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: P1365379

Luminaire Tested: **GSS-SB4A-735-U-SLL-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:	P1365379
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13167.4 lumens
Efficiency:	N/A
Efficacy:	115.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

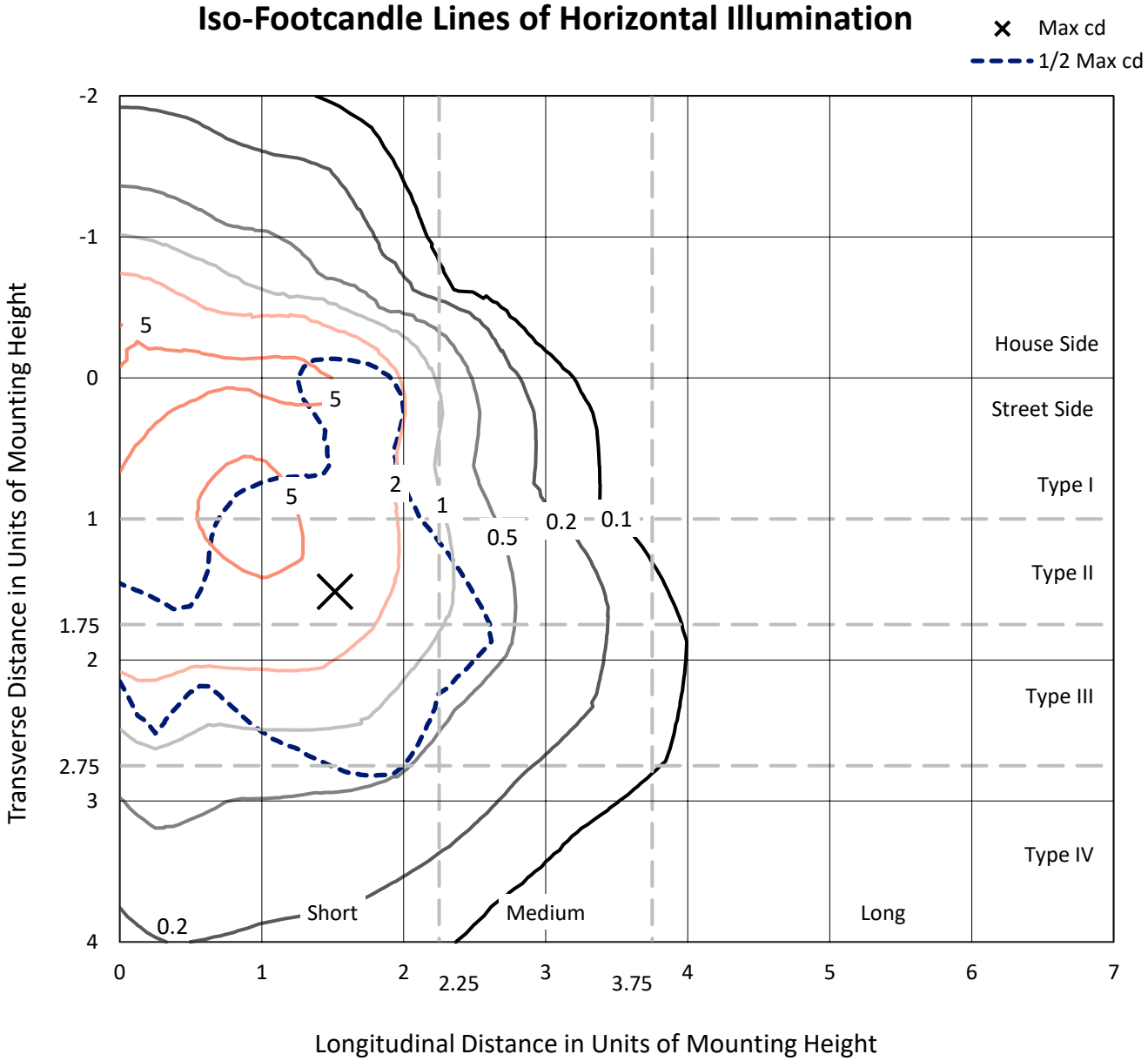
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



