



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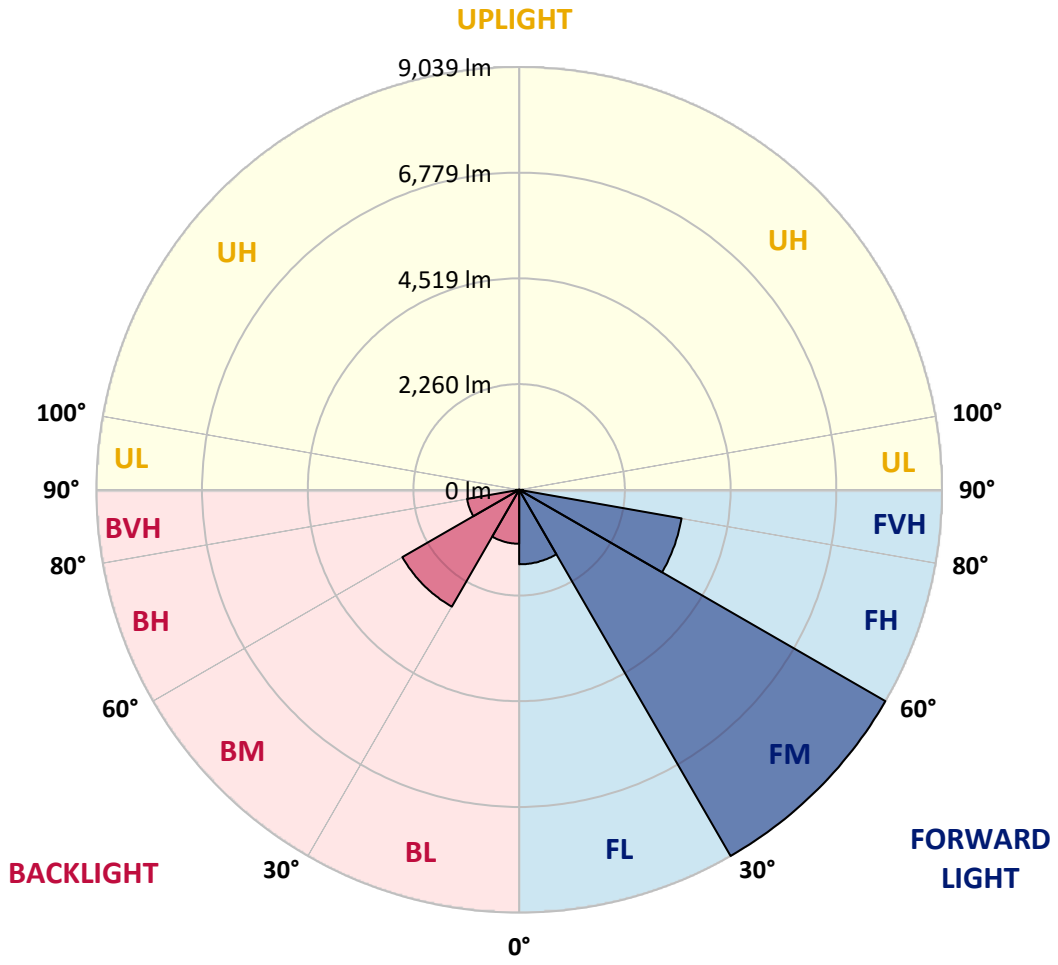
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1592.4	8.2			
FM	(30°-60°)	9038.5	46.4			
FH	(60°-80°)	3525.6	18.1			G2/5000
FVH	(80°-90°)	81.5	0.4			G1/100
BL	(0°-30°)	1153.4	5.9	B3/2500		
BM	(30°-60°)	2883.7	14.8	B3/5000		
BH	(60°-80°)	1130.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	69.6	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°	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4
2.5°	3195.6	3204.5	3191.1	3200.0	3200.0	3186.7	3182.3	3164.5	3173.4	3169.0	3164.5
5°	3271.0	3275.5	3266.6	3279.9	3279.9	3284.4	3279.9	3257.7	3257.7	3257.7	3248.8
7.5°	3248.8	3248.8	3253.3	3297.7	3342.0	3399.7	3399.7	3390.9	3399.7	3395.3	3355.4
10°	3062.4	3080.2	3120.1	3231.1	3337.6	3461.9	3546.2	3572.8	3572.8	3577.3	3510.7
12.5°	2729.6	2742.9	2836.1	3004.7	3226.7	3453.0	3657.2	3790.3	3803.6	3825.8	3737.1
15°	2432.2	2441.1	2507.6	2680.7	2933.7	3333.2	3719.3	3994.5	4038.9	4132.1	3998.9
17.5°	2458.8	2454.4	2472.1	2538.7	2720.7	3137.9	3706.0	4234.2	4314.0	4478.3	4362.9
20°	2618.6	2618.6	2631.9	2645.2	2711.8	2995.9	3608.3	4429.4	4584.8	4904.3	4771.2
22.5°	2871.6	2871.6	2867.2	2889.3	2889.3	3058.0	3612.8	4575.9	4806.7	5379.2	5250.5
25°	3222.2	3204.5	3204.5	3213.3	3173.4	3293.2	3723.7	4726.8	5028.6	5942.9	5831.9
27.5°	3617.2	3630.5	3621.7	3590.6	3537.3	3630.5	3990.0	4962.0	5277.2	6537.6	6493.3
30°	4047.7	4052.2	4061.1	4043.3	3998.9	4065.5	4407.2	5317.1	5605.6	7159.0	7256.6
32.5°	4469.4	4531.5	4509.3	4464.9	4482.7	4602.5	4922.1	5796.4	6093.8	7736.0	8082.2
35°	5006.4	5028.6	5117.4	4953.2	4957.6	5161.8	5579.0	6426.7	6715.2	8335.2	8907.7
37.5°	5787.6	5827.5	5787.6	5530.1	5490.2	5774.2	6218.1	7048.0	7256.6	8787.9	9675.5
40°	6555.4	6604.2	6670.8	6369.0	6116.0	6351.2	6821.7	7522.9	7740.4	9036.4	10185.9
42.5°	7190.1	7270.0	7198.9	7110.2	6879.4	6923.8	7243.3	7891.3	8108.8	9351.5	10700.8
45°	7727.1	7740.4	7771.5	7709.3	7594.0	7554.0	7602.8	8215.3	8455.0	9493.6	10953.8
47.5°	7949.0	8006.7	8033.3	8139.9	8259.7	8179.8	7909.1	8366.2	8583.7	9484.7	11033.6
50°	7829.2	7886.9	8028.9	8281.9	8570.4	8712.4	8268.6	8574.8	8818.9	9644.5	11197.9
52.5°	7514.1	7576.2	7807.0	8095.5	8579.3	8903.3	8774.5	9009.8	9245.0	9928.5	11473.0
55°	6750.7	6843.9	7167.9	7647.2	8313.0	8801.2	9307.1	9648.9	9906.3	10270.3	11757.1
57.5°	5641.1	5738.7	6102.7	6821.7	7820.3	8379.5	9462.5	10847.2	10962.6	10678.6	11783.7
60°	*4225.3*	*4305.2*	*4820.0*	*5397.0*	*6568.7*	*7607.3*	*9373.7*	*11983.4*	*12276.4*	*10607.6*	*10936.0*
62.5°	3346.5	3444.1	3901.3	4167.6	5006.4	6284.7	9063.0	12298.6	12551.5	10021.7	9755.4
65°	2614.2	2680.7	3106.8	3488.5	3692.7	4291.8	7767.0	10758.5	10984.8	9067.5	8051.1
67.5°	1726.5	1828.6	2334.6	2858.3	2964.8	2729.6	5343.7	8277.5	8384.0	7207.8	6053.9
70°	1238.3	1287.1	1664.4	2223.6	2383.4	1828.6	2911.5	6266.9	6298.0	4837.8	4078.8
72.5°	843.3	852.2	1131.8	1704.3	1899.6	1327.1	1602.2	4127.6	4021.1	2387.8	2334.6
75°	572.5	581.4	723.4	1136.2	1344.8	923.2	1043.0	2250.2	2161.5	1318.2	1415.8
77.5°	386.1	395.0	497.1	763.4	896.5	639.1	763.4	1189.5	1167.3	874.3	759.0
80°	292.9	306.2	368.4	488.2	625.8	372.8	435.0	563.7	572.5	466.0	386.1
82.5°	164.2	182.0	221.9	248.5	403.9	208.6	208.6	337.3	324.0	288.5	208.6
85°	71.0	75.5	88.8	93.2	164.2	88.8	75.5	146.5	150.9	142.0	66.6
87.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	17.8	17.8	17.8	17.8
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°	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4
2.5°	3142.3	3169.0	3142.3	3129.0	3129.0	3106.8	3097.9	3097.9	3066.9	3080.2	3071.3
5°	3213.3	3222.2	3191.1	3151.2	3097.9	3053.6	2991.4	2911.5	2862.7	2858.3	2862.7
7.5°	3324.3	3328.7	3244.4	3155.6	3022.5	2862.7	2671.9	2516.5	2378.9	2356.7	2383.4
10°	3479.6	3470.8	3346.5	3137.9	2858.3	2521.0	2228.0	2086.0	2006.1	2001.7	1997.2
12.5°	3688.2	3630.5	3439.7	3062.4	2574.2	2183.6	2032.7	2023.9	2046.1	2063.8	2068.3
15°	3927.9	3852.5	3515.1	2916.0	2285.7	2059.4	2068.3	2143.7	2170.3	2188.1	2188.1
17.5°	4225.3	4127.6	3599.5	2707.4	2139.3	2086.0	2148.1	2219.2	2263.5	2281.3	2276.9
