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: P1364543

Luminaire Tested: **GSS-SB5A-722-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:	P1364543
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13586.2 lumens
Efficiency:	N/A
Efficacy:	95.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

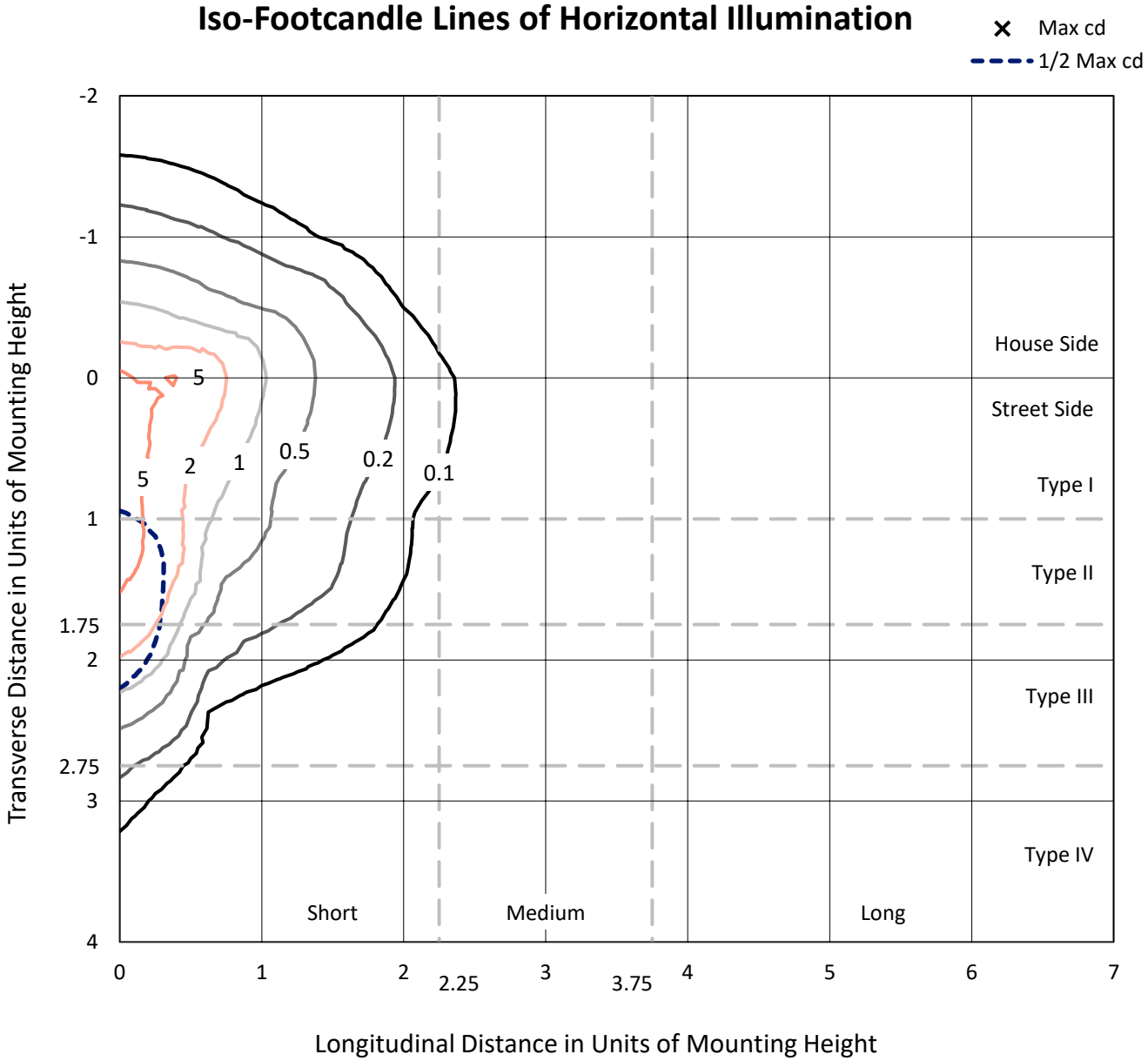
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



