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: P1364561

Luminaire Tested: **GSS-SB3C-727-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:	P1364561
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-727-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14593.8 lumens
Efficiency:	N/A
Efficacy:	97.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

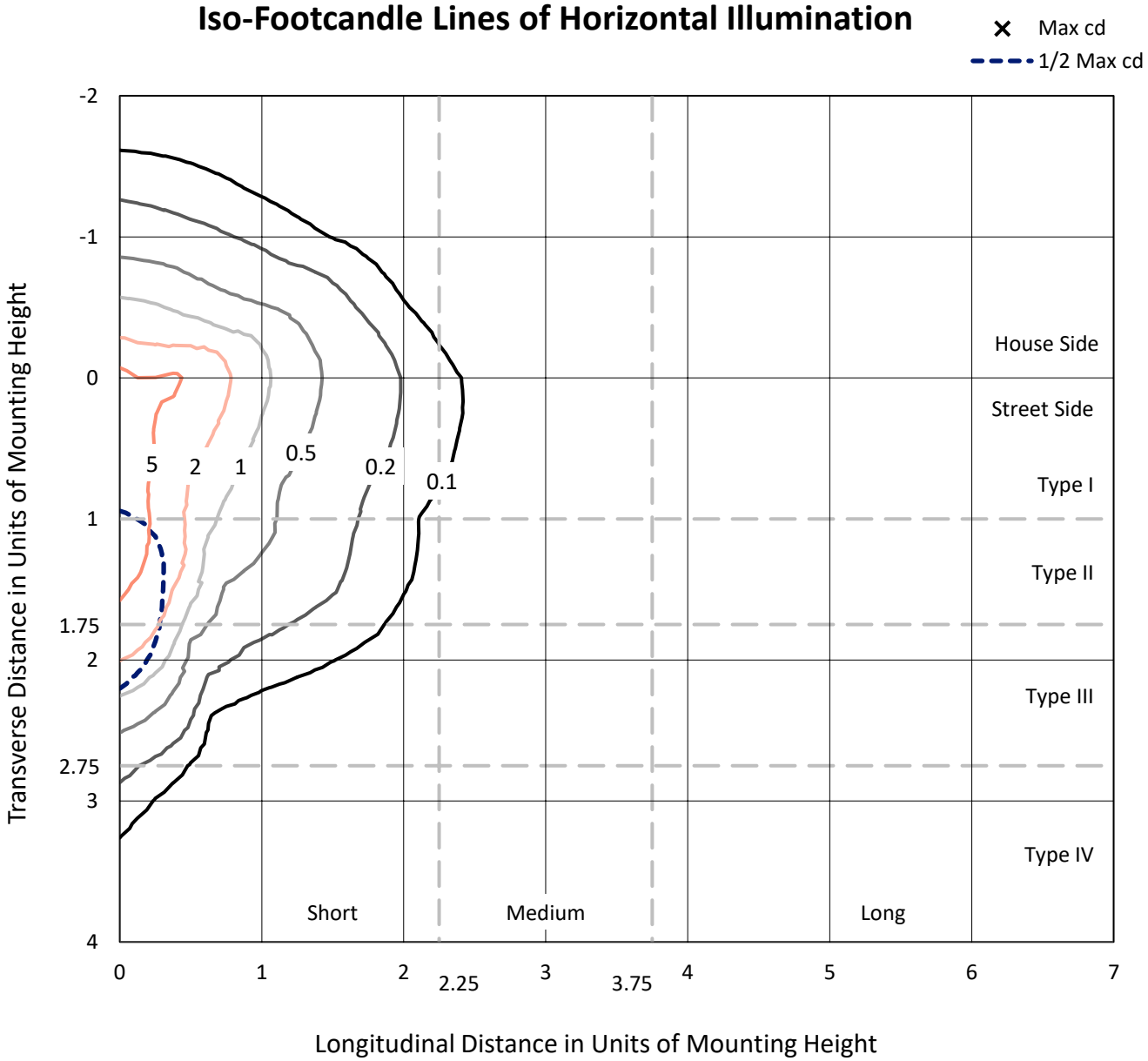
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



