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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501431

Luminaire Tested: GSS-SB3C-735-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501431
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20736 lumens
Efficiency:	N/A
Efficacy:	138.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

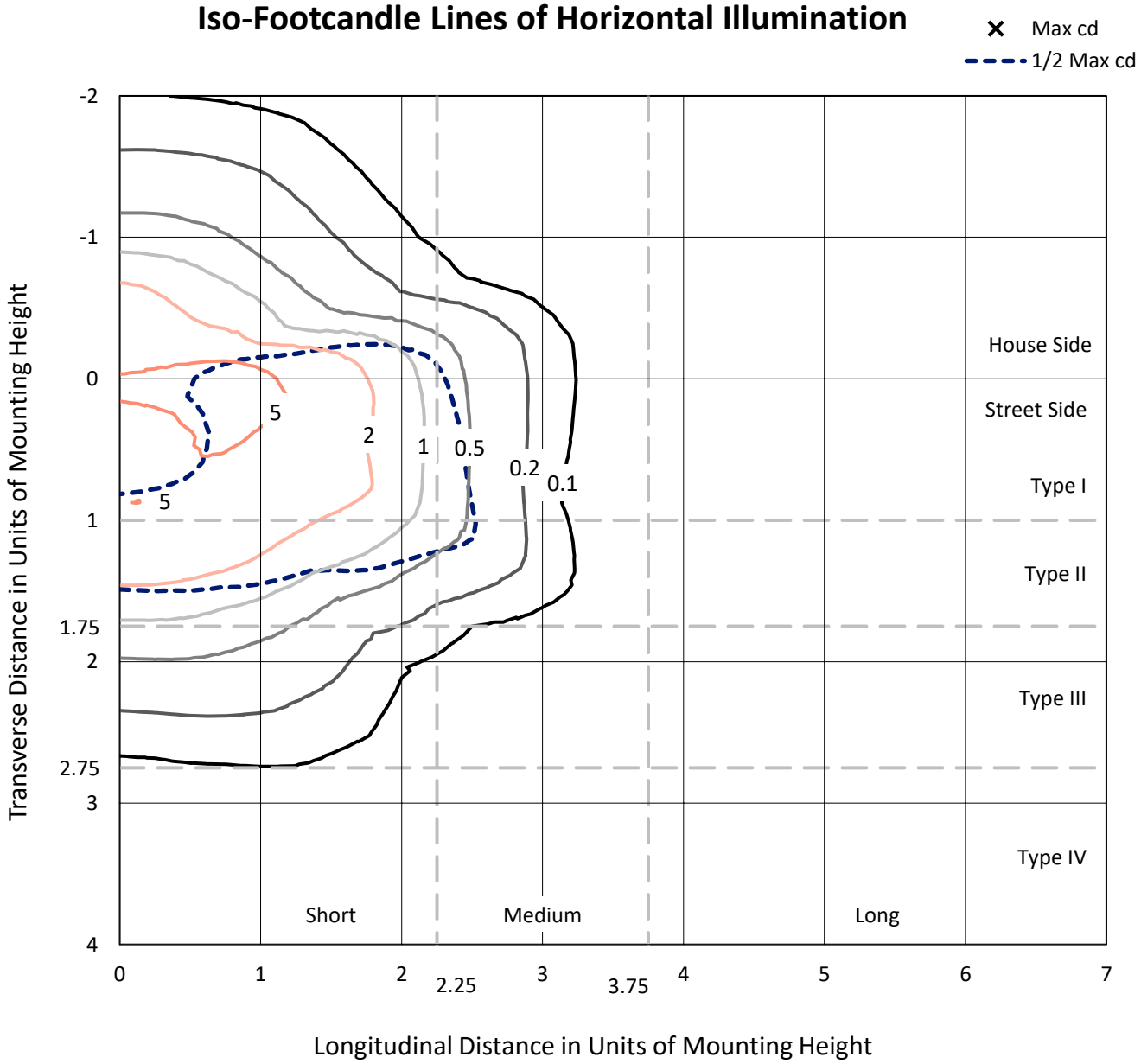
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



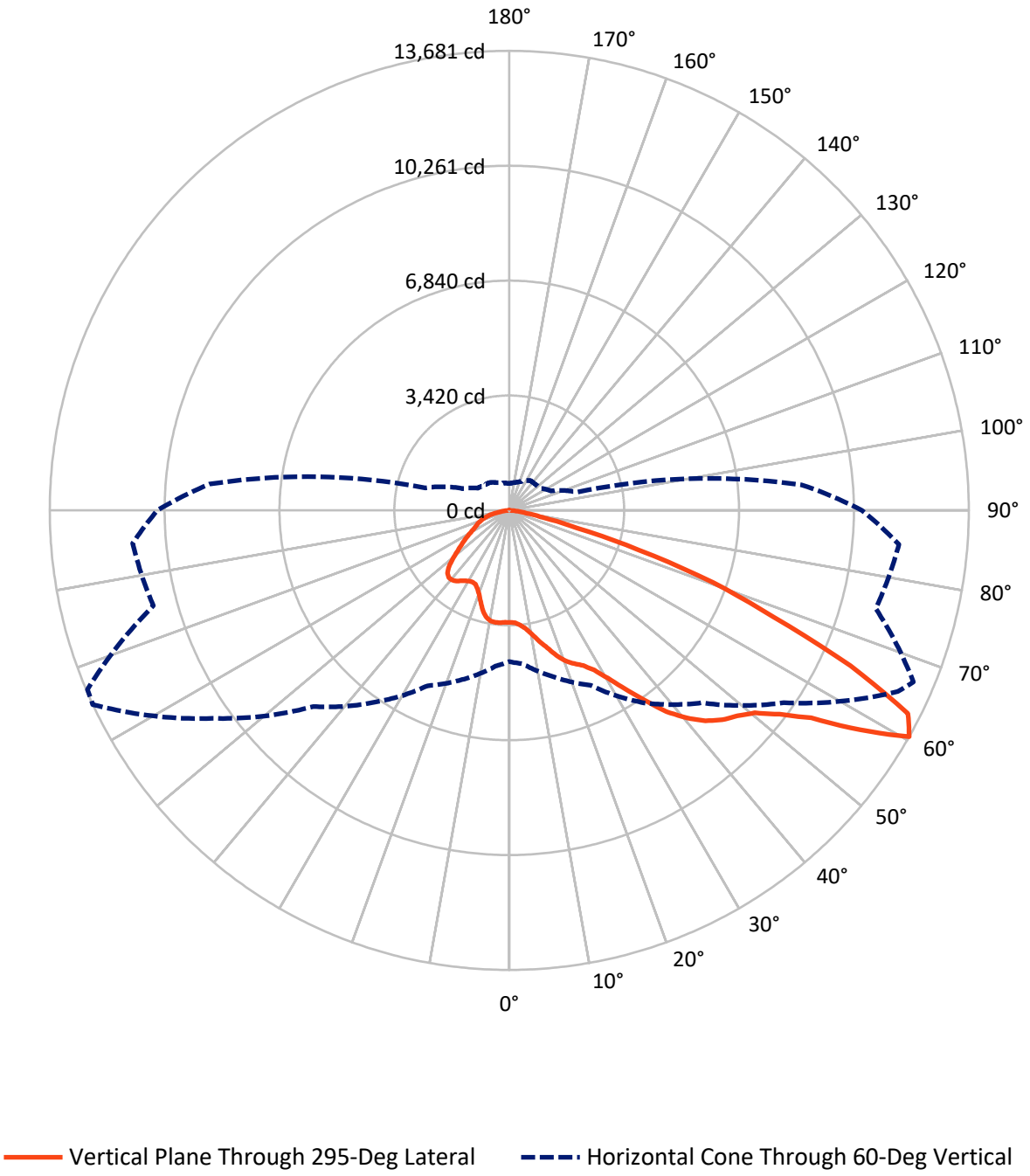
Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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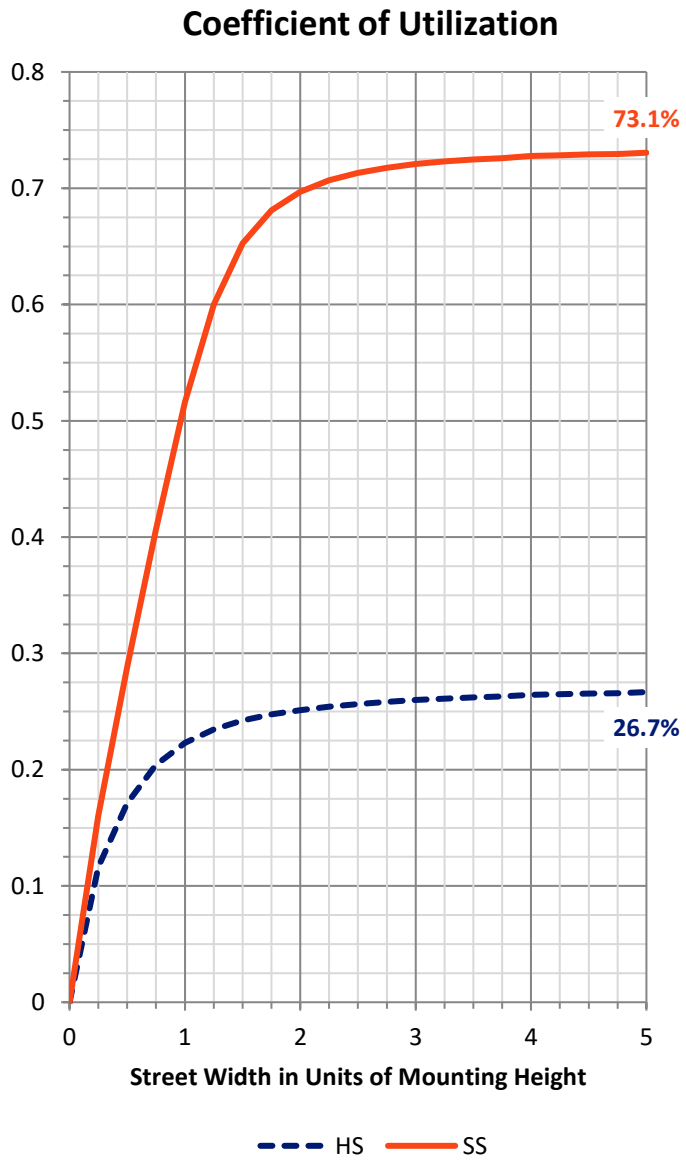
REPORT NUMBER: P1501431
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5576.2	0.0	5576.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	15159.9	0.0	15159.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	20736.0	0.0	20736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.7	1.5
10°-20°	901.8	4.3
20°-30°	1708.1	8.2
30°-40°	3011.3	14.5
40°-50°	4453.4	21.5
50°-60°	5229.5	25.2
60°-70°	3789.0	18.3
70°-80°	1168.5	5.6
80°-90°	160.9	0.8
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°	20736.0	100.0
0°-180°	20736.0	100.0