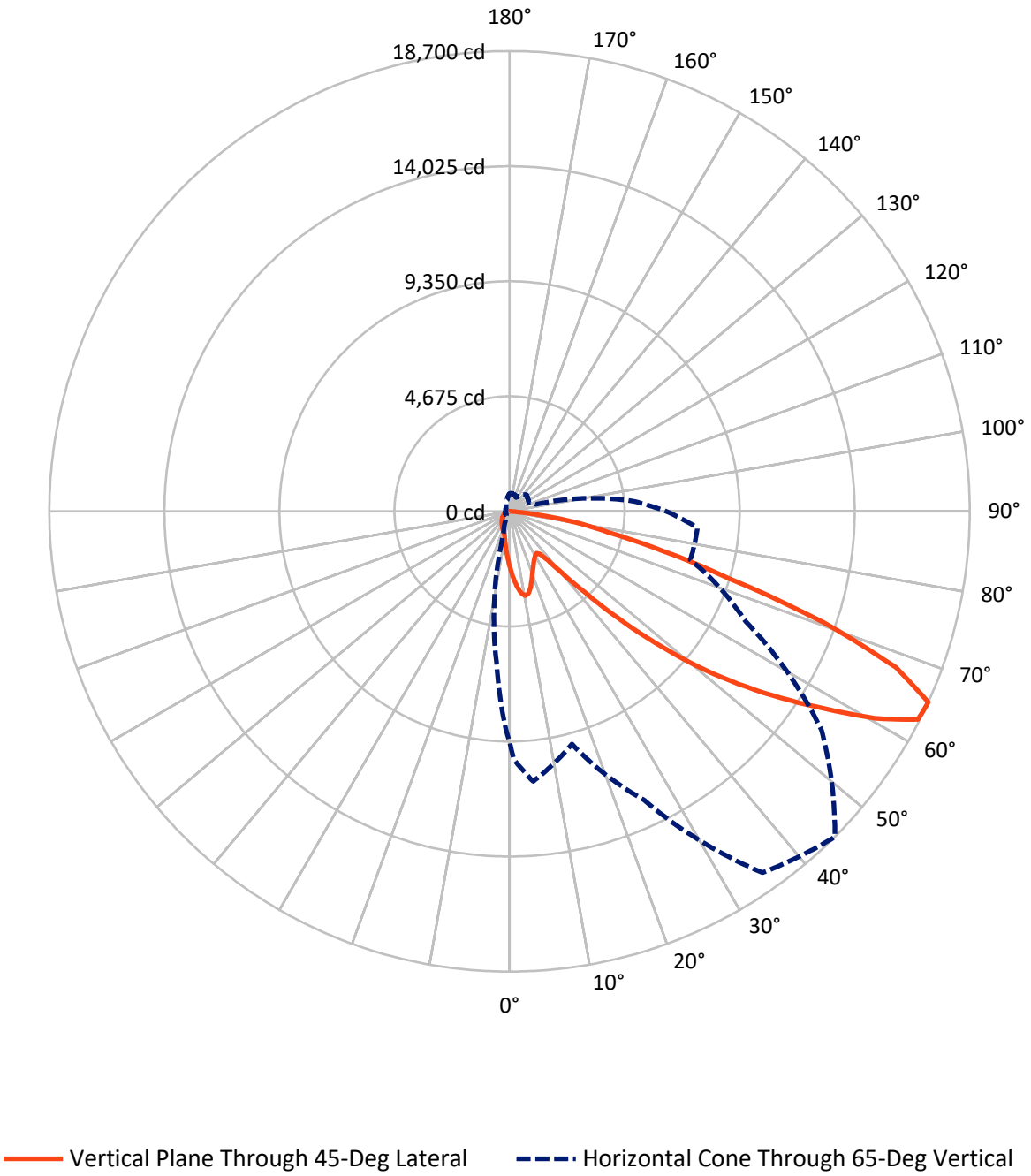
Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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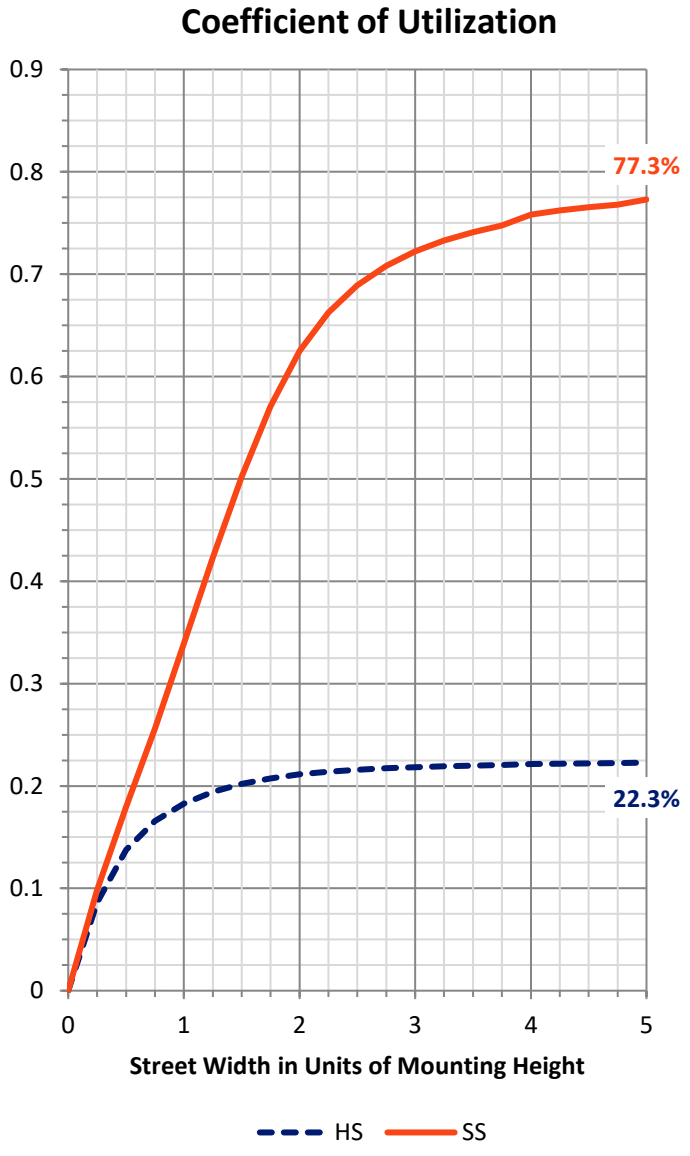
REPORT NUMBER: P1365379
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2962.0	0.0	2962.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10205.4	0.0	10205.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	13167.4	0.0	13167.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	1.7
10°-20°	604.6	4.6
20°-30°	866.1	6.6
30°-40°	1086.4	8.3
40°-50°	1784.5	13.6
50°-60°	3222.0	24.5
60°-70°	3577.0	27.2
70°-80°	1616.8	12.3
80°-90°	191.4	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°	13167.4	100.0
0°-180°	13167.4	100.0



