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: P1501793

Luminaire Tested: GSS-SB4A-730-U-T2LG-HSS

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:	P1501793
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-730-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14122.1 lumens
Efficiency:	N/A
Efficacy:	123.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

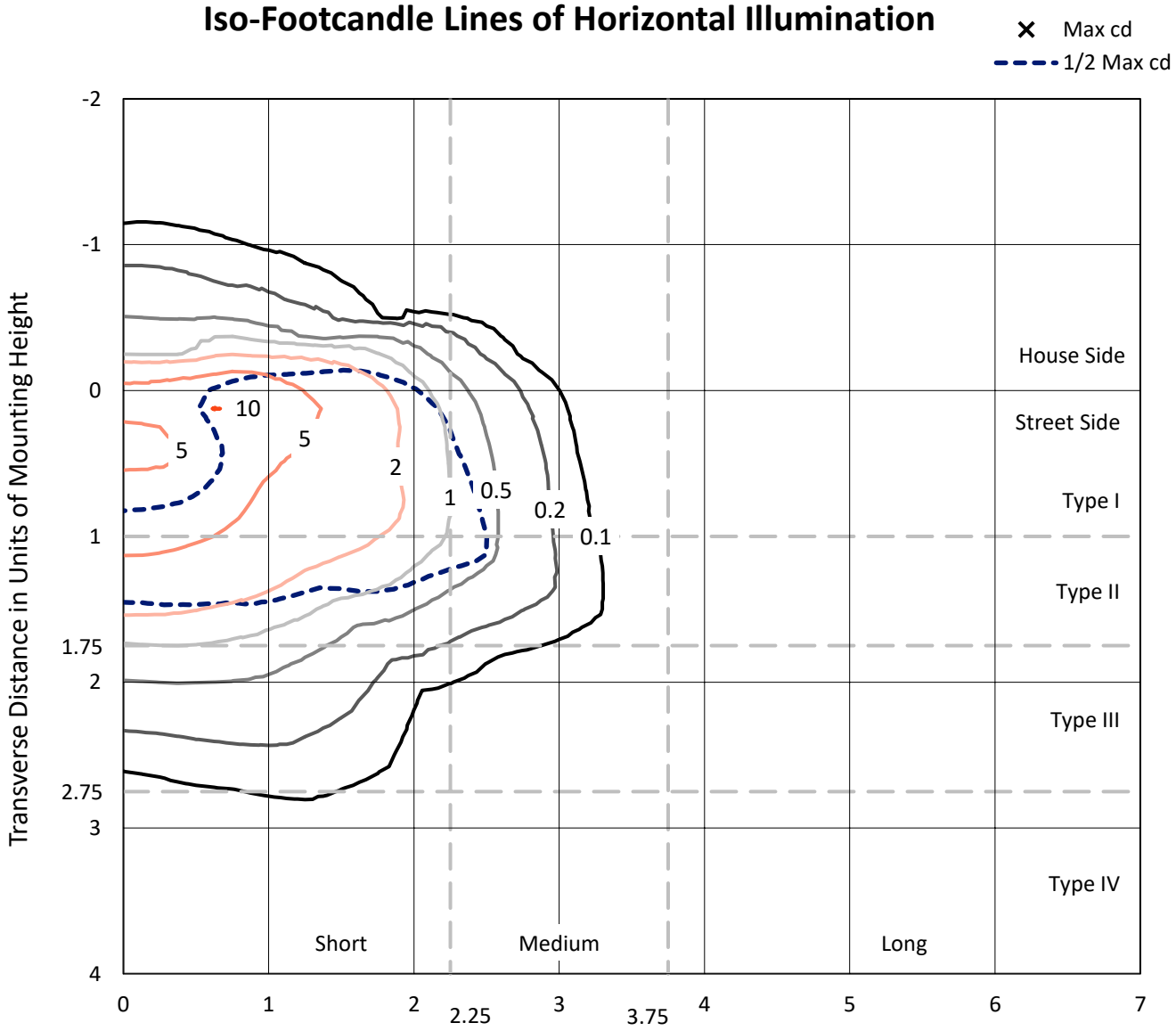
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



