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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1364523

Luminaire Tested: **GSS-SB6A-740-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364523
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-740-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20885.7 lumens
Efficiency:	N/A
Efficacy:	122.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G4

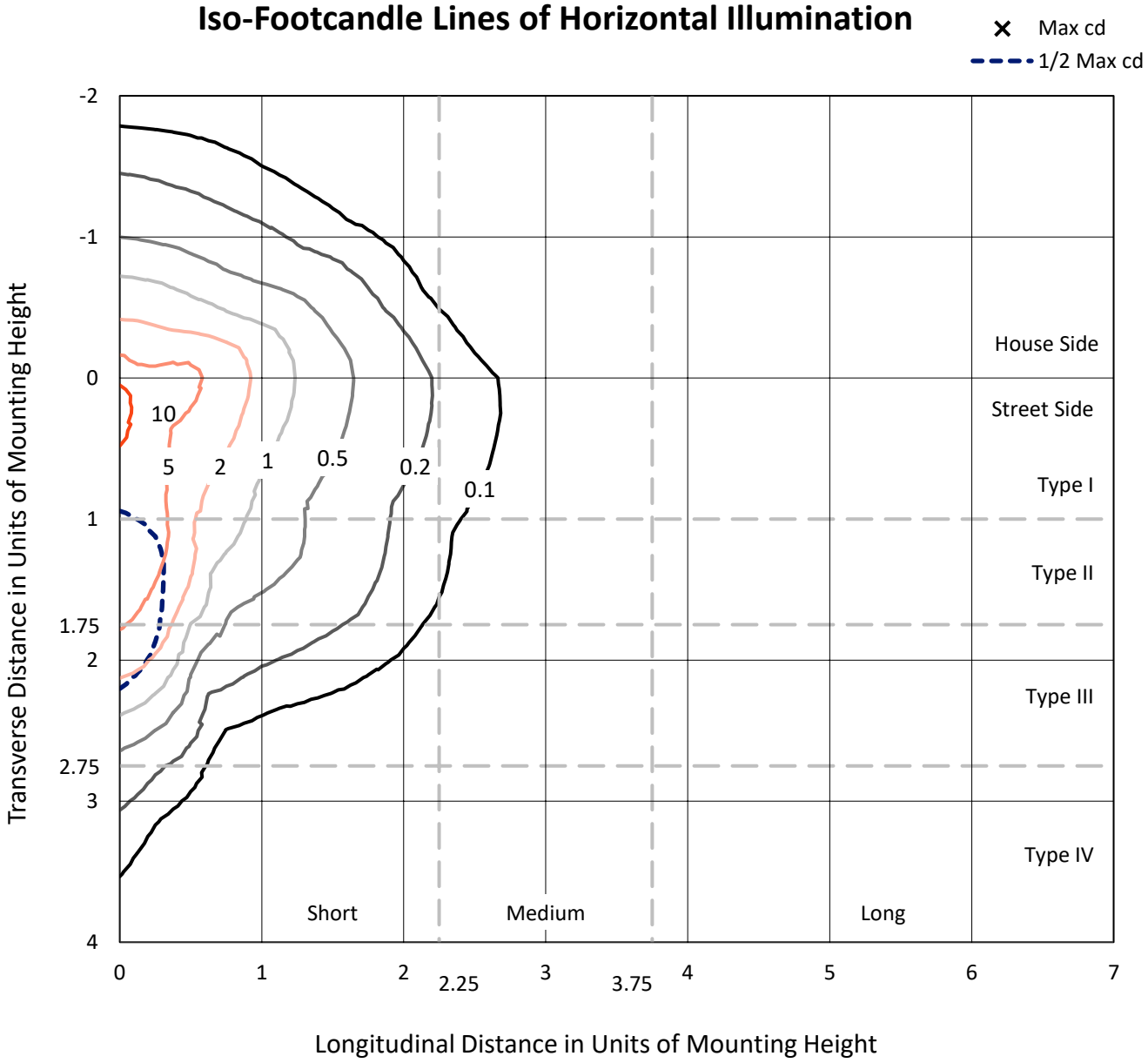
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