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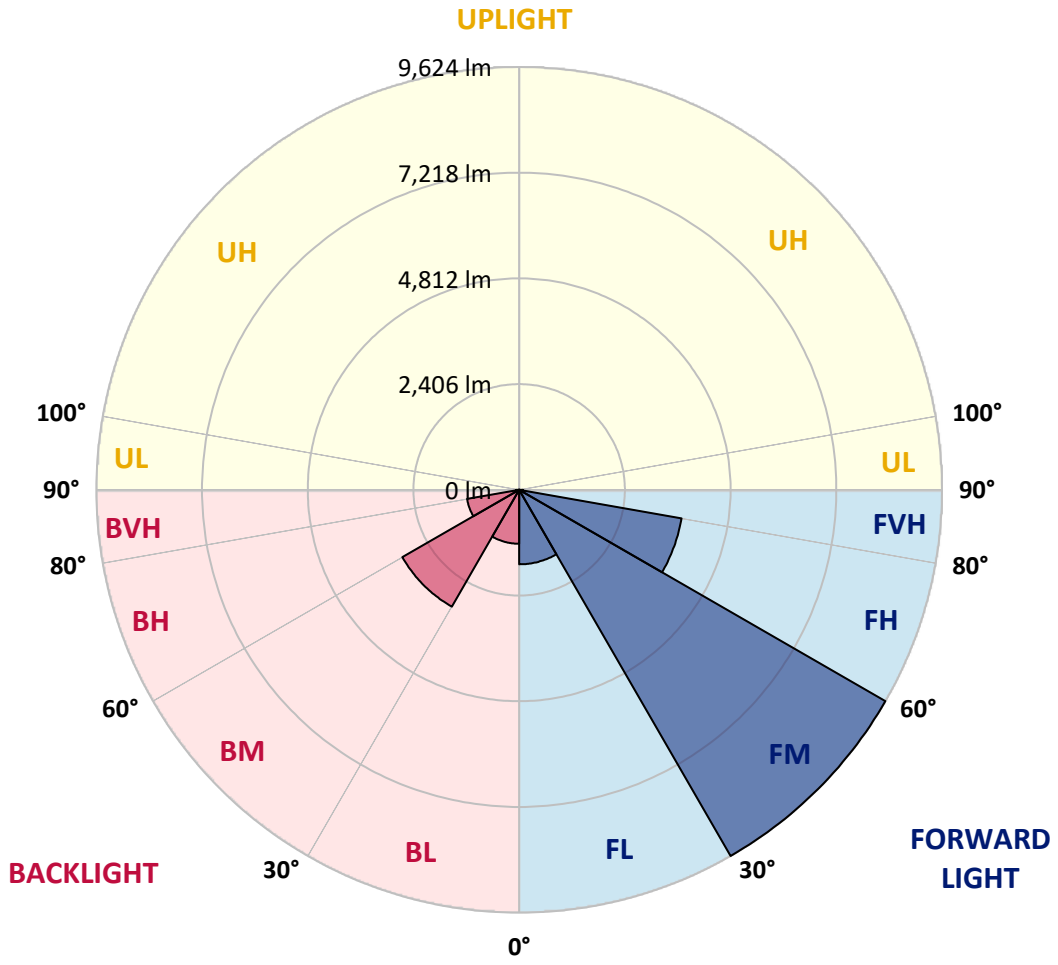
Scaled Data Report

