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: P1501342

Luminaire Tested: GSS-SB5B-740-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:	P1501342
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-740-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28899.4 lumens
Efficiency:	N/A
Efficacy:	157.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

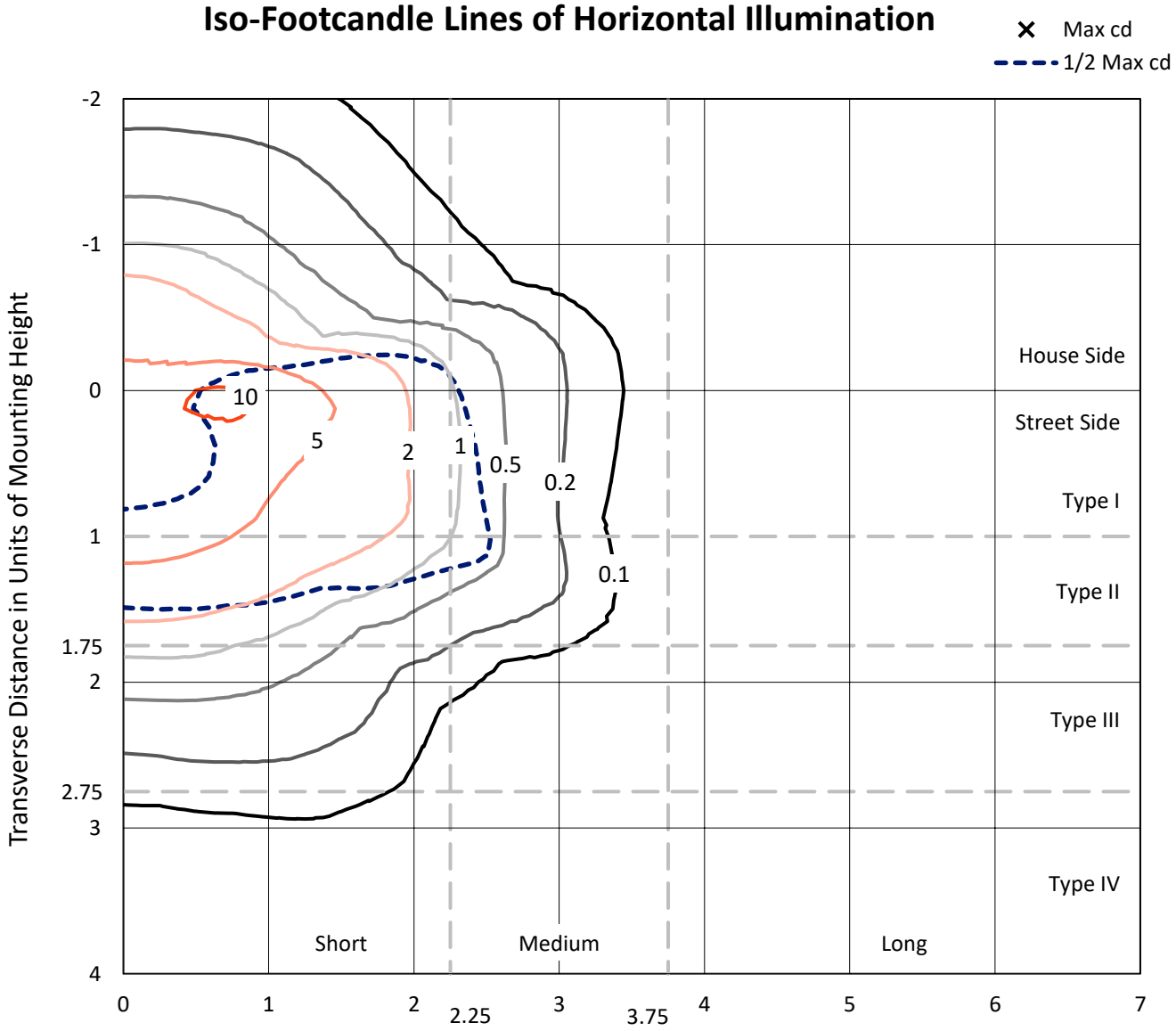
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



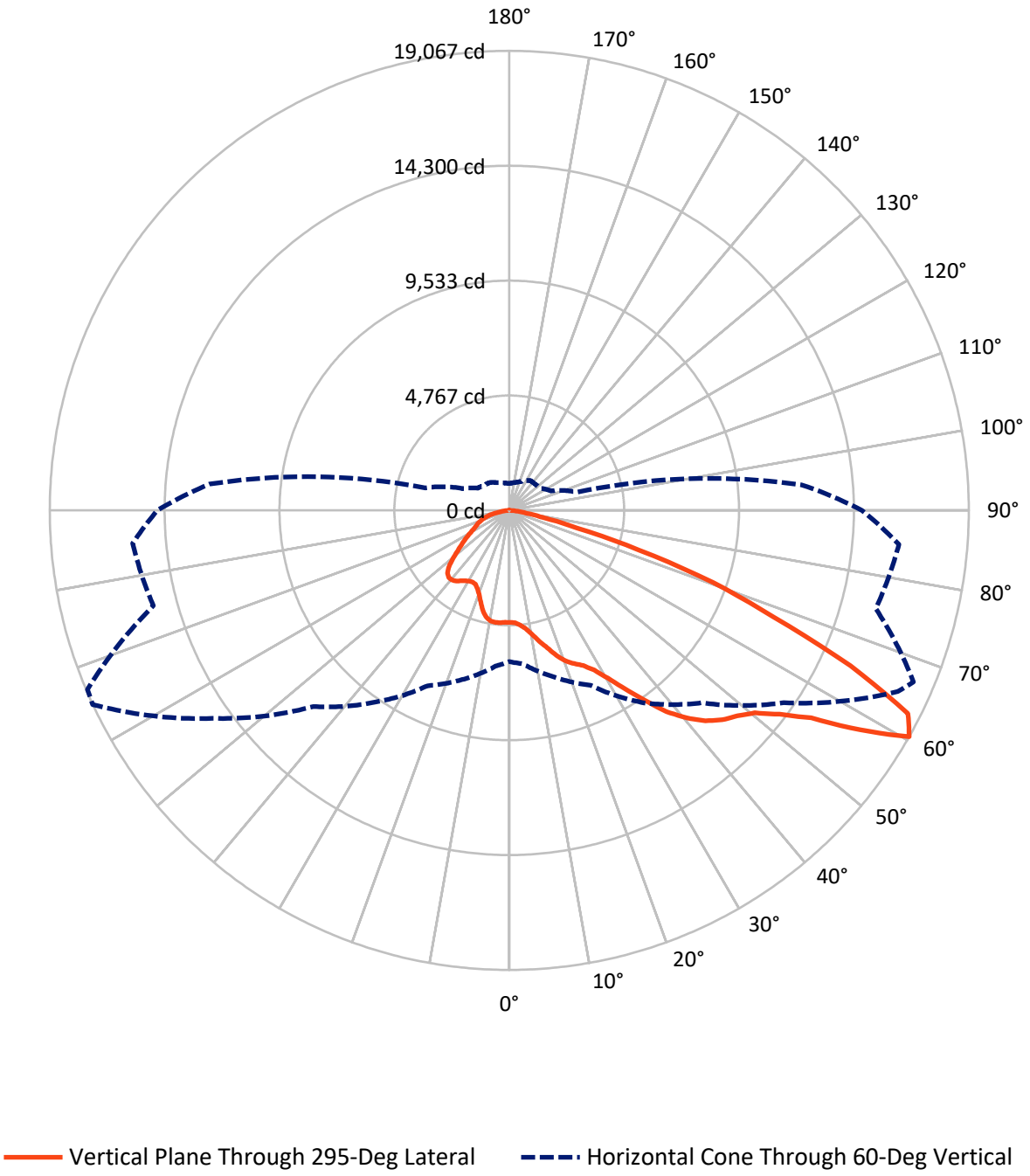
Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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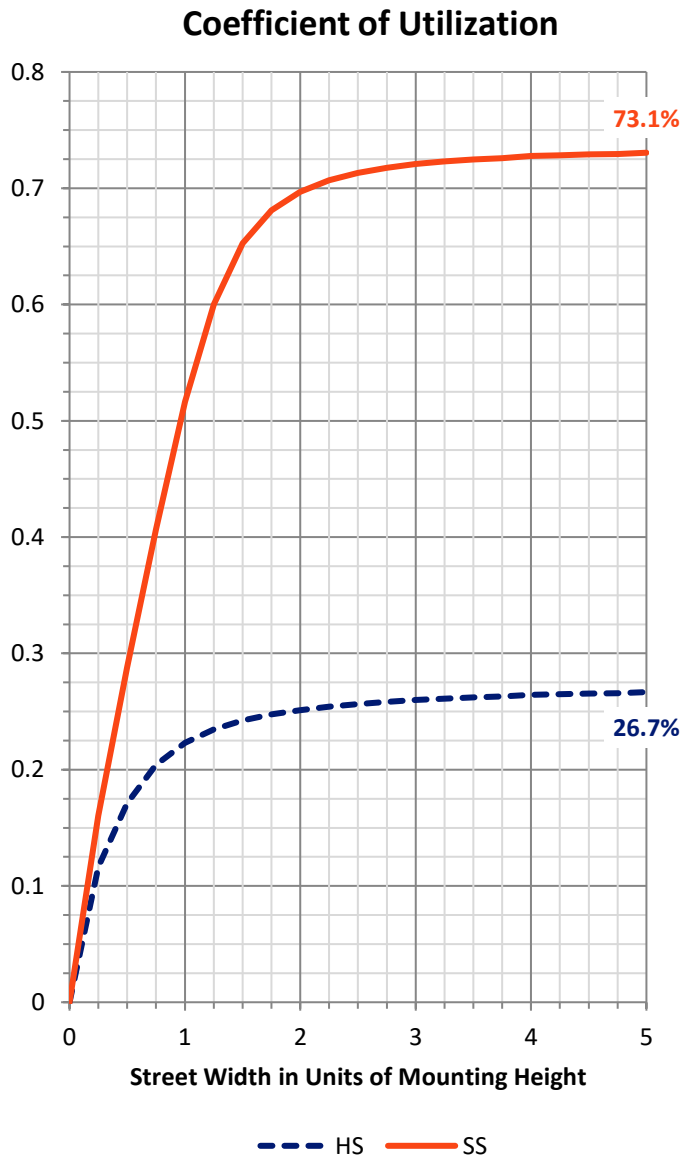
REPORT NUMBER: P1501342
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7771.4	0.0	7771.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	21128.0	0.0	21128.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	28899.4	0.0	28899.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.2	1.5
10°-20°	1256.8	4.3
20°-30°	2380.5	8.2
30°-40°	4196.8	14.5
40°-50°	6206.6	21.5
50°-60°	7288.2	25.2
60°-70°	5280.6	18.3
70°-80°	1628.5	5.6
80°-90°	224.2	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°	28899.4	100.0
0°-180°	28899.4	100.0