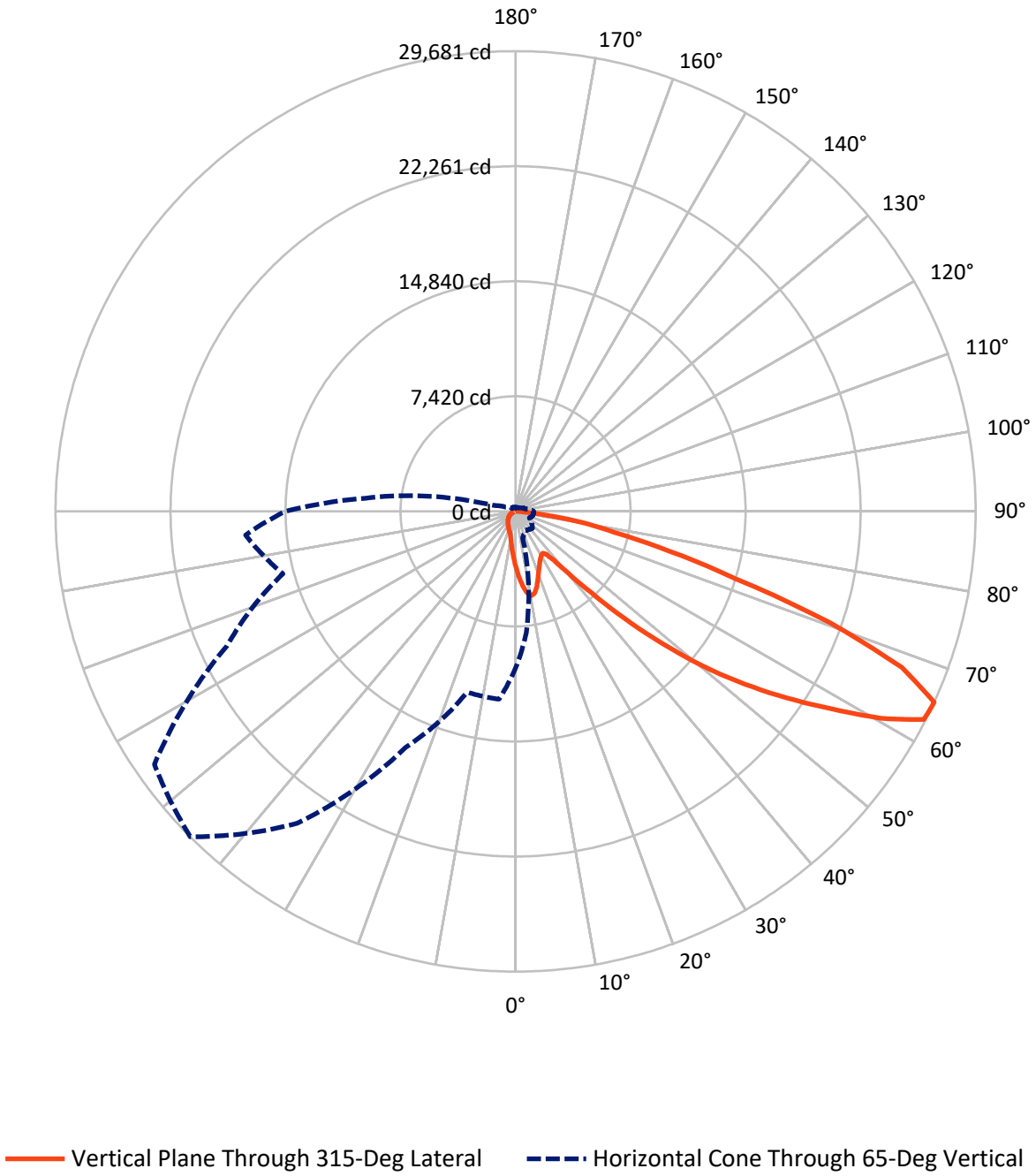
Based on 20 foot mounting height. Maximum calculated value = 11.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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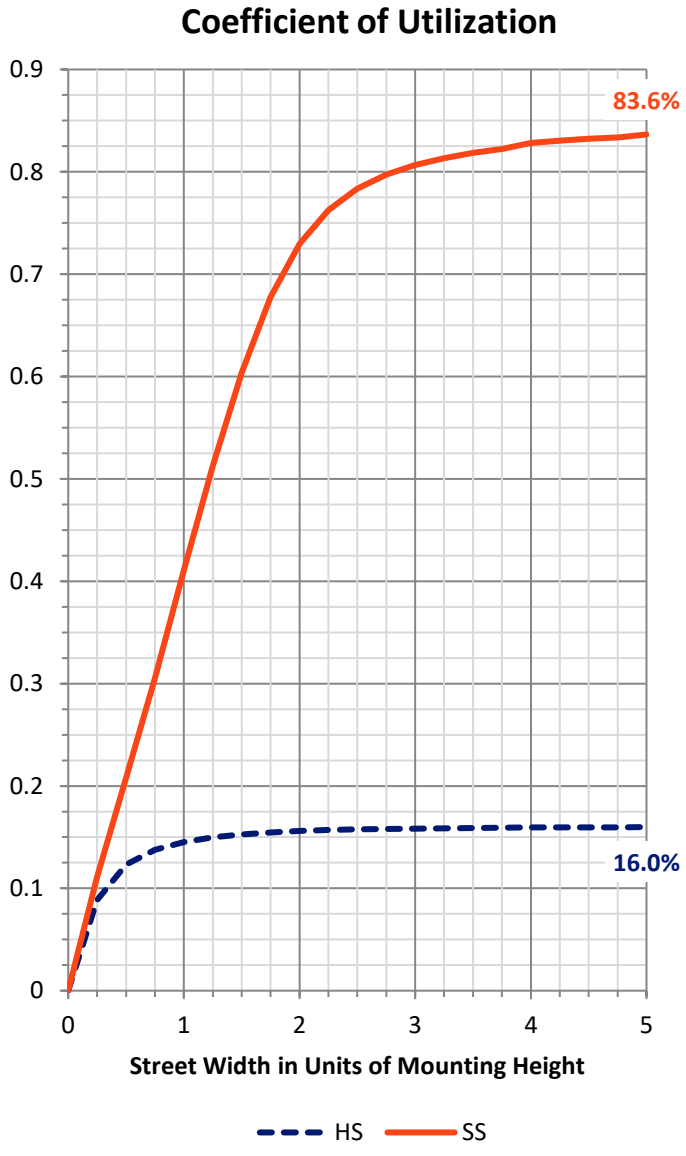
REPORT NUMBER: P1364523
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3376.3	0.0	3376.3
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	17509.4	0.0	17509.4
	% Fixture	83.8	0.0	83.8
Total	Lumens	20885.7	0.0	20885.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.0	1.7
10°-20°	959.7	4.6
20°-30°	1374.5	6.6
30°-40°	1724.1	8.3
40°-50°	2832.1	13.6
50°-60°	5110.8	24.5
60°-70°	5671.9	27.2
70°-80°	2562.6	12.3
80°-90°	303.0	1.5
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°	20885.7	100.0
0°-180°	20885.7	100.0