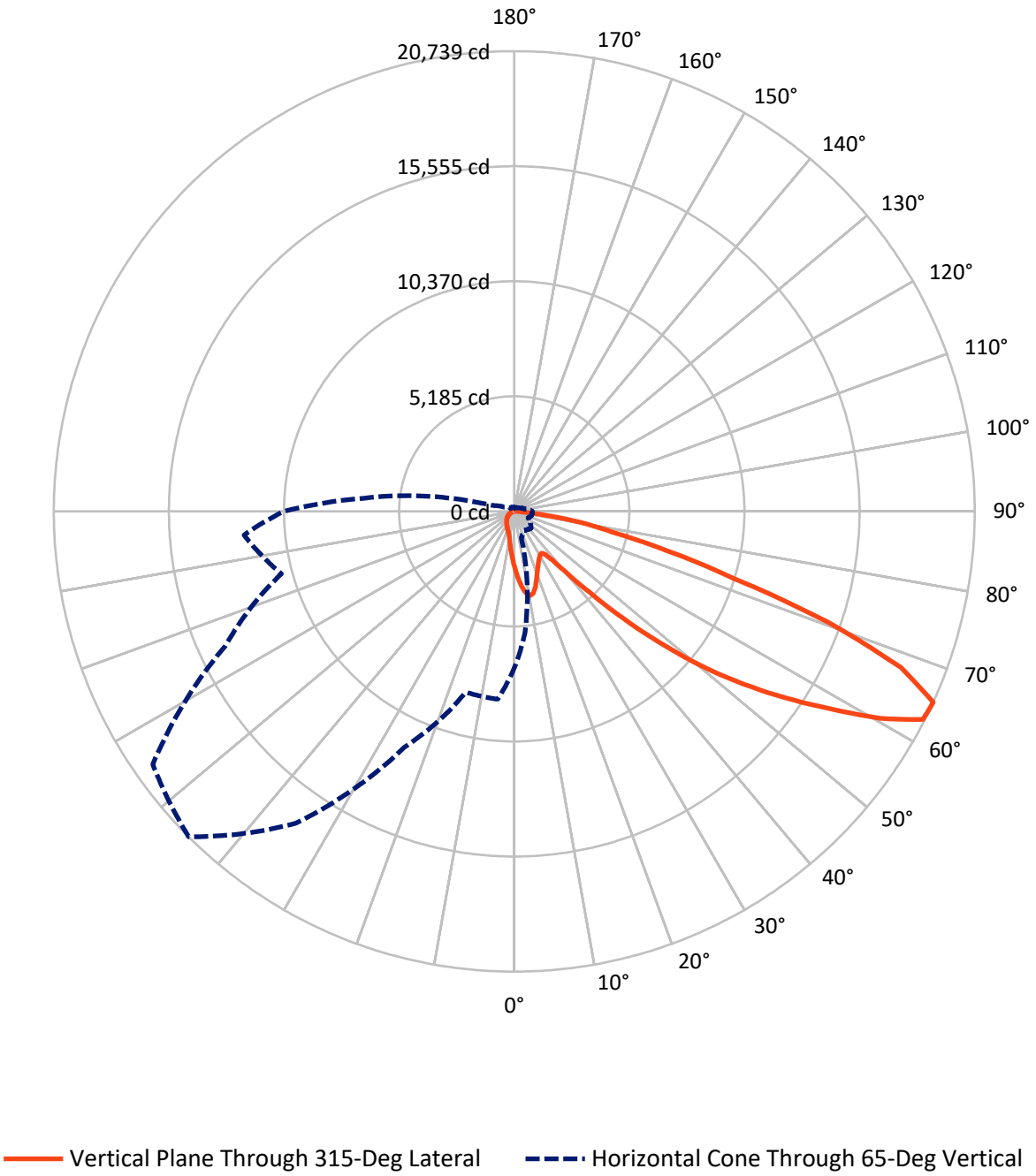
Based on 20 foot mounting height. Maximum calculated value = 8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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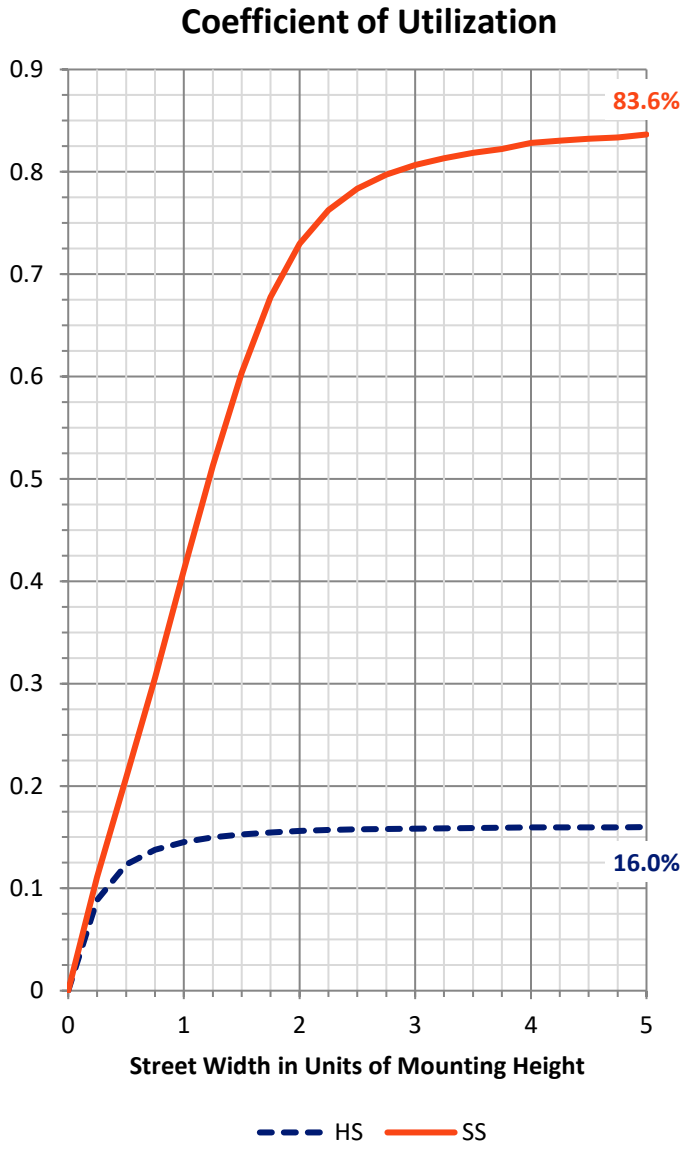
REPORT NUMBER: P1364561
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2359.2	0.0	2359.2
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	12234.6	0.0	12234.6
	% Fixture	83.8	0.0	83.8
Total	Lumens	14593.8	0.0	14593.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	1.7
10°-20°	670.6	4.6
20°-30°	960.4	6.6
30°-40°	1204.7	8.3
40°-50°	1978.9	13.6
50°-60°	3571.1	24.5
60°-70°	3963.2	27.2
70°-80°	1790.6	12.3
80°-90°	211.7	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°	14593.8	100.0
0°-180°	14593.8	100.0



