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: P1501341

Luminaire Tested: GSS-SB5A-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:	P1501341
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-740-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 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:	22938.8 lumens
Efficiency:	N/A
Efficacy:	160.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

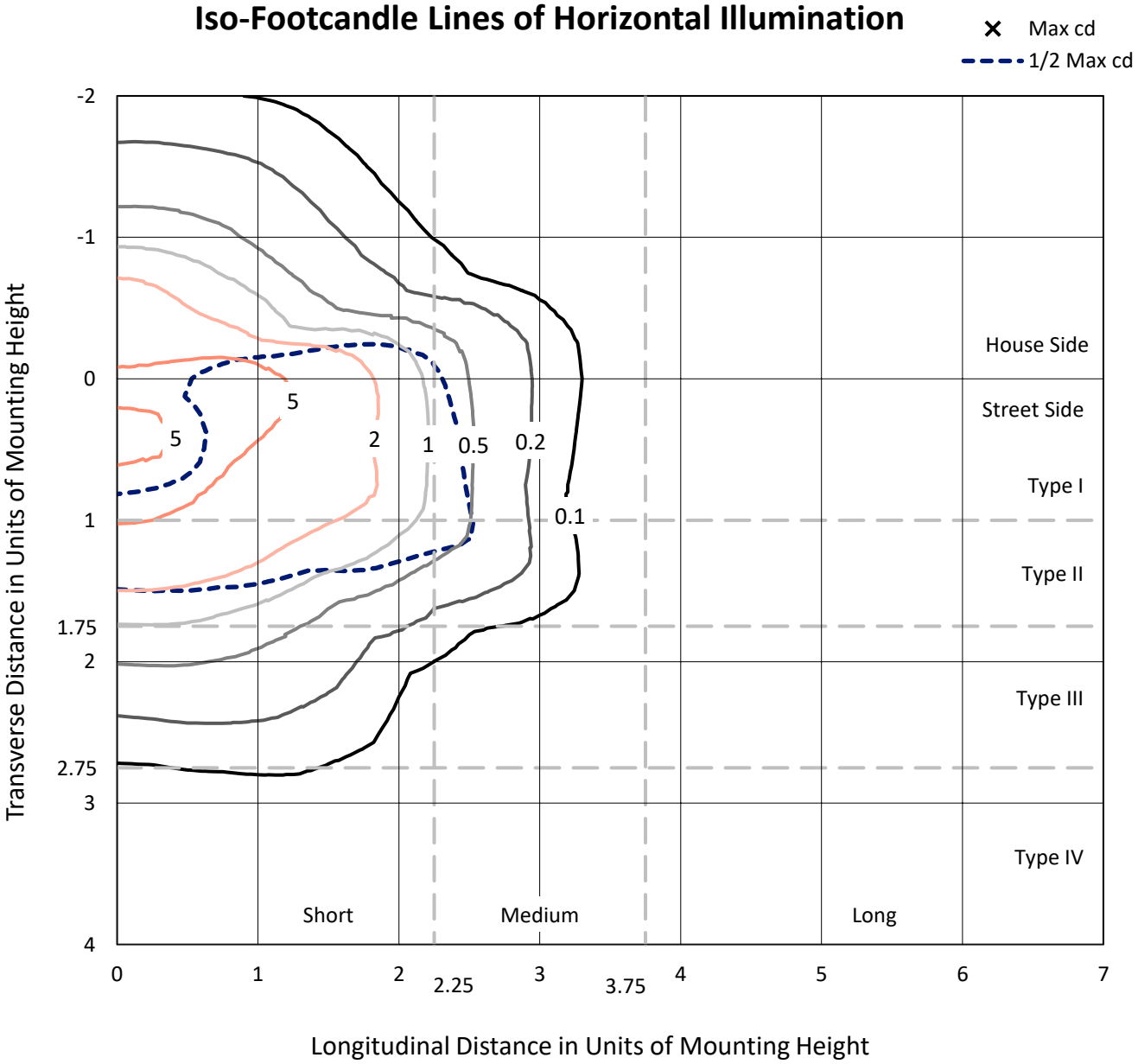
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



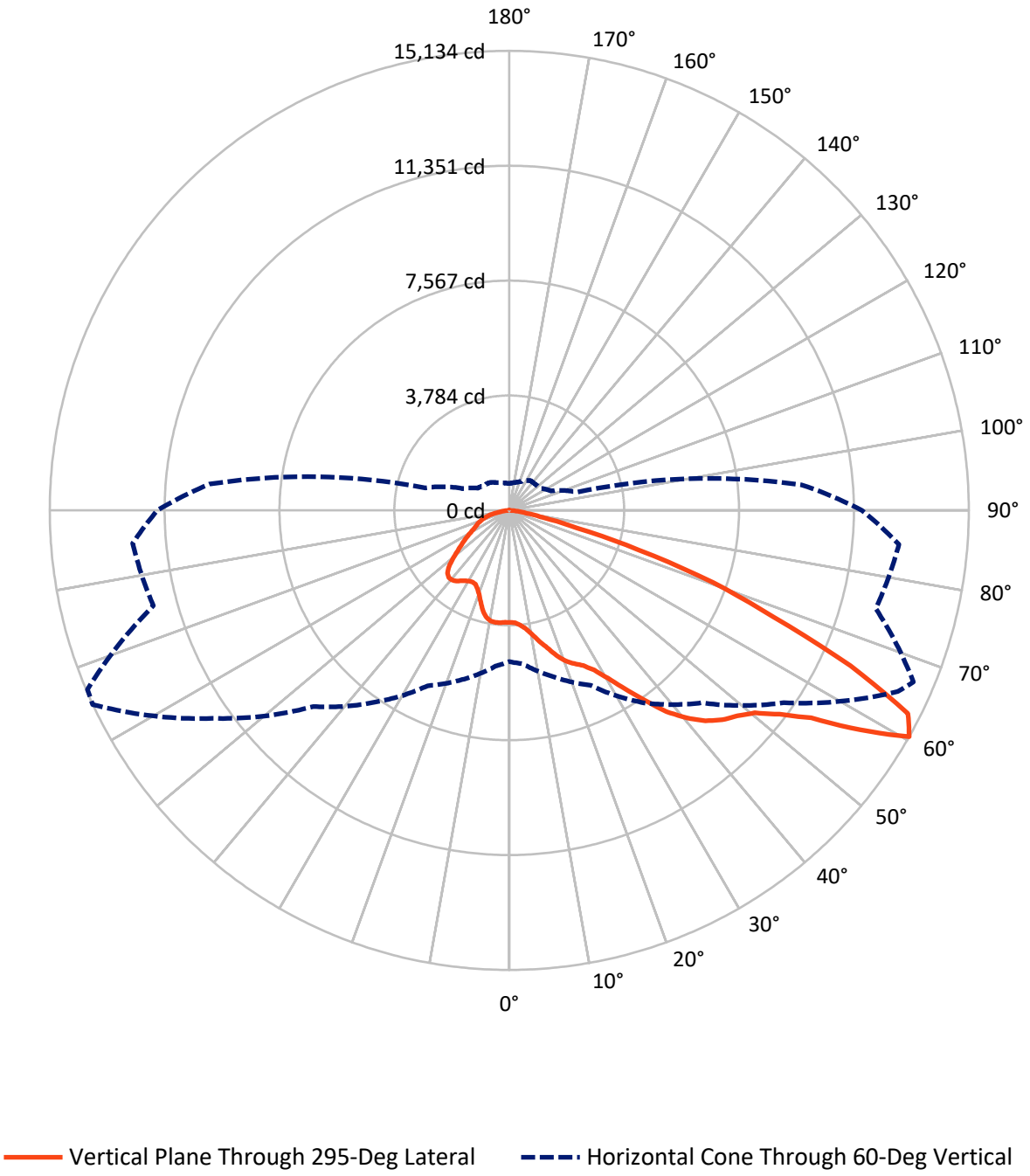
Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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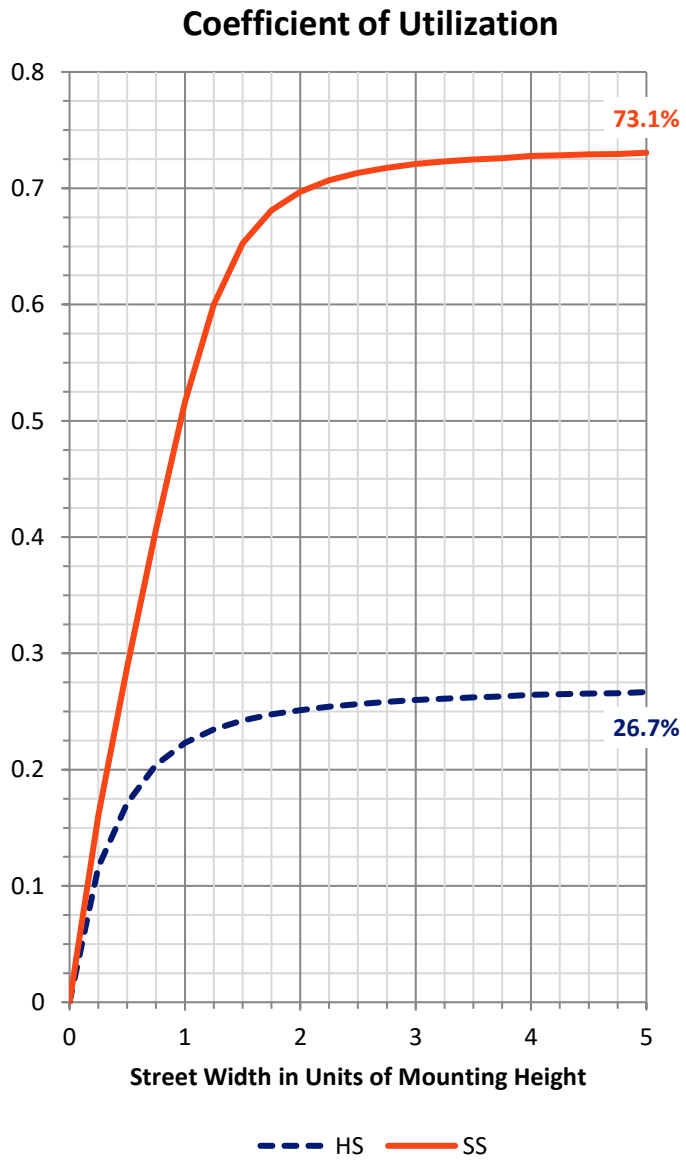
REPORT NUMBER: P1501341
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6168.5	0.0	6168.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	16770.3	0.0	16770.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	22938.8	0.0	22938.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.0	1.5
10°-20°	997.6	4.3
20°-30°	1889.6	8.2
30°-40°	3331.2	14.5
40°-50°	4926.5	21.5
50°-60°	5785.0	25.2
60°-70°	4191.5	18.3
70°-80°	1292.6	5.6
80°-90°	177.9	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°	22938.8	100.0
0°-180°	22938.8	100.0