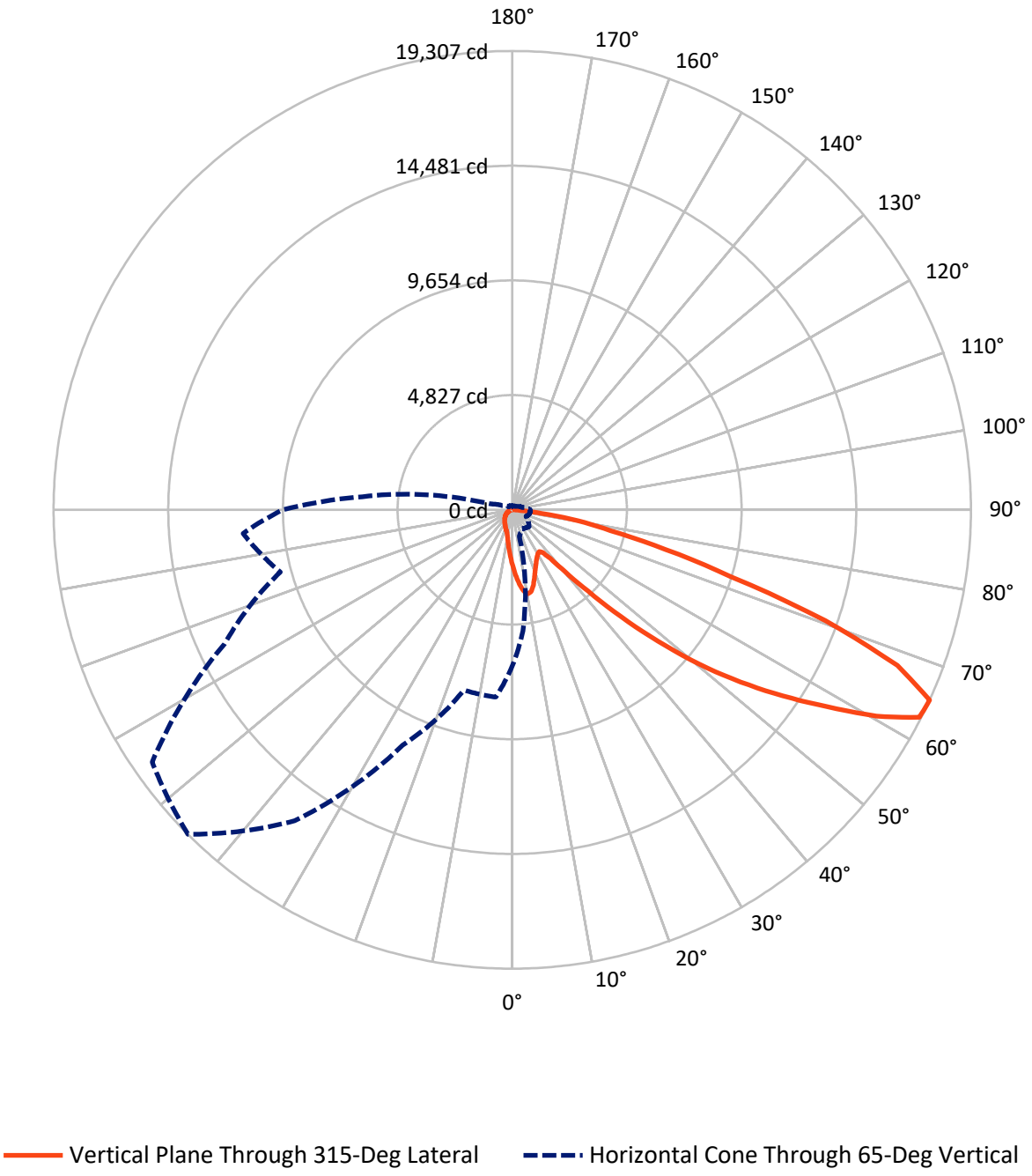
Based on 20 foot mounting height. Maximum calculated value = 7.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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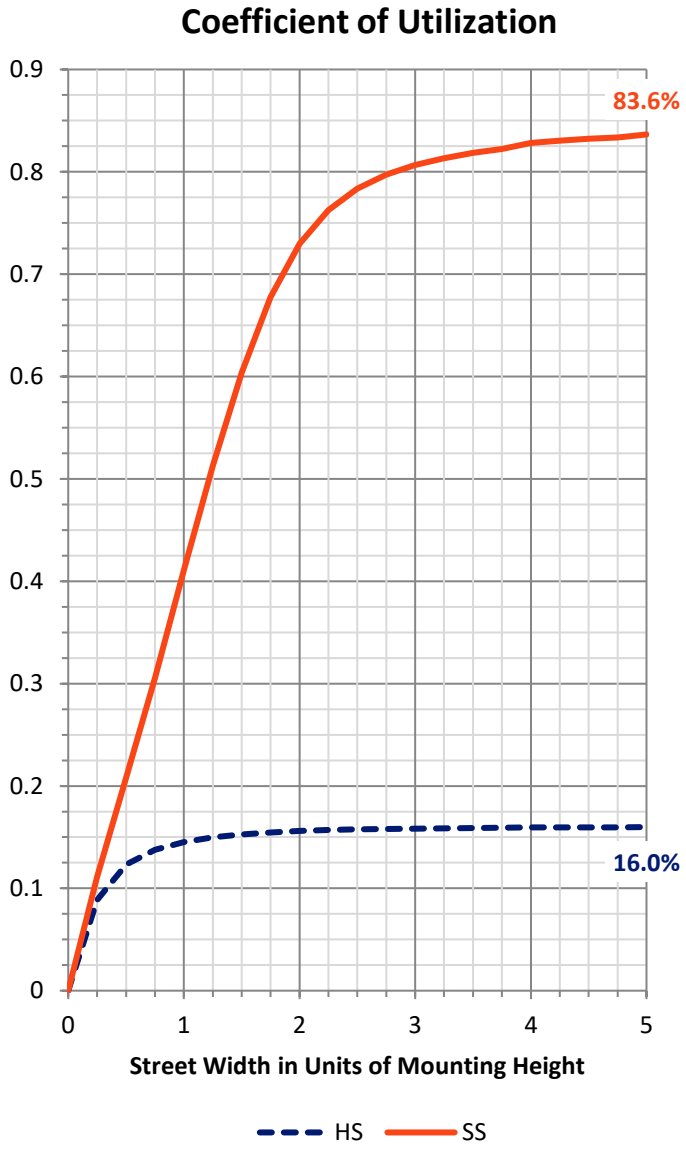
REPORT NUMBER: P1364543
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2196.3	0.0	2196.3
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	11389.9	0.0	11389.9
	% Fixture	83.8	0.0	83.8
Total	Lumens	13586.2	0.0	13586.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.7	1.7
10°-20°	624.3	4.6
20°-30°	894.1	6.6
30°-40°	1121.5	8.3
40°-50°	1842.3	13.6
50°-60°	3324.6	24.5
60°-70°	3689.6	27.2
70°-80°	1667.0	12.3
80°-90°	197.1	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°	13586.2	100.0
0°-180°	13586.2	100.0