20°	4620.3	4416.1	3666.0	2507.6	2099.3	2130.4	2183.6	2254.7	2299.0	2321.2	2321.2
22.5°	5015.3	4762.3	3679.4	2370.1	2099.3	2134.8	2183.6	2254.7	2303.5	2325.7	2321.2
25°	5552.3	5206.1	3683.8	2272.4	2103.8	2112.6	2157.0	2219.2	2290.2	2312.4	2321.2
27.5°	6124.9	5694.4	3706.0	2250.2	2086.0	2081.6	2112.6	2170.3	2241.3	2299.0	2303.5
30°	6835.0	6244.7	3714.9	2272.4	2090.4	2032.7	2054.9	2112.6	2188.1	2245.8	2263.5
32.5°	7531.8	6755.1	3697.1	2321.2	2099.3	2001.7	2006.1	2041.6	2121.5	2161.5	2192.5
35°	8268.6	7296.6	3666.0	2387.8	2103.8	1988.4	1948.4	1966.2	2019.4	2023.9	2037.2
37.5°	8845.6	7700.5	3572.8	2476.6	2112.6	1939.5	1859.7	1846.3	1824.1	1779.8	1788.6
40°	9320.5	7971.2	3417.5	2521.0	2090.4	1881.8	1748.7	1686.6	1602.2	1535.7	1549.0
42.5°	9662.2	8153.2	3231.1	2529.8	2054.9	1784.2	1620.0	1513.5	1420.3	1349.2	1353.7
45°	9813.1	8135.4	3031.4	2463.3	1970.6	1664.4	1500.1	1398.1	1296.0	1220.5	1211.7
47.5°	9817.5	7962.3	2756.2	2303.5	1828.6	1526.8	1389.2	1278.2	1193.9	1140.6	1136.2
50°	9853.1	7864.7	2498.8	2072.7	1642.2	1380.3	1291.5	1180.6	1131.8	1056.3	1034.1
52.5°	10075.0	8024.5	2321.2	1819.7	1469.1	1273.8	1207.2	1109.6	1029.7	980.9	976.4
55°	10434.5	8299.6	2223.6	1628.9	1304.9	1171.7	1127.3	1043.0	972.0	923.2	909.9
57.5°	10478.9	8441.7	2108.2	1451.3	1171.7	1091.8	1074.1	980.9	878.8	843.3	830.0
60°	*9857.5*	*8202.0*	*1966.2*	*1287.1*	*1074.1*	*1029.7*	*1020.8*	*896.5*	*812.2*	*767.8*	*750.1*
62.5°	9009.8	7602.8	1748.7	1136.2	998.6	967.6	932.0	834.4	727.9	679.1	665.7
65°	7363.2	6391.2	1486.8	1034.1	923.2	887.7	878.8	745.6	674.6	648.0	643.6
67.5°	5579.0	5135.1	1309.3	958.7	843.3	830.0	798.9	754.5	723.4	692.4	683.5
70°	3945.7	3706.0	1114.0	861.0	763.4	741.2	869.9	821.1	710.1	670.2	665.7
72.5°	2392.3	2325.7	963.1	772.3	656.9	692.4	803.3	741.2	639.1	590.3	572.5
75°	1509.0	1380.3	807.8	656.9	523.7	563.7	701.3	661.3	550.4	501.5	488.2
77.5°	821.1	763.4	608.0	537.0	412.8	457.1	612.5	545.9	439.4	479.3	426.1
80°	359.5	399.4	403.9	310.7	275.2	337.3	439.4	426.1	337.3	341.8	284.1
82.5°	173.1	226.4	261.9	213.0	155.3	199.7	292.9	244.1	226.4	213.0	204.2
85°	53.3	84.3	115.4	102.1	71.0	84.3	137.6	133.1	159.8	137.6	128.7
87.5°	17.8	17.8	13.3	13.3	13.3	17.8	22.2	13.3	4.4	4.4	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°	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4
2.5°	3066.9	3071.3	3071.3	3075.8	3075.8	3089.1	3106.8	3124.6	3111.3	3129.0	3133.4
5°	2853.8	2876.0	2893.8	2960.4	3013.6	3058.0	3106.8	3151.2	3164.5	3173.4	3195.6
7.5°	2352.3	2414.4	2529.8	2680.7	2849.4	3013.6	3124.6	3240.0	3257.7	3279.9	3311.0
10°	2001.7	2028.3	2108.2	2263.5	2565.3	2889.3	3160.1	3342.0	3417.5	3461.9	3493.0
12.5°	2059.4	2041.6	2028.3	2050.5	2245.8	2663.0	3137.9	3488.5	3630.5	3679.4	3719.3
15°	2197.0	2179.2	2130.4	2068.3	2090.4	2423.3	3062.4	3626.1	3852.5	3932.3	4016.7
17.5°	2276.9	2259.1	2219.2	2152.6	2094.9	2223.6	2920.4	3750.4	4203.1	4300.7	4420.6
20°	2321.2	2303.5	2263.5	2197.0	2130.4	2148.1	2738.4	3905.7	4602.5	4757.9	4935.4
22.5°	2330.1	2307.9	2263.5	2197.0	2157.0	2143.7	2565.3	3998.9	5033.0	5272.7	5476.9
25°	2325.7	2285.7	2228.0	2179.2	2157.0	2152.6	2445.5	4052.2	5499.1	5880.8	6111.6
27.5°	2294.6	2245.8	2188.1	2152.6	2143.7	2170.3	2392.3	4114.3	6045.0	6533.2	6901.6
30°	2259.1	2188.1	2117.1	2103.8	2126.0	2210.3	2436.6	4136.5	6617.5	7243.3	7620.6
32.5°	2165.9	2112.6	2041.6	2037.2	2090.4	2241.3	2538.7	4105.4	7123.5	7953.5	8428.4
35°	2032.7	2001.7	1961.7	1975.0	2059.4	2268.0	2609.7	4007.8	7585.1	8614.8	9169.6
37.5°	1797.5	1819.7	1841.9	1873.0	1979.5	2263.5	2640.8	3852.5	7966.8	9142.9	9853.1
40°	1535.7	1611.1	1682.1	1762.0	1904.0	2228.0	2649.7	3661.6	8188.7	9542.4	10461.1
42.5°	1371.4	1442.5	1531.2	1646.6	1802.0	2148.1	2640.8	3448.6	8259.7	9817.5	10847.2
45°	1220.5	1304.9	1415.8	1535.7	1713.2	2032.7	2560.9	3217.8	8295.2	9946.3	11011.5
47.5°	1140.6	1189.5	1291.5	1411.4	1597.8	1890.7	2405.6	3049.1	8241.9	9972.9	11211.2
50°	1047.4	1114.0	1180.6	1296.0	1478.0	1713.2	2219.2	2951.5	8330.7	10234.7	11526.3
