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: P1501911

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

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501911
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15162.5 lumens
Efficiency:	N/A
Efficacy:	101.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

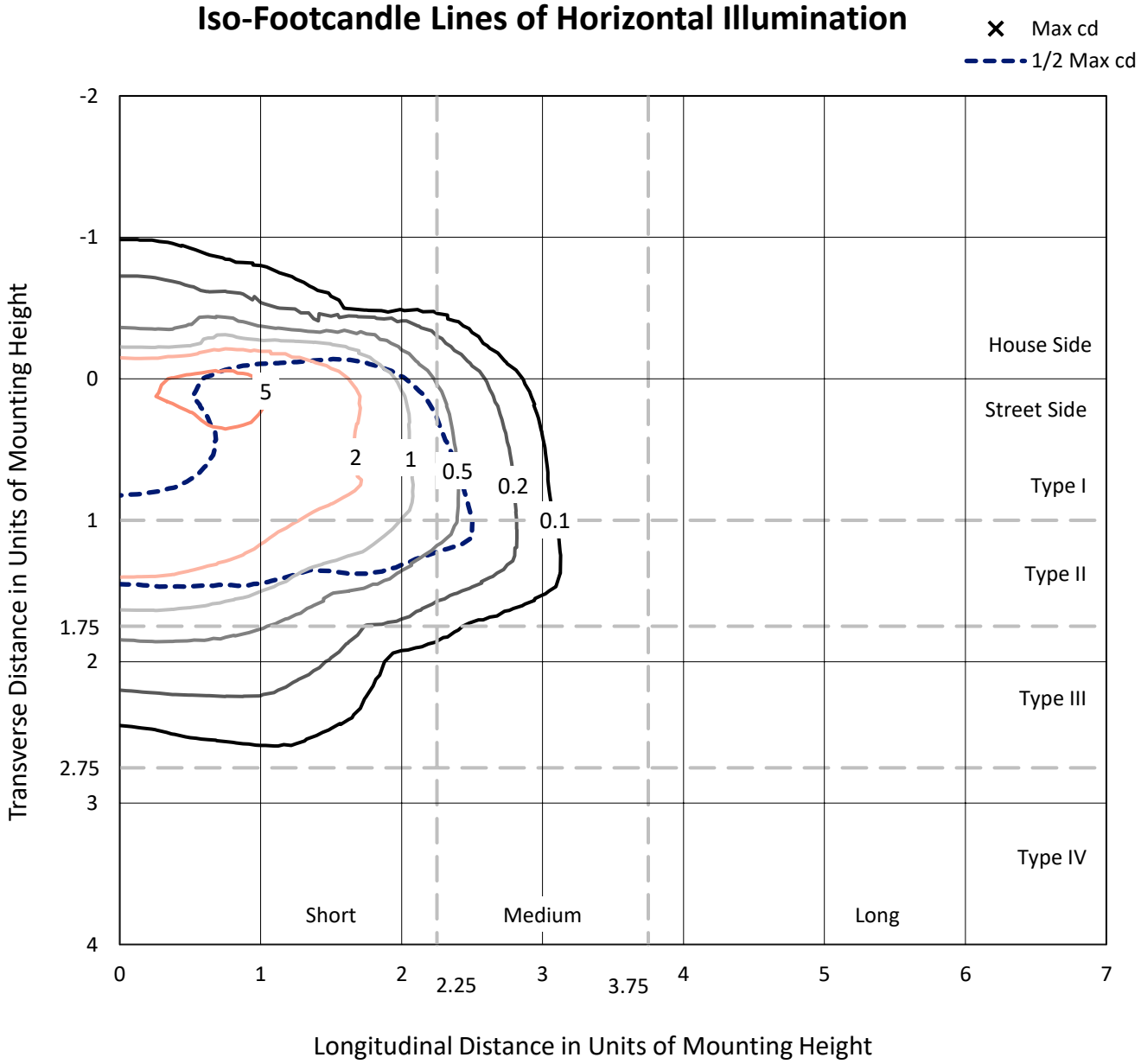
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