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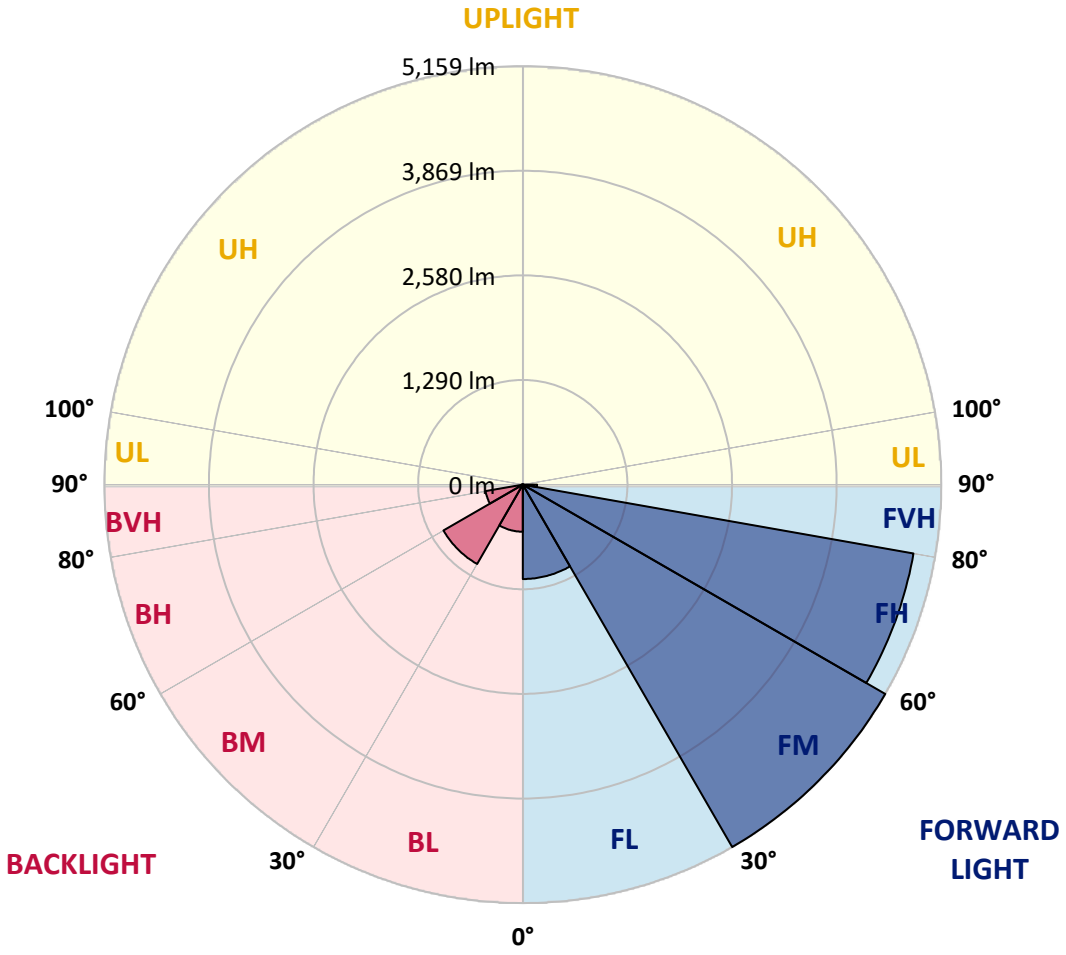
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1163.8	8.6			
FM	(30°-60°)	5159.0	38.0			
FH	(60°-80°)	4890.1	36.0			G2/5000
FVH	(80°-90°)	176.9	1.3			G2/225
BL	(0°-30°)	580.4	4.3	B2/1000		
BM	(30°-60°)	1129.3	8.3	B2/2500		
BH	(60°-80°)	466.4	3.4	B1/500		G1/500
BVH	(80°-90°)	20.2	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8
2.5°	2649.1	2646.6	2636.6	2574.0	2511.5	2457.2	2403.0	2348.8	2273.7	2215.3	2165.2
5°	2899.5	2886.1	2832.7	2736.7	2632.5	2540.7	2436.4	2336.2	2223.6	2131.8	2035.9
7.5°	3070.5	3057.1	3003.7	2845.2	2686.7	2574.0	2461.4	2357.1	2232.0	2111.0	1973.3
10°	3149.8	3134.7	3074.7	2903.6	2720.1	2582.4	2469.7	2373.8	2269.5	2148.5	1977.5
12.5°	3204.0	3185.6	3112.2	2916.1	2728.4	2590.7	2473.9	2382.1	2307.0	2236.1	2069.2
15°	3237.4	3220.7	3153.9	2949.5	2732.6	2578.2	2440.5	2352.9	2327.9	2340.4	2261.2
17.5°	3287.4	3271.6	3208.2	2991.2	2757.6	2557.4	2369.6	2273.7	2327.9	2440.5	2465.6
20°	3354.2	3337.5	3270.7	3045.5	2778.5	2494.8	2236.1	2144.3	2282.0	2469.7	2599.1
22.5°	3429.3	3415.9	3362.5	3108.0	2799.3	2403.0	2060.9	2019.2	2186.1	2386.3	2553.2
25°	3521.1	3508.5	3458.5	3195.7	2820.2	2277.8	1910.7	1919.1	2060.9	2219.4	2390.5
27.5°	3646.2	3634.5	3587.8	3304.1	2845.2	2148.5	1789.7	1831.5	1935.7	2044.2	2148.5
30°	3783.9	3774.7	3738.0	3433.5	2895.3	2027.5	1718.8	1743.8	1814.8	1902.4	1965.0
32.5°	3971.6	3956.6	3896.5	3554.4	2891.1	1935.7	1685.4	1660.4	1681.3	1752.2	1814.8
35°	4205.2	4193.6	4146.8	3679.6	2816.0	1852.3	1668.7	1581.1	1568.6	1610.3	1672.9
37.5°	4547.3	4537.3	4497.3	3884.0	2699.2	1748.0	1627.0	1497.7	1456.0	1485.2	1526.9
40°	5060.5	5034.6	4931.2	4117.6	2569.9	1643.7	1551.9	1397.6	1339.2	1360.0	1405.9
42.5°	5757.2	5708.0	5511.0	4430.5	2394.7	1543.6	1439.3	1297.5	1234.9	1247.4	1289.1
45°	6650.0	6575.7	6278.7	4860.2	2211.1	1464.3	1322.5	1193.2	1126.4	1138.9	1184.8
47.5°	7692.9	7591.1	7184.0	5310.8	2015.0	1418.4	1230.7	1088.9	1038.8	1068.0	1113.9
50°	8923.6	8821.0	8410.5	5598.7	1856.5	1389.2	1159.8	992.9	972.0	1009.6	1047.1
52.5°	10267.0	10121.0	9536.9	5415.1	1727.2	1364.2	1134.7	926.2	934.5	963.7	1001.2
55°	11572.8	11248.2	9949.9	4806.0	1560.3	1335.0	1151.4	876.1	897.0	934.5	963.7
57.5°	12423.8	11859.8	9603.7	3871.5	1385.1	1301.6	1164.0	851.1	867.7	909.5	942.8
60°	11681.2	11113.9	8844.4	2899.5	1234.9	1230.7	1143.1	842.7	817.7	876.1	905.3
62.5°	9570.3	9103.0	7234.0	1852.3	1093.0	1097.2	1097.2	838.5	734.2	809.3	834.4
65°	*6574.9*	*6282.8*	*5114.7*	*1147.3*	*892.8*	*934.5*	*997.1*	*813.5*	*646.6*	*734.2*	*759.3*
67.5°	4322.1	4107.6	3249.9	709.2	688.4	767.6	863.6	763.5	579.9	659.2	675.8
70°	2344.6	2181.9	1531.1	467.2	450.6	600.7	680.0	646.6	521.5	588.2	604.9
72.5°	1547.8	1414.3	880.3	329.6	329.6	471.4	475.6	529.8	467.2	521.5	538.2
75°	1164.0	1044.6	567.4	229.5	254.5	300.4	371.3	379.6	392.2	442.2	463.1
77.5°	534.0	468.9	208.6	137.7	187.7	208.6	283.7	242.0	292.0	329.6	337.9
80°	308.7	270.3	116.8	91.8	121.0	133.5	233.6	141.8	175.2	233.6	246.1
82.5°	129.3	115.1	58.4	62.6	75.1	79.3	129.3	100.1	112.6	154.4	150.2
85°	37.5	37.5	37.5	41.7	45.9	45.9	75.1	70.9	66.7	70.9	70.9
87.5°	25.0	25.0	25.0	25.0	29.2	29.2	33.4	37.5	41.7	41.7	41.7
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°	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8
2.5°	2144.3	2115.1	2077.6	2023.4	2015.0	1985.8	1965.0	1985.8	2006.7	2044.2	2048.4
5°	1985.8	1939.9	1852.3	1785.6	1710.5	1672.9	1668.7	1660.4	1685.4	1739.7	1773.0
7.5°	1898.2	1823.1	1664.6	1547.8	1443.5	1405.9	1376.7	1401.7	1397.6	1468.5	1497.7
10°	1877.3	1760.5	1539.4	1364.2	1234.9	1184.8	1155.6	1151.4	1159.8	1201.5	1230.7
12.5°	1952.4	1802.2	1489.4	1230.7	1080.5	1026.3	992.9	963.7	963.7	972.0	1009.6
15°	2119.3	1939.9	1518.6	1168.1	1005.4	934.5	880.3	842.7	813.5	817.7	821.9
