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: P1364537

Luminaire Tested: **GSS-SB3C-722-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364537
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12996.3 lumens
Efficiency:	N/A
Efficacy:	86.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

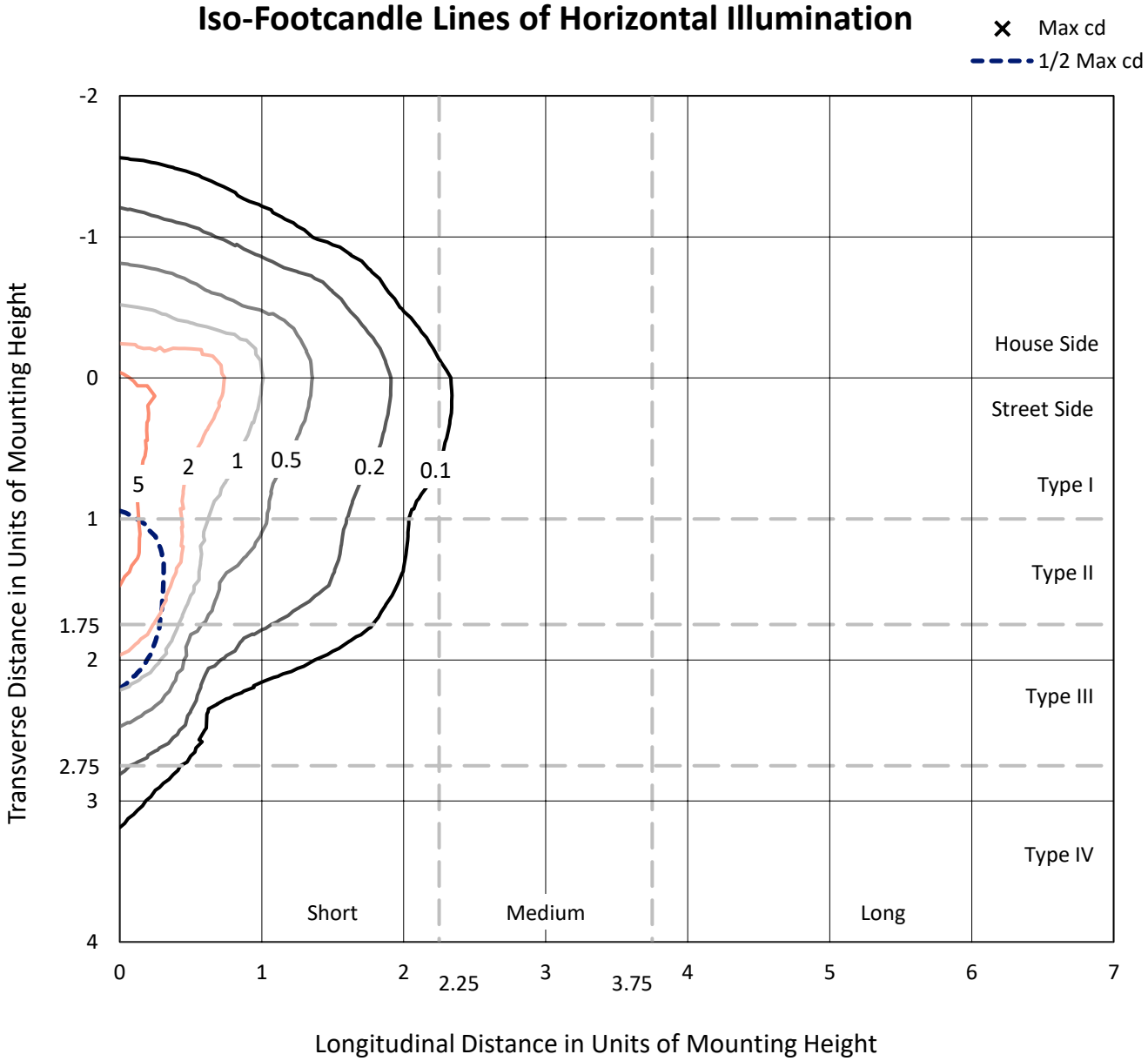
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



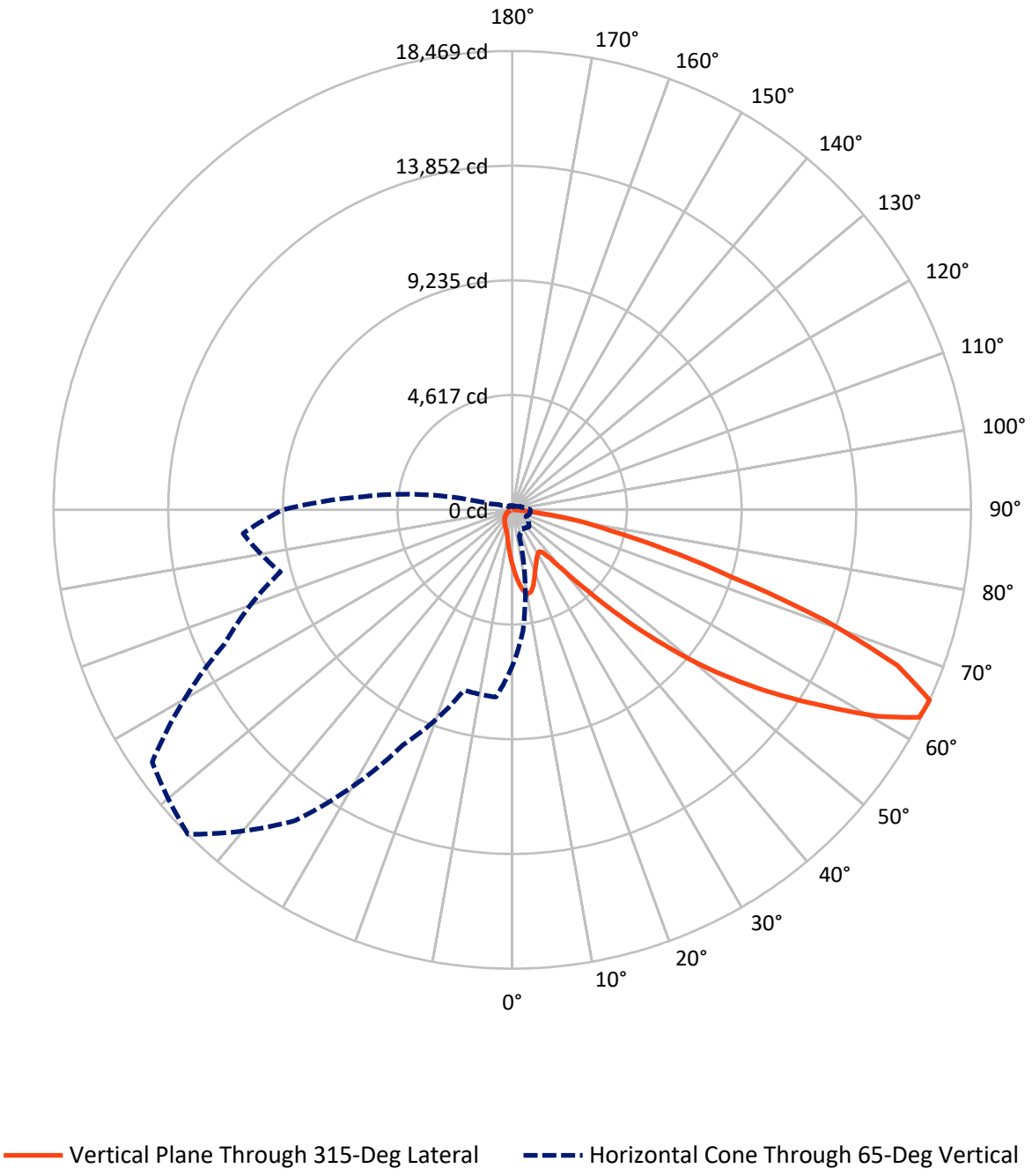
Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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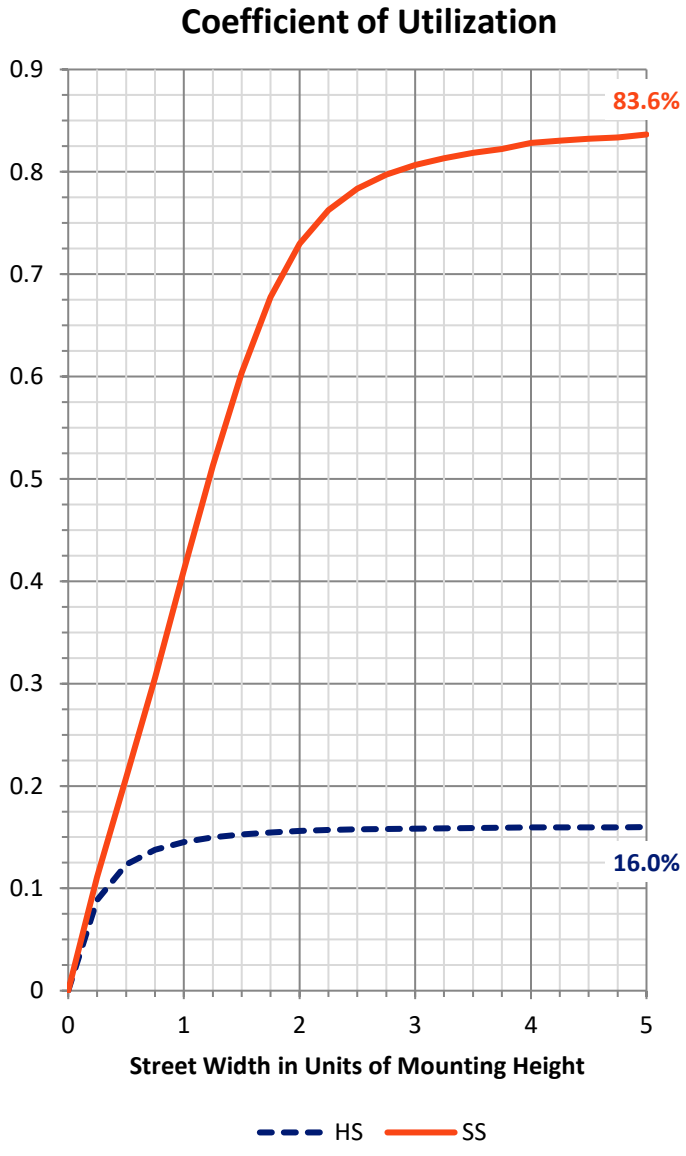
REPORT NUMBER: P1364537
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2100.9	0.0	2100.9
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	10895.4	0.0	10895.4
	% Fixture	83.8	0.0	83.8
Total	Lumens	12996.3	0.0	12996.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.9	1.7
10°-20°	597.2	4.6
20°-30°	855.3	6.6
30°-40°	1072.8	8.3
40°-50°	1762.3	13.6
50°-60°	3180.2	24.5
60°-70°	3529.4	27.2
70°-80°	1594.6	12.3
80°-90°	188.5	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°	12996.3	100.0
0°-180°	12996.3	100.0