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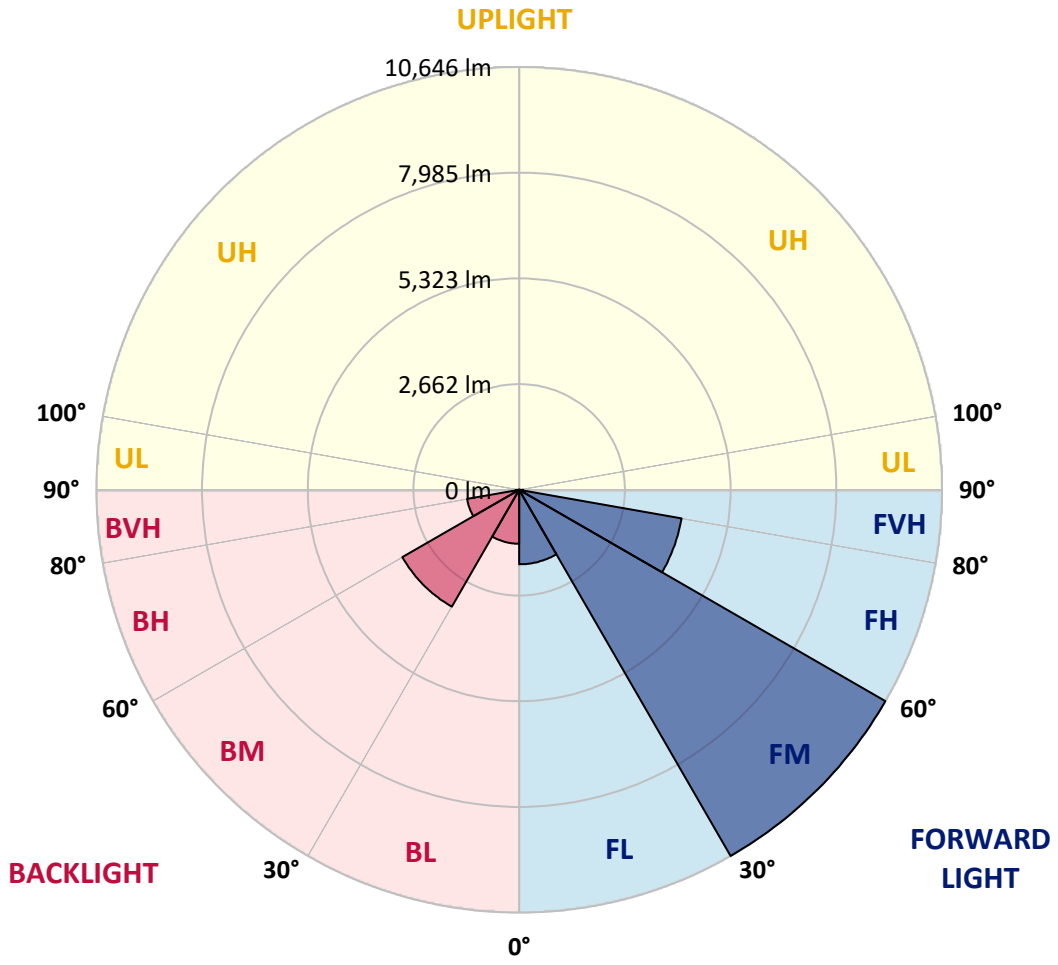
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1875.6	8.2			
FM	(30°-60°)	10646.1	46.4			
FH	(60°-80°)	4152.6	18.1			G2/5000
FVH	(80°-90°)	96.0	0.4			G1/100
BL	(0°-30°)	1358.5	5.9	B3/2500		
BM	(30°-60°)	3396.6	14.8	B3/5000		
BH	(60°-80°)	1331.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	82.0	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°	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8
2.5°	3763.9	3774.4	3758.7	3769.2	3769.2	3753.5	3748.3	3727.3	3737.8	3732.6	3727.3
5°	3852.8	3858.0	3847.6	3863.3	3863.3	3868.5	3863.3	3837.1	3837.1	3837.1	3826.7
7.5°	3826.7	3826.7	3831.9	3884.2	3936.5	4004.4	4004.4	3994.0	4004.4	3999.2	3952.1
10°	3607.1	3628.0	3675.1	3805.8	3931.2	4077.6	4176.9	4208.3	4208.3	4213.5	4135.1
12.5°	3215.0	3230.7	3340.5	3539.1	3800.5	4067.1	4307.6	4464.5	4480.1	4506.3	4401.7
15°	2864.8	2875.2	2953.6	3157.5	3455.5	3926.0	4380.8	4704.9	4757.2	4867.0	4710.2
17.5°	2896.1	2890.9	2911.8	2990.2	3204.6	3696.0	4365.1	4987.2	5081.3	5274.7	5138.8
20°	3084.3	3084.3	3100.0	3115.7	3194.1	3528.7	4250.1	5217.2	5400.2	5776.6	5619.8
22.5°	3382.3	3382.3	3377.1	3403.2	3403.2	3601.9	4255.3	5389.8	5661.6	6336.0	6184.4
25°	3795.3	3774.4	3774.4	3784.9	3737.8	3878.9	4386.0	5567.5	5923.0	6999.9	6869.2
27.5°	4260.6	4276.3	4265.8	4229.2	4166.5	4276.3	4699.7	5844.6	6215.7	7700.4	7648.1
30°	4767.7	4772.9	4783.3	4762.4	4710.2	4788.6	5191.1	6262.8	6602.6	8432.3	8547.3
32.5°	5264.3	5337.5	5311.3	5259.1	5280.0	5421.1	5797.5	6827.4	7177.6	9111.9	9519.6
35°	5896.8	5923.0	6027.5	5834.1	5839.3	6079.8	6571.2	7569.7	7909.5	9817.6	10492.0
37.5°	6816.9	6864.0	6816.9	6513.7	6466.7	6801.2	7324.0	8301.6	8547.3	10350.8	11396.4
40°	7721.3	7778.8	7857.2	7501.7	7203.8	7480.8	8035.0	8860.9	9117.1	10643.6	11997.6
42.5°	8468.9	8563.0	8479.3	8374.8	8102.9	8155.2	8531.6	9294.8	9551.0	11014.8	12604.0
45°	9101.4	9117.1	9153.7	9080.5	8944.6	8897.5	8955.0	9676.5	9958.8	11182.0	12902.0
47.5°	9362.8	9430.8	9462.1	9587.6	9728.7	9634.6	9315.8	9854.2	10110.4	11171.6	12996.0
50°	9221.7	9289.6	9456.9	9754.9	10094.7	10262.0	9739.2	10099.9	10387.4	11359.8	13189.5
52.5°	8850.5	8923.7	9195.5	9535.3	10105.1	10486.8	10335.2	10612.2	10889.3	11694.4	13513.6
55°	7951.3	8061.1	8442.7	9007.3	9791.5	10366.5	10962.5	11365.0	11668.2	12096.9	13848.2
57.5°	6644.4	6759.4	7188.1	8035.0	9211.2	9869.9	11145.4	12776.5	12912.4	12577.8	13879.5
60°	*4976.8*	*5070.9*	*5677.3*	*6356.9*	*7737.0*	*8960.3*	*11040.9*	*14114.8*	*14459.8*	*12494.2*	*12881.0*
62.5°	3941.7	4056.7	4595.1	4908.8	5896.8	7402.4	10675.0	14485.9	14783.9	11804.1	11490.5
65°	3079.1	3157.5	3659.4	4109.0	4349.4	5055.2	9148.5	12671.9	12938.5	10680.2	9483.0
67.5°	2033.6	2153.8	2749.8	3366.6	3492.1	3215.0	6294.1	9749.7	9875.1	8489.8	7130.6
70°	1458.5	1516.0	1960.4	2619.1	2807.3	2153.8	3429.4	7381.5	7418.1	5698.2	4804.3
72.5°	993.3	1003.7	1333.1	2007.4	2237.5	1563.1	1887.2	4861.8	4736.3	2812.5	2749.8
75°	674.4	684.8	852.1	1338.3	1584.0	1087.4	1228.5	2650.4	2545.9	1552.6	1667.6
77.5°	454.8	465.3	585.5	899.2	1056.0	752.8	899.2	1401.0	1374.9	1029.9	893.9
80°	345.0	360.7	433.9	575.0	737.1	439.1	512.3	663.9	674.4	548.9	454.8
82.5°	193.4	214.3	261.4	292.8	475.7	245.7	245.7	397.3	381.6	339.8	245.7
85°	83.6	88.9	104.6	109.8	193.4	104.6	88.9	172.5	177.7	167.3	78.4
87.5°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	20.9	20.9	20.9	20.9
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°	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8
2.5°	3701.2	3732.6	3701.2	3685.5	3685.5	3659.4	3648.9	3648.9	3612.3	3628.0	3617.6
5°	3784.9	3795.3	3758.7	3711.7	3648.9	3596.7	3523.5	3429.4	3371.9	3366.6	3371.9
7.5°	3915.5	3920.8	3821.4	3716.9	3560.1	3371.9	3147.1	2964.1	2802.0	2775.9	2807.3
10°	4098.5	4088.1	3941.7	3696.0	3366.6	2969.3	2624.3	2457.0	2362.9	2357.7	2352.5
12.5°	4344.2	4276.3	4051.5	3607.1	3032.1	2572.0	2394.3	2383.8	2410.0	2430.9	2436.1
15°	4626.5	4537.6	4140.3	3434.6	2692.3	2425.7	2436.1	2525.0	2556.3	2577.3	2577.3