17.5°	2352.9	2140.2	1593.7	1147.3	959.5	884.4	817.7	780.1	746.8	738.4	738.4
20°	2536.5	2332.1	1652.1	1130.6	922.0	826.0	767.6	734.2	705.0	692.5	692.5
22.5°	2557.4	2411.3	1702.1	1109.7	876.1	767.6	713.4	684.2	663.3	659.2	659.2
25°	2419.7	2348.8	1685.4	1084.7	830.2	713.4	671.7	646.6	625.8	621.6	625.8
27.5°	2190.2	2152.7	1627.0	1051.3	792.7	671.7	634.1	613.3	592.4	588.2	592.4
30°	1985.8	1944.1	1526.9	997.1	763.5	638.3	596.6	575.7	554.9	554.9	559.0
32.5°	1818.9	1777.2	1426.8	934.5	725.9	600.7	563.2	542.3	521.5	521.5	529.8
35°	1668.7	1635.4	1347.5	871.9	688.4	567.4	525.7	509.0	492.3	488.1	496.5
37.5°	1539.4	1522.7	1276.6	805.2	650.8	534.0	496.5	479.8	458.9	454.7	463.1
40°	1414.3	1405.9	1197.3	746.8	604.9	500.6	463.1	446.4	421.4	421.4	429.7
42.5°	1297.5	1293.3	1126.4	709.2	563.2	467.2	425.5	408.8	388.0	388.0	396.3
45°	1205.7	1201.5	1059.7	688.4	521.5	429.7	392.2	371.3	354.6	358.8	367.1
47.5°	1122.2	1113.9	988.7	692.5	500.6	404.7	354.6	333.7	321.2	329.6	342.1
50°	1055.5	1047.1	938.7	696.7	467.2	371.3	325.4	304.5	296.2	308.7	321.2
52.5°	1013.8	1005.4	888.6	671.7	425.5	346.3	296.2	283.7	283.7	296.2	304.5
55°	972.0	963.7	805.2	617.4	379.6	321.2	275.3	267.0	267.0	279.5	287.9
57.5°	947.0	930.3	717.6	554.9	342.1	292.0	254.5	254.5	254.5	258.7	262.8
60°	909.5	867.7	625.8	475.6	312.9	262.8	237.8	233.6	233.6	229.5	233.6
62.5°	830.2	759.3	525.7	404.7	279.5	237.8	216.9	212.8	200.2	187.7	191.9
65°	*750.9*	*642.5*	*417.2*	*337.9*	*242.0*	*204.4*	*191.9*	*187.7*	*166.9*	*150.2*	*154.4*
67.5°	650.8	513.1	312.9	283.7	208.6	175.2	162.7	162.7	150.2	137.7	137.7
70°	579.9	400.5	262.8	212.8	166.9	137.7	137.7	146.0	133.5	116.8	116.8
72.5°	513.1	325.4	212.8	171.0	129.3	108.5	116.8	121.0	108.5	96.0	96.0
75°	438.0	254.5	166.9	133.5	96.0	83.4	87.6	96.0	87.6	75.1	79.3
77.5°	317.1	175.2	112.6	87.6	70.9	62.6	66.7	66.7	62.6	58.4	58.4
80°	221.1	116.8	75.1	58.4	50.1	45.9	45.9	41.7	41.7	45.9	45.9
82.5°	133.5	83.4	54.2	45.9	37.5	29.2	29.2	33.4	33.4	37.5	37.5
85°	58.4	50.1	37.5	33.4	25.0	20.9	25.0	25.0	29.2	33.4	33.4
87.5°	37.5	37.5	29.2	25.0	20.9	16.7	16.7	20.9	20.9	25.0	29.2
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°	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8
2.5°	2065.1	2106.8	2156.9	2227.8	2290.4	2365.5	2440.5	2511.5	2578.2	2586.6	2615.8
5°	1798.1	1877.3	1977.5	2094.3	2236.1	2386.3	2532.3	2686.7	2811.8	2857.7	2924.5
7.5°	1522.7	1622.9	1768.9	1948.3	2148.5	2373.8	2599.1	2816.0	3003.7	3091.4	3179.0
10°	1259.9	1355.9	1535.2	1752.2	2010.8	2315.4	2615.8	2907.8	3137.2	3237.4	3320.8
12.5°	1022.1	1118.1	1264.1	1514.4	1827.3	2194.4	2590.7	2941.2	3195.7	3300.0	3379.2
15°	834.4	913.6	1051.3	1284.9	1614.5	2027.5	2503.1	2916.1	3208.2	3308.3	3366.7
17.5°	734.2	755.1	842.7	1055.5	1414.3	1877.3	2390.5	2882.8	3216.5	3308.3	3341.7
20°	692.5	692.5	709.2	821.9	1172.3	1718.8	2307.0	2861.9	3229.0	3320.8	3316.6
22.5°	655.0	663.3	663.3	688.4	892.8	1497.7	2219.4	2853.6	3266.6	3337.5	3279.1
25°	621.6	634.1	634.1	642.5	700.9	1234.9	2111.0	2870.2	3333.3	3370.9	3254.1
27.5°	592.4	604.9	604.9	613.3	625.8	917.8	1931.6	2874.4	3408.4	3412.6	3220.7
30°	563.2	575.7	584.1	584.1	592.4	675.8	1706.3	2849.4	3491.9	3466.8	3216.5
32.5°	529.8	546.5	550.7	559.0	563.2	588.2	1414.3	2807.7	3596.2	3541.9	3220.7
35°	500.6	521.5	525.7	525.7	534.0	559.0	1130.6	2761.8	3738.0	3642.0	3237.4
37.5°	471.4	488.1	492.3	496.5	504.8	529.8	897.0	2695.0	3859.0	3767.2	3320.8
40°	438.0	458.9	463.1	467.2	475.6	500.6	771.8	2611.6	4042.5	3975.8	3446.0
42.5°	404.7	425.5	433.9	438.0	442.2	475.6	705.0	2553.2	4338.7	4267.8	3700.5
45°	375.5	396.3	404.7	404.7	413.0	458.9	646.6	2682.5	4747.6	4714.2	4042.5
47.5°	350.4	371.3	375.5	375.5	379.6	433.9	596.6	3028.8	5373.4	5285.8	4576.5
50°	329.6	346.3	354.6	346.3	350.4	413.0	625.8	3600.3	6174.4	6203.6	5360.9
52.5°	312.9	329.6	333.7	317.1	317.1	383.8	663.3	4067.6	7196.5	7463.5	6604.1