52.5°	976.4	1011.9	1082.9	1189.5	1322.6	1549.0	2041.6	2871.6	8574.8	10501.0	11854.7
55°	923.2	963.1	1007.5	1096.3	1198.3	1384.8	1859.7	2751.8	8858.9	10785.1	12183.2
57.5°	838.8	865.5	927.6	1020.8	1087.4	1225.0	1646.6	2609.7	8836.7	10563.2	11615.1
60°	*763.4*	*790.0*	*856.6*	*949.8*	*989.7*	*1082.9*	*1438.0*	*2427.8*	*8410.6*	*9839.7*	*10567.6*
62.5°	679.1	710.1	790.0	856.6	892.1	963.1	1220.5	2094.9	7522.9	8752.4	9342.6
65°	643.6	661.3	714.6	794.5	790.0	856.6	1029.7	1646.6	6053.9	6688.5	7225.6
67.5°	683.5	710.1	701.3	723.4	710.1	745.6	923.2	1322.6	4757.9	5037.5	5348.2
70°	674.6	736.8	767.8	723.4	621.4	661.3	798.9	1056.3	3404.2	3377.6	3364.2
72.5°	590.3	652.4	741.2	785.6	608.0	550.4	692.4	914.3	2183.6	2174.8	1966.2
75°	501.5	545.9	652.4	710.1	523.7	443.8	594.7	776.7	1304.9	1322.6	1180.6
77.5°	461.6	439.4	545.9	625.8	426.1	341.8	479.3	585.9	719.0	727.9	674.6
80°	332.9	319.6	408.3	457.1	324.0	244.1	270.7	363.9	386.1	346.2	359.5
82.5°	213.0	217.5	244.1	292.9	199.7	133.1	186.4	244.1	208.6	168.7	199.7
85°	137.6	155.3	128.7	150.9	62.1	62.1	79.9	106.5	71.0	48.8	53.3
87.5°	0.0	0.0	8.9	17.8	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: P1501533
CATALOG NUMBER: GSS-SB5A-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3133.4	3133.4	*3133.4*	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4	3133.4
2.5°	3146.8	3142.3	*3142.3*	3151.2	3173.4	3182.3	3195.6	3191.1	3204.5	3195.6
5°	3208.9	3213.3	*3226.7*	3231.1	3244.4	3262.2	3266.6	3262.2	3271.0	3271.0
7.5°	3333.2	3350.9	*3342.0*	3364.2	3346.5	3324.3	3288.8	3262.2	3240.0	3248.8
10°	3541.8	3532.9	*3528.5*	3488.5	3408.6	3293.2	3200.0	3097.9	3080.2	3062.4
12.5°	3772.6	3763.7	*3763.7*	3626.1	3399.7	3160.1	2947.0	2787.3	2734.0	2729.6
15°	4096.6	4038.9	*3985.6*	3697.1	3244.4	2836.1	2587.5	2463.3	2432.2	2432.2
17.5°	4500.4	4349.5	*4260.8*	3643.9	2991.4	2623.0	2476.6	2445.5	2436.6	2458.8
20°	5002.0	4620.3	*4491.6*	3524.0	2898.2	2649.7	2578.7	2583.1	2587.5	2618.6
22.5°	5552.3	4868.8	*4655.8*	3524.0	2991.4	2818.3	2782.8	2831.6	2845.0	2871.6
25°	6164.8	5090.7	*4802.3*	3710.4	3266.6	3137.9	3093.5	3142.3	3177.8	3222.2
27.5°	6852.8	5321.5	*5055.2*	4047.7	3621.7	3541.8	3493.0	3515.1	3564.0	3617.2
30°	7469.7	5707.7	*5441.4*	4562.6	4105.4	4007.8	3923.5	3959.0	4012.2	4047.7
32.5°	8015.6	6178.1	*5951.8*	5104.1	4660.2	4491.6	4398.4	4389.5	4496.0	4469.4
35°	8517.1	6732.9	*6515.4*	5721.0	5223.9	5015.3	4891.0	5050.8	4979.8	5006.4
37.5°	8912.1	7309.9	*7136.8*	6311.3	5809.8	5525.7	5450.2	5645.5	5756.5	5787.6
40°	9236.1	7811.4	*7629.5*	6897.1	6346.8	6138.2	6258.0	6582.0	6568.7	6555.4
42.5°	9484.7	8241.9	*8042.2*	7341.0	6861.6	6901.6	6994.8	7212.3	7265.5	7190.1
45°	9595.6	8512.7	*8352.9*	7691.6	7447.5	7678.3	7718.2	7811.4	7775.9	7727.1
47.5°	9724.3	8752.4	*8583.7*	8011.2	8082.2	8308.5	8228.6	8153.2	8024.5	7949.0
50°	9941.8	9036.4	*8894.4*	8477.2	8734.6	8659.1	8348.5	8179.8	7918.0	7829.2
52.5°	10354.6	9573.4	*9466.9*	9213.9	9040.8	8605.9	8228.6	7926.8	7633.9	7514.1
55°	10723.0	10301.3	*10239.2*	9901.9	8947.6	8326.3	7820.3	7354.3	6852.8	6750.7
57.5°	10936.0	11508.5	*11579.6*	10194.8	8521.6	7691.6	6946.0	6200.3	5725.4	5641.1
60°	*10301.3*	*12813.4*	*12848.9*	*10137.1*	*7753.7*	*6546.5*	*5410.3*	*4882.1*	*4371.7*	*4225.3*
62.5°	9427.0	12542.7	*12511.6*	9790.9	6173.7	4775.6	4109.9	3861.3	3466.3	3346.5
65°	8104.4	10447.8	*10483.3*	8459.4	4105.4	3453.0	3453.0	3137.9	2698.5	2614.2
67.5°	6604.2	8055.5	*7975.6*	5485.8	2521.0	2765.1	2898.2	2445.5	1828.6	1726.5
70°	4291.8	6151.5	*6040.5*	3164.5	1584.5	2303.5	2281.3	1837.5	1309.3	1238.3
72.5°	1846.3	3555.1	*3781.4*	1615.5	1193.9	1855.2	1819.7	1287.1	874.3	843.3
75°	1114.0	1788.6	*1948.4*	1029.7	869.9	1398.1	1260.5	816.6	594.7	572.5
77.5°	705.7	980.9	*972.0*	772.3	652.4	945.4	847.7	563.7	403.9	386.1
80°	408.3	483.8	*501.5*	483.8	439.4	674.6	541.5	408.3	315.1	292.9
82.5°	261.9	301.8	*306.2*	235.2	244.1	435.0	292.9	239.7	182.0	164.2
85°	115.4	128.7	*124.3*	79.9	79.9	177.5	102.1	97.6	71.0	71.0
87.5°	4.4	8.9	*4.4*	4.4	4.4	17.8	8.9	13.3	13.3	13.3
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: SP1-2407-184-9