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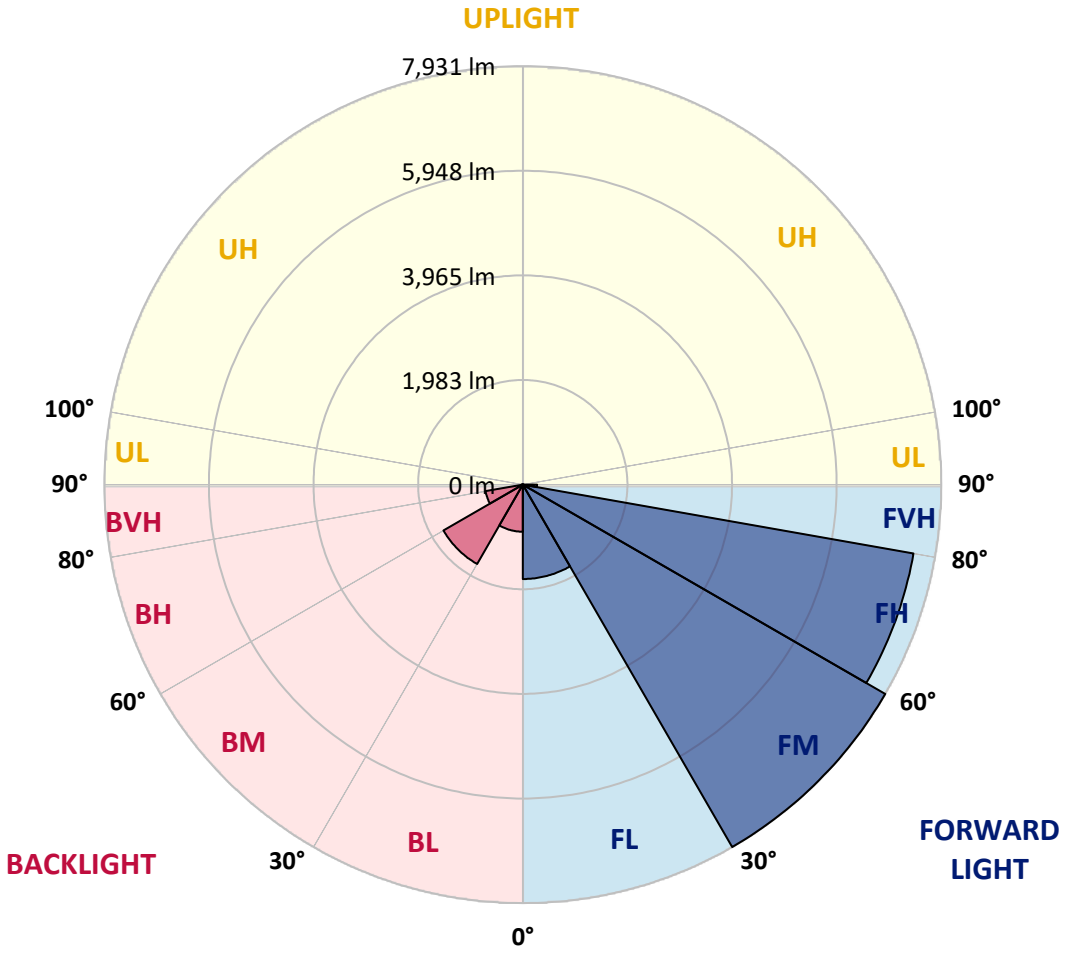
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1789.0	8.6			
FM	(30°-60°)	7930.9	38.0			
FH	(60°-80°)	7517.5	36.0			G4/12000
FVH	(80°-90°)	272.0	1.3			G3/500
BL	(0°-30°)	892.2	4.3	B2/1000		
BM	(30°-60°)	1736.1	8.3	B2/2500		
BH	(60°-80°)	717.0	3.4	B2/1000		G2/1000
BVH	(80°-90°)	31.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7
2.5°	4072.5	4068.6	4053.2	3957.0	3860.8	3777.4	3694.1	3610.7	3495.3	3405.5	3328.5
5°	4457.3	4436.7	4354.6	4207.1	4046.8	3905.7	3745.4	3591.5	3418.3	3277.2	3129.7
7.5°	4720.2	4699.7	4617.6	4373.9	4130.2	3957.0	3783.9	3623.5	3431.1	3245.1	3033.5
10°	4842.1	4819.0	4726.6	4463.7	4181.5	3969.8	3796.7	3649.2	3488.8	3302.9	3039.9
12.5°	4925.4	4897.2	4784.3	4482.9	4194.3	3982.7	3803.1	3662.0	3546.6	3437.5	3181.0
15°	4976.7	4951.1	4848.5	4534.2	4200.7	3963.4	3751.8	3617.1	3578.6	3597.9	3476.0
17.5°	5053.7	5029.3	4931.8	4598.4	4239.2	3931.4	3642.8	3495.3	3578.6	3751.8	3790.3
20°	5156.3	5130.7	5028.0	4681.7	4271.3	3835.2	3437.5	3296.4	3508.1	3796.7	3995.5
22.5°	5271.8	5251.2	5169.1	4777.9	4303.3	3694.1	3168.2	3104.0	3360.6	3668.4	3925.0
25°	5412.8	5393.6	5316.6	4912.6	4335.4	3501.7	2937.3	2950.1	3168.2	3411.9	3674.8
27.5°	5605.2	5587.3	5515.5	5079.4	4373.9	3302.9	2751.3	2815.5	2975.8	3142.5	3302.9
30°	5816.9	5802.8	5746.3	5278.2	4450.8	3116.9	2642.3	2680.8	2789.8	2924.5	3020.7
32.5°	6105.5	6082.4	5990.0	5464.2	4444.4	2975.8	2591.0	2552.5	2584.6	2693.6	2789.8
35°	6464.6	6446.7	6374.8	5656.6	4329.0	2847.5	2565.3	2430.7	2411.4	2475.5	2571.7
37.5°	6990.5	6975.1	6913.6	5970.8	4149.4	2687.2	2501.2	2302.4	2238.3	2283.1	2347.3
40°	7779.4	7739.6	7580.6	6330.0	3950.6	2526.9	2385.8	2148.5	2058.7	2090.7	2161.3
42.5°	8850.4	8774.7	8472.0	6811.0	3681.2	2372.9	2212.6	1994.5	1898.3	1917.6	1981.7
45°	10222.8	10108.7	9652.1	7471.5	3399.1	2251.1	2033.0	1834.2	1731.6	1750.8	1821.4
47.5°	11826.2	11669.7	11043.7	8164.2	3097.6	2180.5	1891.9	1673.9	1596.9	1641.8	1712.4
50°	13718.1	13560.3	12929.3	8606.7	2853.9	2135.6	1782.9	1526.4	1494.3	1552.0	1609.7
52.5°	15783.2	15558.7	14660.9	8324.5	2655.1	2097.2	1744.4	1423.8	1436.6	1481.5	1539.2
55°	17790.6	17291.6	15295.8	7388.2	2398.6	2052.3	1770.1	1346.8	1378.9	1436.6	1481.5
57.5°	19098.9	18231.8	14763.5	5951.6	2129.2	2001.0	1789.3	1308.3	1334.0	1398.1	1449.4
60°	17957.3	17085.1	13596.3	4457.3	1898.3	1891.9	1757.3	1295.5	1257.0	1346.8	1391.7
62.5°	14712.2	13993.9	11120.7	2847.5	1680.3	1686.7	1686.7	1289.1	1128.7	1244.2	1282.7
65°	*10107.4*	*9658.5*	*7862.7*	*1763.7*	*1372.5*	*1436.6*	*1532.8*	*1250.6*	*994.1*	*1128.7*	*1167.2*
67.5°	6644.2	6314.6	4996.0	1090.3	1058.2	1180.1	1327.6	1173.6	891.5	1013.3	1039.0
70°	3604.3	3354.2	2353.7	718.3	692.6	923.5	1045.4	994.1	801.7	904.3	929.9
72.5°	2379.3	2174.1	1353.2	506.7	506.7	724.7	731.1	814.5	718.3	801.7	827.3
75°	1789.3	1605.9	872.2	352.7	391.2	461.8	570.8	583.6	602.9	679.8	711.9
77.5°	820.9	720.9	320.7	211.6	288.6	320.7	436.1	372.0	448.9	506.7	519.5
80°	474.6	415.6	179.6	141.1	186.0	205.2	359.1	218.1	269.4	359.1	378.4
82.5°	198.8	177.0	89.8	96.2	115.4	121.9	198.8	153.9	173.2	237.3	230.9
85°	57.7	57.7	57.7	64.1	70.5	70.5	115.4	109.0	102.6	109.0	109.0
87.5°	38.5	38.5	38.5	38.5	44.9	44.9	51.3	57.7	64.1	64.1	64.1
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°	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7
2.5°	3296.4	3251.6	3193.8	3110.5	3097.6	3052.7	3020.7	3052.7	3084.8	3142.5	3148.9
5°	3052.7	2982.2	2847.5	2744.9	2629.5	2571.7	2565.3	2552.5	2591.0	2674.4	2725.7
7.5°	2918.1	2802.6	2558.9	2379.3	2219.0	2161.3	2116.4	2154.9	2148.5	2257.5	2302.4
10°	2886.0	2706.4	2366.5	2097.2	1898.3	1821.4	1776.5	1770.1	1782.9	1847.0	1891.9
12.5°	3001.4	2770.6	2289.6	1891.9	1661.1	1577.7	1526.4	1481.5	1481.5	1494.3	1552.0
15°	3258.0	2982.2	2334.5	1795.7	1545.6	1436.6	1353.2	1295.5	1250.6	1257.0	1263.4
