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: P1501821

Luminaire Tested: GSS-SB5A-735-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501821
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17643 lumens
Efficiency:	N/A
Efficacy:	123.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

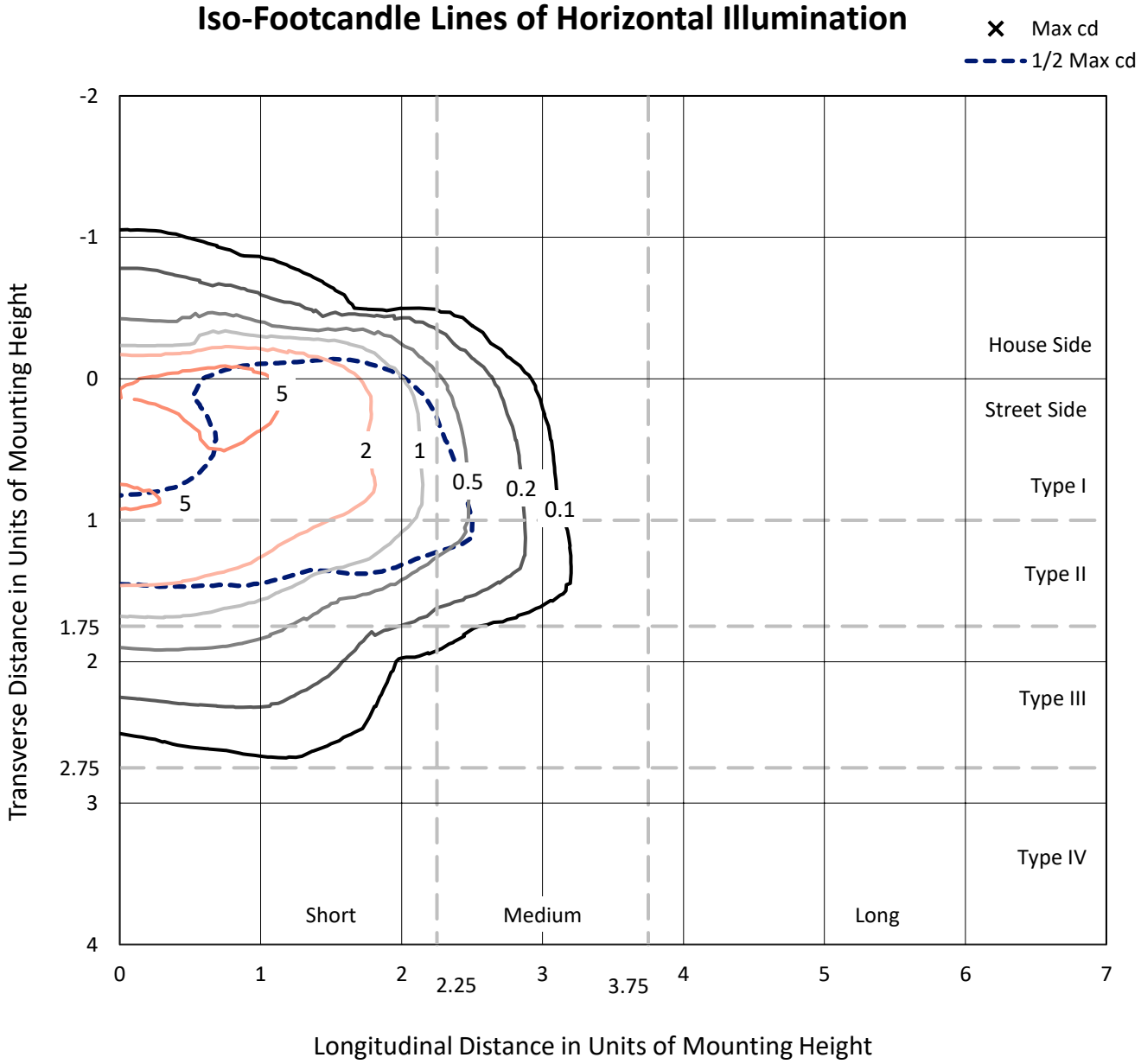
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



