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: P1501410

Luminaire Tested: GSS-SB4B-730-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:	P1501410
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21860.5 lumens
Efficiency:	N/A
Efficacy:	147.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

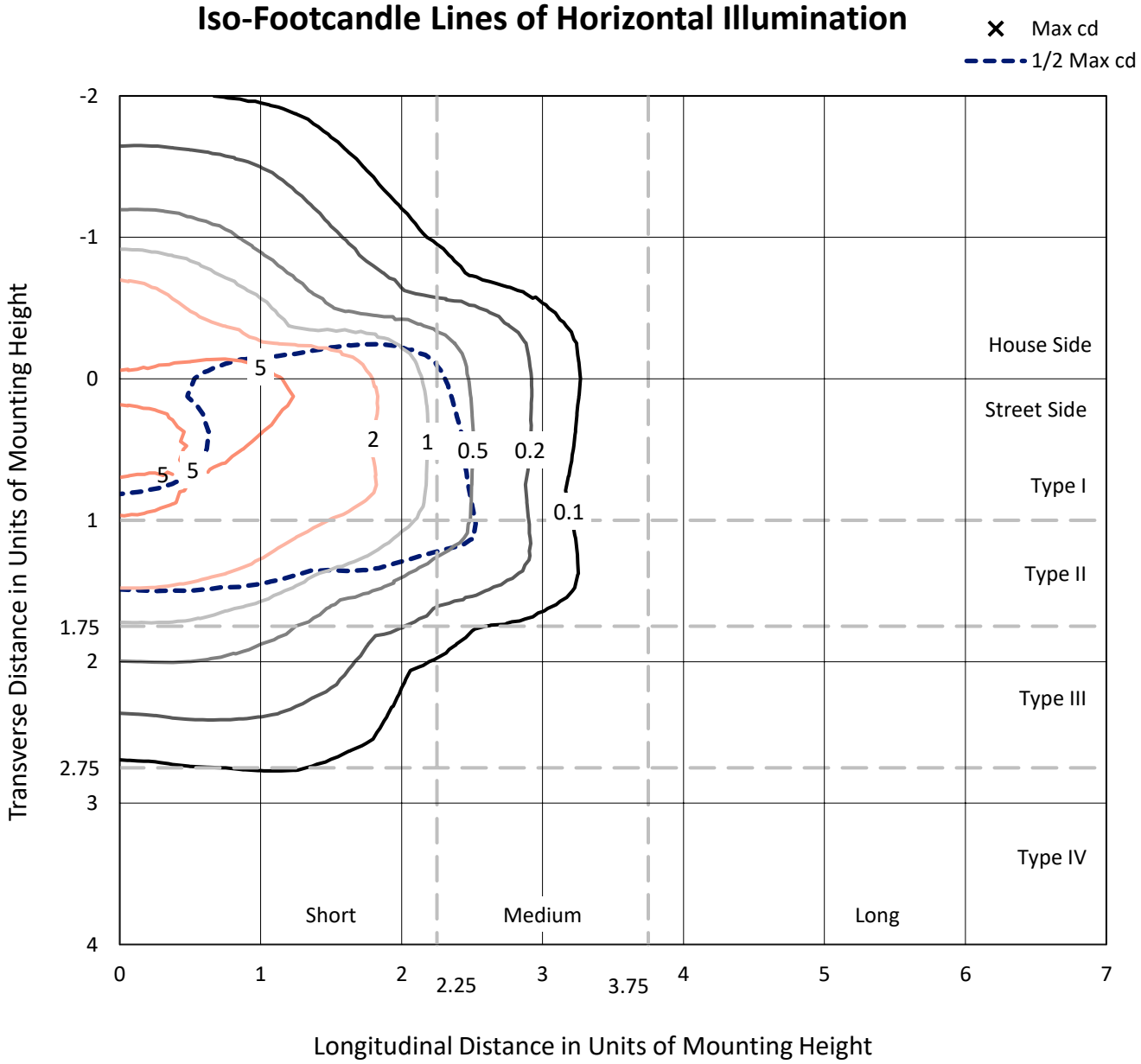
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



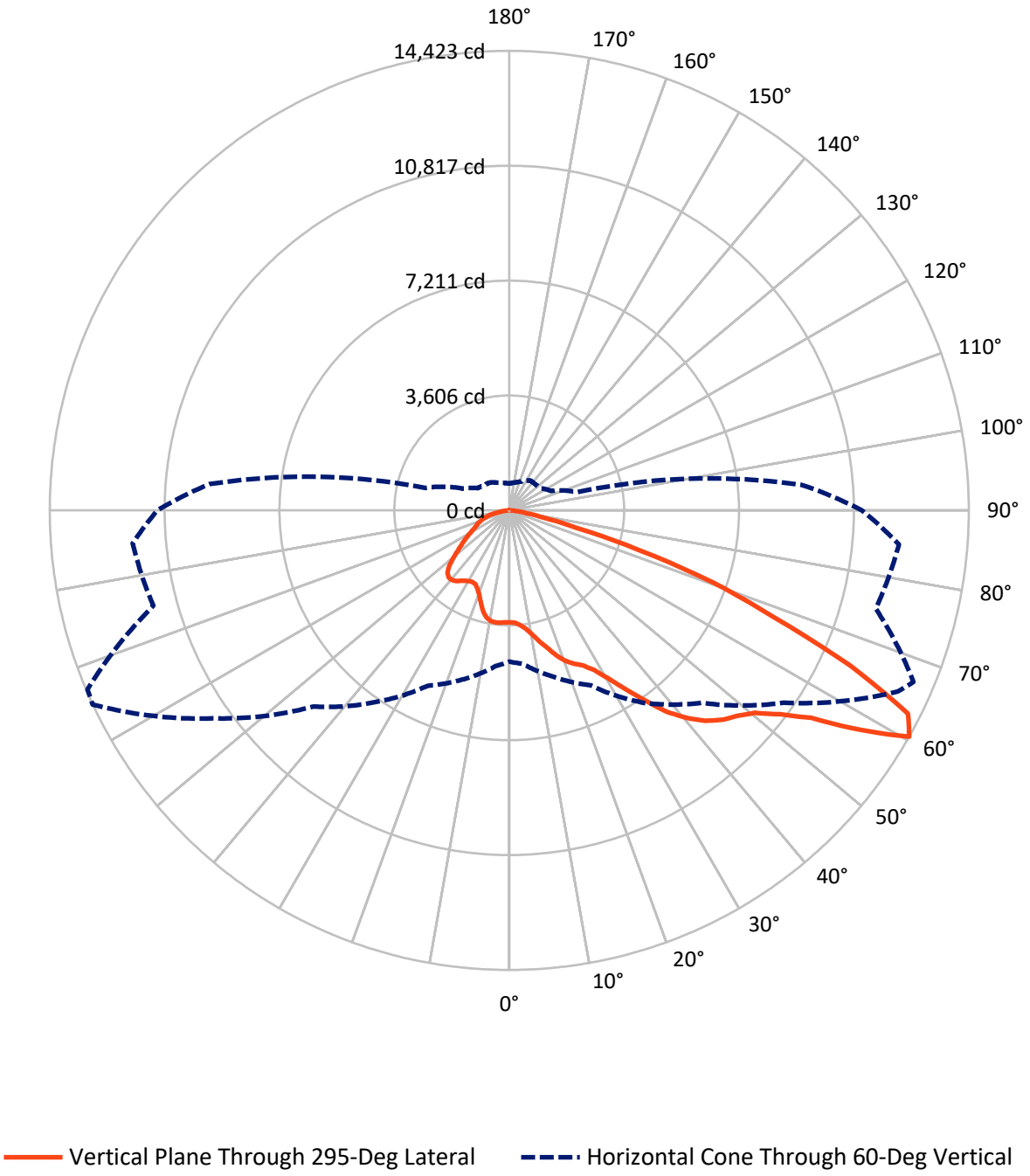
Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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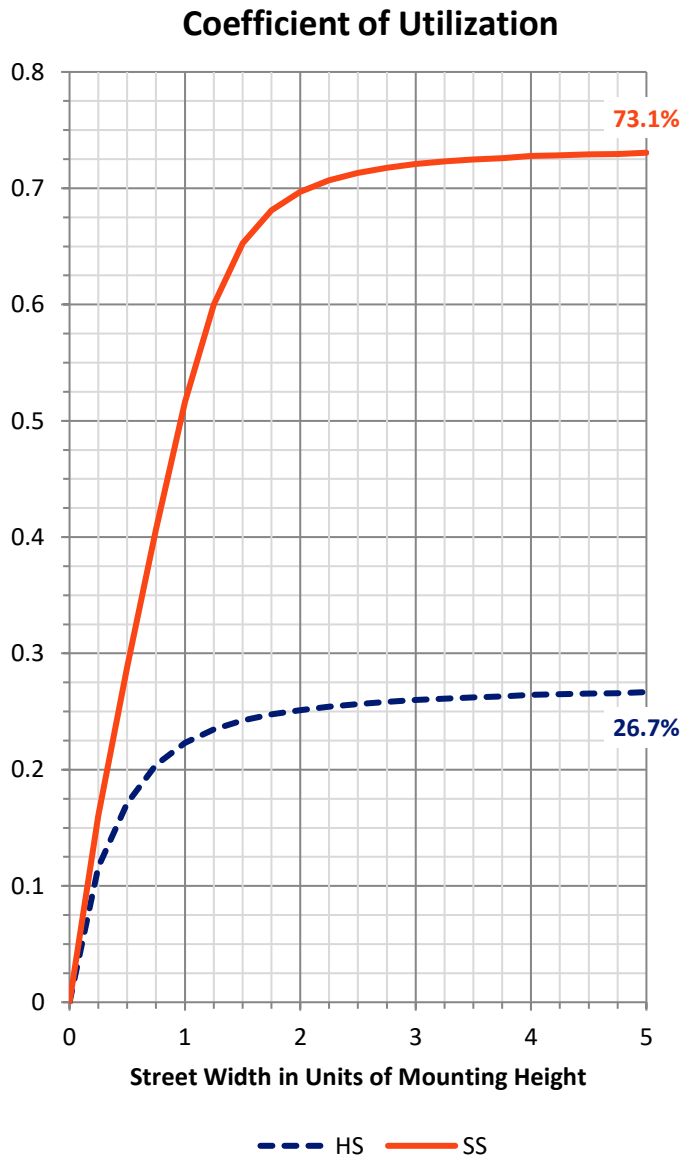
REPORT NUMBER: P1501410
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5878.6	0.0	5878.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	15981.9	0.0	15981.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	21860.5	0.0	21860.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.7	1.5
10°-20°	950.7	4.3
20°-30°	1800.7	8.2
30°-40°	3174.6	14.5
40°-50°	4694.9	21.5
50°-60°	5513.1	25.2
60°-70°	3994.5	18.3
70°-80°	1231.9	5.6
80°-90°	169.6	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°	21860.5	100.0
0°-180°	21860.5	100.0



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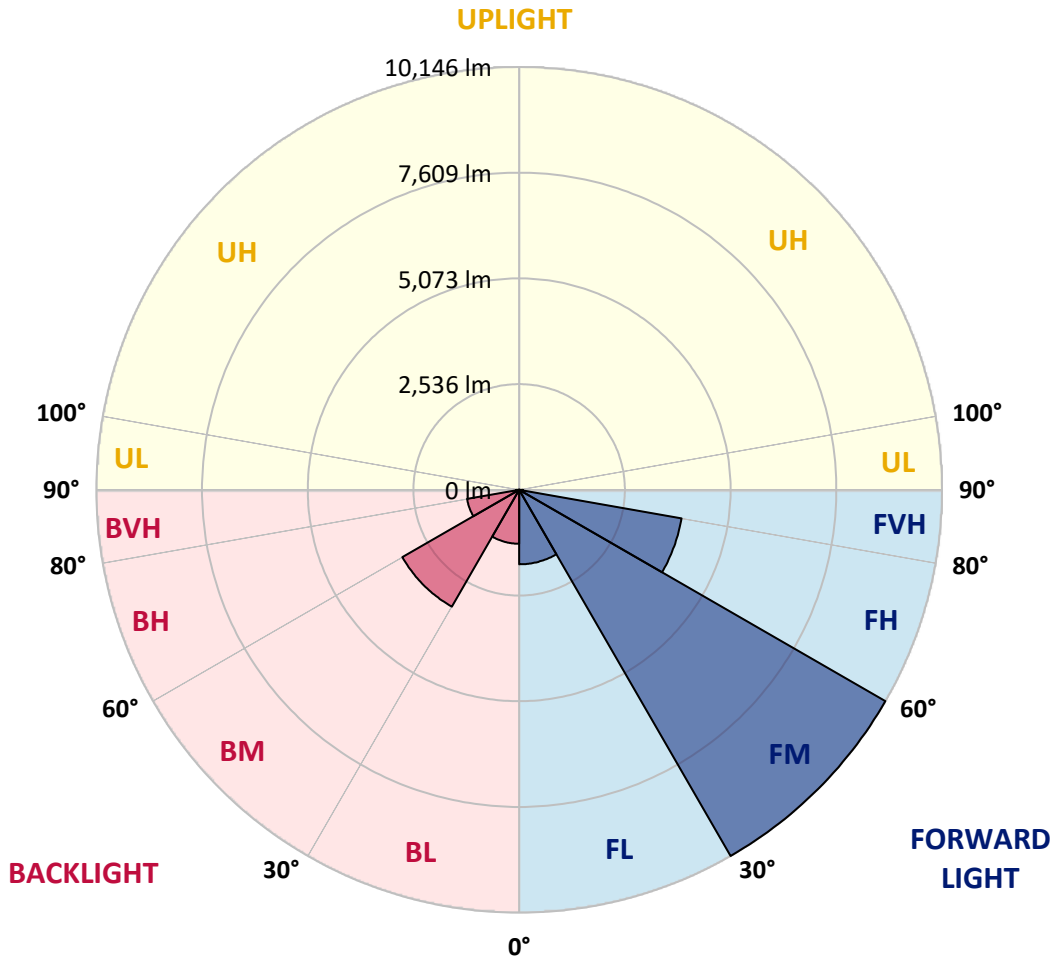
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1787.4	8.2			
FM	(30°-60°)	10145.6	46.4			
FH	(60°-80°)	3957.4	18.1			G2/5000
FVH	(80°-90°)	91.5	0.4			G1/100
BL	(0°-30°)	1294.7	5.9	B3/2500		
BM	(30°-60°)	3236.9	14.8	B3/5000		