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

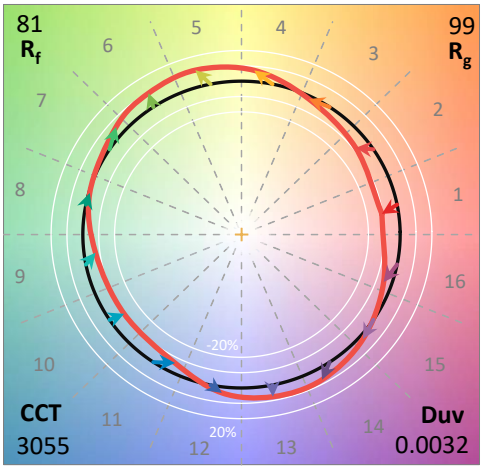
Test Information

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

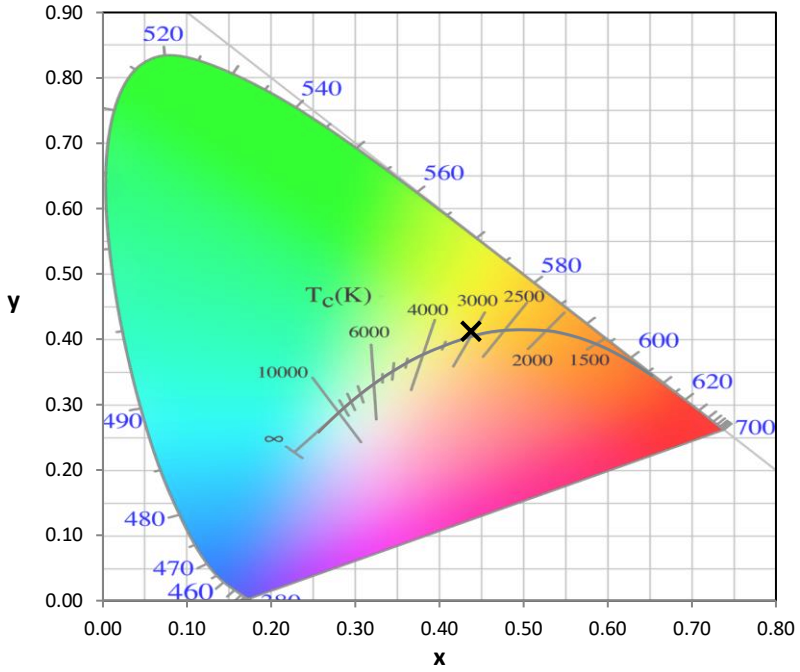
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

