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: P1365376

Luminaire Tested: **GSS-SB3B-735-U-SLL-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:	P1365376
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11932.8 lumens
Efficiency:	N/A
Efficacy:	109.5 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

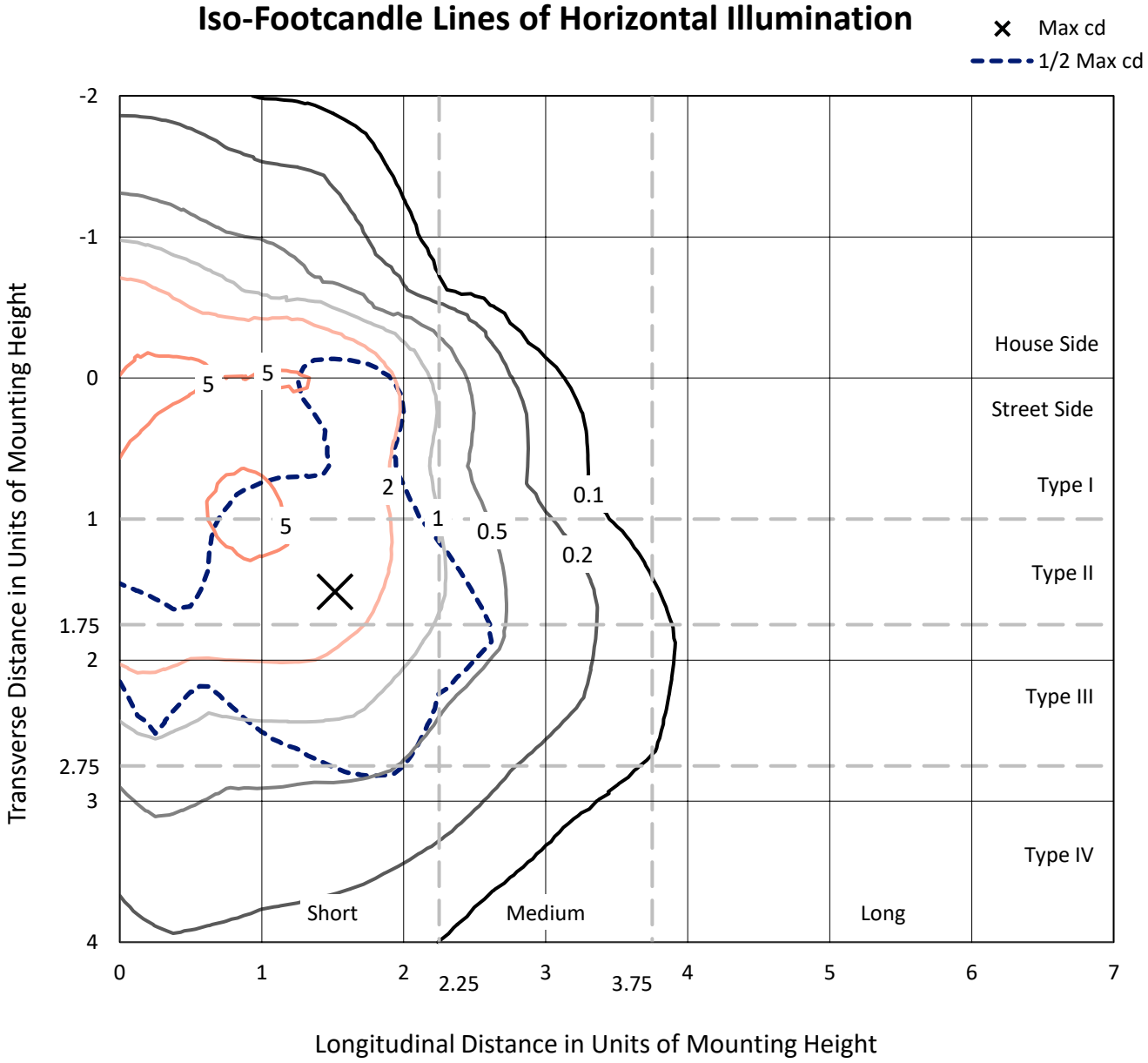
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