BH	(60°-80°)	1268.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	78.1	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°	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3
2.5°	3587.0	3597.0	3582.0	3592.0	3592.0	3577.0	3572.1	3552.1	3562.1	3557.1	3552.1
5°	3671.7	3676.7	3666.7	3681.7	3681.7	3686.6	3681.7	3656.7	3656.7	3656.7	3646.8
7.5°	3646.8	3646.8	3651.8	3701.6	3751.4	3816.2	3816.2	3806.2	3816.2	3811.2	3766.3
10°	3437.5	3457.5	3502.3	3626.9	3746.4	3885.9	3980.6	4010.5	4010.5	4015.4	3940.7
12.5°	3063.9	3078.8	3183.5	3372.8	3621.9	3876.0	4105.1	4254.6	4269.5	4294.4	4194.8
15°	2730.1	2740.1	2814.8	3009.1	3293.1	3741.4	4174.9	4483.7	4533.6	4638.2	4488.7
17.5°	2760.0	2755.0	2774.9	2849.7	3053.9	3522.2	4159.9	4752.8	4842.4	5026.8	4897.3
20°	2939.3	2939.3	2954.3	2969.2	3044.0	3362.8	4050.3	4972.0	5146.3	5505.0	5355.6
22.5°	3223.3	3223.3	3218.3	3243.2	3243.2	3432.6	4055.3	5136.4	5395.4	6038.1	5893.6
25°	3616.9	3597.0	3597.0	3606.9	3562.1	3696.6	4179.9	5305.8	5644.5	6670.8	6546.3
27.5°	4060.3	4075.2	4065.3	4030.4	3970.6	4075.2	4478.8	5569.8	5923.5	7338.4	7288.6
30°	4543.5	4548.5	4558.5	4538.6	4488.7	4563.5	4947.1	5968.4	6292.2	8035.9	8145.5
32.5°	5016.8	5086.6	5061.7	5011.8	5031.8	5166.3	5525.0	6506.4	6840.2	8683.5	9072.1
35°	5619.6	5644.5	5744.2	5559.8	5564.8	5794.0	6262.3	7213.9	7537.7	9356.1	9998.8
37.5°	6496.5	6541.3	6496.5	6207.5	6162.7	6481.5	6979.7	7911.3	8145.5	9864.2	10860.6
40°	7358.3	7413.1	7487.9	7149.1	6865.1	7129.2	7657.2	8444.4	8688.5	10143.2	11433.6
42.5°	8070.7	8160.4	8080.7	7981.1	7722.0	7771.8	8130.5	8857.9	9102.0	10497.0	12011.5