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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°)	1695.5	8.2			
FM	(30°-60°)	9623.7	46.4			
FH	(60°-80°)	3753.9	18.1			G2/5000
FVH	(80°-90°)	86.8	0.4			G1/100
BL	(0°-30°)	1228.1	5.9	B3/2500		
BM	(30°-60°)	3070.4	14.8	B3/5000		
BH	(60°-80°)	1203.6	5.8	B3/2500		G3/2500
BVH	(80°-90°)	74.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3
2.5°	3402.5	3411.9	3397.8	3407.2	3407.2	3393.0	3388.3	3369.4	3378.9	3374.1	3369.4
5°	3482.8	3487.6	3478.1	3492.3	3492.3	3497.0	3492.3	3468.7	3468.7	3468.7	3459.2
7.5°	3459.2	3459.2	3463.9	3511.2	3558.4	3619.9	3619.9	3610.4	3619.9	3615.1	3572.6
10°	3260.7	3279.6	3322.2	3440.3	3553.7	3686.0	3775.8	3804.2	3804.2	3808.9	3738.0
12.5°	2906.3	2920.5	3019.7	3199.3	3435.6	3676.6	3894.0	4035.7	4049.9	4073.5	3979.0
15°	2589.7	2599.1	2670.0	2854.3	3123.7	3549.0	3960.1	4253.1	4300.4	4399.6	4257.8
17.5°	2618.0	2613.3	2632.2	2703.1	2896.8	3341.1	3945.9	4508.3	4593.4	4768.2	4645.3
20°	2788.2	2788.2	2802.3	2816.5	2887.4	3189.8	3842.0	4716.2	4881.6	5221.9	5080.1
22.5°	3057.5	3057.5	3052.8	3076.4	3076.4	3256.0	3846.7	4872.2	5117.9	5727.5	5590.5
25°	3430.8	3411.9	3411.9	3421.4	3378.9	3506.5	3964.8	5032.9	5354.2	6327.7	6209.5
27.5°	3851.4	3865.6	3856.2	3823.1	3766.4	3865.6	4248.4	5283.3	5618.8	6960.9	6913.7
30°	4309.8	4314.5	4324.0	4305.1	4257.8	4328.7	4692.6	5661.4	5968.5	7622.5	7726.5
32.5°	4758.8	4824.9	4801.3	4754.0	4772.9	4900.5	5240.8	6171.7	6488.4	8236.9	8605.5
35°	5330.6	5354.2	5448.7	5273.9	5278.6	5496.0	5940.2	6842.8	7150.0	8874.8	9484.4
37.5°	6162.3	6204.8	6162.3	5888.2	5845.7	6148.1	6620.7	7504.4	7726.5	9356.9	10302.0
40°	6979.8	7031.8	7102.7	6781.4	6512.0	6762.5	7263.4	8010.0	8241.6	9621.5	10845.4
42.5°	7655.6	7740.7	7665.1	7570.5	7324.8	7372.1	7712.3	8402.3	8633.8	9957.0	11393.6
45°	8227.4	8241.6	8274.7	8208.5	8085.6	8043.1	8095.1	8747.2	9002.4	10108.2	11663.0
47.5°	8463.7	8525.1	8553.5	8666.9	8794.5	8709.4	8421.2	8907.9	9139.5	10098.8	11748.0
50°	8336.1	8397.5	8548.8	8818.1	9125.3	9276.5	8803.9	9130.0	9389.9	10268.9	11922.9
52.5°	8000.6	8066.7	8312.5	8619.6	9134.7	9479.7	9342.7	9593.1	9843.6	10571.4	12215.9
55°	7187.8	7287.0	7632.0	8142.4	8851.2	9371.0	9909.8	10273.6	10547.7	10935.2	12518.3
57.5°	6006.3	6110.3	6497.8	7263.4	8326.7	8922.1	10075.2	11549.6	11672.4	11370.0	12546.7
60°	*4498.8*	*4583.9*	*5132.1*	*5746.4*	*6994.0*	*8099.8*	*9980.6*	*12759.3*	*13071.2*	*11294.4*	*11644.1*
62.5°	3563.2	3667.1	4153.9	4437.4	5330.6	6691.6	9649.8	13094.9	13364.2	10670.6	10387.1
65°	2783.4	2854.3	3308.0	3714.4	3931.8	4569.7	8269.9	11455.1	11696.1	9654.6	8572.4
67.5°	1838.3	1947.0	2485.7	3043.3	3156.8	2906.3	5689.7	8813.4	8926.8	7674.5	6445.8
70°	1318.5	1370.4	1772.1	2367.6	2537.7	1947.0	3100.0	6672.7	6705.7	5151.0	4342.9
72.5°	897.9	907.3	1205.0	1814.7	2022.6	1413.0	1706.0	4394.9	4281.5	2542.4	2485.7
75°	609.6	619.1	770.3	1209.8	1431.9	982.9	1110.5	2395.9	2301.4	1403.5	1507.5
77.5°	411.1	420.6	529.3	812.8	954.6	680.5	812.8	1266.5	1242.9	931.0	808.1
80°	311.9	326.1	392.2	519.8	666.3	397.0	463.1	600.2	609.6	496.2	411.1
82.5°	174.9	193.8	236.3	264.6	430.0	222.1	222.1	359.2	345.0	307.2	222.1
85°	75.6	80.3	94.5	99.2	174.9	94.5	80.3	155.9	160.7	151.2	70.9
87.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	18.9	18.9	18.9	18.9
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°	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3
2.5°	3345.8	3374.1	3345.8	3331.6	3331.6	3308.0	3298.5	3298.5	3265.4	3279.6	3270.2
5°	3421.4	3430.8	3397.8	3355.2	3298.5	3251.3	3185.1	3100.0	3048.1	3043.3	3048.1
7.5°	3539.5	3544.3	3454.5	3360.0	3218.2	3048.1	2844.9	2679.5	2533.0	2509.3	2537.7
10°	3704.9	3695.5	3563.2	3341.1	3043.3	2684.2	2372.3	2221.1	2136.0	2131.3	2126.6
12.5°	3927.0	3865.6	3662.4	3260.7	2740.9	2325.0	2164.4	2154.9	2178.5	2197.4	2202.2
15°	4182.2	4101.9	3742.7	3104.8	2433.7	2192.7	2202.2	2282.5	2310.9	2329.8	2329.8
17.5°	4498.8	4394.9	3832.5	2882.7	2277.8	2221.1	2287.2	2362.8	2410.1	2429.0	2424.3
20°	4919.4	4702.1	3903.4	2670.0	2235.2	2268.3	2325.0	2400.6	2447.9	2471.5	2471.5
22.5°	5340.0	5070.7	3917.6	2523.5	2235.2	2273.1	2325.0	2400.6	2452.6	2476.3	2471.5
25°	5911.8	5543.2	3922.3	2419.5	2240.0	2249.4	2296.7	2362.8	2438.5	2462.1	2471.5
27.5°	6521.4	6063.1	3945.9	2395.9	2221.1	2216.3	2249.4	2310.9	2386.5	2447.9	2452.6
30°	7277.6	6649.0	3955.4	2419.5	2225.8	2164.4	2188.0	2249.4	2329.8	2391.2	2410.1
32.5°	8019.5	7192.5	3936.5	2471.5	2235.2	2131.3	2136.0	2173.8	2258.9	2301.4	2334.5
35°	8803.9	7769.0	3903.4	2542.4	2240.0	2117.1	2074.6	2093.5	2150.2	2154.9	2169.1
37.5°	9418.3	8199.1	3804.2	2636.9	2249.4	2065.1	1980.1	1965.9	1942.3	1895.0	1904.5
40°	9923.9	8487.3	3638.8	2684.2	2225.8	2003.7	1861.9	1795.8	1706.0	1635.1	1649.3
42.5°	10287.8	8681.1	3440.3	2693.6	2188.0	1899.7	1724.9	1611.5	1512.2	1436.6	1441.3
45°	10448.5	8662.2	3227.6	2622.8	2098.2	1772.1	1597.3	1488.6	1379.9	1299.6	1290.1
47.5°	10453.2	8477.9	2934.6	2452.6	1947.0	1625.6	1479.1	1361.0	1271.2	1214.5	1209.8
50°	10491.0	8373.9	2660.6	2206.9	1748.5	1469.7	1375.2	1257.0	1205.0	1124.7	1101.1
52.5°	10727.3	8544.0	2471.5	1937.5	1564.2	1356.3	1285.4	1181.4	1096.4	1044.4	1039.7
55°	11110.1	8837.0	2367.6	1734.3	1389.4	1247.6	1200.3	1110.5	1034.9	982.9	968.8
57.5°	11157.3	8988.2	2244.7	1545.3	1247.6	1162.5	1143.6	1044.4	935.7	897.9	883.7
60°	*10495.7*	*8733.1*	*2093.5*	*1370.4*	*1143.6*	*1096.4*	*1086.9*	*954.6*	*864.8*	*817.5*	*798.6*
62.5°	9593.1	8095.1	1861.9	1209.8	1063.3	1030.2	992.4	888.4	775.0	723.0	708.9
65°	7839.9	6805.0	1583.1	1101.1	982.9	945.1	935.7	793.9	718.3	689.9	685.2
67.5°	5940.2	5467.6	1394.1	1020.7	897.9	883.7	850.6	803.4	770.3	737.2	727.8
70°	4201.1	3945.9	1186.1	916.8	812.8	789.2	926.2	874.3	756.1	713.6	708.9
72.5°	2547.1	2476.3	1025.5	822.3	699.4	737.2	855.3	789.2	680.5	628.5	609.6
75°	1606.7	1469.7	860.1	699.4	557.6	600.2	746.7	704.1	586.0	534.0	519.8
77.5°	874.3	812.8	647.4	571.8	439.5	486.7	652.1	581.3	467.8	510.4	453.7
80°	382.8	425.3	430.0	330.8	293.0	359.2	467.8	453.7	359.2	363.9	302.4