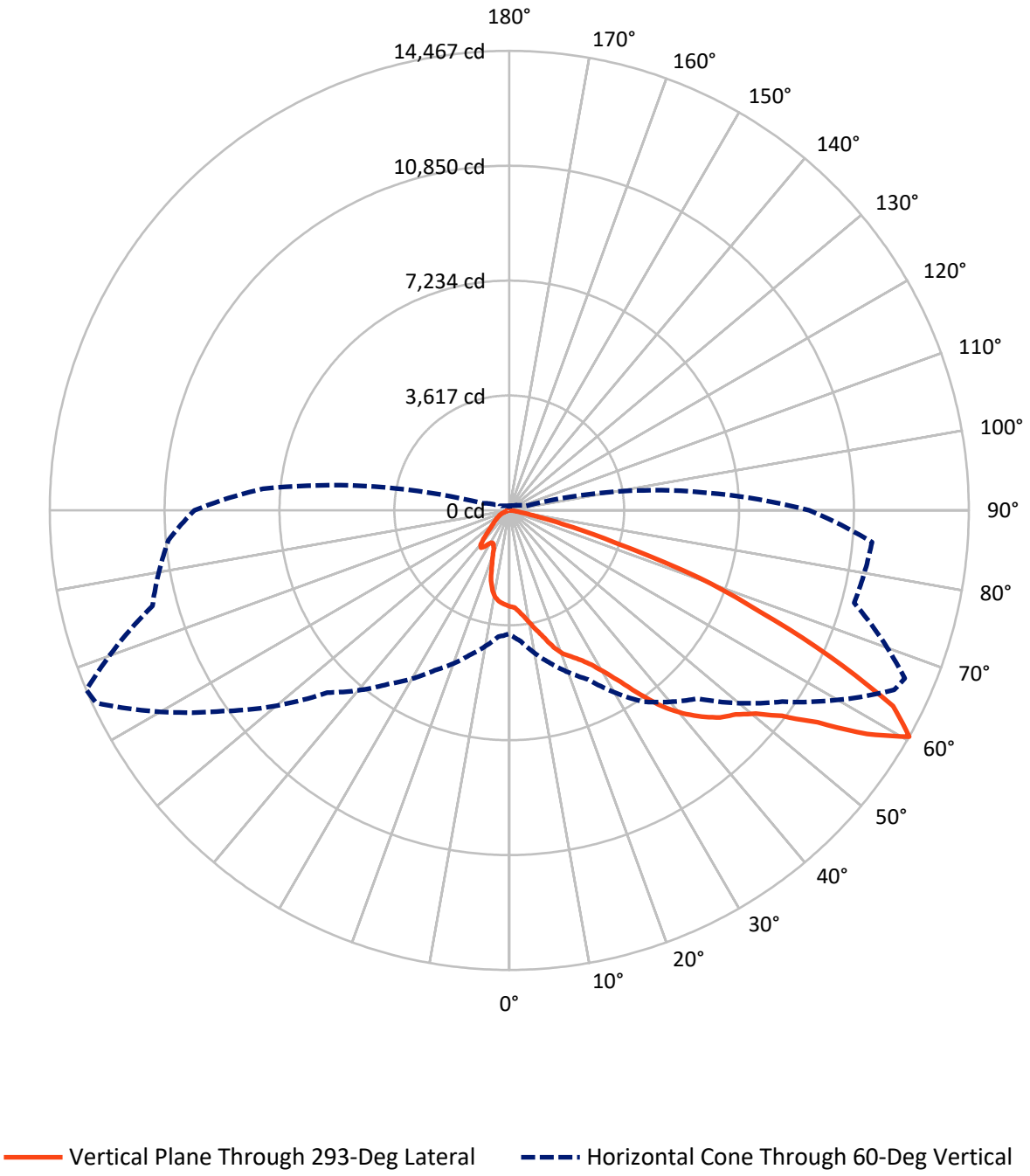
Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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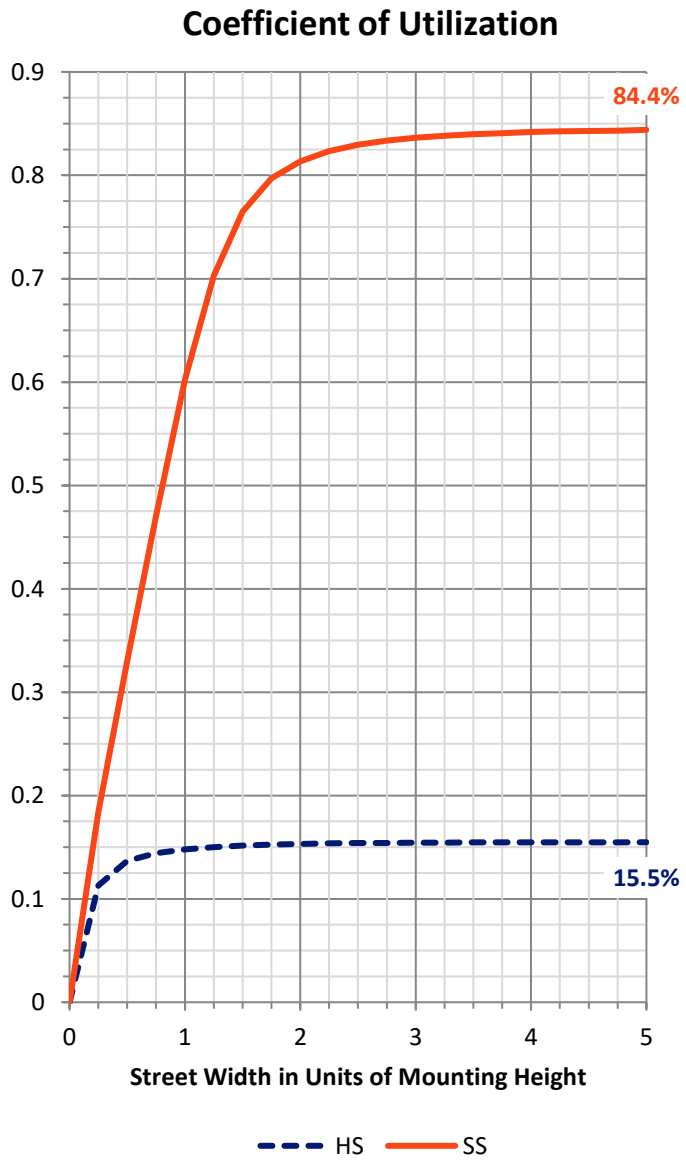
REPORT NUMBER: P1501821
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2752.7	0.0	2752.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	14890.3	0.0	14890.3
	% Fixture	84.4	0.0	84.4
Total	Lumens	17643.0	0.0	17643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.8	1.6
10°-20°	689.6	3.9
20°-30°	1287.3	7.3
30°-40°	2552.9	14.5
40°-50°	4070.2	23.1
50°-60°	4862.9	27.6
60°-70°	3187.9	18.1
70°-80°	667.9	3.8
80°-90°	50.5	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°	17643.0	100.0
0°-180°	17643.0	100.0