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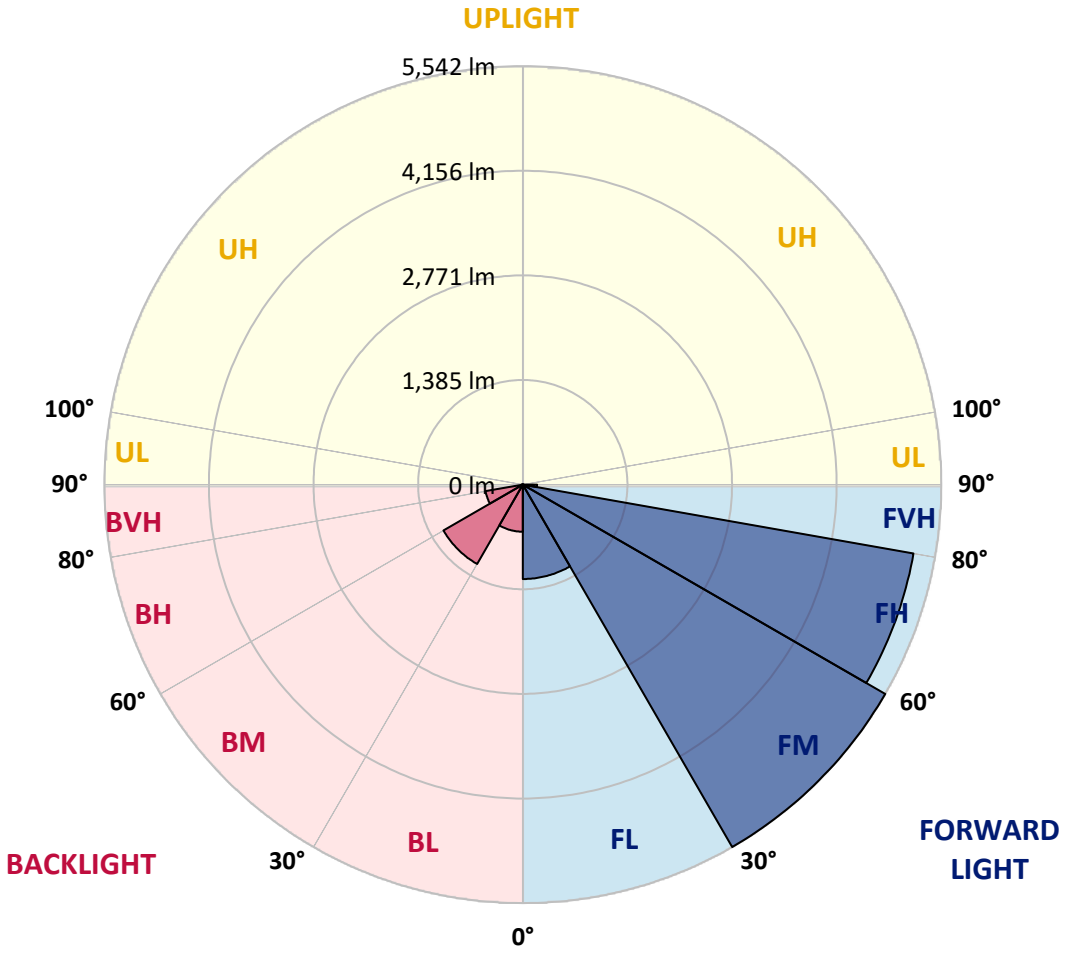
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1250.1	8.6			
FM	(30°-60°)	5541.7	38.0			
FH	(60°-80°)	5252.8	36.0			G3/7500
FVH	(80°-90°)	190.1	1.3			G2/225
BL	(0°-30°)	623.4	4.3	B2/1000		
BM	(30°-60°)	1213.1	8.3	B2/2500		
BH	(60°-80°)	501.0	3.4	B2/1000		G2/1000
BVH	(80°-90°)	21.7	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°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2845.6	2842.9	2832.2	2765.0	2697.7	2639.5	2581.2	2523.0	2442.3	2379.6	2325.8
5°	3114.5	3100.2	3042.8	2939.7	2827.7	2729.1	2617.1	2509.5	2388.5	2289.9	2186.9
7.5°	3298.2	3283.9	3226.5	3056.2	2885.9	2765.0	2644.0	2531.9	2397.5	2267.5	2119.6
10°	3383.4	3367.2	3302.7	3119.0	2921.8	2773.9	2652.9	2549.8	2437.8	2307.9	2124.1
12.5°	3441.6	3421.9	3343.0	3132.4	2930.8	2782.9	2657.4	2558.8	2478.1	2402.0	2222.7
15°	3477.5	3459.5	3387.8	3168.3	2935.2	2769.4	2621.6	2527.4	2500.6	2514.0	2428.9
17.5°	3531.3	3514.2	3446.1	3213.1	2962.1	2747.0	2545.4	2442.3	2500.6	2621.6	2648.4
20°	3603.0	3585.0	3513.3	3271.3	2984.5	2679.8	2402.0	2303.4	2451.3	2652.9	2791.8
22.5°	3683.6	3669.3	3611.9	3338.6	3006.9	2581.2	2213.8	2168.9	2348.2	2563.3	2742.5
25°	3782.2	3768.8	3715.0	3432.7	3029.3	2446.8	2052.4	2061.4	2213.8	2384.0	2567.8
27.5°	3916.6	3904.1	3853.9	3549.2	3056.2	2307.9	1922.5	1967.3	2079.3	2195.8	2307.9
30°	4064.5	4054.7	4015.2	3688.1	3110.0	2177.9	1846.3	1873.2	1949.4	2043.5	2110.7
32.5°	4266.2	4250.0	4185.5	3818.1	3105.5	2079.3	1810.4	1783.6	1806.0	1882.1	1949.4
35°	4517.1	4504.6	4454.4	3952.5	3024.9	1989.7	1792.5	1698.4	1685.0	1729.8	1797.0
37.5°	4884.6	4873.8	4830.8	4172.1	2899.4	1877.7	1747.7	1608.8	1564.0	1595.3	1640.1
40°	5435.8	5408.0	5296.9	4423.0	2760.5	1765.6	1667.0	1501.2	1438.5	1460.9	1510.2
42.5°	6184.2	6131.3	5919.8	4759.1	2572.3	1658.1	1546.0	1393.7	1326.5	1339.9	1384.7
45°	7143.2	7063.4	6744.3	5220.7	2375.1	1572.9	1420.6	1281.6	1209.9	1223.4	1272.7
47.5°	8263.5	8154.1	7716.8	5704.7	2164.5	1523.6	1322.0	1169.6	1115.8	1147.2	1196.5
50°	9585.5	9475.2	9034.3	6013.9	1994.2	1492.3	1245.8	1066.5	1044.1	1084.5	1124.8
52.5°	11028.4	10871.6	10244.2	5816.7	1855.3	1465.4	1218.9	994.8	1003.8	1035.2	1075.5
55°	12431.1	12082.4	10687.9	5162.4	1676.0	1434.0	1236.8	941.1	963.5	1003.8	1035.2
57.5°	13345.3	12739.4	10315.9	4158.6	1487.8	1398.2	1250.3	914.2	932.1	976.9	1012.8
60°	12547.6	11938.1	9500.3	3114.5	1326.5	1322.0	1227.9	905.2	878.3	941.1	972.4
62.5°	10280.1	9778.2	7770.5	1989.7	1174.1	1178.6	1178.6	900.7	788.7	869.4	896.3
65°	*7062.5*	*6748.8*	*5494.1*	*1232.4*	*959.0*	*1003.8*	*1071.0*	*873.9*	*694.6*	*788.7*	*815.6*
67.5°	4642.6	4412.3	3490.9	761.8	739.4	824.6	927.6	820.1	622.9	708.0	726.0
70°	2518.5	2343.7	1644.6	501.9	484.0	645.3	730.4	694.6	560.2	631.9	649.8
72.5°	1662.6	1519.2	945.6	354.0	354.0	506.4	510.9	569.1	501.9	560.2	578.1
75°	1250.3	1122.1	609.5	246.5	273.4	322.7	398.8	407.8	421.2	475.0	497.4
77.5°	573.6	503.7	224.1	147.9	201.7	224.1	304.7	259.9	313.7	354.0	363.0
80°	331.6	290.4	125.5	98.6	130.0	143.4	251.0	152.4	188.2	251.0	264.4
82.5°	138.9	123.7	62.7	67.2	80.7	85.1	138.9	107.6	121.0	165.8	161.3
85°	40.3	40.3	40.3	44.8	49.3	49.3	80.7	76.2	71.7	76.2	76.2
87.5°	26.9	26.9	26.9	26.9	31.4	31.4	35.9	40.3	44.8	44.8	44.8
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°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2303.4	2272.0	2231.7	2173.4	2164.5	2133.1	2110.7	2133.1	2155.5	2195.8	2200.3
5°	2133.1	2083.8	1989.7	1918.0	1837.3	1797.0	1792.5	1783.6	1810.4	1868.7	1904.5
7.5°	2039.0	1958.3	1788.0	1662.6	1550.5	1510.2	1478.8	1505.7	1501.2	1577.4	1608.8
10°	2016.6	1891.1	1653.6	1465.4	1326.5	1272.7	1241.3	1236.8	1245.8	1290.6	1322.0
12.5°	2097.2	1935.9	1599.8	1322.0	1160.7	1102.4	1066.5	1035.2	1035.2	1044.1	1084.5
15°	2276.5	2083.8	1631.2	1254.8	1080.0	1003.8	945.6	905.2	873.9	878.3	882.8