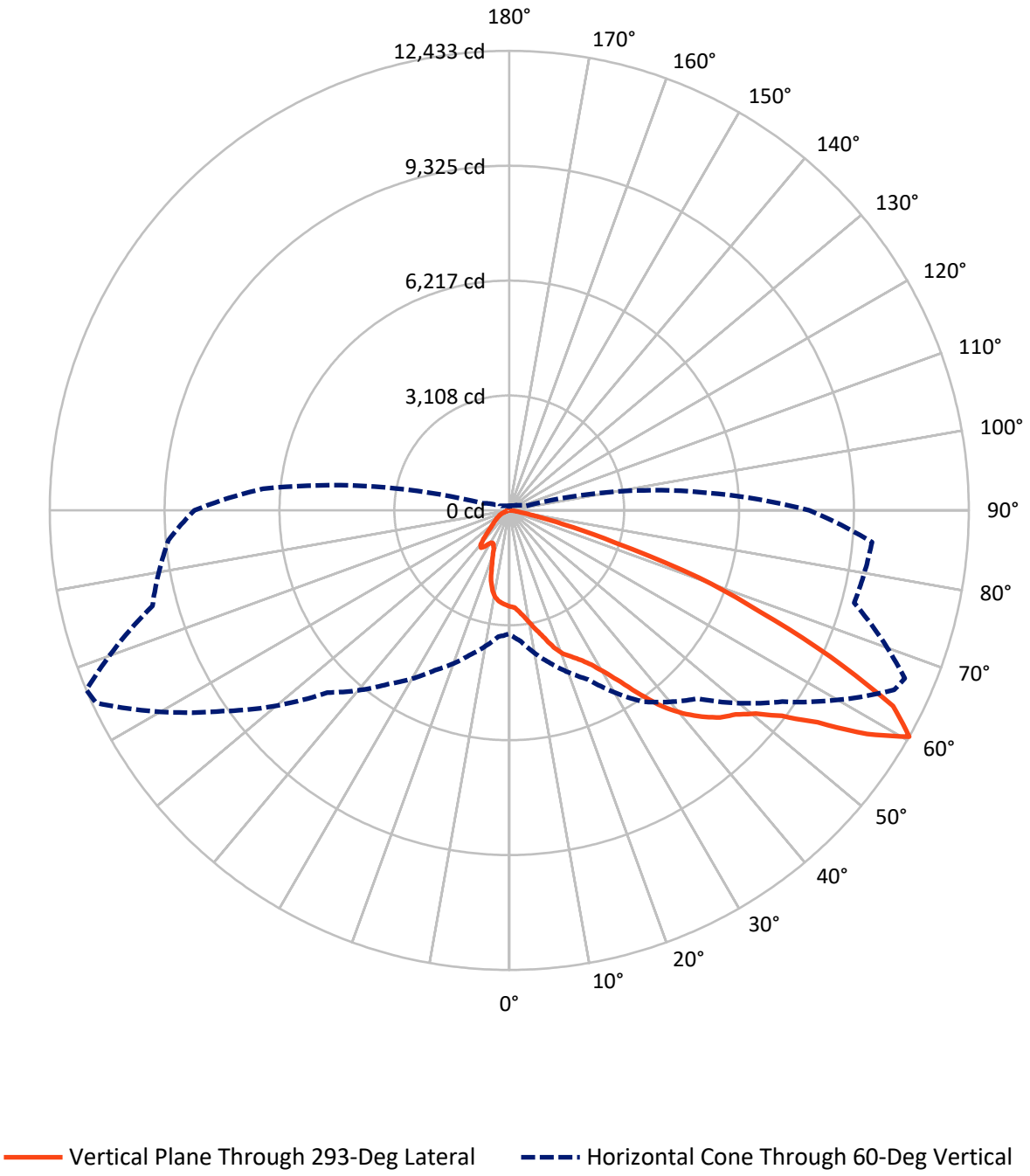
Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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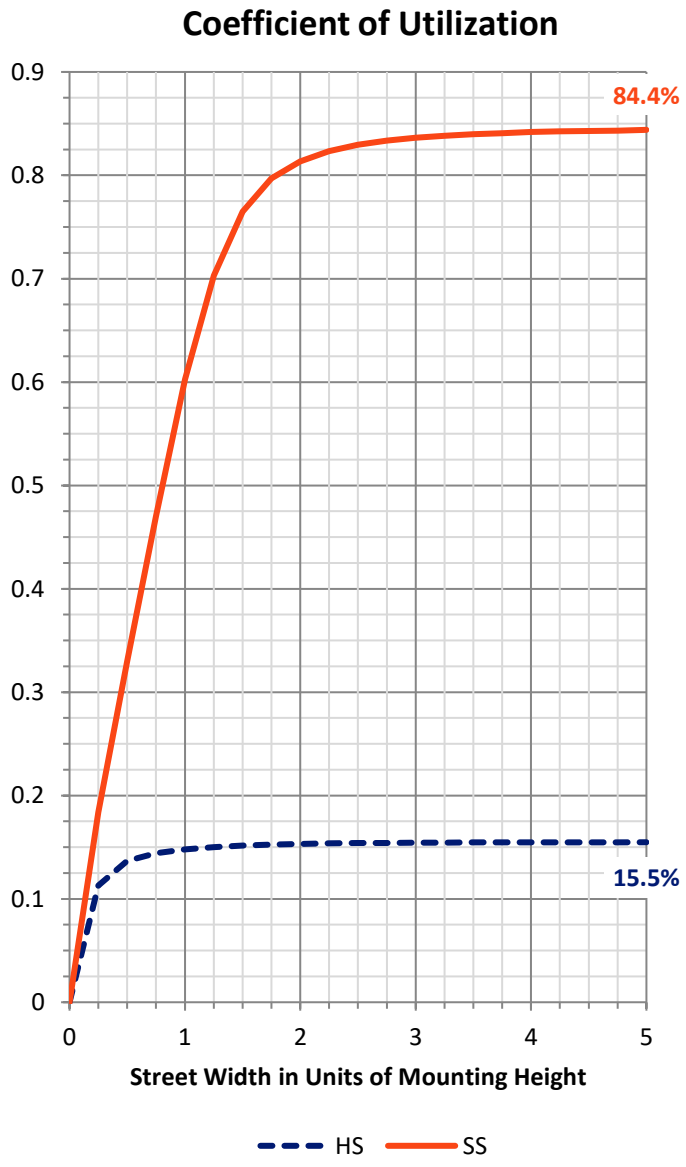
REPORT NUMBER: P1501911
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2365.7	0.0	2365.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	12796.8	0.0	12796.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	15162.5	0.0	15162.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	1.6
10°-20°	592.6	3.9
20°-30°	1106.3	7.3
30°-40°	2194.0	14.5
40°-50°	3498.0	23.1
50°-60°	4179.2	27.6
60°-70°	2739.7	18.1
70°-80°	574.0	3.8
80°-90°	43.4	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°	15162.5	100.0
0°-180°	15162.5	100.0