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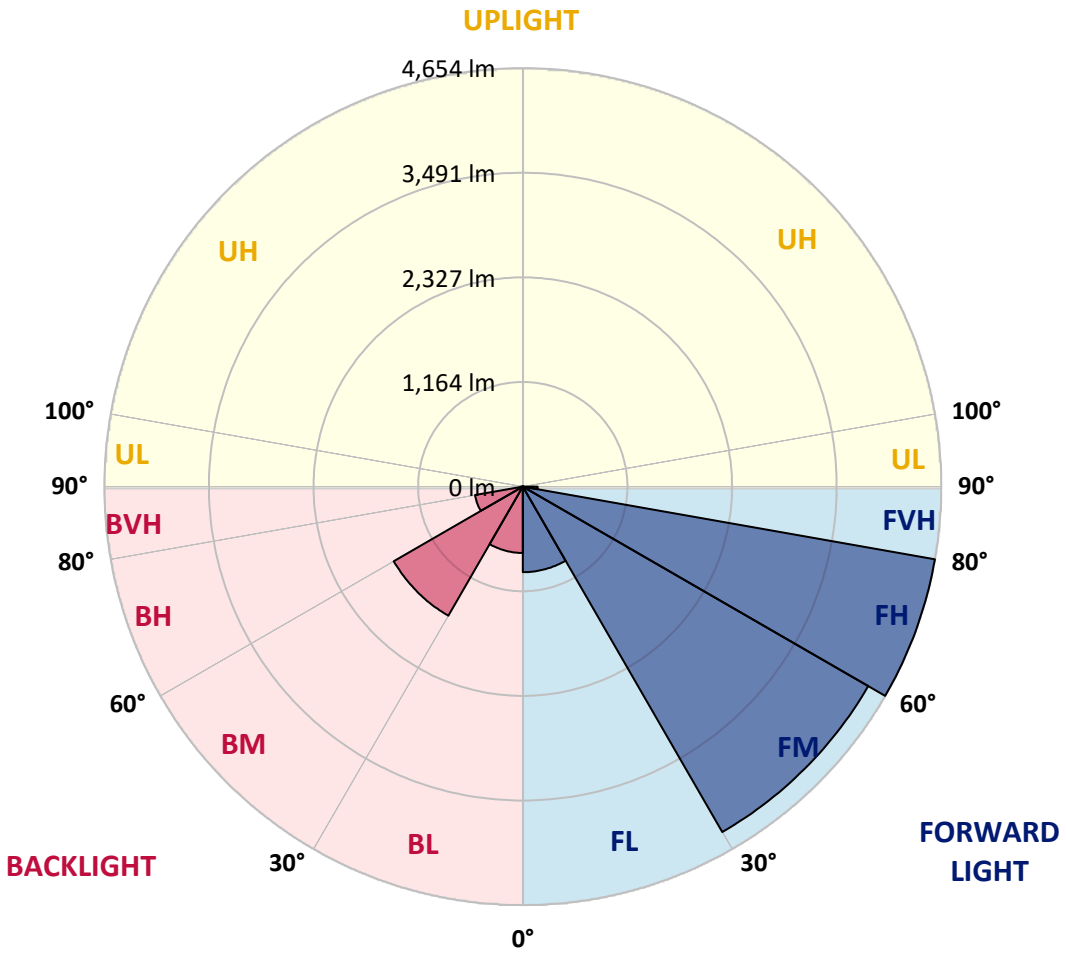
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	951.2	7.2			
FM	(30°-60°)	4435.6	33.7			
FH	(60°-80°)	4654.3	35.3			G2/5000
FVH	(80°-90°)	164.3	1.2			G2/225
BL	(0°-30°)	738.1	5.6	B2/1000		
BM	(30°-60°)	1657.3	12.6	B2/2500		
BH	(60°-80°)	539.5	4.1	B2/1000		G2/1000
BVH	(80°-90°)	27.0	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°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2505.1	2537.5	2533.4	2577.9	2618.3	2646.6	2670.8	2662.7	2642.5	2602.1	2573.8
5°	2767.8	2792.0	2832.4	2917.3	2981.9	3038.5	3030.4	3038.5	2977.9	2917.3	2844.5
7.5°	2994.0	3022.3	3078.9	3200.1	3280.9	3349.6	3341.5	3317.3	3248.6	3147.6	3038.5
10°	3135.5	3155.7	3216.3	3353.7	3446.6	3503.2	3482.9	3442.5	3353.7	3252.6	3123.3
12.5°	3196.1	3220.3	3272.8	3381.9	3442.5	3430.4	3422.3	3414.3	3369.8	3293.0	3175.9
15°	3204.2	3220.3	3260.7	3309.2	3285.0	3216.3	3200.1	3260.7	3317.3	3301.1	3204.2
17.5°	3204.2	3228.4	3236.5	3188.0	3062.7	2937.5	2921.3	3022.3	3179.9	3305.2	3248.6
20°	3216.3	3228.4	3212.2	3054.7	2820.3	2682.9	2654.6	2779.9	3014.2	3260.7	3293.0
22.5°	3232.4	3244.6	3175.9	2897.1	2622.3	2476.9	2460.7	2553.6	2828.4	3196.1	3341.5
25°	3264.8	3256.7	3151.6	2759.7	2448.6	2311.2	2286.9	2408.2	2674.8	3131.4	3422.3
27.5°	3305.2	3268.8	3119.3	2646.6	2323.3	2177.9	2161.7	2278.9	2545.5	3050.6	3491.0
30°	3357.7	3321.3	3115.3	2557.7	2230.4	2084.9	2064.7	2194.0	2456.7	2994.0	3588.0
32.5°	3430.4	3377.9	3119.3	2489.0	2177.9	2040.5	2028.4	2165.7	2420.3	2961.7	3689.0
35°	3527.4	3450.6	3135.5	2464.7	2194.0	2101.1	2129.4	2234.4	2456.7	2986.0	3854.7
37.5°	3648.6	3575.9	3216.3	2517.3	2371.8	2436.4	2509.2	2549.6	2630.4	3099.1	4121.4
40°	3850.6	3749.6	3337.5	2687.0	2848.6	3151.6	3293.0	3276.9	3091.0	3357.7	4497.1
42.5°	4133.5	4040.5	3584.0	3119.3	3644.6	4287.0	4525.4	4388.0	3826.4	3769.8	5115.3
45°	4565.8	4412.3	3915.3	3761.7	4606.2	5660.8	6198.2	5725.4	4759.8	4420.4	5996.2
47.5°	5119.4	4965.8	4432.5	4404.2	5681.0	7357.8	7996.2	7066.9	5685.0	5272.9	7050.7
50°	6008.3	5838.6	5192.1	5058.8	6868.9	9050.8	9903.4	8404.3	6626.5	6178.0	8351.8
52.5°	7228.5	7115.4	6396.2	5733.5	7931.6	10917.5	11652.9	9802.4	7353.8	7212.4	9770.0
55°	8929.6	8820.5	7963.9	6485.1	8937.7	12788.3	13382.3	11075.1	7988.2	8424.5	11252.9
57.5°	10856.9	11038.8	10109.4	7487.1	9996.3	14295.4	15123.8	12230.7	8844.7	10044.8	12901.5
60°	12113.5	12687.3	12570.1	9236.7	11640.8	16170.3	17071.3	13778.3	10097.3	11236.8	12865.1
62.5°	11022.6	11596.4	12493.4	11265.0	13224.7	17867.3	18626.9	15406.6	11341.8	10287.2	10804.4
65°	9353.9	10069.0	11014.5	9786.2	12945.9	17919.8	18699.6	15467.2	10582.2	7604.3	7660.9
67.5°	8060.9	8695.2	9858.9	8327.6	11475.1	16319.8	16933.9	13798.5	8747.8	5042.6	4998.2
70°	6727.5	7309.3	8780.1	7414.4	10052.9	14065.1	13535.8	11600.4	7394.2	3349.6	2775.9
72.5°	5733.5	6270.9	7802.3	6662.9	7976.0	11398.4	9329.6	9624.6	6016.4	2129.4	1891.0
75°	4743.6	5236.5	6634.6	6032.5	6598.2	7111.4	6448.7	6836.6	4957.7	1806.1	1458.6
77.5°	3329.4	3636.5	4654.7	4800.2	5135.5	4210.2	4089.0	4788.0	3527.4	897.0	614.2
80°	1640.5	1830.4	2428.4	2856.7	2428.4	2388.0	2723.3	3188.0	1830.4	549.5	339.4
82.5°	735.4	872.8	1119.2	1729.4	876.8	953.6	1204.1	1697.0	832.4	327.3	145.5
85°	117.2	129.3	218.2	290.9	238.4	367.7	351.5	331.3	177.8	88.9	40.4
87.5°	4.0	4.0	4.0	8.1	12.1	16.2	20.2	20.2	20.2	20.2	20.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2565.7	2553.6	2493.0	2432.4	2379.9	2327.4	2274.8	2202.1	2145.5	2097.0	2076.8
5°	2808.2	2743.5	2650.6	2549.6	2460.7	2359.7	2262.7	2153.6	2064.7	1971.8	1923.3
7.5°	2973.8	2909.2	2755.7	2602.1	2493.0	2383.9	2282.9	2161.7	2044.5	1911.2	1838.4
10°	3050.6	2977.9	2812.2	2634.4	2501.1	2392.0	2299.1	2198.1	2080.9	1915.2	1818.2
12.5°	3103.1	3014.2	2824.3	2642.5	2509.2	2396.0	2307.2	2234.4	2165.7	2004.1	1891.0