55°	292.0	308.7	312.9	292.0	292.0	337.9	575.7	4096.8	8360.4	9219.8	8222.8
57.5°	271.2	287.9	287.9	271.2	267.0	292.0	467.2	3633.7	9261.6	11209.8	10438.0
60°	246.1	262.8	258.7	250.3	242.0	267.0	429.7	2770.1	9140.6	12507.3	12978.7
62.5°	200.2	225.3	233.6	229.5	212.8	242.0	400.5	1806.4	7909.9	11380.9	12899.4
65°	*166.9*	*187.7*	*200.2*	*200.2*	*187.7*	*267.0*	*350.4*	*951.2*	*6332.9*	*9657.9*	*11372.5*
67.5°	146.0	166.9	175.2	171.0	162.7	237.8	221.1	458.9	4856.1	8322.9	10179.4
70°	129.3	146.0	154.4	141.8	133.5	191.9	158.5	271.2	3249.9	6946.2	9065.5
72.5°	104.3	121.0	129.3	116.8	104.3	141.8	121.0	179.4	2115.1	5919.9	8055.9
75°	83.4	100.1	104.3	96.0	83.4	104.3	96.0	125.2	1380.9	4897.8	6850.2
77.5°	62.6	70.9	79.3	75.1	62.6	75.1	66.7	87.6	788.5	3437.6	4806.0
80°	50.1	54.2	54.2	54.2	50.1	45.9	45.9	58.4	354.6	1693.8	2507.3
82.5°	41.7	45.9	45.9	41.7	37.5	33.4	29.2	33.4	104.3	759.3	1155.6
85°	37.5	41.7	33.4	29.2	25.0	20.9	12.5	12.5	29.2	121.0	225.3
87.5°	29.2	25.0	20.9	16.7	8.3	4.2	4.2	0.0	4.2	4.2	4.2
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: P1364543
CATALOG NUMBER: GSS-SB5A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8	2348.8
2.5°	2661.7	2703.4	2732.6	2757.6	2749.3	2728.4	2686.7	2657.5	2650.8	2649.1
5°	3012.1	3078.8	3137.2	3128.9	3137.2	3074.7	3012.1	2937.0	2907.0	2899.5
7.5°	3304.1	3387.6	3458.5	3450.1	3425.1	3354.2	3249.9	3137.2	3083.8	3070.5
10°	3462.7	3558.6	3617.0	3596.2	3554.4	3462.7	3358.4	3224.9	3164.8	3149.8
12.5°	3491.9	3554.4	3541.9	3533.6	3525.2	3479.3	3400.1	3279.1	3219.0	3204.0
15°	3416.8	3391.7	3320.8	3304.1	3366.7	3425.1	3408.4	3308.3	3251.6	3237.4
17.5°	3291.6	3162.3	3033.0	3016.3	3120.6	3283.3	3412.6	3354.2	3300.8	3287.4
20°	3153.9	2912.0	2770.1	2740.9	2870.2	3112.2	3366.7	3400.1	3363.4	3354.2
22.5°	2991.2	2707.5	2557.4	2540.7	2636.6	2920.3	3300.0	3450.1	3433.5	3429.3
25°	2849.4	2528.2	2386.3	2361.3	2486.4	2761.8	3233.2	3533.6	3523.6	3521.1
27.5°	2732.6	2398.8	2248.6	2232.0	2352.9	2628.3	3149.8	3604.5	3637.9	3646.2
30°	2640.8	2302.9	2152.7	2131.8	2265.3	2536.5	3091.4	3704.6	3768.0	3783.9
32.5°	2569.9	2248.6	2106.8	2094.3	2236.1	2499.0	3058.0	3808.9	3939.1	3971.6
35°	2544.8	2265.3	2169.4	2198.6	2307.0	2536.5	3083.0	3980.0	4160.2	4205.2
37.5°	2599.1	2448.9	2515.6	2590.7	2632.5	2715.9	3199.8	4255.3	4488.9	4547.3
40°	2774.3	2941.2	3254.1	3400.1	3383.4	3191.5	3466.8	4643.3	4977.0	5060.5
42.5°	3220.7	3763.0	4426.4	4672.5	4530.7	3950.8	3892.4	5281.6	5662.1	5757.2
45°	3884.0	4755.9	5844.8	6399.7	5911.5	4914.5	4564.0	6191.1	6558.2	6650.0
47.5°	4547.3	5865.7	7597.0	8256.1	7296.6	5869.8	5444.3	7279.9	7610.3	7692.9
50°	5223.2	7092.2	9345.0	10225.3	8677.5	6841.9	6378.8	8623.3	8863.6	8923.6
52.5°	5919.9	8189.4	11272.4	12031.7	10121.0	7592.8	7446.8	10087.6	10231.1	10267.0
55°	6695.9	9228.2	13204.0	13817.2	11435.1	8247.8	8698.4	11618.7	11582.0	11572.8
57.5°	7730.5	10321.2	14760.1	15615.3	12628.3	9132.2	10371.3	13320.8	12603.2	12423.8
60°	9536.9	12019.2	16695.8	17626.2	14226.1	10425.5	11602.0	13283.2	12001.6	11681.2
62.5°	11631.2	13654.5	18448.0	19232.3	15907.4	11710.5	10621.6	11155.6	9887.3	9570.3
65°	10104.3	13366.7	18502.3	19307.4	15969.9	10926.1	7851.5	7909.9	6841.9	6574.9
67.5°	8598.2	11848.1	16850.2	17484.3	14247.0	9032.1	5206.5	5160.6	4489.8	4322.1
70°	7655.4	10379.6	14522.3	13975.8	11977.5	7634.5	3458.5	2866.1	2448.9	2344.6
72.5°	6879.4	8235.3	11768.9	9632.9	9937.4	6211.9	2198.6	1952.4	1628.7	1547.8
75°	6228.6	6812.7	7342.5	6658.3	7058.8	5118.9	1864.8	1506.0	1232.4	1164.0
77.5°	4956.2	5302.5	4347.1	4221.9	4943.7	3642.0	926.2	634.1	554.0	534.0
80°	2949.5	2507.3	2465.6	2811.8	3291.6	1889.9	567.4	350.4	317.1	308.7
82.5°	1785.6	905.3	984.6	1243.2	1752.2	859.4	337.9	150.2	133.5	129.3
85°	300.4	246.1	379.6	363.0	342.1	183.6	91.8	41.7	38.4	37.5
87.5°	8.3	12.5	16.7	20.9	20.9	20.9	20.9	20.9	24.2	25.0
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