82.5°	184.3	241.0	278.8	226.8	165.4	212.7	311.9	259.9	241.0	226.8	217.4
85°	56.7	89.8	122.9	108.7	75.6	89.8	146.5	141.8	170.1	146.5	137.0
87.5°	18.9	18.9	14.2	14.2	14.2	18.9	23.6	14.2	4.7	4.7	0.0
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°	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3
2.5°	3265.4	3270.2	3270.2	3274.9	3274.9	3289.1	3308.0	3326.9	3312.7	3331.6	3336.3
5°	3038.6	3062.2	3081.1	3152.0	3208.7	3256.0	3308.0	3355.2	3369.4	3378.9	3402.5
7.5°	2504.6	2570.8	2693.6	2854.3	3033.9	3208.7	3326.9	3449.7	3468.7	3492.3	3525.4
10°	2131.3	2159.6	2244.7	2410.1	2731.4	3076.4	3364.7	3558.4	3638.8	3686.0	3719.1
12.5°	2192.7	2173.8	2159.6	2183.3	2391.2	2835.4	3341.1	3714.4	3865.6	3917.6	3960.1
15°	2339.2	2320.3	2268.3	2202.2	2225.8	2580.2	3260.7	3860.9	4101.9	4187.0	4276.7
17.5°	2424.3	2405.4	2362.8	2292.0	2230.5	2367.6	3109.5	3993.2	4475.2	4579.2	4706.8
20°	2471.5	2452.6	2410.1	2339.2	2268.3	2287.2	2915.7	4158.6	4900.5	5065.9	5255.0
22.5°	2481.0	2457.4	2410.1	2339.2	2296.7	2282.5	2731.4	4257.8	5358.9	5614.1	5831.5
25°	2476.3	2433.7	2372.3	2320.3	2296.7	2292.0	2603.9	4314.5	5855.1	6261.5	6507.3
27.5°	2443.2	2391.2	2329.8	2292.0	2282.5	2310.9	2547.1	4380.7	6436.4	6956.2	7348.4
30°	2405.4	2329.8	2254.2	2240.0	2263.6	2353.4	2594.4	4404.3	7046.0	7712.3	8114.0
32.5°	2306.1	2249.4	2173.8	2169.1	2225.8	2386.5	2703.1	4371.3	7584.7	8468.4	8974.1
35°	2164.4	2131.3	2088.8	2102.9	2192.7	2414.8	2778.7	4267.3	8076.2	9172.6	9763.3
37.5°	1913.9	1937.5	1961.2	1994.2	2107.7	2410.1	2811.8	4101.9	8482.6	9734.9	10491.0
40°	1635.1	1715.4	1791.0	1876.1	2027.3	2372.3	2821.2	3898.7	8718.9	10160.2	11138.4
42.5°	1460.2	1535.8	1630.4	1753.2	1918.6	2287.2	2811.8	3671.9	8794.5	10453.2	11549.6
45°	1299.6	1389.4	1507.5	1635.1	1824.1	2164.4	2726.7	3426.1	8832.3	10590.3	11724.4
47.5°	1214.5	1266.5	1375.2	1502.8	1701.2	2013.1	2561.3	3246.5	8775.6	10618.6	11937.1
50°	1115.3	1186.1	1257.0	1379.9	1573.7	1824.1	2362.8	3142.6	8870.1	10897.4	12272.6
52.5°	1039.7	1077.5	1153.1	1266.5	1408.3	1649.3	2173.8	3057.5	9130.0	11181.0	12622.3
55°	982.9	1025.5	1072.7	1167.2	1275.9	1474.4	1980.1	2929.9	9432.5	11483.4	12972.0
57.5°	893.2	921.5	987.7	1086.9	1157.8	1304.3	1753.2	2778.7	9408.8	11247.1	12367.1
60°	*812.8*	*841.2*	*912.1*	*1011.3*	*1053.8*	*1153.1*	*1531.1*	*2584.9*	*8955.2*	*10476.8*	*11251.9*
62.5°	723.0	756.1	841.2	912.1	949.9	1025.5	1299.6	2230.5	8010.0	9319.0	9947.6
65°	685.2	704.1	760.8	845.9	841.2	912.1	1096.4	1753.2	6445.8	7121.6	7693.4
67.5°	727.8	756.1	746.7	770.3	756.1	793.9	982.9	1408.3	5065.9	5363.6	5694.4
70°	718.3	784.5	817.5	770.3	661.6	704.1	850.6	1124.7	3624.6	3596.2	3582.1
72.5°	628.5	694.7	789.2	836.4	647.4	586.0	737.2	973.5	2325.0	2315.6	2093.5
75°	534.0	581.3	694.7	756.1	557.6	472.6	633.2	827.0	1389.4	1408.3	1257.0
77.5°	491.5	467.8	581.3	666.3	453.7	363.9	510.4	623.8	765.6	775.0	718.3
80°	354.4	340.2	434.8	486.7	345.0	259.9	288.3	387.5	411.1	368.6	382.8
82.5°	226.8	231.6	259.9	311.9	212.7	141.8	198.5	259.9	222.1	179.6	212.7
85°	146.5	165.4	137.0	160.7	66.2	66.2	85.1	113.4	75.6	52.0	56.7
87.5°	0.0	0.0	9.5	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1501431
CATALOG NUMBER: GSS-SB3C-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3336.3	3336.3	*3336.3*	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3	3336.3
2.5°	3350.5	3345.8	*3345.8*	3355.2	3378.9	3388.3	3402.5	3397.8	3411.9	3402.5
5°	3416.7	3421.4	*3435.6*	3440.3	3454.5	3473.4	3478.1	3473.4	3482.8	3482.8
7.5°	3549.0	3567.9	*3558.4*	3582.1	3563.2	3539.5	3501.7	3473.4	3449.7	3459.2
10°	3771.1	3761.6	*3756.9*	3714.4	3629.3	3506.5	3407.2	3298.5	3279.6	3260.7
12.5°	4016.8	4007.4	*4007.4*	3860.9	3619.9	3364.7	3137.9	2967.7	2911.0	2906.3
15°	4361.8	4300.4	*4243.7*	3936.5	3454.5	3019.7	2755.1	2622.8	2589.7	2589.7
17.5°	4791.8	4631.2	*4536.7*	3879.8	3185.1	2792.9	2636.9	2603.9	2594.4	2618.0
20°	5325.8	4919.4	*4782.4*	3752.2	3085.9	2821.2	2745.6	2750.3	2755.1	2788.2
22.5°	5911.8	5184.1	*4957.2*	3752.2	3185.1	3000.8	2963.0	3015.0	3029.2	3057.5
25°	6564.0	5420.4	*5113.2*	3950.7	3478.1	3341.1	3293.8	3345.8	3383.6	3430.8
27.5°	7296.5	5666.1	*5382.6*	4309.8	3856.2	3771.1	3719.1	3742.7	3794.7	3851.4
30°	7953.3	6077.2	*5793.7*	4858.0	4371.3	4267.3	4177.5	4215.3	4272.0	4309.8
32.5°	8534.6	6578.2	*6337.1*	5434.5	4962.0	4782.4	4683.2	4673.7	4787.1	4758.8
35°	9068.6	7168.9	*6937.3*	6091.4	5562.1	5340.0	5207.7	5377.8	5302.2	5330.6
37.5°	9489.2	7783.2	*7598.9*	6719.9	6185.9	5883.5	5803.1	6011.1	6129.2	6162.3
40°	9834.1	8317.2	*8123.4*	7343.7	6757.7	6535.6	6663.2	7008.2	6994.0	6979.8
42.5°	10098.8	8775.6	*8562.9*	7816.3	7305.9	7348.4	7447.7	7679.2	7735.9	7655.6
45°	10216.9	9063.9	*8893.7*	8189.6	7929.7	8175.4	8218.0	8317.2	8279.4	8227.4
47.5°	10354.0	9319.0	*9139.5*	8529.9	8605.5	8846.5	8761.4	8681.1	8544.0	8463.7
50°	10585.5	9621.5	*9470.3*	9026.1	9300.1	9219.8	8889.0	8709.4	8430.6	8336.1
52.5°	11025.0	10193.3	*10079.9*	9810.5	9626.2	9163.1	8761.4	8440.1	8128.2	8000.6
55°	11417.2	10968.3	*10902.1*	10543.0	9527.0	8865.4	8326.7	7830.5	7296.5	7187.8
57.5°	11644.1	12253.7	*12329.3*	10854.9	9073.3	8189.6	7395.7	6601.8	6096.1	6006.3
60°	*10968.3*	*13643.0*	*13680.9*	*10793.5*	*8255.8*	*6970.4*	*5760.6*	*5198.3*	*4654.8*	*4498.8*
62.5°	10037.4	13354.8	*13321.7*	10424.9	6573.4	5084.8	4376.0	4111.3	3690.8	3563.2
65°	8629.1	11124.3	*11162.1*	9007.2	4371.3	3676.6	3676.6	3341.1	2873.2	2783.4
67.5°	7031.8	8577.1	*8492.1*	5840.9	2684.2	2944.1	3085.9	2603.9	1947.0	1838.3
70°	4569.7	6549.8	*6431.7*	3369.4	1687.1	2452.6	2429.0	1956.4	1394.1	1318.5
72.5°	1965.9	3785.3	*4026.3*	1720.1	1271.2	1975.3	1937.5	1370.4	931.0	897.9
75°	1186.1	1904.5	*2074.6*	1096.4	926.2	1488.6	1342.1	869.5	633.2	609.6
77.5°	751.4	1044.4	*1034.9*	822.3	694.7	1006.6	902.6	600.2	430.0	411.1
80°	434.8	515.1	*534.0*	515.1	467.8	718.3	576.5	434.8	335.5	311.9
82.5°	278.8	321.3	*326.1*	250.5	259.9	463.1	311.9	255.2	193.8	174.9
85°	122.9	137.0	*132.3*	85.1	85.1	189.0	108.7	104.0	75.6	75.6
87.5°	4.7	9.5	*4.7*	4.7	4.7	18.9	9.5	14.2	14.2	14.2
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