17.5°	4976.8	4861.8	4239.7	3188.9	2519.7	2457.0	2530.2	2613.8	2666.1	2687.0	2681.8
20°	5442.0	5201.6	4318.1	2953.6	2472.7	2509.3	2572.0	2655.7	2707.9	2734.1	2734.1
22.5°	5907.3	5609.3	4333.8	2791.6	2472.7	2514.5	2572.0	2655.7	2713.2	2739.3	2734.1
25°	6539.8	6132.1	4339.0	2676.6	2477.9	2488.4	2540.7	2613.8	2697.5	2723.6	2734.1
27.5°	7214.2	6707.1	4365.1	2650.4	2457.0	2451.8	2488.4	2556.3	2640.0	2707.9	2713.2
30°	8050.7	7355.4	4375.6	2676.6	2462.2	2394.3	2420.4	2488.4	2577.3	2645.2	2666.1
32.5°	8871.4	7956.6	4354.7	2734.1	2472.7	2357.7	2362.9	2404.7	2498.8	2545.9	2582.5
35°	9739.2	8594.3	4318.1	2812.5	2477.9	2342.0	2295.0	2315.9	2378.6	2383.8	2399.5
37.5°	10418.8	9070.1	4208.3	2917.1	2488.4	2284.5	2190.4	2174.7	2148.6	2096.3	2106.8
40°	10978.2	9388.9	4025.3	2969.3	2462.2	2216.5	2059.7	1986.5	1887.2	1808.8	1824.5
42.5°	11380.7	9603.3	3805.8	2979.8	2420.4	2101.5	1908.1	1782.6	1672.9	1589.2	1594.4
45°	11558.4	9582.4	3570.5	2901.4	2321.1	1960.4	1767.0	1646.7	1526.5	1437.6	1427.2
47.5°	11563.7	9378.5	3246.4	2713.2	2153.8	1798.3	1636.3	1505.6	1406.2	1343.5	1338.3
50°	11605.5	9263.5	2943.2	2441.3	1934.2	1625.8	1521.3	1390.6	1333.1	1244.2	1218.1
52.5°	11866.9	9451.7	2734.1	2143.4	1730.4	1500.3	1421.9	1306.9	1212.8	1155.3	1150.1
55°	12290.3	9775.8	2619.1	1918.6	1536.9	1380.1	1327.8	1228.5	1144.9	1087.4	1071.7
57.5°	12342.6	9943.1	2483.2	1709.5	1380.1	1286.0	1265.1	1155.3	1035.1	993.3	977.6
60°	*11610.7*	*9660.8*	*2315.9*	*1516.0*	*1265.1*	*1212.8*	*1202.4*	*1056.0*	*956.7*	*904.4*	*883.5*
62.5°	10612.2	8955.0	2059.7	1338.3	1176.2	1139.6	1097.8	982.8	857.3	799.8	784.2
65°	8672.7	7527.9	1751.3	1218.1	1087.4	1045.5	1035.1	878.3	794.6	763.2	758.0
67.5°	6571.2	6048.4	1542.2	1129.2	993.3	977.6	941.0	888.7	852.1	815.5	805.1
70°	4647.4	4365.1	1312.2	1014.2	899.2	873.0	1024.6	967.1	836.4	789.4	784.2
72.5°	2817.7	2739.3	1134.4	909.6	773.7	815.5	946.2	873.0	752.8	695.3	674.4
75°	1777.4	1625.8	951.4	773.7	616.9	663.9	826.0	778.9	648.2	590.7	575.0
77.5°	967.1	899.2	716.2	632.6	486.2	538.5	721.4	643.0	517.5	564.6	501.9
80°	423.4	470.5	475.7	365.9	324.1	397.3	517.5	501.9	397.3	402.5	334.6
82.5°	203.9	266.6	308.4	250.9	183.0	235.2	345.0	287.5	266.6	250.9	240.5
85°	62.7	99.3	135.9	120.2	83.6	99.3	162.1	156.8	188.2	162.1	151.6
87.5°	20.9	20.9	15.7	15.7	15.7	20.9	26.1	15.7	5.2	5.2	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8
2.5°	3612.3	3617.6	3617.6	3622.8	3622.8	3638.5	3659.4	3680.3	3664.6	3685.5	3690.8
5°	3361.4	3387.5	3408.5	3486.9	3549.6	3601.9	3659.4	3711.7	3727.3	3737.8	3763.9
7.5°	2770.7	2843.9	2979.8	3157.5	3356.2	3549.6	3680.3	3816.2	3837.1	3863.3	3899.9
10°	2357.7	2389.1	2483.2	2666.1	3021.6	3403.2	3722.1	3936.5	4025.3	4077.6	4114.2
12.5°	2425.7	2404.7	2389.1	2415.2	2645.2	3136.6	3696.0	4109.0	4276.3	4333.8	4380.8
15°	2587.7	2566.8	2509.3	2436.1	2462.2	2854.3	3607.1	4271.0	4537.6	4631.7	4731.1
17.5°	2681.8	2660.9	2613.8	2535.4	2467.5	2619.1	3439.8	4417.4	4950.6	5065.6	5206.8
20°	2734.1	2713.2	2666.1	2587.7	2509.3	2530.2	3225.5	4600.4	5421.1	5604.1	5813.2
22.5°	2744.5	2718.4	2666.1	2587.7	2540.7	2525.0	3021.6	4710.2	5928.2	6210.5	6451.0
25°	2739.3	2692.3	2624.3	2566.8	2540.7	2535.4	2880.5	4772.9	6477.1	6926.7	7198.5
27.5°	2702.7	2645.2	2577.3	2535.4	2525.0	2556.3	2817.7	4846.1	7120.1	7695.2	8129.1
30°	2660.9	2577.3	2493.6	2477.9	2504.1	2603.4	2870.0	4872.2	7794.5	8531.6	8976.0
32.5°	2551.1	2488.4	2404.7	2399.5	2462.2	2640.0	2990.2	4835.6	8390.5	9368.0	9927.4
35°	2394.3	2357.7	2310.6	2326.3	2425.7	2671.4	3073.9	4720.6	8934.1	10147.0	10800.4
37.5°	2117.2	2143.4	2169.5	2206.1	2331.6	2666.1	3110.5	4537.6	9383.7	10769.1	11605.5
40°	1808.8	1897.7	1981.3	2075.4	2242.7	2624.3	3120.9	4312.8	9645.1	11239.5	12321.7
42.5°	1615.4	1699.0	1803.6	1939.5	2122.4	2530.2	3110.5	4061.9	9728.7	11563.7	12776.5
45°	1437.6	1536.9	1667.6	1808.8	2017.9	2394.3	3016.4	3790.1	9770.6	11715.3	12969.9
47.5°	1343.5	1401.0	1521.3	1662.4	1882.0	2227.0	2833.4	3591.4	9707.8	11746.6	13205.2
50°	1233.7	1312.2	1390.6	1526.5	1740.8	2017.9	2613.8	3476.4	9812.4	12055.1	13576.3
52.5°	1150.1	1191.9	1275.6	1401.0	1557.9	1824.5	2404.7	3382.3	10099.9	12368.7	13963.2