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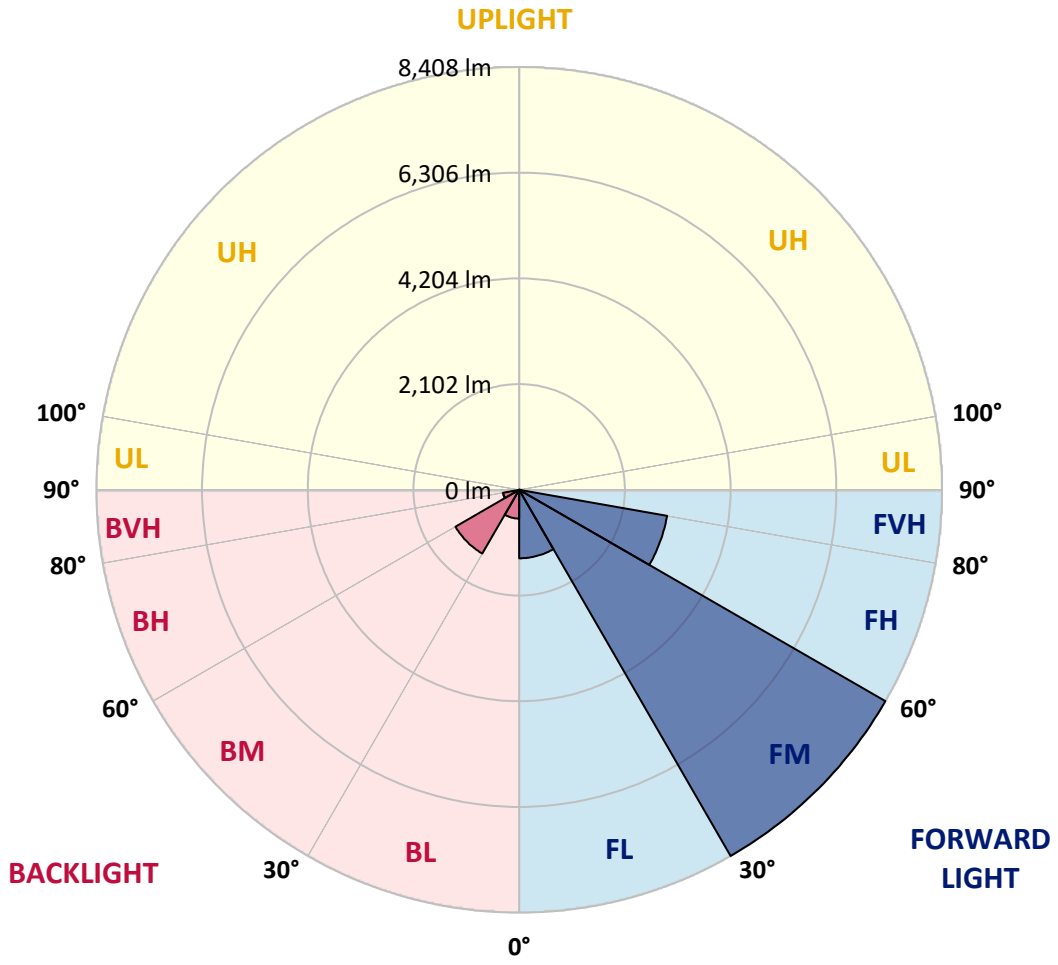
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1361.9	9.0			
FM	(30°-60°)	8408.2	55.5			
FH	(60°-80°)	2986.9	19.7			G2/5000
FVH	(80°-90°)	39.8	0.3			G1/100
BL	(0°-30°)	572.3	3.8	B2/1000		
BM	(30°-60°)	1463.0	9.6	B2/2500		
BH	(60°-80°)	326.8	2.2	B1/500		G1/500
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7
2.5°	2730.3	2721.8	2709.1	2713.3	2709.1	2692.1	2666.6	2645.4	2662.4	2636.9	2619.9
5°	2811.0	2811.0	2802.5	2802.5	2806.8	2798.3	2781.3	2751.6	2755.8	2734.6	2679.4
7.5°	2811.0	2798.3	2819.5	2840.7	2879.0	2900.2	2908.7	2891.7	2900.2	2857.7	2785.5
10°	2645.4	2636.9	2692.1	2772.8	2883.2	2980.9	3044.6	3048.8	3061.5	3019.1	2934.2
12.5°	2293.0	2276.0	2386.4	2539.3	2764.3	2989.4	3167.7	3235.6	3265.4	3248.4	3129.5
15°	1966.0	1987.2	2063.7	2229.3	2530.8	2874.7	3235.6	3460.7	3503.1	3524.4	3384.3
17.5°	1932.0	1936.3	1961.8	2042.4	2271.7	2687.9	3244.1	3694.2	3753.7	3847.1	3656.0
20°	2025.5	2017.0	2042.4	2067.9	2178.3	2522.3	3163.4	3919.3	4033.9	4233.5	4025.4
22.5°	2199.6	2199.6	2212.3	2229.3	2284.5	2509.5	3129.5	4127.3	4322.7	4730.3	4488.3
25°	2492.5	2458.6	2467.1	2445.8	2492.5	2662.4	3205.9	4292.9	4560.5	5282.3	5040.3
27.5°	2946.9	2959.6	2883.2	2768.5	2794.0	2938.4	3392.7	4479.8	4806.7	5855.6	5600.8
30°	3575.3	3554.1	3507.4	3282.3	3180.4	3307.8	3736.7	4785.5	5137.9	6581.7	6348.1
32.5°	4067.9	4127.3	4046.7	3889.6	3732.4	3770.7	4220.8	5278.1	5541.3	7248.3	7120.9
35°	4662.4	4662.4	4679.4	4458.6	4352.4	4343.9	4828.0	5813.1	6076.4	7851.3	7940.5
37.5°	5464.9	5409.7	5316.3	5070.0	4989.3	5095.5	5397.0	6365.1	6649.6	8339.6	8577.4
40°	6140.1	6178.3	6165.5	5808.9	5651.7	5766.4	6033.9	6836.4	7057.2	8653.8	9091.2
42.5°	6802.5	6823.7	6768.5	6598.7	6369.4	6377.9	6598.7	7193.1	7418.2	8955.3	9575.3
45°	7299.3	7295.0	7256.8	7214.4	7078.5	6938.4	6976.6	7588.0	7783.4	9053.0	9838.5
47.5°	7456.4	7490.4	7524.3	7643.2	7736.6	7515.8	7320.5	7800.3	7978.7	9036.0	9936.2
50°	7312.0	7384.2	7549.8	7728.2	8046.6	8029.6	7609.3	8029.6	8203.7	9129.4	10050.8
52.5°	6989.3	7061.5	7282.3	7605.0	8084.8	8322.6	8144.3	8416.0	8619.9	9367.2	10288.6
55°	6237.7	6267.4	6721.8	7146.4	7893.8	8195.2	8717.5	9070.0	9239.8	9655.9	10602.9
57.5°	5078.5	5150.7	5596.5	6288.7	7358.7	7859.8	9044.5	10186.7	10182.5	9932.0	10670.8
60°	*3341.8*	*3554.1*	*4280.2*	*5044.5*	*6322.7*	*7201.6*	*9023.3*	*11494.6*	*11626.2*	*9660.2*	*9851.3*
62.5°	2552.0	2641.2	3053.0	3690.0	4679.4	5970.2	8883.1	11885.2	11987.1	8929.8	8624.1
65°	1919.3	2029.7	2424.6	2993.6	3303.6	4046.7	7965.9	10331.1	10471.2	7970.2	6704.8
67.5°	1176.2	1265.4	1791.9	2458.6	2501.0	2513.8	5375.7	7825.8	7876.8	6428.8	4513.8
70°	785.6	874.7	1239.9	1889.6	1991.5	1448.0	2951.1	5923.5	5919.3	4399.1	2743.1
72.5°	454.3	496.8	785.6	1392.8	1566.9	921.4	1473.4	3766.4	3600.8	2067.9	1282.4
75°	259.0	288.7	433.1	896.0	1099.8	586.0	581.7	2017.0	1783.4	1065.8	700.6
77.5°	157.1	169.8	237.8	586.0	662.4	394.9	322.7	938.4	904.4	624.2	369.4
80°	76.4	89.2	144.4	343.9	424.6	212.3	195.3	369.4	394.9	343.9	195.3
82.5°	25.5	34.0	80.7	131.6	276.0	84.9	80.7	203.8	216.6	203.8	93.4
85°	12.7	17.0	38.2	42.5	106.2	42.5	29.7	89.2	110.4	67.9	38.2
87.5°	0.0	4.2	4.2	4.2	4.2	4.2	4.2	8.5	8.5	8.5	8.5
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°	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7
2.5°	2607.2	2598.7	2581.7	2552.0	2547.7	2526.5	2492.5	2471.3	2454.3	2467.1	2471.3
5°	2653.9	2632.7	2581.7	2501.0	2416.1	2331.2	2250.5	2157.1	2093.4	2084.9	2067.9
7.5°	2738.8	2696.4	2586.0	2428.8	2212.3	2008.5	1770.7	1541.4	1426.7	1409.8	1371.5
10°	2874.7	2802.5	2619.9	2301.5	1885.3	1460.7	1099.8	853.5	713.4	687.9	696.4
12.5°	3036.1	2934.2	2624.2	2084.9	1435.2	904.4	624.2	530.8	501.1	488.3	488.3
15°	3244.1	3095.5	2619.9	1804.7	968.1	581.7	501.1	462.8	450.1	441.6	441.6
17.5°	3507.4	3312.1	2590.2	1384.3	653.9	505.3	458.6	428.9	411.9	407.6	407.6
20°	3817.4	3554.1	2522.3	1031.8	547.8	471.3	433.1	394.9	382.2	373.7	373.7
22.5°	4212.3	3847.1	2390.6	802.5	518.0	450.1	407.6	365.2	352.4	343.9	343.9
25°	4670.9	4220.8	2216.5	721.9	513.8	433.1	382.2	339.7	327.0	322.7	318.5
27.5°	5214.4	4619.9	2055.2	726.1	522.3	420.4	356.7	318.5	305.7	293.0	297.2
30°	5855.6	5031.8	1923.5	777.1	530.8	407.6	339.7	305.7	293.0	276.0	276.0
32.5°	6488.3	5515.9	1910.8	870.5	560.5	399.1	322.7	288.7	276.0	263.3	263.3
35°	7137.9	5957.5	1983.0	993.6	620.0	386.4	301.5	271.8	259.0	250.5	246.3
37.5°	7757.9	6309.9	2050.9	1070.1	586.0	331.2	276.0	250.5	237.8	220.8	220.8
40°	8169.8	6501.0	2063.7	1010.6	484.1	297.2	250.5	225.1	208.1	199.6	195.3
42.5°	8471.2	6624.1	1919.3	819.5	420.4	271.8	229.3	203.8	191.1	182.6	182.6
45°	8594.4	6581.7	1673.0	624.2	386.4	250.5	208.1	186.8	178.3	169.8	169.8
47.5°	8577.4	6386.3	1422.5	501.1	352.4	229.3	195.3	178.3	169.8	161.4	157.1
50°	8547.7	6203.8	1167.7	445.9	314.2	216.6	182.6	169.8	157.1	148.6	144.4
52.5°	8743.0	6144.3	968.1	407.6	293.0	208.1	178.3	161.4	148.6	140.1	140.1
55°	8938.3	6169.8	760.1	382.2	271.8	203.8	174.1	157.1	144.4	131.6	131.6
57.5°	8925.6	6059.4	577.5	356.7	254.8	199.6	169.8	152.9	131.6	123.1	123.1
60°	*8114.6*	*5405.5*	*450.1*	*327.0*	*233.5*	*186.8*	*157.1*	*144.4*	*123.1*	*110.4*	*110.4*
62.5°	6861.9	4250.5	369.4	288.7	208.1	169.8	144.4	131.6	110.4	89.2	89.2
65°	5070.0	3065.8	297.2	250.5	191.1	148.6	131.6	114.6	89.2	72.2	67.9
67.5°	3431.0	1885.3	237.8	208.1	169.8	127.4	110.4	97.7	80.7	59.4	55.2
70°	2033.9	1002.1	174.1	144.4	127.4	93.4	93.4	84.9	67.9	51.0	46.7
72.5°	968.1	348.2	127.4	106.2	97.7	67.9	72.2	72.2	55.2	38.2	34.0
75°	492.6	169.8	84.9	76.4	63.7	51.0	59.4	55.2	38.2	25.5	25.5