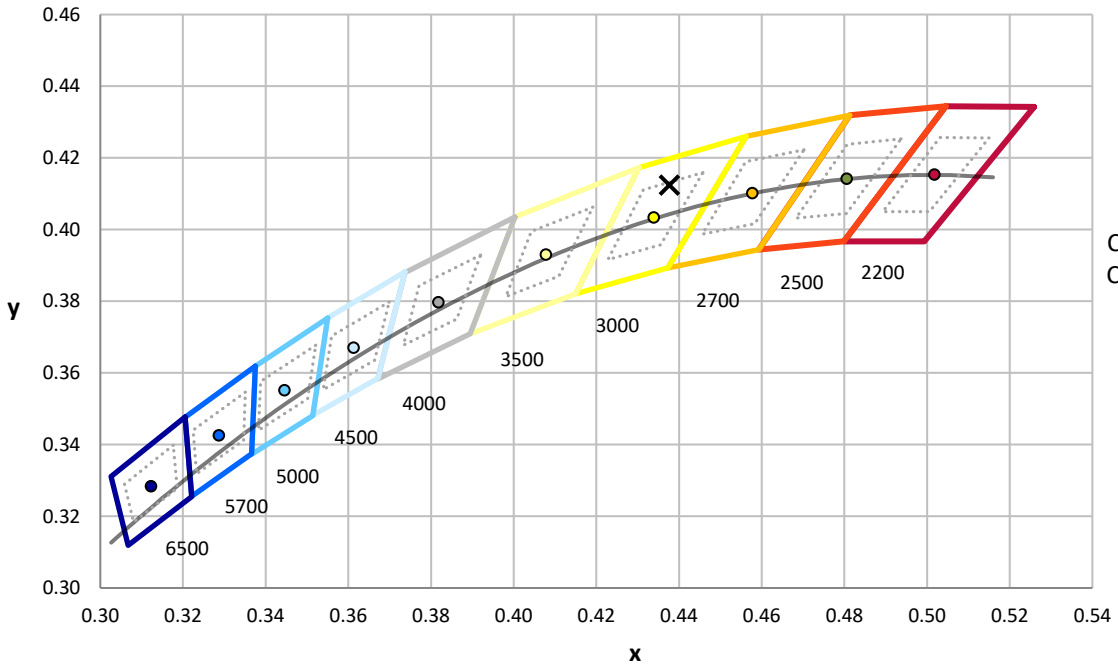
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

