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: P1364567

Luminaire Tested: **GSS-SB5A-727-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364567
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-727-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15256.2 lumens
Efficiency:	N/A
Efficacy:	106.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

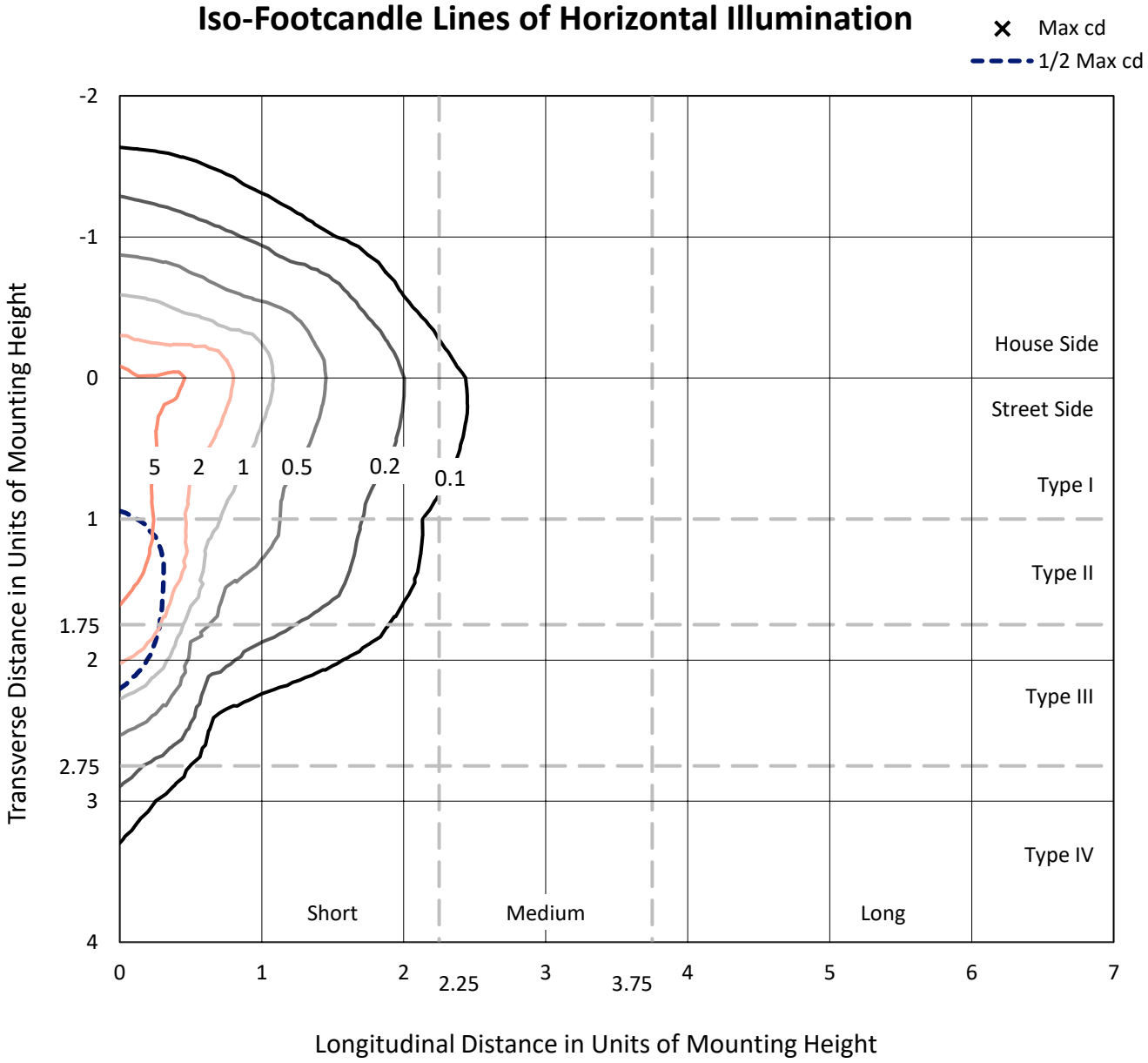
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