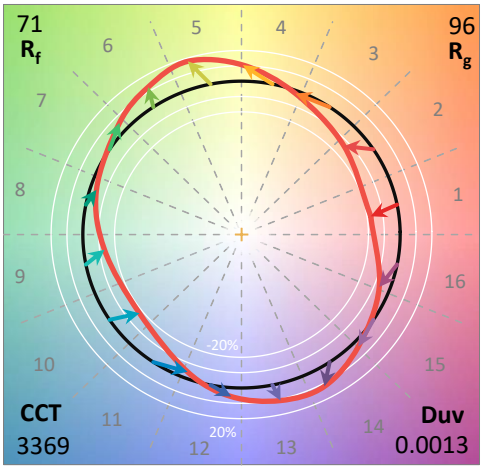
Test Information

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

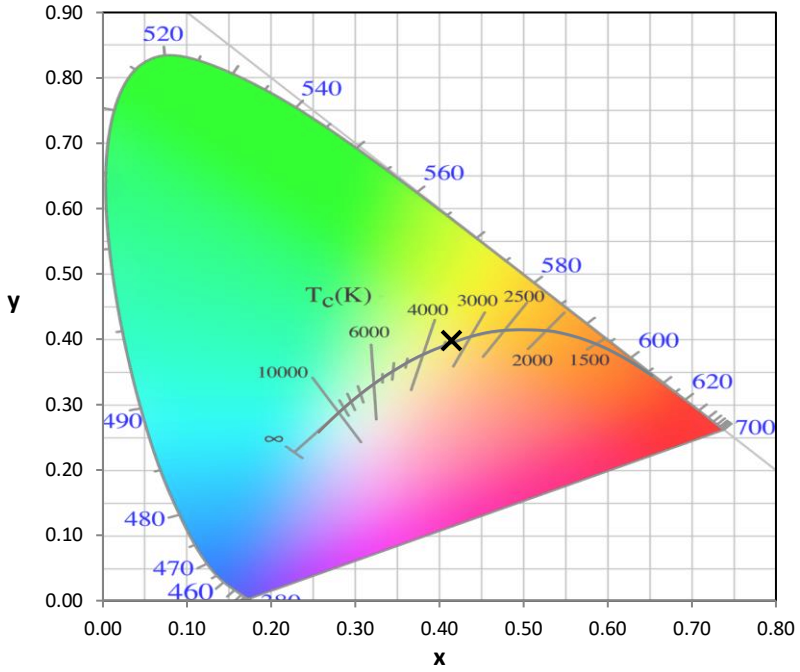
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

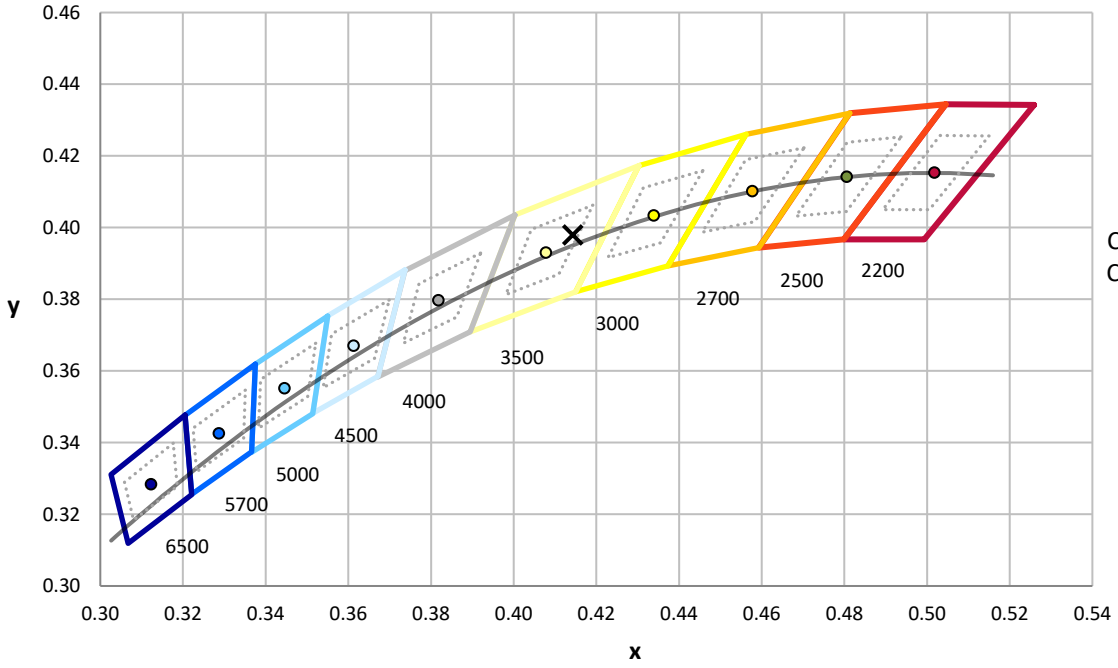
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