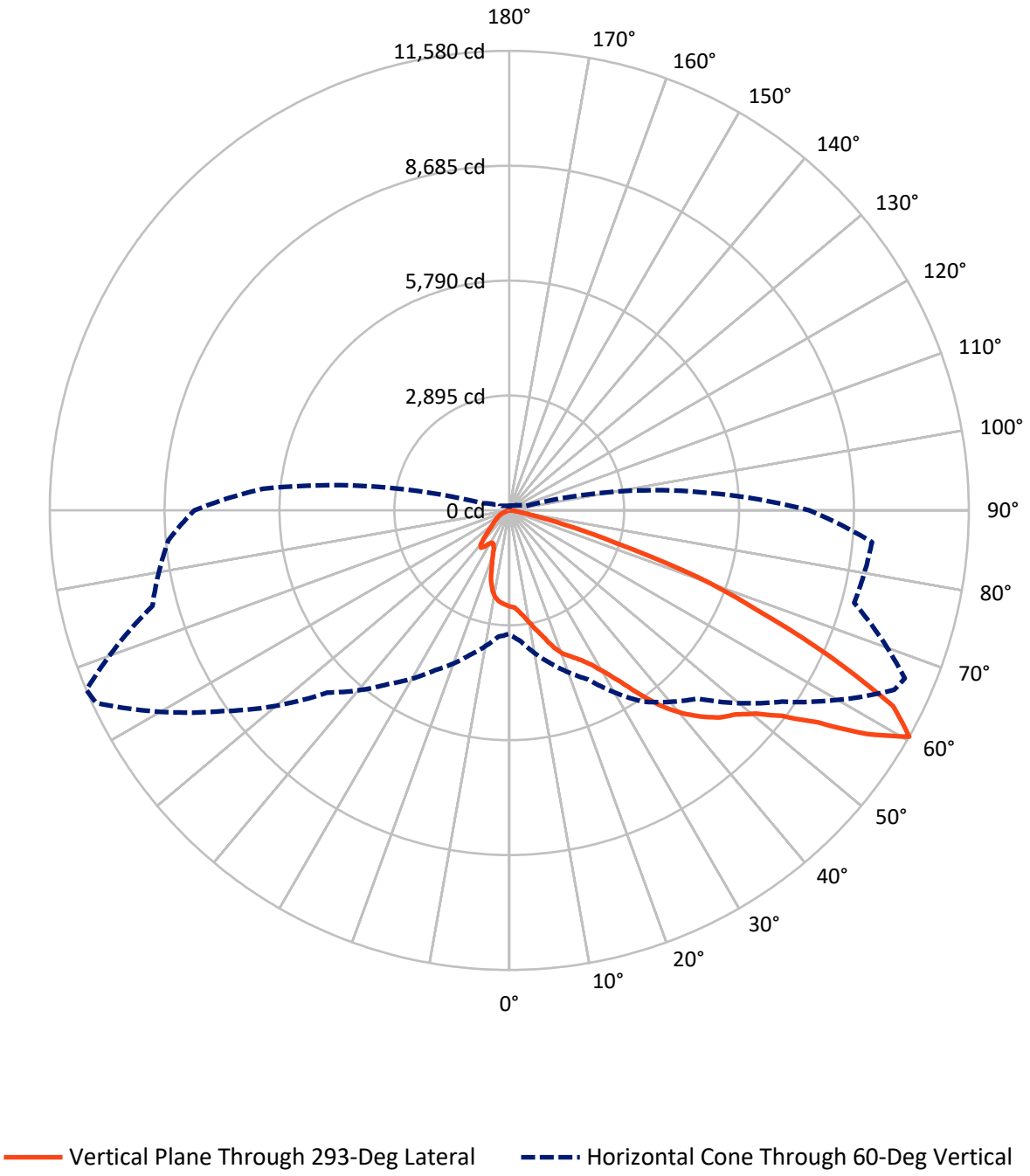
Based on 20 foot mounting height. Maximum calculated value = 10.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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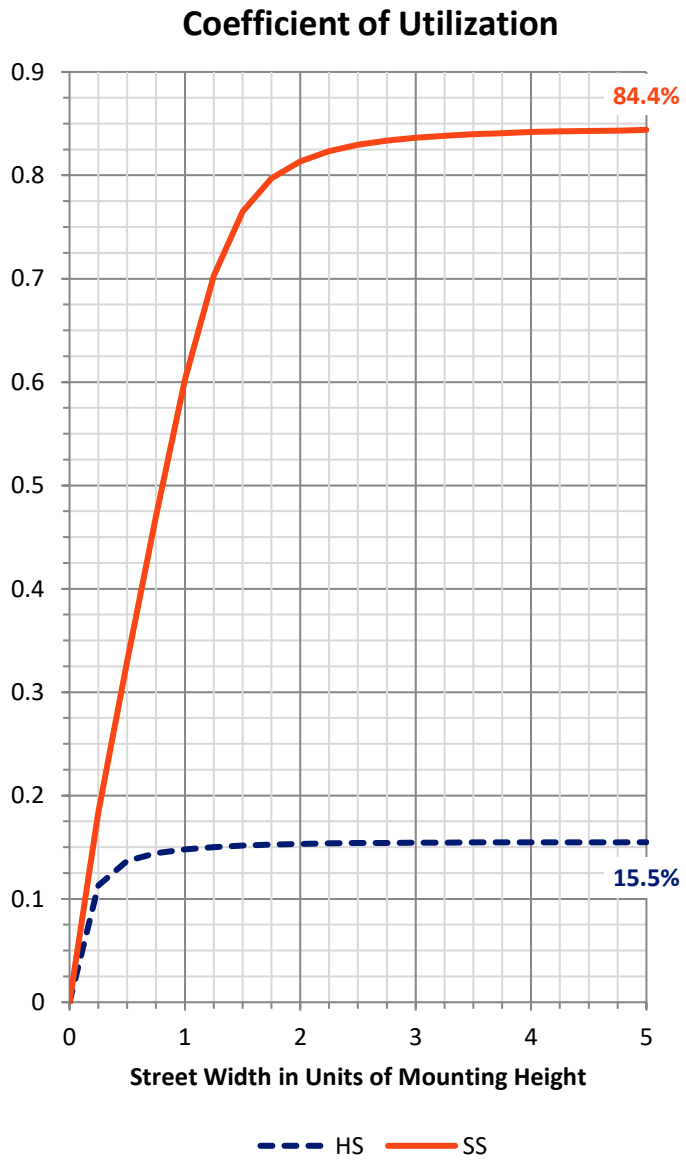
REPORT NUMBER: P1501793
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2203.4	0.0	2203.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	11918.7	0.0	11918.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	14122.1	0.0	14122.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	1.6
10°-20°	552.0	3.9
20°-30°	1030.4	7.3
30°-40°	2043.4	14.5
40°-50°	3258.0	23.1
50°-60°	3892.4	27.6
60°-70°	2551.7	18.1
70°-80°	534.6	3.8
80°-90°	40.4	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°	14122.1	100.0
0°-180°	14122.1	100.0