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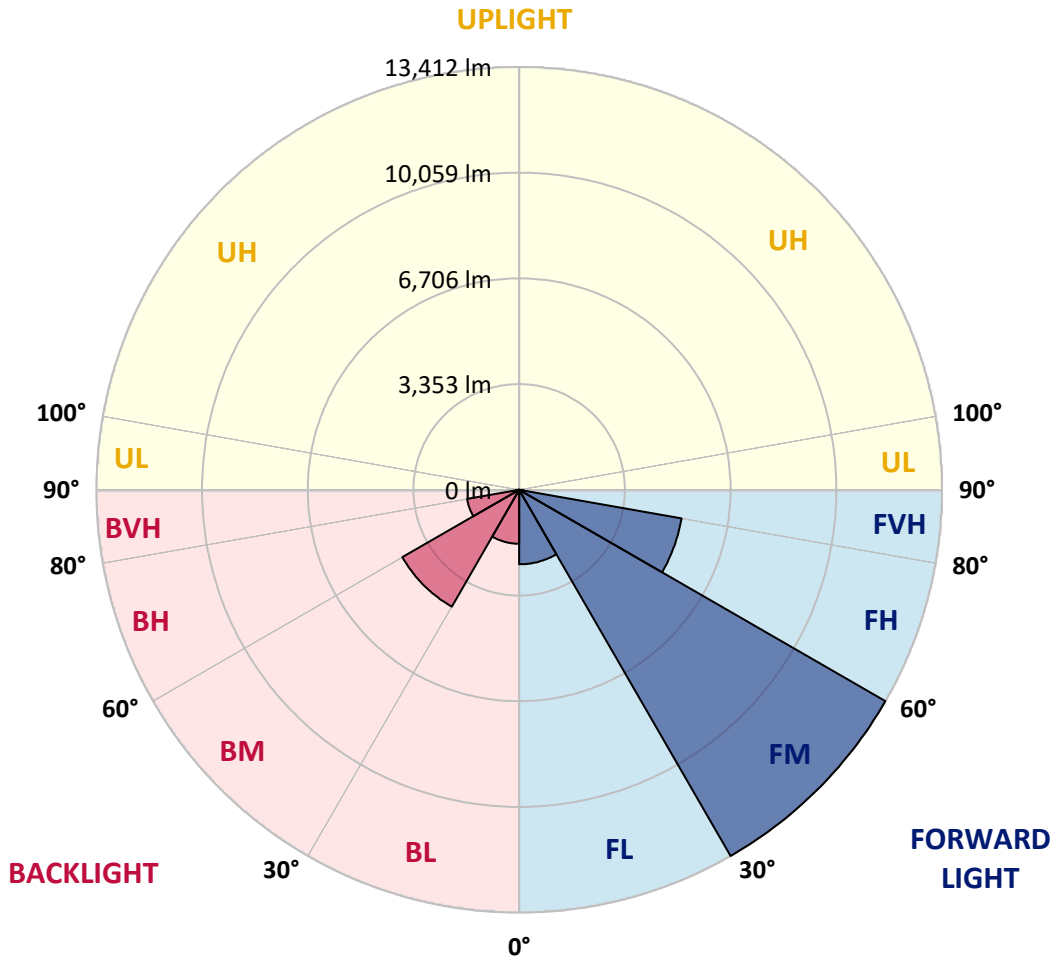
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2363.0	8.2			
FM	(30°-60°)	13412.4	46.4			
FH	(60°-80°)	5231.7	18.1			G3/7500
FVH	(80°-90°)	120.9	0.4			G2/225
BL	(0°-30°)	1711.5	5.9	B3/2500		
BM	(30°-60°)	4279.2	14.8	B3/5000		
BH	(60°-80°)	1677.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	103.3	0.4			G2/225
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°	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8
2.5°	4742.0	4755.2	4735.4	4748.6	4748.6	4728.8	4722.2	4695.9	4709.1	4702.5	4695.9
5°	4854.0	4860.5	4847.4	4867.1	4867.1	4873.7	4867.1	4834.2	4834.2	4834.2	4821.0
7.5°	4821.0	4821.0	4827.6	4893.5	4959.3	5044.9	5044.9	5031.8	5044.9	5038.4	4979.1
10°	4544.4	4570.7	4630.0	4794.7	4952.7	5137.2	5262.3	5301.8	5301.8	5308.4	5209.6
12.5°	4050.4	4070.2	4208.5	4458.8	4788.1	5124.0	5426.9	5624.5	5644.3	5677.2	5545.5
15°	3609.2	3622.4	3721.1	3978.0	4353.4	4946.2	5519.1	5927.5	5993.3	6131.7	5934.1
17.5°	3648.7	3642.1	3668.5	3767.2	4037.3	4656.4	5499.4	6283.1	6401.7	6645.4	6474.1
20°	3885.8	3885.8	3905.6	3925.3	4024.1	4445.6	5354.5	6572.9	6803.4	7277.6	7080.1
22.5°	4261.2	4261.2	4254.6	4287.5	4287.5	4537.8	5361.1	6790.3	7132.7	7982.3	7791.3
25°	4781.5	4755.2	4755.2	4768.3	4709.1	4886.9	5525.7	7014.2	7462.0	8818.8	8654.1
27.5°	5367.7	5387.4	5374.3	5328.1	5249.1	5387.4	5920.9	7363.3	7830.9	9701.3	9635.5
30°	6006.5	6013.1	6026.3	5999.9	5934.1	6032.9	6540.0	7890.1	8318.2	10623.4	10768.3
32.5°	6632.2	6724.4	6691.5	6625.6	6652.0	6829.8	7304.0	8601.4	9042.7	11479.6	11993.3
35°	7429.1	7462.0	7593.8	7350.1	7356.7	7659.6	8278.7	9536.7	9964.8	12368.7	13218.3
37.5°	8588.3	8647.5	8588.3	8206.3	8147.0	8568.5	9227.1	10458.7	10768.3	13040.5	14357.7
40°	9727.7	9800.1	9898.9	9451.0	9075.6	9424.7	10122.8	11163.4	11486.1	13409.3	15115.1
42.5°	10669.5	10788.0	10682.6	10550.9	10208.4	10274.3	10748.5	11710.1	12032.8	13876.9	15879.1
45°	11466.4	11486.1	11532.3	11440.0	11268.8	11209.5	11282.0	12190.9	12546.5	14087.7	16254.5
47.5°	11795.7	11881.3	11920.8	12078.9	12256.7	12138.2	11736.4	12414.8	12737.5	14074.5	16373.0
50°	11617.9	11703.5	11914.2	12289.7	12717.7	12928.5	12269.9	12724.3	13086.6	14311.6	16616.7
52.5°	11150.3	11242.5	11584.9	12013.0	12730.9	13211.7	13020.7	13369.8	13718.8	14733.1	17025.1
55°	10017.4	10155.8	10636.5	11347.8	12335.8	13060.2	13811.0	14318.2	14700.2	15240.2	17446.6
57.5°	8370.9	8515.8	9055.9	10122.8	11604.7	12434.5	14041.6	16096.4	16267.7	15846.1	17486.1
60°	*6270.0*	*6388.5*	*7152.5*	*8008.7*	*9747.4*	*11288.6*	*13909.8*	*17782.5*	*18217.1*	*15740.8*	*16228.1*
62.5°	4965.9	5110.8	5789.2	6184.3	7429.1	9325.9	13448.8	18250.1	18625.5	14871.4	14476.2
65°	3879.2	3978.0	4610.3	5176.7	5479.6	6368.8	11525.7	15964.7	16300.6	13455.4	11947.2
67.5°	2562.0	2713.5	3464.3	4241.4	4399.5	4050.4	7929.7	12283.1	12441.1	10695.8	8983.4
70°	1837.5	1910.0	2469.8	3299.6	3536.7	2713.5	4320.5	9299.6	9345.7	7178.8	6052.6
72.5°	1251.4	1264.5	1679.5	2529.1	2818.8	1969.2	2377.6	6125.1	5967.0	3543.3	3464.3
75°	849.6	862.8	1073.5	1686.0	1995.6	1369.9	1547.7	3339.1	3207.4	1956.1	2101.0
77.5°	573.0	586.2	737.6	1132.8	1330.4	948.4	1132.8	1765.1	1732.1	1297.5	1126.2
80°	434.7	454.4	546.6	724.5	928.6	553.2	645.4	836.4	849.6	691.5	573.0
82.5°	243.7	270.0	329.3	368.8	599.3	309.5	309.5	500.5	480.8	428.1	309.5
85°	105.4	112.0	131.7	138.3	243.7	131.7	112.0	217.3	223.9	210.8	98.8
87.5°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	26.3	26.3	26.3	26.3
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°	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8
2.5°	4663.0	4702.5	4663.0	4643.2	4643.2	4610.3	4597.1	4597.1	4551.0	4570.7	4557.6
5°	4768.3	4781.5	4735.4	4676.1	4597.1	4531.2	4439.0	4320.5	4248.0	4241.4	4248.0
7.5°	4933.0	4939.6	4814.4	4682.7	4485.1	4248.0	3964.8	3734.3	3530.1	3497.2	3536.7
10°	5163.5	5150.3	4965.9	4656.4	4241.4	3740.9	3306.2	3095.5	2976.9	2970.3	2963.7
12.5°	5473.0	5387.4	5104.2	4544.4	3819.9	3240.4	3016.4	3003.3	3036.2	3062.5	3069.1
15°	5828.7	5716.7	5216.2	4327.1	3391.8	3055.9	3069.1	3181.1	3220.6	3246.9	3246.9