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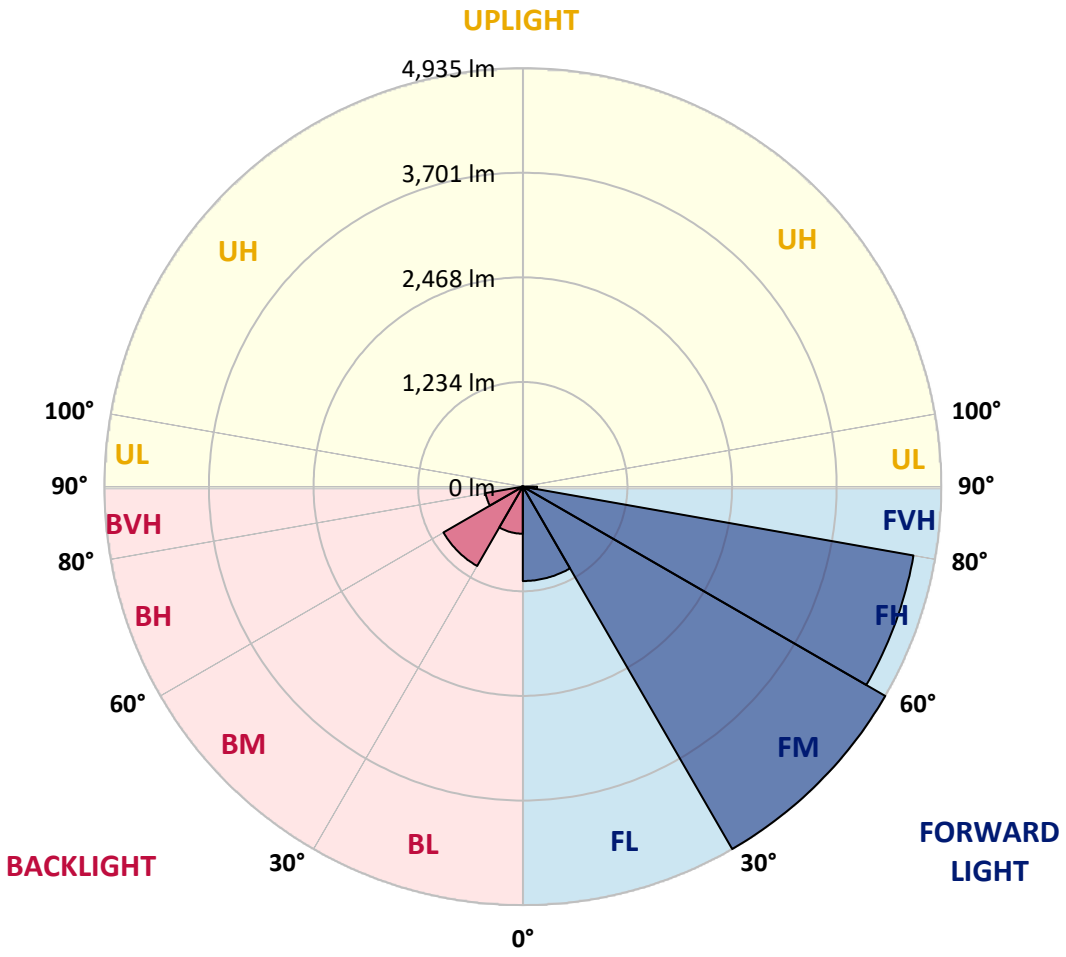
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1113.2	8.6			
FM	(30°-60°)	4935.0	38.0			
FH	(60°-80°)	4677.8	36.0			G2/5000
FVH	(80°-90°)	169.3	1.3			G2/225
BL	(0°-30°)	555.2	4.3	B2/1000		
BM	(30°-60°)	1080.3	8.3	B2/2500		
BH	(60°-80°)	446.2	3.4	B1/500		G1/500
BVH	(80°-90°)	19.3	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°	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8
2.5°	2534.1	2531.7	2522.1	2462.3	2402.4	2350.5	2298.7	2246.8	2175.0	2119.1	2071.2
5°	2773.6	2760.8	2709.7	2617.9	2518.2	2430.4	2330.6	2234.8	2127.1	2039.3	1947.5
7.5°	2937.2	2924.4	2873.3	2721.7	2570.0	2462.3	2354.5	2254.8	2135.0	2019.3	1887.6
10°	3013.0	2998.6	2941.2	2777.6	2602.0	2470.3	2362.5	2270.7	2171.0	2055.2	1891.6
12.5°	3064.9	3047.3	2977.1	2789.5	2609.9	2478.3	2366.5	2278.7	2206.9	2139.0	1979.4
15°	3096.8	3080.9	3017.0	2821.5	2613.9	2466.3	2334.6	2250.8	2226.8	2238.8	2163.0
17.5°	3144.7	3129.5	3068.9	2861.4	2637.9	2446.3	2266.7	2175.0	2226.8	2334.6	2358.5
20°	3208.6	3192.6	3128.7	2913.2	2657.8	2386.5	2139.0	2051.2	2182.9	2362.5	2486.2
22.5°	3280.4	3267.6	3216.5	2973.1	2677.8	2298.7	1971.4	1931.5	2091.1	2282.7	2442.3
25°	3368.2	3356.2	3308.3	3056.9	2697.7	2178.9	1827.8	1835.7	1971.4	2123.1	2286.7
27.5°	3487.9	3476.7	3432.0	3160.7	2721.7	2055.2	1712.0	1751.9	1851.7	1955.5	2055.2
30°	3619.6	3610.8	3575.7	3284.4	2769.6	1939.5	1644.2	1668.1	1736.0	1819.8	1879.6
32.5°	3799.2	3784.8	3727.4	3400.1	2765.6	1851.7	1612.3	1588.3	1608.3	1676.1	1736.0
35°	4022.7	4011.5	3966.8	3519.8	2693.8	1771.9	1596.3	1512.5	1500.5	1540.4	1600.3
37.5°	4349.9	4340.3	4302.0	3715.4	2582.0	1672.1	1556.4	1432.7	1392.8	1420.7	1460.6
40°	4840.8	4816.0	4717.1	3938.9	2458.3	1572.4	1484.6	1336.9	1281.0	1301.0	1344.9
42.5°	5507.2	5460.1	5271.8	4238.2	2290.7	1476.6	1376.8	1241.1	1181.3	1193.2	1233.1
45°	6361.2	6290.2	6006.1	4649.2	2115.1	1400.8	1265.1	1141.4	1077.5	1089.5	1133.4
47.5°	7358.9	7261.6	6872.1	5080.2	1927.5	1356.9	1177.3	1041.6	993.7	1021.6	1065.5
50°	8536.2	8438.0	8045.3	5355.6	1775.9	1328.9	1109.4	949.8	929.8	965.8	1001.7
52.5°	9821.2	9681.5	9122.8	5180.0	1652.2	1305.0	1085.5	885.9	893.9	921.9	957.8
55°	11070.3	10759.8	9517.9	4597.3	1492.5	1277.0	1101.4	838.1	858.0	893.9	921.9
57.5°	11884.4	11344.9	9186.7	3703.4	1324.9	1245.1	1113.4	814.1	830.1	870.0	901.9
60°	11174.1	10631.3	8460.4	2773.6	1181.3	1177.3	1093.5	806.1	782.2	838.1	866.0
62.5°	9154.8	8707.8	6919.9	1771.9	1045.6	1049.6	1049.6	802.1	702.4	774.2	798.1
65°	*6289.4*	*6010.1*	*4892.7*	*1097.5*	*854.0*	*893.9*	*953.8*	*778.2*	*618.6*	*702.4*	*726.3*
67.5°	4134.4	3929.3	3108.8	678.4	658.5	734.3	826.1	730.3	554.7	630.5	646.5
70°	2242.8	2087.2	1464.6	447.0	431.0	574.7	650.5	618.6	498.8	562.7	578.7
72.5°	1480.6	1352.9	842.0	315.3	315.3	451.0	454.9	506.8	447.0	498.8	514.8
75°	1113.4	999.3	542.7	219.5	243.4	287.3	355.2	363.2	375.1	423.0	443.0
77.5°	510.8	448.6	199.5	131.7	179.6	199.5	271.4	231.5	279.4	315.3	323.3
80°	295.3	258.6	111.7	87.8	115.7	127.7	223.5	135.7	167.6	223.5	235.5
82.5°	123.7	110.1	55.9	59.9	71.8	75.8	123.7	95.8	107.8	147.7	143.7
85°	35.9	35.9	35.9	39.9	43.9	43.9	71.8	67.8	63.9	67.8	67.8
87.5°	23.9	23.9	23.9	23.9	27.9	27.9	31.9	35.9	39.9	39.9	39.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8
2.5°	2051.2	2023.3	1987.4	1935.5	1927.5	1899.6	1879.6	1899.6	1919.5	1955.5	1959.5
5°	1899.6	1855.7	1771.9	1708.0	1636.2	1600.3	1596.3	1588.3	1612.3	1664.1	1696.1
7.5°	1815.8	1744.0	1592.3	1480.6	1380.8	1344.9	1316.9	1340.9	1336.9	1404.7	1432.7
10°	1795.8	1684.1	1472.6	1305.0	1181.3	1133.4	1105.4	1101.4	1109.4	1149.3	1177.3
12.5°	1867.7	1724.0	1424.7	1177.3	1033.6	981.7	949.8	921.9	921.9	929.8	965.8
15°	2027.3	1855.7	1452.6	1117.4	961.8	893.9	842.0	806.1	778.2	782.2	786.2
17.5°	2250.8	2047.3	1524.5	1097.5	917.9	846.0	782.2	746.3	714.3	706.4	706.4