15°	3135.5	3054.7	2856.7	2646.6	2497.1	2363.7	2278.9	2254.6	2266.7	2190.0	2052.6
17.5°	3183.9	3107.2	2897.1	2670.8	2476.9	2295.0	2202.1	2254.6	2363.7	2388.0	2278.9
20°	3248.6	3167.8	2949.6	2691.0	2416.2	2165.7	2076.8	2210.2	2392.0	2517.3	2456.7
22.5°	3321.3	3256.7	3010.2	2711.2	2327.4	1996.0	1955.6	2117.2	2311.2	2472.8	2476.9
25°	3410.2	3349.6	3095.1	2731.4	2206.1	1850.6	1858.6	1996.0	2149.6	2315.2	2343.5
27.5°	3531.4	3474.9	3200.1	2755.7	2080.9	1733.4	1773.8	1874.8	1979.9	2080.9	2121.3
30°	3664.8	3620.3	3325.4	2804.1	1963.7	1664.7	1688.9	1757.6	1842.5	1903.1	1923.3
32.5°	3846.6	3773.9	3442.5	2800.1	1874.8	1632.4	1608.1	1628.3	1697.0	1757.6	1761.7
35°	4072.9	4016.3	3563.8	2727.4	1794.0	1616.2	1531.4	1519.2	1559.6	1620.3	1616.2
37.5°	4404.2	4355.7	3761.7	2614.2	1693.0	1575.8	1450.6	1410.1	1438.4	1478.8	1491.0
40°	4901.2	4775.9	3988.0	2489.0	1592.0	1503.1	1353.6	1297.0	1317.2	1361.7	1369.7
42.5°	5575.9	5337.6	4291.1	2319.3	1495.0	1394.0	1256.6	1196.0	1208.1	1248.5	1256.6
45°	6440.6	6081.0	4707.2	2141.5	1418.2	1280.9	1155.6	1090.9	1103.1	1147.5	1167.7
47.5°	7450.8	6957.8	5143.6	1951.6	1373.8	1192.0	1054.6	1006.1	1034.4	1078.8	1086.9
50°	8642.7	8145.7	5422.4	1798.0	1345.5	1123.3	961.6	941.4	977.8	1014.2	1022.3
52.5°	9943.8	9236.7	5244.6	1672.8	1321.3	1099.0	897.0	905.1	933.4	969.7	981.9
55°	11208.5	9636.7	4654.7	1511.2	1293.0	1115.2	848.5	868.7	905.1	933.4	941.4
57.5°	12032.7	9301.3	3749.6	1341.5	1260.6	1127.3	824.3	840.4	880.8	913.2	917.2
60°	11313.5	8566.0	2808.2	1196.0	1192.0	1107.1	816.2	791.9	848.5	876.8	880.8
62.5°	9269.0	7006.3	1794.0	1058.6	1062.7	1062.7	812.1	711.1	783.9	808.1	804.1
65°	*6367.9*	*4953.7*	*1111.1*	*864.7*	*905.1*	*965.7*	*787.9*	*626.3*	*711.1*	*735.4*	*727.3*
67.5°	4186.0	3147.6	686.9	666.7	743.5	836.4	739.4	561.6	638.4	654.6	630.3
70°	2270.8	1482.9	452.5	436.4	581.8	658.6	626.3	505.1	569.7	585.9	561.6
72.5°	1499.0	852.6	319.2	319.2	456.6	460.6	513.1	452.5	505.1	521.2	497.0
75°	1127.3	549.5	222.2	246.5	290.9	359.6	367.7	379.8	428.3	448.5	424.3
77.5°	517.2	202.0	133.3	181.8	202.0	274.8	234.4	282.8	319.2	327.3	307.1
80°	299.0	113.1	88.9	117.2	129.3	226.3	137.4	169.7	226.3	238.4	214.1
82.5°	125.3	56.6	60.6	72.7	76.8	125.3	97.0	109.1	149.5	145.5	129.3
85°	36.4	36.4	40.4	44.4	44.4	72.7	68.7	64.6	68.7	68.7	56.6
87.5°	24.2	24.2	24.2	28.3	28.3	32.3	36.4	40.4	40.4	40.4	36.4
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°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2048.6	2012.2	1959.7	1951.6	1923.3	1903.1	1923.3	1943.5	1979.9	1983.9	2000.1
5°	1878.9	1794.0	1729.4	1656.6	1620.3	1616.2	1608.1	1632.4	1684.9	1717.2	1741.5
7.5°	1765.7	1612.2	1499.0	1398.0	1361.7	1333.4	1357.6	1353.6	1422.3	1450.6	1474.8
10°	1705.1	1491.0	1321.3	1196.0	1147.5	1119.2	1115.2	1123.3	1163.7	1192.0	1220.2
12.5°	1745.5	1442.5	1192.0	1046.5	994.0	961.6	933.4	933.4	941.4	977.8	989.9
15°	1878.9	1470.8	1131.4	973.8	905.1	852.6	816.2	787.9	791.9	796.0	808.1
17.5°	2072.8	1543.5	1111.1	929.3	856.6	791.9	755.6	723.3	715.2	715.2	711.1
20°	2258.7	1600.1	1095.0	893.0	800.0	743.5	711.1	682.9	670.7	670.7	670.7
22.5°	2335.4	1648.5	1074.8	848.5	743.5	690.9	662.6	642.4	638.4	638.4	634.4
25°	2274.8	1632.4	1050.5	804.1	690.9	650.5	626.3	606.1	602.0	606.1	602.0
27.5°	2084.9	1575.8	1018.2	767.7	650.5	614.2	594.0	573.8	569.7	573.8	573.8
30°	1882.9	1478.8	965.7	739.4	618.2	577.8	557.6	537.4	537.4	541.4	545.5
32.5°	1721.3	1381.9	905.1	703.1	581.8	545.5	525.3	505.1	505.1	513.1	513.1
35°	1583.9	1305.1	844.5	666.7	549.5	509.1	492.9	476.8	472.7	480.8	484.9
37.5°	1474.8	1236.4	779.8	630.3	517.2	480.8	464.7	444.5	440.4	448.5	456.6
40°	1361.7	1159.6	723.3	585.9	484.9	448.5	432.3	408.1	408.1	416.2	424.3
42.5°	1252.6	1090.9	686.9	545.5	452.5	412.1	396.0	375.8	375.8	383.9	391.9
45°	1163.7	1026.3	666.7	505.1	416.2	379.8	359.6	343.4	347.5	355.6	363.6