17.5°	6270.0	6125.1	5341.3	4017.5	3174.5	3095.5	3187.7	3293.0	3358.9	3385.3	3378.7
20°	6856.1	6553.2	5440.1	3721.1	3115.2	3161.3	3240.4	3345.7	3411.6	3444.5	3444.5
22.5°	7442.3	7066.9	5459.9	3517.0	3115.2	3167.9	3240.4	3345.7	3418.2	3451.1	3444.5
25°	8239.2	7725.5	5466.5	3372.1	3121.8	3135.0	3200.8	3293.0	3398.4	3431.4	3444.5
27.5°	9088.8	8450.0	5499.4	3339.1	3095.5	3088.9	3135.0	3220.6	3326.0	3411.6	3418.2
30°	10142.6	9266.6	5512.6	3372.1	3102.1	3016.4	3049.4	3135.0	3246.9	3332.6	3358.9
32.5°	11176.6	10024.0	5486.2	3444.5	3115.2	2970.3	2976.9	3029.6	3148.2	3207.4	3253.5
35°	12269.9	10827.5	5440.1	3543.3	3121.8	2950.6	2891.3	2917.6	2996.7	3003.3	3023.0
37.5°	13126.1	11426.9	5301.8	3675.0	3135.0	2878.1	2759.6	2739.8	2706.9	2641.0	2654.2
40°	13830.8	11828.6	5071.3	3740.9	3102.1	2792.5	2594.9	2502.7	2377.6	2278.8	2298.5
42.5°	14337.9	12098.7	4794.7	3754.1	3049.4	2647.6	2403.9	2245.9	2107.6	2002.2	2008.8
45°	14561.9	12072.3	4498.3	3655.3	2924.2	2469.8	2226.1	2074.6	1923.1	1811.2	1798.0
47.5°	14568.4	11815.5	4090.0	3418.2	2713.5	2265.6	2061.4	1896.8	1771.7	1692.6	1686.0
50°	14621.1	11670.6	3708.0	3075.7	2436.9	2048.3	1916.6	1751.9	1679.5	1567.5	1534.6
52.5°	14950.4	11907.7	3444.5	2700.3	2180.0	1890.2	1791.4	1646.5	1528.0	1455.5	1448.9
55°	15483.9	12316.0	3299.6	2417.1	1936.3	1738.7	1672.9	1547.7	1442.4	1369.9	1350.1
57.5°	15549.8	12526.8	3128.4	2153.7	1738.7	1620.2	1593.8	1455.5	1304.0	1251.4	1231.6
60°	*14627.7*	*12171.1*	*2917.6*	*1910.0*	*1593.8*	*1528.0*	*1514.8*	*1330.4*	*1205.3*	*1139.4*	*1113.0*
62.5°	13369.8	11282.0	2594.9	1686.0	1481.9	1435.8	1383.1	1238.2	1080.1	1007.7	987.9
65°	10926.3	9484.0	2206.3	1534.6	1369.9	1317.2	1304.0	1106.5	1001.1	961.6	955.0
67.5°	8278.7	7620.1	1942.9	1422.6	1251.4	1231.6	1185.5	1119.6	1073.5	1027.4	1014.3
70°	5855.0	5499.4	1653.1	1277.7	1132.8	1099.9	1290.9	1218.4	1053.8	994.5	987.9
72.5°	3549.9	3451.1	1429.2	1146.0	974.7	1027.4	1192.1	1099.9	948.4	876.0	849.6
75°	2239.3	2048.3	1198.7	974.7	777.2	836.4	1040.6	981.3	816.7	744.2	724.5
77.5°	1218.4	1132.8	902.3	796.9	612.5	678.4	908.9	810.1	652.0	711.3	632.3
80°	533.5	592.7	599.3	461.0	408.3	500.5	652.0	632.3	500.5	507.1	421.5
82.5°	256.9	335.9	388.6	316.1	230.5	296.4	434.7	362.2	335.9	316.1	303.0
85°	79.0	125.1	171.2	151.5	105.4	125.1	204.2	197.6	237.1	204.2	191.0
87.5°	26.3	26.3	19.8	19.8	19.8	26.3	32.9	19.8	6.6	6.6	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°	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8
2.5°	4551.0	4557.6	4557.6	4564.2	4564.2	4583.9	4610.3	4636.6	4616.9	4643.2	4649.8
5°	4234.9	4267.8	4294.1	4392.9	4472.0	4537.8	4610.3	4676.1	4695.9	4709.1	4742.0
7.5°	3490.6	3582.8	3754.1	3978.0	4228.3	4472.0	4636.6	4807.8	4834.2	4867.1	4913.2
10°	2970.3	3009.8	3128.4	3358.9	3806.8	4287.5	4689.3	4959.3	5071.3	5137.2	5183.3
12.5°	3055.9	3029.6	3009.8	3042.8	3332.6	3951.7	4656.4	5176.7	5387.4	5459.9	5519.1
15°	3260.1	3233.8	3161.3	3069.1	3102.1	3596.0	4544.4	5380.8	5716.7	5835.3	5960.4
17.5°	3378.7	3352.3	3293.0	3194.3	3108.6	3299.6	4333.6	5565.2	6237.0	6381.9	6559.7
20°	3444.5	3418.2	3358.9	3260.1	3161.3	3187.7	4063.6	5795.8	6829.8	7060.3	7323.7
22.5°	3457.7	3424.8	3358.9	3260.1	3200.8	3181.1	3806.8	5934.1	7468.6	7824.3	8127.2
25°	3451.1	3391.8	3306.2	3233.8	3200.8	3194.3	3628.9	6013.1	8160.2	8726.6	9069.1
27.5°	3405.0	3332.6	3246.9	3194.3	3181.1	3220.6	3549.9	6105.3	8970.3	9694.7	10241.4
30°	3352.3	3246.9	3141.6	3121.8	3154.7	3279.9	3615.8	6138.2	9819.9	10748.5	11308.3
32.5°	3214.0	3135.0	3029.6	3023.0	3102.1	3326.0	3767.2	6092.1	10570.7	11802.3	12507.0
35°	3016.4	2970.3	2911.1	2930.8	3055.9	3365.5	3872.6	5947.2	11255.6	12783.6	13606.9
37.5°	2667.4	2700.3	2733.2	2779.3	2937.4	3358.9	3918.7	5716.7	11822.0	13567.4	14621.1
40°	2278.8	2390.8	2496.1	2614.7	2825.4	3306.2	3931.9	5433.5	12151.3	14160.1	15523.4
42.5°	2035.1	2140.5	2272.2	2443.4	2674.0	3187.7	3918.7	5117.4	12256.7	14568.4	16096.4
45°	1811.2	1936.3	2101.0	2278.8	2542.2	3016.4	3800.2	4774.9	12309.4	14759.4	16340.1
47.5°	1692.6	1765.1	1916.6	2094.4	2371.0	2805.7	3569.7	4524.6	12230.4	14799.0	16636.5
50°	1554.3	1653.1	1751.9	1923.1	2193.2	2542.2	3293.0	4379.8	12362.1	15187.5	17104.1
52.5°	1448.9	1501.6	1607.0	1765.1	1962.7	2298.5	3029.6	4261.2	12724.3	15582.7	17591.5