17.5°	2527.4	2298.9	1711.8	1232.4	1030.7	950.0	878.3	838.0	802.1	793.2	793.2
20°	2724.6	2505.0	1774.6	1214.4	990.4	887.3	824.6	788.7	757.3	743.9	743.9
22.5°	2747.0	2590.2	1828.4	1192.0	941.1	824.6	766.3	734.9	712.5	708.0	708.0
25°	2599.1	2523.0	1810.4	1165.1	891.8	766.3	721.5	694.6	672.2	667.7	672.2
27.5°	2352.7	2312.3	1747.7	1129.3	851.4	721.5	681.2	658.7	636.3	631.9	636.3
30°	2133.1	2088.3	1640.1	1071.0	820.1	685.6	640.8	618.4	596.0	596.0	600.5
32.5°	1953.8	1909.0	1532.6	1003.8	779.7	645.3	605.0	582.6	560.2	560.2	569.1
35°	1792.5	1756.7	1447.5	936.6	739.4	609.5	564.6	546.7	528.8	524.3	533.3
37.5°	1653.6	1635.7	1371.3	864.9	699.1	573.6	533.3	515.3	492.9	488.5	497.4
40°	1519.2	1510.2	1286.1	802.1	649.8	537.8	497.4	479.5	452.6	452.6	461.6
42.5°	1393.7	1389.2	1209.9	761.8	605.0	501.9	457.1	439.2	416.8	416.8	425.7
45°	1295.1	1290.6	1138.2	739.4	560.2	461.6	421.2	398.8	380.9	385.4	394.4
47.5°	1205.5	1196.5	1062.1	743.9	537.8	434.7	380.9	358.5	345.1	354.0	367.5
50°	1133.8	1124.8	1008.3	748.4	501.9	398.8	349.5	327.1	318.2	331.6	345.1
52.5°	1089.0	1080.0	954.5	721.5	457.1	371.9	318.2	304.7	304.7	318.2	327.1
55°	1044.1	1035.2	864.9	663.2	407.8	345.1	295.8	286.8	286.8	300.2	309.2
57.5°	1017.3	999.3	770.8	596.0	367.5	313.7	273.4	273.4	273.4	277.8	282.3
60°	976.9	932.1	672.2	510.9	336.1	282.3	255.4	251.0	251.0	246.5	251.0
62.5°	891.8	815.6	564.6	434.7	300.2	255.4	233.0	228.5	215.1	201.7	206.1
65°	*806.6*	*690.1*	*448.1*	*363.0*	*259.9*	*219.6*	*206.1*	*201.7*	*179.3*	*161.3*	*165.8*
67.5°	699.1	551.2	336.1	304.7	224.1	188.2	174.8	174.8	161.3	147.9	147.9
70°	622.9	430.2	282.3	228.5	179.3	147.9	147.9	156.8	143.4	125.5	125.5
72.5°	551.2	349.5	228.5	183.7	138.9	116.5	125.5	130.0	116.5	103.1	103.1
75°	470.5	273.4	179.3	143.4	103.1	89.6	94.1	103.1	94.1	80.7	85.1
77.5°	340.6	188.2	121.0	94.1	76.2	67.2	71.7	71.7	67.2	62.7	62.7
80°	237.5	125.5	80.7	62.7	53.8	49.3	49.3	44.8	44.8	49.3	49.3
82.5°	143.4	89.6	58.3	49.3	40.3	31.4	31.4	35.9	35.9	40.3	40.3
85°	62.7	53.8	40.3	35.9	26.9	22.4	26.9	26.9	31.4	35.9	35.9
87.5°	40.3	40.3	31.4	26.9	22.4	17.9	17.9	22.4	22.4	26.9	31.4
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°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2218.2	2263.0	2316.8	2393.0	2460.2	2540.9	2621.6	2697.7	2769.4	2778.4	2809.8
5°	1931.4	2016.6	2124.1	2249.6	2402.0	2563.3	2720.1	2885.9	3020.4	3069.7	3141.4
7.5°	1635.7	1743.2	1900.1	2092.8	2307.9	2549.8	2791.8	3024.9	3226.5	3320.6	3414.7
10°	1353.3	1456.4	1649.1	1882.1	2160.0	2487.1	2809.8	3123.5	3369.9	3477.5	3567.1
12.5°	1097.9	1201.0	1357.8	1626.7	1962.8	2357.2	2782.9	3159.3	3432.7	3544.7	3629.8
15°	896.3	981.4	1129.3	1380.2	1734.3	2177.9	2688.8	3132.4	3446.1	3553.7	3616.4
17.5°	788.7	811.1	905.2	1133.8	1519.2	2016.6	2567.8	3096.6	3455.1	3553.7	3589.5
20°	743.9	743.9	761.8	882.8	1259.2	1846.3	2478.1	3074.2	3468.5	3567.1	3562.6
22.5°	703.6	712.5	712.5	739.4	959.0	1608.8	2384.0	3065.2	3508.8	3585.0	3522.3
25°	667.7	681.2	681.2	690.1	752.9	1326.5	2267.5	3083.1	3580.5	3620.9	3495.4
27.5°	636.3	649.8	649.8	658.7	672.2	985.9	2074.8	3087.6	3661.2	3665.7	3459.5
30°	605.0	618.4	627.4	627.4	636.3	726.0	1832.8	3060.7	3750.8	3723.9	3455.1
32.5°	569.1	587.0	591.5	600.5	605.0	631.9	1519.2	3015.9	3862.9	3804.6	3459.5
35°	537.8	560.2	564.6	564.6	573.6	600.5	1214.4	2966.6	4015.2	3912.2	3477.5
37.5°	506.4	524.3	528.8	533.3	542.2	569.1	963.5	2894.9	4145.2	4046.6	3567.1
40°	470.5	492.9	497.4	501.9	510.9	537.8	829.0	2805.3	4342.4	4270.7	3701.5
42.5°	434.7	457.1	466.1	470.5	475.0	510.9	757.3	2742.5	4660.5	4584.4	3974.9
45°	403.3	425.7	434.7	434.7	443.6	492.9	694.6	2881.5	5099.7	5063.8	4342.4
47.5°	376.4	398.8	403.3	403.3	407.8	466.1	640.8	3253.4	5771.9	5677.8	4916.0
50°	354.0	371.9	380.9	371.9	376.4	443.6	672.2	3867.3	6632.3	6663.7	5758.4
52.5°	336.1	354.0	358.5	340.6	340.6	412.3	712.5	4369.3	7730.2	8017.0	7093.9