17.5°	3617.1	3290.0	2449.9	1763.7	1475.1	1359.6	1257.0	1199.3	1148.0	1135.2	1135.2
20°	3899.3	3585.0	2539.7	1738.0	1417.3	1269.8	1180.1	1128.7	1083.9	1064.6	1064.6
22.5°	3931.4	3706.9	2616.6	1705.9	1346.8	1180.1	1096.7	1051.8	1019.7	1013.3	1013.3
25°	3719.7	3610.7	2591.0	1667.5	1276.3	1096.7	1032.5	994.1	962.0	955.6	962.0
27.5°	3367.0	3309.3	2501.2	1616.2	1218.5	1032.5	974.8	942.8	910.7	904.3	910.7
30°	3052.7	2988.6	2347.3	1532.8	1173.6	981.2	917.1	885.0	853.0	853.0	859.4
32.5°	2796.2	2732.1	2193.4	1436.6	1115.9	923.5	865.8	833.7	801.7	801.7	814.5
35°	2565.3	2514.0	2071.5	1340.4	1058.2	872.2	808.1	782.4	756.8	750.4	763.2
37.5°	2366.5	2340.9	1962.5	1237.8	1000.5	820.9	763.2	737.5	705.5	699.1	711.9
40°	2174.1	2161.3	1840.6	1148.0	929.9	769.6	711.9	686.2	647.7	647.7	660.6
42.5°	1994.5	1988.1	1731.6	1090.3	865.8	718.3	654.2	628.5	596.4	596.4	609.3
45°	1853.5	1847.0	1629.0	1058.2	801.7	660.6	602.9	570.8	545.1	551.5	564.4
47.5°	1725.2	1712.4	1520.0	1064.6	769.6	622.1	545.1	513.1	493.8	506.7	525.9
50°	1622.6	1609.7	1443.0	1071.0	718.3	570.8	500.2	468.2	455.3	474.6	493.8
52.5°	1558.4	1545.6	1366.0	1032.5	654.2	532.3	455.3	436.1	436.1	455.3	468.2
55°	1494.3	1481.5	1237.8	949.2	583.6	493.8	423.3	410.5	410.5	429.7	442.5
57.5°	1455.8	1430.2	1103.1	853.0	525.9	448.9	391.2	391.2	391.2	397.6	404.0
60°	1398.1	1334.0	962.0	731.1	481.0	404.0	365.6	359.1	359.1	352.7	359.1
62.5°	1276.3	1167.2	808.1	622.1	429.7	365.6	333.5	327.1	307.8	288.6	295.0
65°	*1154.4*	*987.7*	*641.3*	*519.5*	*372.0*	*314.3*	*295.0*	*288.6*	*256.5*	*230.9*	*237.3*
67.5°	1000.5	788.8	481.0	436.1	320.7	269.4	250.1	250.1	230.9	211.6	211.6
70°	891.5	615.7	404.0	327.1	256.5	211.6	211.6	224.5	205.2	179.6	179.6
72.5°	788.8	500.2	327.1	262.9	198.8	166.7	179.6	186.0	166.7	147.5	147.5
75°	673.4	391.2	256.5	205.2	147.5	128.3	134.7	147.5	134.7	115.4	121.9
77.5°	487.4	269.4	173.2	134.7	109.0	96.2	102.6	102.6	96.2	89.8	89.8
80°	339.9	179.6	115.4	89.8	77.0	70.5	70.5	64.1	64.1	70.5	70.5
82.5°	205.2	128.3	83.4	70.5	57.7	44.9	44.9	51.3	51.3	57.7	57.7
85°	89.8	77.0	57.7	51.3	38.5	32.1	38.5	38.5	44.9	51.3	51.3
87.5°	57.7	57.7	44.9	38.5	32.1	25.7	25.7	32.1	32.1	38.5	44.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7
2.5°	3174.6	3238.7	3315.7	3424.7	3520.9	3636.4	3751.8	3860.8	3963.4	3976.3	4021.2
5°	2764.1	2886.0	3039.9	3219.5	3437.5	3668.4	3892.9	4130.2	4322.6	4393.1	4495.7
7.5°	2340.9	2494.8	2719.3	2995.0	3302.9	3649.2	3995.5	4329.0	4617.6	4752.3	4887.0
10°	1936.8	2084.3	2360.1	2693.6	3091.2	3559.4	4021.2	4470.1	4822.8	4976.7	5105.0
12.5°	1571.3	1718.8	1943.2	2328.0	2809.0	3373.4	3982.7	4521.4	4912.6	5072.9	5194.8
15°	1282.7	1404.5	1616.2	1975.3	2482.0	3116.9	3848.0	4482.9	4931.8	5085.8	5175.6
17.5°	1128.7	1160.8	1295.5	1622.6	2174.1	2886.0	3674.8	4431.6	4944.7	5085.8	5137.1
20°	1064.6	1064.6	1090.3	1263.4	1802.1	2642.3	3546.6	4399.5	4963.9	5105.0	5098.6
22.5°	1006.9	1019.7	1019.7	1058.2	1372.5	2302.4	3411.9	4386.7	5021.6	5130.7	5040.9
25°	955.6	974.8	974.8	987.7	1077.4	1898.3	3245.1	4412.4	5124.2	5182.0	5002.4
27.5°	910.7	929.9	929.9	942.8	962.0	1410.9	2969.4	4418.8	5239.7	5246.1	4951.1
30°	865.8	885.0	897.9	897.9	910.7	1039.0	2623.1	4380.3	5368.0	5329.5	4944.7
32.5°	814.5	840.1	846.6	859.4	865.8	904.3	2174.1	4316.2	5528.3	5444.9	4951.1
35°	769.6	801.7	808.1	808.1	820.9	859.4	1738.0	4245.6	5746.3	5598.8	4976.7
37.5°	724.7	750.4	756.8	763.2	776.0	814.5	1378.9	4143.0	5932.3	5791.2	5105.0
40°	673.4	705.5	711.9	718.3	731.1	769.6	1186.5	4014.7	6214.5	6111.9	5297.4
42.5°	622.1	654.2	667.0	673.4	679.8	731.1	1083.9	3925.0	6669.9	6560.8	5688.6
45°	577.2	609.3	622.1	622.1	634.9	705.5	994.1	4123.8	7298.4	7247.1	6214.5
47.5°	538.7	570.8	577.2	577.2	583.6	667.0	917.1	4656.1	8260.4	8125.7	7035.4
50°	506.7	532.3	545.1	532.3	538.7	634.9	962.0	5534.7	9491.7	9536.6	8241.1
52.5°	481.0	506.7	513.1	487.4	487.4	590.0	1019.7	6253.0	11063.0	11473.4	10152.3
55°	448.9	474.6	481.0	448.9	448.9	519.5	885.0	6297.9	12852.3	14173.5	12640.7