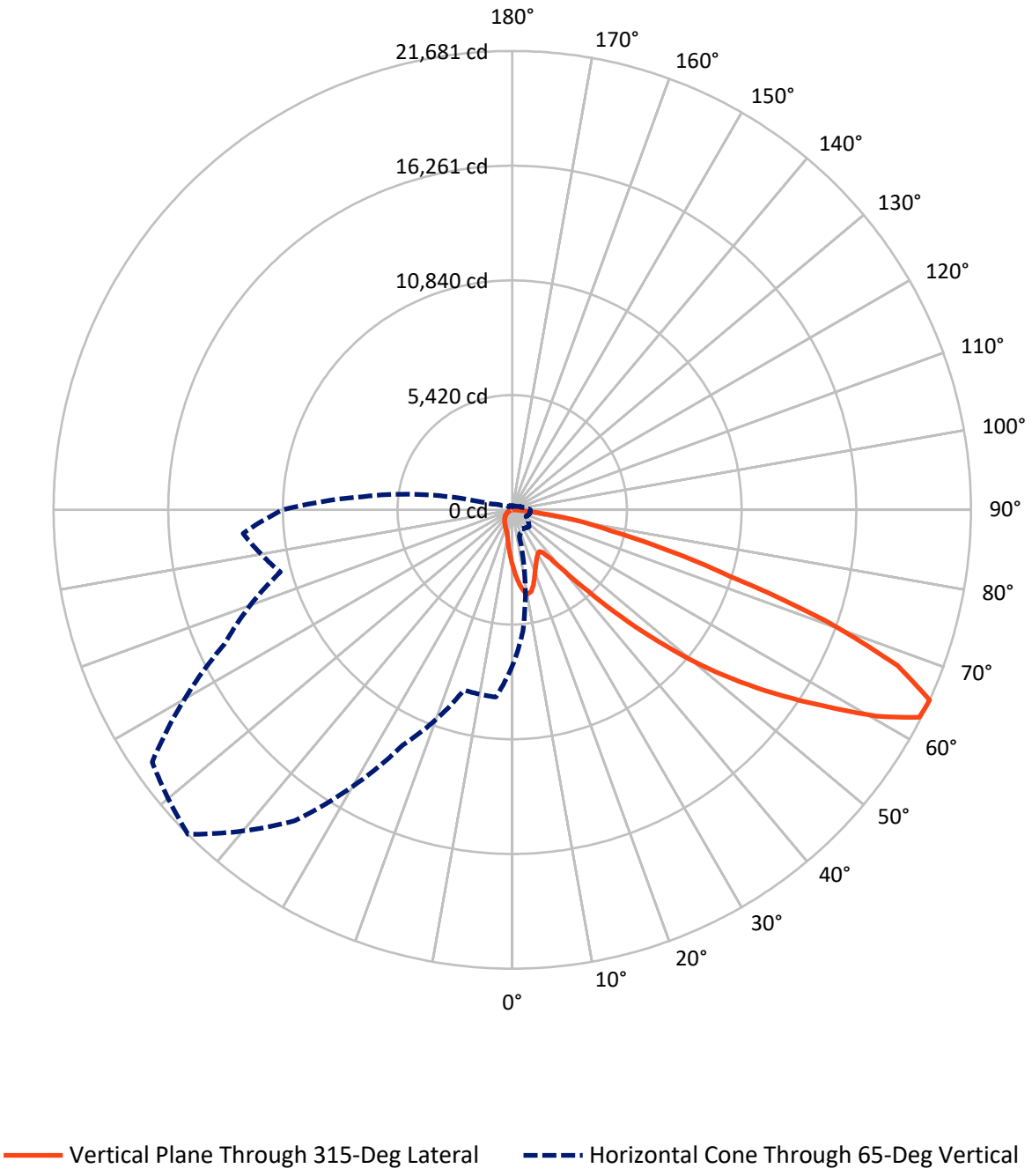
Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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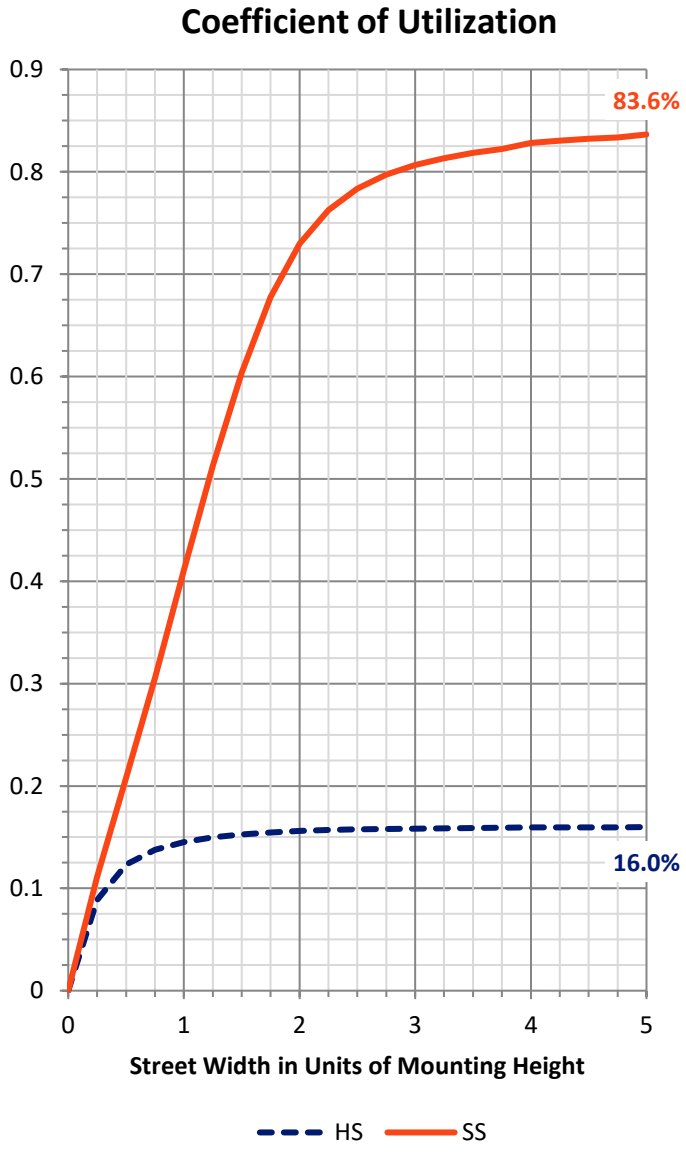
REPORT NUMBER: P1364567
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2466.2	0.0	2466.2
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	12789.9	0.0	12789.9
	% Fixture	83.8	0.0	83.8
Total	Lumens	15256.2	0.0	15256.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	1.7
10°-20°	701.0	4.6
20°-30°	1004.0	6.6
30°-40°	1259.4	8.3
40°-50°	2068.7	13.6
50°-60°	3733.2	24.5
60°-70°	4143.1	27.2
70°-80°	1871.9	12.3
80°-90°	221.3	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°	15256.2	100.0
0°-180°	15256.2	100.0