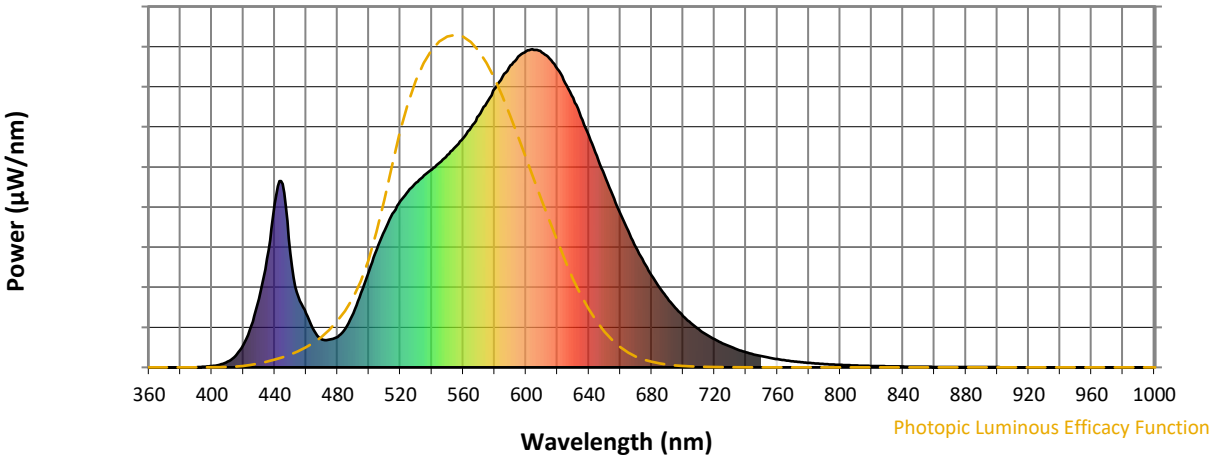


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

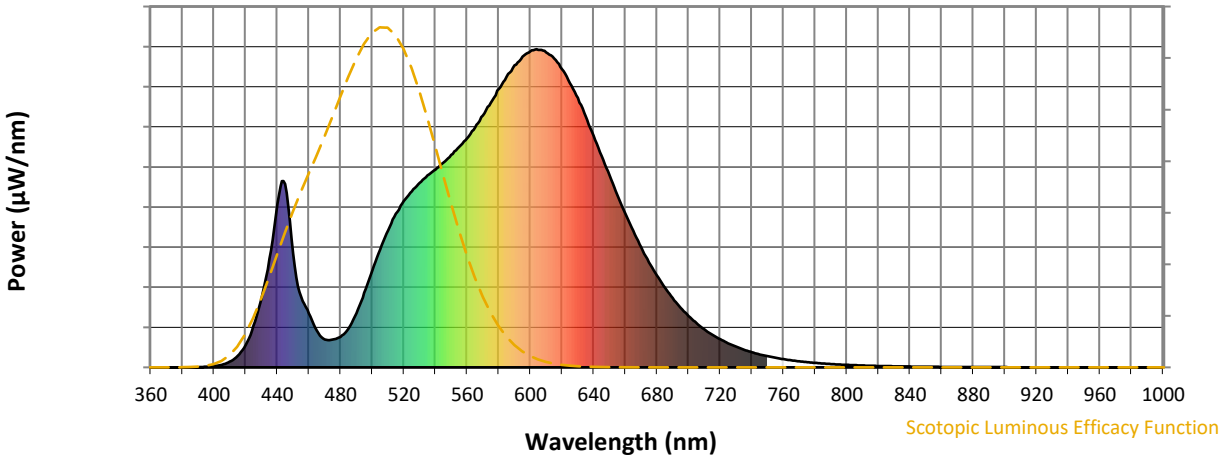


Photopic Lumens: NR

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

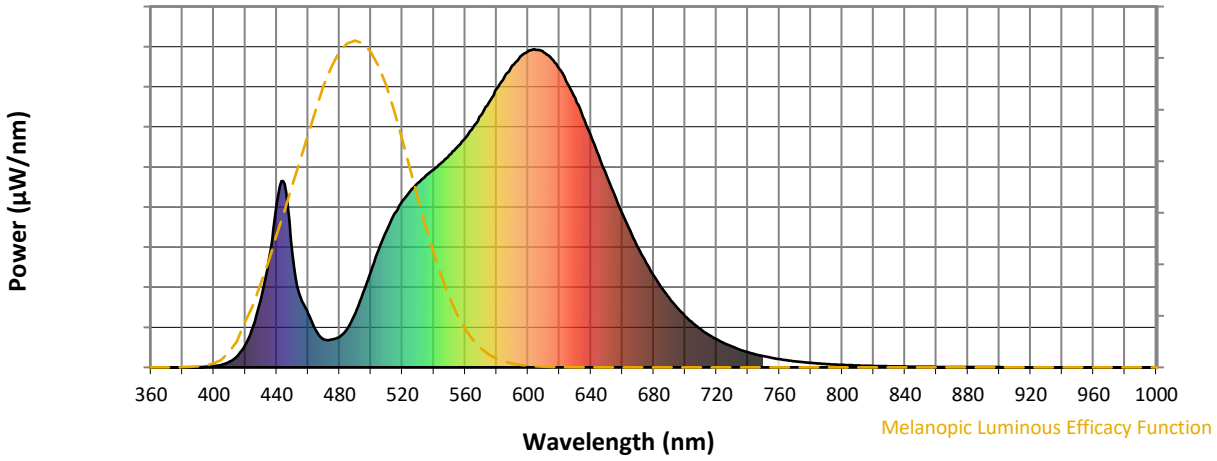


Scotopic Lumens: NR **S/P: 1.28**

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			

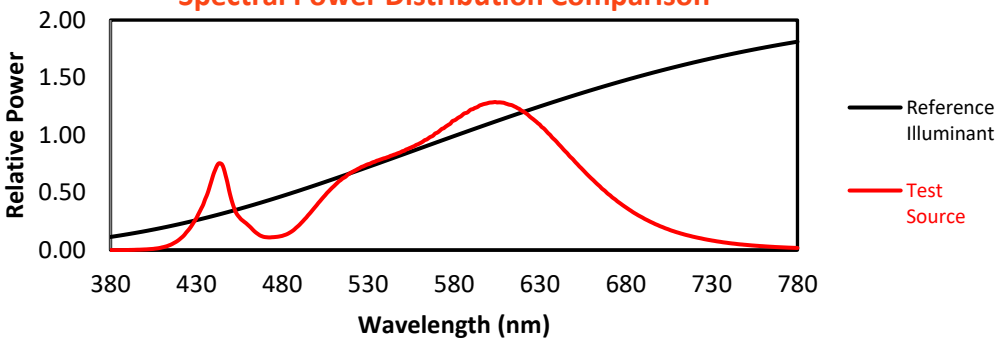
REPORT NUMBER: SP1-2407-184-9

TM-30-18

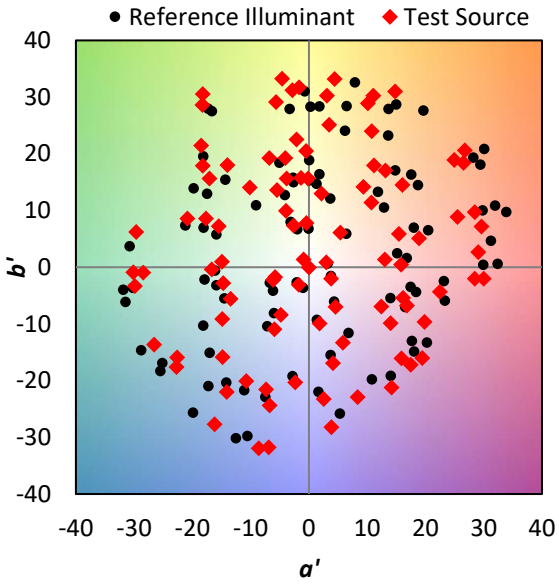
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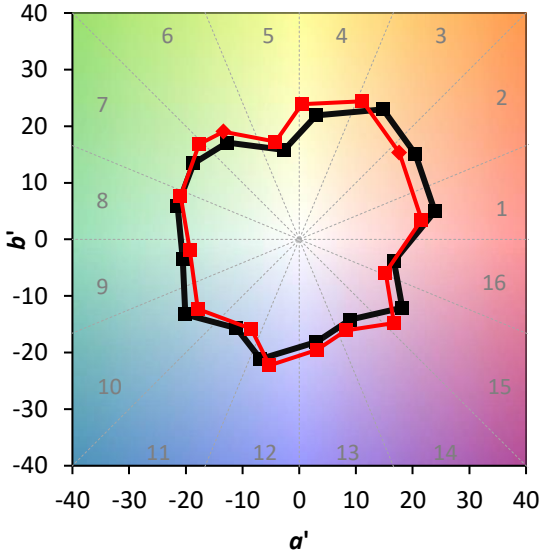
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