20°	2426.4	2230.8	1580.3	1081.5	882.0	790.2	734.3	702.4	674.4	662.5	662.5
22.5°	2446.3	2306.6	1628.2	1061.5	838.1	734.3	682.4	654.5	634.5	630.5	630.5
25°	2314.6	2246.8	1612.3	1037.6	794.2	682.4	642.5	618.6	598.6	594.6	598.6
27.5°	2095.1	2059.2	1556.4	1005.7	758.2	642.5	606.6	586.6	566.7	562.7	566.7
30°	1899.6	1859.7	1460.6	953.8	730.3	610.6	570.7	550.7	530.8	530.8	534.8
32.5°	1740.0	1700.1	1364.8	893.9	694.4	574.7	538.8	518.8	498.8	498.8	506.8
35°	1596.3	1564.4	1289.0	834.1	658.5	542.7	502.8	486.9	470.9	466.9	474.9
37.5°	1472.6	1456.6	1221.2	770.2	622.6	510.8	474.9	458.9	439.0	435.0	443.0
40°	1352.9	1344.9	1145.3	714.3	578.7	478.9	443.0	427.0	403.1	403.1	411.0
42.5°	1241.1	1237.1	1077.5	678.4	538.8	447.0	407.1	391.1	371.1	371.1	379.1
45°	1153.3	1149.3	1013.6	658.5	498.8	411.0	375.1	355.2	339.2	343.2	351.2
47.5°	1073.5	1065.5	945.8	662.5	478.9	387.1	339.2	319.3	307.3	315.3	327.2
50°	1009.7	1001.7	897.9	666.5	447.0	355.2	311.3	291.3	283.3	295.3	307.3
52.5°	969.8	961.8	850.0	642.5	407.1	331.2	283.3	271.4	271.4	283.3	291.3
55°	929.8	921.9	770.2	590.6	363.2	307.3	263.4	255.4	255.4	267.4	275.4
57.5°	905.9	889.9	686.4	530.8	327.2	279.4	243.4	243.4	243.4	247.4	251.4
60°	870.0	830.1	598.6	454.9	299.3	251.4	227.5	223.5	223.5	219.5	223.5
62.5°	794.2	726.3	502.8	387.1	267.4	227.5	207.5	203.5	191.6	179.6	183.6
65°	*718.3*	*614.6*	*399.1*	*323.3*	*231.5*	*195.5*	*183.6*	*179.6*	*159.6*	*143.7*	*147.7*
67.5°	622.6	490.9	299.3	271.4	199.5	167.6	155.6	155.6	143.7	131.7	131.7
70°	554.7	383.1	251.4	203.5	159.6	131.7	131.7	139.7	127.7	111.7	111.7
72.5°	490.9	311.3	203.5	163.6	123.7	103.8	111.7	115.7	103.8	91.8	91.8
75°	419.0	243.4	159.6	127.7	91.8	79.8	83.8	91.8	83.8	71.8	75.8
77.5°	303.3	167.6	107.8	83.8	67.8	59.9	63.9	63.9	59.9	55.9	55.9
80°	211.5	111.7	71.8	55.9	47.9	43.9	43.9	39.9	39.9	43.9	43.9
82.5°	127.7	79.8	51.9	43.9	35.9	27.9	27.9	31.9	31.9	35.9	35.9
85°	55.9	47.9	35.9	31.9	23.9	20.0	23.9	23.9	27.9	31.9	31.9
87.5°	35.9	35.9	27.9	23.9	20.0	16.0	16.0	20.0	20.0	23.9	27.9
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°	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8
2.5°	1975.4	2015.3	2063.2	2131.1	2190.9	2262.8	2334.6	2402.4	2466.3	2474.3	2502.2
5°	1720.0	1795.8	1891.6	2003.4	2139.0	2282.7	2422.4	2570.0	2689.8	2733.7	2797.5
7.5°	1456.6	1552.4	1692.1	1863.7	2055.2	2270.7	2486.2	2693.8	2873.3	2957.1	3040.9
10°	1205.2	1297.0	1468.6	1676.1	1923.5	2214.9	2502.2	2781.5	3001.0	3096.8	3176.6
12.5°	977.7	1069.5	1209.2	1448.6	1747.9	2099.1	2478.3	2813.5	3056.9	3156.7	3232.5
15°	798.1	874.0	1005.7	1229.1	1544.4	1939.5	2394.4	2789.5	3068.9	3164.7	3220.5
17.5°	702.4	722.3	806.1	1009.7	1352.9	1795.8	2286.7	2757.6	3076.9	3164.7	3196.6
20°	662.5	662.5	678.4	786.2	1121.4	1644.2	2206.9	2737.6	3088.8	3176.6	3172.6
22.5°	626.5	634.5	634.5	658.5	854.0	1432.7	2123.1	2729.7	3124.8	3192.6	3136.7
25°	594.6	606.6	606.6	614.6	670.4	1181.3	2019.3	2745.6	3188.6	3224.5	3112.8
27.5°	566.7	578.7	578.7	586.6	598.6	878.0	1847.7	2749.6	3260.4	3264.4	3080.9
30°	538.8	550.7	558.7	558.7	566.7	646.5	1632.2	2725.7	3340.3	3316.3	3076.9
32.5°	506.8	522.8	526.8	534.8	538.8	562.7	1352.9	2685.8	3440.0	3388.1	3080.9
35°	478.9	498.8	502.8	502.8	510.8	534.8	1081.5	2641.9	3575.7	3483.9	3096.8
37.5°	451.0	466.9	470.9	474.9	482.9	506.8	858.0	2578.0	3691.4	3603.6	3176.6
40°	419.0	439.0	443.0	447.0	454.9	478.9	738.3	2498.2	3867.0	3803.2	3296.4
42.5°	387.1	407.1	415.0	419.0	423.0	454.9	674.4	2442.3	4150.4	4082.5	3539.8
45°	359.2	379.1	387.1	387.1	395.1	439.0	618.6	2566.0	4541.5	4509.5	3867.0
47.5°	335.2	355.2	359.2	359.2	363.2	415.0	570.7	2897.3	5140.1	5056.3	4377.8
50°	315.3	331.2	339.2	331.2	335.2	395.1	598.6	3444.0	5906.3	5934.2	5128.1
52.5°	299.3	315.3	319.3	303.3	303.3	367.1	634.5	3891.0	6884.0	7139.4	6317.3
55°	279.4	295.3	299.3	279.4	279.4	323.3	550.7	3918.9	7997.4	8819.5	7865.8
57.5°	259.4	275.4	275.4	259.4	255.4	279.4	447.0	3475.9	8859.4	10723.1	9984.8