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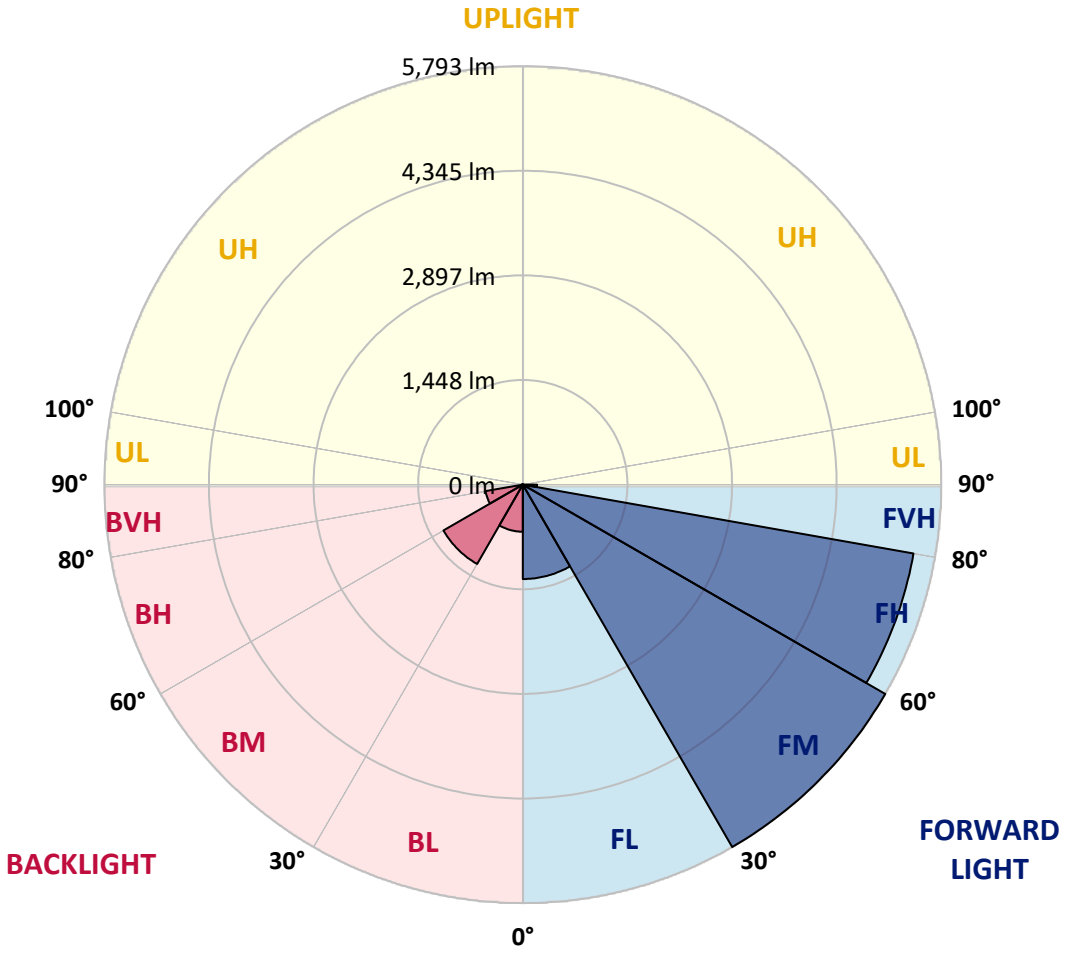
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1306.8	8.6			
FM	(30°-60°)	5793.2	38.0			
FH	(60°-80°)	5491.2	36.0			G3/7500
FVH	(80°-90°)	198.7	1.3			G2/225
BL	(0°-30°)	651.7	4.3	B2/1000		
BM	(30°-60°)	1268.1	8.3	B2/2500		
BH	(60°-80°)	523.7	3.4	B2/1000		G2/1000
BVH	(80°-90°)	22.6	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-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5
2.5°	2974.8	2972.0	2960.7	2890.4	2820.2	2759.3	2698.4	2637.5	2553.1	2487.6	2431.3
5°	3255.9	3240.9	3180.9	3073.1	2956.0	2853.0	2735.9	2623.4	2496.9	2393.9	2286.1
7.5°	3447.9	3432.9	3373.0	3195.0	3016.9	2890.4	2764.0	2646.8	2506.3	2370.4	2215.9
10°	3536.9	3520.1	3452.6	3260.5	3054.4	2899.8	2773.3	2665.6	2548.5	2412.6	2220.5
12.5°	3597.8	3577.2	3494.8	3274.6	3063.8	2909.2	2778.0	2675.0	2590.6	2511.0	2323.6
15°	3635.3	3616.6	3541.6	3312.1	3068.5	2895.1	2740.5	2642.2	2614.1	2628.1	2539.1
17.5°	3691.5	3673.7	3602.5	3358.9	3096.6	2871.7	2660.9	2553.1	2614.1	2740.5	2768.6
20°	3766.5	3747.7	3672.8	3419.8	3120.0	2801.4	2511.0	2407.9	2562.5	2773.3	2918.6
22.5°	3850.8	3835.8	3775.9	3490.1	3143.4	2698.4	2314.2	2267.4	2454.8	2679.6	2867.0
25°	3953.9	3939.8	3883.6	3588.5	3166.8	2557.8	2145.6	2155.0	2314.2	2492.2	2684.3
27.5°	4094.4	4081.3	4028.8	3710.3	3195.0	2412.6	2009.7	2056.6	2173.7	2295.5	2412.6
30°	4249.0	4238.7	4197.5	3855.5	3251.2	2276.8	1930.1	1958.2	2037.8	2136.2	2206.5
32.5°	4459.8	4442.9	4375.5	3991.3	3246.5	2173.7	1892.6	1864.5	1887.9	1967.6	2037.8
35°	4722.2	4709.0	4656.6	4131.9	3162.2	2080.0	1873.9	1775.5	1761.4	1808.3	1878.6
37.5°	5106.3	5095.1	5050.1	4361.4	3031.0	1962.9	1827.0	1681.8	1635.0	1667.7	1714.6
40°	5682.5	5653.5	5537.3	4623.8	2885.8	1845.8	1742.7	1569.4	1503.8	1527.2	1578.7
42.5°	6464.9	6409.6	6188.5	4975.1	2689.0	1733.3	1616.2	1456.9	1386.7	1400.7	1447.6
45°	7467.4	7384.0	7050.4	5457.7	2482.9	1644.3	1485.0	1339.8	1264.9	1278.9	1330.4
47.5°	8638.5	8524.2	8067.0	5963.6	2262.7	1592.8	1382.0	1222.7	1166.5	1199.3	1250.8
50°	10020.5	9905.3	9444.3	6286.8	2084.7	1560.0	1302.3	1115.0	1091.5	1133.7	1175.9
52.5°	11529.0	11365.0	10709.2	6080.7	1939.5	1531.9	1274.2	1040.0	1049.4	1082.2	1124.3
55°	12995.3	12630.8	11173.0	5396.7	1752.1	1499.1	1293.0	983.8	1007.2	1049.4	1082.2
57.5°	13951.0	13317.6	10784.1	4347.4	1555.3	1461.6	1307.0	955.7	974.4	1021.3	1058.7
60°	13117.1	12480.0	9931.5	3255.9	1386.7	1382.0	1283.6	946.3	918.2	983.8	1016.6
62.5°	10746.7	10222.0	8123.2	2080.0	1227.4	1232.1	1232.1	941.6	824.5	908.8	936.9
65°	*7383.1*	*7055.1*	*5743.4*	*1288.3*	*1002.5*	*1049.4*	*1119.6*	*913.5*	*726.1*	*824.5*	*852.6*
67.5°	4853.3	4612.5	3649.4	796.4	773.0	862.0	969.7	857.3	651.2	740.2	758.9
70°	2632.8	2450.1	1719.3	524.7	505.9	674.6	763.6	726.1	585.6	660.5	679.3
72.5°	1738.0	1588.1	988.5	370.1	370.1	529.4	534.1	595.0	524.7	585.6	604.3
75°	1307.0	1173.0	637.1	257.7	285.8	337.3	416.9	426.3	440.4	496.6	520.0
77.5°	599.6	526.6	234.2	154.6	210.8	234.2	318.6	271.7	327.9	370.1	379.5
80°	346.7	303.6	131.2	103.1	135.9	149.9	262.3	159.3	196.8	262.3	276.4
82.5°	145.2	129.3	65.6	70.3	84.3	89.0	145.2	112.4	126.5	173.3	168.6
85°	42.2	42.2	42.2	46.8	51.5	51.5	84.3	79.6	75.0	79.6	79.6
87.5°	28.1	28.1	28.1	28.1	32.8	32.8	37.5	42.2	46.8	46.8	46.8
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°	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5
2.5°	2407.9	2375.1	2333.0	2272.1	2262.7	2229.9	2206.5	2229.9	2253.3	2295.5	2300.2
5°	2229.9	2178.4	2080.0	2005.0	1920.7	1878.6	1873.9	1864.5	1892.6	1953.5	1991.0
7.5°	2131.5	2047.2	1869.2	1738.0	1620.9	1578.7	1545.9	1574.1	1569.4	1649.0	1681.8
10°	2108.1	1976.9	1728.6	1531.9	1386.7	1330.4	1297.7	1293.0	1302.3	1349.2	1382.0
12.5°	2192.4	2023.8	1672.4	1382.0	1213.3	1152.4	1115.0	1082.2	1082.2	1091.5	1133.7
15°	2379.8	2178.4	1705.2	1311.7	1129.0	1049.4	988.5	946.3	913.5	918.2	922.9