55°	1369.9	1429.2	1495.0	1626.8	1778.2	2054.9	2759.6	4083.4	13145.8	16004.2	18078.8
57.5°	1244.8	1284.3	1376.5	1514.8	1613.6	1817.8	2443.4	3872.6	13112.9	15674.9	17235.8
60°	*1132.8*	*1172.3*	*1271.1*	*1409.4*	*1468.7*	*1607.0*	*2133.9*	*3602.6*	*12480.6*	*14601.4*	*15681.5*
62.5°	1007.7	1053.8	1172.3	1271.1	1323.8	1429.2	1811.2	3108.6	11163.4	12987.8	13863.7
65°	955.0	981.3	1060.4	1178.9	1172.3	1271.1	1528.0	2443.4	8983.4	9925.2	10722.2
67.5°	1014.3	1053.8	1040.6	1073.5	1053.8	1106.5	1369.9	1962.7	7060.3	7475.2	7936.2
70°	1001.1	1093.3	1139.4	1073.5	922.1	981.3	1185.5	1567.5	5051.5	5012.0	4992.3
72.5°	876.0	968.2	1099.9	1165.7	902.3	816.7	1027.4	1356.7	3240.4	3227.2	2917.6
75°	744.2	810.1	968.2	1053.8	777.2	658.6	882.5	1152.6	1936.3	1962.7	1751.9
77.5°	685.0	652.0	810.1	928.6	632.3	507.1	711.3	869.4	1066.9	1080.1	1001.1
80°	494.0	474.2	605.9	678.4	480.8	362.2	401.8	540.1	573.0	513.7	533.5
82.5°	316.1	322.7	362.2	434.7	296.4	197.6	276.6	362.2	309.5	250.3	296.4
85°	204.2	230.5	191.0	223.9	92.2	92.2	118.5	158.1	105.4	72.4	79.0
87.5°	0.0	0.0	13.2	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501342
CATALOG NUMBER: GSS-SB5B-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4649.8	4649.8	*4649.8*	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8	4649.8
2.5°	4669.5	4663.0	*4663.0*	4676.1	4709.1	4722.2	4742.0	4735.4	4755.2	4742.0
5°	4761.7	4768.3	*4788.1*	4794.7	4814.4	4840.8	4847.4	4840.8	4854.0	4854.0
7.5°	4946.2	4972.5	*4959.3*	4992.3	4965.9	4933.0	4880.3	4840.8	4807.8	4821.0
10°	5255.7	5242.5	*5235.9*	5176.7	5058.1	4886.9	4748.6	4597.1	4570.7	4544.4
12.5°	5598.2	5585.0	*5585.0*	5380.8	5044.9	4689.3	4373.2	4136.1	4057.0	4050.4
15°	6079.0	5993.3	*5914.3*	5486.2	4814.4	4208.5	3839.7	3655.3	3609.2	3609.2
17.5°	6678.3	6454.4	*6322.7*	5407.2	4439.0	3892.4	3675.0	3628.9	3615.8	3648.7
20°	7422.5	6856.1	*6665.1*	5229.4	4300.7	3931.9	3826.5	3833.1	3839.7	3885.8
22.5°	8239.2	7224.9	*6908.8*	5229.4	4439.0	4182.2	4129.5	4201.9	4221.7	4261.2
25°	9148.1	7554.2	*7126.2*	5506.0	4847.4	4656.4	4590.5	4663.0	4715.6	4781.5
27.5°	10168.9	7896.7	*7501.6*	6006.5	5374.3	5255.7	5183.3	5216.2	5288.6	5367.7
30°	11084.4	8469.7	*8074.6*	6770.5	6092.1	5947.2	5822.1	5874.8	5953.8	6006.5
32.5°	11894.5	9167.8	*8832.0*	7574.0	6915.4	6665.1	6526.8	6513.6	6671.7	6632.2
35°	12638.7	9991.1	*9668.4*	8489.5	7751.8	7442.3	7257.9	7495.0	7389.6	7429.1
37.5°	13224.9	10847.3	*10590.4*	9365.4	8621.2	8199.7	8087.7	8377.5	8542.2	8588.3
40°	13705.7	11591.5	*11321.5*	10234.8	9418.1	9108.6	9286.4	9767.2	9747.4	9727.7
42.5°	14074.5	12230.4	*11934.0*	10893.4	10182.1	10241.4	10379.7	10702.4	10781.4	10669.5
45°	14239.1	12632.1	*12395.0*	11413.7	11051.5	11393.9	11453.2	11591.5	11538.8	11466.4
47.5°	14430.1	12987.8	*12737.5*	11887.9	11993.3	12329.2	12210.6	12098.7	11907.7	11795.7
50°	14752.9	13409.3	*13198.5*	12579.4	12961.4	12849.5	12388.4	12138.2	11749.6	11617.9
52.5°	15365.4	14206.2	*14048.1*	13672.7	13415.9	12770.4	12210.6	11762.8	11328.1	11150.3
55°	15912.0	15286.3	*15194.1*	14693.6	13277.6	12355.5	11604.7	10913.2	10168.9	10017.4
57.5°	16228.1	17077.7	*17183.1*	15128.3	12645.3	11413.7	10307.2	9200.8	8496.1	8370.9
60°	*15286.3*	*19014.1*	*19066.7*	*15042.6*	*11505.9*	*9714.5*	*8028.4*	*7244.7*	*6487.3*	*6270.0*
62.5°	13988.9	18612.3	*18566.2*	14528.9	9161.3	7086.6	6098.7	5729.9	5143.7	4965.9
65°	12026.2	15503.7	*15556.4*	12553.1	6092.1	5124.0	5124.0	4656.4	4004.3	3879.2
67.5°	9800.1	11953.8	*11835.2*	8140.4	3740.9	4103.1	4300.7	3628.9	2713.5	2562.0
70°	6368.8	9128.3	*8963.7*	4695.9	2351.2	3418.2	3385.3	2726.6	1942.9	1837.5
72.5°	2739.8	5275.5	*5611.4*	2397.3	1771.7	2753.0	2700.3	1910.0	1297.5	1251.4
75°	1653.1	2654.2	*2891.3*	1528.0	1290.9	2074.6	1870.5	1211.8	882.5	849.6
77.5°	1047.2	1455.5	*1442.4*	1146.0	968.2	1402.8	1257.9	836.4	599.3	573.0
80°	605.9	717.9	*744.2*	717.9	652.0	1001.1	803.5	605.9	467.6	434.7
82.5°	388.6	447.9	*454.4*	349.1	362.2	645.4	434.7	355.6	270.0	243.7
85°	171.2	191.0	*184.4*	118.5	118.5	263.4	151.5	144.9	105.4	105.4
87.5°	6.6	13.2	*6.6*	6.6	6.6	26.3	13.2	19.8	19.8	19.8
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