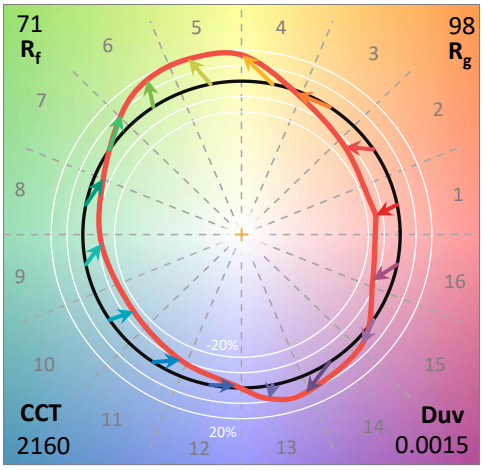
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

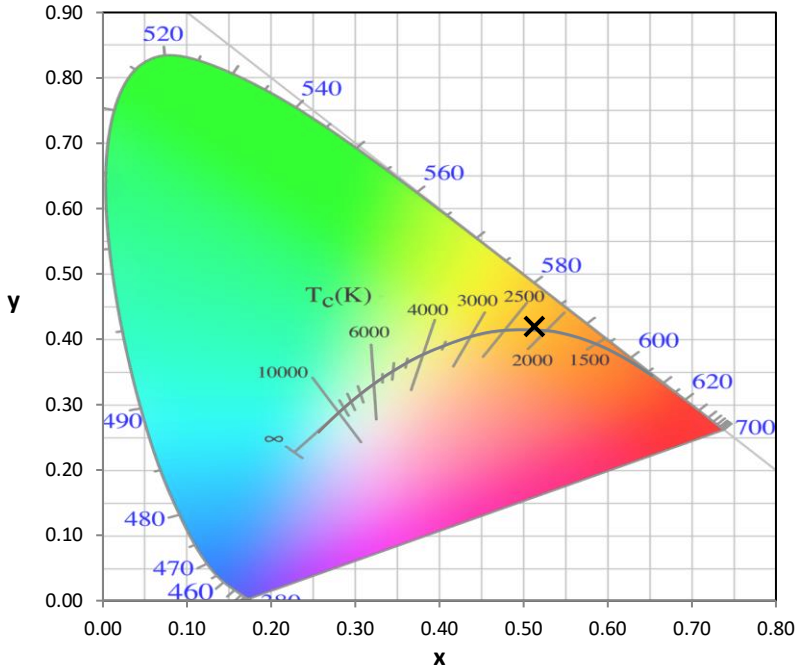
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

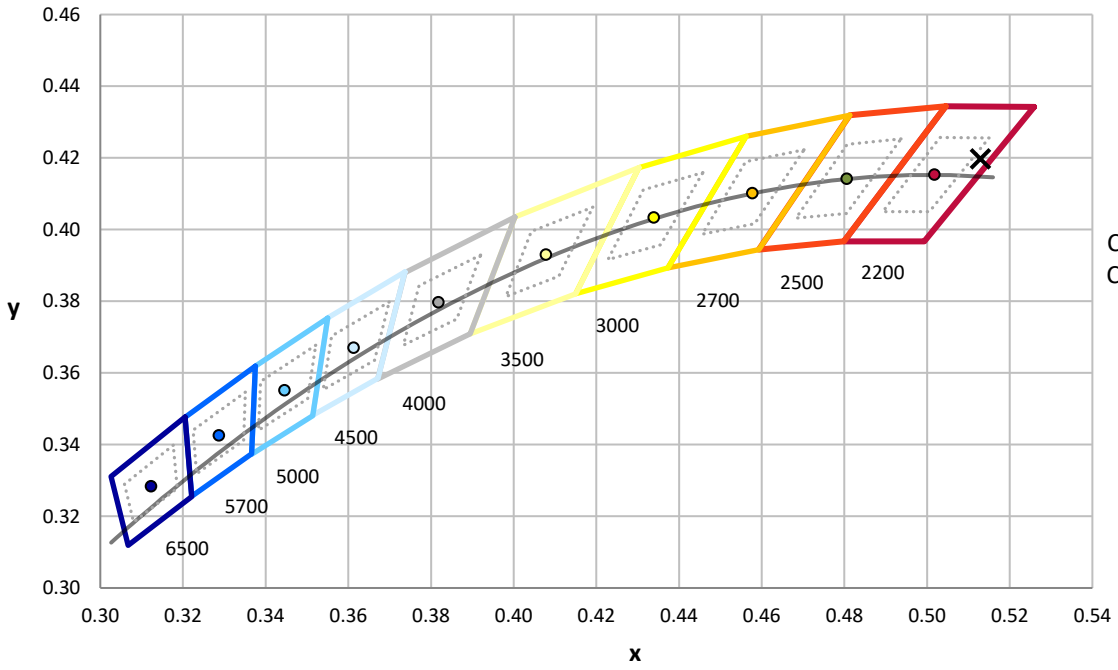
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