45°	8673.6	8688.5	8723.4	8653.6	8524.1	8479.3	8534.1	9221.6	9490.6	10656.4	12295.4
47.5°	8922.7	8987.4	9017.3	9136.9	9271.4	9181.7	8877.8	9391.0	9635.1	10646.4	12385.1
50°	8788.1	8852.9	9012.3	9296.3	9620.1	9779.6	9281.4	9625.1	9899.1	10825.8	12569.4
52.5°	8434.4	8504.2	8763.2	9087.1	9630.1	9993.8	9849.3	10113.3	10377.4	11144.6	12878.3
55°	7577.5	7682.2	8045.8	8583.9	9331.2	9879.2	10447.1	10830.7	11119.7	11528.2	13197.2
57.5°	6332.1	6441.7	6850.2	7657.2	8778.2	9405.9	10621.5	12175.9	12305.4	11986.6	13227.1
60°	*4742.8*	*4832.5*	*5410.4*	*6058.0*	*7373.3*	*8539.1*	*10521.9*	*13451.2*	*13780.1*	*11906.8*	*12275.5*
62.5°	3756.4	3866.0	4379.1	4678.0	5619.6	7054.4	10173.1	13805.0	14088.9	11249.2	10950.3
65°	2934.4	3009.1	3487.4	3915.8	4145.0	4817.5	8718.4	12076.2	12330.3	10178.1	9037.2
67.5°	1938.0	2052.6	2620.5	3208.4	3327.9	3063.9	5998.3	9291.3	9410.9	8090.7	6795.4
70°	1390.0	1444.8	1868.2	2496.0	2675.3	2052.6	3268.2	7034.5	7069.4	5430.3	4578.4
72.5°	946.6	956.5	1270.4	1913.1	2132.3	1489.6	1798.5	4633.2	4513.6	2680.3	2620.5
75°	642.7	652.6	812.1	1275.4	1509.5	1036.2	1170.8	2525.8	2426.2	1479.6	1589.2
77.5°	433.4	443.4	558.0	856.9	1006.4	717.4	856.9	1335.2	1310.3	981.4	851.9
80°	328.8	343.8	413.5	548.0	702.5	418.5	488.2	632.7	642.7	523.1	433.4
82.5°	184.3	204.3	249.1	279.0	453.4	234.2	234.2	378.6	363.7	323.8	234.2
85°	79.7	84.7	99.6	104.6	184.3	99.6	84.7	164.4	169.4	159.4	74.7
87.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	19.9	19.9	19.9	19.9
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°	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3