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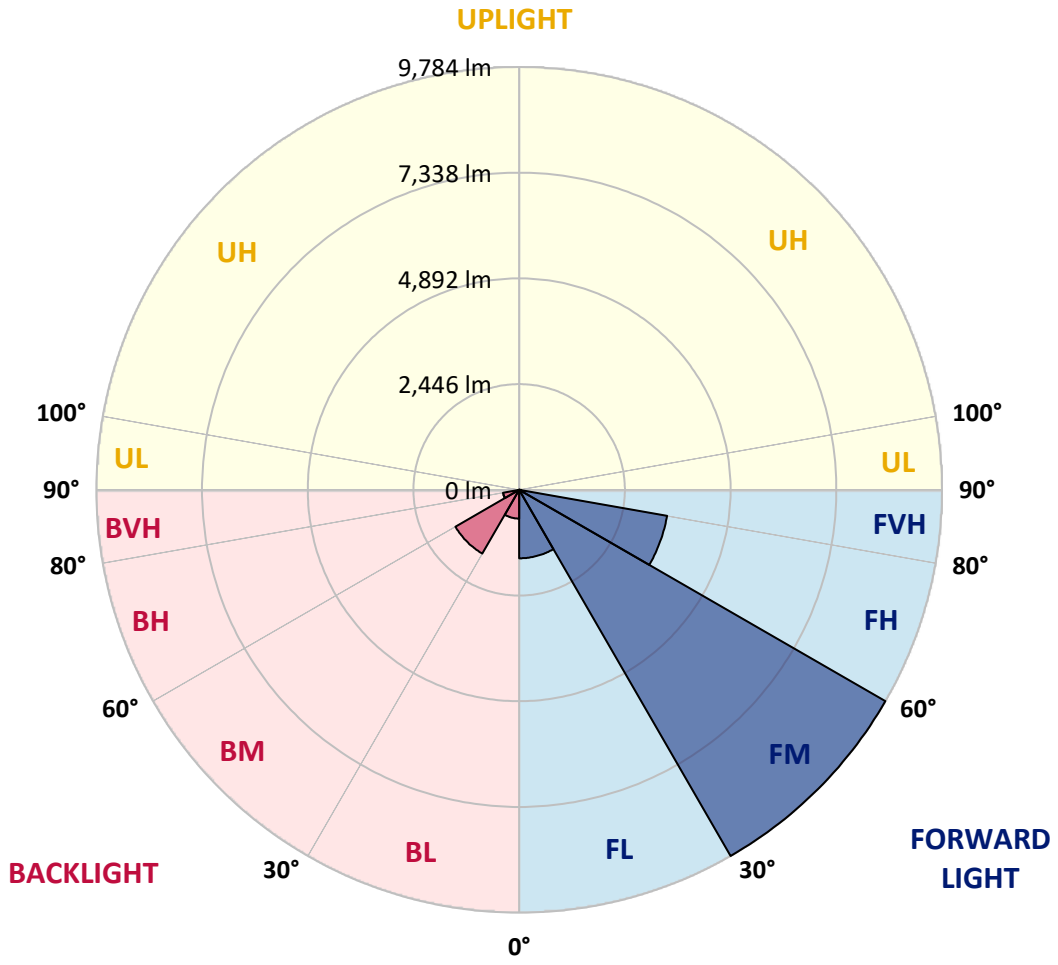
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1584.7	9.0			
FM	(30°-60°)	9783.7	55.5			
FH	(60°-80°)	3475.6	19.7			G2/5000
FVH	(80°-90°)	46.3	0.3			G1/100
BL	(0°-30°)	666.0	3.8	B2/1000		
BM	(30°-60°)	1702.3	9.6	B2/2500		
BH	(60°-80°)	380.2	2.2	B1/500		G1/500
BVH	(80°-90°)	4.2	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°	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8
2.5°	3177.0	3167.1	3152.3	3157.2	3152.3	3132.5	3102.9	3078.2	3097.9	3068.3	3048.5
5°	3270.9	3270.9	3261.0	3261.0	3265.9	3256.1	3236.3	3201.7	3206.6	3181.9	3117.7
7.5°	3270.9	3256.1	3280.8	3305.5	3349.9	3374.6	3384.5	3364.8	3374.6	3325.2	3241.2
10°	3078.2	3068.3	3132.5	3226.4	3354.9	3468.5	3542.6	3547.6	3562.4	3513.0	3414.2
12.5°	2668.1	2648.3	2776.8	2954.7	3216.5	3478.4	3685.9	3765.0	3799.6	3779.8	3641.4
15°	2287.6	2312.3	2401.3	2594.0	2944.8	3345.0	3765.0	4026.8	4076.2	4100.9	3937.9
17.5°	2248.1	2253.1	2282.7	2376.6	2643.4	3127.6	3774.8	4298.6	4367.8	4476.5	4254.1
20°	2356.8	2346.9	2376.6	2406.2	2534.7	2934.9	3681.0	4560.5	4693.9	4926.1	4684.0
22.5°	2559.4	2559.4	2574.2	2594.0	2658.2	2920.1	3641.4	4802.6	5029.8	5504.2	5222.5
25°	2900.3	2860.8	2870.7	2846.0	2900.3	3097.9	3730.4	4995.2	5306.5	6146.5	5864.8
27.5°	3429.0	3443.8	3354.9	3221.5	3251.1	3419.1	3947.8	5212.6	5593.1	6813.5	6517.0
30°	4160.2	4135.5	4081.2	3819.3	3700.7	3849.0	4348.0	5568.4	5978.5	7658.4	7386.6
32.5°	4733.4	4802.6	4708.7	4525.9	4343.1	4387.5	4911.3	6141.5	6447.9	8434.1	8285.9
35°	5425.1	5425.1	5444.9	5187.9	5064.4	5054.5	5617.8	6764.1	7070.4	9135.7	9239.5
37.5°	6358.9	6294.7	6186.0	5899.4	5805.6	5929.1	6279.9	7406.4	7737.4	9703.9	9980.6
40°	7144.5	7189.0	7174.2	6759.2	6576.3	6709.7	7021.0	7954.8	8211.8	10069.6	10578.5
42.5°	7915.3	7940.0	7875.8	7678.2	7411.3	7421.2	7678.2	8369.9	8631.8	10420.4	11141.7
45°	8493.4	8488.5	8444.0	8394.6	8236.5	8073.4	8117.9	8829.4	9056.7	10534.0	11448.1
47.5°	8676.2	8715.7	8755.3	8893.6	9002.3	8745.4	8518.1	9076.4	9284.0	10514.2	11561.7
50°	8508.2	8592.2	8784.9	8992.4	9363.0	9343.2	8854.1	9343.2	9545.8	10622.9	11695.1
52.5°	8132.7	8216.7	8473.6	8849.2	9407.5	9684.2	9476.6	9792.9	10030.0	10899.6	11971.8
55°	7258.2	7292.8	7821.4	8315.5	9185.1	9535.9	10143.7	10553.8	10751.4	11235.6	12337.4
57.5°	5909.3	5993.3	6512.1	7317.5	8562.6	9145.6	10524.1	11853.2	11848.3	11556.8	12416.5
60°	*3888.5*	*4135.5*	*4980.4*	*5869.8*	*7357.0*	*8379.8*	*10499.4*	*13375.0*	*13528.2*	*11240.5*	*11462.9*
62.5°	2969.5	3073.2	3552.5	4293.6	5444.9	6946.9	10336.4	13829.6	13948.2	10390.7	10035.0
65°	2233.3	2361.8	2821.3	3483.3	3844.0	4708.7	9269.1	12021.2	12184.3	9274.1	7801.7
67.5°	1368.6	1472.4	2085.1	2860.8	2910.2	2925.0	6255.2	9106.1	9165.4	7480.5	5252.2
70°	914.1	1017.8	1442.7	2198.7	2317.3	1684.8	3433.9	6892.6	6887.6	5118.8	3191.8
72.5°	528.7	578.1	914.1	1620.6	1823.2	1072.2	1714.5	4382.6	4189.9	2406.2	1492.2
75°	301.4	336.0	504.0	1042.5	1279.7	681.8	676.9	2346.9	2075.2	1240.2	815.2
77.5°	182.8	197.6	276.7	681.8	770.8	459.5	375.5	1091.9	1052.4	726.3	429.9
80°	88.9	103.8	168.0	400.2	494.1	247.0	227.3	429.9	459.5	400.2	227.3
82.5°	29.6	39.5	93.9	153.2	321.2	98.8	93.9	237.2	252.0	237.2	108.7
85°	14.8	19.8	44.5	49.4	123.5	49.4	34.6	103.8	128.5	79.1	44.5
87.5°	0.0	4.9	4.9	4.9	4.9	4.9	4.9	9.9	9.9	9.9	9.9
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°	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8
2.5°	3033.7	3023.8	3004.1	2969.5	2964.5	2939.8	2900.3	2875.6	2855.8	2870.7	2875.6
5°	3088.1	3063.4	3004.1	2910.2	2811.4	2712.6	2618.7	2510.0	2435.9	2426.0	2406.2
7.5°	3186.9	3137.5	3009.0	2826.2	2574.2	2337.0	2060.4	1793.5	1660.1	1640.4	1595.9
10°	3345.0	3261.0	3048.5	2678.0	2193.8	1699.7	1279.7	993.1	830.1	800.4	810.3
12.5°	3532.7	3414.2	3053.5	2426.0	1670.0	1052.4	726.3	617.6	583.0	568.2	568.2
15°	3774.8	3601.9	3048.5	2099.9	1126.5	676.9	583.0	538.6	523.7	513.9	513.9
17.5°	4081.2	3853.9	3013.9	1610.7	760.9	588.0	533.6	499.0	479.3	474.3	474.3
20°	4441.9	4135.5	2934.9	1200.6	637.4	548.4	504.0	459.5	444.7	434.8	434.8
22.5°	4901.4	4476.5	2781.7	933.8	602.8	523.7	474.3	424.9	410.1	400.2	400.2
25°	5435.0	4911.3	2579.1	840.0	597.8	504.0	444.7	395.3	380.4	375.5	370.6
27.5°	6067.4	5375.7	2391.4	844.9	607.7	489.1	415.0	370.6	355.7	340.9	345.9
30°	6813.5	5855.0	2238.2	904.2	617.6	474.3	395.3	355.7	340.9	321.2	321.2
32.5°	7549.7	6418.2	2223.4	1012.9	652.2	464.4	375.5	336.0	321.2	306.3	306.3
35°	8305.7	6932.1	2307.4	1156.2	721.4	449.6	350.8	316.2	301.4	291.5	286.6
37.5°	9027.0	7342.2	2386.5	1245.1	681.8	385.4	321.2	291.5	276.7	256.9	256.9
40°	9506.3	7564.5	2401.3	1175.9	563.3	345.9	291.5	261.9	242.1	232.2	227.3
42.5°	9857.1	7707.8	2233.3	953.6	489.1	316.2	266.8	237.2	222.3	212.5	212.5
45°	10000.4	7658.4	1946.7	726.3	449.6	291.5	242.1	217.4	207.5	197.6	197.6
47.5°	9980.6	7431.1	1655.2	583.0	410.1	266.8	227.3	207.5	197.6	187.8	182.8
50°	9946.0	7218.7	1358.7	518.8	365.6	252.0	212.5	197.6	182.8	172.9	168.0
52.5°	10173.3	7149.5	1126.5	474.3	340.9	242.1	207.5	187.8	172.9	163.0	163.0
55°	10400.6	7179.1	884.4	444.7	316.2	237.2	202.6	182.8	168.0	153.2	153.2
57.5°	10385.8	7050.7	672.0	415.0	296.5	232.2	197.6	177.9	153.2	143.3	143.3
60°	*9442.1*	*6289.8*	*523.7*	*380.4*	*271.7*	*217.4*	*182.8*	*168.0*	*143.3*	*128.5*	*128.5*
62.5°	7984.5	4945.8	429.9	336.0	242.1	197.6	168.0	153.2	128.5	103.8	103.8
65°	5899.4	3567.3	345.9	291.5	222.3	172.9	153.2	133.4	103.8	84.0	79.1
67.5°	3992.2	2193.8	276.7	242.1	197.6	148.2	128.5	113.6	93.9	69.2	64.2
70°	2366.7	1166.1	202.6	168.0	148.2	108.7	108.7	98.8	79.1	59.3	54.3
72.5°	1126.5	405.2	148.2	123.5	113.6	79.1	84.0	84.0	64.2	44.5	39.5
75°	573.1	197.6	98.8	88.9	74.1	59.3	69.2	64.2	44.5	29.6	29.6