55°	313.7	331.6	336.1	313.7	313.7	363.0	618.4	4400.6	8980.5	9903.6	8832.6
57.5°	291.3	309.2	309.2	291.3	286.8	313.7	501.9	3903.2	9948.4	12041.2	11212.2
60°	264.4	282.3	277.8	268.9	259.9	286.8	461.6	2975.6	9818.5	13434.9	13941.3
62.5°	215.1	242.0	251.0	246.5	228.5	259.9	430.2	1940.4	8496.5	12224.9	13856.1
65°	*179.3*	*201.7*	*215.1*	*215.1*	*201.7*	*286.8*	*376.4*	*1021.7*	*6802.6*	*10374.2*	*12216.0*
67.5°	156.8	179.3	188.2	183.7	174.8	255.4	237.5	492.9	5216.2	8940.2	10934.3
70°	138.9	156.8	165.8	152.4	143.4	206.1	170.3	291.3	3490.9	7461.3	9737.8
72.5°	112.0	130.0	138.9	125.5	112.0	152.4	130.0	192.7	2272.0	6358.9	8653.4
75°	89.6	107.6	112.0	103.1	89.6	112.0	103.1	134.4	1483.3	5261.0	7358.3
77.5°	67.2	76.2	85.1	80.7	67.2	80.7	71.7	94.1	847.0	3692.6	5162.4
80°	53.8	58.3	58.3	58.3	53.8	49.3	49.3	62.7	380.9	1819.4	2693.3
82.5°	44.8	49.3	49.3	44.8	40.3	35.9	31.4	35.9	112.0	815.6	1241.3
85°	40.3	44.8	35.9	31.4	26.9	22.4	13.4	13.4	31.4	130.0	242.0
87.5°	31.4	26.9	22.4	17.9	9.0	4.5	4.5	0.0	4.5	4.5	4.5
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: P1364561
CATALOG NUMBER: GSS-SB3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2859.1	2903.9	2935.2	2962.1	2953.2	2930.8	2885.9	2854.6	2847.4	2845.6
5°	3235.5	3307.2	3369.9	3361.0	3369.9	3302.7	3235.5	3154.8	3122.6	3114.5
7.5°	3549.2	3638.8	3715.0	3706.0	3679.1	3603.0	3490.9	3369.9	3312.6	3298.2
10°	3719.5	3822.5	3885.3	3862.9	3818.1	3719.5	3607.4	3464.0	3399.5	3383.4
12.5°	3750.8	3818.1	3804.6	3795.6	3786.7	3737.4	3652.2	3522.3	3457.8	3441.6
15°	3670.2	3643.3	3567.1	3549.2	3616.4	3679.1	3661.2	3553.7	3492.7	3477.5
17.5°	3535.7	3396.8	3257.9	3240.0	3352.0	3526.8	3665.7	3603.0	3545.6	3531.3
20°	3387.8	3127.9	2975.6	2944.2	3083.1	3343.0	3616.4	3652.2	3612.8	3603.0
22.5°	3213.1	2908.4	2747.0	2729.1	2832.2	3136.9	3544.7	3706.0	3688.1	3683.6
25°	3060.7	2715.7	2563.3	2536.4	2670.8	2966.6	3473.0	3795.6	3784.9	3782.2
27.5°	2935.2	2576.7	2415.4	2397.5	2527.4	2823.2	3383.4	3871.8	3907.7	3916.6
30°	2836.7	2473.7	2312.3	2289.9	2433.3	2724.6	3320.6	3979.4	4047.5	4064.5
32.5°	2760.5	2415.4	2263.0	2249.6	2402.0	2684.3	3284.8	4091.4	4231.2	4266.2
35°	2733.6	2433.3	2330.3	2361.6	2478.1	2724.6	3311.7	4275.1	4468.7	4517.1
37.5°	2791.8	2630.5	2702.2	2782.9	2827.7	2917.3	3437.1	4570.9	4821.9	4884.6
40°	2980.1	3159.3	3495.4	3652.2	3634.3	3428.2	3723.9	4987.7	5346.2	5435.8
42.5°	3459.5	4042.1	4754.6	5019.0	4866.7	4243.8	4181.0	5673.3	6082.0	6184.2
45°	4172.1	5108.7	6278.3	6874.3	6350.0	5279.0	4902.5	6650.2	7044.6	7143.2
47.5°	4884.6	6300.7	8160.4	8868.5	7837.8	6305.2	5848.1	7819.8	8174.8	8263.5
50°	5610.6	7618.2	10038.1	10983.6	9321.1	7349.3	6851.9	9262.8	9520.9	9585.5
52.5°	6358.9	8796.8	12108.4	12924.0	10871.6	8155.9	7999.1	10835.7	10989.9	11028.4
55°	7192.5	9912.6	14183.3	14842.0	12283.2	8859.5	9343.5	12480.4	12440.9	12431.1
57.5°	8303.8	11086.7	15854.8	16773.4	13564.8	9809.5	11140.5	14308.7	13538.0	13345.3
60°	10244.2	12910.6	17934.1	18933.4	15281.2	11198.7	12462.4	14268.4	12891.8	12547.6
62.5°	12493.8	14667.2	19816.2	20658.7	17087.1	12579.0	11409.3	11982.9	10620.6	10280.1
65°	10853.7	14358.0	19874.5	20739.4	17154.3	11736.5	8433.8	8496.5	7349.3	7062.5
67.5°	9235.9	12726.8	18099.9	18781.1	15303.6	9702.0	5592.6	5543.3	4822.8	4642.6
70°	8223.2	11149.4	15599.3	15012.3	12865.8	8200.7	3715.0	3078.6	2630.5	2518.5
72.5°	7389.6	8846.1	12641.7	10347.3	10674.4	6672.6	2361.6	2097.2	1749.5	1662.6
75°	6690.6	7317.9	7887.1	7152.1	7582.3	5498.5	2003.1	1617.7	1323.8	1250.3
77.5°	5323.8	5695.7	4669.5	4535.1	5310.3	3912.2	994.8	681.2	595.1	573.6
80°	3168.3	2693.3	2648.4	3020.4	3535.7	2030.0	609.5	376.4	340.6	331.6
82.5°	1918.0	972.4	1057.6	1335.4	1882.1	923.1	363.0	161.3	143.4	138.9
85°	322.7	264.4	407.8	389.9	367.5	197.2	98.6	44.8	41.2	40.3
87.5°	9.0	13.4	17.9	22.4	22.4	22.4	22.4	22.4	26.0	26.9
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