60°	235.5	251.4	247.4	239.4	231.5	255.4	411.0	2649.9	8743.7	11964.2	12415.2
62.5°	191.6	215.5	223.5	219.5	203.5	231.5	383.1	1728.0	7566.4	10886.7	12339.4
65°	*159.6*	*179.6*	*191.6*	*191.6*	*179.6*	*255.4*	*335.2*	*909.9*	*6057.9*	*9238.6*	*10878.8*
67.5°	139.7	159.6	167.6	163.6	155.6	227.5	211.5	439.0	4645.2	7961.5	9737.4
70°	123.7	139.7	147.7	135.7	127.7	183.6	151.6	259.4	3108.8	6644.6	8671.9
72.5°	99.8	115.7	123.7	111.7	99.8	135.7	115.7	171.6	2023.3	5662.9	7706.1
75°	79.8	95.8	99.8	91.8	79.8	99.8	91.8	119.7	1320.9	4685.1	6552.8
77.5°	59.9	67.8	75.8	71.8	59.9	71.8	63.9	83.8	754.3	3288.4	4597.3
80°	47.9	51.9	51.9	51.9	47.9	43.9	43.9	55.9	339.2	1620.2	2398.4
82.5°	39.9	43.9	43.9	39.9	35.9	31.9	27.9	31.9	99.8	726.3	1105.4
85°	35.9	39.9	31.9	27.9	23.9	20.0	12.0	12.0	27.9	115.7	215.5
87.5°	27.9	23.9	20.0	16.0	8.0	4.0	4.0	0.0	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1364537
CATALOG NUMBER: GSS-SB3C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2246.8	2246.8	2246.8	*2246.8*	2246.8	2246.8	2246.8	2246.8	2246.8	2246.8
2.5°	2546.1	2586.0	2613.9	*2637.9*	2629.9	2609.9	2570.0	2542.1	2535.7	2534.1
5°	2881.3	2945.2	3001.0	*2993.1*	3001.0	2941.2	2881.3	2809.5	2780.7	2773.6
7.5°	3160.7	3240.5	3308.3	*3300.3*	3276.4	3208.6	3108.8	3001.0	2950.0	2937.2
10°	3312.3	3404.1	3460.0	*3440.0*	3400.1	3312.3	3212.5	3084.8	3027.4	3013.0
12.5°	3340.3	3400.1	3388.1	*3380.2*	3372.2	3328.3	3252.5	3136.7	3079.3	3064.9
15°	3268.4	3244.5	3176.6	*3160.7*	3220.5	3276.4	3260.4	3164.7	3110.4	3096.8
17.5°	3148.7	3025.0	2901.3	*2885.3*	2985.1	3140.7	3264.4	3208.6	3157.5	3144.7
20°	3017.0	2785.5	2649.9	*2621.9*	2745.6	2977.1	3220.5	3252.5	3217.3	3208.6
22.5°	2861.4	2590.0	2446.3	*2430.4*	2522.1	2793.5	3156.7	3300.3	3284.4	3280.4
25°	2725.7	2418.4	2282.7	*2258.8*	2378.5	2641.9	3092.8	3380.2	3370.6	3368.2
27.5°	2613.9	2294.7	2151.0	*2135.0*	2250.8	2514.2	3013.0	3448.0	3479.9	3487.9
30°	2526.1	2202.9	2059.2	*2039.3*	2167.0	2426.4	2957.1	3543.8	3604.4	3619.6
32.5°	2458.3	2151.0	2015.3	*2003.4*	2139.0	2390.5	2925.2	3643.5	3768.1	3799.2
35°	2434.4	2167.0	2075.2	*2103.1*	2206.9	2426.4	2949.2	3807.2	3979.6	4022.7
37.5°	2486.2	2342.6	2406.4	*2478.3*	2518.2	2598.0	3060.9	4070.6	4294.0	4349.9
40°	2653.8	2813.5	3112.8	*3252.5*	3236.5	3052.9	3316.3	4441.7	4761.0	4840.8
42.5°	3080.9	3599.6	4234.2	*4469.6*	4333.9	3779.2	3723.4	5052.3	5416.2	5507.2
45°	3715.4	4549.4	5591.0	*6121.8*	5654.9	4701.1	4365.9	5922.3	6273.4	6361.2
47.5°	4349.9	5611.0	7267.1	*7897.7*	6979.8	5615.0	5207.9	6963.8	7279.9	7358.9
50°	4996.4	6784.3	8939.3	*9781.3*	8300.7	6544.8	6101.8	8248.9	8478.7	8536.2
52.5°	5662.9	7833.8	10783.0	*11509.3*	9681.5	7263.2	7123.5	9649.6	9786.9	9821.2
55°	6405.1	8827.5	12630.7	*13217.3*	10938.6	7889.7	8320.7	11114.2	11079.1	11070.3
57.5°	7394.8	9873.1	14119.2	*14937.3*	12080.0	8735.7	9921.0	12742.4	12056.0	11884.4
60°	9122.8	11497.3	15971.0	*16860.9*	13608.4	9972.9	11098.3	12706.5	11480.6	11174.1
62.5°	11126.2	13061.7	17647.1	*18397.3*	15216.7	11202.0	10160.4	10671.2	9458.1	9154.8
65°	*9665.6*	*12786.3*	*17698.9*	*18469.2*	*15276.6*	*10451.8*	*7510.6*	*7566.4*	*6544.8*	*6289.4*
67.5°	8224.9	11333.7	16118.6	*16725.2*	13628.4	8640.0	4980.4	4936.5	4294.8	4134.4
70°	7323.0	9929.0	13891.8	*13369.0*	11457.4	7303.1	3308.3	2741.6	2342.6	2242.8
72.5°	6580.7	7877.7	11257.9	*9214.6*	9505.9	5942.2	2103.1	1867.7	1558.0	1480.6
75°	5958.2	6516.9	7023.7	*6369.2*	6752.3	4896.6	1783.9	1440.7	1178.9	1113.4
77.5°	4741.0	5072.2	4158.4	*4038.6*	4729.0	3483.9	885.9	606.6	530.0	510.8
80°	2821.5	2398.4	2358.5	*2689.8*	3148.7	1807.8	542.7	335.2	303.3	295.3
82.5°	1708.0	866.0	941.8	*1189.2*	1676.1	822.1	323.3	143.7	127.7	123.7
85°	287.3	235.5	363.2	*347.2*	327.2	175.6	87.8	39.9	36.7	35.9
87.5°	8.0	12.0	16.0	*20.0*	20.0	20.0	20.0	20.0	23.1	23.9
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: SP1-2407-184-2