77.5°	326.1	138.3	69.2	59.3	49.4	39.5	44.5	39.5	24.7	14.8	14.8
80°	182.8	98.8	44.5	39.5	29.6	24.7	24.7	19.8	14.8	4.9	4.9
82.5°	69.2	59.3	29.6	19.8	14.8	14.8	9.9	9.9	4.9	0.0	0.0
85°	29.6	14.8	14.8	9.9	9.9	4.9	4.9	4.9	0.0	0.0	0.0
87.5°	4.9	4.9	4.9	4.9	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8
2.5°	2836.1	2846.0	2855.8	2895.4	2905.2	2934.9	2959.6	2989.2	2994.2	3033.7	3033.7
5°	2445.7	2440.8	2524.8	2648.3	2727.4	2836.1	2920.1	3009.0	3058.4	3122.6	3152.3
7.5°	1620.6	1744.1	1931.9	2149.3	2430.9	2692.8	2890.4	3063.4	3181.9	3256.1	3285.7
10°	805.4	874.5	1072.2	1427.9	1907.2	2440.8	2860.8	3181.9	3374.6	3458.6	3513.0
12.5°	568.2	583.0	617.6	810.3	1269.8	2025.8	2766.9	3310.4	3577.2	3735.3	3804.5
15°	508.9	518.8	533.6	588.0	785.6	1511.9	2598.9	3453.7	3893.4	4076.2	4165.2
17.5°	469.4	474.3	489.1	533.6	617.6	1027.7	2327.2	3606.9	4273.9	4496.2	4664.2
20°	434.8	434.8	449.6	504.0	573.1	790.5	1936.8	3779.8	4758.1	5079.2	5247.2
22.5°	395.3	405.2	415.0	474.3	558.3	721.4	1571.2	3913.2	5296.6	5687.0	5884.6
25°	365.6	375.5	385.4	444.7	543.5	721.4	1358.7	3997.2	5899.4	6363.9	6635.6
27.5°	340.9	350.8	365.6	424.9	528.7	751.0	1274.8	4021.9	6556.6	7159.4	7525.0
30°	321.2	331.0	345.9	410.1	538.6	785.6	1304.4	3987.3	7223.6	7979.6	8414.4
32.5°	301.4	311.3	326.1	395.3	538.6	830.1	1403.2	3918.1	7870.9	8799.7	9333.4
35°	286.6	291.5	296.5	355.7	489.1	825.1	1526.7	3849.0	8523.1	9610.1	10232.6
37.5°	256.9	261.9	271.7	306.3	390.3	751.0	1551.4	3765.0	9036.9	10291.9	10978.7
40°	227.3	237.2	247.0	281.6	326.1	607.7	1442.7	3587.1	9308.7	10815.6	11650.6
42.5°	207.5	212.5	222.3	256.9	301.4	484.2	1210.5	3275.8	9550.8	11171.4	12139.8
45°	192.7	197.6	207.5	232.2	281.6	420.0	953.6	2895.4	9570.5	11285.0	12377.0
47.5°	177.9	182.8	187.8	212.5	271.7	375.5	731.3	2549.5	9565.6	11433.2	12579.5
50°	168.0	172.9	182.8	202.6	256.9	336.0	602.8	2267.9	9773.1	11754.4	12989.6
52.5°	163.0	163.0	177.9	197.6	242.1	306.3	504.0	2015.9	9881.8	12070.6	13286.1
55°	153.2	158.1	168.0	187.8	227.3	291.5	429.9	1699.7	9931.2	12228.7	13340.4
57.5°	143.3	148.2	163.0	177.9	217.4	276.7	370.6	1269.8	9224.7	11403.6	12431.3
60°	*128.5*	*138.3*	*158.1*	*172.9*	*202.6*	*252.0*	*326.1*	*859.7*	*7781.9*	*9911.4*	*10771.2*
62.5°	103.8	123.5	143.3	153.2	182.8	212.5	276.7	573.1	6215.7	8201.9	9180.2
65°	79.1	103.8	118.6	133.4	153.2	177.9	232.2	390.3	4145.4	5519.0	6620.8
67.5°	69.2	88.9	98.8	108.7	128.5	153.2	187.8	271.7	2514.9	3315.3	4402.3
70°	54.3	74.1	84.0	79.1	98.8	118.6	133.4	182.8	1284.6	1798.5	2505.0
72.5°	39.5	59.3	64.2	64.2	59.3	84.0	98.8	128.5	558.3	874.5	1136.4
75°	29.6	39.5	44.5	39.5	34.6	54.3	69.2	84.0	365.6	523.7	662.1
77.5°	14.8	14.8	24.7	24.7	14.8	29.6	34.6	49.4	207.5	306.3	380.4
80°	4.9	0.0	0.0	4.9	0.0	9.9	14.8	24.7	108.7	163.0	237.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	54.3	49.4	123.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	29.6
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: P1501821
CATALOG NUMBER: GSS-SB5A-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3023.8	*3023.8*	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8
2.5°	3058.4	*3058.4*	3078.2	3107.8	3122.6	3132.5	3137.5	3147.4	3186.9	3177.0
5°	3186.9	*3196.8*	3211.6	3241.2	3275.8	3265.9	3265.9	3265.9	3290.6	3270.9
7.5°	3354.9	*3384.5*	3389.5	3424.0	3399.3	3349.9	3320.3	3275.8	3270.9	3270.9
10°	3626.6	*3616.7*	3616.7	3572.3	3483.3	3340.0	3211.6	3122.6	3073.2	3078.2
12.5°	3918.1	*3878.6*	3883.5	3720.5	3468.5	3152.3	2890.4	2697.7	2682.9	2668.1
15°	4278.8	*4175.1*	4155.3	3779.8	3246.2	2762.0	2505.0	2351.9	2302.5	2287.6
17.5°	4792.7	*4530.8*	4436.9	3676.0	2954.7	2519.9	2327.2	2258.0	2253.1	2248.1
20°	5336.2	*4817.4*	4639.5	3522.9	2855.8	2524.8	2381.5	2361.8	2351.9	2356.8
22.5°	5968.6	*5000.2*	4772.9	3547.6	2944.8	2687.8	2574.2	2559.4	2549.5	2559.4
25°	6620.8	*5212.6*	4931.0	3745.2	3211.6	2989.2	2855.8	2826.2	2855.8	2900.3
27.5°	7277.9	*5499.2*	5242.3	4135.5	3641.4	3399.3	3270.9	3379.6	3424.0	3429.0
30°	7861.0	*5899.4*	5662.3	4684.0	4130.6	3888.5	3913.2	4051.5	4105.9	4160.2
32.5°	8394.6	*6433.1*	6250.2	5306.5	4763.0	4619.7	4604.9	4708.7	4768.0	4733.4
35°	8933.1	*7129.7*	6951.8	5983.4	5538.7	5420.2	5296.6	5499.2	5479.5	5425.1
37.5°	9442.1	*7831.3*	7668.3	6709.7	6250.2	6042.7	6023.0	6205.8	6368.8	6358.9
40°	9807.7	*8399.5*	8201.9	7431.1	6996.3	6818.4	6922.2	7238.4	7198.9	7144.5
42.5°	10143.7	*8883.7*	8705.9	8063.5	7609.0	7688.0	7781.9	7994.4	7969.7	7915.3
45°	10301.8	*9298.8*	9145.6	8542.8	8320.5	8572.5	8567.5	8646.6	8513.2	8493.4
47.5°	10524.1	*9595.2*	9437.1	8972.7	9170.3	9274.1	8982.6	8898.6	8775.0	8676.2
50°	10934.2	*10054.7*	9896.6	9624.9	9792.9	9471.7	9116.0	8933.1	8681.2	8508.2
52.5°	11413.5	*10751.4*	10613.1	10504.4	10035.0	9372.9	8918.3	8587.3	8280.9	8132.7
55°	12016.3	*11779.1*	11680.3	11082.4	9817.6	8967.7	8434.1	7816.5	7396.5	7258.2
57.5°	12213.9	*13286.1*	13251.5	11176.3	9209.8	8231.5	7268.1	6433.1	5998.3	5909.3
60°	*11630.9*	*14467.0*	*14343.4*	*11018.2*	*8108.0*	*6680.1*	*5553.6*	*4698.8*	*3992.2*	*3888.5*
62.5°	10884.8	*13562.8*	13518.3	10222.7	6176.1	4787.7	4150.4	3349.9	3048.5	2969.5
65°	9323.5	*11097.3*	11117.0	8201.9	3908.3	3438.9	3409.2	2663.1	2292.6	2233.3
67.5°	7179.1	*8513.2*	8374.8	5158.3	2277.8	2752.1	2722.4	1946.7	1408.2	1368.6
70°	4194.8	*6339.2*	6116.8	2682.9	1507.0	2297.5	2094.9	1368.6	958.5	914.1
72.5°	1852.8	*3488.3*	3745.2	1180.9	1062.3	1828.1	1511.9	840.0	538.6	528.7
75°	1027.7	*1729.3*	1808.4	513.9	746.1	1299.5	914.1	469.4	306.3	301.4
77.5°	617.6	*765.8*	746.1	331.0	558.3	830.1	553.4	266.8	192.7	182.8
80°	345.9	*350.8*	296.5	242.1	331.0	464.4	311.3	168.0	88.9	88.9
82.5°	212.5	*192.7*	153.2	74.1	88.9	281.6	113.6	93.9	29.6	29.6
85°	88.9	*59.3*	39.5	14.8	34.6	74.1	39.5	44.5	14.8	14.8
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