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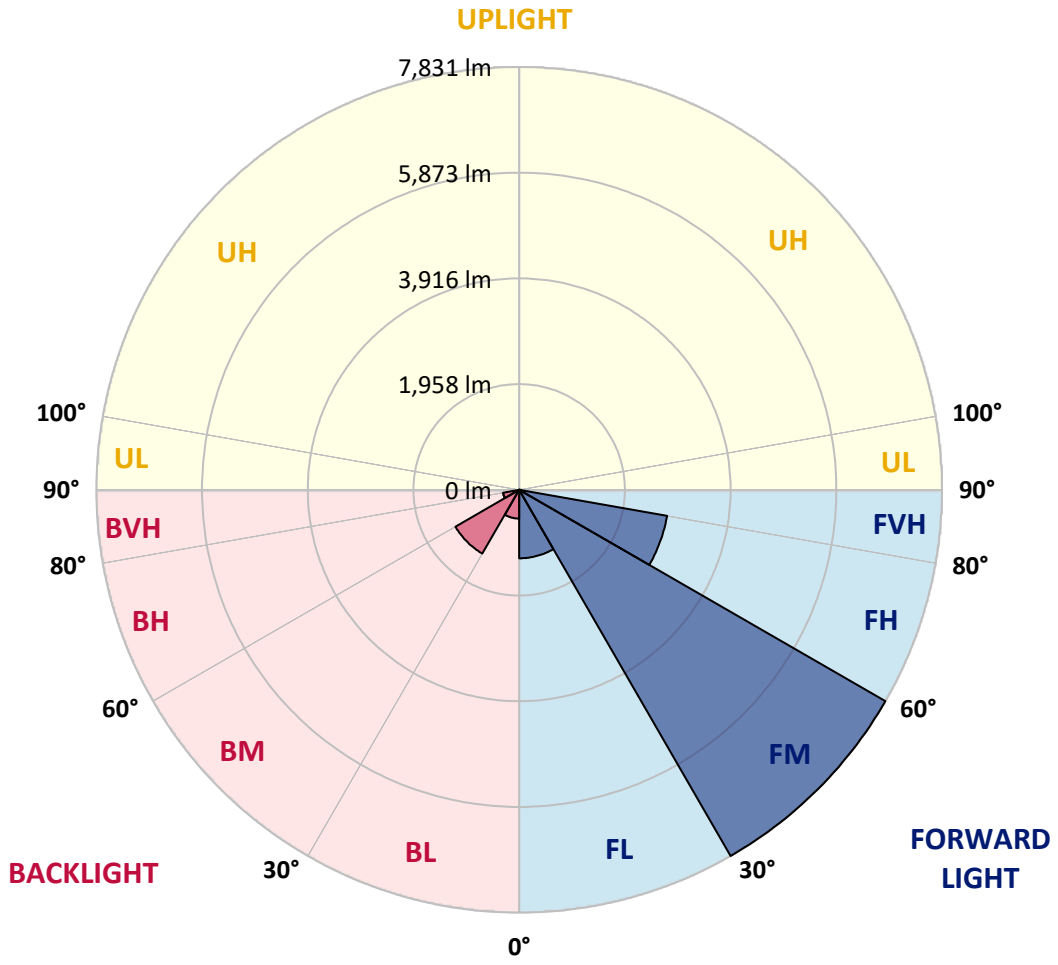
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1268.5	9.0			
FM	(30°-60°)	7831.3	55.5			
FH	(60°-80°)	2782.0	19.7			G2/5000
FVH	(80°-90°)	37.1	0.3			G1/100
BL	(0°-30°)	533.1	3.8	B2/1000		
BM	(30°-60°)	1362.6	9.6	B2/2500		
BH	(60°-80°)	304.4	2.2	B1/500		G1/500
BVH	(80°-90°)	3.4	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°	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4
2.5°	2543.0	2535.1	2523.2	2527.2	2523.2	2507.4	2483.7	2463.9	2479.7	2456.0	2440.2
5°	2618.1	2618.1	2610.2	2610.2	2614.2	2606.3	2590.4	2562.8	2566.7	2546.9	2495.5
7.5°	2618.1	2606.3	2626.0	2645.8	2681.4	2701.2	2709.1	2693.3	2701.2	2661.6	2594.4
10°	2463.9	2456.0	2507.4	2582.5	2685.4	2776.3	2835.7	2839.6	2851.5	2811.9	2732.8
12.5°	2135.6	2119.8	2222.6	2365.0	2574.6	2784.2	2950.3	3013.6	3041.3	3025.5	2914.7
15°	1831.1	1850.9	1922.1	2076.3	2357.1	2677.5	3013.6	3223.2	3262.8	3282.6	3152.0
17.5°	1799.5	1803.4	1827.2	1902.3	2115.9	2503.4	3021.5	3440.7	3496.1	3583.1	3405.2
20°	1886.5	1878.6	1902.3	1926.0	2028.9	2349.2	2946.4	3650.4	3757.1	3943.0	3749.2
22.5°	2048.6	2048.6	2060.5	2076.3	2127.7	2337.3	2914.7	3844.1	4026.1	4405.7	4180.3
25°	2321.5	2289.9	2297.8	2278.0	2321.5	2479.7	2985.9	3998.4	4247.5	4919.9	4694.4
27.5°	2744.7	2756.6	2685.4	2578.6	2602.3	2736.8	3160.0	4172.4	4476.9	5453.8	5216.5
30°	3330.0	3310.2	3266.7	3057.1	2962.2	3080.9	3480.3	4457.2	4785.4	6130.1	5912.6
32.5°	3788.8	3844.1	3769.0	3622.7	3476.3	3511.9	3931.2	4915.9	5161.1	6751.0	6632.3
35°	4342.5	4342.5	4358.3	4152.6	4053.8	4045.8	4496.7	5414.2	5659.4	7312.6	7395.6
37.5°	5089.9	5038.5	4951.5	4722.1	4647.0	4745.9	5026.7	5928.4	6193.3	7767.4	7988.9
40°	5718.8	5754.4	5742.5	5410.3	5264.0	5370.7	5619.9	6367.4	6573.0	8060.1	8467.4
42.5°	6335.7	6355.5	6304.1	6145.9	5932.3	5940.2	6145.9	6699.6	6909.2	8340.9	8918.3
45°	6798.4	6794.5	6758.9	6719.3	6592.8	6462.3	6497.9	7067.4	7249.3	8431.8	9163.5
47.5°	6944.8	6976.4	7008.1	7118.8	7205.8	7000.1	6818.2	7265.1	7431.2	8416.0	9254.4
50°	6810.3	6877.5	7031.8	7197.9	7494.5	7478.7	7087.2	7478.7	7640.8	8503.0	9361.2
52.5°	6509.7	6577.0	6782.6	7083.2	7530.1	7751.6	7585.5	7838.6	8028.4	8724.5	9582.7
55°	5809.7	5837.4	6260.6	6656.1	7352.1	7632.9	8119.4	8447.6	8605.8	8993.4	9875.3
57.5°	4730.0	4797.3	5212.5	5857.2	6853.8	7320.5	8423.9	9487.8	9483.8	9250.5	9938.6
60°	*3112.5*	*3310.2*	*3986.5*	*4698.4*	*5888.8*	*6707.5*	*8404.1*	*10705.9*	*10828.5*	*8997.4*	*9175.3*
62.5°	2376.9	2459.9	2843.6	3436.8	4358.3	5560.6	8273.6	11069.7	11164.6	8317.1	8032.4
65°	1787.6	1890.4	2258.2	2788.2	3076.9	3769.0	7419.4	9622.2	9752.7	7423.3	6244.8
67.5°	1095.5	1178.6	1669.0	2289.9	2329.4	2341.3	5006.9	7288.9	7336.3	5987.7	4204.0
70°	731.7	814.7	1154.8	1759.9	1854.8	1348.6	2748.6	5517.1	5513.1	4097.3	2554.9
72.5°	423.2	462.7	731.7	1297.2	1459.4	858.2	1372.3	3508.0	3353.7	1926.0	1194.4
75°	241.2	268.9	403.4	834.5	1024.3	545.8	541.8	1878.6	1661.1	992.7	652.6
77.5°	146.3	158.2	221.5	545.8	617.0	367.8	300.6	874.0	842.4	581.4	344.1
80°	71.2	83.1	134.5	320.3	395.5	197.7	181.9	344.1	367.8	320.3	181.9
82.5°	23.7	31.6	75.1	122.6	257.1	79.1	75.1	189.8	201.7	189.8	87.0
85°	11.9	15.8	35.6	39.5	98.9	39.5	27.7	83.1	102.8	63.3	35.6
87.5°	0.0	4.0	4.0	4.0	4.0	4.0	4.0	7.9	7.9	7.9	7.9
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°	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4
2.5°	2428.3	2420.4	2404.6	2376.9	2372.9	2353.2	2321.5	2301.7	2285.9	2297.8	2301.7
5°	2471.8	2452.0	2404.6	2329.4	2250.3	2171.2	2096.1	2009.1	1949.8	1941.8	1926.0
7.5°	2550.9	2511.4	2408.5	2262.2	2060.5	1870.7	1649.2	1435.6	1328.8	1313.0	1277.4
10°	2677.5	2610.2	2440.2	2143.5	1756.0	1360.5	1024.3	794.9	664.4	640.7	648.6
12.5°	2827.7	2732.8	2444.1	1941.8	1336.8	842.4	581.4	494.4	466.7	454.8	454.8
15°	3021.5	2883.1	2440.2	1680.8	901.7	541.8	466.7	431.1	419.2	411.3	411.3
17.5°	3266.7	3084.8	2412.5	1289.3	609.1	470.6	427.1	399.4	383.6	379.7	379.7
20°	3555.4	3310.2	2349.2	961.0	510.2	439.0	403.4	367.8	355.9	348.0	348.0
22.5°	3923.2	3583.1	2226.6	747.5	482.5	419.2	379.7	340.1	328.3	320.3	320.3
25°	4350.4	3931.2	2064.4	672.3	478.5	403.4	355.9	316.4	304.5	300.6	296.6
27.5°	4856.6	4302.9	1914.2	676.3	486.5	391.5	332.2	296.6	284.8	272.9	276.8
30°	5453.8	4686.5	1791.6	723.7	494.4	379.7	316.4	284.8	272.9	257.1	257.1
32.5°	6043.1	5137.4	1779.7	810.8	522.0	371.8	300.6	268.9	257.1	245.2	245.2
35°	6648.2	5548.7	1846.9	925.4	577.4	359.9	280.8	253.1	241.2	233.3	229.4
37.5°	7225.6	5877.0	1910.2	996.6	545.8	308.5	257.1	233.3	221.5	205.7	205.7
40°	7609.2	6054.9	1922.1	941.3	450.9	276.8	233.3	209.6	193.8	185.9	181.9
42.5°	7890.0	6169.6	1787.6	763.3	391.5	253.1	213.6	189.8	178.0	170.1	170.1
45°	8004.7	6130.1	1558.2	581.4	359.9	233.3	193.8	174.0	166.1	158.2	158.2
47.5°	7988.9	5948.1	1324.9	466.7	328.3	213.6	181.9	166.1	158.2	150.3	146.3
50°	7961.2	5778.1	1087.6	415.3	292.7	201.7	170.1	158.2	146.3	138.4	134.5
52.5°	8143.1	5722.7	901.7	379.7	272.9	193.8	166.1	150.3	138.4	130.5	130.5
55°	8325.0	5746.4	707.9	355.9	253.1	189.8	162.2	146.3	134.5	122.6	122.6
57.5°	8313.2	5643.6	537.9	332.2	237.3	185.9	158.2	142.4	122.6	114.7	114.7
60°	*7557.8*	*5034.6*	*419.2*	*304.5*	*217.5*	*174.0*	*146.3*	*134.5*	*114.7*	*102.8*	*102.8*
62.5°	6391.1	3958.8	344.1	268.9	193.8	158.2	134.5	122.6	102.8	83.1	83.1
65°	4722.1	2855.4	276.8	233.3	178.0	138.4	122.6	106.8	83.1	67.2	63.3
67.5°	3195.5	1756.0	221.5	193.8	158.2	118.6	102.8	91.0	75.1	55.4	51.4
70°	1894.4	933.4	162.2	134.5	118.6	87.0	87.0	79.1	63.3	47.5	43.5
72.5°	901.7	324.3	118.6	98.9	91.0	63.3	67.2	67.2	51.4	35.6	31.6