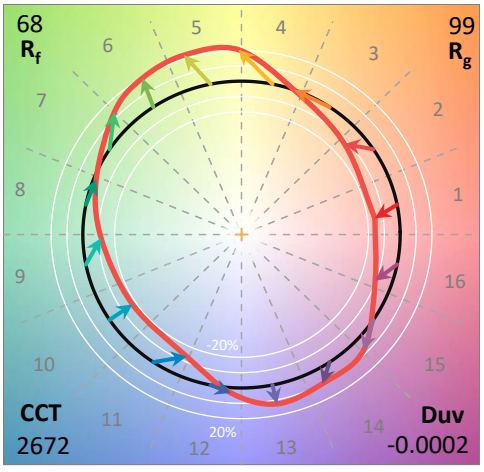
Test Information

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

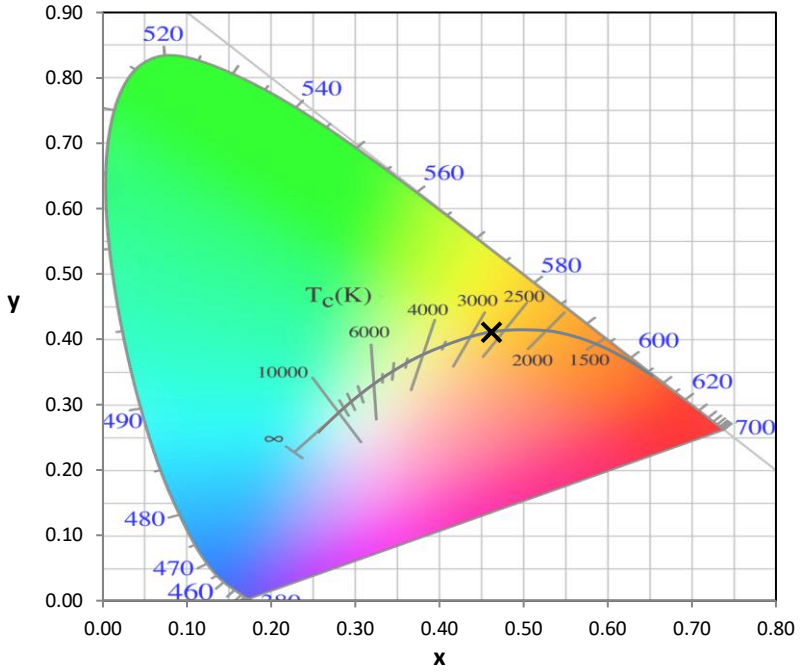
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

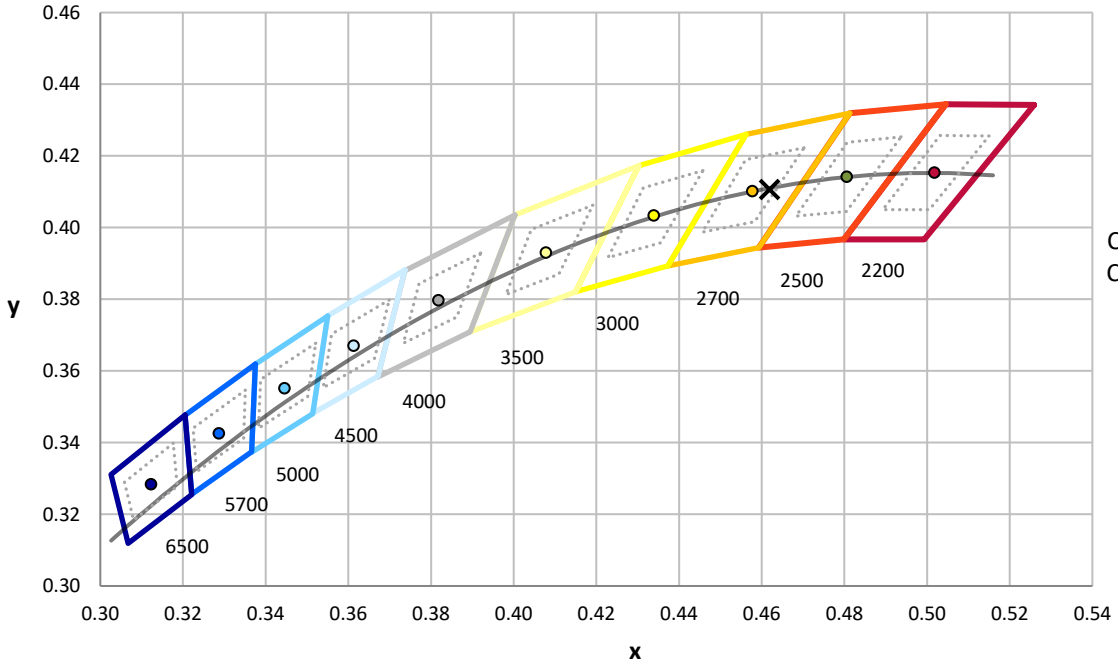
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