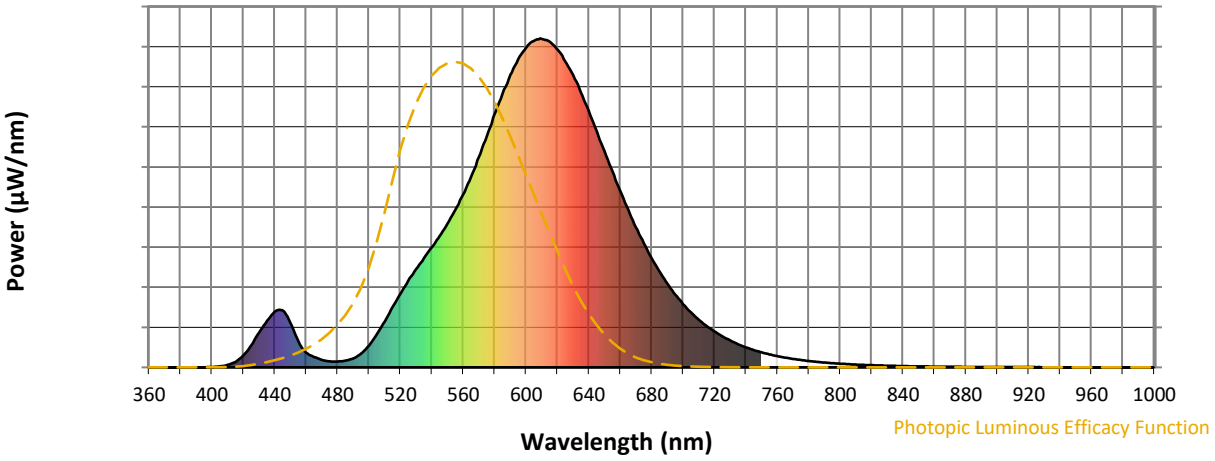


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

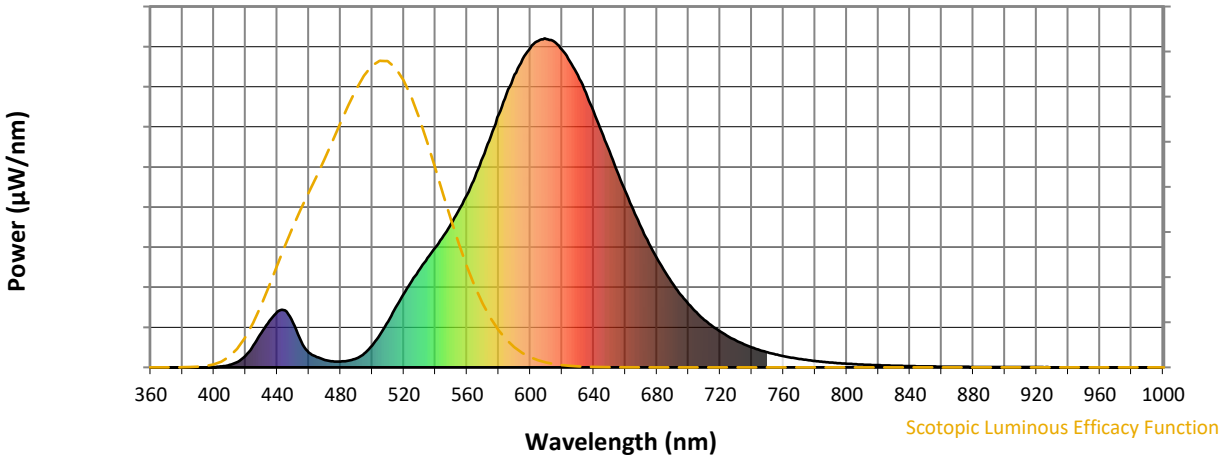


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

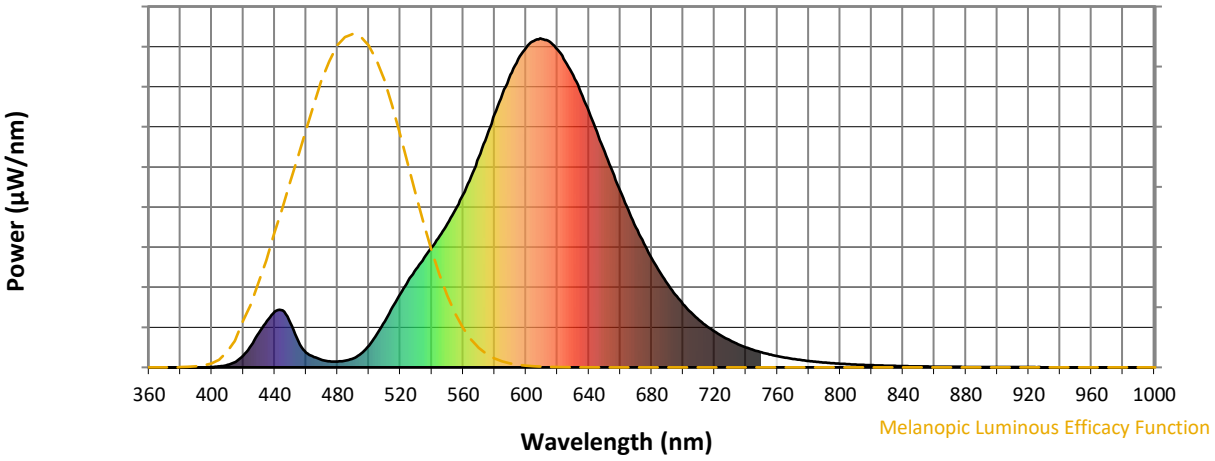


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

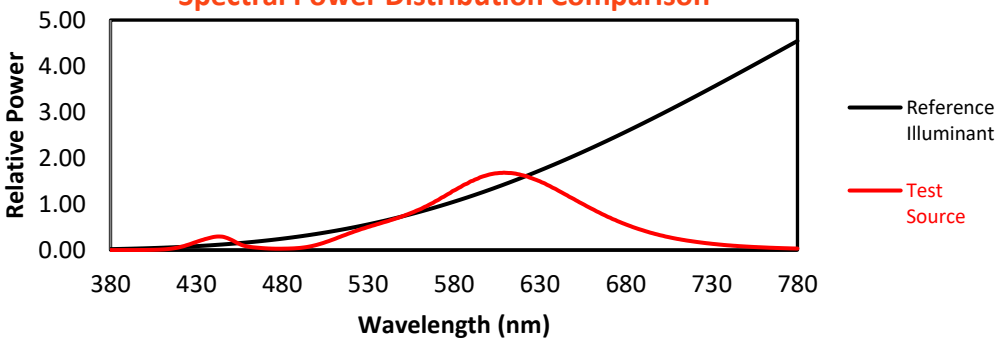
REPORT NUMBER: SP1-2407-184-2

TM-30-18

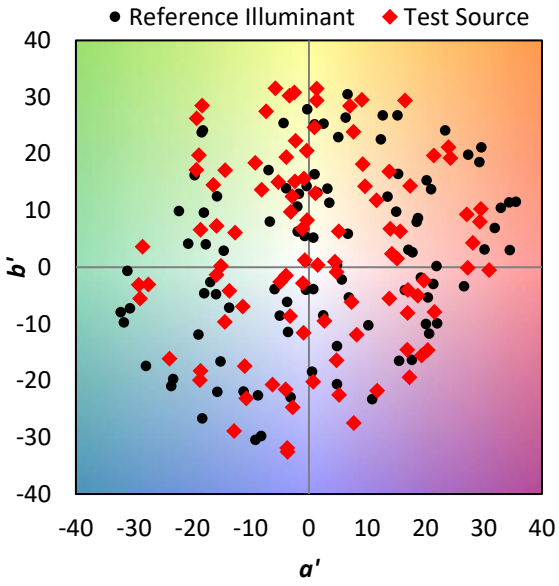
Summary

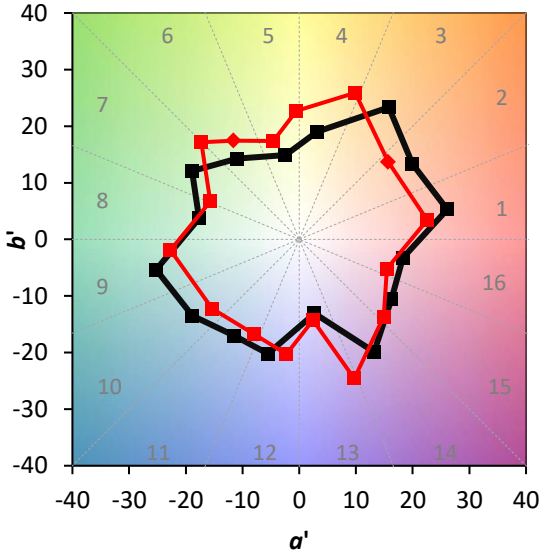
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

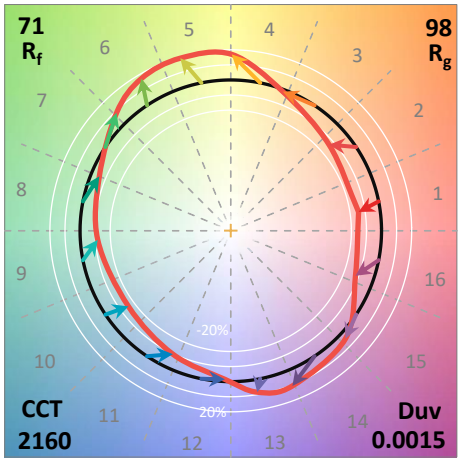
Spectral Power Distribution Comparison

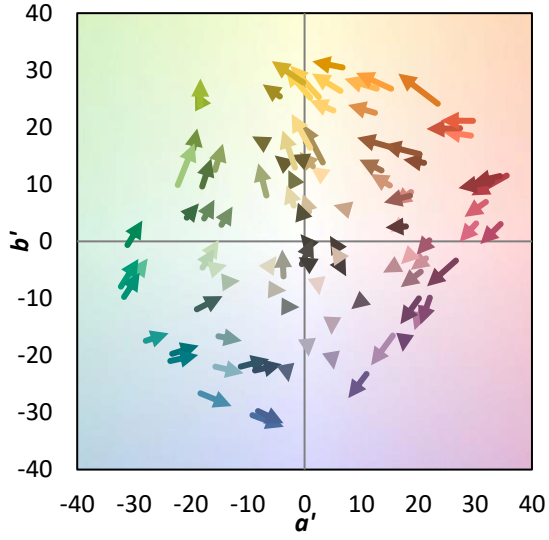


Color Vector Graphics







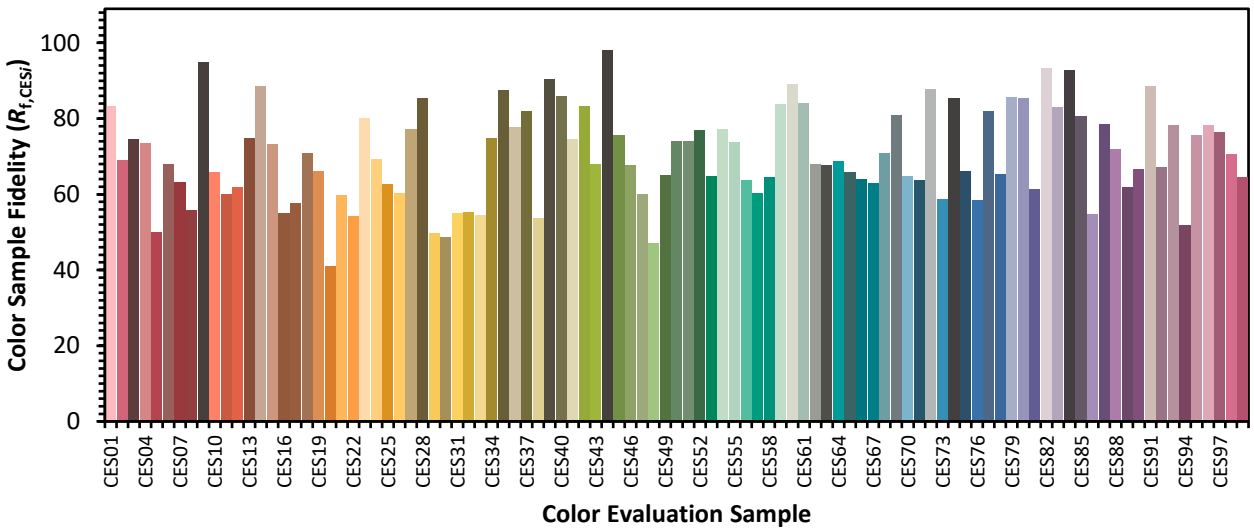


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Individual Sample Fidelity Index ($R_{f,i}$)

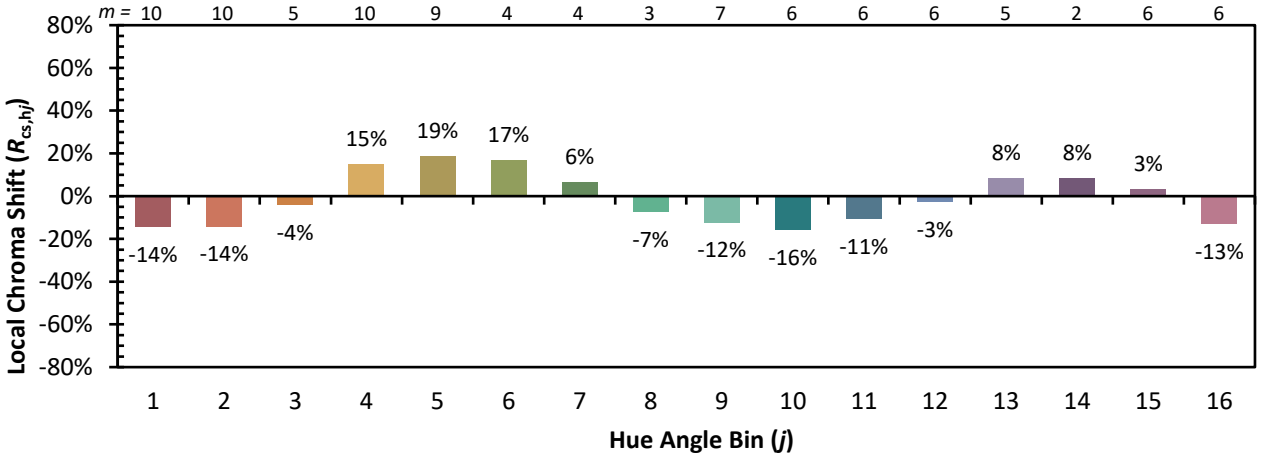
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