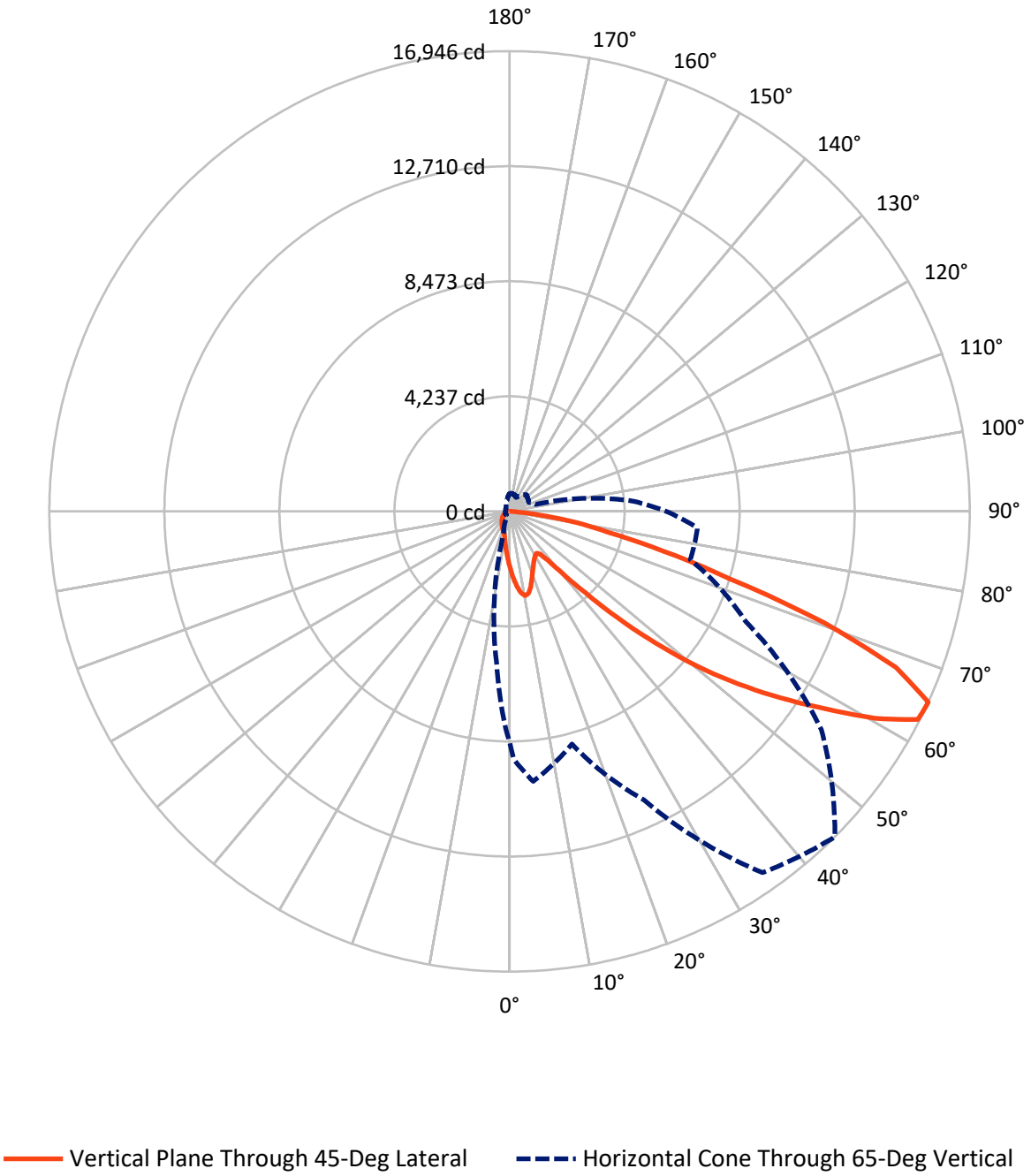
Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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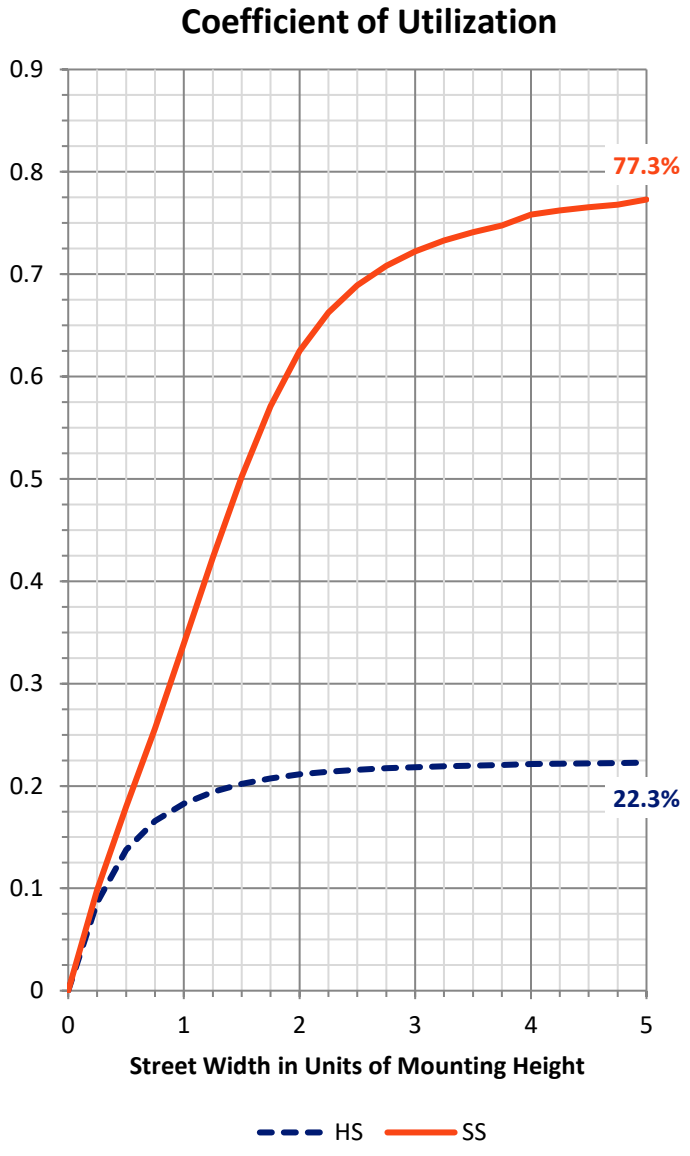
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2684.2	0.0	2684.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	9248.6	0.0	9248.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	11932.8	0.0	11932.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	1.7
10°-20°	548.0	4.6
20°-30°	784.9	6.6
30°-40°	984.5	8.3
40°-50°	1617.2	13.6
50°-60°	2919.9	24.5
60°-70°	3241.6	27.2
70°-80°	1465.3	12.3
80°-90°	173.4	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°	11932.8	100.0
0°-180°	11932.8	100.0