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

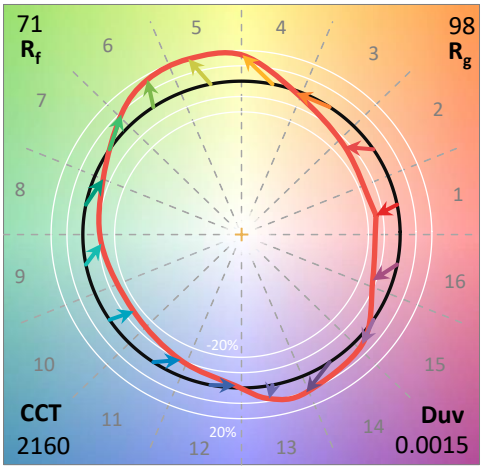
Test Information

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

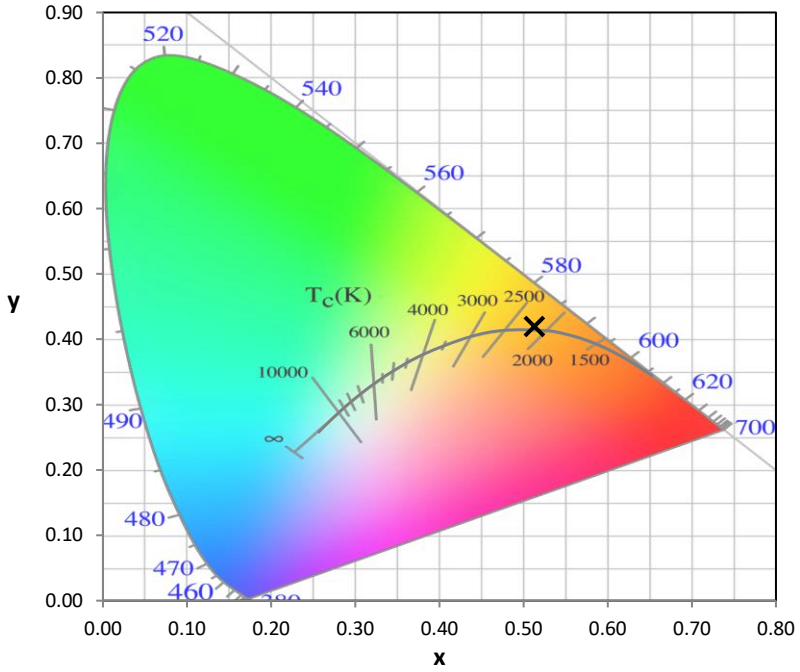
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

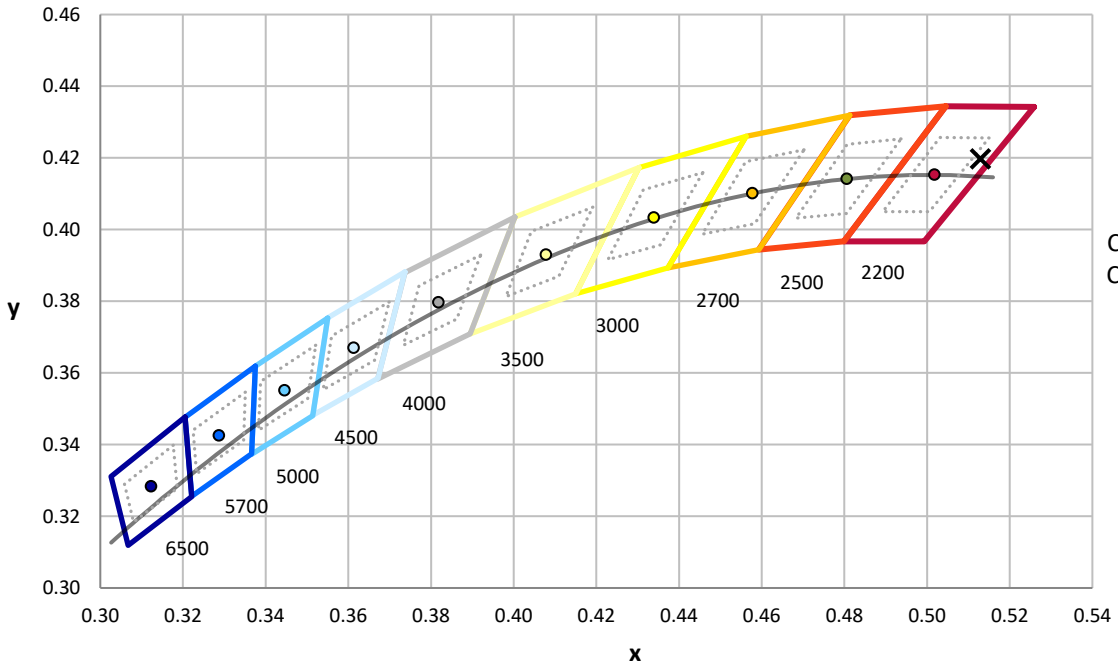
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