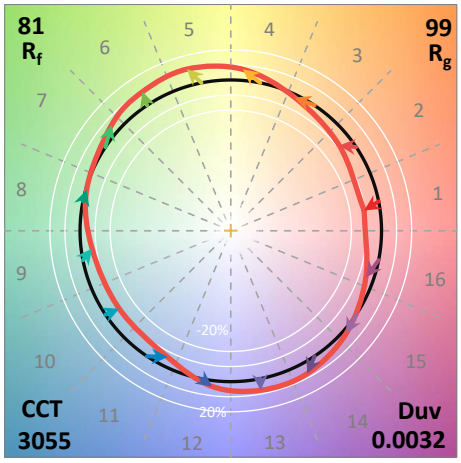
Spectral Power Distribution Comparison

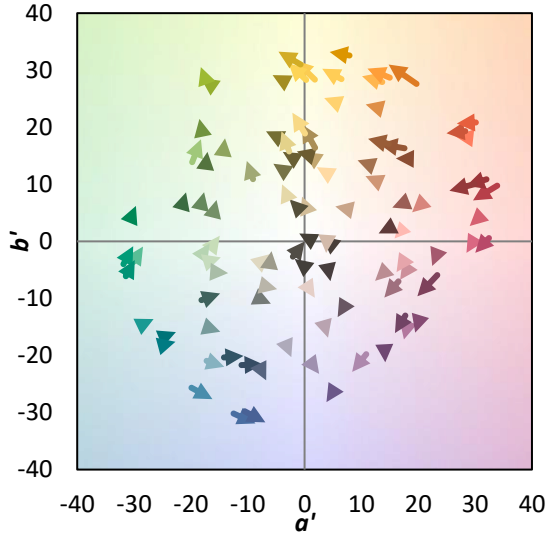


Color Vector Graphics







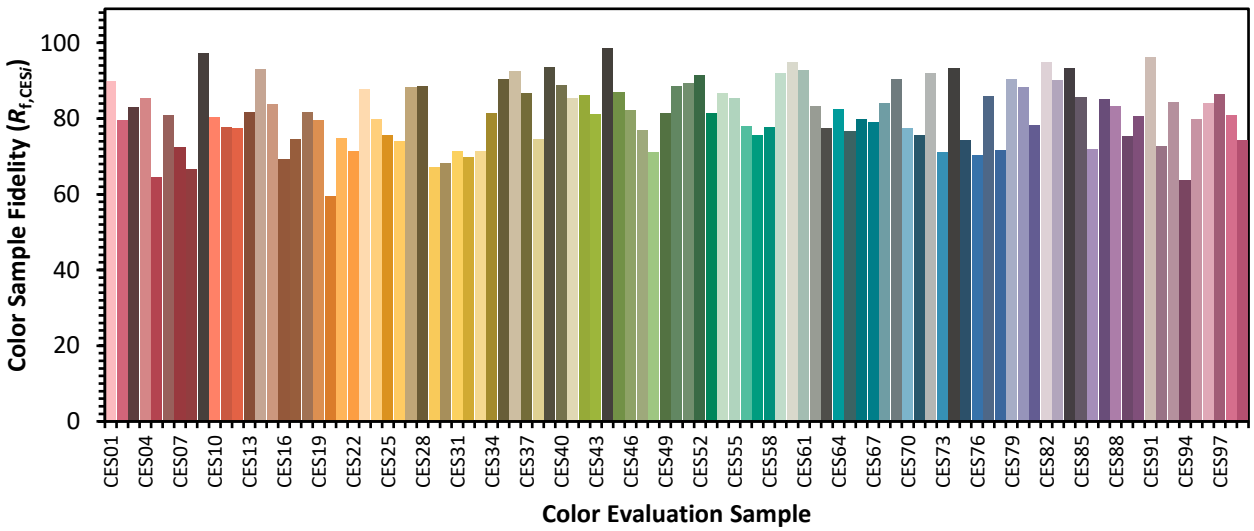


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Individual Sample Fidelity Index ($R_{f,i}$)

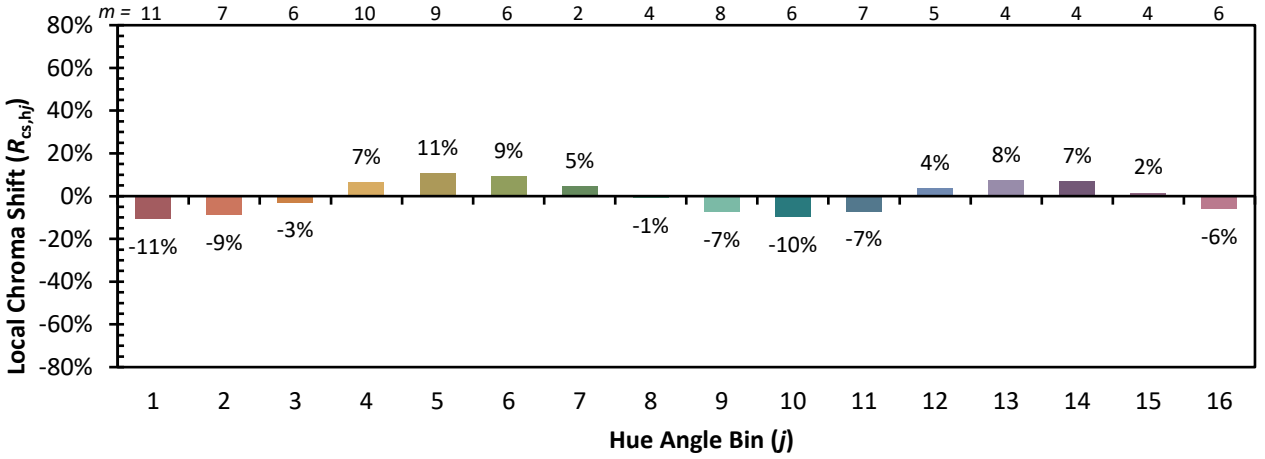
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