75°	458.8	158.2	79.1	71.2	59.3	47.5	55.4	51.4	35.6	23.7	23.7
77.5°	261.0	110.7	55.4	47.5	39.5	31.6	35.6	31.6	19.8	11.9	11.9
80°	146.3	79.1	35.6	31.6	23.7	19.8	19.8	15.8	11.9	4.0	4.0
82.5°	55.4	47.5	23.7	15.8	11.9	11.9	7.9	7.9	4.0	0.0	0.0
85°	23.7	11.9	11.9	7.9	7.9	4.0	4.0	4.0	0.0	0.0	0.0
87.5°	4.0	4.0	4.0	4.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4
2.5°	2270.1	2278.0	2285.9	2317.6	2325.5	2349.2	2369.0	2392.7	2396.7	2428.3	2428.3
5°	1957.7	1953.7	2020.9	2119.8	2183.1	2270.1	2337.3	2408.5	2448.1	2499.5	2523.2
7.5°	1297.2	1396.1	1546.4	1720.4	1945.8	2155.4	2313.6	2452.0	2546.9	2606.3	2630.0
10°	644.6	700.0	858.2	1143.0	1526.6	1953.7	2289.9	2546.9	2701.2	2768.4	2811.9
12.5°	454.8	466.7	494.4	648.6	1016.4	1621.5	2214.7	2649.8	2863.3	2989.9	3045.3
15°	407.4	415.3	427.1	470.6	628.8	1210.2	2080.3	2764.5	3116.4	3262.8	3334.0
17.5°	375.7	379.7	391.5	427.1	494.4	822.6	1862.8	2887.1	3421.0	3598.9	3733.4
20°	348.0	348.0	359.9	403.4	458.8	632.8	1550.3	3025.5	3808.6	4065.6	4200.1
22.5°	316.4	324.3	332.2	379.7	446.9	577.4	1257.7	3132.3	4239.6	4552.1	4710.3
25°	292.7	300.6	308.5	355.9	435.0	577.4	1087.6	3199.5	4722.1	5093.9	5311.4
27.5°	272.9	280.8	292.7	340.1	423.2	601.1	1020.4	3219.3	5248.1	5730.6	6023.3
30°	257.1	265.0	276.8	328.3	431.1	628.8	1044.1	3191.6	5782.0	6387.1	6735.2
32.5°	241.2	249.2	261.0	316.4	431.1	664.4	1123.2	3136.2	6300.1	7043.6	7470.8
35°	229.4	233.3	237.3	284.8	391.5	660.5	1222.1	3080.9	6822.2	7692.3	8190.6
37.5°	205.7	209.6	217.5	245.2	312.4	601.1	1241.8	3013.6	7233.5	8238.0	8787.8
40°	181.9	189.8	197.7	225.4	261.0	486.5	1154.8	2871.2	7451.0	8657.2	9325.6
42.5°	166.1	170.1	178.0	205.7	241.2	387.6	968.9	2622.1	7644.8	8942.0	9717.2
45°	154.2	158.2	166.1	185.9	225.4	336.2	763.3	2317.6	7660.6	9033.0	9907.0
47.5°	142.4	146.3	150.3	170.1	217.5	300.6	585.3	2040.7	7656.7	9151.6	10069.1
50°	134.5	138.4	146.3	162.2	205.7	268.9	482.5	1815.3	7822.8	9408.7	10397.4
52.5°	130.5	130.5	142.4	158.2	193.8	245.2	403.4	1613.6	7909.8	9661.8	10634.7
55°	122.6	126.6	134.5	150.3	181.9	233.3	344.1	1360.5	7949.3	9788.3	10678.2
57.5°	114.7	118.6	130.5	142.4	174.0	221.5	296.6	1016.4	7383.8	9127.9	9950.5
60°	*102.8*	*110.7*	*126.6*	*138.4*	*162.2*	*201.7*	*261.0*	*688.1*	*6228.9*	*7933.5*	*8621.6*
62.5°	83.1	98.9	114.7	122.6	146.3	170.1	221.5	458.8	4975.2	6565.1	7348.2
65°	63.3	83.1	94.9	106.8	122.6	142.4	185.9	312.4	3318.1	4417.6	5299.5
67.5°	55.4	71.2	79.1	87.0	102.8	122.6	150.3	217.5	2013.0	2653.7	3523.8
70°	43.5	59.3	67.2	63.3	79.1	94.9	106.8	146.3	1028.3	1439.6	2005.1
72.5°	31.6	47.5	51.4	51.4	47.5	67.2	79.1	102.8	446.9	700.0	909.6
75°	23.7	31.6	35.6	31.6	27.7	43.5	55.4	67.2	292.7	419.2	530.0
77.5°	11.9	11.9	19.8	19.8	11.9	23.7	27.7	39.5	166.1	245.2	304.5
80°	4.0	0.0	0.0	4.0	0.0	7.9	11.9	19.8	87.0	130.5	189.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	43.5	39.5	98.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	23.7
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: P1501793
CATALOG NUMBER: GSS-SB4A-730-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4	2420.4
2.5°	2448.1	2448.1	2463.9	2487.6	2499.5	2507.4	2511.4	2519.3	2550.9	2543.0
5°	2550.9	2558.8	2570.7	2594.4	2622.1	2614.2	2614.2	2614.2	2634.0	2618.1
7.5°	2685.4	2709.1	2713.1	2740.7	2721.0	2681.4	2657.7	2622.1	2618.1	2618.1
10°	2902.9	2895.0	2895.0	2859.4	2788.2	2673.5	2570.7	2499.5	2459.9	2463.9
12.5°	3136.2	3104.6	3108.5	2978.0	2776.3	2523.2	2313.6	2159.4	2147.5	2135.6
15°	3424.9	3341.9	3326.1	3025.5	2598.4	2210.8	2005.1	1882.5	1843.0	1831.1
17.5°	3836.2	3626.6	3551.5	2942.4	2365.0	2017.0	1862.8	1807.4	1803.4	1799.5
20°	4271.3	3856.0	3713.6	2819.8	2285.9	2020.9	1906.3	1890.4	1882.5	1886.5
22.5°	4777.5	4002.3	3820.4	2839.6	2357.1	2151.5	2060.5	2048.6	2040.7	2048.6
25°	5299.5	4172.4	3947.0	2997.8	2570.7	2392.7	2285.9	2262.2	2285.9	2321.5
27.5°	5825.5	4401.8	4196.1	3310.2	2914.7	2721.0	2618.1	2705.1	2740.7	2744.7
30°	6292.2	4722.1	4532.3	3749.2	3306.3	3112.5	3132.3	3243.0	3286.5	3330.0
32.5°	6719.3	5149.3	5002.9	4247.5	3812.5	3697.8	3686.0	3769.0	3816.5	3788.8
35°	7150.4	5706.9	5564.5	4789.4	4433.4	4338.5	4239.6	4401.8	4386.0	4342.5
37.5°	7557.8	6268.5	6138.0	5370.7	5002.9	4836.8	4821.0	4967.3	5097.8	5089.9
40°	7850.4	6723.3	6565.1	5948.1	5600.1	5457.7	5540.8	5793.9	5762.3	5718.8
42.5°	8119.4	7110.9	6968.5	6454.4	6090.5	6153.8	6228.9	6399.0	6379.2	6335.7
45°	8245.9	7443.1	7320.5	6838.0	6660.0	6861.7	6857.8	6921.0	6814.3	6798.4
47.5°	8423.9	7680.4	7553.8	7182.1	7340.3	7423.3	7190.0	7122.7	7023.9	6944.8
50°	8752.2	8048.2	7921.6	7704.1	7838.6	7581.5	7296.8	7150.4	6948.7	6810.3
52.5°	9135.8	8605.8	8495.1	8408.1	8032.4	7502.4	7138.6	6873.6	6628.4	6509.7
55°	9618.3	9428.4	9349.3	8870.8	7858.4	7178.1	6751.0	6256.6	5920.5	5809.7
57.5°	9776.5	10634.7	10607.0	8945.9	7371.9	6588.8	5817.6	5149.3	4801.2	4730.0
60°	9309.8	11579.9	11481.0	8819.4	6490.0	5347.0	4445.3	3761.1	3195.5	3112.5
62.5°	8712.6	10856.2	10820.6	8182.7	4943.6	3832.3	3322.1	2681.4	2440.2	2376.9
65°	7462.9	8882.7	8898.5	6565.1	3128.3	2752.6	2728.9	2131.7	1835.1	1787.6
67.5°	5746.4	6814.3	6703.5	4128.9	1823.2	2202.9	2179.1	1558.2	1127.1	1095.5
70°	3357.7	5074.1	4896.1	2147.5	1206.2	1839.0	1676.9	1095.5	767.2	731.7
72.5°	1483.1	2792.1	2997.8	945.2	850.3	1463.3	1210.2	672.3	431.1	423.2
75°	822.6	1384.2	1447.5	411.3	597.2	1040.1	731.7	375.7	245.2	241.2
77.5°	494.4	613.0	597.2	265.0	446.9	664.4	442.9	213.6	154.2	146.3
80°	276.8	280.8	237.3	193.8	265.0	371.8	249.2	134.5	71.2	71.2
82.5°	170.1	154.2	122.6	59.3	71.2	225.4	91.0	75.1	23.7	23.7
85°	71.2	47.5	31.6	11.9	27.7	59.3	31.6	35.6	11.9	11.9
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