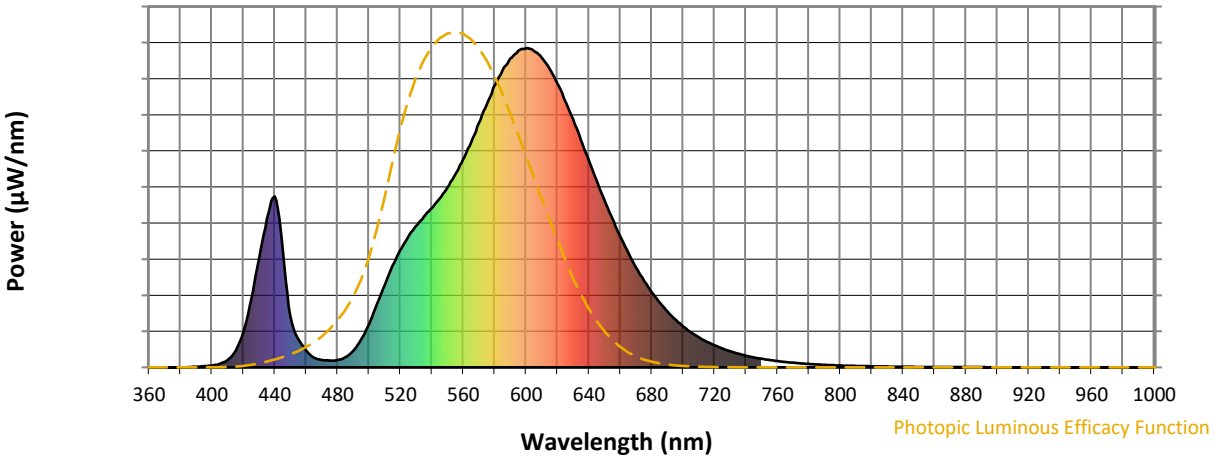


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

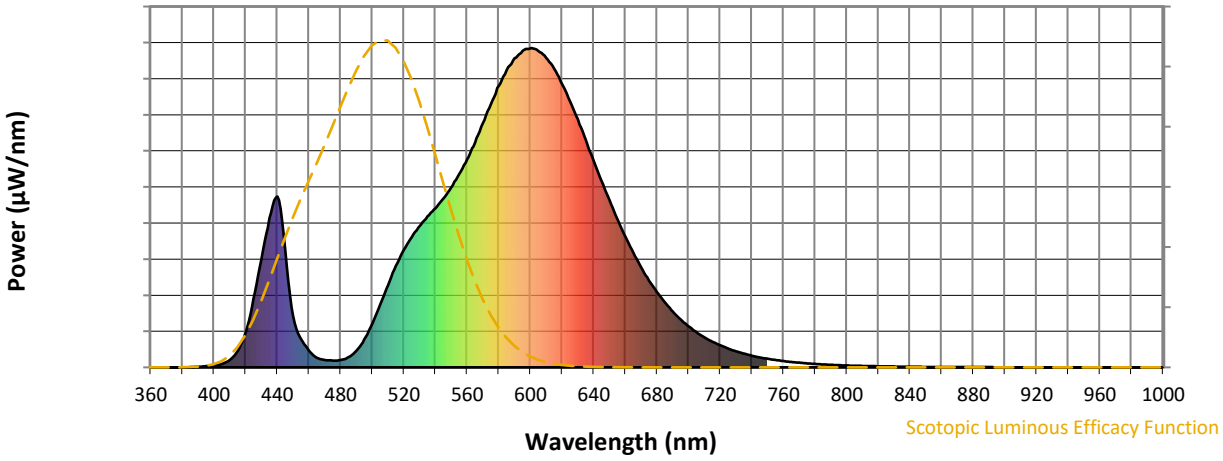


Photopic Lumens: NR

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

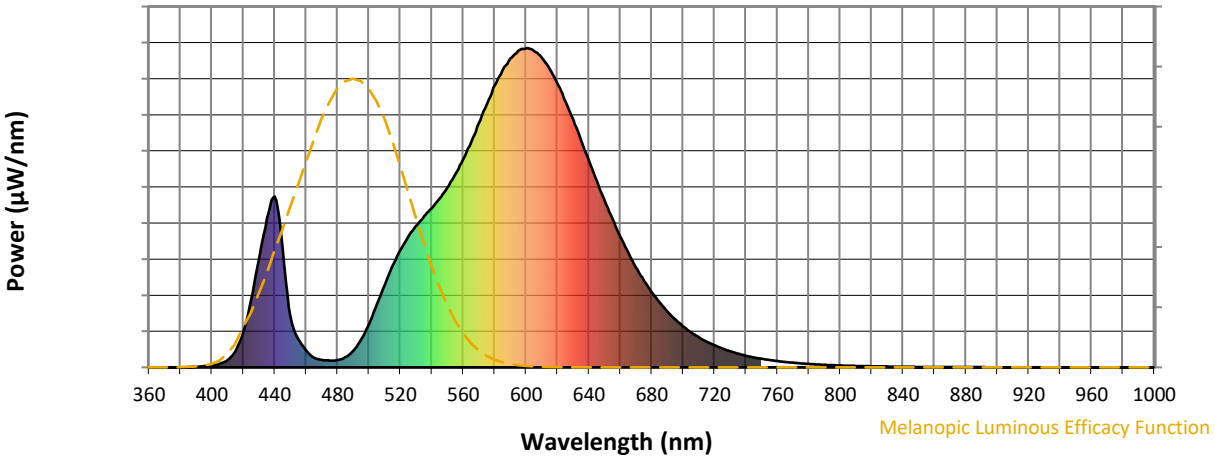


Scotopic Lumens: NR **S/P: 1.02**

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			

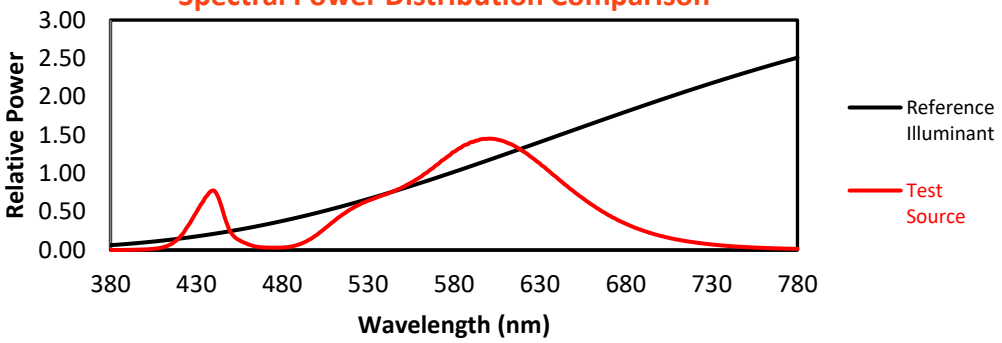
REPORT NUMBER: SP1-2407-184-3

TM-30-18

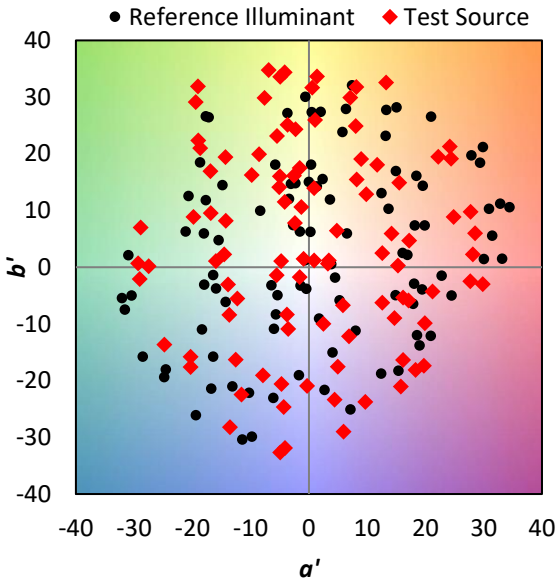
Summary

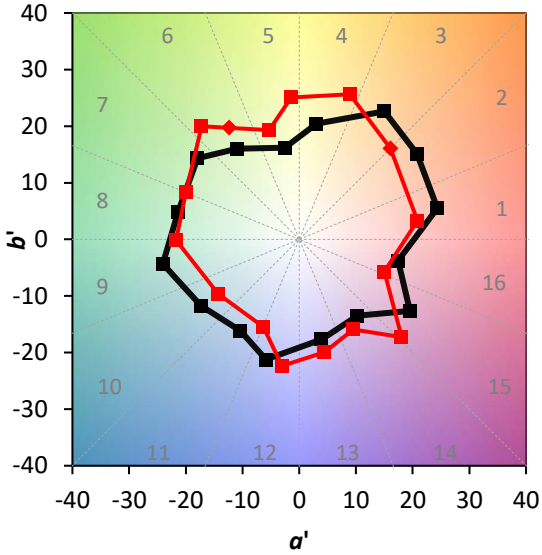
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

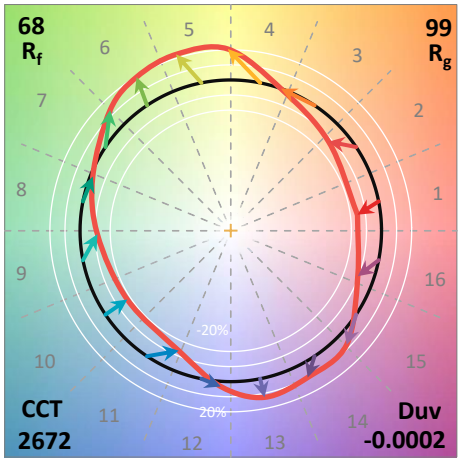
Spectral Power Distribution Comparison

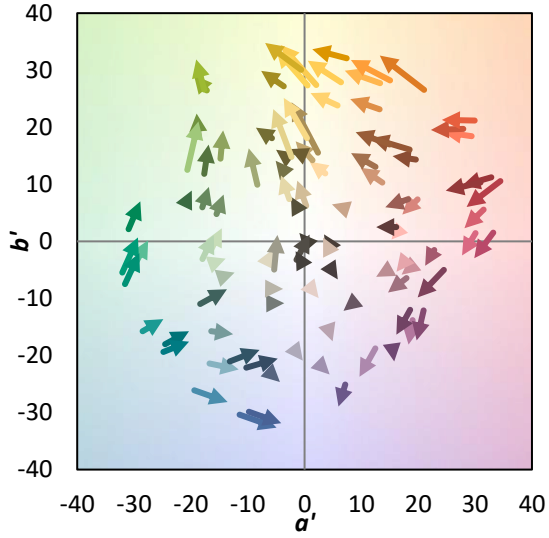


Color Vector Graphics







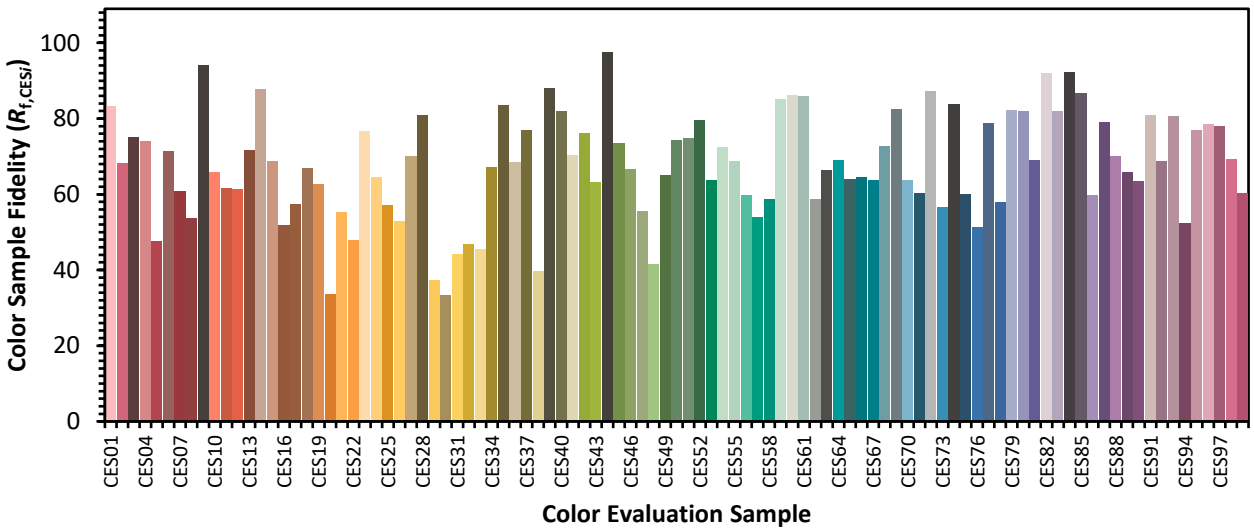


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Individual Sample Fidelity Index ($R_{f,i}$)

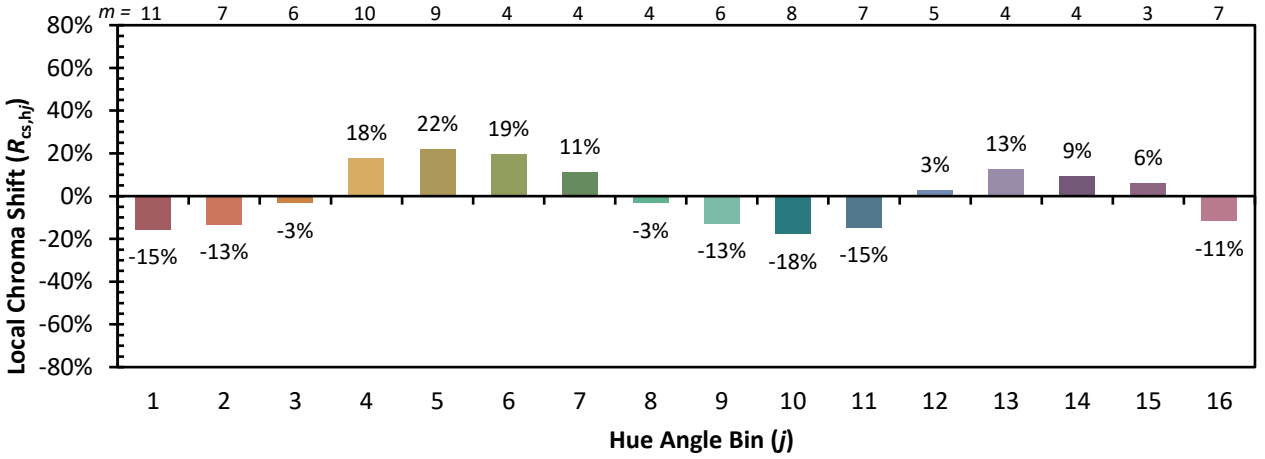
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 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	