2.5°	3527.2	3557.1	3527.2	3512.3	3512.3	3487.4	3477.4	3477.4	3442.5	3457.5	3447.5
5°	3606.9	3616.9	3582.0	3537.2	3477.4	3427.6	3357.8	3268.2	3213.4	3208.4	3213.4
7.5°	3731.5	3736.5	3641.8	3542.2	3392.7	3213.4	2999.1	2824.8	2670.3	2645.4	2675.3
10°	3905.8	3895.9	3756.4	3522.2	3208.4	2829.7	2500.9	2341.5	2251.8	2246.9	2241.9
12.5°	4140.0	4075.2	3861.0	3437.5	2889.5	2451.1	2281.7	2271.8	2296.7	2316.6	2321.6
15°	4409.0	4324.3	3945.7	3273.1	2565.7	2311.6	2321.6	2406.3	2436.2	2456.1	2456.1
17.5°	4742.8	4633.2	4040.4	3039.0	2401.3	2341.5	2411.3	2491.0	2540.8	2560.7	2555.7
20°	5186.2	4957.0	4115.1	2814.8	2356.5	2391.3	2451.1	2530.8	2580.6	2605.6	2605.6
22.5°	5629.6	5345.6	4130.0	2660.4	2356.5	2396.3	2451.1	2530.8	2585.6	2610.5	2605.6
25°	6232.4	5843.8	4135.0	2550.8	2361.4	2371.4	2421.2	2491.0	2570.7	2595.6	2605.6
27.5°	6875.1	6391.8	4159.9	2525.8	2341.5	2336.5	2371.4	2436.2	2515.9	2580.6	2585.6
30°	7672.2	7009.6	4169.9	2550.8	2346.5	2281.7	2306.6	2371.4	2456.1	2520.9	2540.8
32.5°	8454.4	7582.5	4150.0	2605.6	2356.5	2246.9	2251.8	2291.7	2381.4	2426.2	2461.1
35°	9281.4	8190.3	4115.1	2680.3	2361.4	2231.9	2187.1	2207.0	2266.8	2271.8	2286.7
37.5°	9929.0	8643.7	4010.5	2779.9	2371.4	2177.1	2087.4	2072.5	2047.6	1997.8	2007.7
40°	10462.1	8947.6	3836.1	2829.7	2346.5	2112.3	1962.9	1893.1	1798.5	1723.8	1738.7
42.5°	10845.7	9151.8	3626.9	2839.7	2306.6	2002.7	1818.4	1698.8	1594.2	1514.5	1519.5
45°	11015.1	9131.9	3402.7	2765.0	2212.0	1868.2	1683.9	1569.3	1454.7	1370.0	1360.1