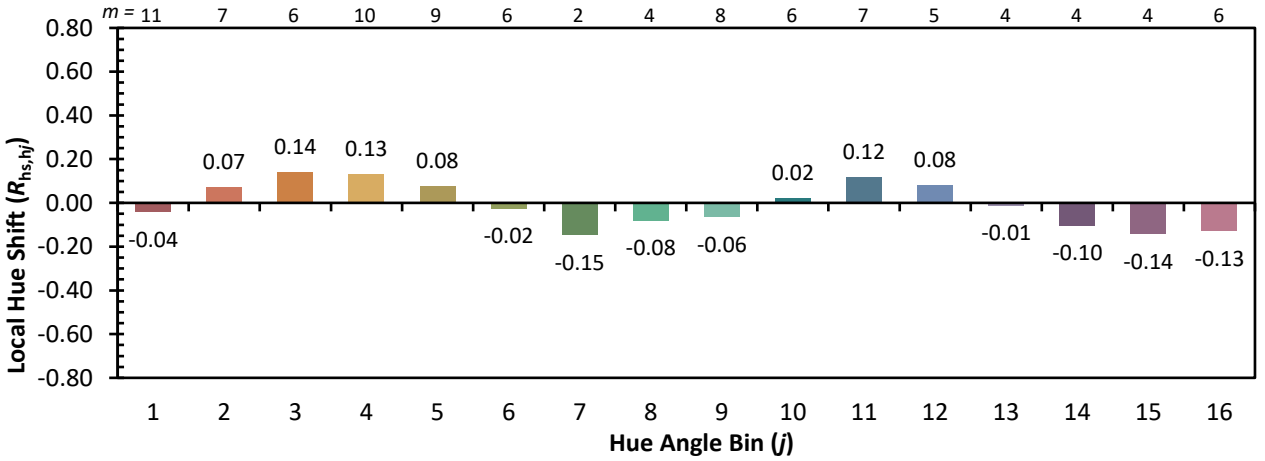


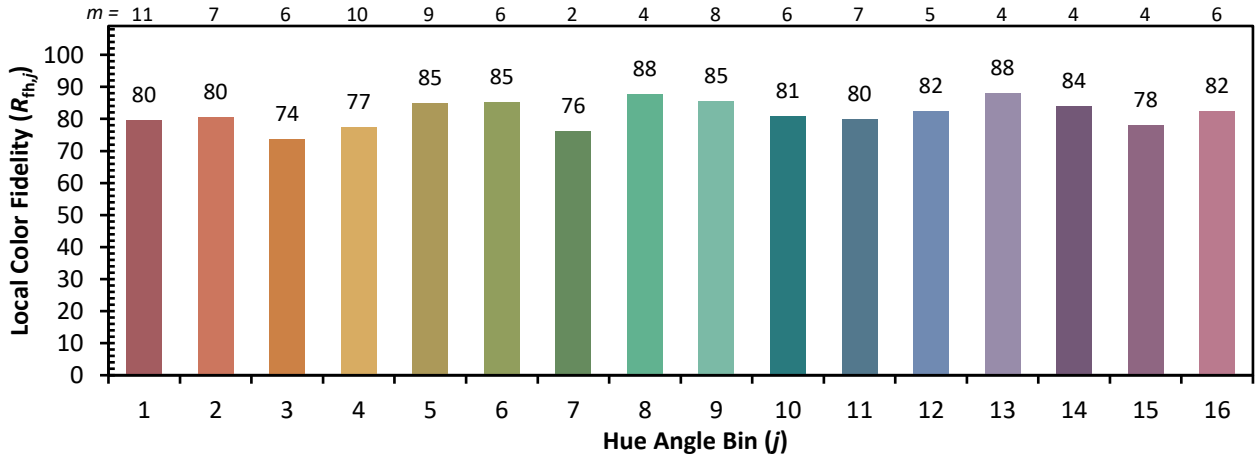
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Color Rendition by Hue-Angle Bin



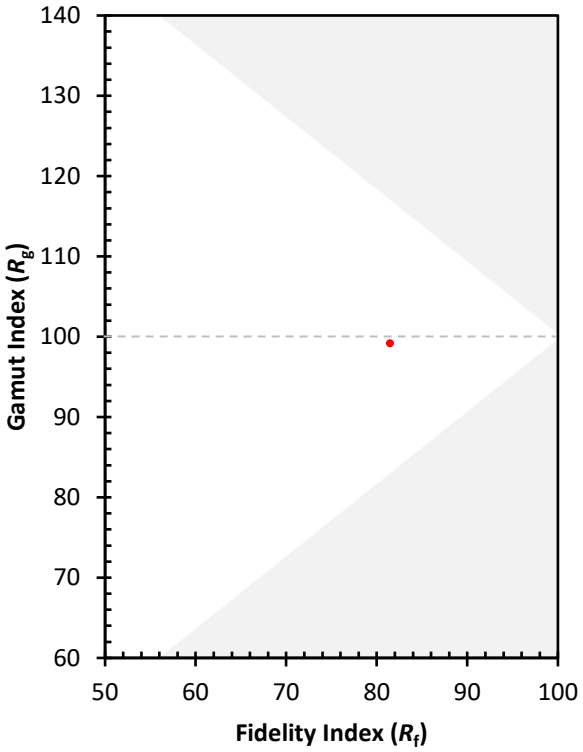


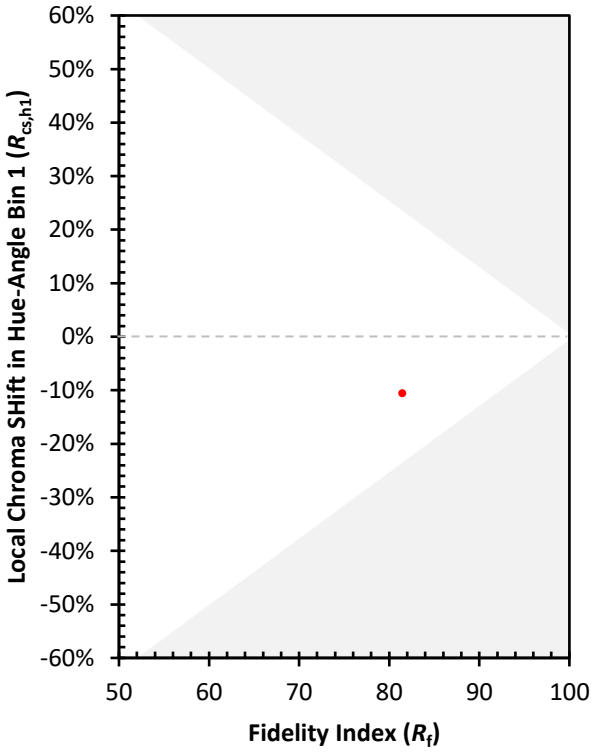


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Measure Comparisons





(END OF REPORT)