55°	1087.4	1134.4	1186.7	1291.2	1411.5	1631.0	2190.4	3241.2	10434.5	12703.3	14350.0
57.5°	988.0	1019.4	1092.6	1202.4	1280.8	1442.8	1939.5	3073.9	10408.3	12441.9	13680.9
60°	*899.2*	*930.5*	*1008.9*	*1118.7*	*1165.8*	*1275.6*	*1693.8*	*2859.5*	*9906.5*	*11589.8*	*12447.1*
62.5°	799.8	836.4	930.5	1008.9	1050.8	1134.4	1437.6	2467.5	8860.9	10309.0	11004.3
65°	758.0	778.9	841.7	935.8	930.5	1008.9	1212.8	1939.5	7130.6	7878.1	8510.7
67.5°	805.1	836.4	826.0	852.1	836.4	878.3	1087.4	1557.9	5604.1	5933.4	6299.4
70°	794.6	867.8	904.4	852.1	731.9	778.9	941.0	1244.2	4009.6	3978.3	3962.6
72.5°	695.3	768.5	873.0	925.3	716.2	648.2	815.5	1076.9	2572.0	2561.6	2315.9
75°	590.7	643.0	768.5	836.4	616.9	522.8	700.5	914.8	1536.9	1557.9	1390.6
77.5°	543.7	517.5	643.0	737.1	501.9	402.5	564.6	690.1	846.9	857.3	794.6
80°	392.1	376.4	480.9	538.5	381.6	287.5	318.9	428.7	454.8	407.8	423.4
82.5°	250.9	256.2	287.5	345.0	235.2	156.8	219.6	287.5	245.7	198.7	235.2
85°	162.1	183.0	151.6	177.7	73.2	73.2	94.1	125.5	83.6	57.5	62.7
87.5°	0.0	0.0	10.5	20.9	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: P1501341
CATALOG NUMBER: GSS-SB5A-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3690.8	3690.8	*3690.8*	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8	3690.8
2.5°	3706.4	3701.2	*3701.2*	3711.7	3737.8	3748.3	3763.9	3758.7	3774.4	3763.9
5°	3779.6	3784.9	*3800.5*	3805.8	3821.4	3842.4	3847.6	3842.4	3852.8	3852.8
7.5°	3926.0	3946.9	*3936.5*	3962.6	3941.7	3915.5	3873.7	3842.4	3816.2	3826.7
10°	4171.7	4161.2	*4156.0*	4109.0	4014.9	3878.9	3769.2	3648.9	3628.0	3607.1
12.5°	4443.5	4433.1	*4433.1*	4271.0	4004.4	3722.1	3471.2	3283.0	3220.3	3215.0
15°	4825.2	4757.2	*4694.5*	4354.7	3821.4	3340.5	3047.7	2901.4	2864.8	2864.8
17.5°	5300.9	5123.1	*5018.6*	4291.9	3523.5	3089.6	2917.1	2880.5	2870.0	2896.1
20°	5891.6	5442.0	*5290.4*	4150.8	3413.7	3120.9	3037.3	3042.5	3047.7	3084.3
22.5°	6539.8	5734.8	*5483.9*	4150.8	3523.5	3319.6	3277.8	3335.3	3351.0	3382.3
25°	7261.3	5996.2	*5656.4*	4370.4	3847.6	3696.0	3643.7	3701.2	3743.0	3795.3
27.5°	8071.6	6268.0	*5954.3*	4767.7	4265.8	4171.7	4114.2	4140.3	4197.8	4260.6
30°	8798.2	6722.8	*6409.2*	5374.1	4835.6	4720.6	4621.3	4663.1	4725.8	4767.7
32.5°	9441.2	7277.0	*7010.3*	6011.8	5489.1	5290.4	5180.6	5170.2	5295.7	5264.3
35°	10031.9	7930.4	*7674.3*	6738.5	6153.0	5907.3	5760.9	5949.1	5865.5	5896.8
37.5°	10497.2	8610.0	*8406.1*	7433.8	6843.1	6508.5	6419.6	6649.6	6780.3	6816.9
40°	10878.8	9200.7	*8986.4*	8123.8	7475.6	7229.9	7371.0	7752.7	7737.0	7721.3
42.5°	11171.6	9707.8	*9472.6*	8646.6	8082.0	8129.1	8238.8	8495.0	8557.7	8468.9
45°	11302.3	10026.7	*9838.5*	9059.6	8772.1	9043.9	9091.0	9200.7	9158.9	9101.4
47.5°	11453.9	10309.0	*10110.4*	9436.0	9519.6	9786.2	9692.1	9603.3	9451.7	9362.8
50°	11710.0	10643.6	*10476.3*	9984.9	10288.1	10199.2	9833.3	9634.6	9326.2	9221.7
52.5°	12196.2	11276.1	*11150.7*	10852.7	10648.8	10136.5	9692.1	9336.7	8991.6	8850.5
55°	12630.1	12133.5	*12060.3*	11663.0	10539.0	9807.2	9211.2	8662.3	8071.6	7951.3
57.5°	12881.0	13555.4	*13639.1*	12008.0	10037.2	9059.6	8181.3	7303.1	6743.7	6644.4
60°	*12133.5*	*15092.4*	*15134.2*	*11940.1*	*9132.8*	*7710.8*	*6372.6*	*5750.5*	*5149.3*	*4976.8*
62.5°	11103.6	14773.5	*14736.9*	11532.3	7271.7	5625.0	4840.8	4548.1	4082.8	3941.7
65°	9545.8	12306.0	*12347.8*	9964.0	4835.6	4067.1	4067.1	3696.0	3178.4	3079.1
67.5°	7778.8	9488.3	*9394.2*	6461.4	2969.3	3256.9	3413.7	2880.5	2153.8	2033.6
70°	5055.2	7245.6	*7114.9*	3727.3	1866.3	2713.2	2687.0	2164.3	1542.2	1458.5
72.5°	2174.7	4187.4	*4454.0*	1902.9	1406.2	2185.2	2143.4	1516.0	1029.9	993.3
75°	1312.2	2106.8	*2295.0*	1212.8	1024.6	1646.7	1484.7	961.9	700.5	674.4
77.5°	831.2	1155.3	*1144.9*	909.6	768.5	1113.5	998.5	663.9	475.7	454.8
80°	480.9	569.8	*590.7*	569.8	517.5	794.6	637.8	480.9	371.2	345.0
82.5°	308.4	355.5	*360.7*	277.1	287.5	512.3	345.0	282.3	214.3	193.4
85°	135.9	151.6	*146.4*	94.1	94.1	209.1	120.2	115.0	83.6	83.6
87.5°	5.2	10.5	*5.2*	5.2	5.2	20.9	10.5	15.7	15.7	15.7
90°	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