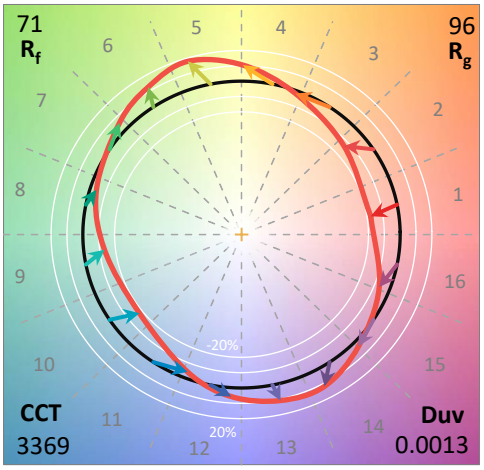
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

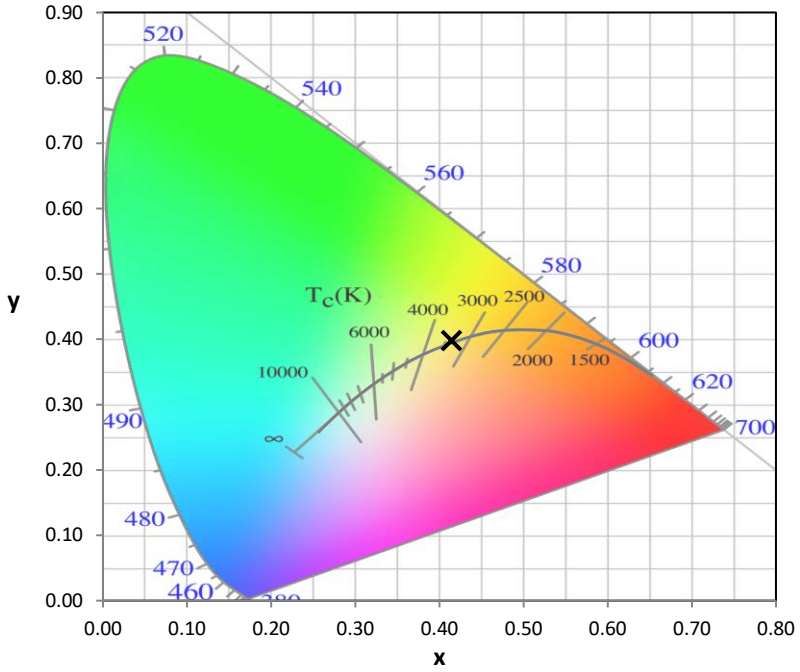
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

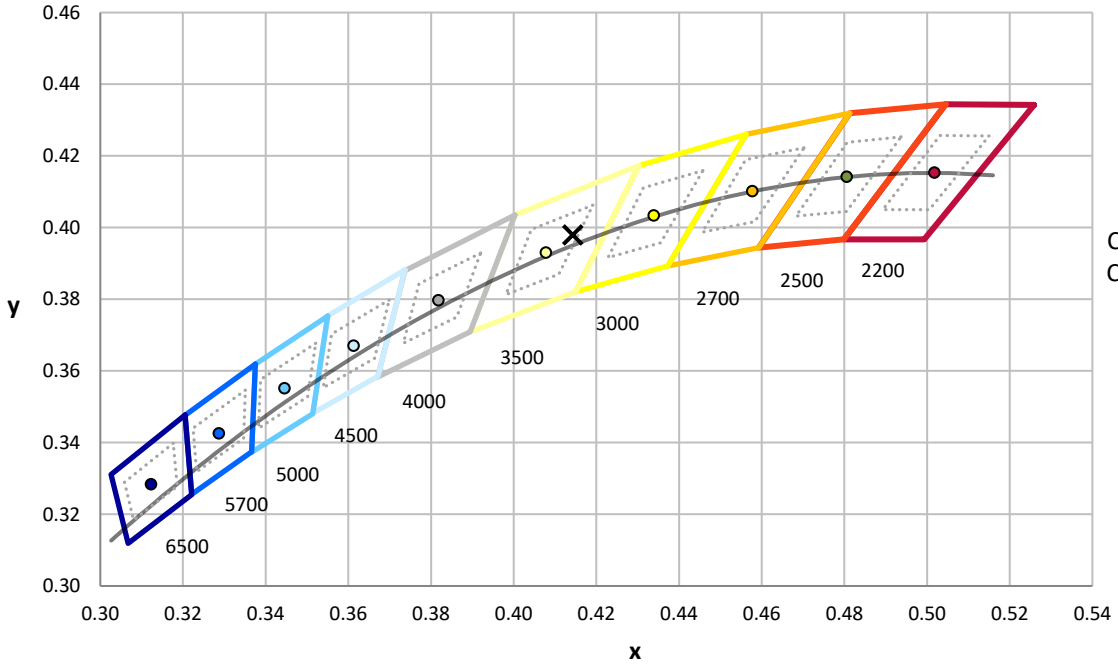
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