77.5°	280.3	118.9	59.4	51.0	42.5	34.0	38.2	34.0	21.2	12.7	12.7
80°	157.1	84.9	38.2	34.0	25.5	21.2	21.2	17.0	12.7	4.2	4.2
82.5°	59.4	51.0	25.5	17.0	12.7	12.7	8.5	8.5	4.2	0.0	0.0
85°	25.5	12.7	12.7	8.5	8.5	4.2	4.2	4.2	0.0	0.0	0.0
87.5°	4.2	4.2	4.2	4.2	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°	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7
2.5°	2437.3	2445.8	2454.3	2488.3	2496.8	2522.3	2543.5	2569.0	2573.2	2607.2	2607.2
5°	2101.9	2097.6	2169.8	2276.0	2343.9	2437.3	2509.5	2586.0	2628.4	2683.6	2709.1
7.5°	1392.8	1498.9	1660.3	1847.1	2089.1	2314.2	2484.0	2632.7	2734.6	2798.3	2823.7
10°	692.1	751.6	921.4	1227.2	1639.0	2097.6	2458.6	2734.6	2900.2	2972.4	3019.1
12.5°	488.3	501.1	530.8	696.4	1091.3	1741.0	2377.9	2845.0	3074.3	3210.2	3269.6
15°	437.4	445.9	458.6	505.3	675.2	1299.3	2233.5	2968.1	3346.0	3503.1	3579.6
17.5°	403.4	407.6	420.4	458.6	530.8	883.2	2000.0	3099.8	3673.0	3864.1	4008.4
20°	373.7	373.7	386.4	433.1	492.6	679.4	1664.5	3248.4	4089.1	4365.1	4509.5
22.5°	339.7	348.2	356.7	407.6	479.8	620.0	1350.3	3363.0	4552.0	4887.4	5057.3
25°	314.2	322.7	331.2	382.2	467.1	620.0	1167.7	3435.2	5070.0	5469.2	5702.7
27.5°	293.0	301.5	314.2	365.2	454.3	645.4	1095.5	3456.4	5634.8	6152.8	6467.0
30°	276.0	284.5	297.2	352.4	462.8	675.2	1121.0	3426.7	6208.0	6857.7	7231.3
32.5°	259.0	267.5	280.3	339.7	462.8	713.4	1205.9	3367.3	6764.3	7562.6	8021.1
35°	246.3	250.5	254.8	305.7	420.4	709.1	1312.1	3307.8	7324.8	8258.9	8794.0
37.5°	220.8	225.1	233.5	263.3	335.5	645.4	1333.3	3235.6	7766.4	8844.9	9435.1
40°	195.3	203.8	212.3	242.0	280.3	522.3	1239.9	3082.8	7999.9	9295.0	10012.6
42.5°	178.3	182.6	191.1	220.8	259.0	416.1	1040.3	2815.3	8208.0	9600.7	10433.0
45°	165.6	169.8	178.3	199.6	242.0	360.9	819.5	2488.3	8225.0	9698.4	10636.8
47.5°	152.9	157.1	161.4	182.6	233.5	322.7	628.4	2191.1	8220.7	9825.8	10810.9
50°	144.4	148.6	157.1	174.1	220.8	288.7	518.0	1949.0	8399.1	10101.8	11163.4
52.5°	140.1	140.1	152.9	169.8	208.1	263.3	433.1	1732.5	8492.5	10373.6	11418.1
55°	131.6	135.9	144.4	161.4	195.3	250.5	369.4	1460.7	8534.9	10509.4	11464.8
57.5°	123.1	127.4	140.1	152.9	186.8	237.8	318.5	1091.3	7927.7	9800.3	10683.5
60°	*110.4*	*118.9*	*135.9*	*148.6*	*174.1*	*216.6*	*280.3*	*738.8*	*6687.8*	*8518.0*	*9256.8*
62.5°	89.2	106.2	123.1	131.6	157.1	182.6	237.8	492.6	5341.8	7048.8	7889.5
65°	67.9	89.2	101.9	114.6	131.6	152.9	199.6	335.5	3562.6	4743.0	5690.0
67.5°	59.4	76.4	84.9	93.4	110.4	131.6	161.4	233.5	2161.3	2849.2	3783.4
70°	46.7	63.7	72.2	67.9	84.9	101.9	114.6	157.1	1104.0	1545.6	2152.8
72.5°	34.0	51.0	55.2	55.2	51.0	72.2	84.9	110.4	479.8	751.6	976.6
75°	25.5	34.0	38.2	34.0	29.7	46.7	59.4	72.2	314.2	450.1	569.0
77.5°	12.7	12.7	21.2	21.2	12.7	25.5	29.7	42.5	178.3	263.3	327.0
80°	4.2	0.0	0.0	4.2	0.0	8.5	12.7	21.2	93.4	140.1	203.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	46.7	42.5	106.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	25.5
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: P1501911
CATALOG NUMBER: GSS-SB3C-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7	2598.7
2.5°	2628.4	2628.4	2645.4	2670.9	2683.6	2692.1	2696.4	2704.9	2738.8	2730.3
5°	2738.8	2747.3	2760.1	2785.5	2815.3	2806.8	2806.8	2806.8	2828.0	2811.0
7.5°	2883.2	2908.7	2912.9	2942.6	2921.4	2879.0	2853.5	2815.3	2811.0	2811.0
10°	3116.7	3108.2	3108.2	3070.0	2993.6	2870.5	2760.1	2683.6	2641.2	2645.4
12.5°	3367.3	3333.3	3337.5	3197.4	2980.9	2709.1	2484.0	2318.4	2305.7	2293.0
15°	3677.2	3588.1	3571.1	3248.4	2789.8	2373.6	2152.8	2021.2	1978.7	1966.0
17.5°	4118.9	3893.8	3813.1	3159.2	2539.3	2165.6	2000.0	1940.5	1936.3	1932.0
20°	4585.9	4140.1	3987.2	3027.6	2454.3	2169.8	2046.7	2029.7	2021.2	2025.5
22.5°	5129.5	4297.2	4101.9	3048.8	2530.8	2310.0	2212.3	2199.6	2191.1	2199.6
25°	5690.0	4479.8	4237.7	3218.6	2760.1	2569.0	2454.3	2428.8	2454.3	2492.5
27.5°	6254.7	4726.1	4505.3	3554.1	3129.5	2921.4	2811.0	2904.4	2942.6	2946.9
30°	6755.8	5070.0	4866.2	4025.4	3549.9	3341.8	3363.0	3481.9	3528.6	3575.3
32.5°	7214.4	5528.6	5371.5	4560.5	4093.4	3970.2	3957.5	4046.7	4097.6	4067.9
35°	7677.2	6127.3	5974.5	5142.2	4760.0	4658.1	4552.0	4726.1	4709.1	4662.4
37.5°	8114.6	6730.3	6590.2	5766.4	5371.5	5193.2	5176.2	5333.3	5473.4	5464.9
40°	8428.8	7218.6	7048.8	6386.3	6012.7	5859.8	5949.0	6220.7	6186.8	6140.1
42.5°	8717.5	7634.7	7481.9	6929.9	6539.2	6607.1	6687.8	6870.4	6849.2	6802.5
45°	8853.4	7991.4	7859.8	7341.7	7150.7	7367.2	7363.0	7430.9	7316.3	7299.3
47.5°	9044.5	8246.2	8110.3	7711.2	7881.0	7970.2	7719.7	7647.5	7541.3	7456.4
50°	9396.9	8641.1	8505.2	8271.7	8416.0	8140.0	7834.3	7677.2	7460.6	7312.0
52.5°	9808.8	9239.8	9120.9	9027.5	8624.1	8055.1	7664.5	7380.0	7116.7	6989.3
55°	10326.9	10123.0	10038.1	9524.3	8437.3	7706.9	7248.3	6717.6	6356.6	6237.7
57.5°	10496.7	11418.1	11388.4	9605.0	7915.0	7074.2	6246.2	5528.6	5154.9	5078.5
60°	9995.6	12433.0	12326.8	9469.1	6968.1	5740.9	4772.8	4038.2	3431.0	3341.8
62.5°	9354.5	11655.9	11617.7	8785.5	5307.8	4114.6	3566.8	2879.0	2619.9	2552.0
65°	8012.7	9537.1	9554.0	7048.8	3358.8	2955.4	2929.9	2288.7	1970.3	1919.3
67.5°	6169.8	7316.3	7197.4	4433.1	1957.5	2365.2	2339.7	1673.0	1210.2	1176.2
70°	3605.1	5447.9	5256.8	2305.7	1295.1	1974.5	1800.4	1176.2	823.8	785.6
72.5°	1592.3	2997.8	3218.6	1014.9	912.9	1571.1	1299.3	721.9	462.8	454.3
75°	883.2	1486.2	1554.1	441.6	641.2	1116.8	785.6	403.4	263.3	259.0
77.5°	530.8	658.2	641.2	284.5	479.8	713.4	475.6	229.3	165.6	157.1
80°	297.2	301.5	254.8	208.1	284.5	399.1	267.5	144.4	76.4	76.4
82.5°	182.6	165.6	131.6	63.7	76.4	242.0	97.7	80.7	25.5	25.5
85°	76.4	51.0	34.0	12.7	29.7	63.7	34.0	38.2	12.7	12.7
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: SP1-2407-184-9