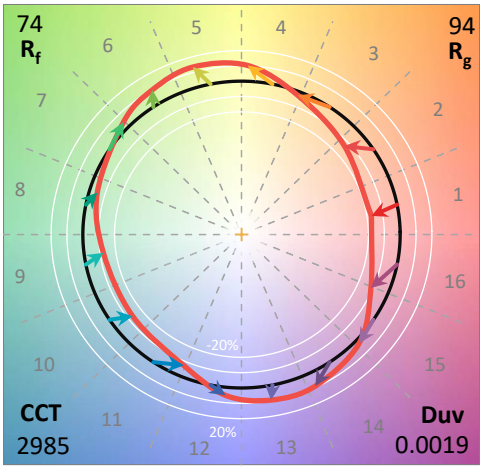
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

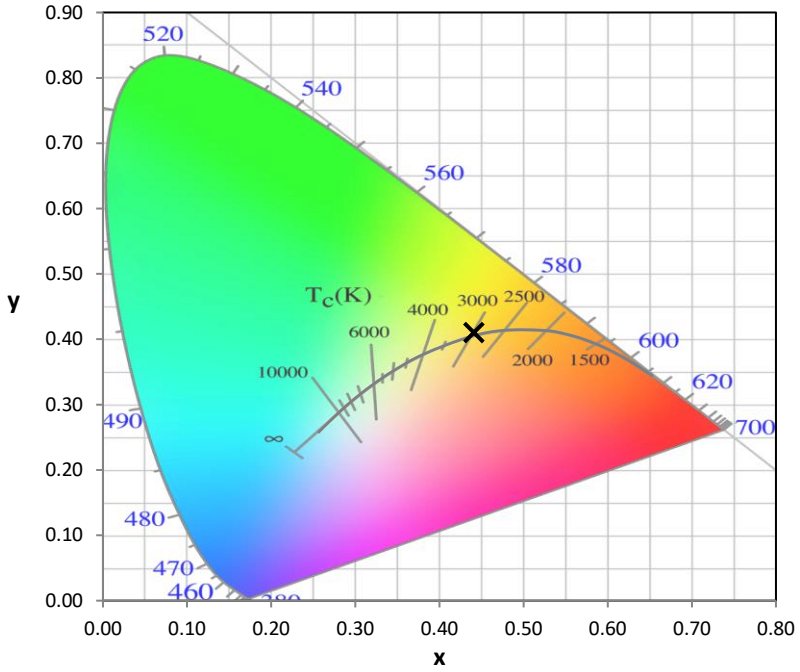
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

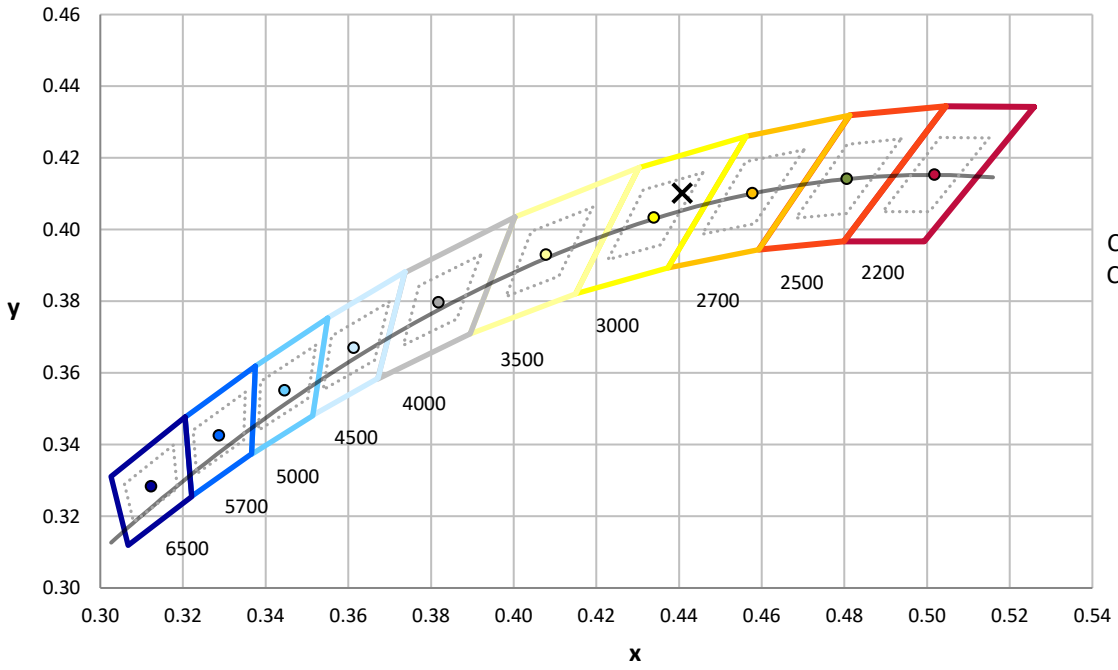
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