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

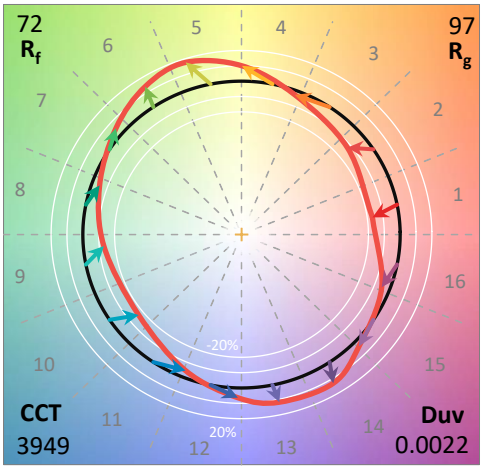
Test Information

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

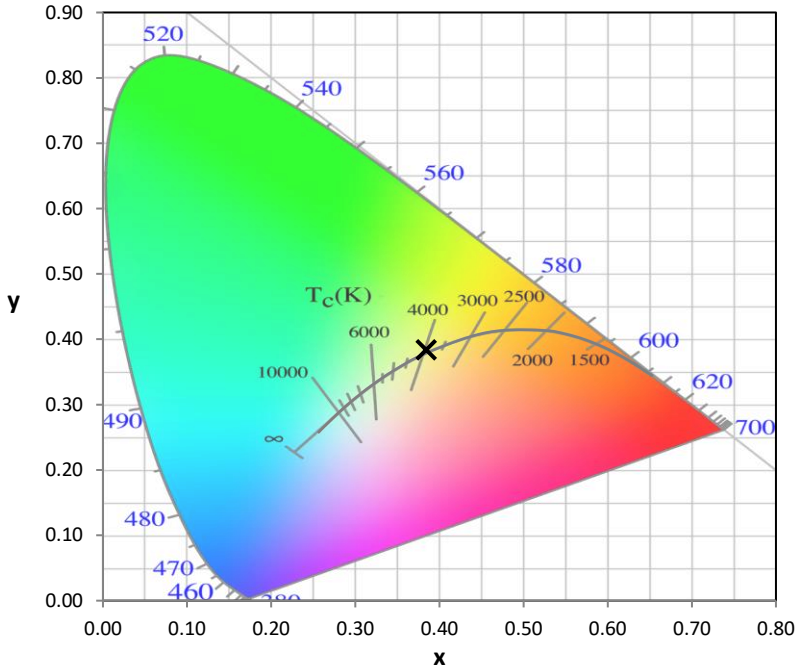
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

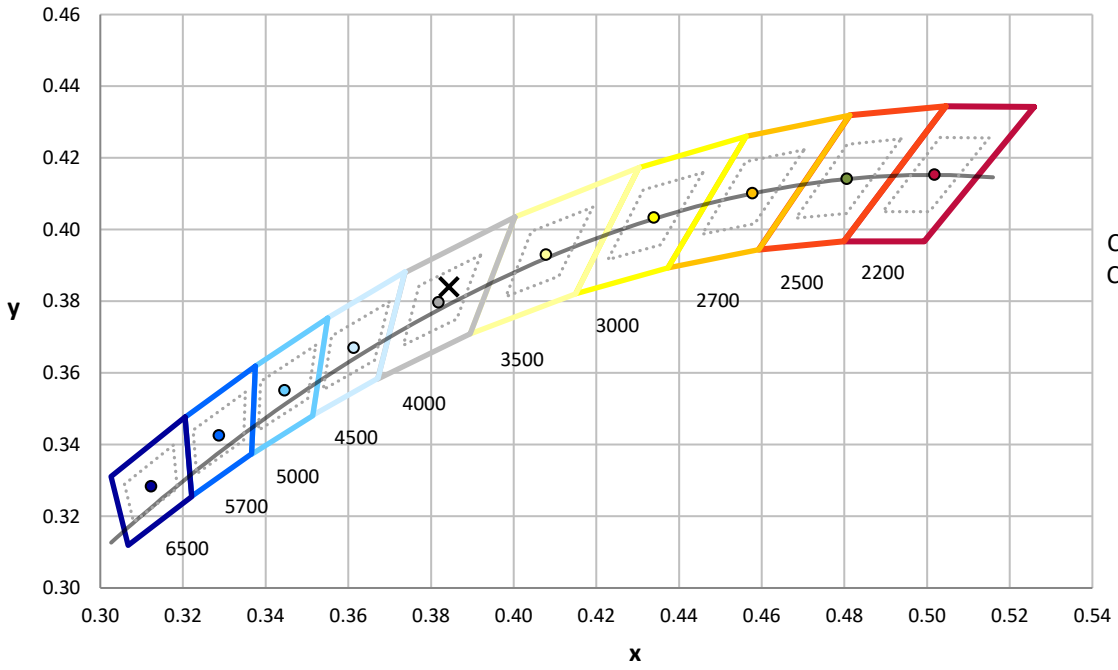
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