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

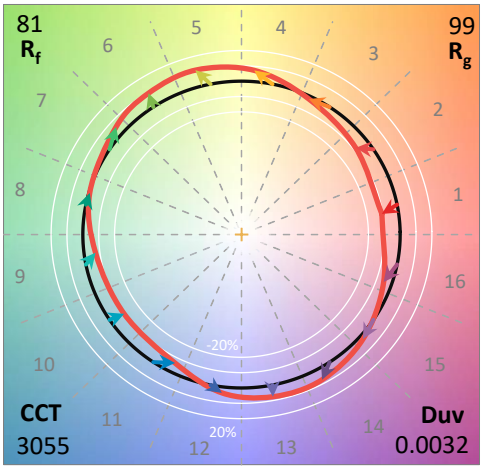
Test Information

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

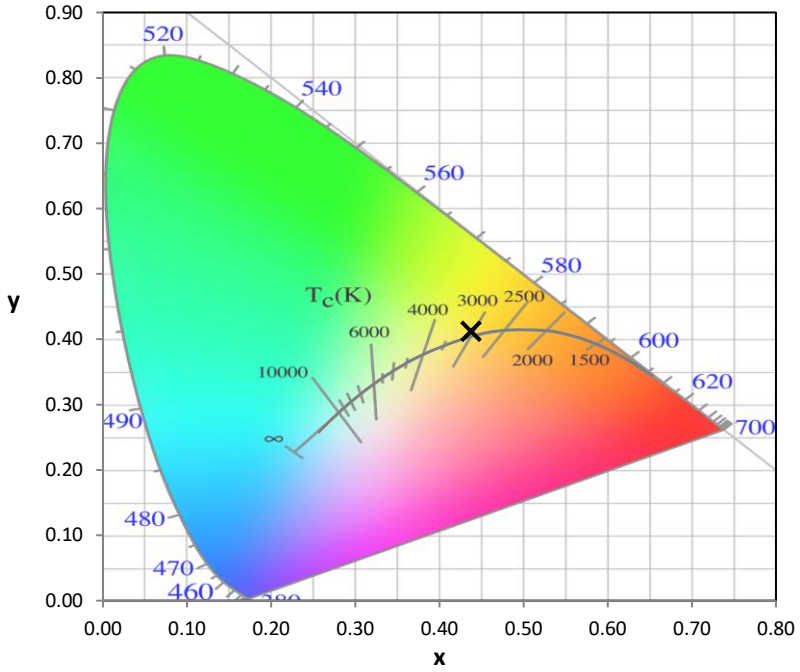
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

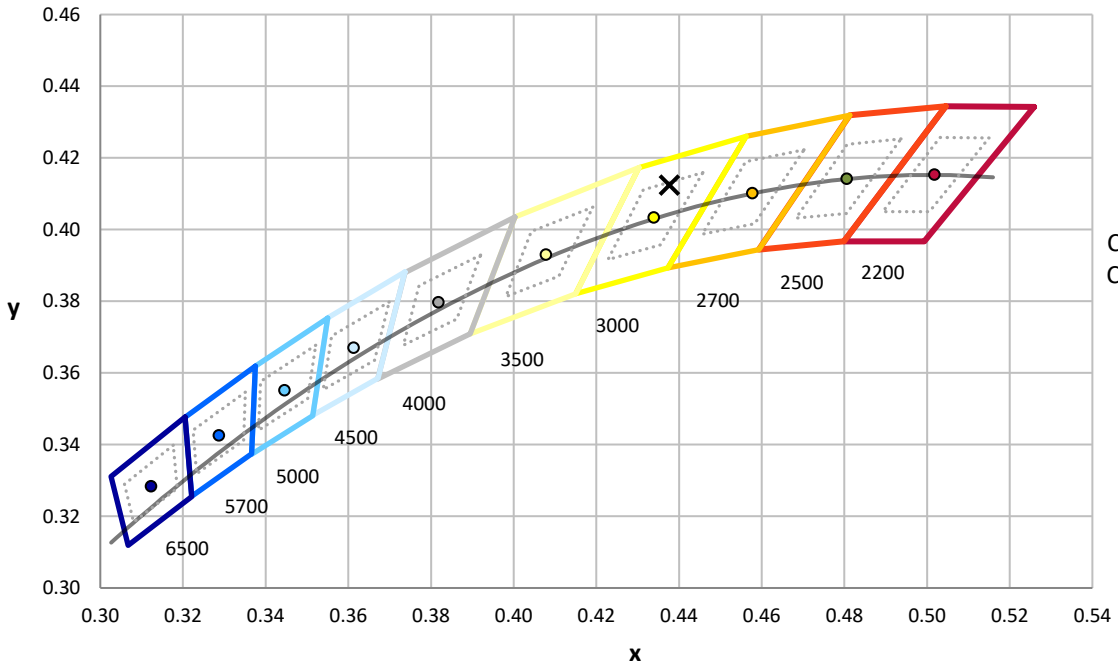
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