47.5°	1078.8	957.6	670.7	484.9	391.9	343.4	323.2	311.1	319.2	331.3	339.4
50°	1014.2	909.1	674.8	452.5	359.6	315.2	295.0	286.9	299.0	311.1	319.2
52.5°	973.8	860.6	650.5	412.1	335.4	286.9	274.8	274.8	286.9	295.0	303.0
55°	933.4	779.8	598.0	367.7	311.1	266.7	258.6	258.6	270.7	278.8	282.8
57.5°	901.0	695.0	537.4	331.3	282.8	246.5	246.5	246.5	250.5	254.6	262.6
60°	840.4	606.1	460.6	303.0	254.6	230.3	226.3	226.3	222.2	226.3	238.4
62.5°	735.4	509.1	391.9	270.7	230.3	210.1	206.1	193.9	181.8	185.9	193.9
65°	*622.2*	*404.1*	*327.3*	*234.4*	*198.0*	*185.9*	*181.8*	*161.6*	*145.5*	*149.5*	*161.6*
67.5°	497.0	303.0	274.8	202.0	169.7	157.6	157.6	145.5	133.3	133.3	141.4
70°	387.9	254.6	206.1	161.6	133.3	133.3	141.4	129.3	113.1	113.1	125.3
72.5°	315.2	206.1	165.7	125.3	105.1	113.1	117.2	105.1	92.9	92.9	101.0
75°	246.5	161.6	129.3	92.9	80.8	84.9	92.9	84.9	72.7	76.8	80.8
77.5°	169.7	109.1	84.9	68.7	60.6	64.6	64.6	60.6	56.6	56.6	60.6
80°	113.1	72.7	56.6	48.5	44.4	44.4	40.4	40.4	44.4	44.4	48.5
82.5°	80.8	52.5	44.4	36.4	28.3	28.3	32.3	32.3	36.4	36.4	40.4
85°	48.5	36.4	32.3	24.2	20.2	24.2	24.2	28.3	32.3	32.3	36.4
87.5°	36.4	28.3	24.2	20.2	16.2	16.2	20.2	20.2	24.2	28.3	28.3
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: P1365379
CATALOG NUMBER: GSS-SB4A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2040.5	2089.0	2157.7	2218.3	2291.0	2363.7	2432.4	2497.1	2501.1	2505.1
5°	1818.2	1915.2	2028.4	2165.7	2311.2	2452.6	2602.1	2723.3	2751.6	2767.8
7.5°	1571.8	1713.2	1886.9	2080.9	2299.1	2517.3	2727.4	2909.2	2977.9	2994.0
10°	1313.2	1486.9	1697.0	1947.5	2242.5	2533.4	2816.3	3038.5	3119.3	3135.5
12.5°	1082.9	1224.3	1466.7	1769.8	2125.3	2509.2	2848.6	3095.1	3175.9	3196.1
15°	884.9	1018.2	1244.5	1563.7	1963.7	2424.3	2824.3	3107.2	3188.0	3204.2
17.5°	731.3	816.2	1022.3	1369.7	1818.2	2315.2	2792.0	3115.3	3192.0	3204.2
20°	670.7	686.9	796.0	1135.4	1664.7	2234.4	2771.8	3127.4	3204.2	3216.3
22.5°	642.4	642.4	666.7	864.7	1450.6	2149.6	2763.7	3163.7	3220.3	3232.4
25°	614.2	614.2	622.2	678.8	1196.0	2044.5	2779.9	3228.4	3264.8	3264.8
27.5°	585.9	585.9	594.0	606.1	888.9	1870.8	2783.9	3301.1	3317.3	3305.2
30°	557.6	565.7	565.7	573.8	654.6	1652.6	2759.7	3381.9	3381.9	3357.7
32.5°	529.3	533.4	541.4	545.5	569.7	1369.7	2719.3	3482.9	3462.7	3430.4
35°	505.1	509.1	509.1	517.2	541.4	1095.0	2674.8	3620.3	3563.8	3527.4
37.5°	472.7	476.8	480.8	488.9	513.1	868.7	2610.2	3737.5	3697.1	3648.6
40°	444.5	448.5	452.5	460.6	484.9	747.5	2529.4	3915.3	3907.2	3850.6
42.5°	412.1	420.2	424.3	428.3	460.6	682.9	2472.8	4202.2	4202.2	4133.5
45°	383.9	391.9	391.9	400.0	444.5	626.3	2598.1	4598.1	4630.5	4565.8
47.5°	359.6	363.6	363.6	367.7	420.2	577.8	2933.4	5204.2	5163.8	5119.4
50°	335.4	343.4	335.4	339.4	400.0	606.1	3487.0	5980.0	6085.1	6008.3
52.5°	319.2	323.2	307.1	307.1	371.7	642.4	3939.5	6969.9	7321.5	7228.5
55°	299.0	303.0	282.8	282.8	327.3	557.6	3967.8	8097.2	8869.0	8929.6
57.5°	278.8	278.8	262.6	258.6	282.8	452.5	3519.3	8970.0	10719.6	10856.9
60°	254.6	250.5	242.4	234.4	258.6	416.2	2682.9	8852.8	11636.8	12113.5
62.5°	218.2	226.3	222.2	206.1	234.4	387.9	1749.6	7660.9	10602.4	11022.6
65°	*181.8*	*193.9*	*193.9*	*181.8*	*258.6*	*339.4*	*921.2*	*6133.5*	*8848.8*	*9353.9*
67.5°	161.6	169.7	165.7	157.6	230.3	214.1	444.5	4703.2	7576.0	8060.9
70°	141.4	149.5	137.4	129.3	185.9	153.5	262.6	3147.6	6254.8	6727.5
72.5°	117.2	125.3	113.1	101.0	137.4	117.2	173.7	2048.6	5208.3	5733.5
75°	97.0	101.0	92.9	80.8	101.0	92.9	121.2	1337.4	4355.7	4743.6
77.5°	68.7	76.8	72.7	60.6	72.7	64.6	84.9	763.7	3038.5	3329.4
80°	52.5	52.5	52.5	48.5	44.4	44.4	56.6	343.4	1474.8	1640.5
82.5°	44.4	44.4	40.4	36.4	32.3	28.3	32.3	101.0	695.0	735.4
85°	40.4	32.3	28.3	24.2	20.2	12.1	12.1	28.3	141.4	117.2
87.5°	24.2	20.2	16.2	8.1	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