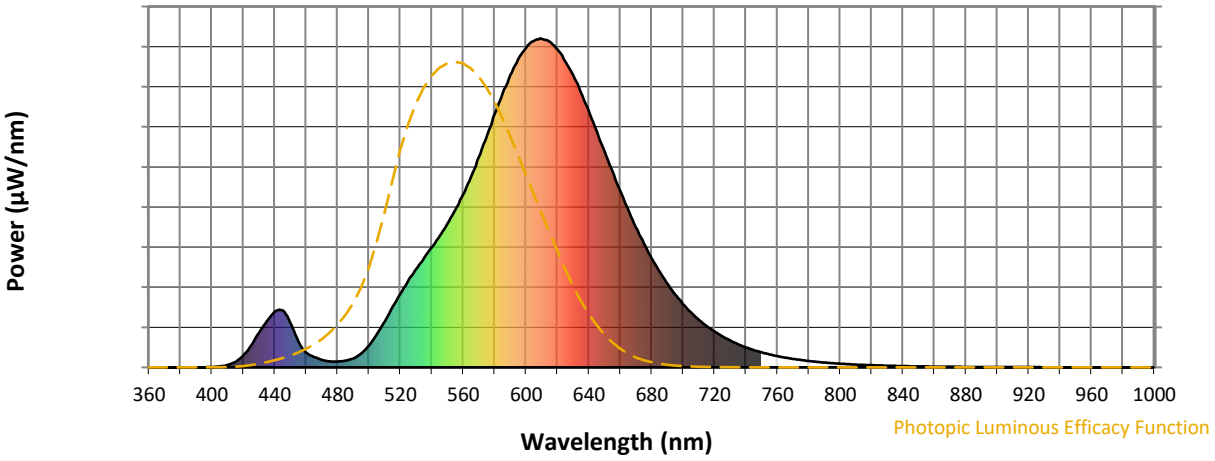


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

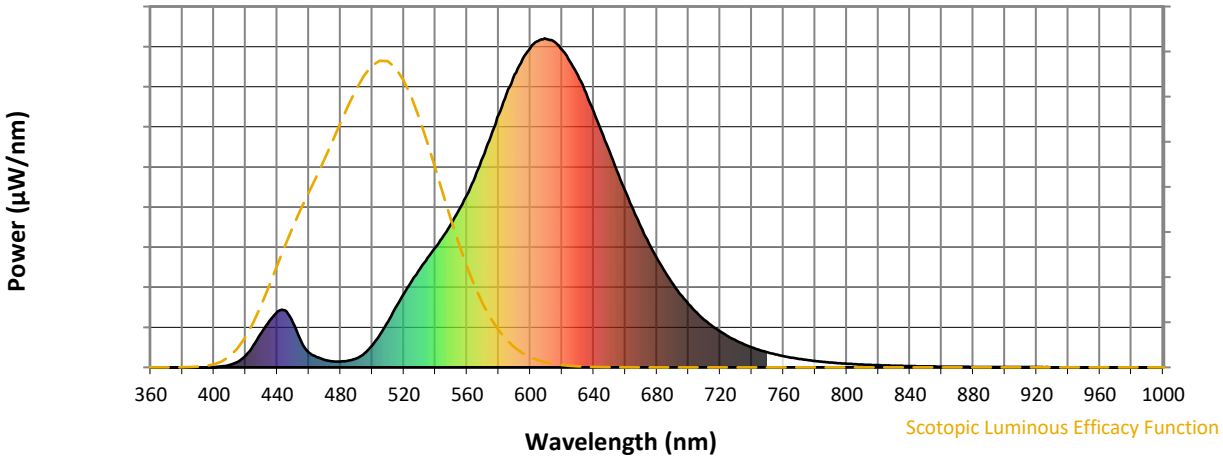


Photopic Lumens: NR

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

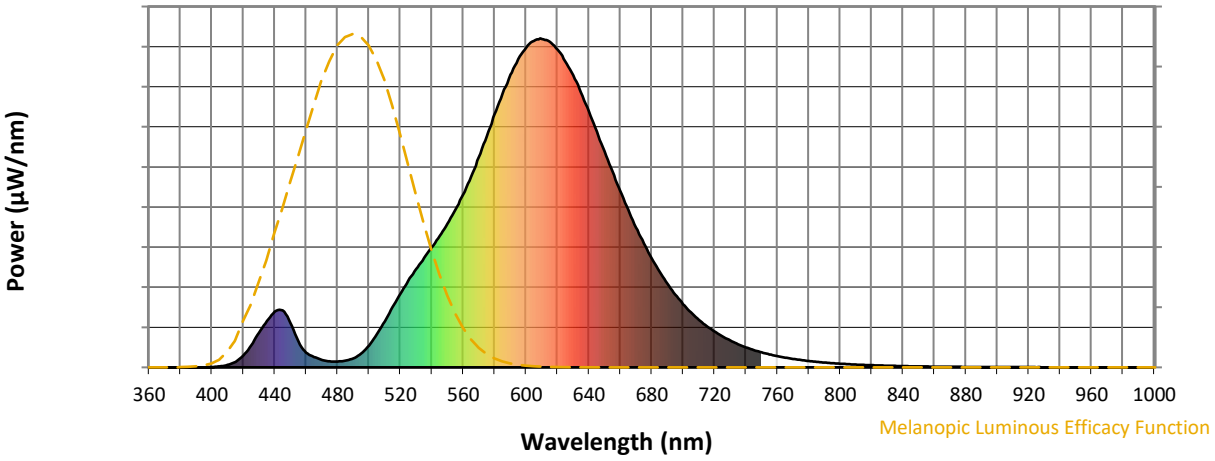


Scotopic Lumens: NR **S/P: 0.8**

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			

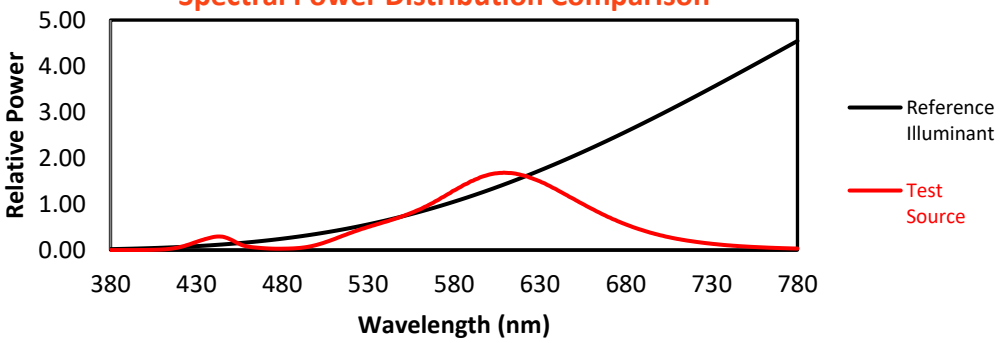
REPORT NUMBER: SP1-2407-184-2

TM-30-18

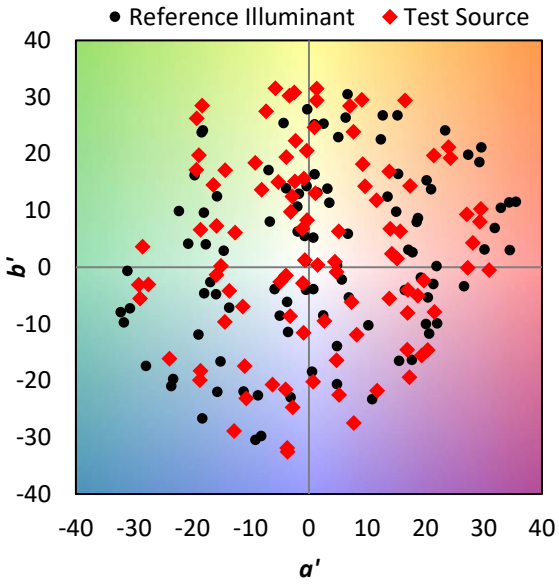