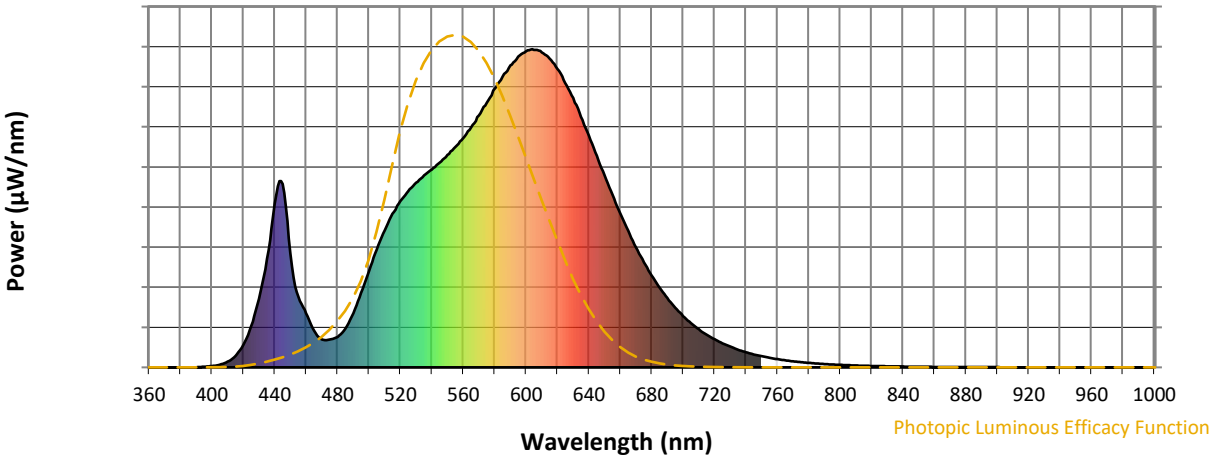


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

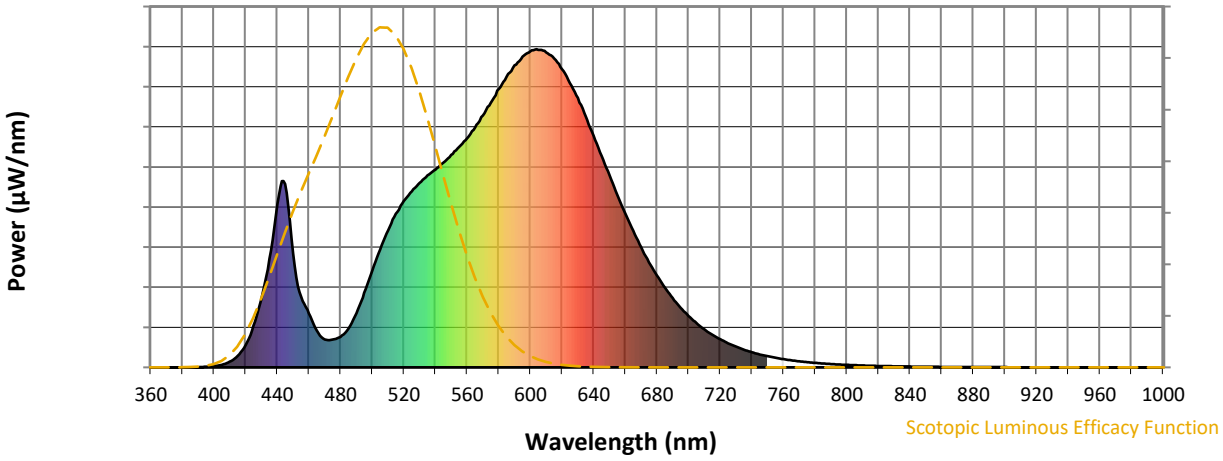


Photopic Lumens: NR

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

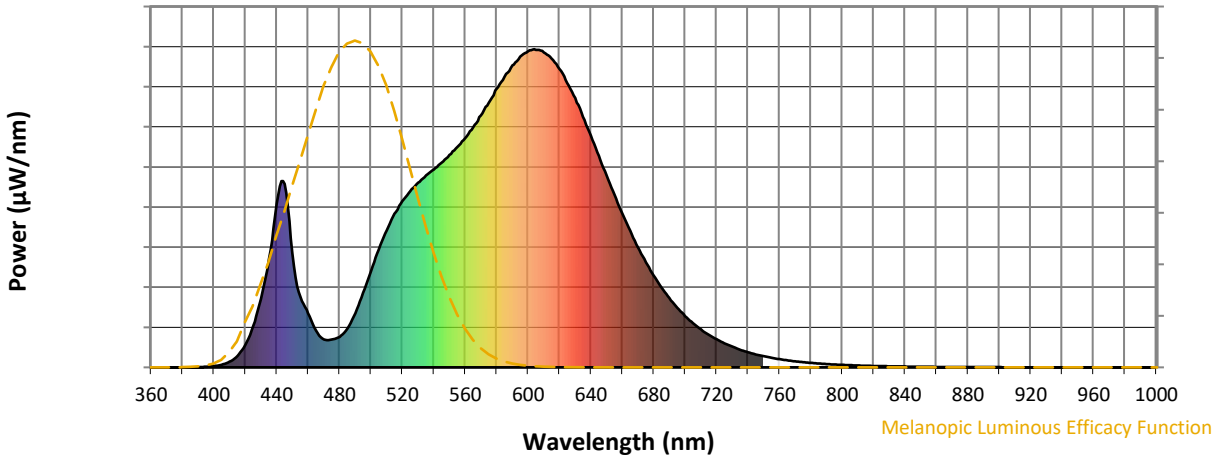


Scotopic Lumens: NR **S/P: 1.28**

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			

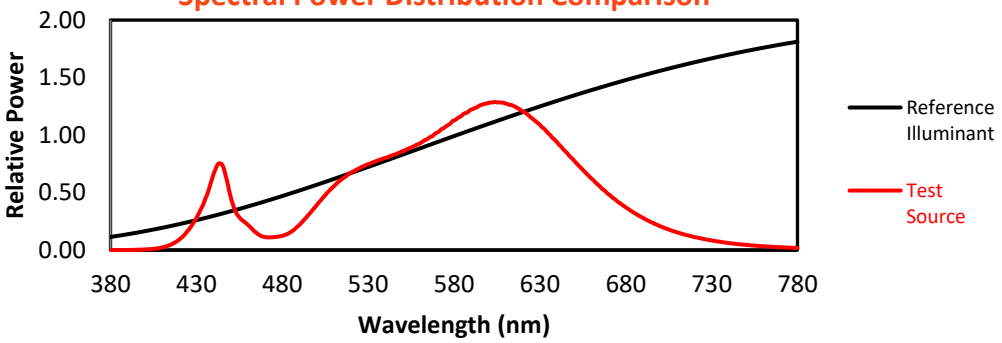
REPORT NUMBER: SP1-2407-184-9

TM-30-18

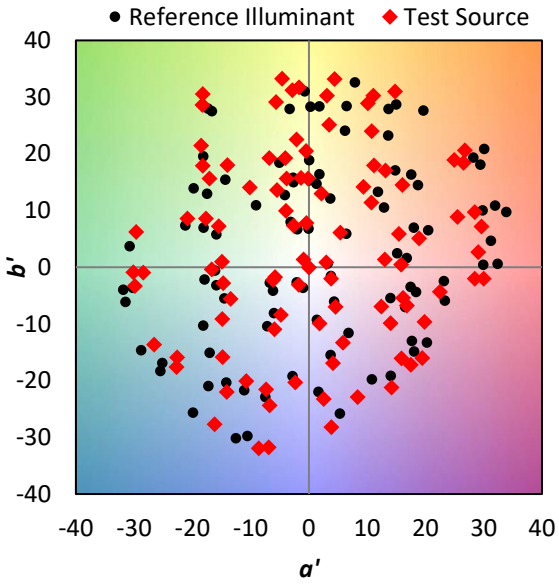
Summary