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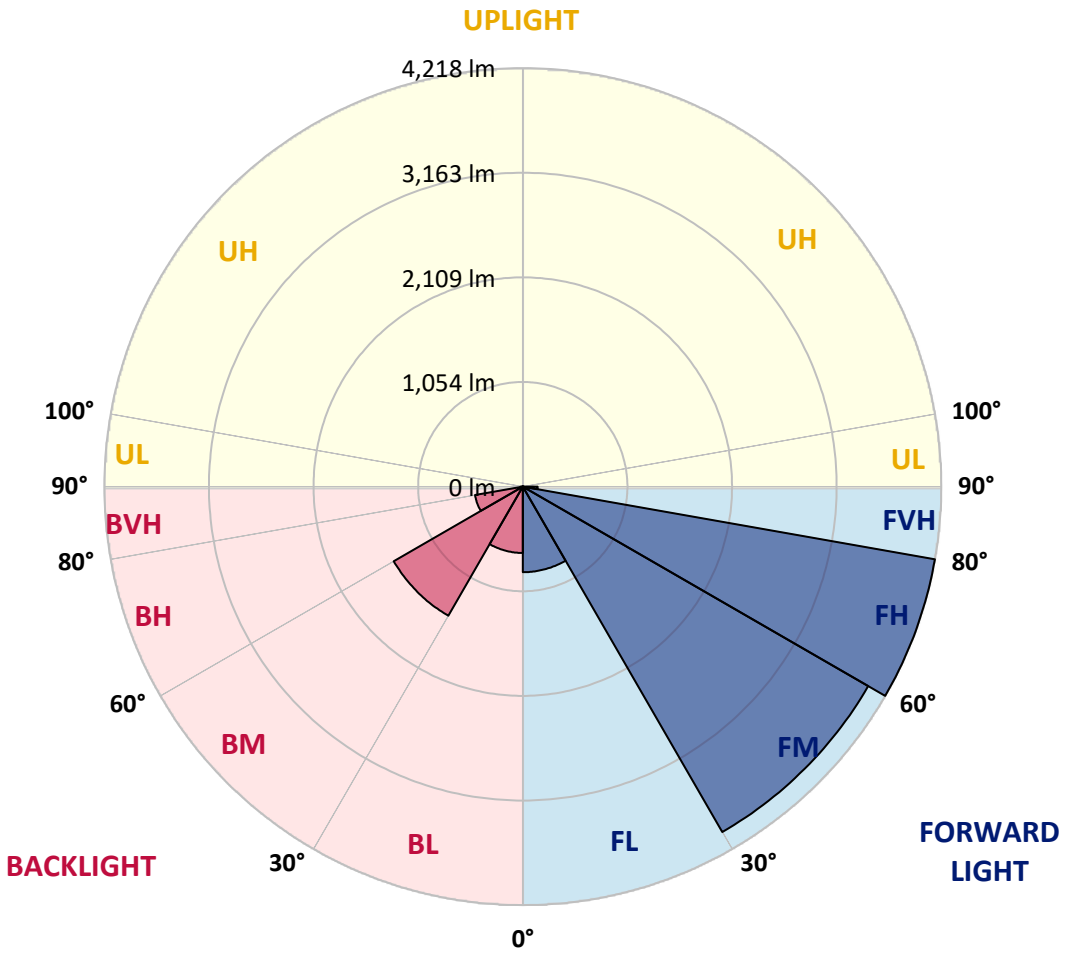
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	862.0	7.2			
FM	(30°-60°)	4019.7	33.7			
FH	(60°-80°)	4217.9	35.3			G2/5000
FVH	(80°-90°)	148.9	1.2			G2/225
BL	(0°-30°)	668.9	5.6	B2/1000		
BM	(30°-60°)	1501.9	12.6	B2/2500		
BH	(60°-80°)	488.9	4.1	B1/500		G1/500
BVH	(80°-90°)	24.5	0.2			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°	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	2270.3	2299.5	2295.9	2336.2	2372.8	2398.4	2420.4	2413.1	2394.8	2358.1	2332.5
5°	2508.3	2530.2	2566.9	2643.7	2702.3	2753.6	2746.3	2753.6	2698.7	2643.7	2577.8
7.5°	2713.3	2739.0	2790.2	2900.1	2973.3	3035.5	3028.2	3006.3	2944.0	2852.5	2753.6
10°	2841.5	2859.8	2914.7	3039.2	3123.4	3174.7	3156.4	3119.8	3039.2	2947.7	2830.5
12.5°	2896.4	2918.4	2966.0	3064.8	3119.8	3108.8	3101.5	3094.1	3053.9	2984.3	2878.1
15°	2903.7	2918.4	2955.0	2998.9	2977.0	2914.7	2900.1	2955.0	3006.3	2991.6	2903.7
17.5°	2903.7	2925.7	2933.0	2889.1	2775.6	2662.1	2647.4	2739.0	2881.8	2995.3	2944.0
20°	2914.7	2925.7	2911.1	2768.2	2555.9	2431.4	2405.7	2519.3	2731.6	2955.0	2984.3
22.5°	2929.4	2940.3	2878.1	2625.4	2376.4	2244.6	2230.0	2314.2	2563.2	2896.4	3028.2
25°	2958.7	2951.3	2856.1	2500.9	2219.0	2094.5	2072.5	2182.4	2424.0	2837.8	3101.5
27.5°	2995.3	2962.3	2826.8	2398.4	2105.5	1973.7	1959.0	2065.2	2306.9	2764.6	3163.7
30°	3042.9	3009.9	2823.2	2317.9	2021.3	1889.4	1871.1	1988.3	2226.3	2713.3	3251.6
32.5°	3108.8	3061.2	2826.8	2255.6	1973.7	1849.2	1838.2	1962.7	2193.4	2684.0	3343.1
35°	3196.7	3127.1	2841.5	2233.6	1988.3	1904.1	1929.7	2024.9	2226.3	2706.0	3493.3
37.5°	3306.5	3240.6	2914.7	2281.2	2149.4	2208.0	2273.9	2310.5	2383.8	2808.5	3734.9
40°	3489.6	3398.1	3024.6	2435.0	2581.5	2856.1	2984.3	2969.6	2801.2	3042.9	4075.5
42.5°	3745.9	3661.7	3247.9	2826.8	3302.9	3885.1	4101.1	3976.6	3467.6	3416.4	4635.7
45°	4137.7	3998.6	3548.2	3409.0	4174.3	5130.0	5617.0	5188.6	4313.5	4005.9	5434.0
47.5°	4639.4	4500.2	4016.9	3991.3	5148.4	6668.0	7246.5	6404.3	5152.0	4778.5	6389.7
50°	5444.9	5291.2	4705.3	4584.4	6224.9	8202.2	8974.8	7616.3	6005.2	5598.7	7568.7
52.5°	6550.8	6448.3	5796.5	5196.0	7187.9	9893.9	10560.3	8883.3	6664.3	6536.1	8854.0
55°	8092.4	7993.5	7217.2	5877.0	8099.7	11589.3	12127.6	10036.7	7239.2	7634.6	10197.8
57.5°	9839.0	10003.8	9161.6	6785.1	9059.0	12955.1	13705.7	11084.0	8015.5	9103.0	11691.8
60°	10977.8	11497.7	11391.6	8370.6	10549.4	14654.1	15470.7	12486.4	9150.6	10183.2	11658.9
62.5°	9989.1	10509.1	11322.0	10208.8	11984.7	16192.0	16880.4	13962.1	10278.4	9322.7	9791.4
65°	8476.8	9125.0	9981.8	8868.6	11732.1	16239.6	16946.4	14017.0	9590.0	6891.3	6942.6
67.5°	7305.1	7880.0	8934.5	7546.8	10399.2	14789.6	15346.2	12504.7	7927.6	4569.8	4529.5
70°	6096.7	6624.0	7956.9	6719.2	9110.3	12746.4	12266.7	10512.7	6700.9	3035.5	2515.6
72.5°	5196.0	5683.0	7070.7	6038.1	7228.2	10329.7	8454.9	8722.2	5452.3	1929.7	1713.7
75°	4298.8	4745.6	6012.5	5466.9	5979.6	6444.6	5844.1	6195.6	4492.9	1636.8	1321.9
77.5°	3017.2	3295.5	4218.3	4350.1	4654.0	3815.5	3705.6	4339.1	3196.7	812.9	556.6
80°	1486.7	1658.8	2200.7	2588.8	2200.7	2164.1	2468.0	2889.1	1658.8	498.0	307.6
82.5°	666.4	790.9	1014.3	1567.2	794.6	864.2	1091.2	1537.9	754.3	296.6	131.8
85°	106.2	117.2	197.7	263.6	216.0	333.2	318.6	300.3	161.1	80.6	36.6
87.5°	3.7	3.7	3.7	7.3	11.0	14.6	18.3	18.3	18.3	18.3	18.3
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°	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	2325.2	2314.2	2259.3	2204.3	2156.7	2109.1	2061.5	1995.6	1944.4	1900.4	1882.1
5°	2544.9	2486.3	2402.1	2310.5	2230.0	2138.4	2050.6	1951.7	1871.1	1786.9	1743.0
7.5°	2695.0	2636.4	2497.3	2358.1	2259.3	2160.4	2068.9	1959.0	1852.8	1732.0	1666.1
10°	2764.6	2698.7	2548.5	2387.4	2266.6	2167.7	2083.5	1992.0	1885.8	1735.6	1647.8