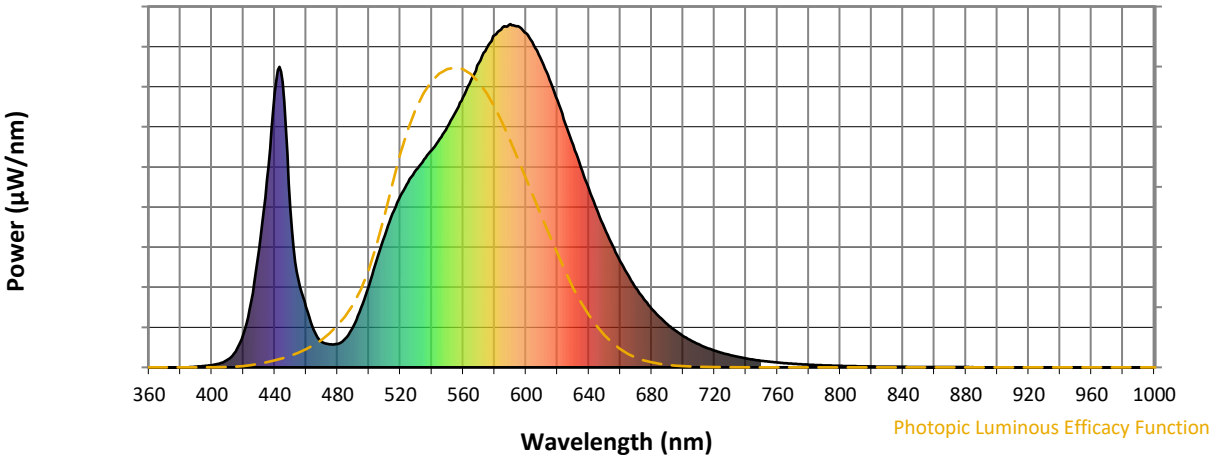


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

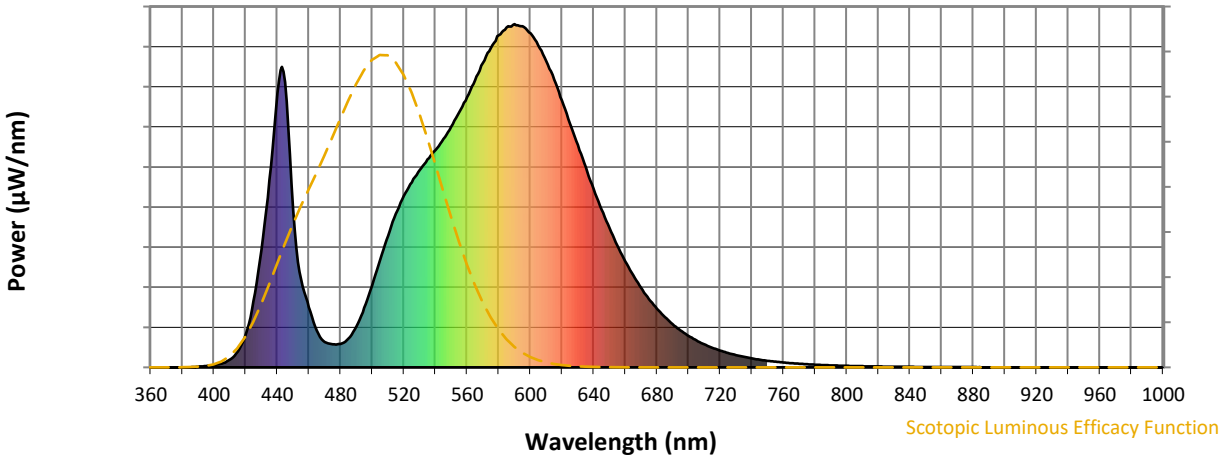


Photopic Lumens: NR

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

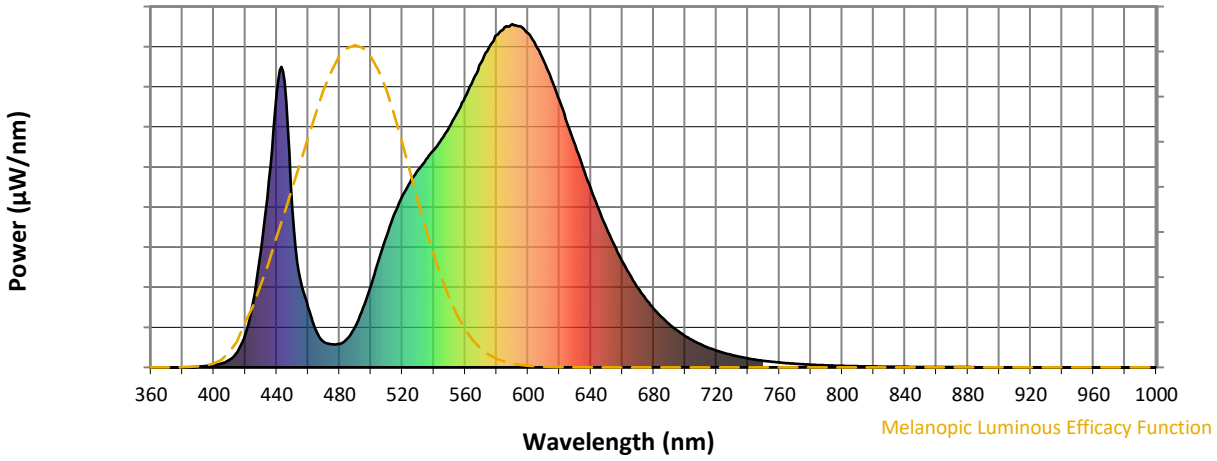


Scotopic Lumens: NR **S/P: 1.29**

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			

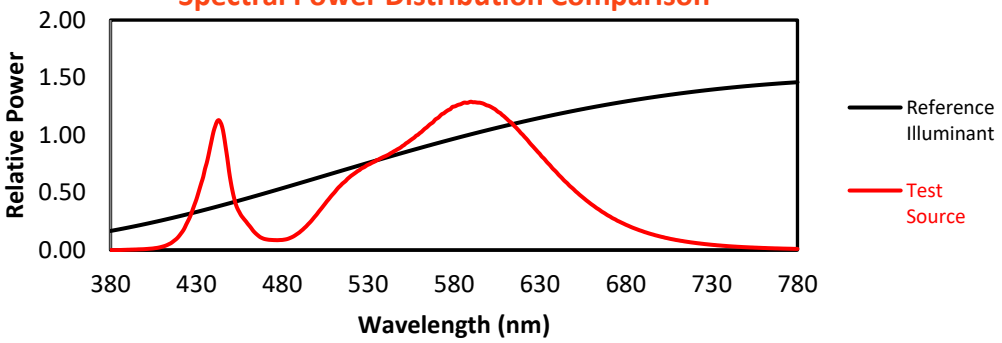
REPORT NUMBER: SP1-2407-184-5

TM-30-18

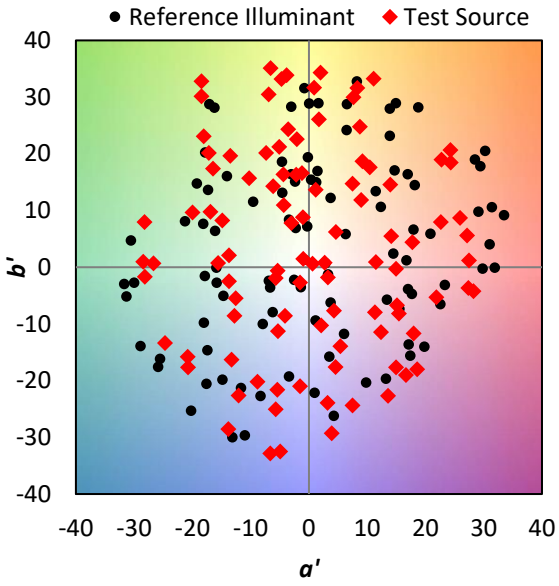
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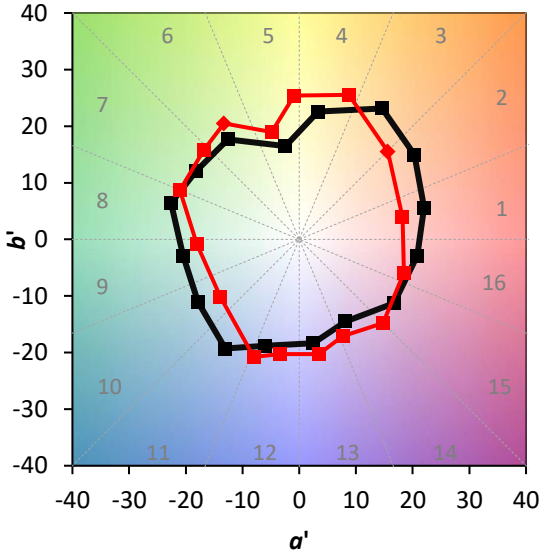