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

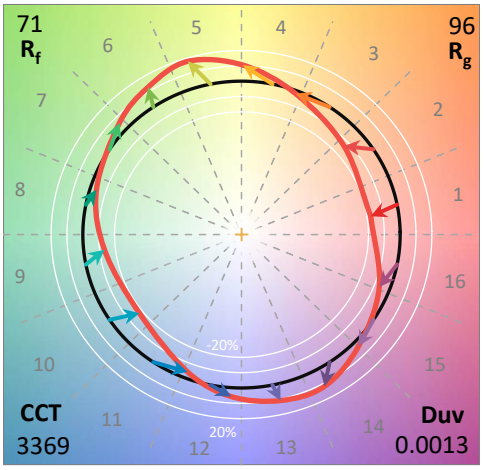
Test Information

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

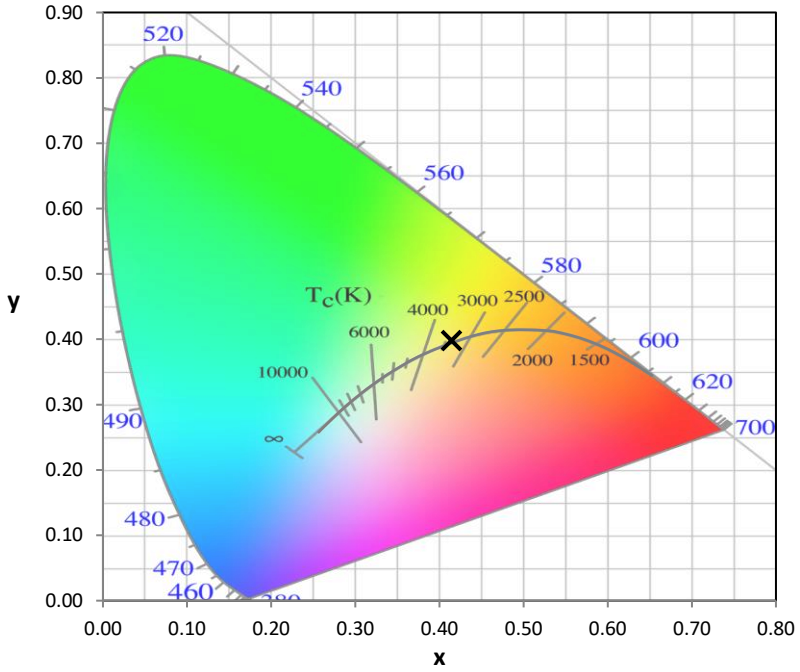
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

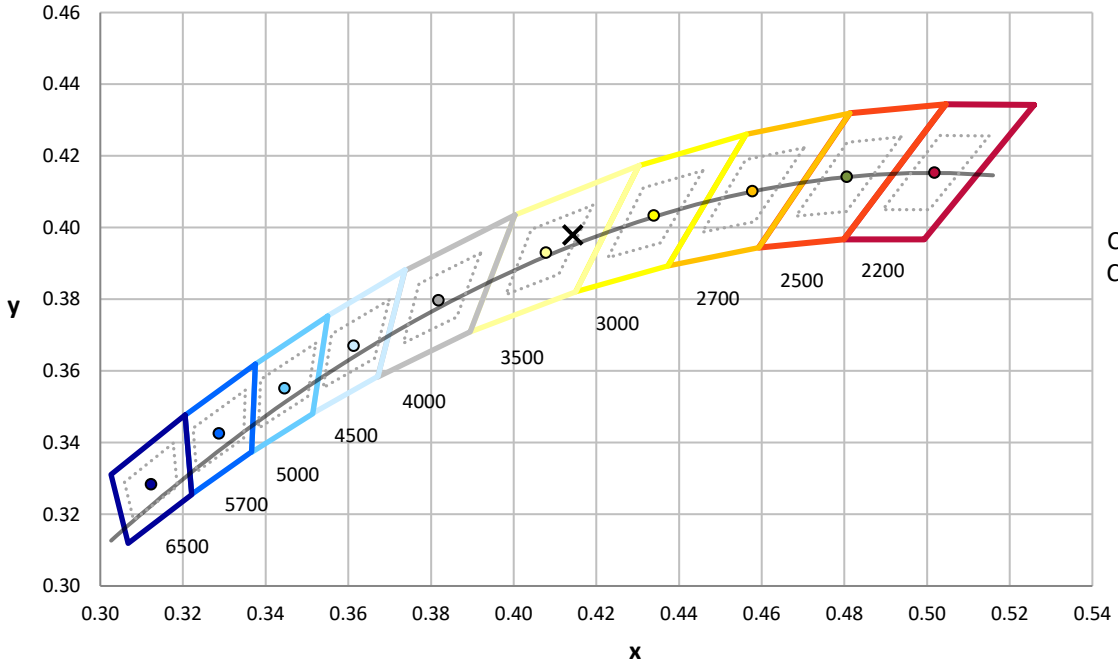
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