17.5°	2642.2	2403.2	1789.5	1288.3	1077.5	993.2	918.2	876.0	838.6	829.2	829.2
20°	2848.3	2618.7	1855.1	1269.5	1035.3	927.6	862.0	824.5	791.7	777.7	777.7
22.5°	2871.7	2707.7	1911.3	1246.1	983.8	862.0	801.1	768.3	744.9	740.2	740.2
25°	2717.1	2637.5	1892.6	1218.0	932.3	801.1	754.2	726.1	702.7	698.0	702.7
27.5°	2459.5	2417.3	1827.0	1180.5	890.1	754.2	712.1	688.6	665.2	660.5	665.2
30°	2229.9	2183.1	1714.6	1119.6	857.3	716.8	669.9	646.5	623.1	623.1	627.7
32.5°	2042.5	1995.7	1602.2	1049.4	815.1	674.6	632.4	609.0	585.6	585.6	595.0
35°	1873.9	1836.4	1513.2	979.1	773.0	637.1	590.3	571.5	552.8	548.1	557.5
37.5°	1728.6	1709.9	1433.5	904.1	730.8	599.6	557.5	538.7	515.3	510.6	520.0
40°	1588.1	1578.7	1344.5	838.6	679.3	562.2	520.0	501.3	473.2	473.2	482.5
42.5°	1456.9	1452.3	1264.9	796.4	632.4	524.7	477.8	459.1	435.7	435.7	445.0
45°	1353.9	1349.2	1189.9	773.0	585.6	482.5	440.4	416.9	398.2	402.9	412.3
47.5°	1260.2	1250.8	1110.3	777.7	562.2	454.4	398.2	374.8	360.7	370.1	384.1
50°	1185.2	1175.9	1054.1	782.3	524.7	416.9	365.4	342.0	332.6	346.7	360.7
52.5°	1138.4	1129.0	997.8	754.2	477.8	388.8	332.6	318.6	318.6	332.6	342.0
55°	1091.5	1082.2	904.1	693.3	426.3	360.7	309.2	299.8	299.8	313.9	323.2
57.5°	1063.4	1044.7	805.8	623.1	384.1	327.9	285.8	285.8	285.8	290.5	295.1
60°	1021.3	974.4	702.7	534.1	351.4	295.1	267.0	262.3	262.3	257.7	262.3
62.5°	932.3	852.6	590.3	454.4	313.9	267.0	243.6	238.9	224.9	210.8	215.5
65°	*843.2*	*721.4*	*468.5*	*379.5*	*271.7*	*229.5*	*215.5*	*210.8*	*187.4*	*168.6*	*173.3*
67.5°	730.8	576.2	351.4	318.6	234.2	196.8	182.7	182.7	168.6	154.6	154.6
70°	651.2	449.7	295.1	238.9	187.4	154.6	154.6	164.0	149.9	131.2	131.2
72.5°	576.2	365.4	238.9	192.1	145.2	121.8	131.2	135.9	121.8	107.7	107.7
75°	491.9	285.8	187.4	149.9	107.7	93.7	98.4	107.7	98.4	84.3	89.0
77.5°	356.0	196.8	126.5	98.4	79.6	70.3	75.0	75.0	70.3	65.6	65.6
80°	248.3	131.2	84.3	65.6	56.2	51.5	51.5	46.8	46.8	51.5	51.5
82.5°	149.9	93.7	60.9	51.5	42.2	32.8	32.8	37.5	37.5	42.2	42.2
85°	65.6	56.2	42.2	37.5	28.1	23.4	28.1	28.1	32.8	37.5	37.5
87.5°	42.2	42.2	32.8	28.1	23.4	18.7	18.7	23.4	23.4	28.1	32.8
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°	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5
2.5°	2318.9	2365.8	2422.0	2501.6	2571.9	2656.2	2740.5	2820.2	2895.1	2904.5	2937.3
5°	2019.1	2108.1	2220.5	2351.7	2511.0	2679.6	2843.6	3016.9	3157.5	3209.0	3284.0
7.5°	1709.9	1822.3	1986.3	2187.7	2412.6	2665.6	2918.6	3162.2	3373.0	3471.3	3569.7
10°	1414.8	1522.5	1724.0	1967.6	2258.0	2600.0	2937.3	3265.2	3522.9	3635.3	3729.0
12.5°	1147.7	1255.5	1419.5	1700.5	2051.9	2464.1	2909.2	3302.7	3588.5	3705.6	3794.6
15°	936.9	1025.9	1180.5	1442.9	1813.0	2276.8	2810.8	3274.6	3602.5	3714.9	3780.5
17.5°	824.5	847.9	946.3	1185.2	1588.1	2108.1	2684.3	3237.1	3611.9	3714.9	3752.4
20°	777.7	777.7	796.4	922.9	1316.4	1930.1	2590.6	3213.7	3625.9	3729.0	3724.3
22.5°	735.5	744.9	744.9	773.0	1002.5	1681.8	2492.2	3204.3	3668.1	3747.7	3682.2
25°	698.0	712.1	712.1	721.4	787.0	1386.7	2370.4	3223.1	3743.1	3785.2	3654.0
27.5°	665.2	679.3	679.3	688.6	702.7	1030.6	2169.0	3227.7	3827.4	3832.1	3616.6
30°	632.4	646.5	655.9	655.9	665.2	758.9	1916.0	3199.6	3921.1	3893.0	3611.9
32.5°	595.0	613.7	618.4	627.7	632.4	660.5	1588.1	3152.8	4038.2	3977.3	3616.6
35°	562.2	585.6	590.3	590.3	599.6	627.7	1269.5	3101.3	4197.5	4089.7	3635.3
37.5°	529.4	548.1	552.8	557.5	566.8	595.0	1007.2	3026.3	4333.3	4230.3	3729.0
40°	491.9	515.3	520.0	524.7	534.1	562.2	866.7	2932.6	4539.5	4464.5	3869.5
42.5°	454.4	477.8	487.2	491.9	496.6	534.1	791.7	2867.0	4872.1	4792.4	4155.3
45°	421.6	445.0	454.4	454.4	463.8	515.3	726.1	3012.2	5331.2	5293.7	4539.5
47.5°	393.5	416.9	421.6	421.6	426.3	487.2	669.9	3401.1	6033.9	5935.5	5139.1
50°	370.1	388.8	398.2	388.8	393.5	463.8	702.7	4042.9	6933.3	6966.1	6019.8
52.5°	351.4	370.1	374.8	356.0	356.0	431.0	744.9	4567.6	8081.1	8380.9	7415.8