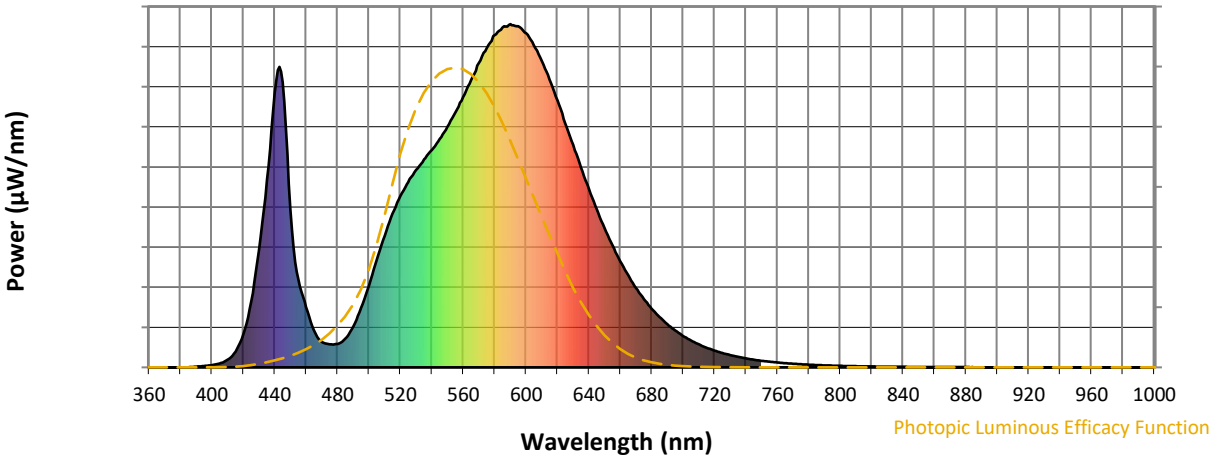


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

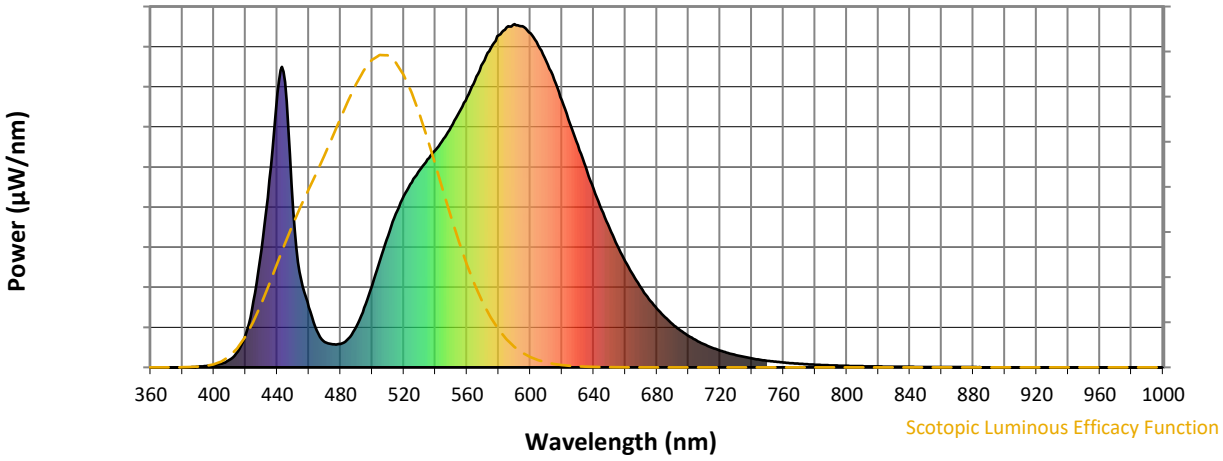


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

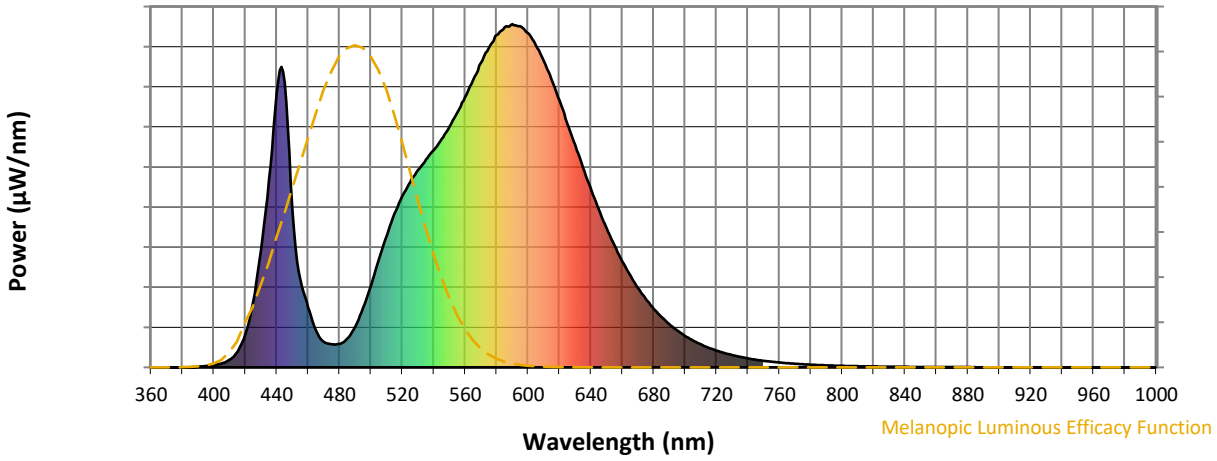


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

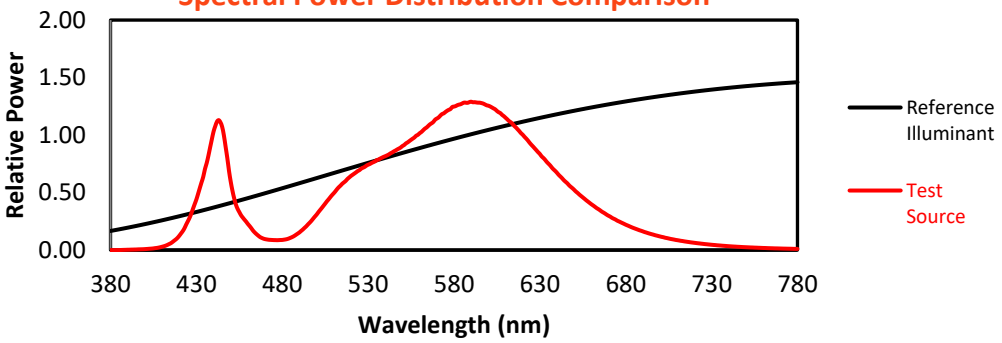
REPORT NUMBER: SP1-2407-184-5

TM-30-18

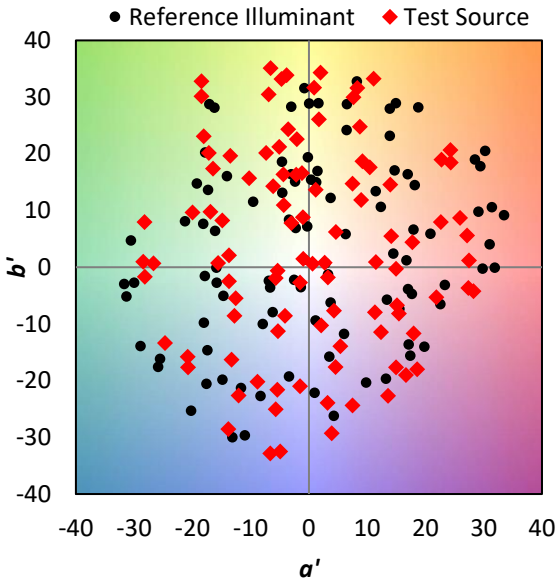
Summary

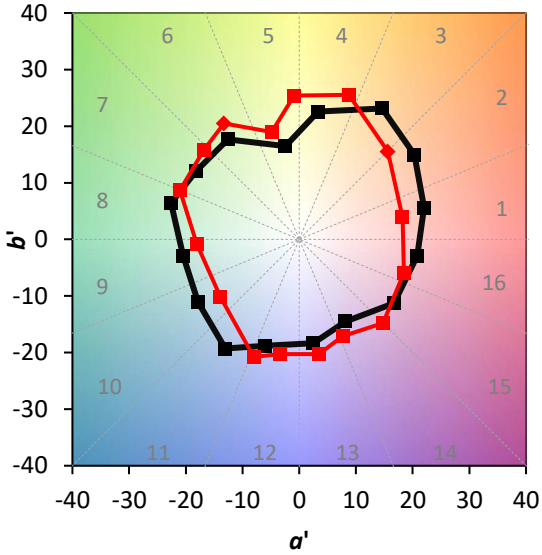