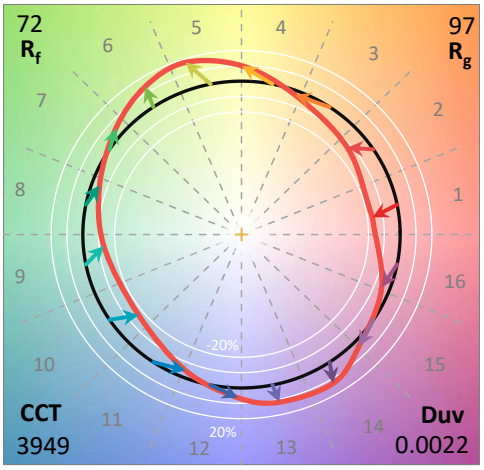
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

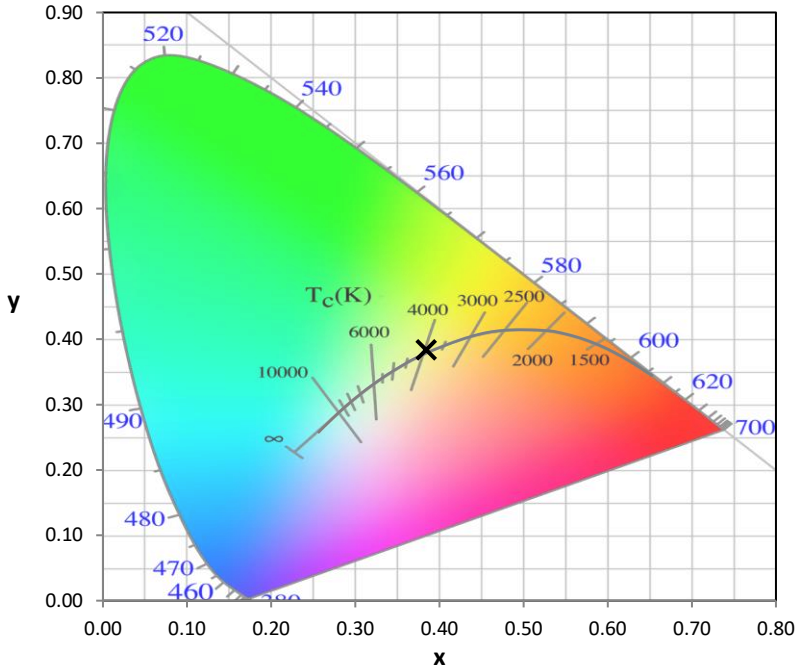
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