55°	327.9	346.7	351.4	327.9	327.9	379.5	646.5	4600.4	9388.1	10353.1	9233.5
57.5°	304.5	323.2	323.2	304.5	299.8	327.9	524.7	4080.4	10400.0	12587.7	11721.1
60°	276.4	295.1	290.5	281.1	271.7	299.8	482.5	3110.6	10264.1	14044.7	14574.0
62.5°	224.9	253.0	262.3	257.7	238.9	271.7	449.7	2028.5	8882.1	12779.8	14485.0
65°	*187.4*	*210.8*	*224.9*	*224.9*	*210.8*	*299.8*	*393.5*	*1068.1*	*7111.3*	*10845.0*	*12770.4*
67.5°	164.0	187.4	196.8	192.1	182.7	267.0	248.3	515.3	5453.0	9345.9	11430.6
70°	145.2	164.0	173.3	159.3	149.9	215.5	178.0	304.5	3649.4	7800.0	10179.8
72.5°	117.1	135.9	145.2	131.2	117.1	159.3	135.9	201.4	2375.1	6647.6	9046.1
75°	93.7	112.4	117.1	107.7	93.7	117.1	107.7	140.5	1550.6	5499.8	7692.2
77.5°	70.3	79.6	89.0	84.3	70.3	84.3	75.0	98.4	885.4	3860.2	5396.7
80°	56.2	60.9	60.9	60.9	56.2	51.5	51.5	65.6	398.2	1902.0	2815.5
82.5°	46.8	51.5	51.5	46.8	42.2	37.5	32.8	37.5	117.1	852.6	1297.7
85°	42.2	46.8	37.5	32.8	28.1	23.4	14.1	14.1	32.8	135.9	253.0
87.5°	32.8	28.1	23.4	18.7	9.4	4.7	4.7	0.0	4.7	4.7	4.7
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: P1364567
CATALOG NUMBER: GSS-SB5A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5	2637.5
2.5°	2988.8	3035.7	3068.5	3096.6	3087.2	3063.8	3016.9	2984.1	2976.6	2974.8
5°	3382.3	3457.3	3522.9	3513.5	3522.9	3452.6	3382.3	3298.0	3264.3	3255.9
7.5°	3710.3	3804.0	3883.6	3874.2	3846.1	3766.5	3649.4	3522.9	3462.9	3447.9
10°	3888.3	3996.0	4061.6	4038.2	3991.3	3888.3	3771.2	3621.3	3553.8	3536.9
12.5°	3921.1	3991.3	3977.3	3967.9	3958.6	3907.0	3818.0	3682.2	3614.7	3597.8
15°	3836.8	3808.6	3729.0	3710.3	3780.5	3846.1	3827.4	3714.9	3651.2	3635.3
17.5°	3696.2	3551.0	3405.8	3387.0	3504.1	3686.8	3832.1	3766.5	3706.5	3691.5
20°	3541.6	3269.9	3110.6	3077.8	3223.1	3494.8	3780.5	3818.0	3776.8	3766.5
22.5°	3358.9	3040.4	2871.7	2853.0	2960.7	3279.3	3705.6	3874.2	3855.5	3850.8
25°	3199.6	2838.9	2679.6	2651.5	2792.1	3101.3	3630.6	3967.9	3956.7	3953.9
27.5°	3068.5	2693.7	2525.0	2506.3	2642.2	2951.3	3536.9	4047.6	4085.0	4094.4
30°	2965.4	2585.9	2417.3	2393.9	2543.8	2848.3	3471.3	4160.0	4231.2	4249.0
32.5°	2885.8	2525.0	2365.8	2351.7	2511.0	2806.1	3433.9	4277.1	4423.3	4459.8
35°	2857.7	2543.8	2436.0	2468.8	2590.6	2848.3	3462.0	4469.2	4671.6	4722.2
37.5°	2918.6	2749.9	2824.9	2909.2	2956.0	3049.7	3593.1	4778.4	5040.7	5106.3
40°	3115.3	3302.7	3654.0	3818.0	3799.3	3583.8	3893.0	5214.0	5588.8	5682.5
42.5°	3616.6	4225.6	4970.4	5246.8	5087.6	4436.4	4370.8	5930.8	6358.0	6464.9
45°	4361.4	5340.5	6563.2	7186.3	6638.2	5518.6	5125.0	6952.1	7364.3	7467.4
47.5°	5106.3	6586.7	8530.8	9271.0	8193.5	6591.3	6113.5	8174.8	8545.8	8638.5
50°	5865.2	7964.0	10493.7	11482.1	9744.1	7682.9	7162.9	9683.2	9953.1	10020.5
52.5°	6647.6	9196.0	12658.0	13510.6	11365.0	8526.1	8362.2	11327.6	11488.7	11529.0
55°	7518.9	10362.5	14827.0	15515.7	12840.7	9261.6	9767.6	13046.8	13005.6	12995.3
57.5°	8680.7	11589.9	16574.4	17534.8	14180.5	10254.8	11646.1	14958.2	14152.4	13951.0
60°	10709.2	13496.6	18748.1	19792.8	15974.8	11707.0	13028.1	14916.0	13476.9	13117.1
62.5°	13060.9	15333.0	20715.6	21596.4	17862.7	13149.9	11927.2	12526.8	11102.7	10746.7
65°	11346.3	15009.7	20776.5	21680.7	17932.9	12269.2	8816.6	8882.1	7682.9	7383.1
67.5°	9655.1	13304.5	18921.4	19633.5	15998.2	10142.3	5846.5	5794.9	5041.7	4853.3
70°	8596.4	11655.5	16307.4	15693.7	13449.7	8573.0	3883.6	3218.4	2749.9	2632.8
72.5°	7725.0	9247.6	13215.5	10816.9	11158.9	6975.5	2468.8	2192.4	1828.9	1738.0
75°	6994.2	7650.1	8245.0	7476.7	7926.5	5748.1	2094.1	1691.2	1383.9	1307.0
77.5°	5565.4	5954.2	4881.4	4740.9	5551.3	4089.7	1040.0	712.1	622.1	599.6
80°	3312.1	2815.5	2768.6	3157.5	3696.2	2122.2	637.1	393.5	356.0	346.7
82.5°	2005.0	1016.6	1105.6	1396.0	1967.6	965.0	379.5	168.6	149.9	145.2
85°	337.3	276.4	426.3	407.6	384.1	206.1	103.1	46.8	43.1	42.2
87.5°	9.4	14.1	18.7	23.4	23.4	23.4	23.4	23.4	27.2	28.1
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