47.5°	11020.1	8937.6	3093.8	2585.6	2052.6	1713.8	1559.3	1434.8	1340.1	1280.4	1275.4
50°	11059.9	8828.0	2804.8	2326.6	1843.3	1549.4	1449.7	1325.2	1270.4	1185.7	1160.8
52.5°	11309.0	9007.4	2605.6	2042.6	1649.0	1429.8	1355.1	1245.5	1155.8	1101.0	1096.0
55°	11712.6	9316.2	2496.0	1828.4	1464.7	1315.2	1265.4	1170.8	1091.0	1036.2	1021.3
57.5°	11762.4	9475.7	2366.4	1629.1	1315.2	1225.6	1205.6	1101.0	986.4	946.6	931.6
60°	*11064.9*	*9206.6*	*2207.0*	*1444.8*	*1205.6*	*1155.8*	*1145.8*	*1006.4*	*911.7*	*861.9*	*841.9*
62.5°	10113.3	8534.1	1962.9	1275.4	1120.9	1086.1	1046.2	936.6	817.0	762.2	747.3
65°	8265.0	7174.0	1669.0	1160.8	1036.2	996.4	986.4	837.0	757.3	727.4	722.4
67.5°	6262.3	5764.1	1469.7	1076.1	946.6	931.6	896.7	846.9	812.1	777.2	767.2
70°	4428.9	4159.9	1250.5	966.5	856.9	832.0	976.5	921.7	797.1	752.3	747.3
72.5°	2685.3	2610.5	1081.1	866.9	737.3	777.2	901.7	832.0	717.4	662.6	642.7
75°	1693.9	1549.4	906.7	737.3	587.9	632.7	787.1	742.3	617.8	563.0	548.0
77.5°	921.7	856.9	682.5	602.8	463.3	513.1	687.5	612.8	493.2	538.0	478.3
80°	403.5	448.4	453.4	348.7	308.9	378.6	493.2	478.3	378.6	383.6	318.8
82.5°	194.3	254.1	293.9	239.1	174.4	224.2	328.8	274.0	254.1	239.1	229.2
85°	59.8	94.7	129.5	114.6	79.7	94.7	154.4	149.5	179.3	154.4	144.5
87.5°	19.9	19.9	14.9	14.9	14.9	19.9	24.9	14.9	5.0	5.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3
2.5°	3442.5	3447.5	3447.5	3452.5	3452.5	3467.4	3487.4	3507.3	3492.3	3512.3	3517.3
5°	3203.4	3228.3	3248.2	3323.0	3382.7	3432.6	3487.4	3537.2	3552.1	3562.1	3587.0