Summary

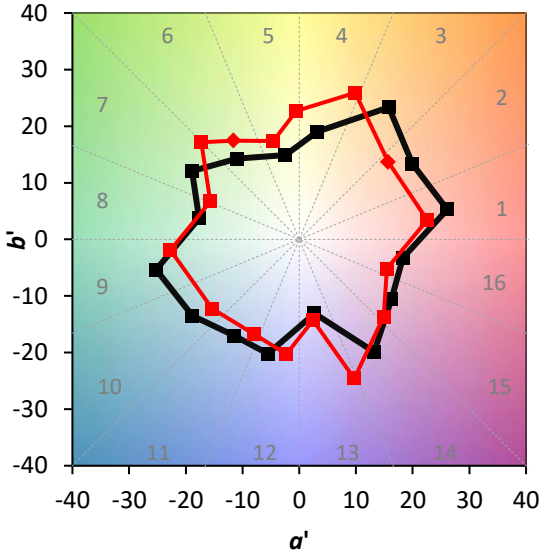
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

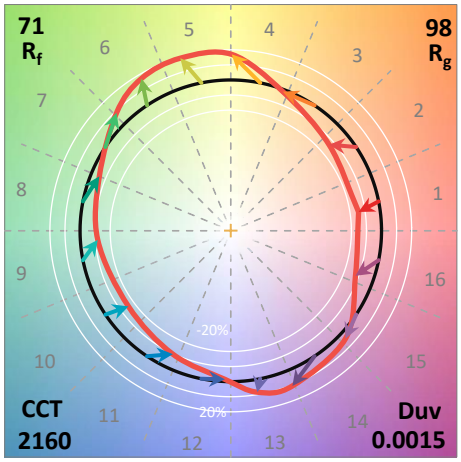
Spectral Power Distribution Comparison

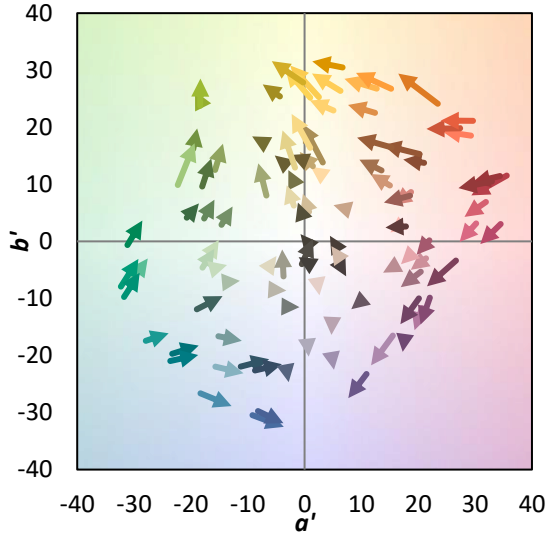


Color Vector Graphics







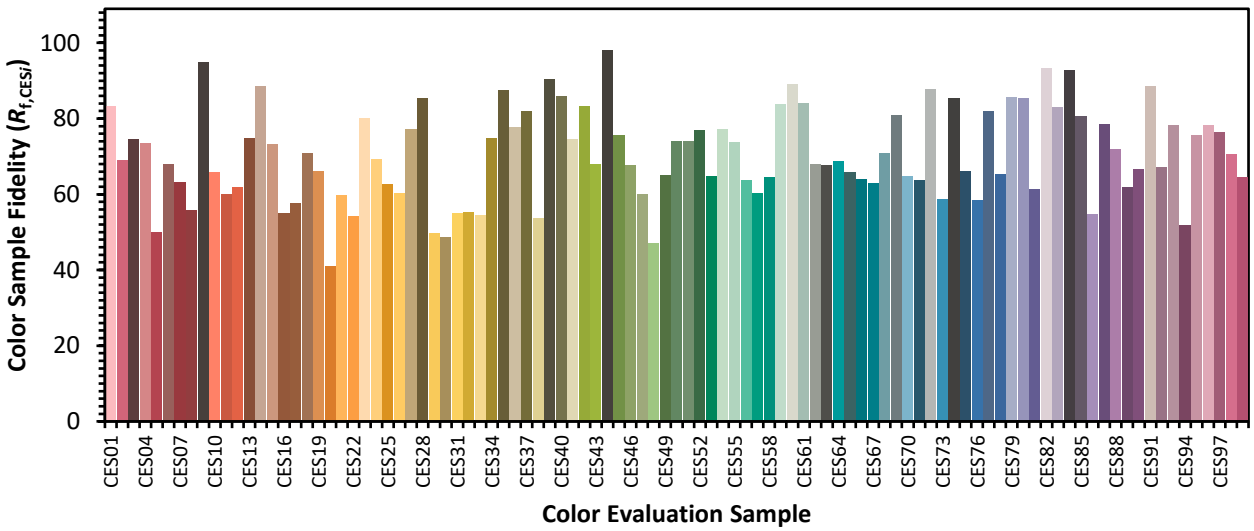


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

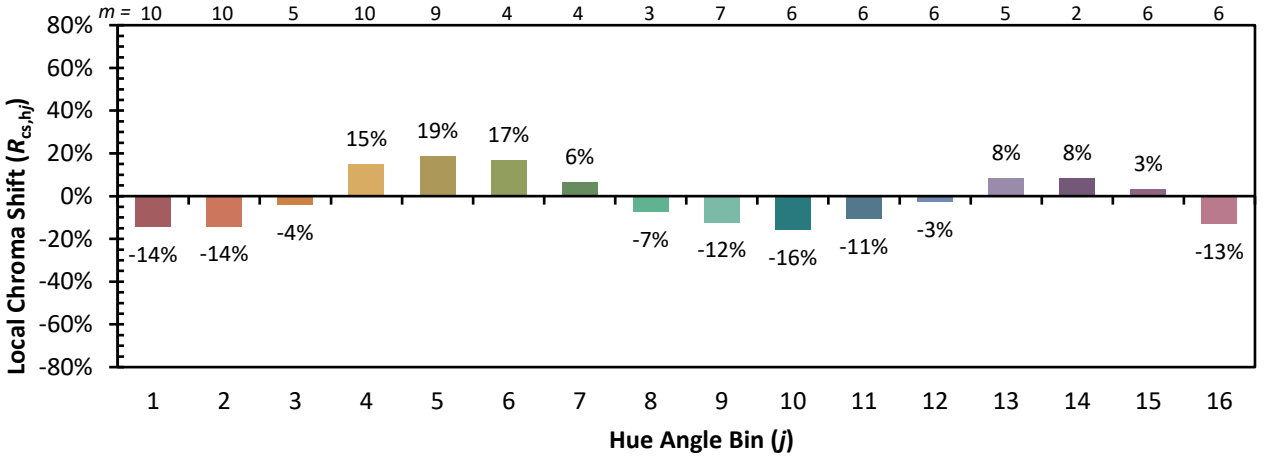
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