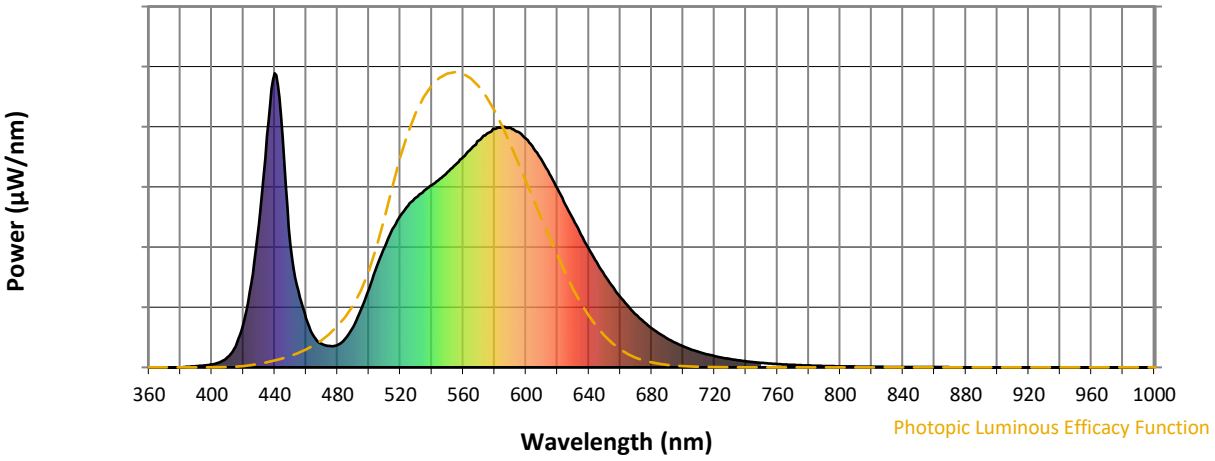


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

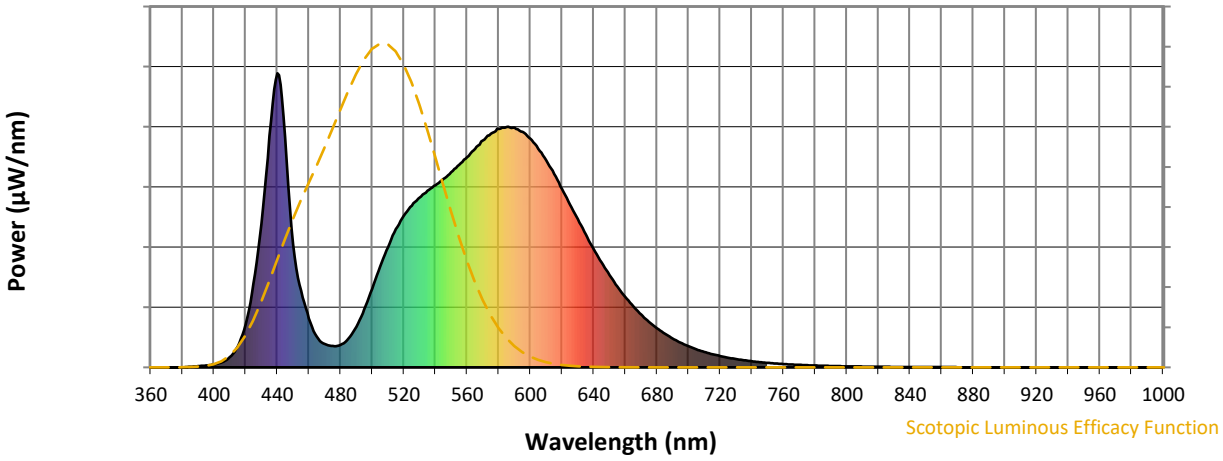


Photopic Lumens: NR

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

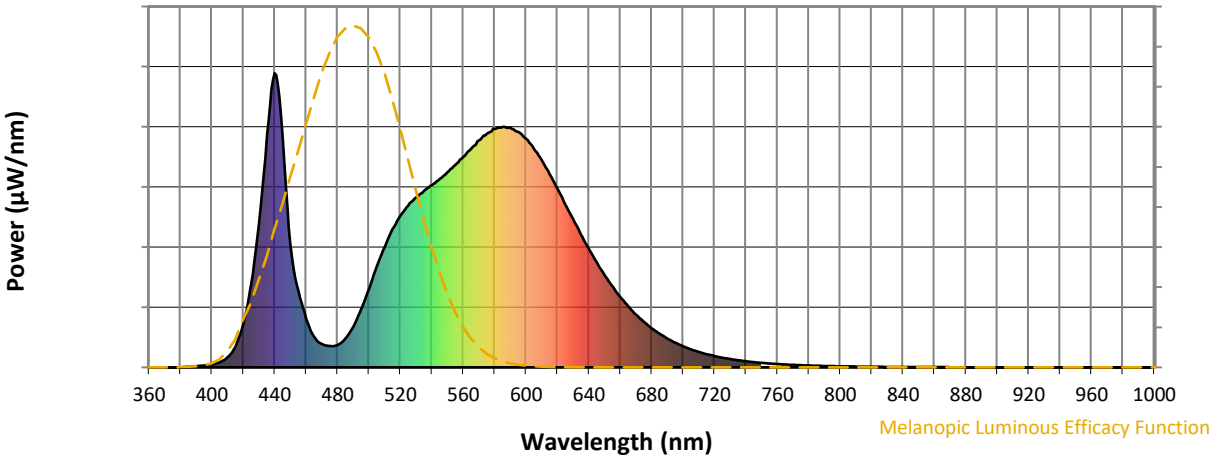


Scotopic Lumens: NR **S/P: 1.47**

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			

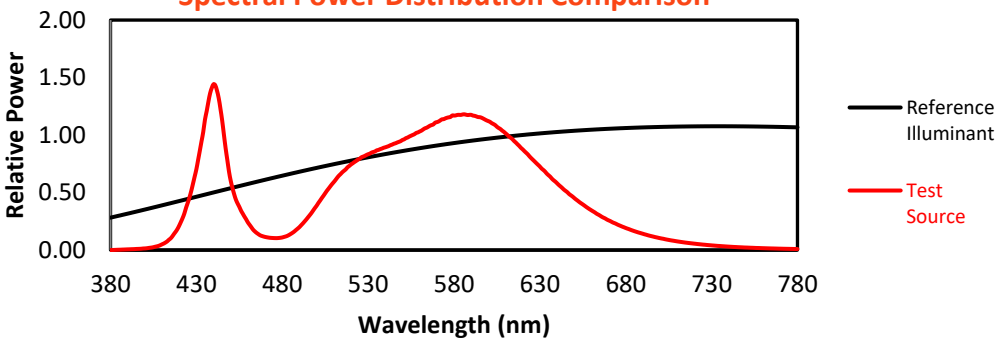
REPORT NUMBER: SP1-2407-184-1

TM-30-18

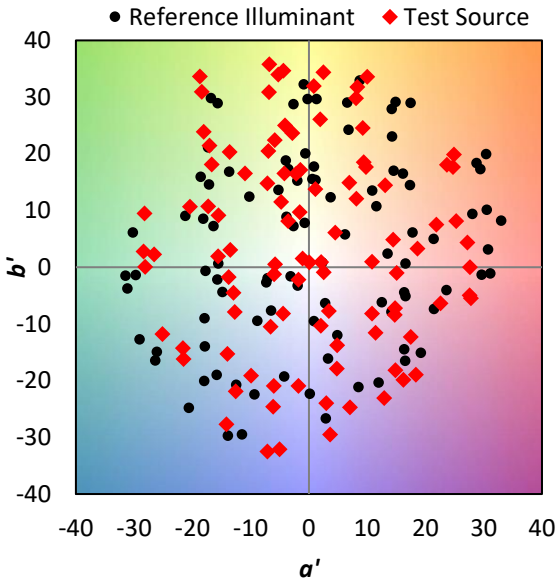
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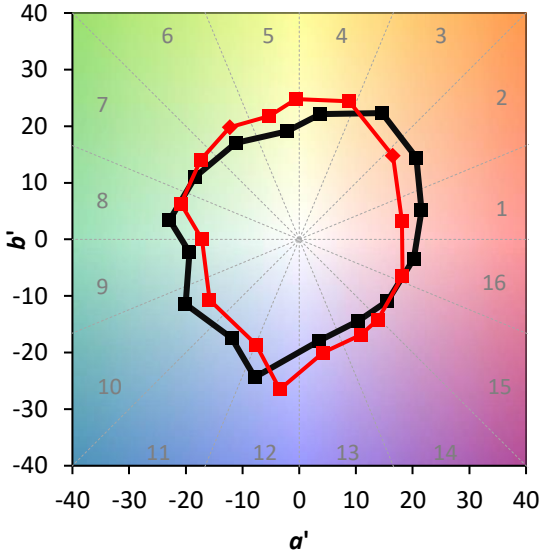