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

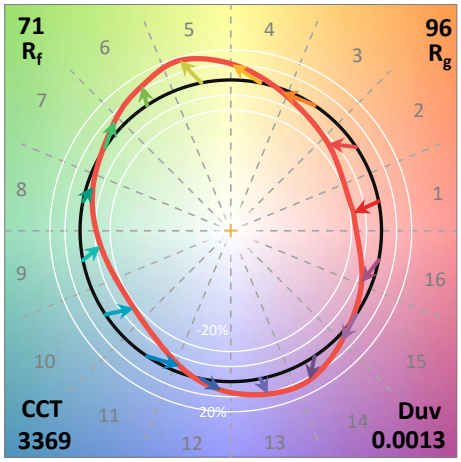
Spectral Power Distribution Comparison

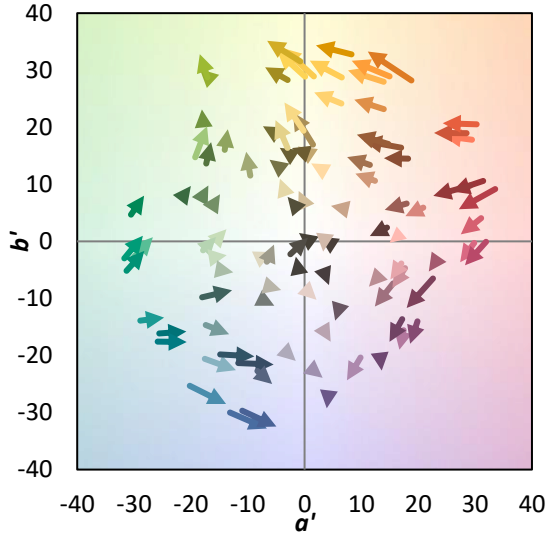


Color Vector Graphics







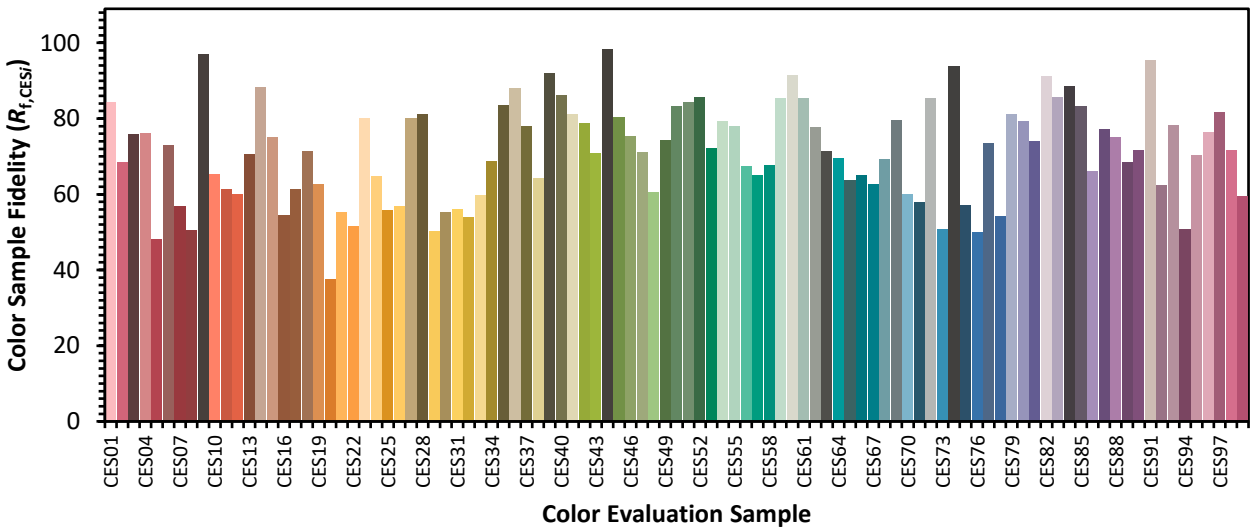


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Individual Sample Fidelity Index ($R_{f,i}$)

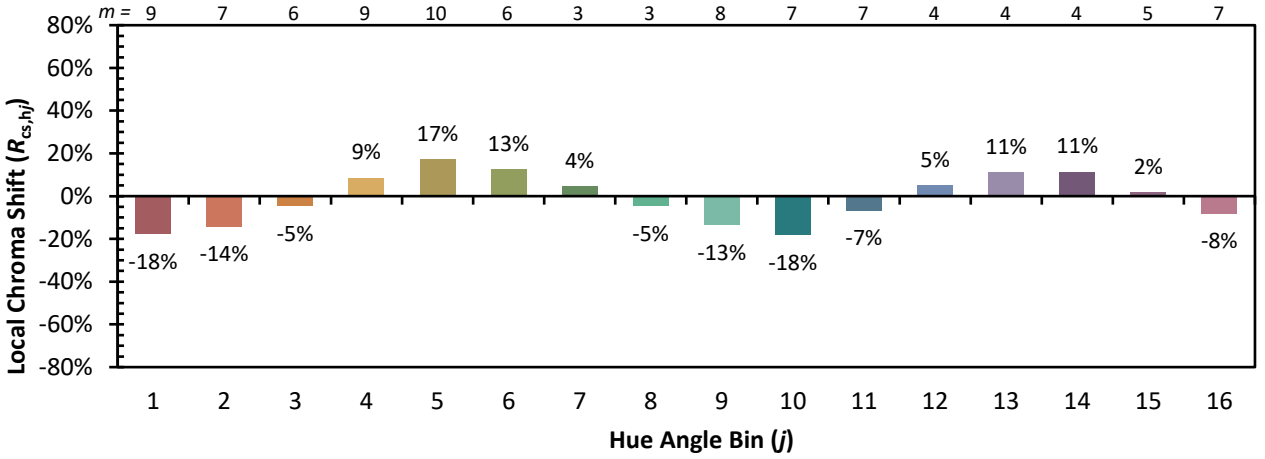
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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