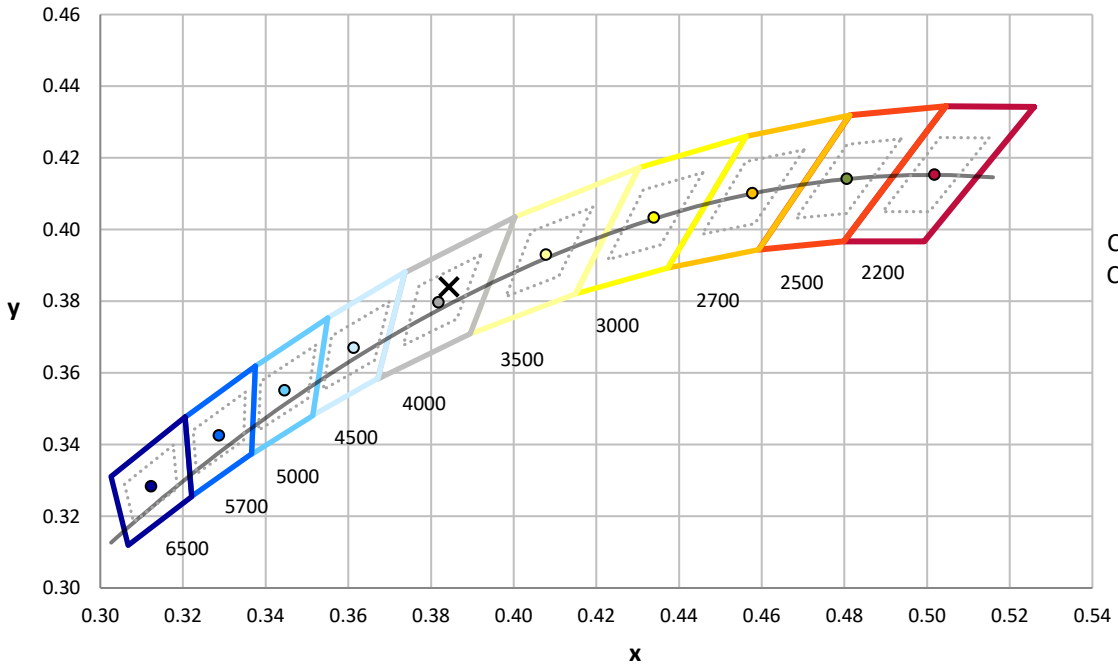
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