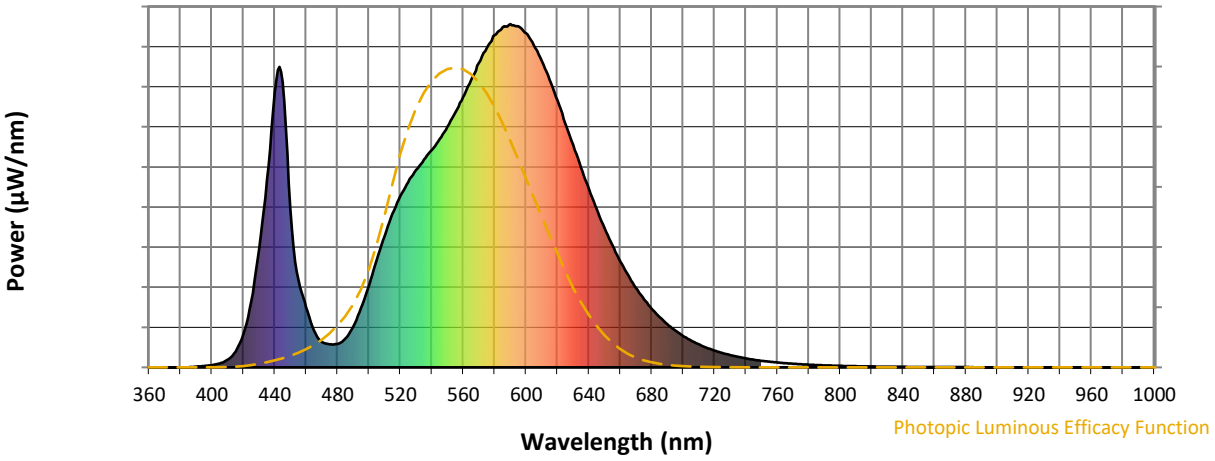


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

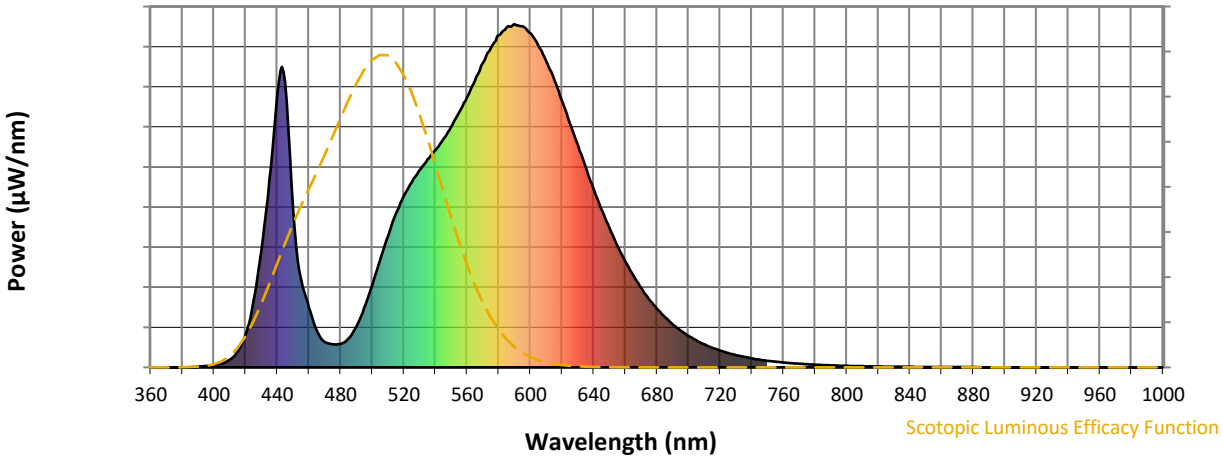


Photopic Lumens: NR

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

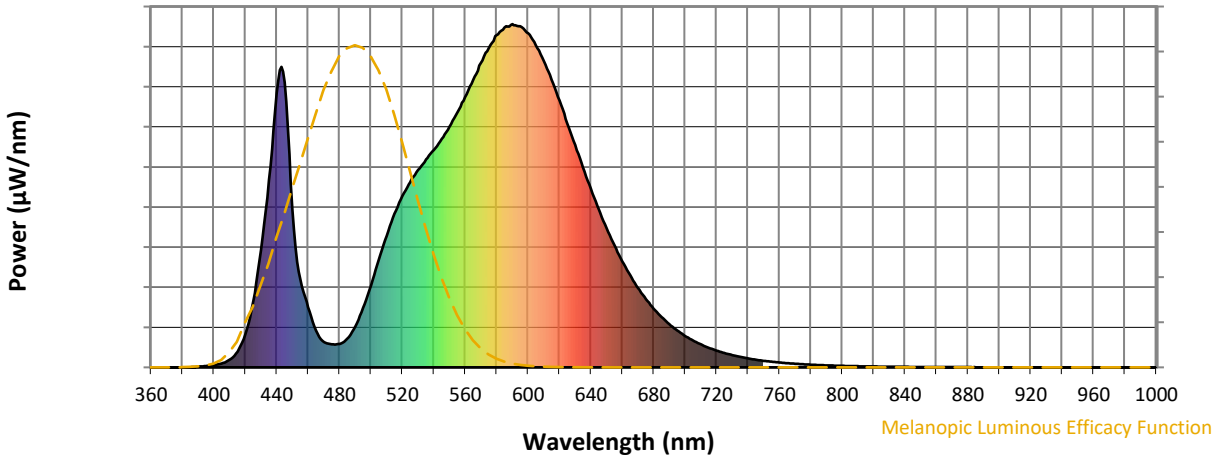


Scotopic Lumens: NR **S/P: 1.29**

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			

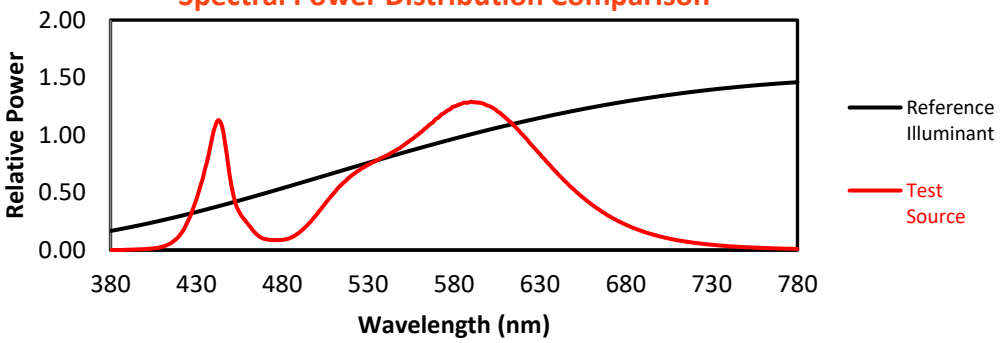
REPORT NUMBER: SP1-2407-184-5

TM-30-18

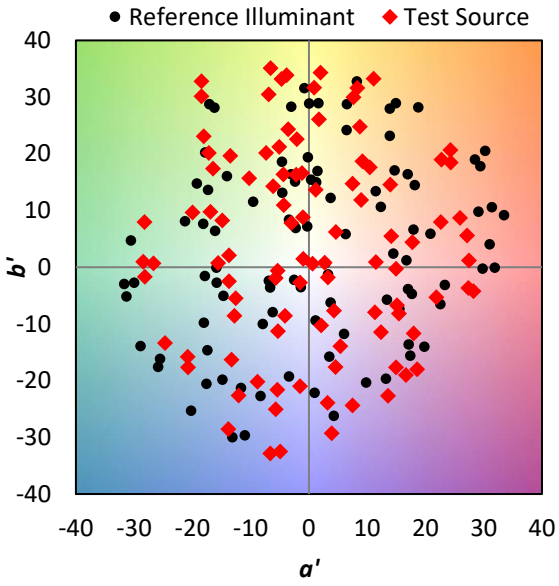
Summary

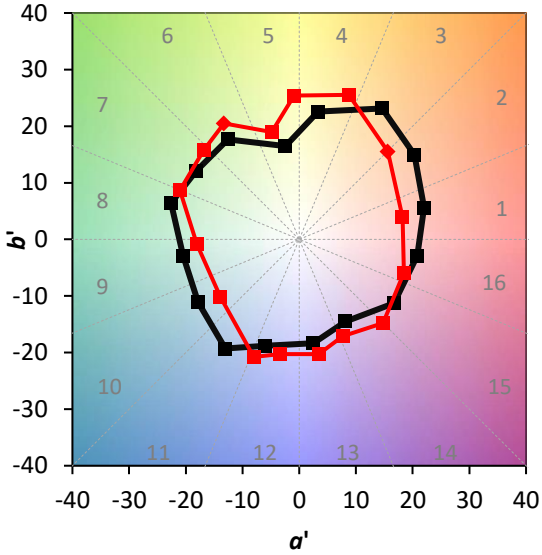
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

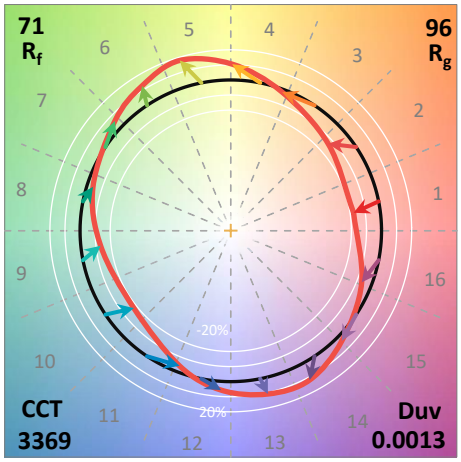
Spectral Power Distribution Comparison

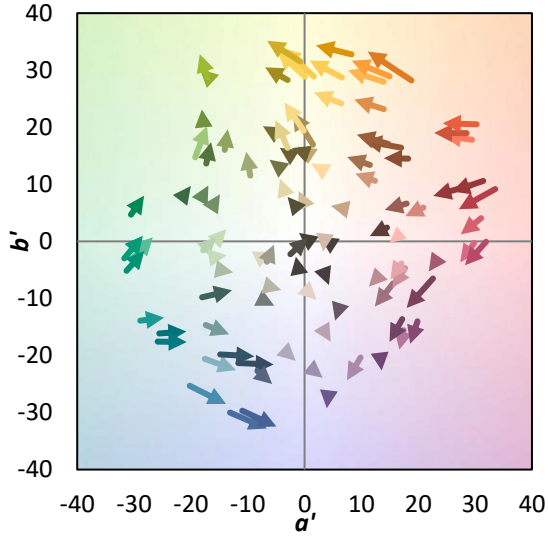


Color Vector Graphics







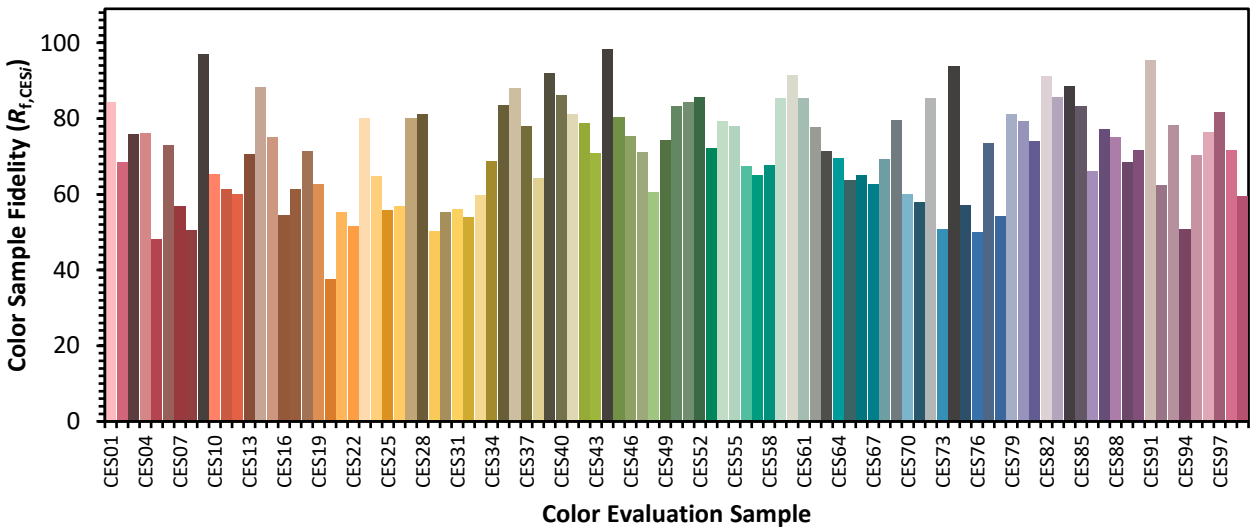


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

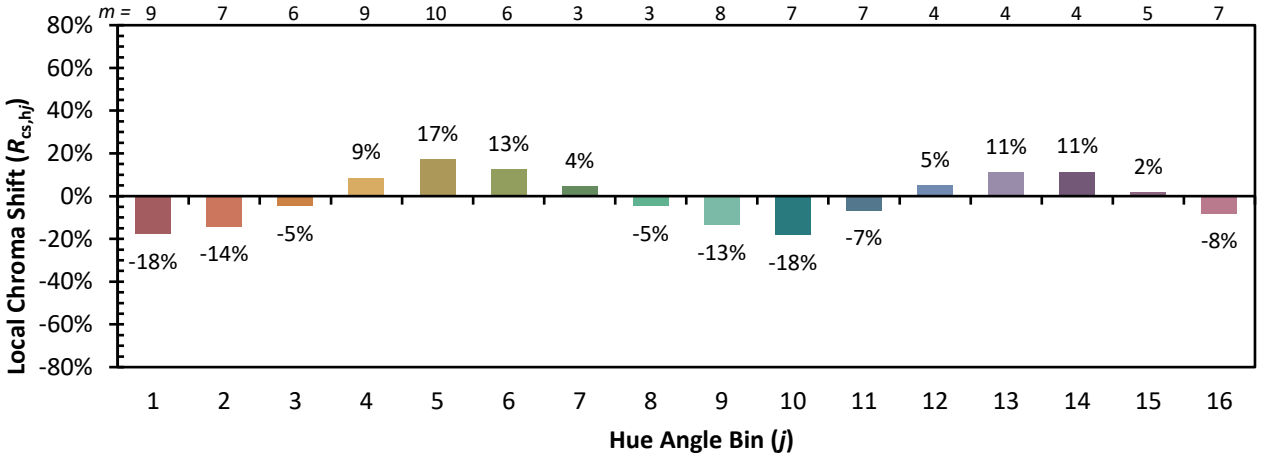
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