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

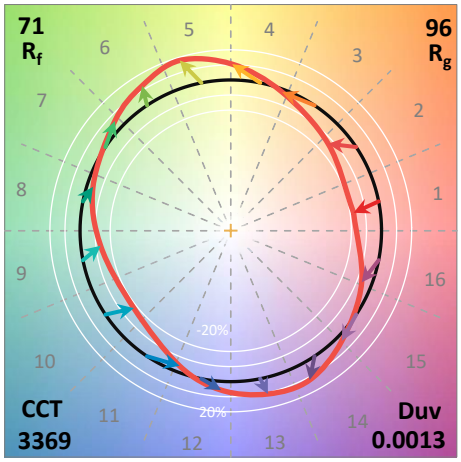
Spectral Power Distribution Comparison

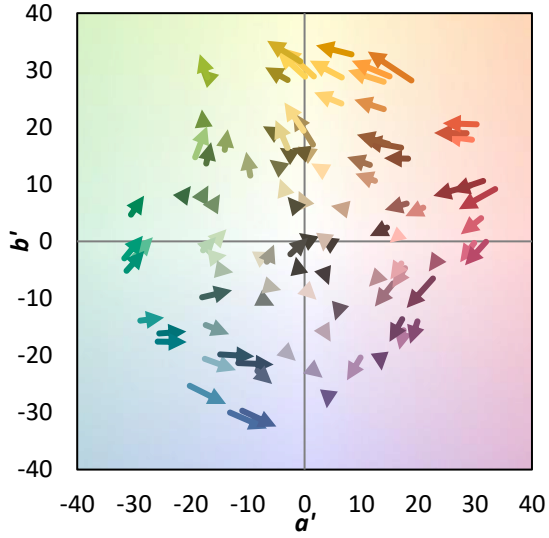


Color Vector Graphics







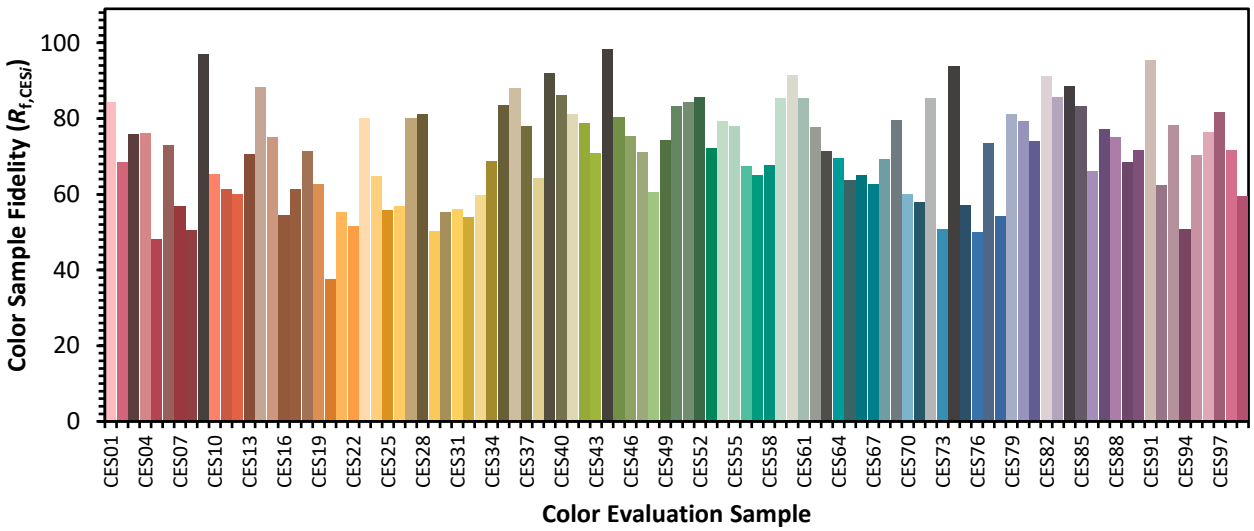


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Individual Sample Fidelity Index ($R_{f,i}$)

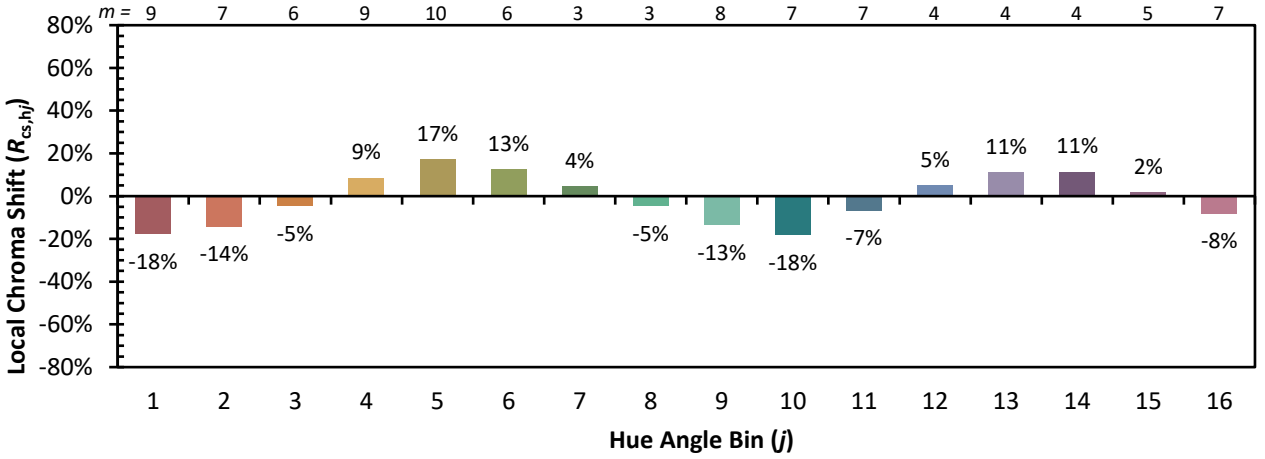
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