12.5°	2812.2	2731.6	2559.5	2394.8	2273.9	2171.4	2090.8	2024.9	1962.7	1816.2	1713.7
15°	2841.5	2768.2	2588.8	2398.4	2262.9	2142.1	2065.2	2043.2	2054.2	1984.6	1860.1
17.5°	2885.4	2815.8	2625.4	2420.4	2244.6	2079.8	1995.6	2043.2	2142.1	2164.1	2065.2
20°	2944.0	2870.8	2673.0	2438.7	2189.7	1962.7	1882.1	2003.0	2167.7	2281.2	2226.3
22.5°	3009.9	2951.3	2728.0	2457.0	2109.1	1808.9	1772.3	1918.7	2094.5	2241.0	2244.6
25°	3090.5	3035.5	2804.9	2475.3	1999.3	1677.1	1684.4	1808.9	1948.0	2098.2	2123.8
27.5°	3200.3	3149.1	2900.1	2497.3	1885.8	1570.9	1607.5	1699.0	1794.2	1885.8	1922.4
30°	3321.2	3280.9	3013.6	2541.2	1779.6	1508.6	1530.6	1592.8	1669.7	1724.7	1743.0
32.5°	3485.9	3420.0	3119.8	2537.6	1699.0	1479.3	1457.4	1475.7	1537.9	1592.8	1596.5
35°	3691.0	3639.7	3229.6	2471.6	1625.8	1464.7	1387.8	1376.8	1413.4	1468.3	1464.7
37.5°	3991.3	3947.3	3409.0	2369.1	1534.3	1428.1	1314.6	1277.9	1303.6	1340.2	1351.2
40°	4441.6	4328.1	3614.1	2255.6	1442.7	1362.2	1226.7	1175.4	1193.7	1234.0	1241.3
42.5°	5053.1	4837.1	3888.7	2101.8	1354.8	1263.3	1138.8	1083.9	1094.8	1131.5	1138.8
45°	5836.8	5510.9	4265.9	1940.7	1285.3	1160.8	1047.2	988.7	999.6	1039.9	1058.2
47.5°	6752.2	6305.4	4661.3	1768.6	1245.0	1080.2	955.7	911.8	937.4	977.7	985.0
50°	7832.4	7382.0	4914.0	1629.5	1219.3	1018.0	871.5	853.2	886.1	919.1	926.4
52.5°	9011.4	8370.6	4752.9	1515.9	1197.4	996.0	812.9	820.2	845.9	878.8	889.8
55°	10157.6	8733.2	4218.3	1369.5	1171.7	1010.6	769.0	787.3	820.2	845.9	853.2
57.5°	10904.5	8429.2	3398.1	1215.7	1142.5	1021.6	747.0	761.6	798.3	827.5	831.2
60°	10252.8	7762.8	2544.9	1083.9	1080.2	1003.3	739.7	717.7	769.0	794.6	798.3
62.5°	8399.9	6349.4	1625.8	959.4	963.0	963.0	736.0	644.5	710.4	732.3	728.7
65°	*5770.8*	*4489.2*	*1007.0*	*783.6*	*820.2*	*875.1*	*714.0*	*567.6*	*644.5*	*666.4*	*659.1*
67.5°	3793.5	2852.5	622.5	604.2	673.8	758.0	670.1	509.0	578.5	593.2	571.2
70°	2057.9	1343.8	410.1	395.5	527.3	596.9	567.6	457.7	516.3	530.9	509.0
72.5°	1358.5	772.6	289.3	289.3	413.8	417.4	465.0	410.1	457.7	472.4	450.4
75°	1021.6	498.0	201.4	223.4	263.6	325.9	333.2	344.2	388.1	406.4	384.5
77.5°	468.7	183.1	120.8	164.8	183.1	249.0	212.4	256.3	289.3	296.6	278.3
80°	271.0	102.5	80.6	106.2	117.2	205.1	124.5	153.8	205.1	216.0	194.1
82.5°	113.5	51.3	54.9	65.9	69.6	113.5	87.9	98.9	135.5	131.8	117.2
85°	33.0	33.0	36.6	40.3	40.3	65.9	62.2	58.6	62.2	62.2	51.3
87.5°	22.0	22.0	22.0	25.6	25.6	29.3	33.0	36.6	36.6	36.6	33.0
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°	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	1856.5	1823.5	1775.9	1768.6	1743.0	1724.7	1743.0	1761.3	1794.2	1797.9	1812.5
5°	1702.7	1625.8	1567.2	1501.3	1468.3	1464.7	1457.4	1479.3	1526.9	1556.2	1578.2
7.5°	1600.2	1461.0	1358.5	1266.9	1234.0	1208.4	1230.3	1226.7	1288.9	1314.6	1336.5
10°	1545.2	1351.2	1197.4	1083.9	1039.9	1014.3	1010.6	1018.0	1054.6	1080.2	1105.8
12.5°	1581.9	1307.2	1080.2	948.4	900.8	871.5	845.9	845.9	853.2	886.1	897.1
15°	1702.7	1332.9	1025.3	882.5	820.2	772.6	739.7	714.0	717.7	721.4	732.3
17.5°	1878.5	1398.8	1007.0	842.2	776.3	717.7	684.7	655.4	648.1	648.1	644.5
20°	2046.9	1450.0	992.3	809.2	725.0	673.8	644.5	618.8	607.8	607.8	607.8
22.5°	2116.5	1494.0	974.0	769.0	673.8	626.2	600.5	582.2	578.5	578.5	574.9
25°	2061.5	1479.3	952.0	728.7	626.2	589.5	567.6	549.3	545.6	549.3	545.6
27.5°	1889.4	1428.1	922.7	695.7	589.5	556.6	538.3	520.0	516.3	520.0	520.0
30°	1706.4	1340.2	875.1	670.1	560.2	523.6	505.3	487.0	487.0	490.7	494.3
32.5°	1559.9	1252.3	820.2	637.1	527.3	494.3	476.0	457.7	457.7	465.0	465.0
35°	1435.4	1182.7	765.3	604.2	498.0	461.4	446.7	432.1	428.4	435.7	439.4
37.5°	1336.5	1120.5	706.7	571.2	468.7	435.7	421.1	402.8	399.1	406.4	413.8
40°	1234.0	1050.9	655.4	530.9	439.4	406.4	391.8	369.8	369.8	377.2	384.5
42.5°	1135.1	988.7	622.5	494.3	410.1	373.5	358.8	340.5	340.5	347.9	355.2
45°	1054.6	930.1	604.2	457.7	377.2	344.2	325.9	311.2	314.9	322.2	329.6