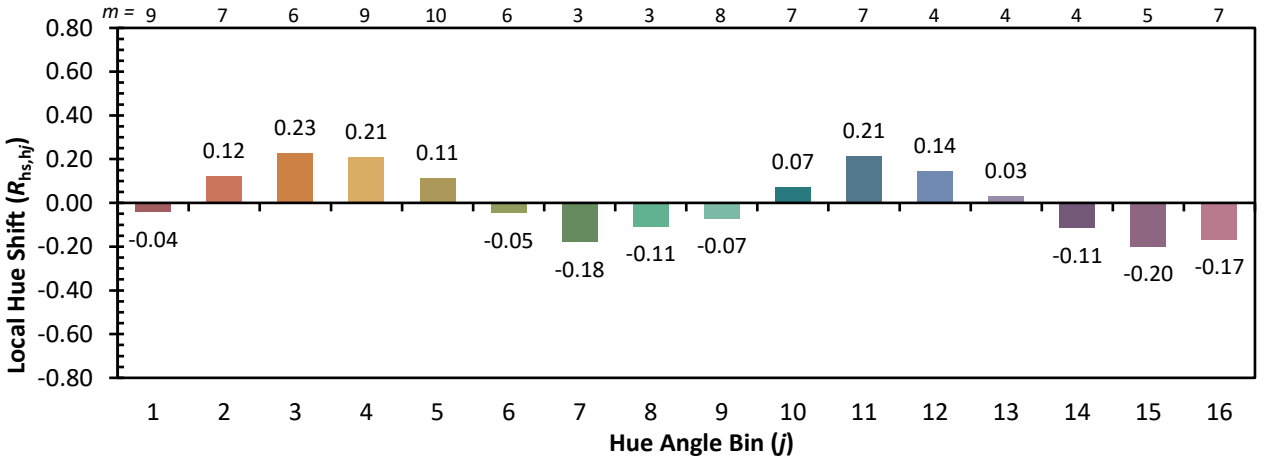


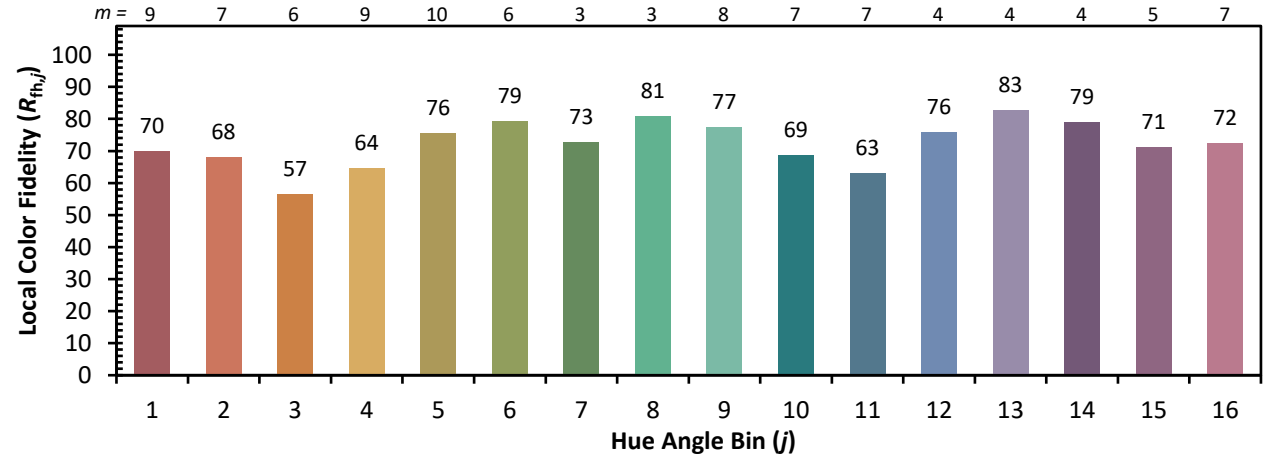
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Color Rendition by Hue-Angle Bin



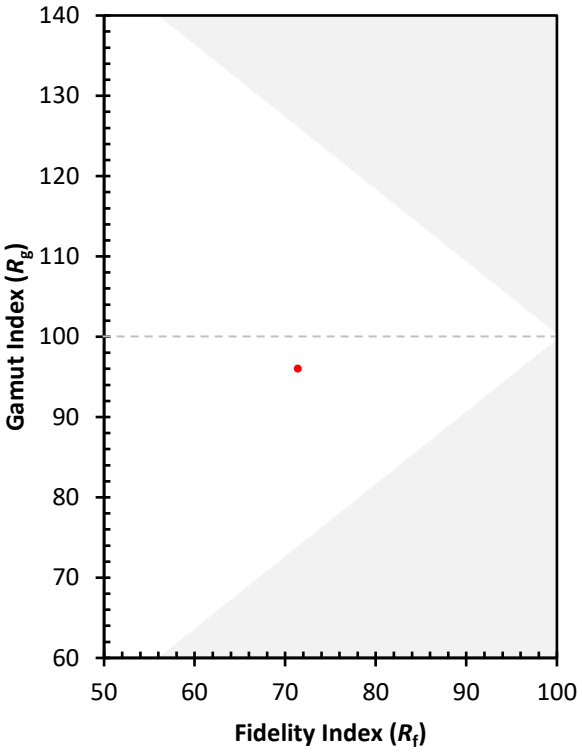


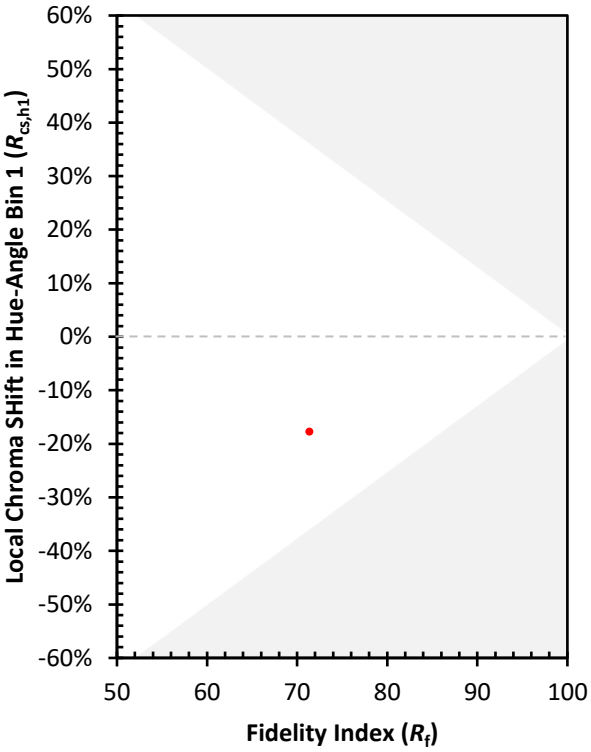


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Measure Comparisons





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