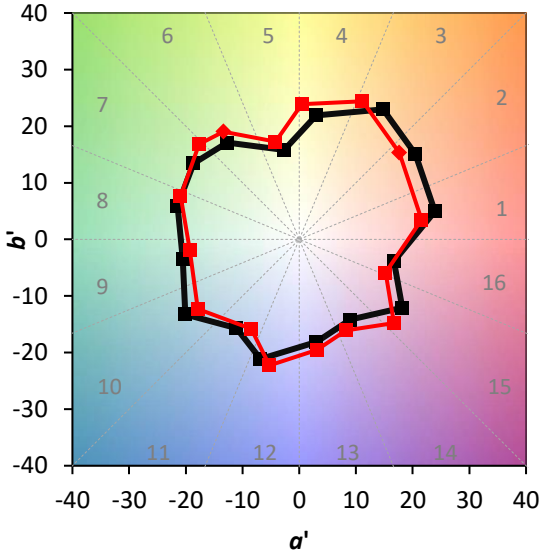
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

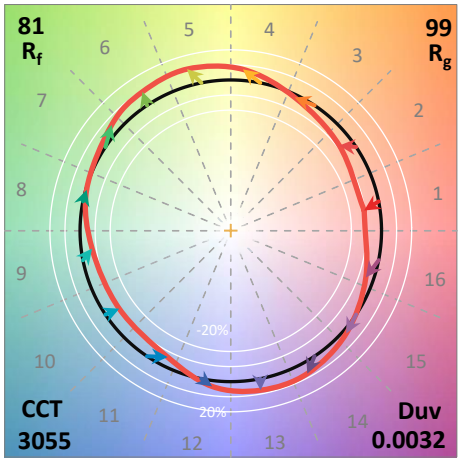
Spectral Power Distribution Comparison

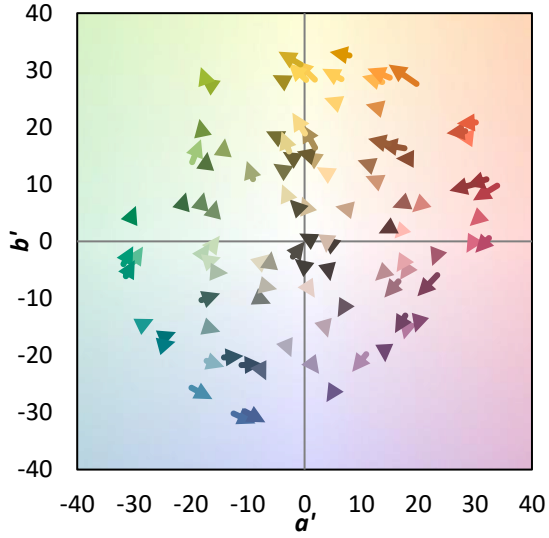


Color Vector Graphics







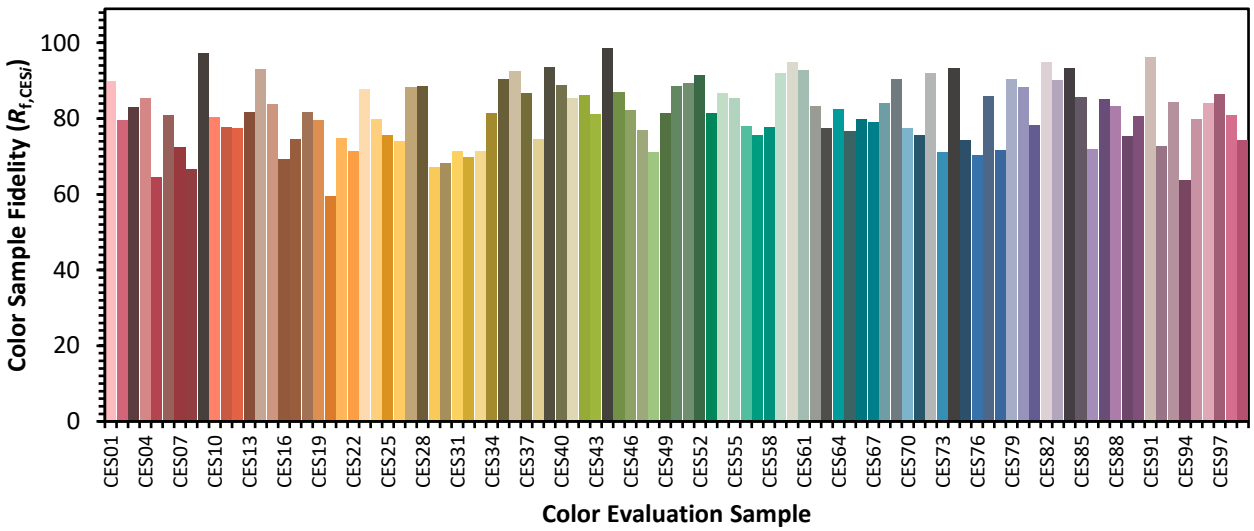


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Individual Sample Fidelity Index ($R_{f,i}$)

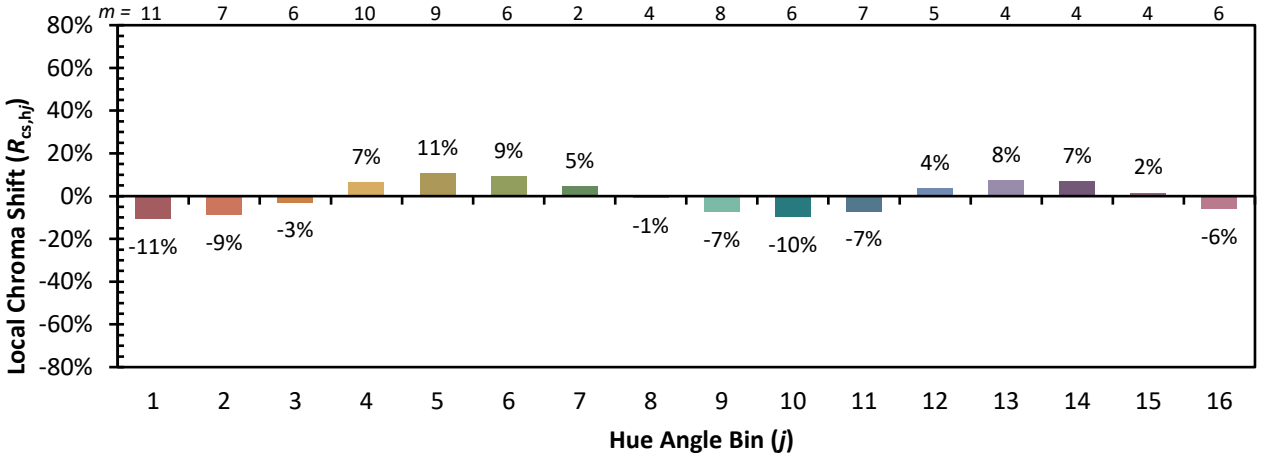
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