57.5°	416.9	442.5	442.5	416.9	410.5	448.9	718.3	5586.0	14237.6	17232.6	16046.1
60°	378.4	404.0	397.6	384.8	372.0	410.5	660.6	4258.4	14051.6	19227.2	19951.9
62.5°	307.8	346.3	359.1	352.7	327.1	372.0	615.7	2777.0	12159.7	17495.6	19830.0
65°	*256.5*	*288.6*	*307.8*	*307.8*	*288.6*	*410.5*	*538.7*	*1462.2*	*9735.4*	*14846.9*	*17482.7*
67.5°	224.5	256.5	269.4	262.9	250.1	365.6	339.9	705.5	7465.1	12794.6	15648.5
70°	198.8	224.5	237.3	218.1	205.2	295.0	243.7	416.9	4996.0	10678.2	13936.2
72.5°	160.3	186.0	198.8	179.6	160.3	218.1	186.0	275.8	3251.6	9100.5	12384.1
75°	128.3	153.9	160.3	147.5	128.3	160.3	147.5	192.4	2122.8	7529.2	10530.7
77.5°	96.2	109.0	121.9	115.4	96.2	115.4	102.6	134.7	1212.1	5284.6	7388.2
80°	77.0	83.4	83.4	83.4	77.0	70.5	70.5	89.8	545.1	2603.8	3854.4
82.5°	64.1	70.5	70.5	64.1	57.7	51.3	44.9	51.3	160.3	1167.2	1776.5
85°	57.7	64.1	51.3	44.9	38.5	32.1	19.2	19.2	44.9	186.0	346.3
87.5°	44.9	38.5	32.1	25.7	12.8	6.4	6.4	0.0	6.4	6.4	6.4
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: P1364523
CATALOG NUMBER: GSS-SB6A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7	3610.7
2.5°	4091.7	4155.8	4200.7	4239.2	4226.4	4194.3	4130.2	4085.3	4075.0	4072.5
5°	4630.4	4733.0	4822.8	4810.0	4822.8	4726.6	4630.4	4515.0	4468.8	4457.3
7.5°	5079.4	5207.6	5316.6	5303.8	5265.3	5156.3	4996.0	4822.8	4740.7	4720.2
10°	5323.1	5470.6	5560.4	5528.3	5464.2	5323.1	5162.7	4957.5	4865.1	4842.1
12.5°	5368.0	5464.2	5444.9	5432.1	5419.3	5348.7	5226.9	5040.9	4948.5	4925.4
15°	5252.5	5214.0	5105.0	5079.4	5175.6	5265.3	5239.7	5085.8	4998.5	4976.7
17.5°	5060.1	4861.3	4662.5	4636.8	4797.2	5047.3	5246.1	5156.3	5074.2	5053.7
20°	4848.5	4476.5	4258.4	4213.6	4412.4	4784.3	5175.6	5226.9	5170.4	5156.3
22.5°	4598.4	4162.2	3931.4	3905.7	4053.2	4489.3	5072.9	5303.8	5278.2	5271.8
25°	4380.3	3886.5	3668.4	3629.9	3822.3	4245.6	4970.3	5432.1	5416.7	5412.8
27.5°	4200.7	3687.7	3456.8	3431.1	3617.1	4040.4	4842.1	5541.1	5592.4	5605.2
30°	4059.6	3540.2	3309.3	3277.2	3482.4	3899.3	4752.3	5695.0	5792.5	5816.9
32.5°	3950.6	3456.8	3238.7	3219.5	3437.5	3841.6	4701.0	5855.4	6055.5	6105.5
35°	3912.1	3482.4	3334.9	3379.8	3546.6	3899.3	4739.4	6118.3	6395.4	6464.6
37.5°	3995.5	3764.6	3867.2	3982.7	4046.8	4175.1	4919.0	6541.6	6900.7	6990.5
40°	4264.9	4521.4	5002.4	5226.9	5201.2	4906.2	5329.5	7138.0	7651.1	7779.4
42.5°	4951.1	5784.8	6804.5	7182.9	6964.9	6073.4	5983.6	8119.3	8704.2	8850.4
45°	5970.8	7311.2	8985.1	9838.0	9087.7	7554.9	7016.2	9517.4	10081.7	10222.8
47.5°	6990.5	9017.1	11678.7	12692.0	11216.9	9023.6	8369.4	11191.3	11699.2	11826.2
50°	8029.5	10902.7	14365.9	15719.1	13339.7	10517.9	9806.0	13256.3	13625.8	13718.1
52.5°	9100.5	12589.4	17328.8	18496.0	15558.7	11672.3	11447.8	15507.4	15728.0	15783.2
55°	10293.4	14186.3	20298.2	21240.9	17578.9	12679.1	13371.8	17861.1	17804.7	17790.6
57.5°	11883.9	15866.6	22690.3	24005.1	19413.1	14038.8	15943.5	20477.8	19374.7	19098.9
60°	14660.9	18476.8	25666.1	27096.3	21869.4	16026.9	17835.5	20420.0	18449.9	17957.3
62.5°	17880.4	20990.8	28359.7	29565.4	24454.0	18002.2	16328.3	17149.2	15199.6	14712.2
65°	15533.1	20548.3	28443.1	29680.9	24550.2	16796.5	12069.9	12159.7	10517.9	10107.4
67.5°	13217.9	18213.8	25903.4	26878.3	21901.5	13884.9	8003.8	7933.3	6902.0	6644.2
70°	11768.5	15956.4	22324.8	21484.6	18412.7	11736.4	5316.6	4406.0	3764.6	3604.3
72.5°	10575.6	12659.9	18092.0	14808.4	15276.5	9549.4	3379.8	3001.4	2503.8	2379.3
75°	9575.1	10473.0	11287.5	10235.7	10851.3	7869.2	2866.8	2315.2	1894.5	1789.3
77.5°	7619.0	8151.3	6682.7	6490.3	7599.8	5598.8	1423.8	974.8	851.7	820.9
80°	4534.2	3854.4	3790.3	4322.6	5060.1	2905.2	872.2	538.7	487.4	474.6
82.5°	2744.9	1391.7	1513.5	1911.2	2693.6	1321.1	519.5	230.9	205.2	198.8
85°	461.8	378.4	583.6	558.0	525.9	282.2	141.1	64.1	59.0	57.7
87.5°	12.8	19.2	25.7	32.1	32.1	32.1	32.1	32.1	37.2	38.5
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