7.5°	2640.4	2710.2	2839.7	3009.1	3198.4	3382.7	3507.3	3636.8	3656.7	3681.7	3716.5
10°	2246.9	2276.7	2366.4	2540.8	2879.6	3243.2	3547.1	3751.4	3836.1	3885.9	3920.8
12.5°	2311.6	2291.7	2276.7	2301.7	2520.9	2989.2	3522.2	3915.8	4075.2	4130.0	4174.9
15°	2466.1	2446.1	2391.3	2321.6	2346.5	2720.1	3437.5	4070.2	4324.3	4414.0	4508.7
17.5°	2555.7	2535.8	2491.0	2416.2	2351.5	2496.0	3278.1	4209.7	4717.9	4827.5	4962.0
20°	2605.6	2585.6	2540.8	2466.1	2391.3	2411.3	3073.9	4384.1	5166.3	5340.6	5539.9
22.5°	2615.5	2590.6	2540.8	2466.1	2421.2	2406.3	2879.6	4488.7	5649.5	5918.5	6147.7
25°	2610.5	2565.7	2500.9	2446.1	2421.2	2416.2	2745.1	4548.5	6172.6	6601.1	6860.1
27.5°	2575.7	2520.9	2456.1	2416.2	2406.3	2436.2	2685.3	4618.3	6785.4	7333.4	7746.9
30°	2535.8	2456.1	2376.4	2361.4	2386.4	2481.0	2735.1	4643.2	7428.1	8130.5	8554.0
32.5°	2431.2	2371.4	2291.7	2286.7	2346.5	2515.9	2849.7	4608.3	7996.0	8927.6	9460.7
35°	2281.7	2246.9	2202.0	2217.0	2311.6	2545.8	2929.4	4498.7	8514.1	9670.0	10292.7
37.5°	2017.7	2042.6	2067.5	2102.4	2221.9	2540.8	2964.3	4324.3	8942.6	10262.8	11059.9
40°	1723.8	1808.4	1888.2	1977.8	2137.3	2500.9	2974.2	4110.1	9191.7	10711.2	11742.4
42.5°	1539.4	1619.1	1718.8	1848.3	2022.7	2411.3	2964.3	3871.0	9271.4	11020.1	12175.9
45°	1370.0	1464.7	1589.2	1723.8	1923.0	2281.7	2874.6	3611.9	9311.3	11164.5	12360.2
47.5°	1280.4	1335.2	1449.7	1584.3	1793.5	2122.3	2700.2	3422.6	9251.5	11194.4	12584.4
50°	1175.7	1250.5	1325.2	1454.7	1659.0	1923.0	2491.0	3313.0	9351.1	11488.4	12938.1
52.5°	1096.0	1135.9	1215.6	1335.2	1484.6	1738.7	2291.7	3223.3	9625.1	11787.3	13306.8