47.5°	977.7	867.8	607.8	439.4	355.2	311.2	292.9	282.0	289.3	300.3	307.6
50°	919.1	823.9	611.5	410.1	325.9	285.6	267.3	260.0	271.0	282.0	289.3
52.5°	882.5	779.9	589.5	373.5	303.9	260.0	249.0	249.0	260.0	267.3	274.6
55°	845.9	706.7	541.9	333.2	282.0	241.7	234.3	234.3	245.3	252.7	256.3
57.5°	816.6	629.8	487.0	300.3	256.3	223.4	223.4	223.4	227.0	230.7	238.0
60°	761.6	549.3	417.4	274.6	230.7	208.7	205.1	205.1	201.4	205.1	216.0
62.5°	666.4	461.4	355.2	245.3	208.7	190.4	186.7	175.8	164.8	168.4	175.8
65°	*563.9*	*366.2*	*296.6*	*212.4*	*179.4*	*168.4*	*164.8*	*146.5*	*131.8*	*135.5*	*146.5*
67.5°	450.4	274.6	249.0	183.1	153.8	142.8	142.8	131.8	120.8	120.8	128.2
70°	351.5	230.7	186.7	146.5	120.8	120.8	128.2	117.2	102.5	102.5	113.5
72.5°	285.6	186.7	150.1	113.5	95.2	102.5	106.2	95.2	84.2	84.2	91.5
75°	223.4	146.5	117.2	84.2	73.2	76.9	84.2	76.9	65.9	69.6	73.2
77.5°	153.8	98.9	76.9	62.2	54.9	58.6	58.6	54.9	51.3	51.3	54.9
80°	102.5	65.9	51.3	43.9	40.3	40.3	36.6	36.6	40.3	40.3	43.9
82.5°	73.2	47.6	40.3	33.0	25.6	25.6	29.3	29.3	33.0	33.0	36.6
85°	43.9	33.0	29.3	22.0	18.3	22.0	22.0	25.6	29.3	29.3	33.0
87.5°	33.0	25.6	22.0	18.3	14.6	14.6	18.3	18.3	22.0	25.6	25.6
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: P1365376
CATALOG NUMBER: GSS-SB3B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	1849.2	1893.1	1955.3	2010.3	2076.2	2142.1	2204.3	2262.9	2266.6	2270.3
5°	1647.8	1735.6	1838.2	1962.7	2094.5	2222.7	2358.1	2468.0	2493.6	2508.3
7.5°	1424.4	1552.6	1710.0	1885.8	2083.5	2281.2	2471.6	2636.4	2698.7	2713.3
10°	1190.1	1347.5	1537.9	1764.9	2032.2	2295.9	2552.2	2753.6	2826.8	2841.5
12.5°	981.3	1109.5	1329.2	1603.8	1926.1	2273.9	2581.5	2804.9	2878.1	2896.4
15°	801.9	922.7	1127.8	1417.1	1779.6	2197.0	2559.5	2815.8	2889.1	2903.7
17.5°	662.8	739.7	926.4	1241.3	1647.8	2098.2	2530.2	2823.2	2892.7	2903.7
20°	607.8	622.5	721.4	1028.9	1508.6	2024.9	2511.9	2834.2	2903.7	2914.7
22.5°	582.2	582.2	604.2	783.6	1314.6	1948.0	2504.6	2867.1	2918.4	2929.4
25°	556.6	556.6	563.9	615.2	1083.9	1852.8	2519.3	2925.7	2958.7	2958.7
27.5°	530.9	530.9	538.3	549.3	805.6	1695.4	2522.9	2991.6	3006.3	2995.3
30°	505.3	512.6	512.6	520.0	593.2	1497.6	2500.9	3064.8	3064.8	3042.9
32.5°	479.7	483.3	490.7	494.3	516.3	1241.3	2464.3	3156.4	3138.1	3108.8
35°	457.7	461.4	461.4	468.7	490.7	992.3	2424.0	3280.9	3229.6	3196.7
37.5°	428.4	432.1	435.7	443.1	465.0	787.3	2365.5	3387.1	3350.5	3306.5
40°	402.8	406.4	410.1	417.4	439.4	677.4	2292.2	3548.2	3540.9	3489.6
42.5°	373.5	380.8	384.5	388.1	417.4	618.8	2241.0	3808.2	3808.2	3745.9
45°	347.9	355.2	355.2	362.5	402.8	567.6	2354.5	4167.0	4196.3	4137.7
47.5°	325.9	329.6	329.6	333.2	380.8	523.6	2658.4	4716.3	4679.7	4639.4
50°	303.9	311.2	303.9	307.6	362.5	549.3	3160.0	5419.3	5514.5	5444.9
52.5°	289.3	292.9	278.3	278.3	336.9	582.2	3570.2	6316.4	6635.0	6550.8
55°	271.0	274.6	256.3	256.3	296.6	505.3	3595.8	7338.0	8037.4	8092.4
57.5°	252.7	252.7	238.0	234.3	256.3	410.1	3189.3	8129.0	9714.5	9839.0
60°	230.7	227.0	219.7	212.4	234.3	377.2	2431.4	8022.8	10545.7	10977.8
62.5°	197.7	205.1	201.4	186.7	212.4	351.5	1585.5	6942.6	9608.3	9989.1
65°	*164.8*	*175.8*	*175.8*	*164.8*	*234.3*	*307.6*	*834.9*	*5558.5*	*8019.1*	*8476.8*
67.5°	146.5	153.8	150.1	142.8	208.7	194.1	402.8	4262.2	6865.7	7305.1
70°	128.2	135.5	124.5	117.2	168.4	139.1	238.0	2852.5	5668.3	6096.7
72.5°	106.2	113.5	102.5	91.5	124.5	106.2	157.5	1856.5	4719.9	5196.0
75°	87.9	91.5	84.2	73.2	91.5	84.2	109.9	1212.0	3947.3	4298.8
77.5°	62.2	69.6	65.9	54.9	65.9	58.6	76.9	692.1	2753.6	3017.2
80°	47.6	47.6	47.6	43.9	40.3	40.3	51.3	311.2	1336.5	1486.7
82.5°	40.3	40.3	36.6	33.0	29.3	25.6	29.3	91.5	629.8	666.4
85°	36.6	29.3	25.6	22.0	18.3	11.0	11.0	25.6	128.2	106.2
87.5°	22.0	18.3	14.6	7.3	3.7	3.7	0.0	3.7	3.7	3.7
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