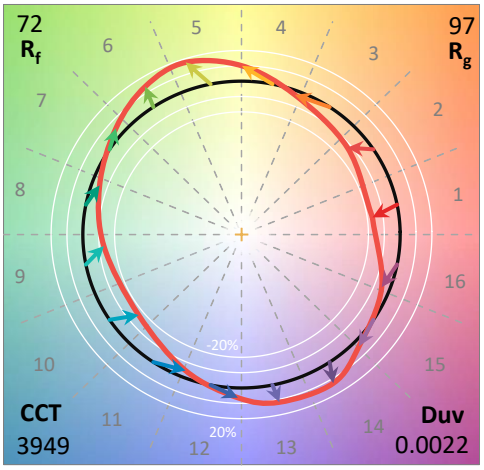
Test Information

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

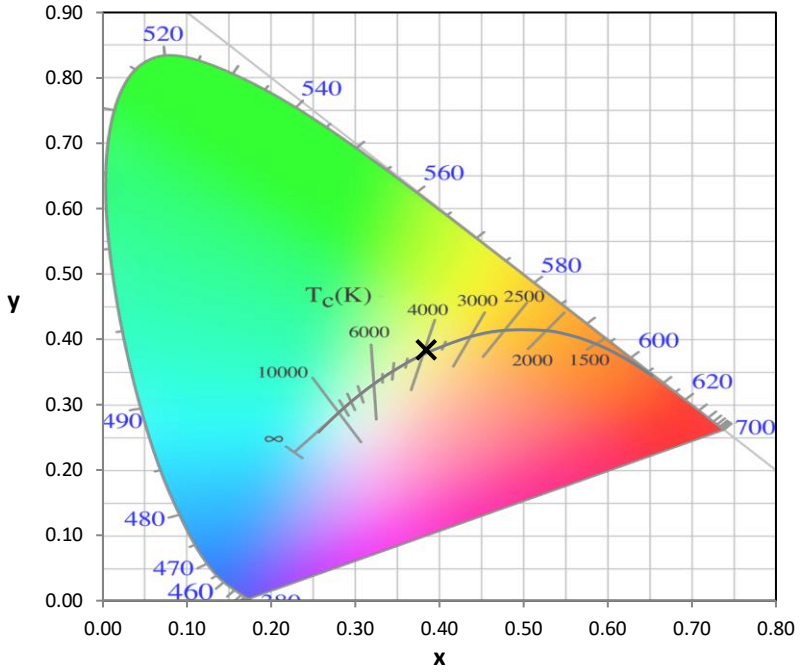
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

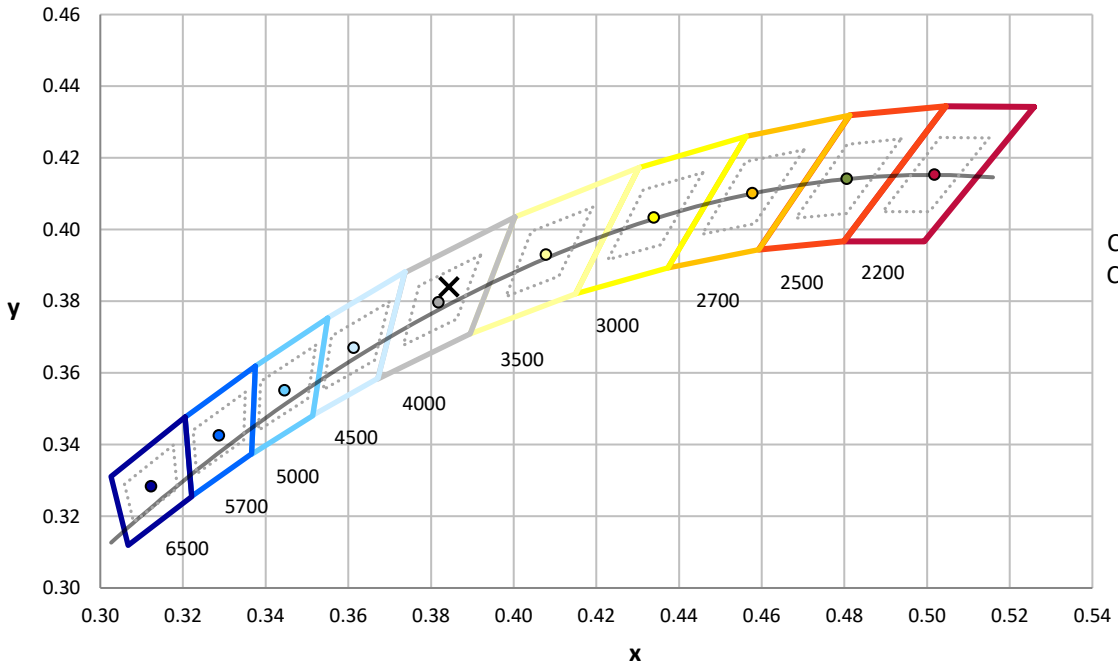
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