55°	1036.2	1081.1	1130.9	1230.5	1345.1	1554.4	2087.4	3088.8	9944.0	12106.1	13675.4
57.5°	941.6	971.5	1041.2	1145.8	1220.6	1375.0	1848.3	2929.4	9919.1	11857.0	13037.7
60°	*856.9*	*886.8*	*961.5*	*1066.1*	*1111.0*	*1215.6*	*1614.1*	*2725.1*	*9440.8*	*11045.0*	*11862.0*
62.5°	762.2	797.1	886.8	961.5	1001.4	1081.1	1370.0	2351.5	8444.4	9824.4	10487.0
65°	722.4	742.3	802.1	891.8	886.8	961.5	1155.8	1848.3	6795.4	7507.8	8110.6
67.5°	767.2	797.1	787.1	812.1	797.1	837.0	1036.2	1484.6	5340.6	5654.5	6003.2
70°	757.3	827.0	861.9	812.1	697.5	742.3	896.7	1185.7	3821.2	3791.3	3776.3
72.5°	662.6	732.3	832.0	881.8	682.5	617.8	777.2	1026.3	2451.1	2441.2	2207.0
75°	563.0	612.8	732.3	797.1	587.9	498.2	667.6	871.8	1464.7	1484.6	1325.2
77.5°	518.1	493.2	612.8	702.5	478.3	383.6	538.0	657.6	807.1	817.0	757.3
80°	373.6	358.7	458.3	513.1	363.7	274.0	303.9	408.5	433.4	388.6	403.5
82.5°	239.1	244.1	274.0	328.8	224.2	149.5	209.2	274.0	234.2	189.3	224.2
85°	154.4	174.4	144.5	169.4	69.7	69.7	89.7	119.6	79.7	54.8	59.8
87.5°	0.0	0.0	10.0	19.9	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: P1501410
CATALOG NUMBER: GSS-SB4B-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3517.3	3517.3	*3517.3*	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3	3517.3
2.5°	3532.2	3527.2	*3527.2*	3537.2	3562.1	3572.1	3587.0	3582.0	3597.0	3587.0
5°	3601.9	3606.9	*3621.9*	3626.9	3641.8	3661.7	3666.7	3661.7	3671.7	3671.7
7.5°	3741.4	3761.4	*3751.4*	3776.3	3756.4	3731.5	3691.6	3661.7	3636.8	3646.8