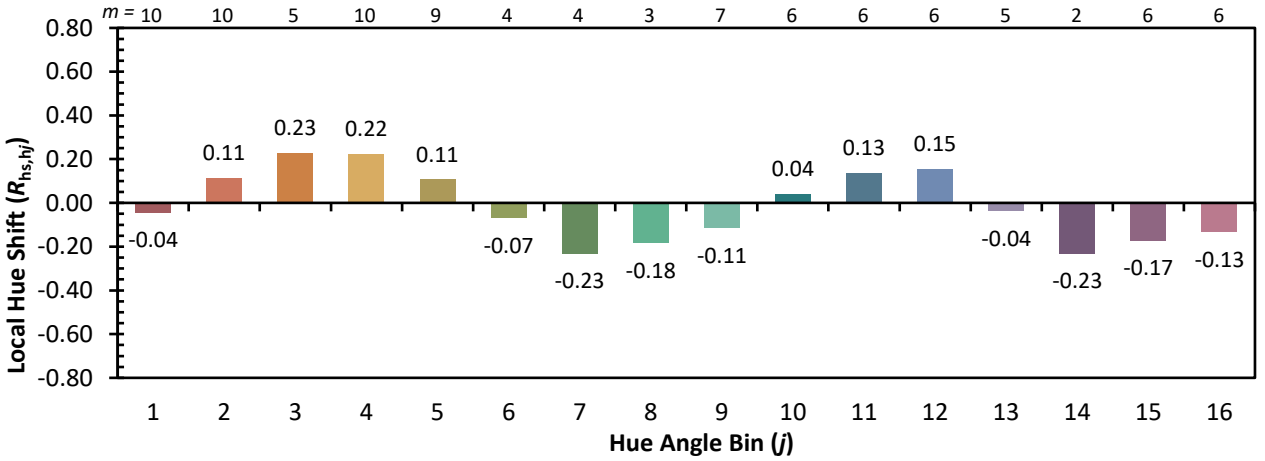


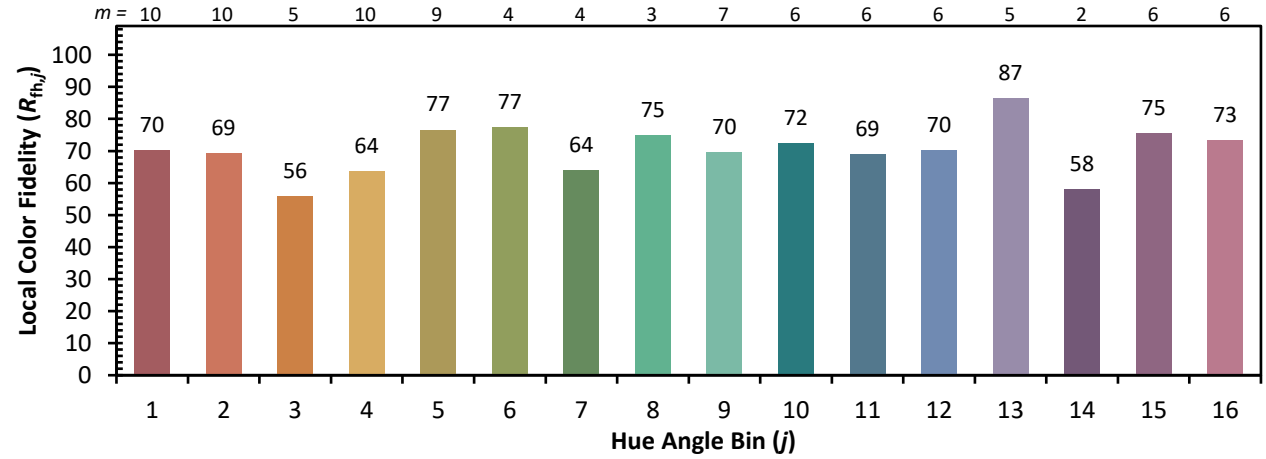
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



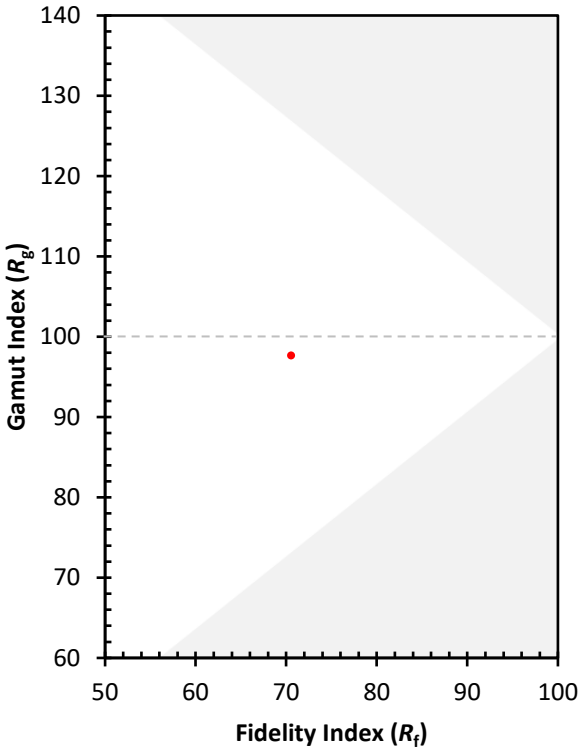


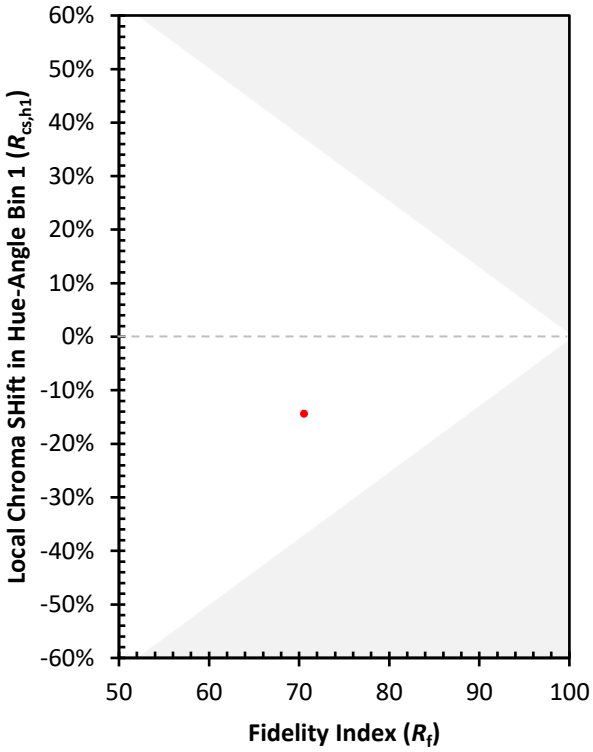


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)