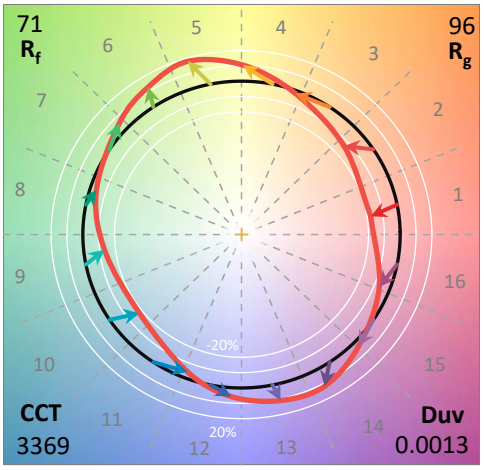
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

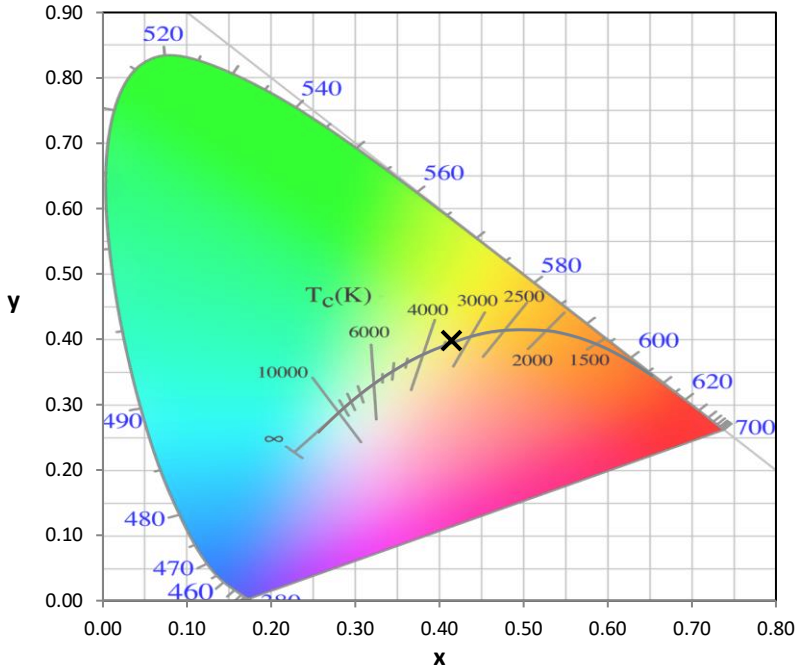
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

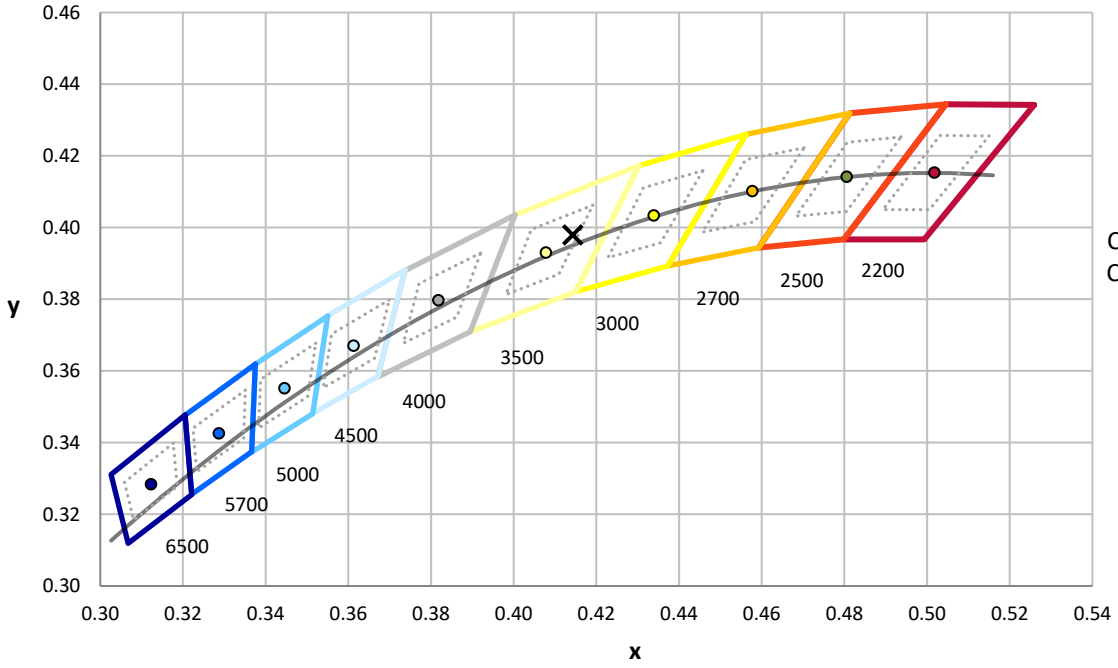
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