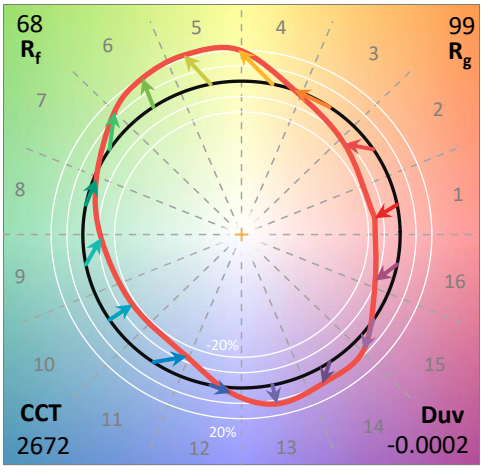
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

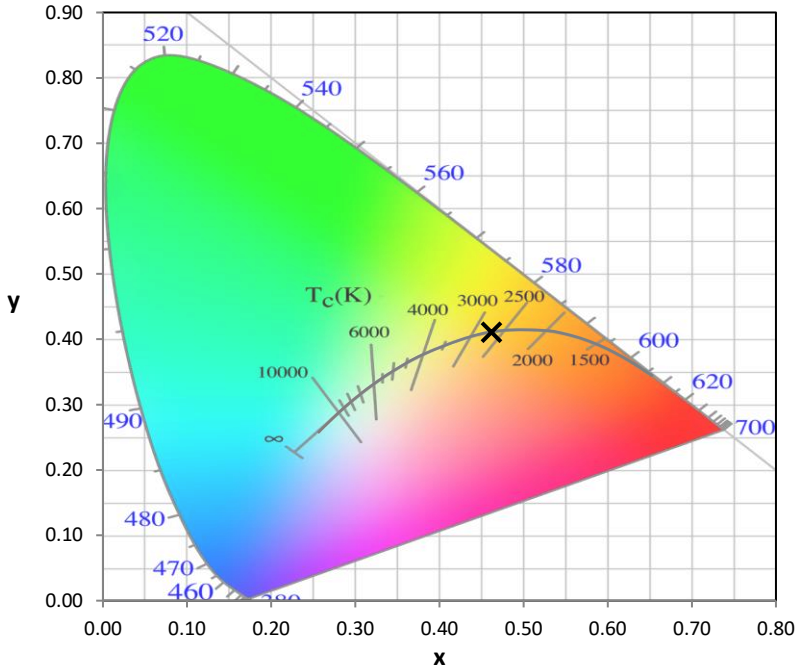
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

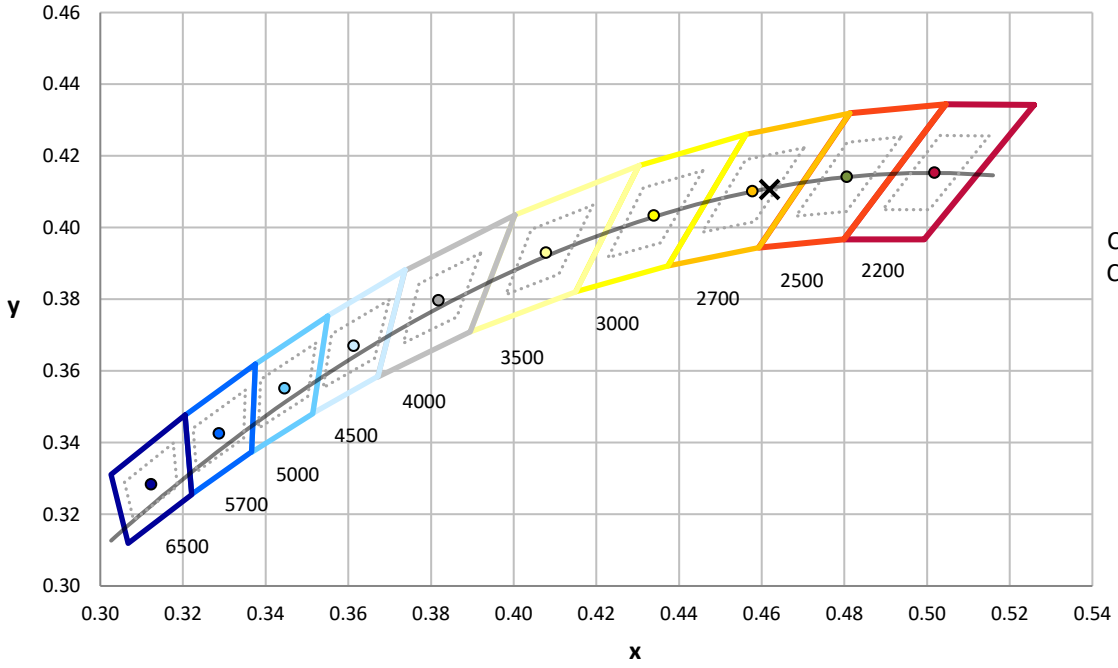
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