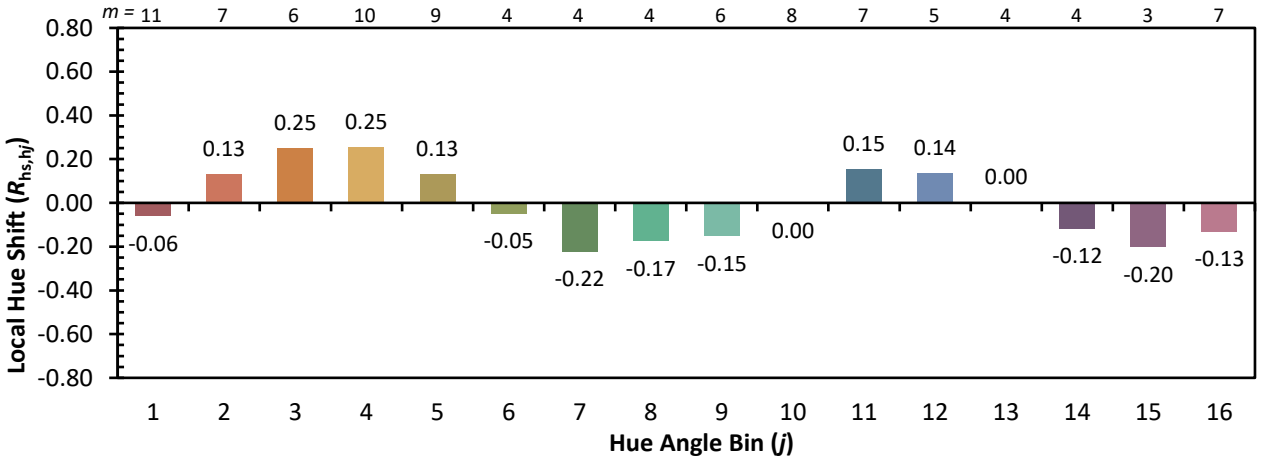


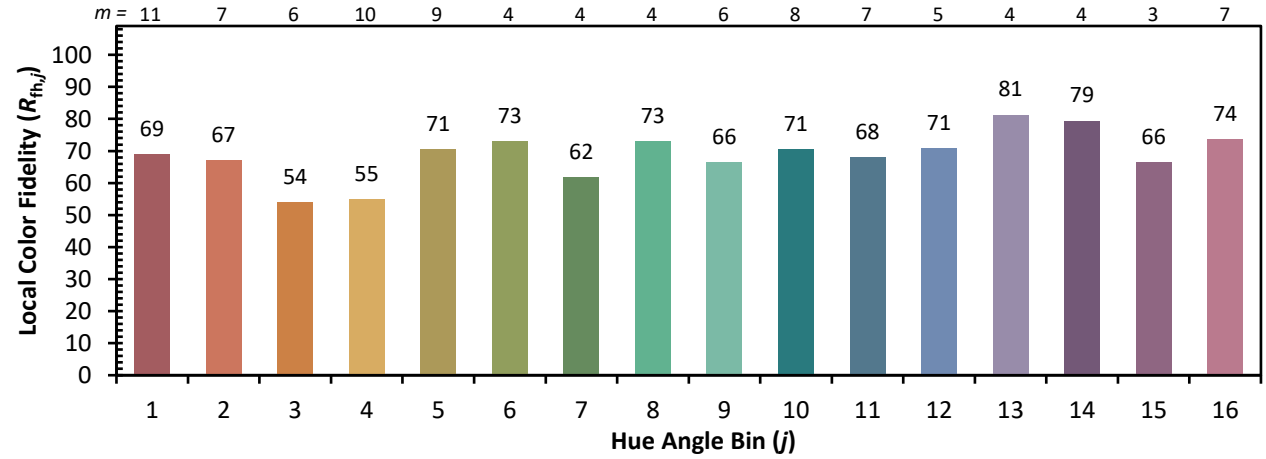
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Color Rendition by Hue-Angle Bin



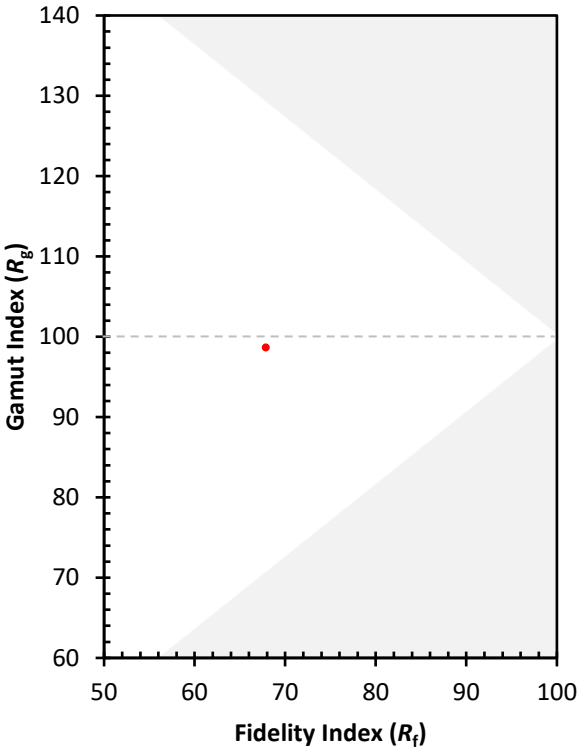


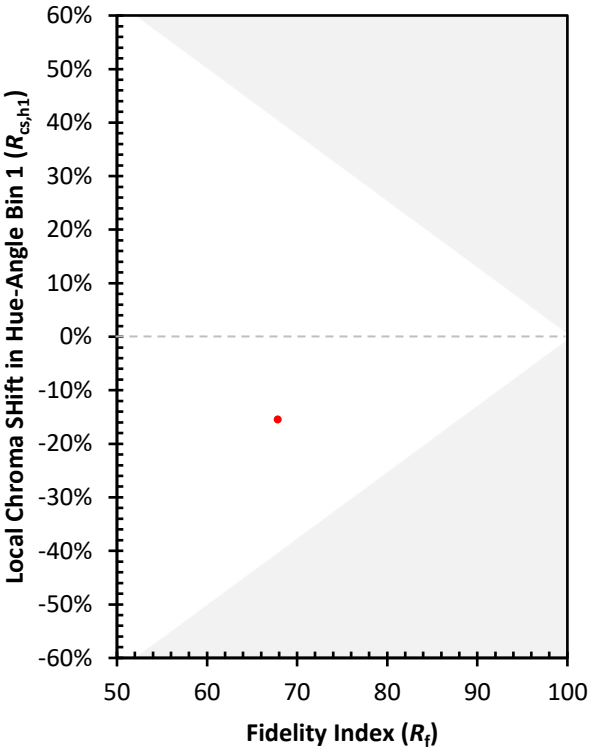


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Measure Comparisons





(END OF REPORT)