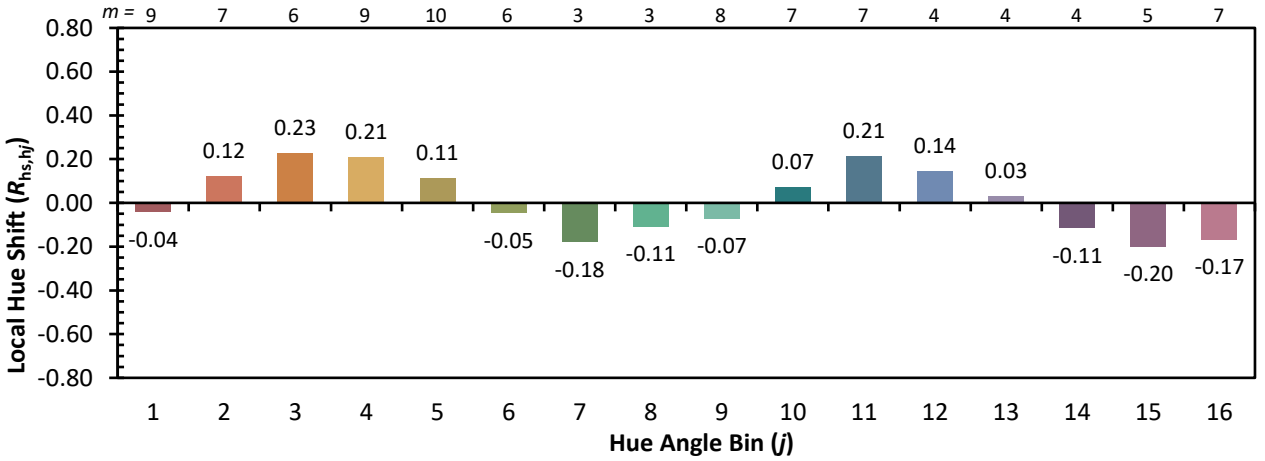


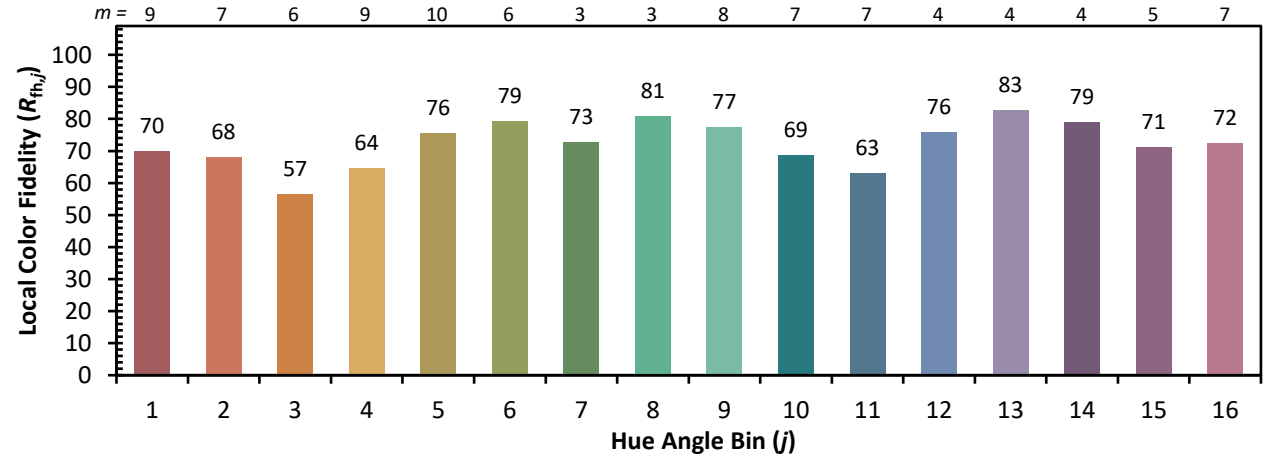
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Color Rendition by Hue-Angle Bin



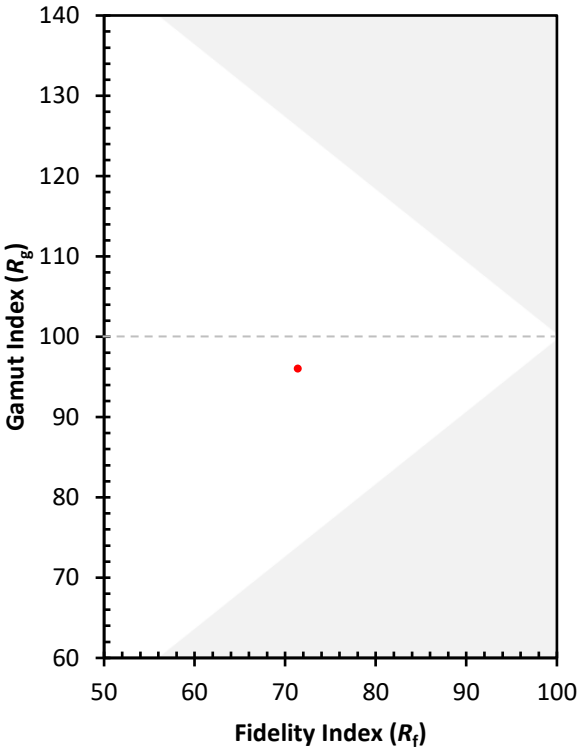


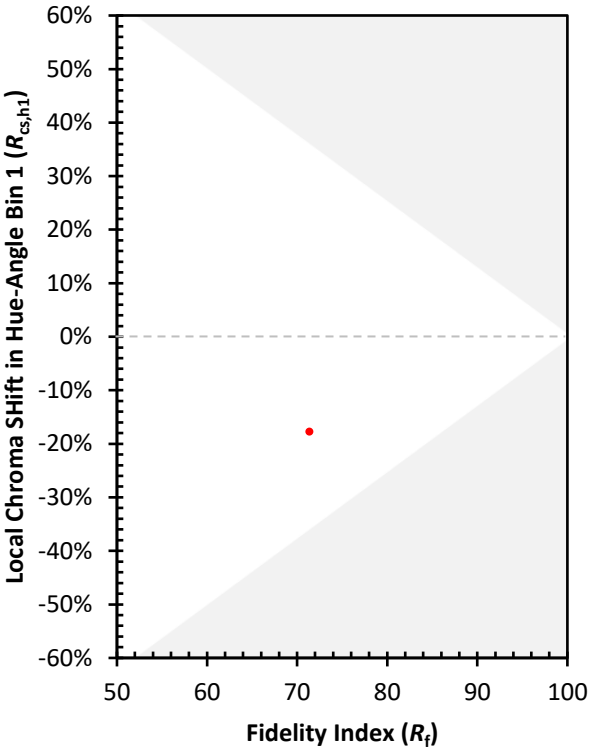


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Measure Comparisons





(END OF REPORT)