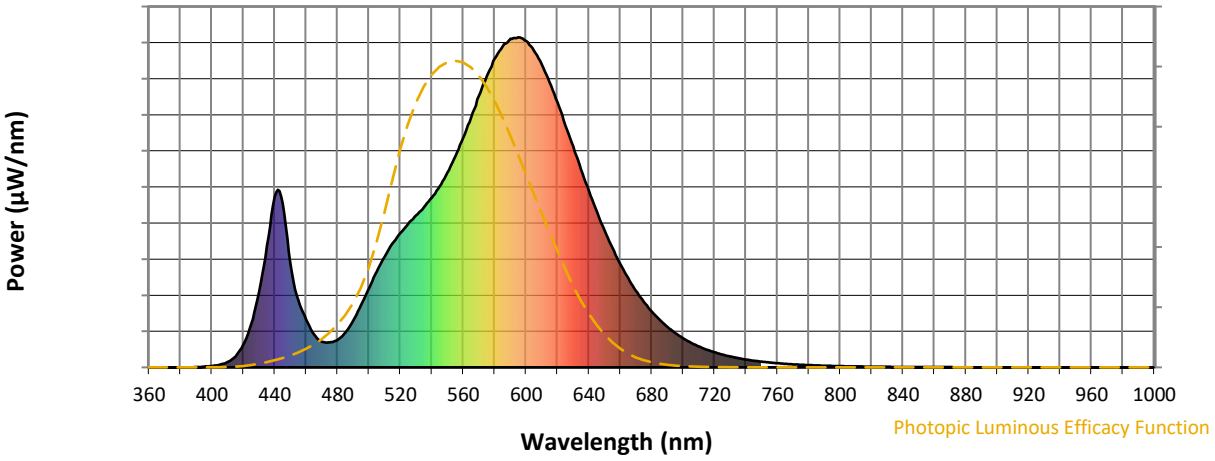


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

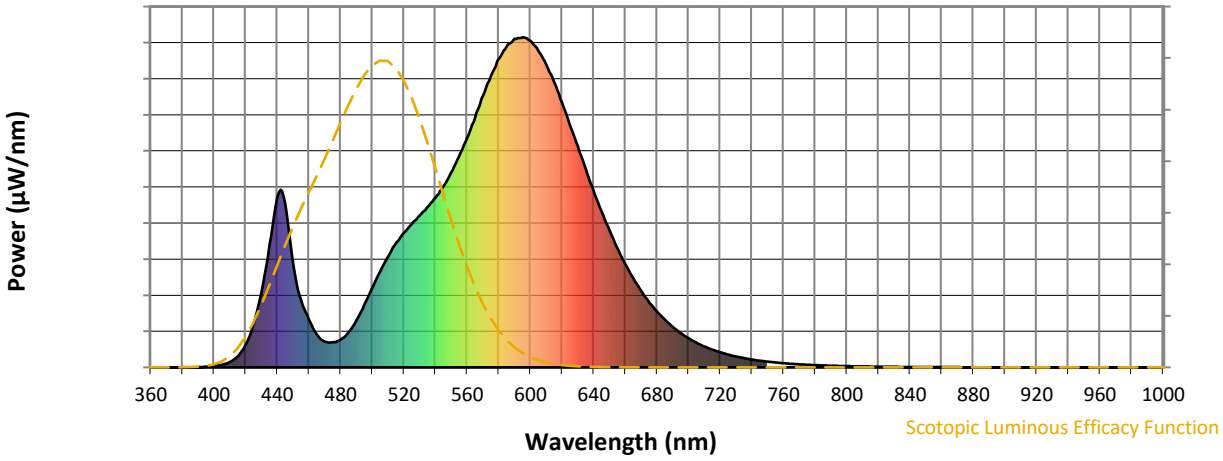


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

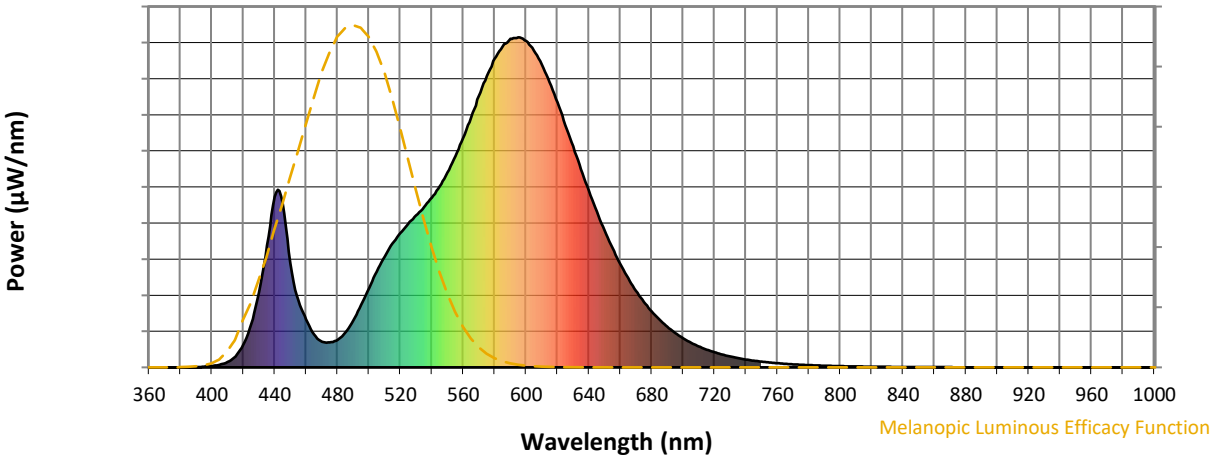


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

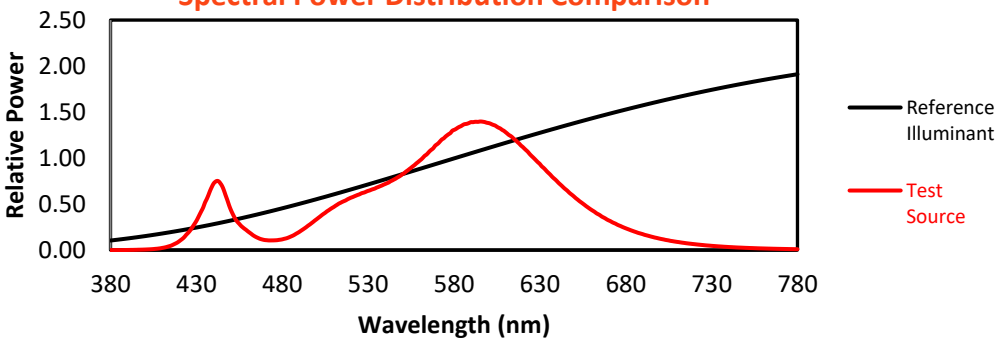
REPORT NUMBER: SP1-2407-184-4

TM-30-18

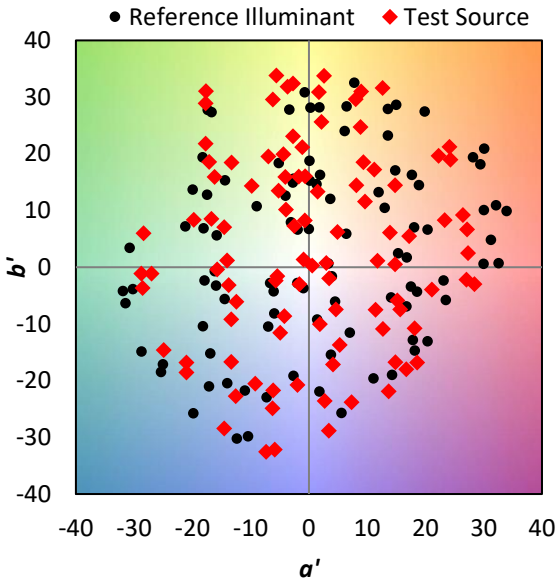
Summary