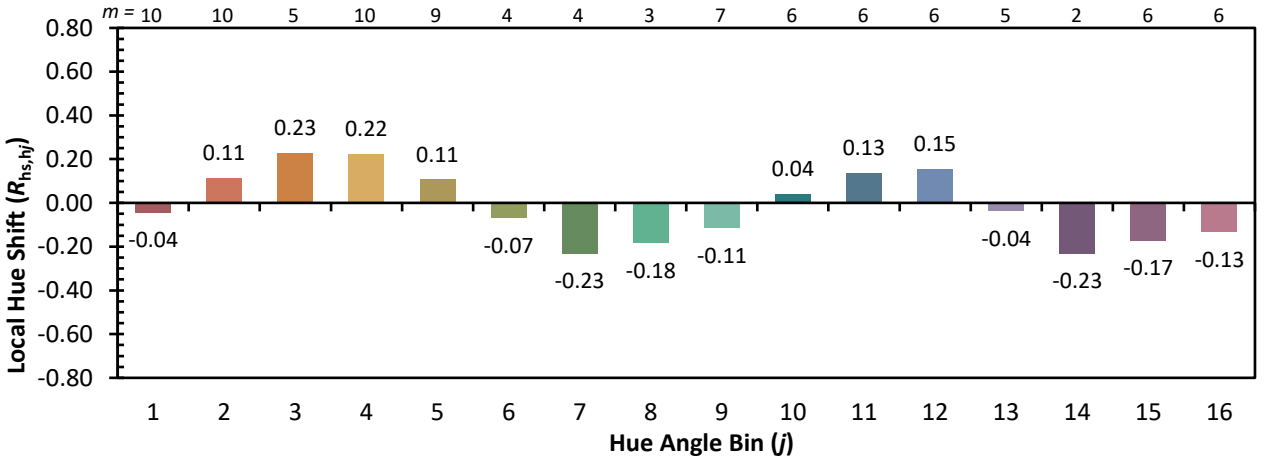


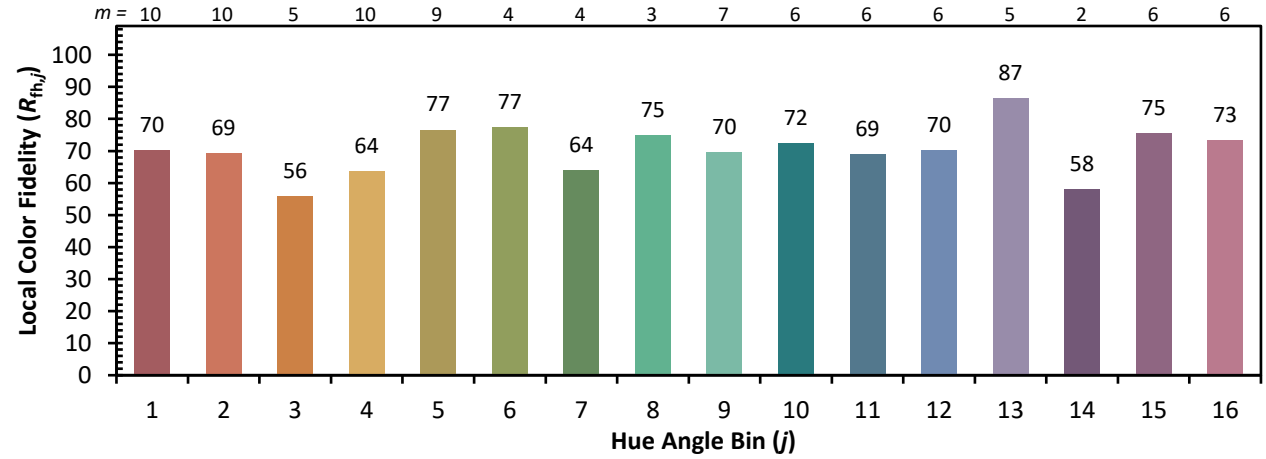
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Color Rendition by Hue-Angle Bin



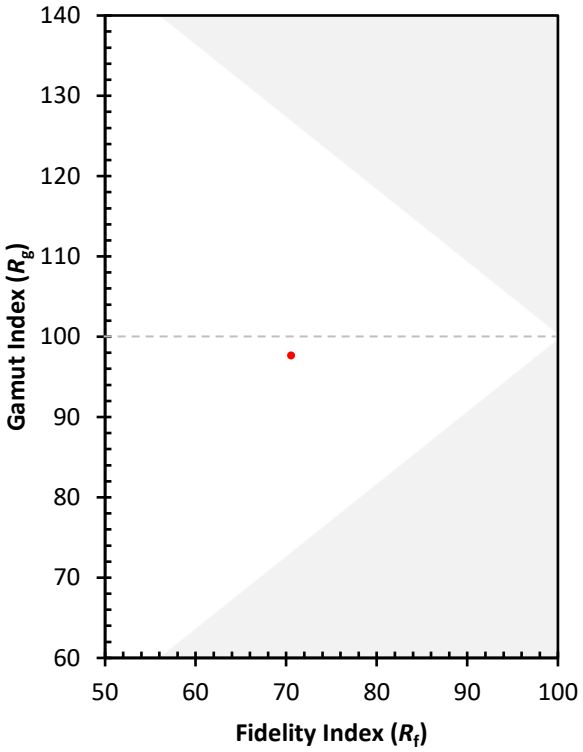


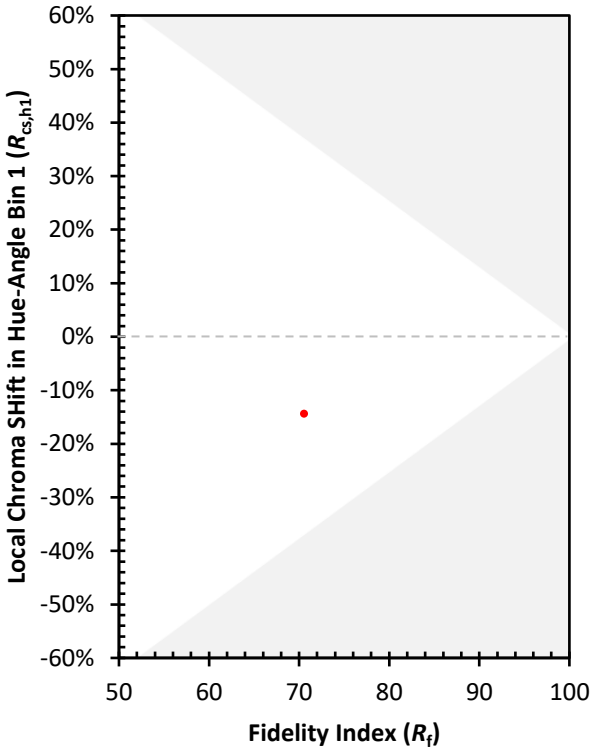


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Measure Comparisons





(END OF REPORT)