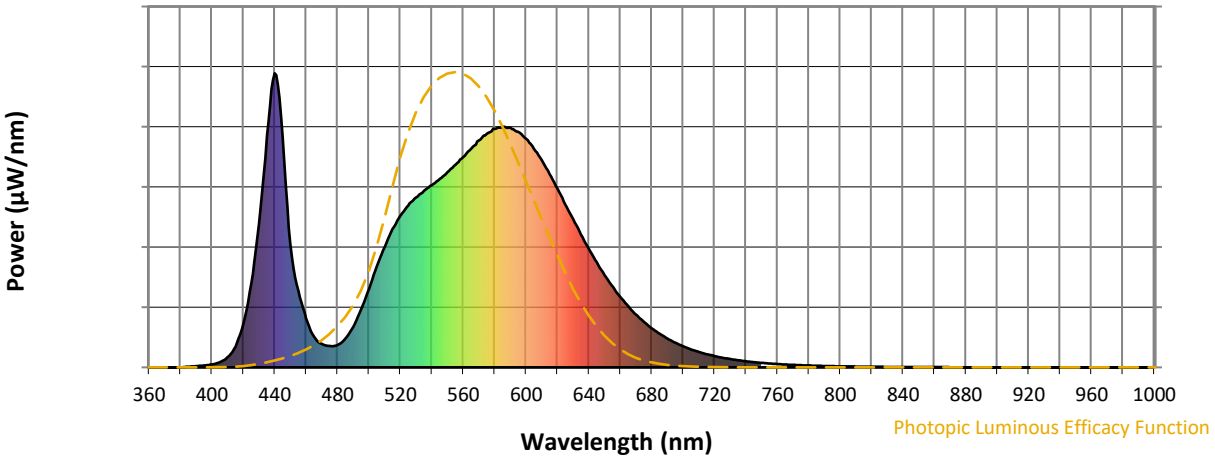


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

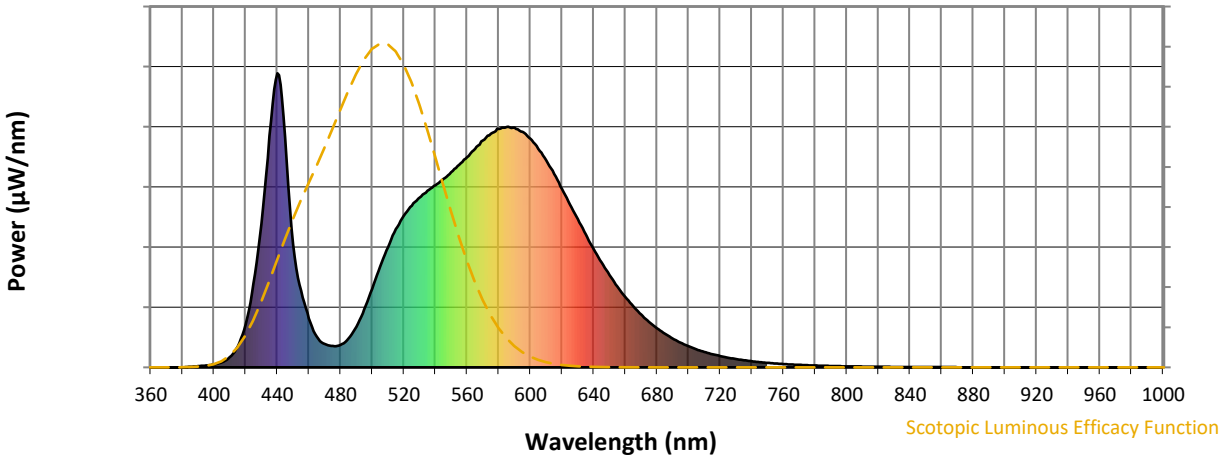


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

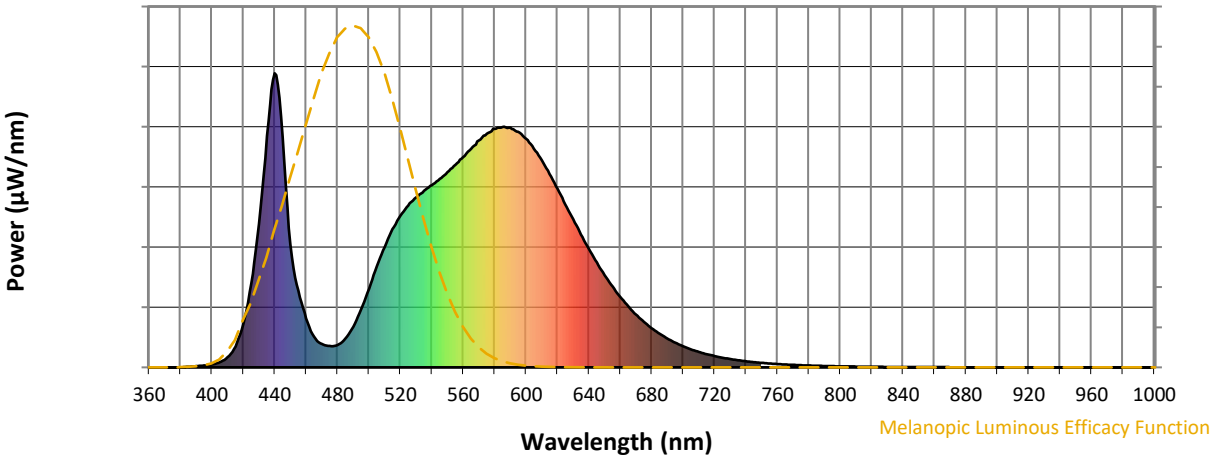


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

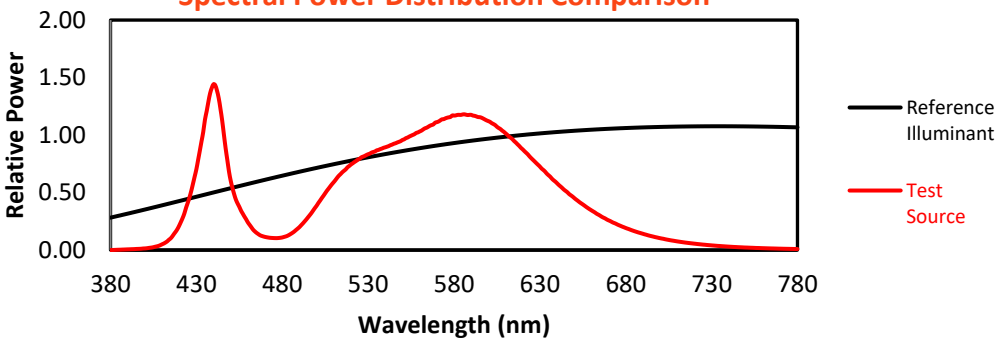
REPORT NUMBER: SP1-2407-184-1

TM-30-18

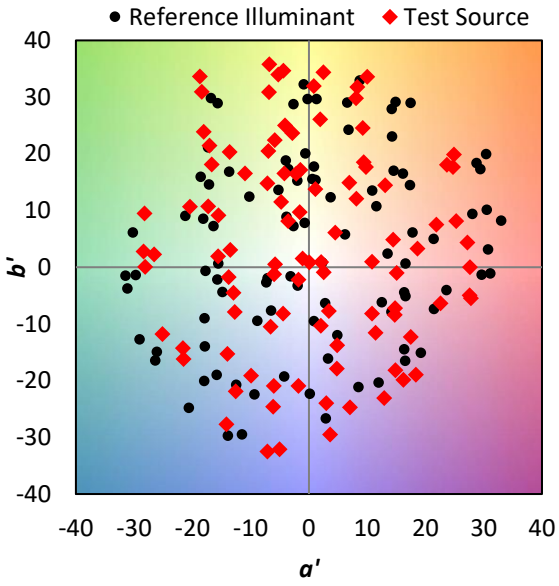
Summary

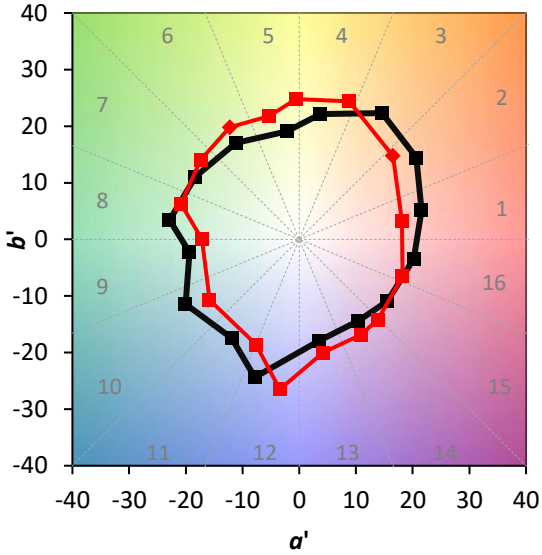
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

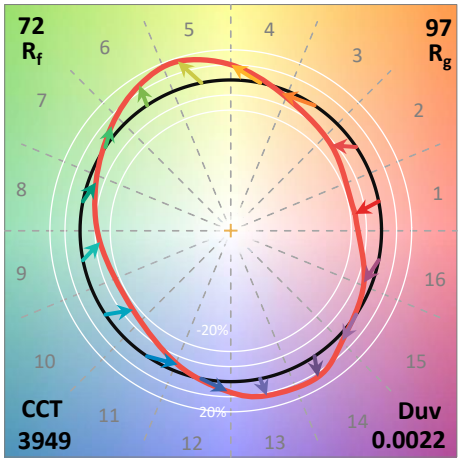
Spectral Power Distribution Comparison

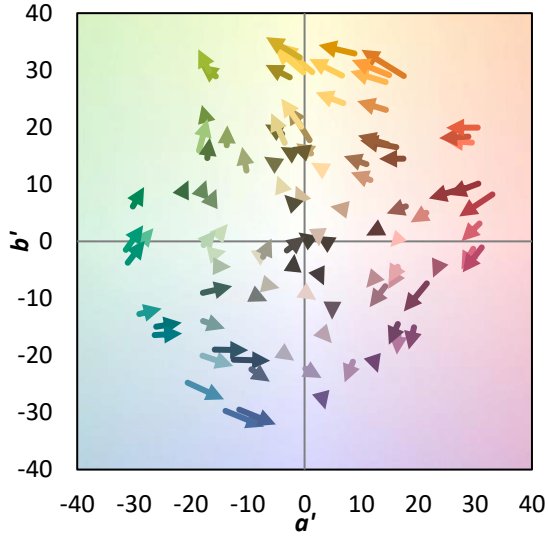


Color Vector Graphics







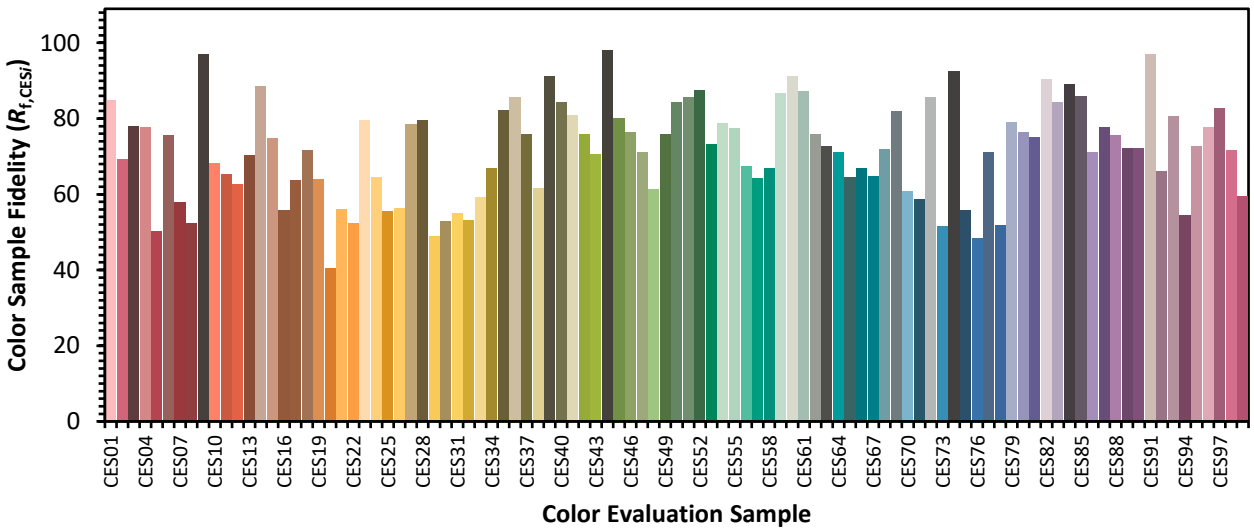


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Individual Sample Fidelity Index ($R_{f,i}$)

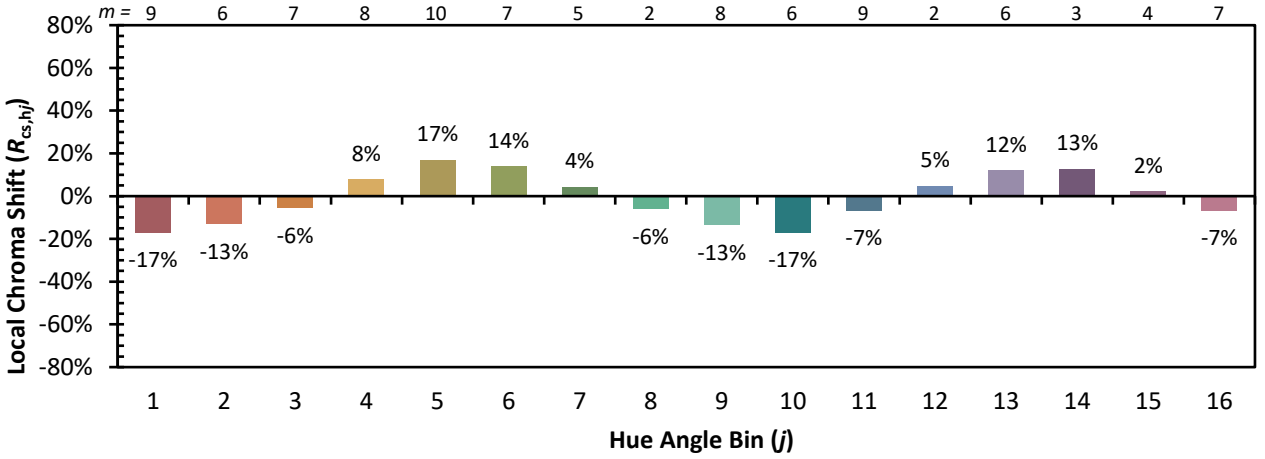
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