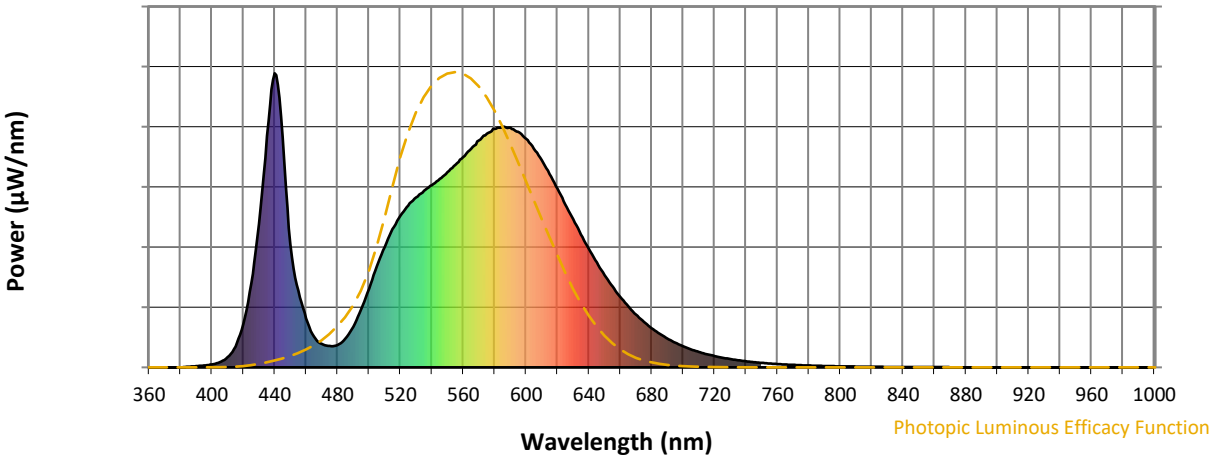


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

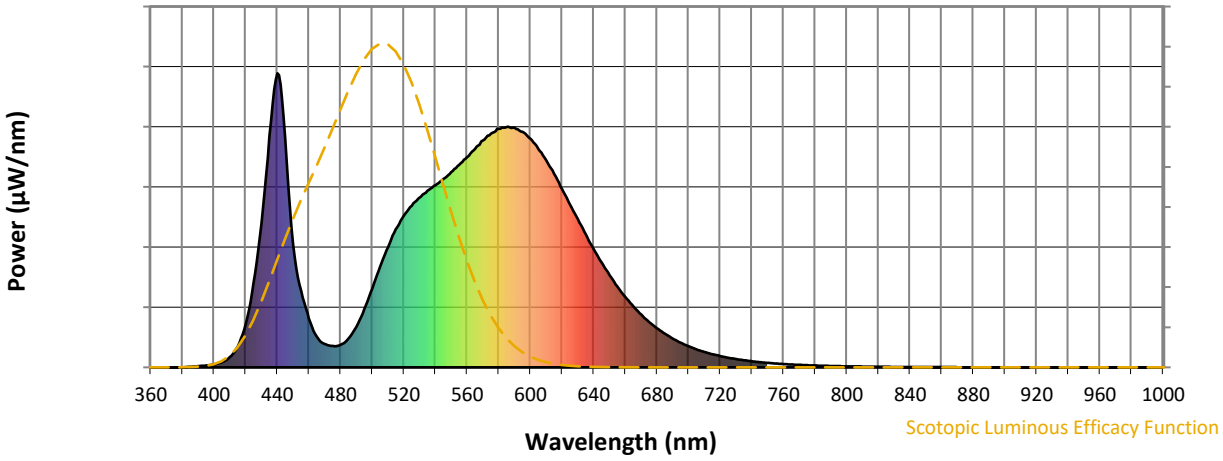


Photopic Lumens: NR

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

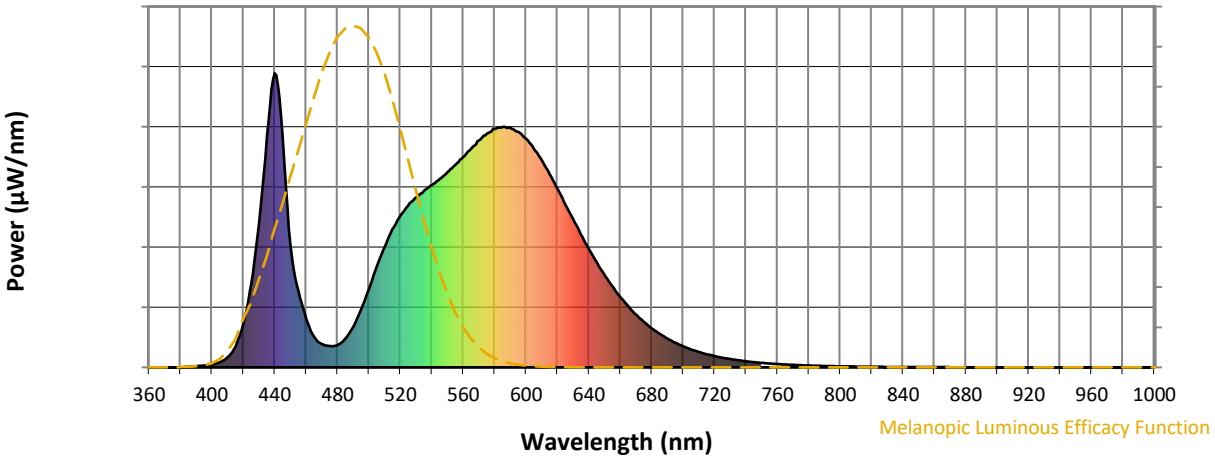


Scotopic Lumens: NR **S/P: 1.47**

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			

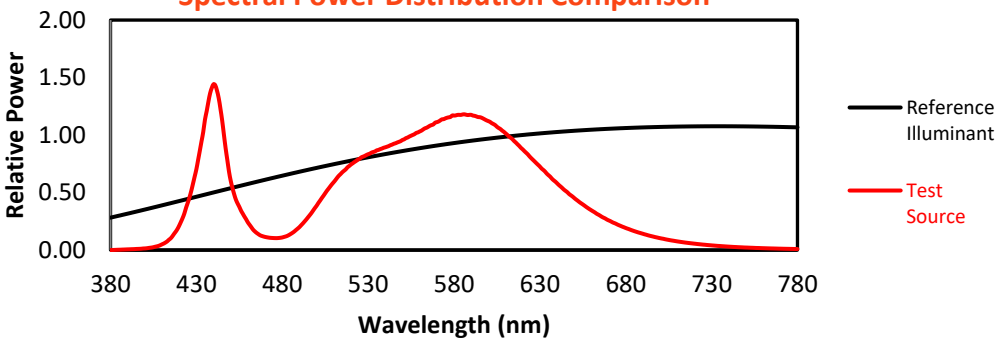
REPORT NUMBER: SP1-2407-184-1

TM-30-18

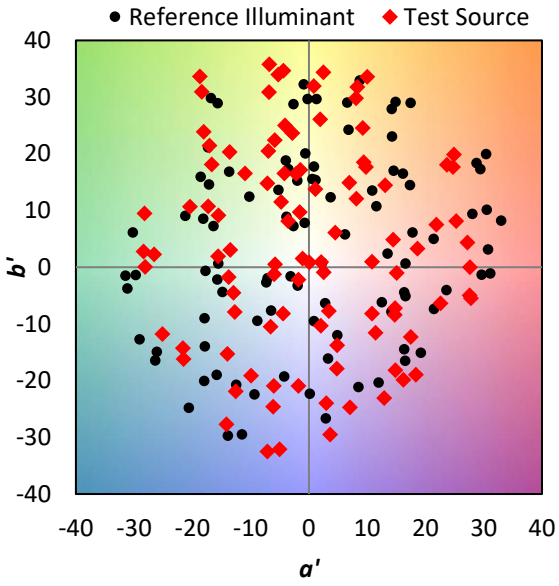
Summary

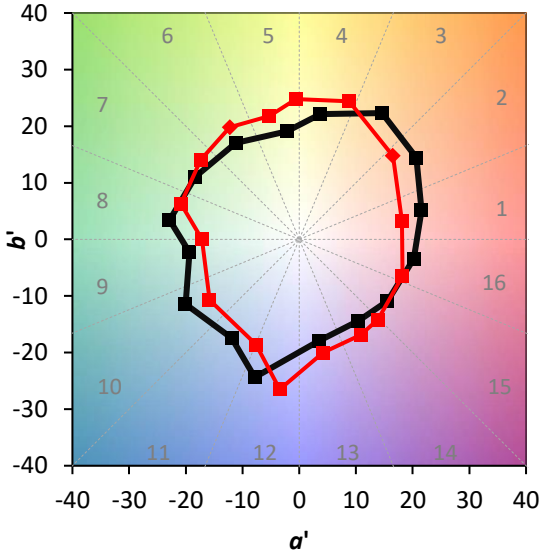
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

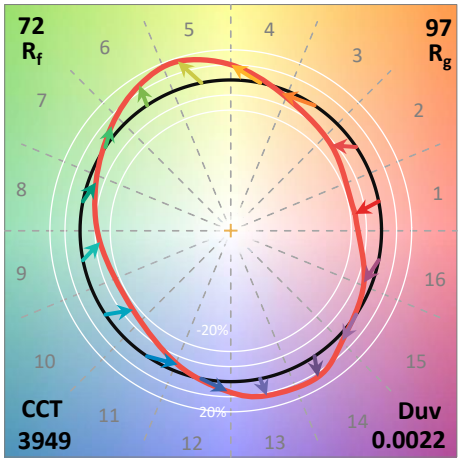
Spectral Power Distribution Comparison

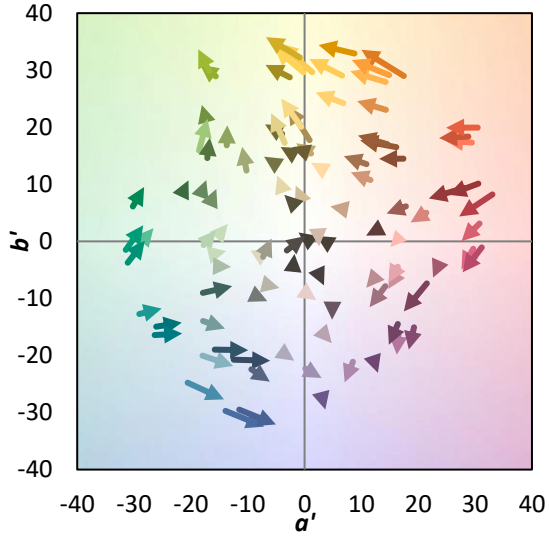


Color Vector Graphics







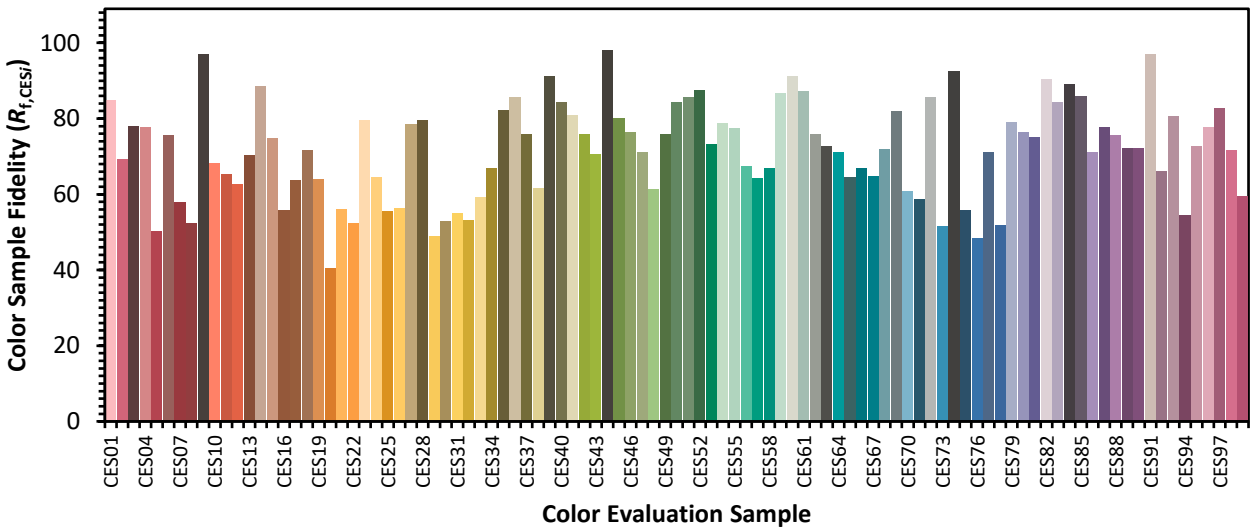


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Individual Sample Fidelity Index ($R_{f,i}$)

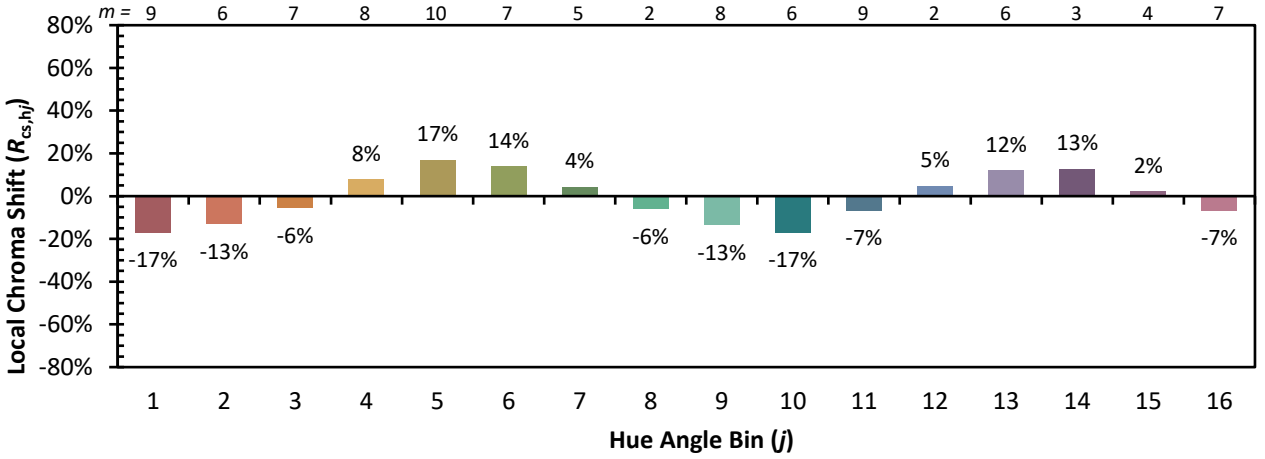
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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