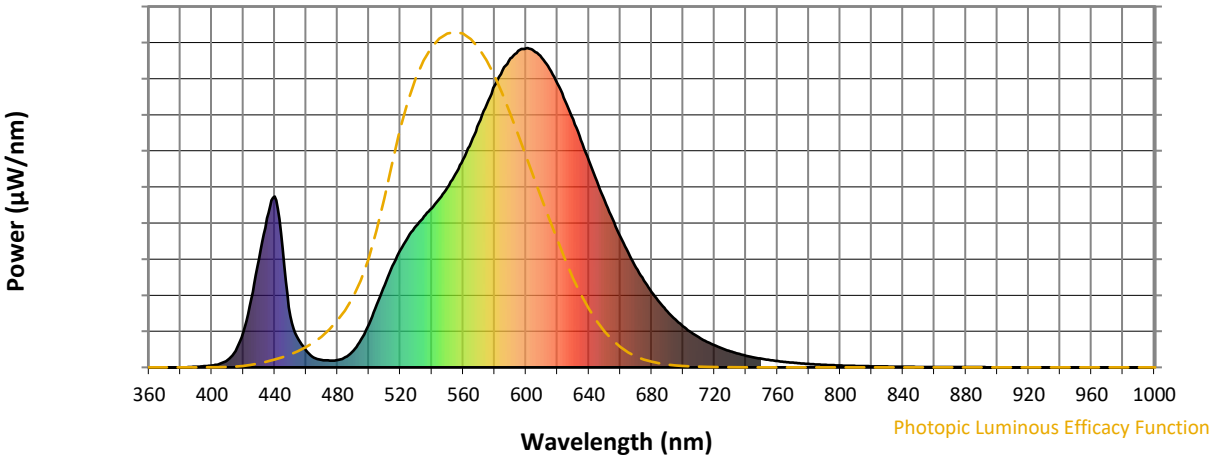


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

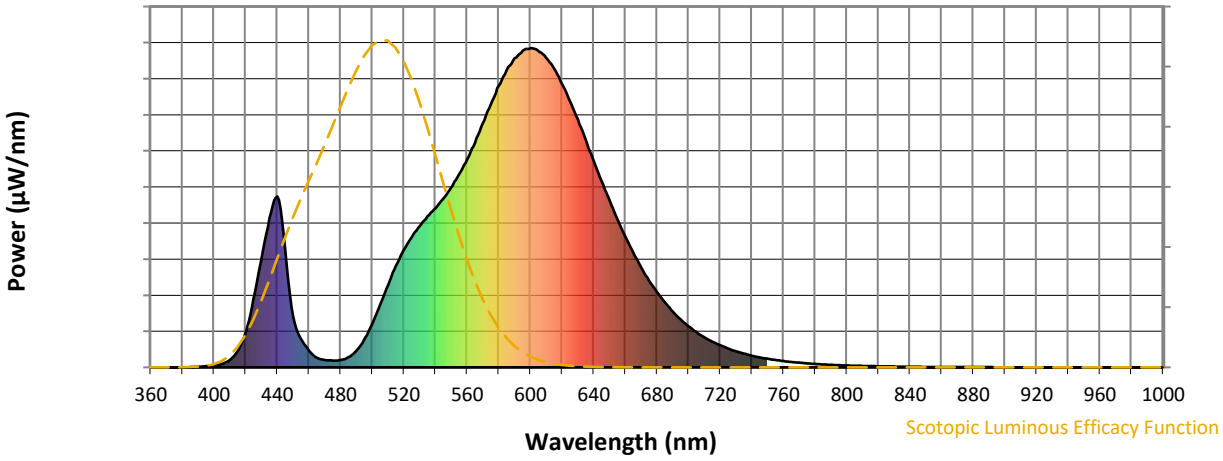


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

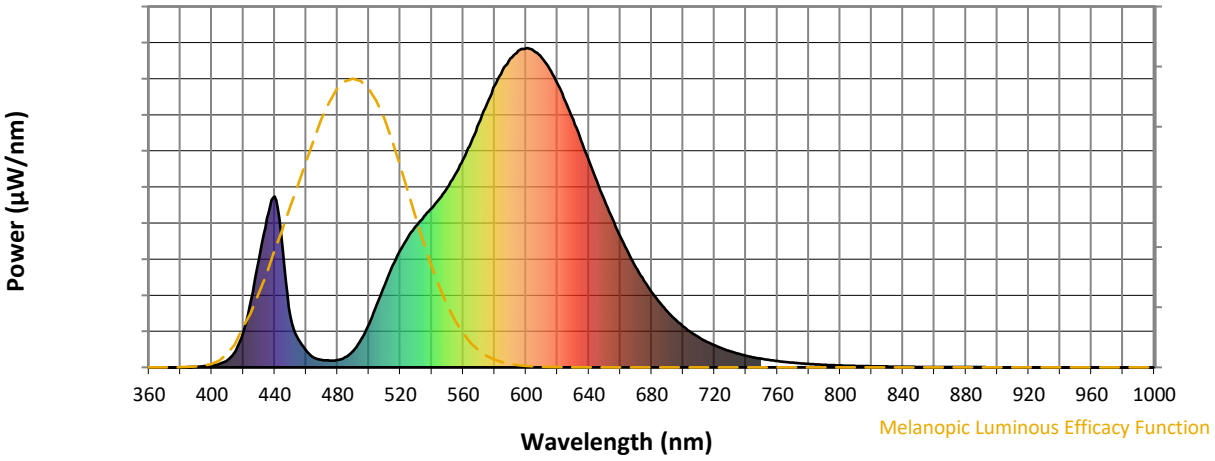


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

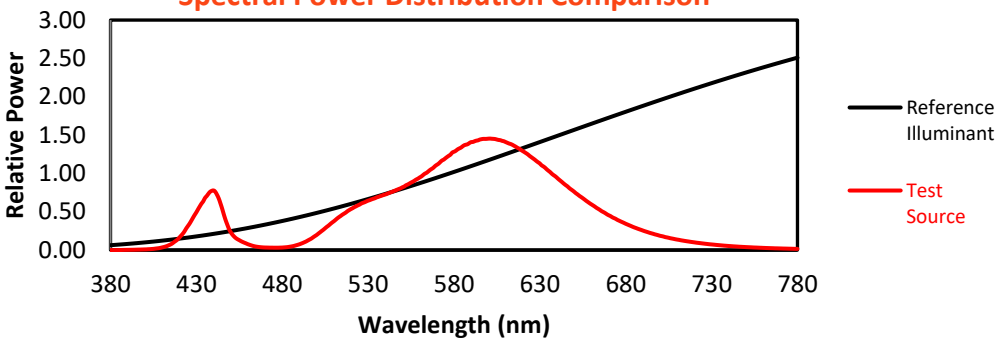
REPORT NUMBER: SP1-2407-184-3

TM-30-18

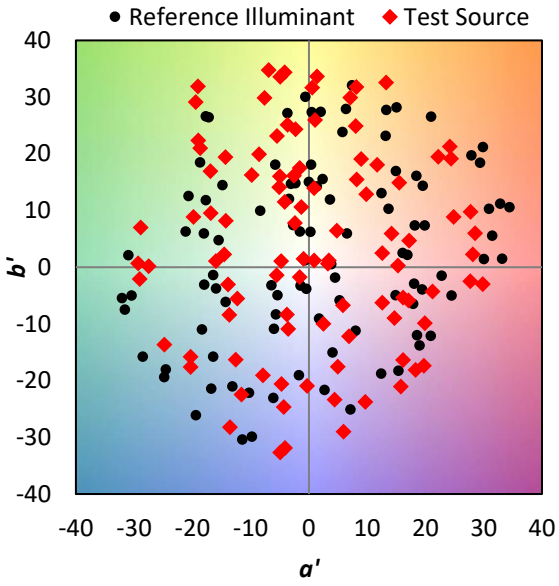
Summary

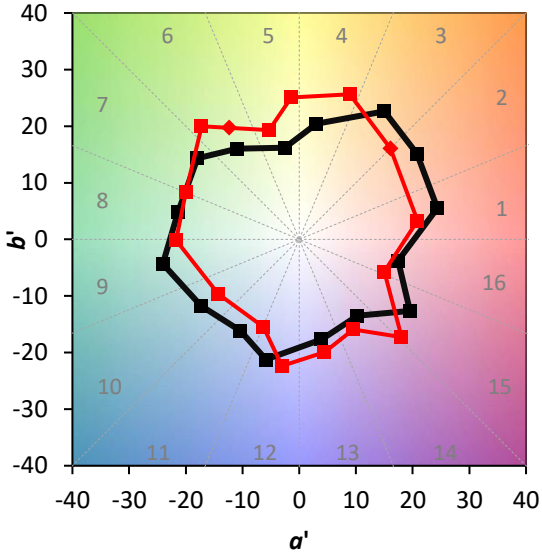
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

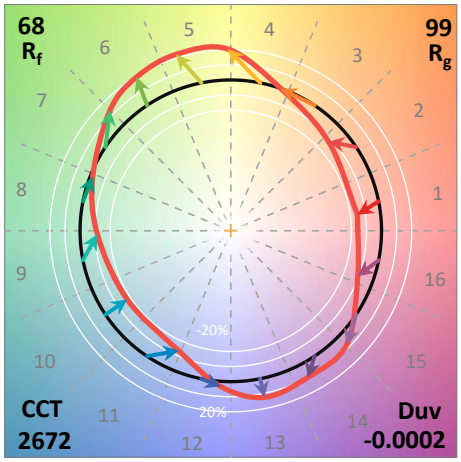
Spectral Power Distribution Comparison

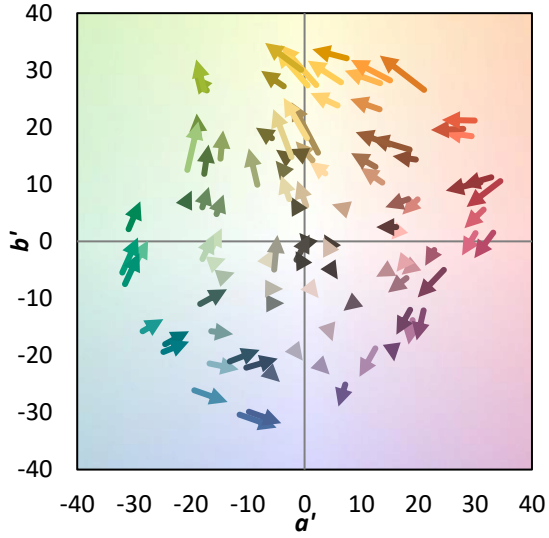


Color Vector Graphics







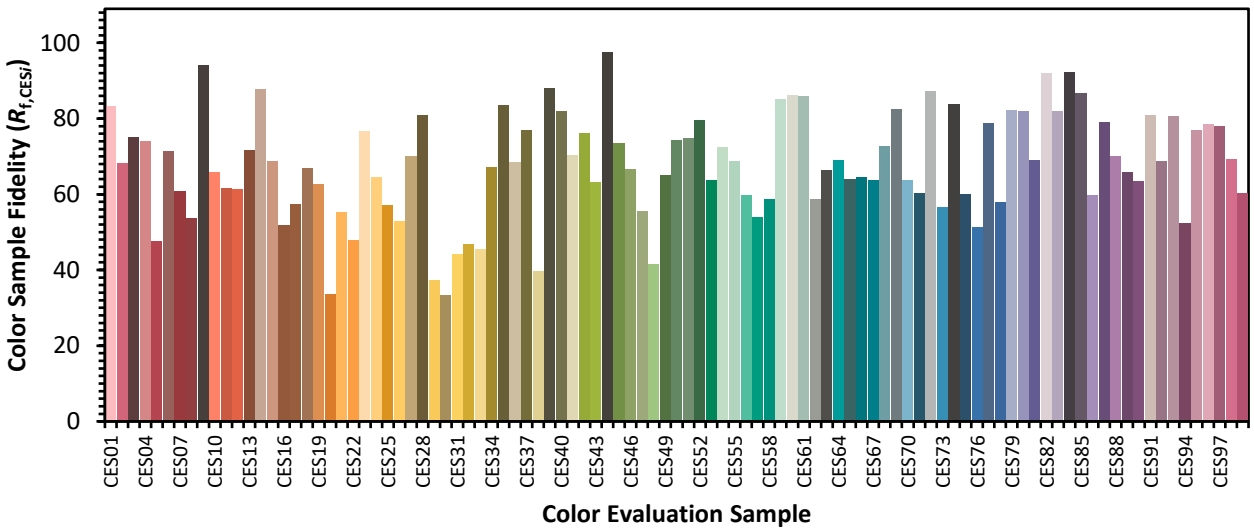


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Individual Sample Fidelity Index ($R_{f,i}$)

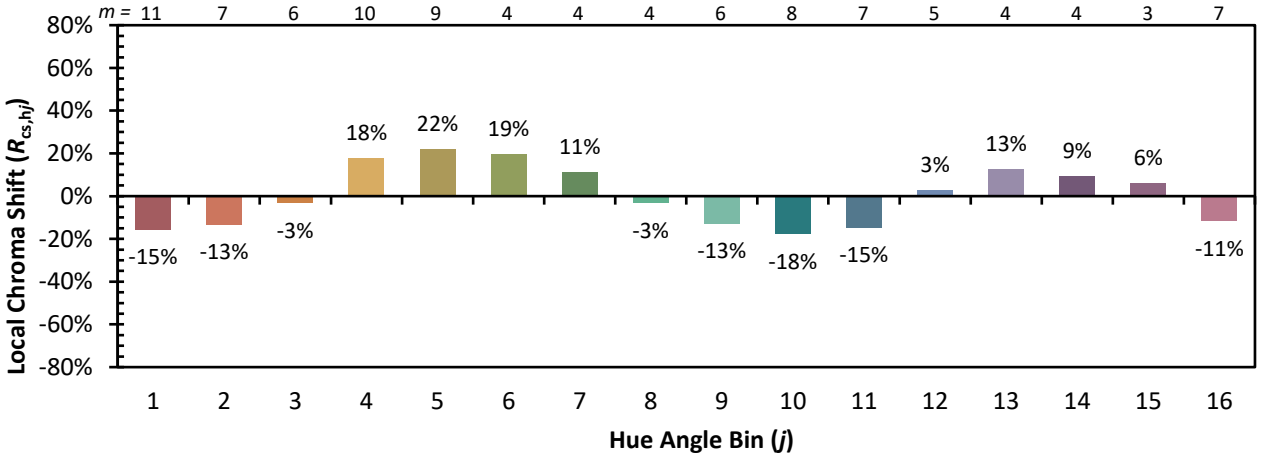
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