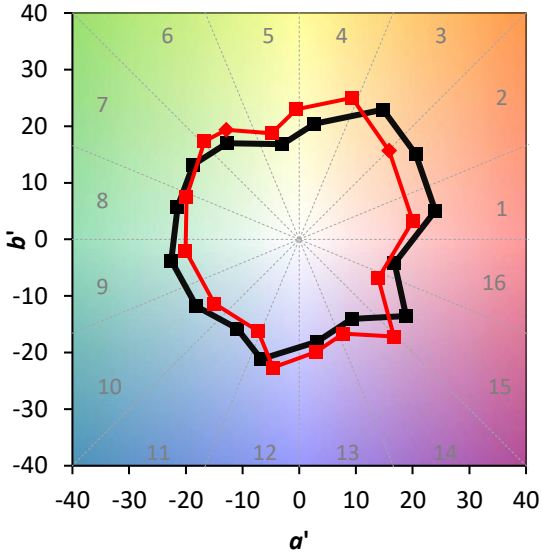
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

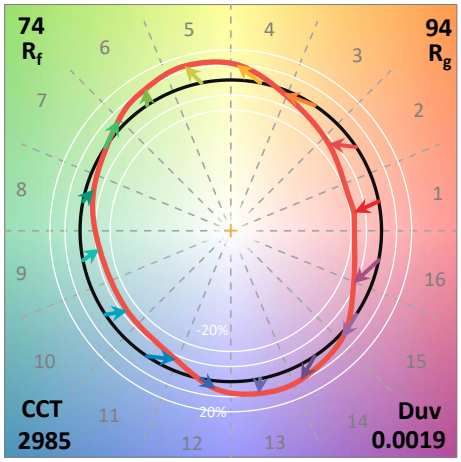
Spectral Power Distribution Comparison

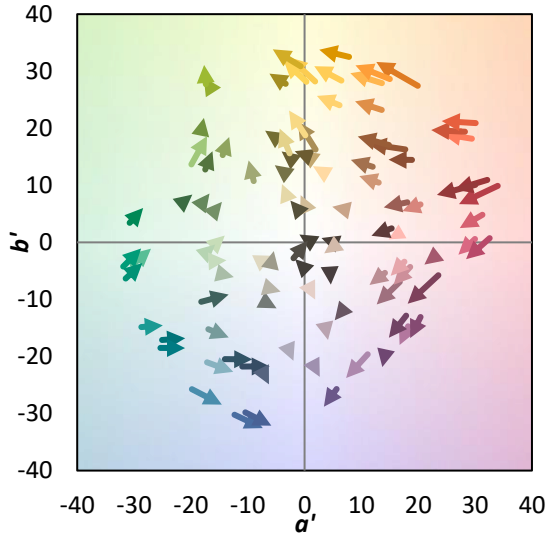


Color Vector Graphics







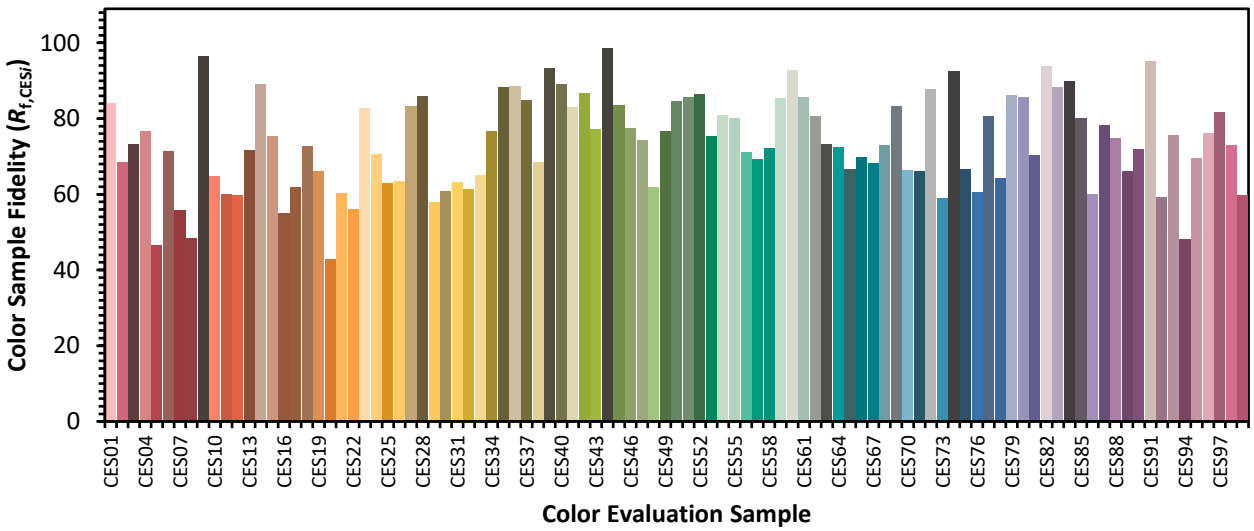


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

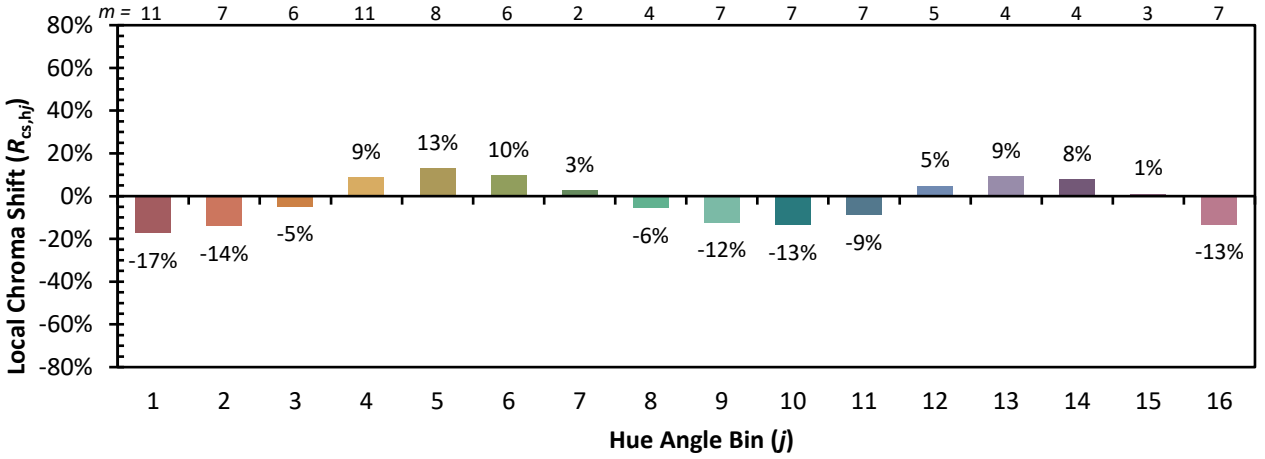
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