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

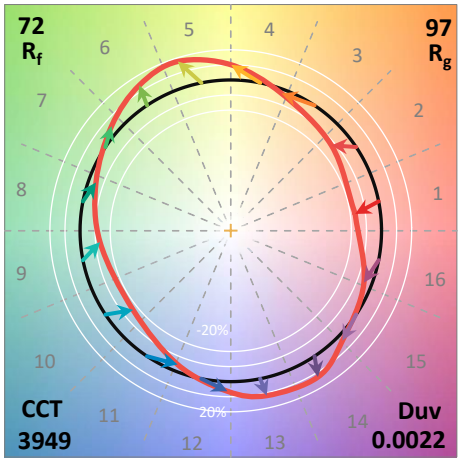
Spectral Power Distribution Comparison

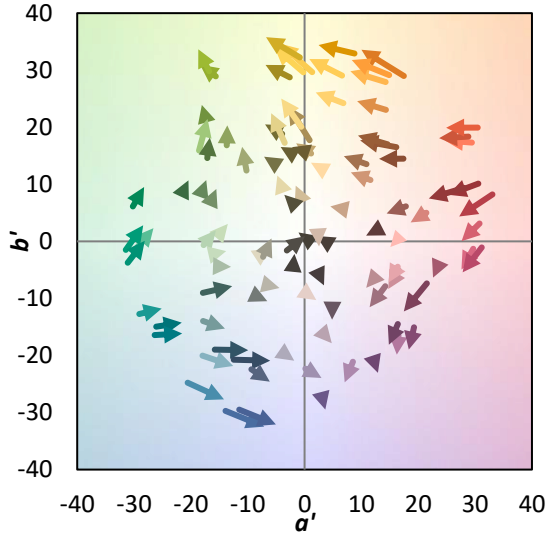


Color Vector Graphics







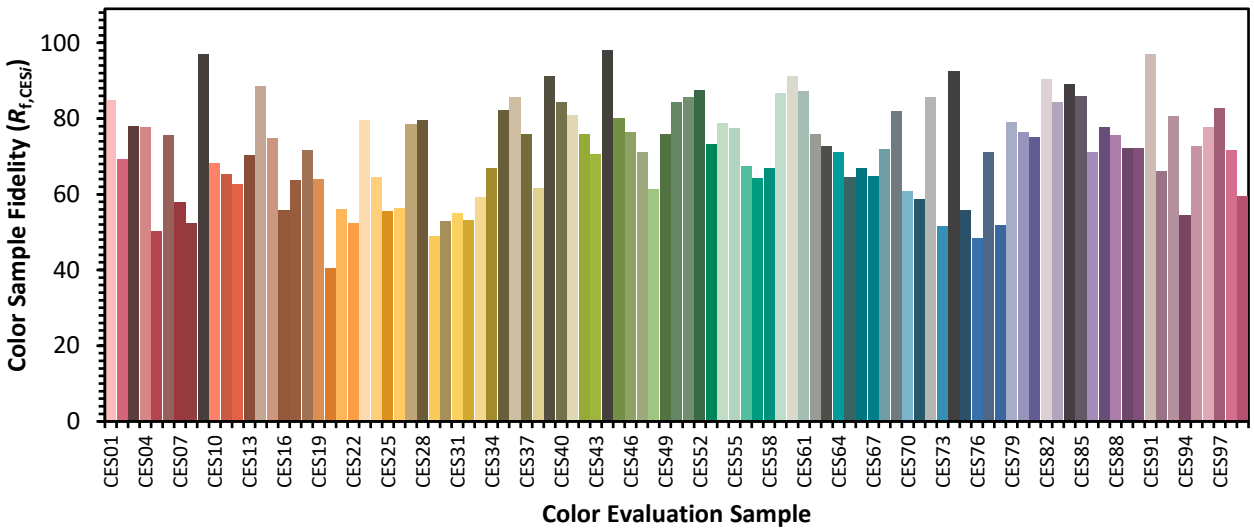


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Individual Sample Fidelity Index ($R_{f,i}$)

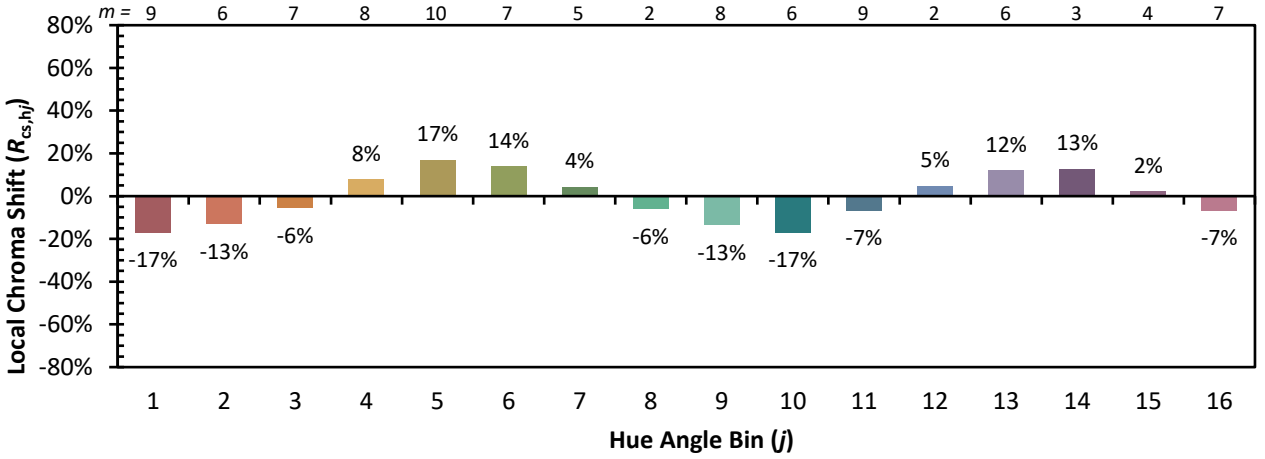
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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	