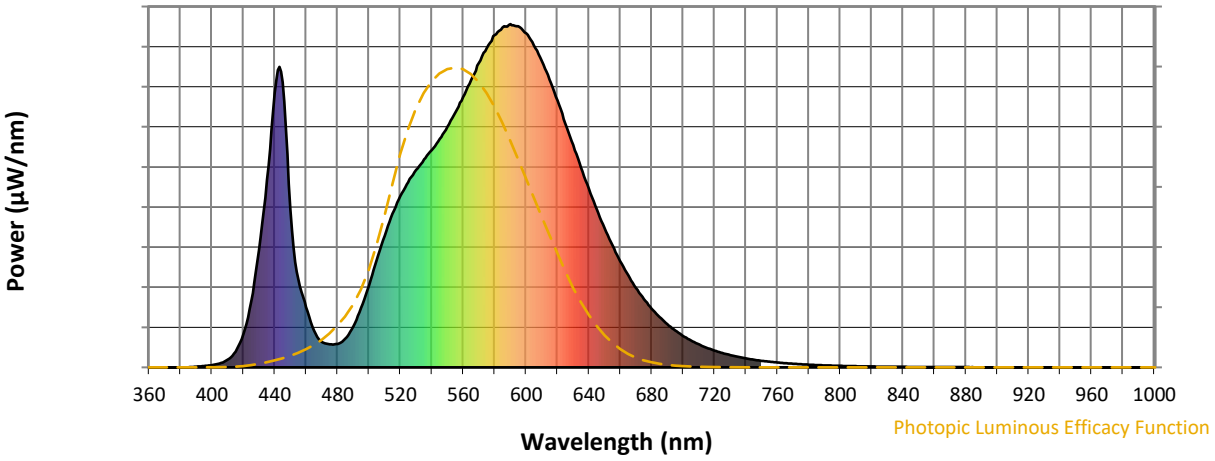


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

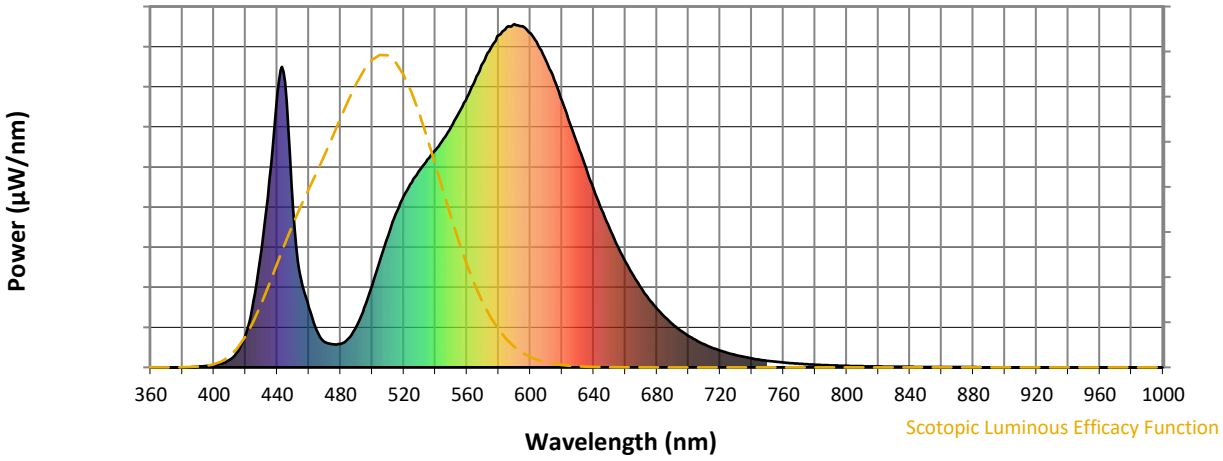


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

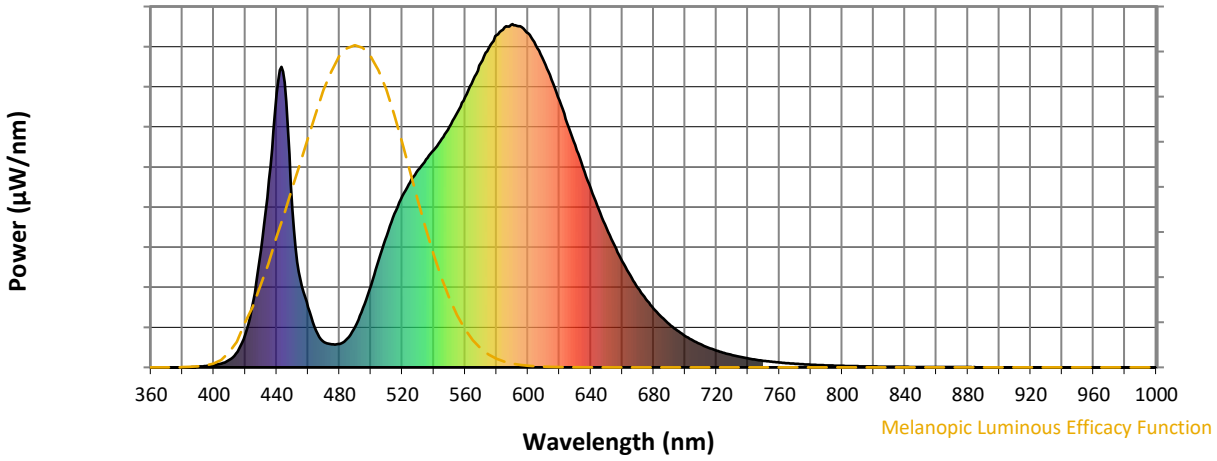


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

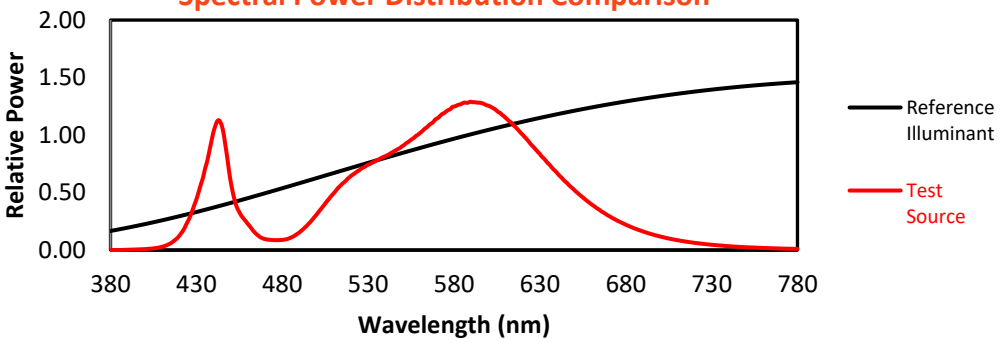
REPORT NUMBER: SP1-2407-184-5

TM-30-18

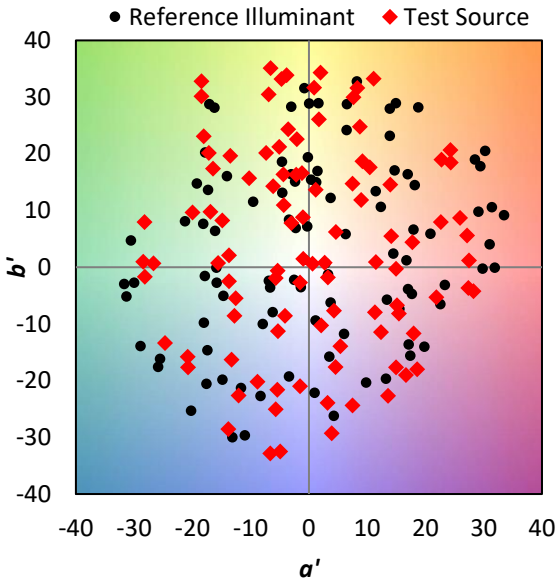
Summary

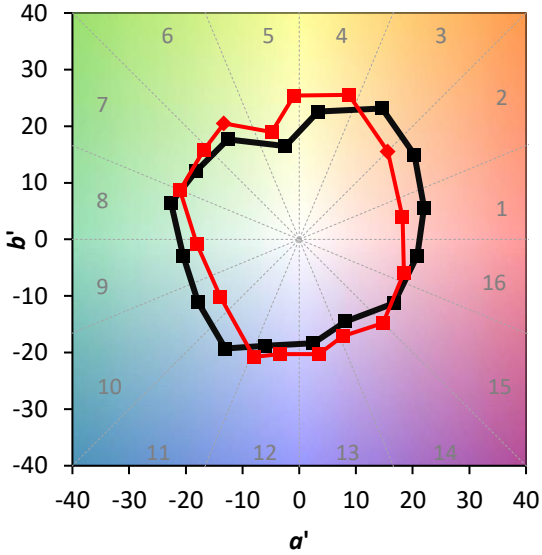
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

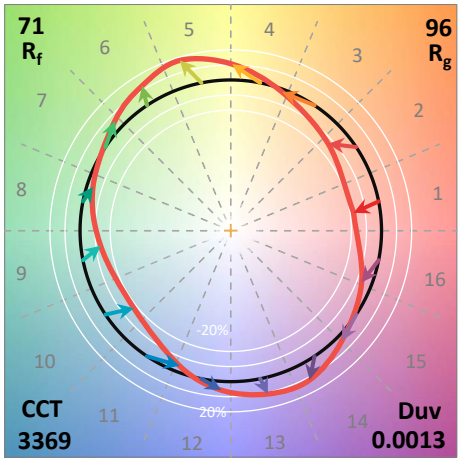
Spectral Power Distribution Comparison

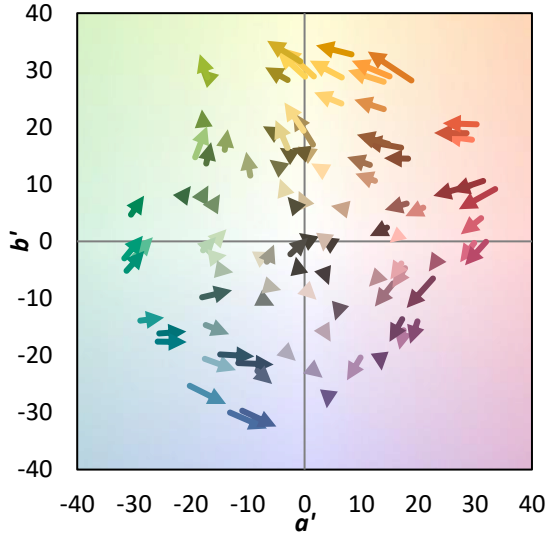


Color Vector Graphics







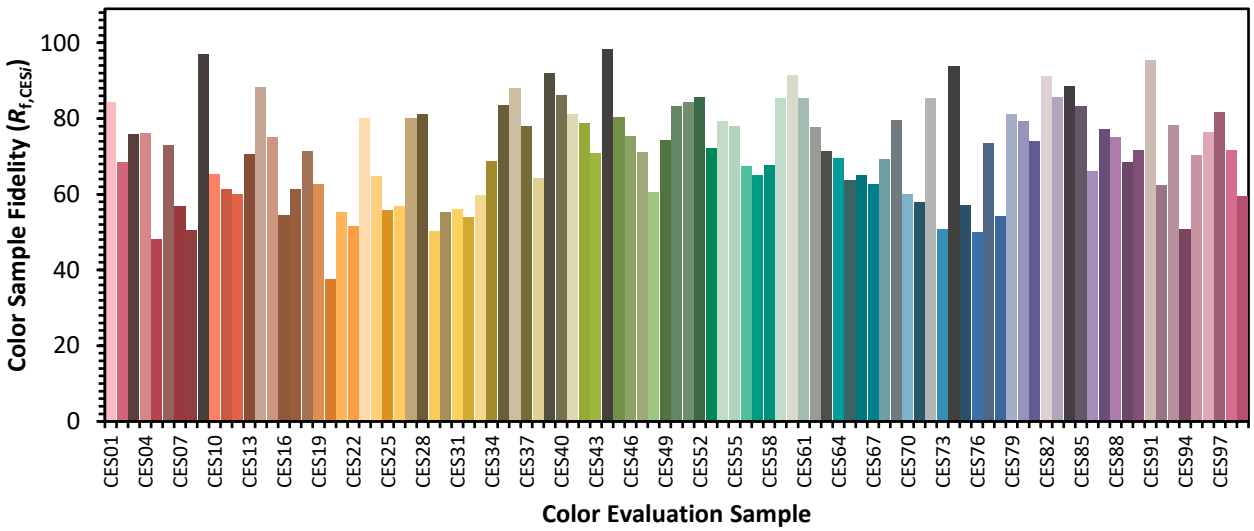


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

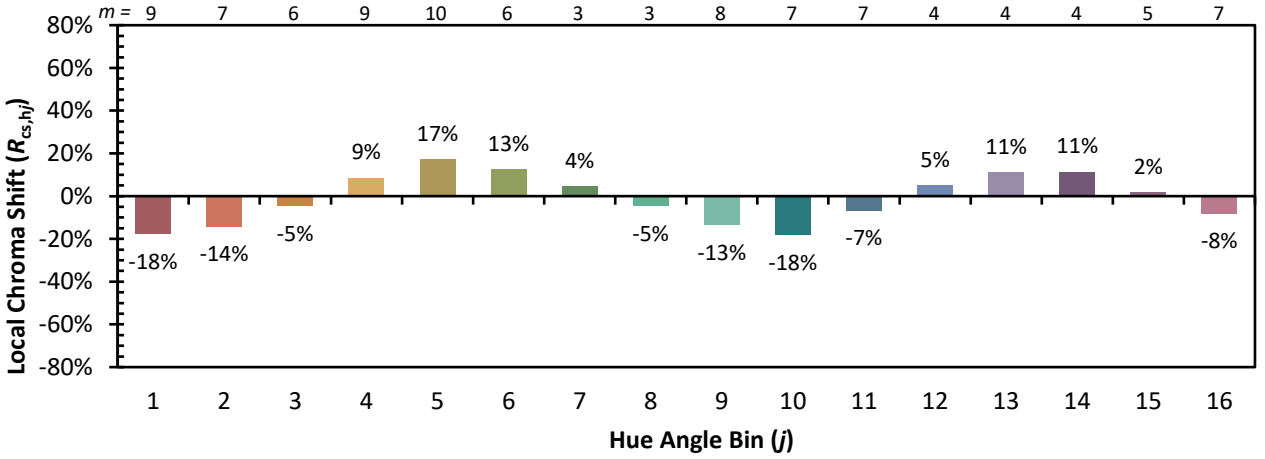
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