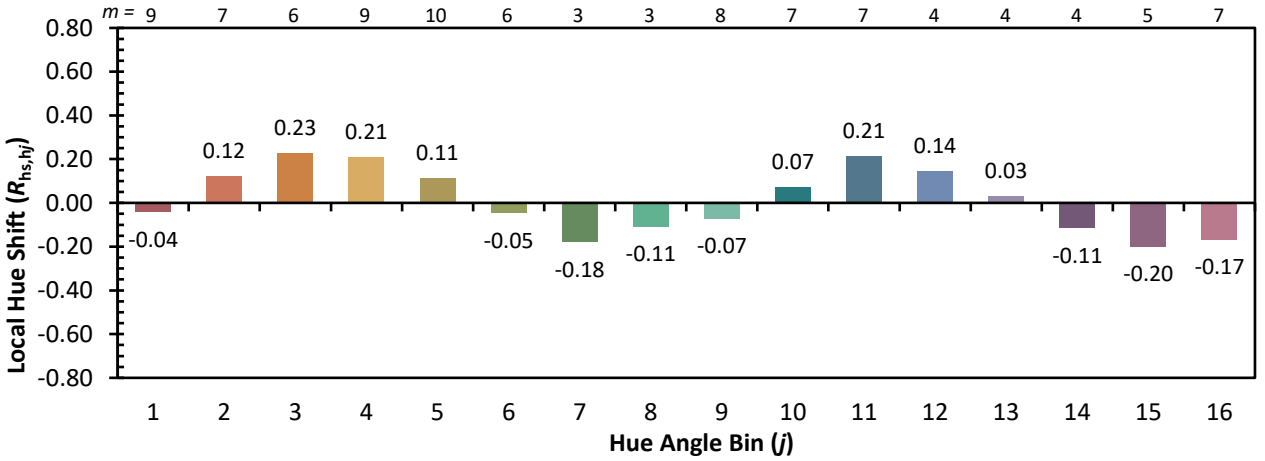


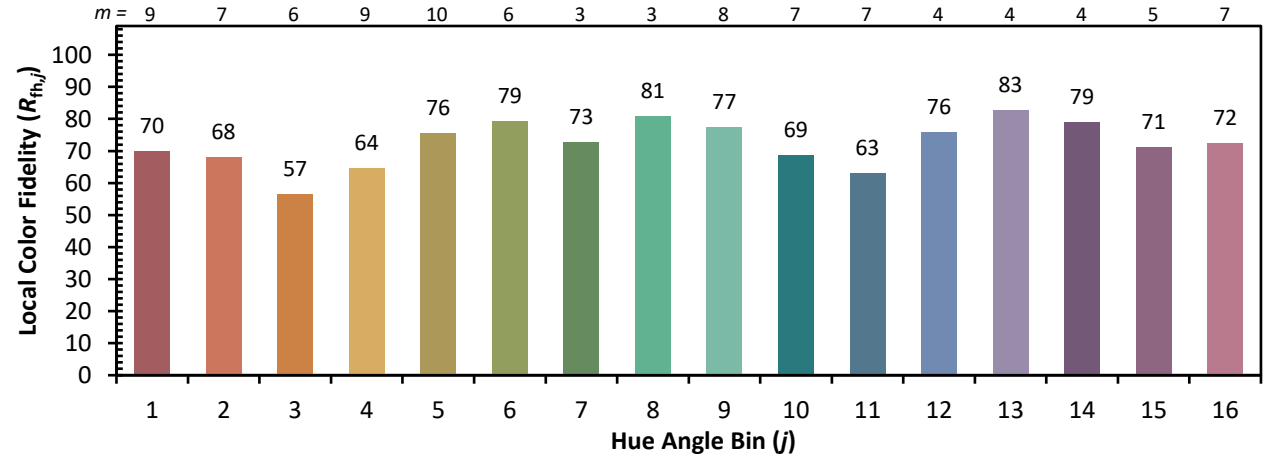
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Color Rendition by Hue-Angle Bin



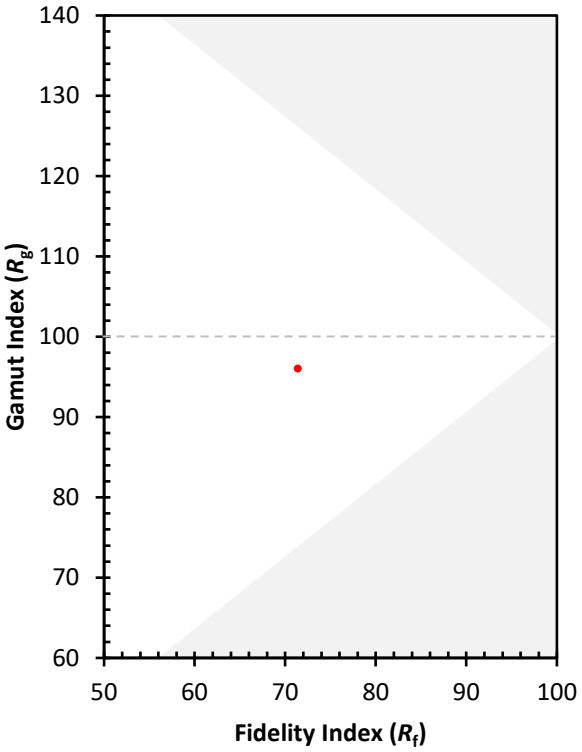


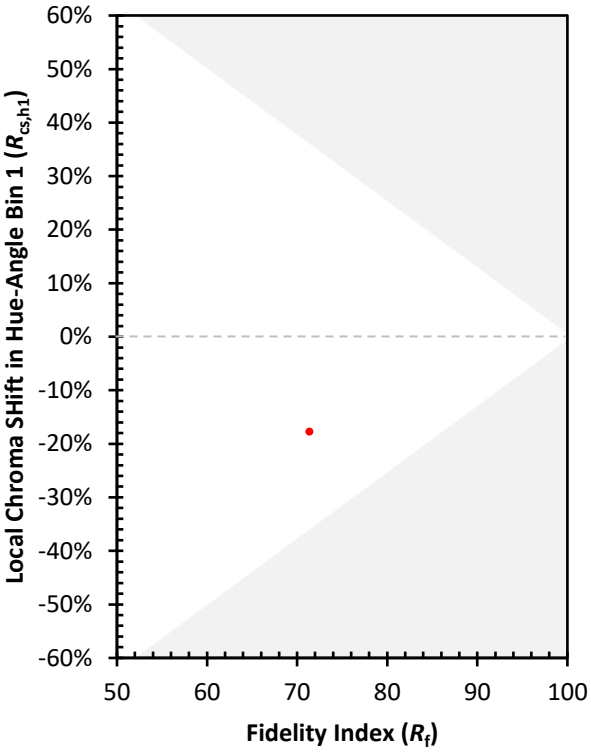


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Measure Comparisons





(END OF REPORT)