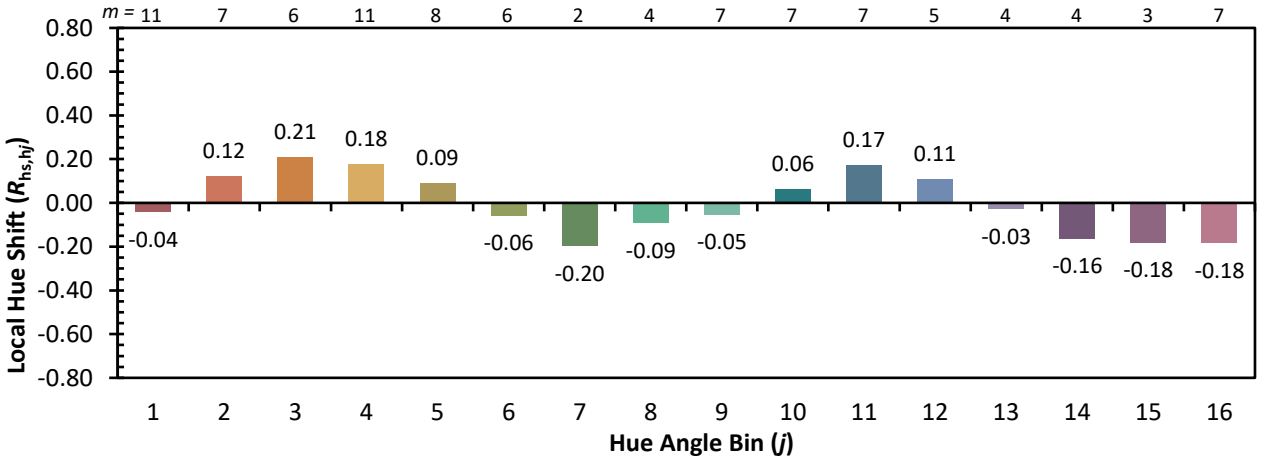


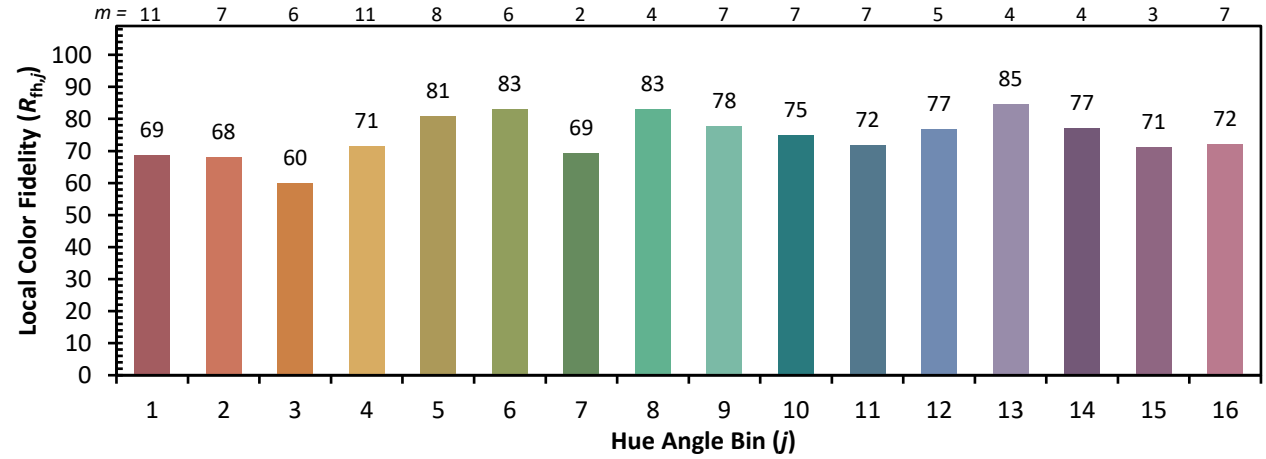
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Color Rendition by Hue-Angle Bin



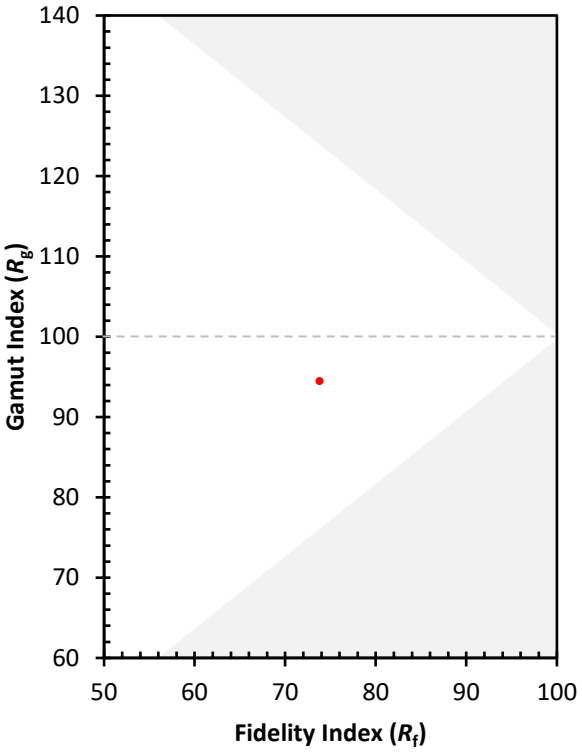


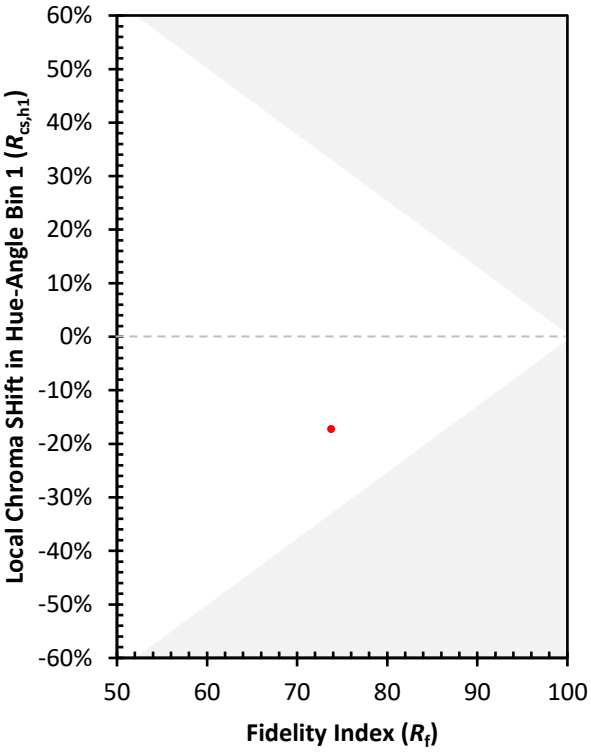


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Measure Comparisons





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