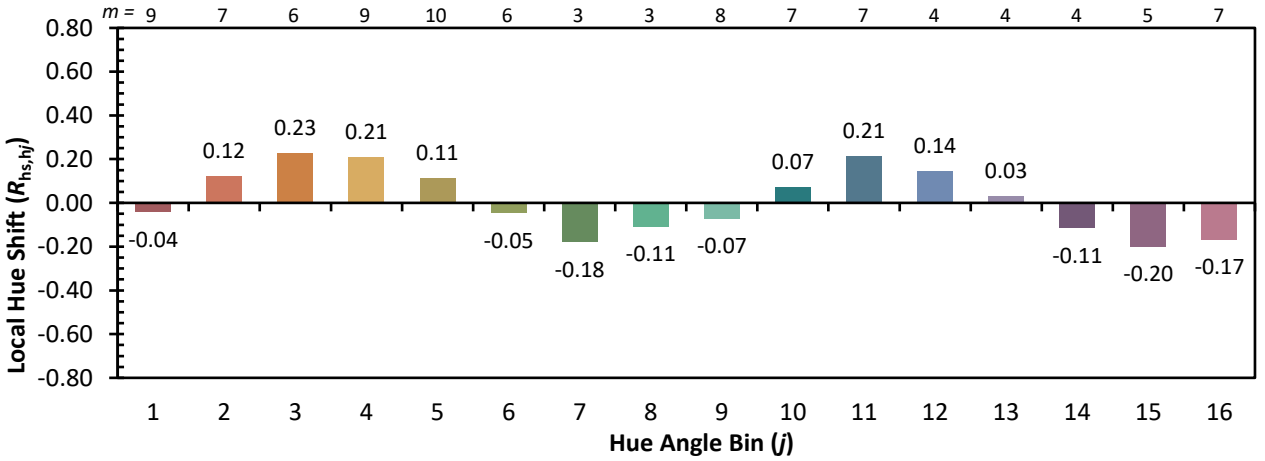


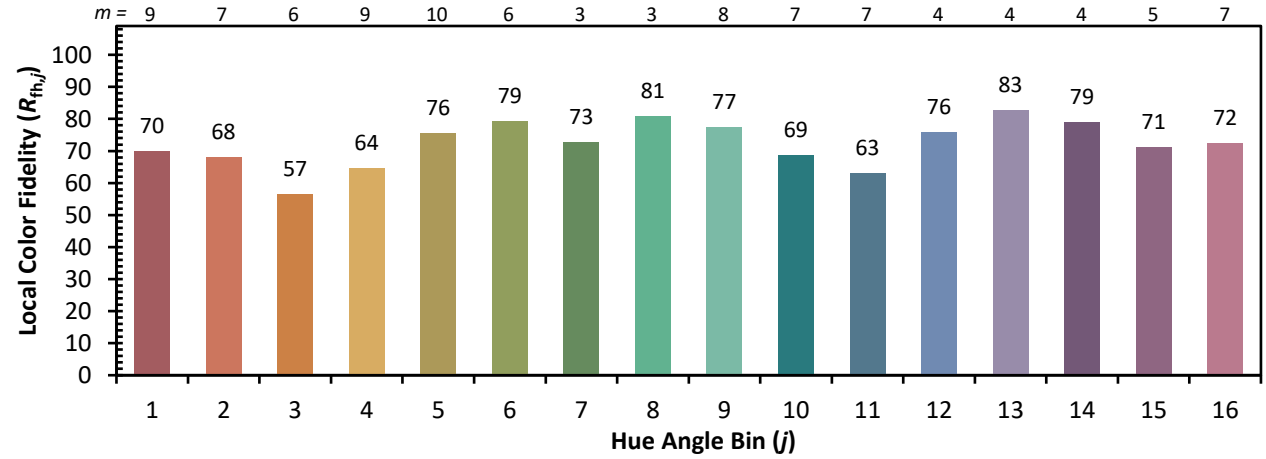
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Color Rendition by Hue-Angle Bin



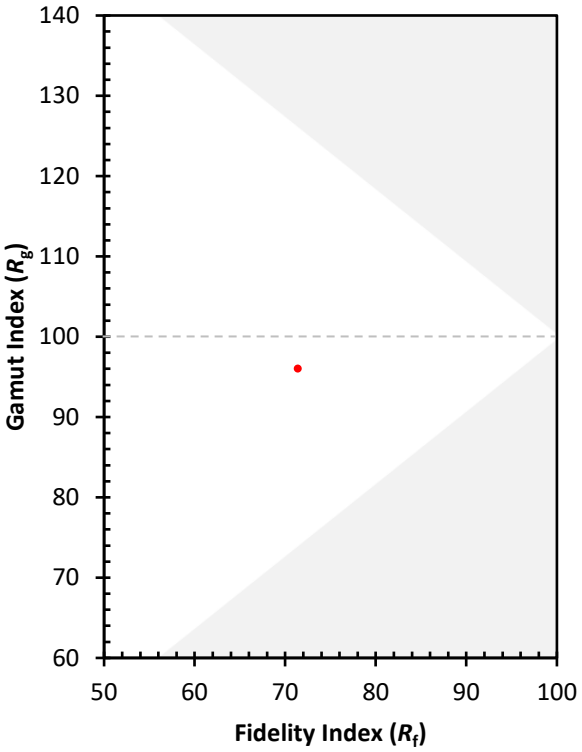


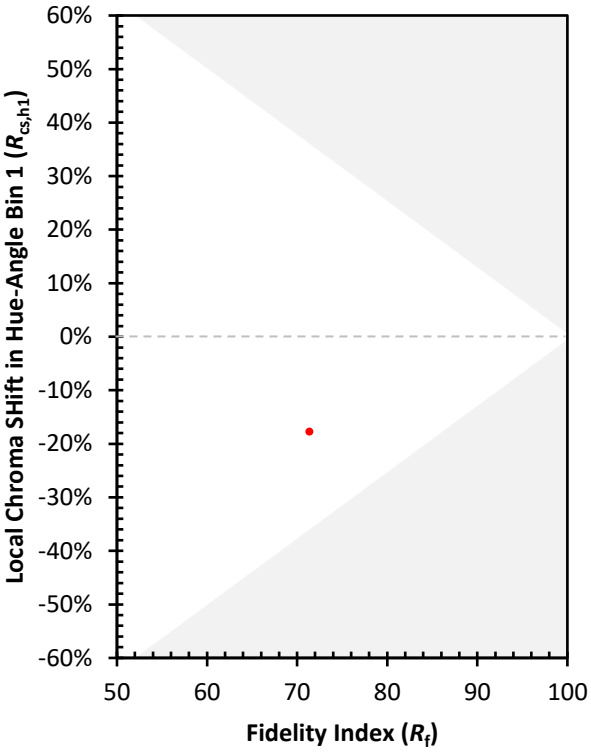


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Measure Comparisons





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