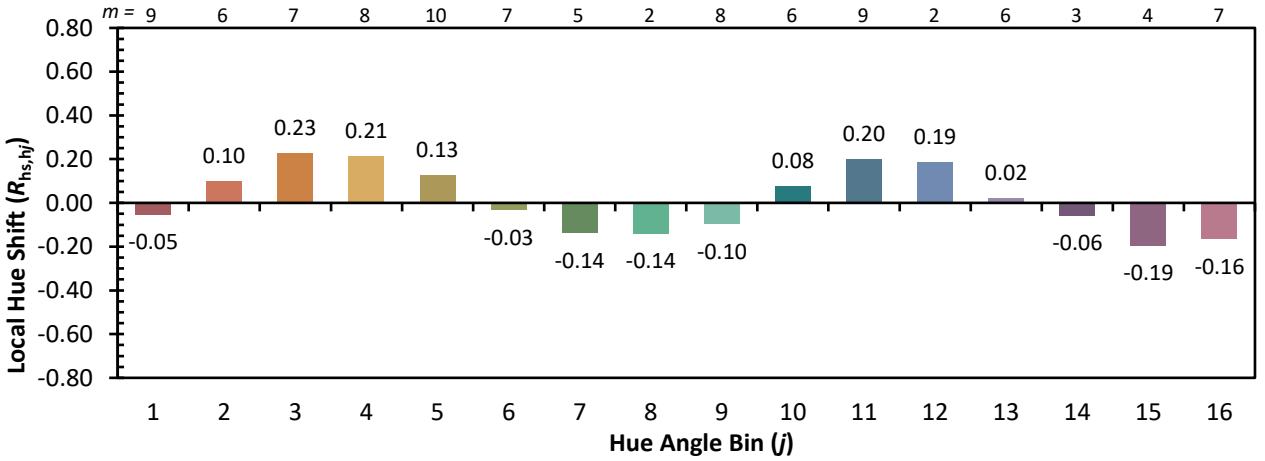


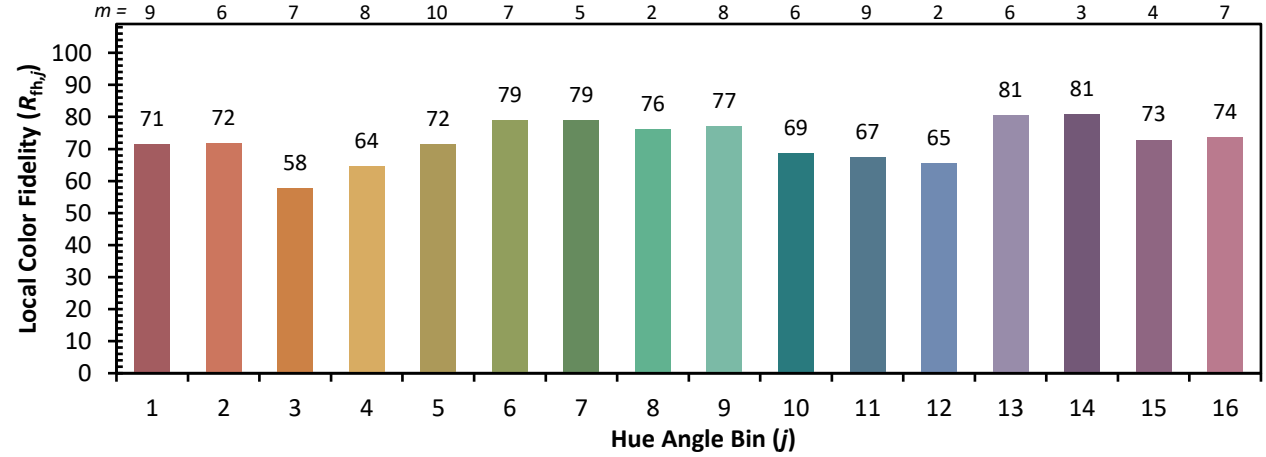
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Color Rendition by Hue-Angle Bin



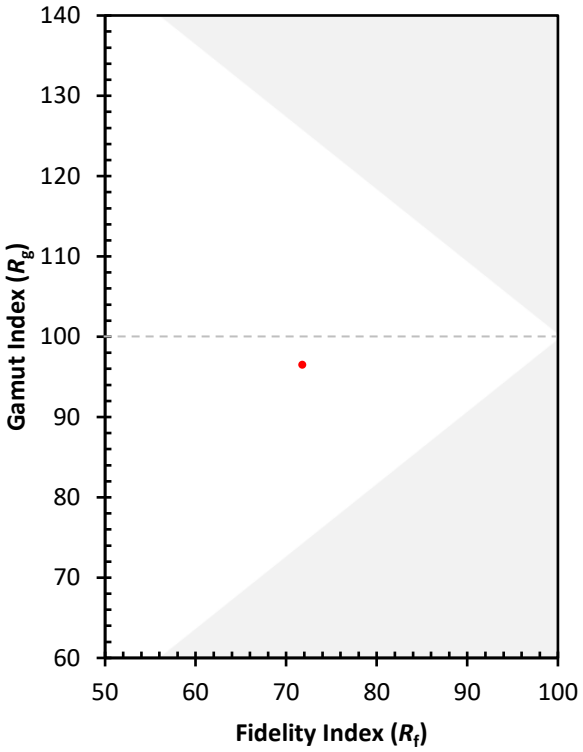


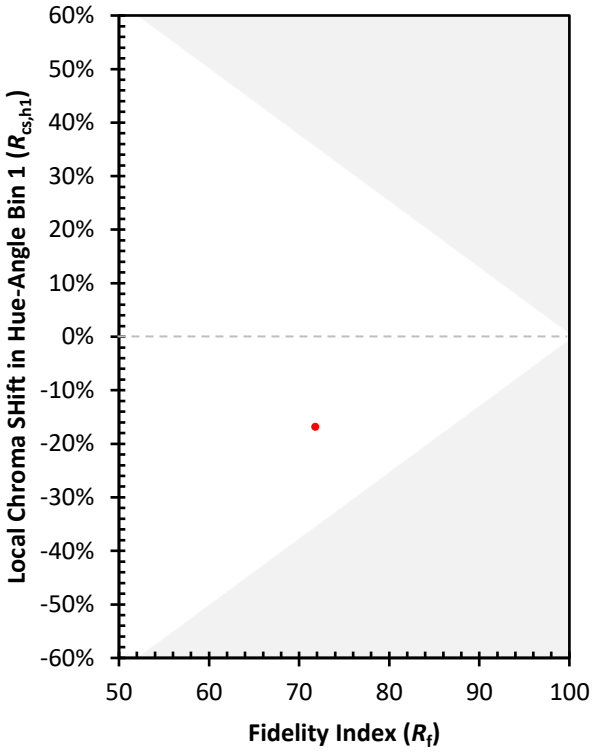


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Measure Comparisons





(END OF REPORT)