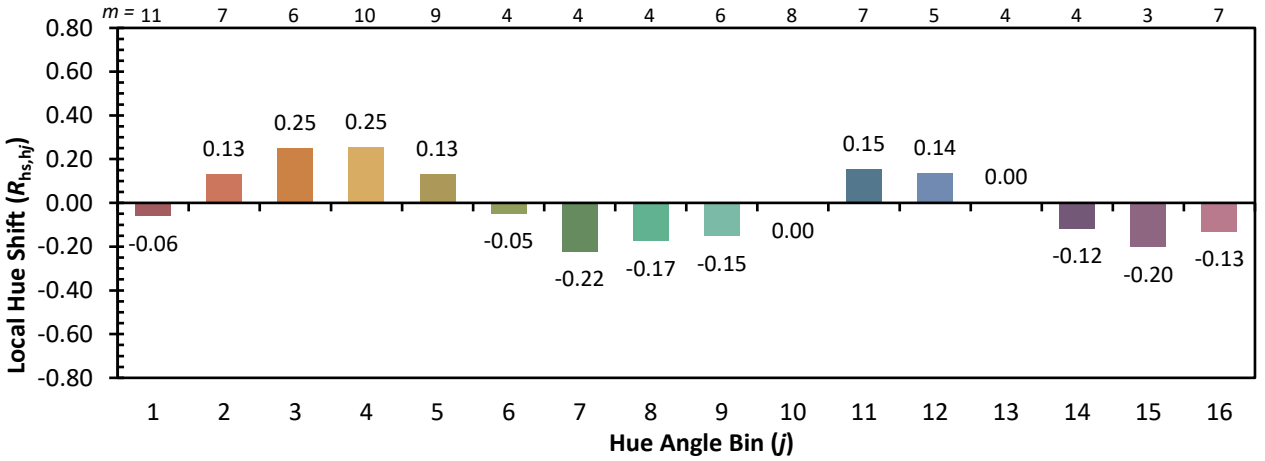


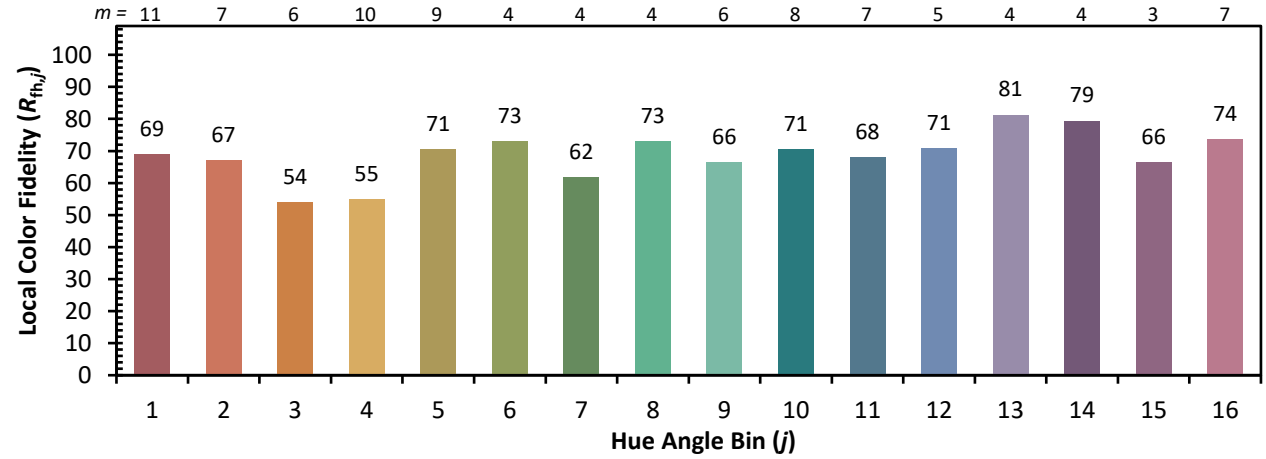
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Color Rendition by Hue-Angle Bin



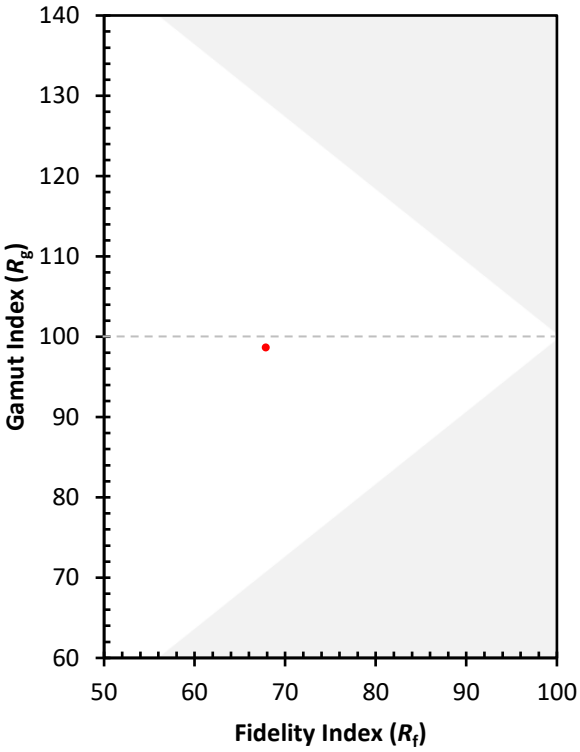


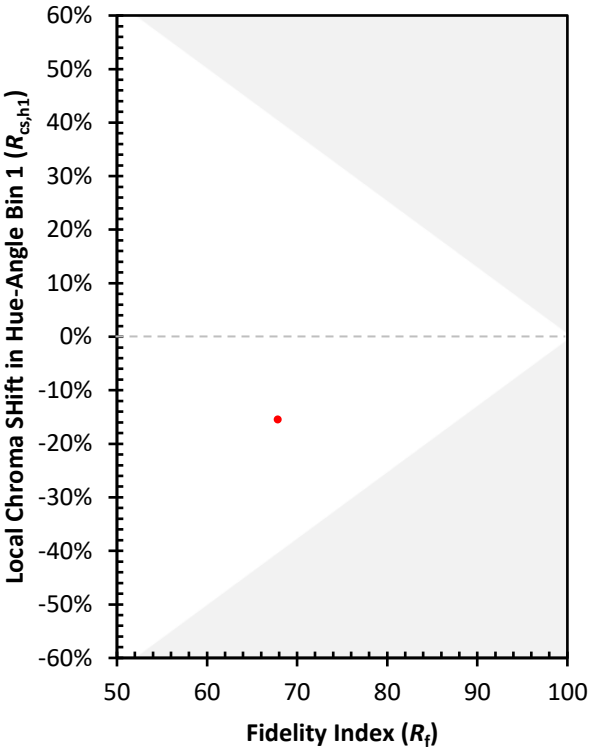


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Measure Comparisons





(END OF REPORT)