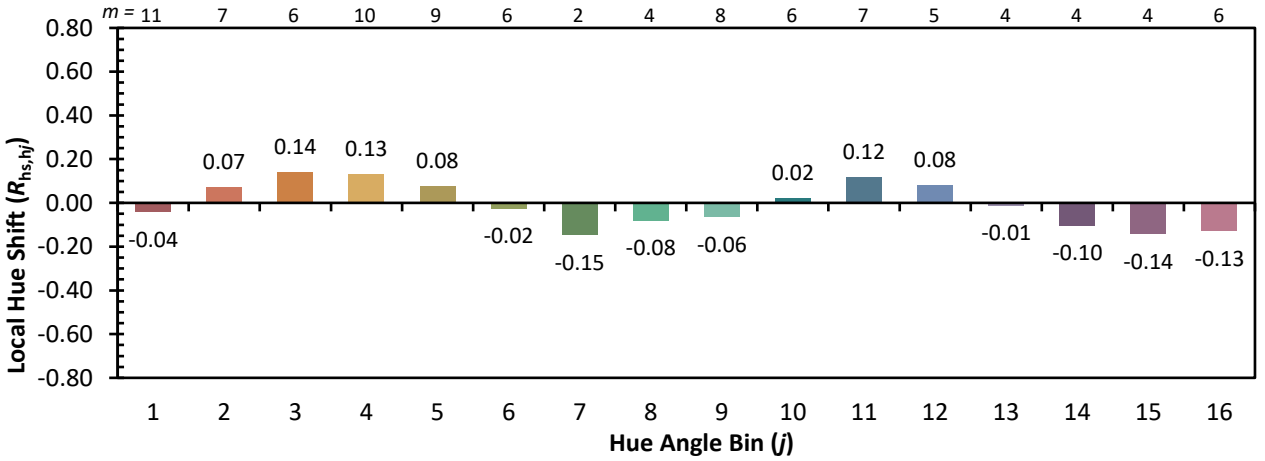


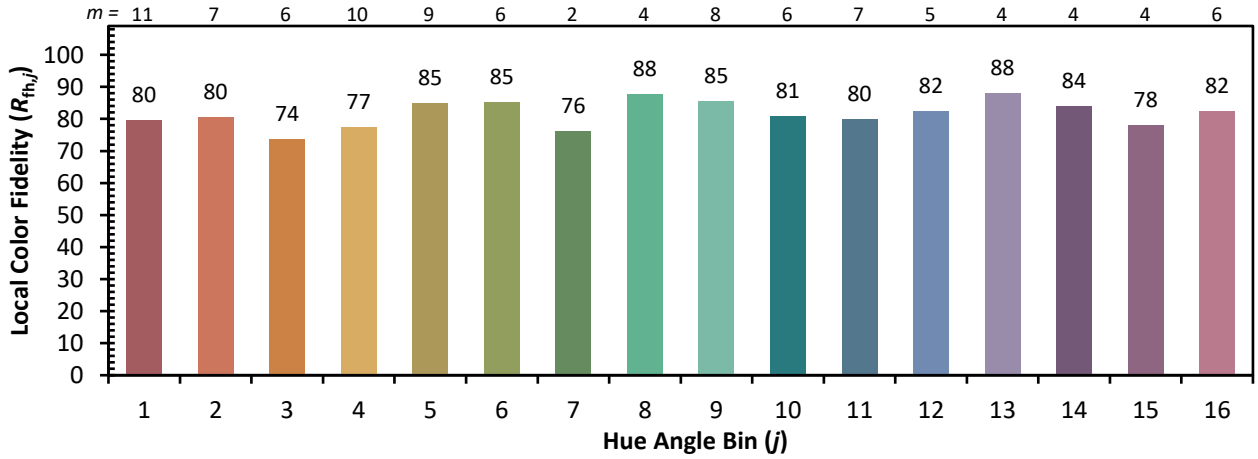
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Color Rendition by Hue-Angle Bin



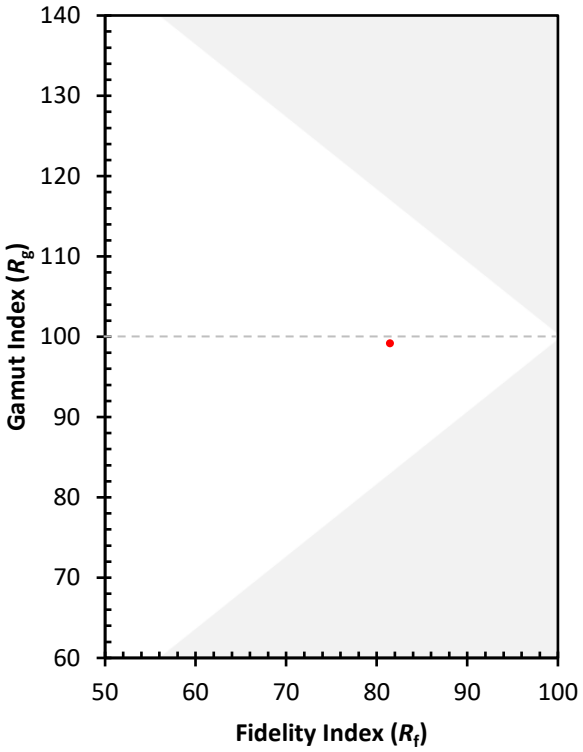


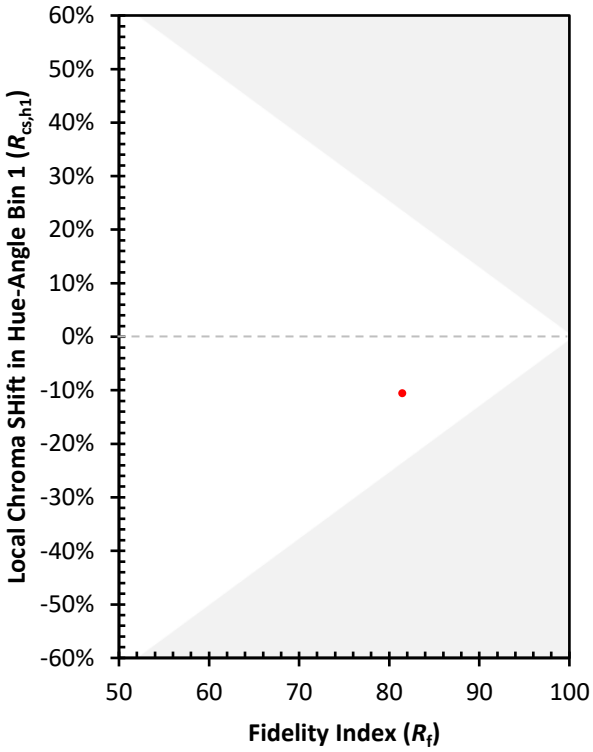


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Measure Comparisons





(END OF REPORT)