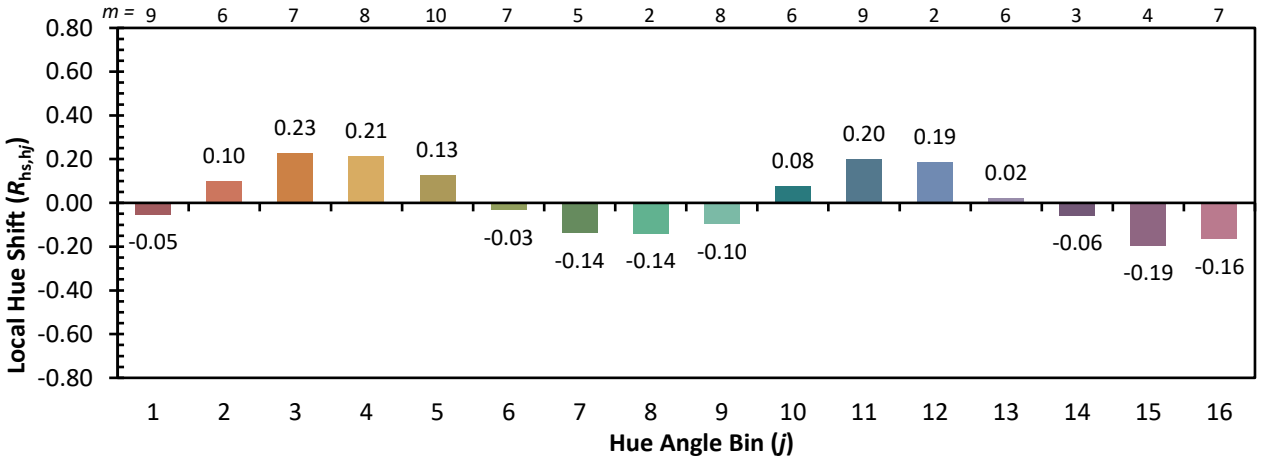


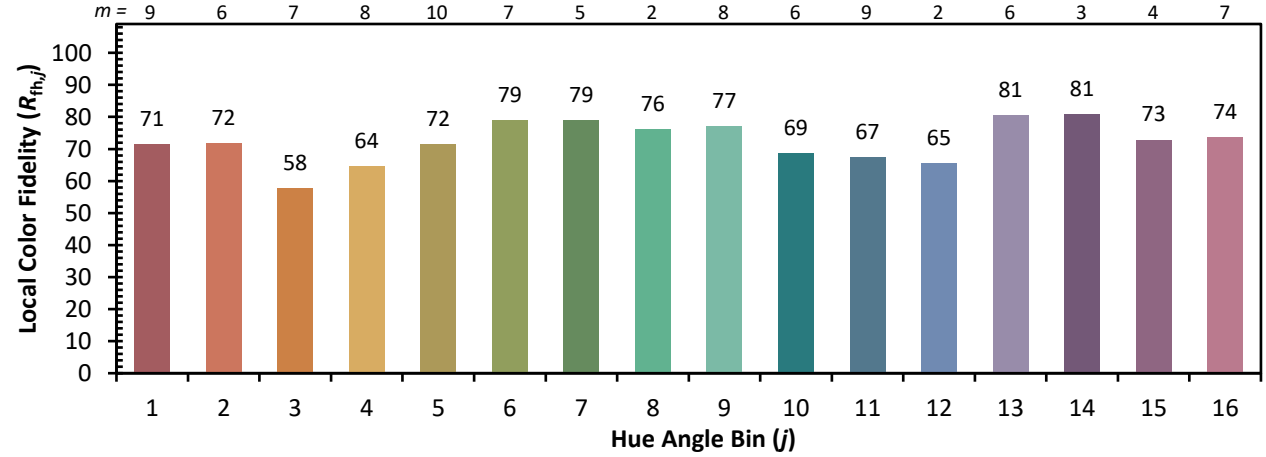
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Color Rendition by Hue-Angle Bin



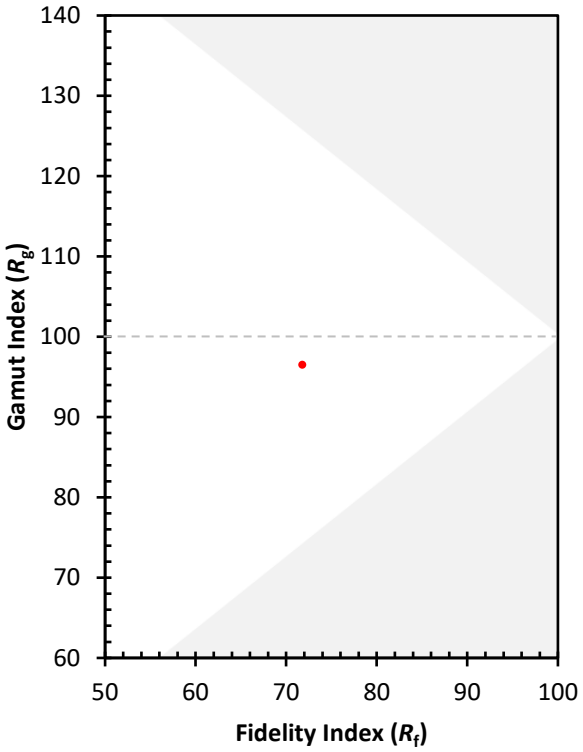


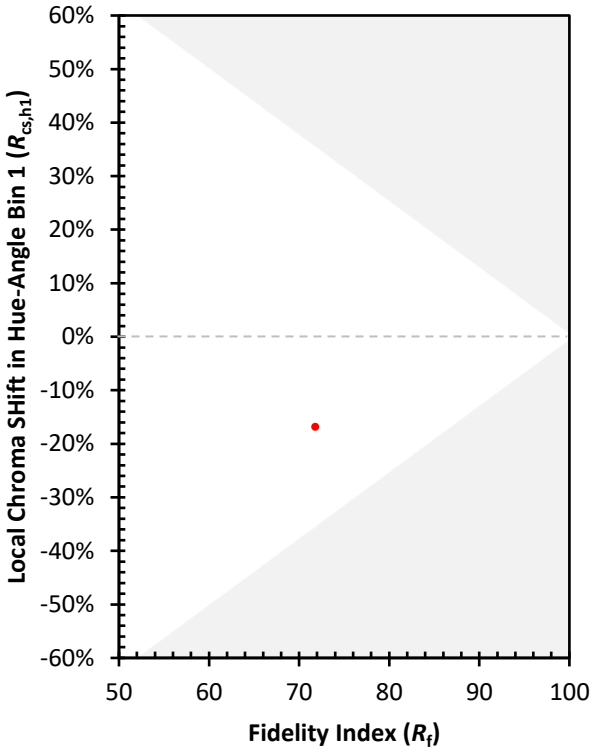


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Measure Comparisons





(END OF REPORT)