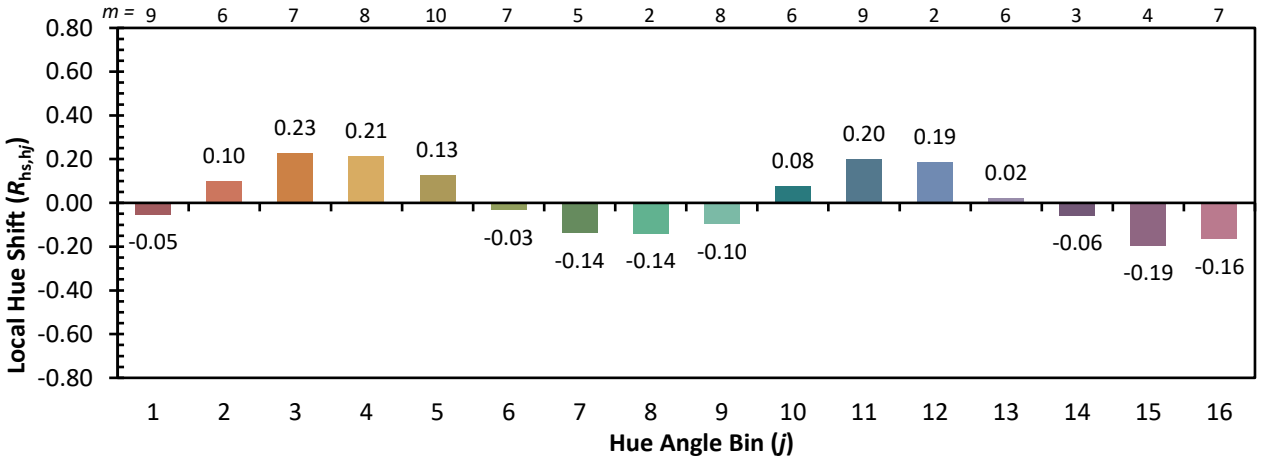


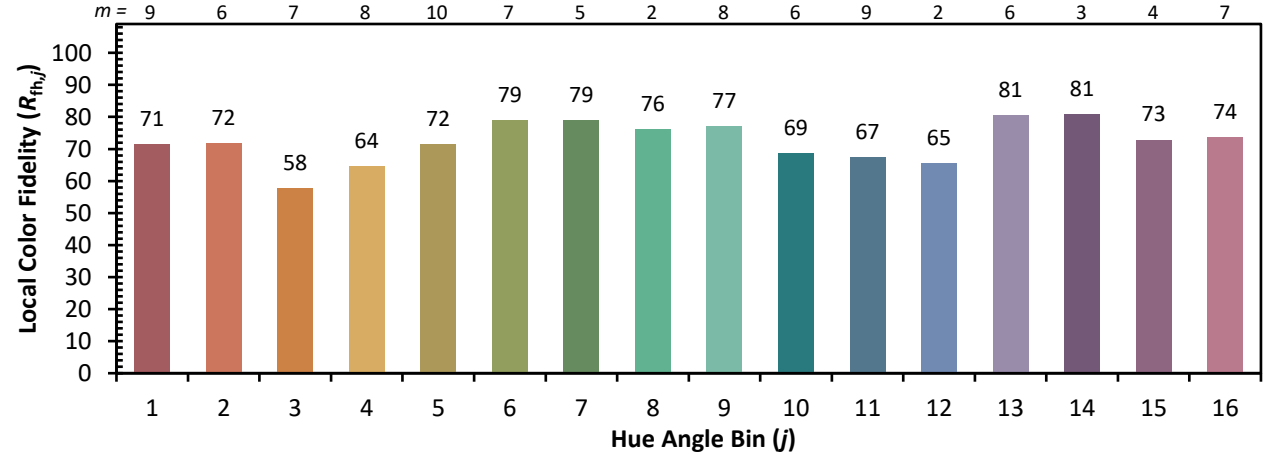
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Color Rendition by Hue-Angle Bin



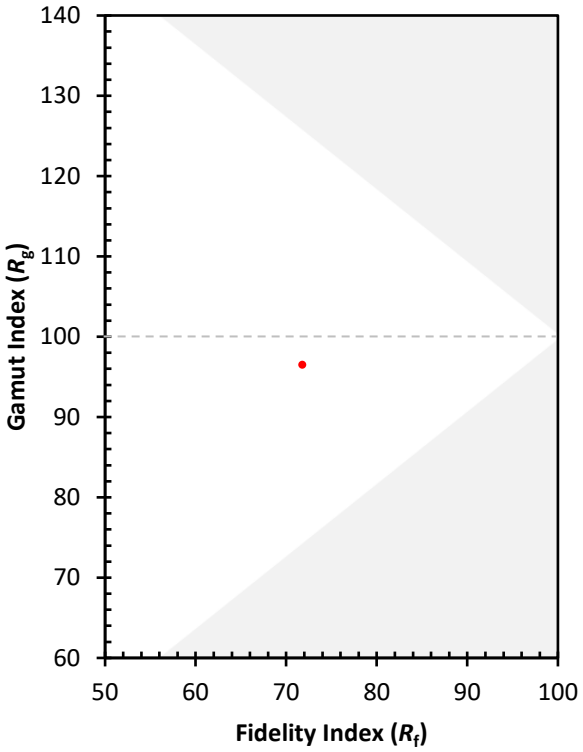


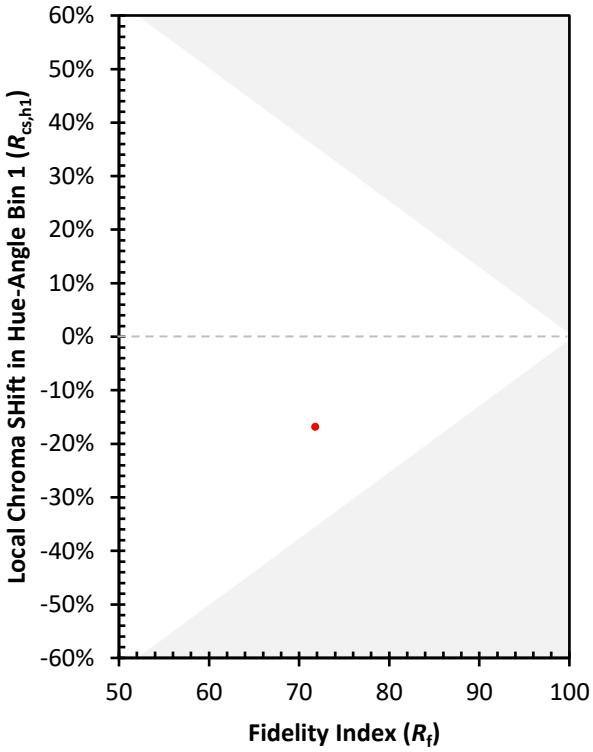


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Measure Comparisons





(END OF REPORT)