10°	3975.6	3965.6	*3960.6*	3915.8	3826.1	3696.6	3592.0	3477.4	3457.5	3437.5
12.5°	4234.7	4224.7	*4224.7*	4070.2	3816.2	3547.1	3308.0	3128.7	3068.9	3063.9
15°	4598.3	4533.6	*4473.8*	4150.0	3641.8	3183.5	2904.5	2765.0	2730.1	2730.1
17.5°	5051.7	4882.3	*4782.7*	4090.2	3357.8	2944.3	2779.9	2745.1	2735.1	2760.0
20°	5614.7	5186.2	*5041.7*	3955.7	3253.2	2974.2	2894.5	2899.5	2904.5	2939.3
22.5°	6232.4	5465.2	*5226.1*	3955.7	3357.8	3163.5	3123.7	3178.5	3193.4	3223.3
25°	6919.9	5714.3	*5390.5*	4164.9	3666.7	3522.2	3472.4	3527.2	3567.1	3616.9
27.5°	7692.1	5973.4	*5674.4*	4543.5	4065.3	3975.6	3920.8	3945.7	4000.5	4060.3
30°	8384.6	6406.8	*6107.9*	5121.4	4608.3	4498.7	4404.0	4443.9	4503.7	4543.5
32.5°	8997.4	6934.9	*6680.8*	5729.2	5231.0	5041.7	4937.1	4927.1	5046.7	5016.8
35°	9560.4	7557.6	*7313.5*	6421.7	5863.7	5629.6	5490.1	5669.5	5589.7	5619.6
37.5°	10003.7	8205.3	*8011.0*	7084.3	6521.4	6202.5	6117.8	6337.0	6461.6	6496.5
40°	10367.4	8768.2	*8564.0*	7741.9	7124.2	6890.0	7024.5	7388.2	7373.3	7358.3
42.5°	10646.4	9251.5	*9027.3*	8240.1	7702.1	7746.9	7851.5	8095.7	8155.4	8070.7
45°	10771.0	9555.4	*9376.0*	8633.7	8359.7	8618.8	8663.6	8768.2	8728.4	8673.6
47.5°	10915.4	9824.4	*9635.1*	8992.4	9072.1	9326.2	9236.5	9151.8	9007.4	8922.7
50°	11159.6	10143.2	*9983.8*	9515.5	9804.5	9719.8	9371.0	9181.7	8887.8	8788.1
52.5°	11622.9	10746.1	*10626.5*	10342.5	10148.2	9660.0	9236.5	8897.8	8568.9	8434.4
55°	12036.4	11563.1	*11493.3*	11114.7	10043.6	9346.1	8778.2	8255.1	7692.1	7577.5
57.5°	12275.5	12918.2	*12997.9*	11443.5	9565.3	8633.7	7796.7	6959.8	6426.7	6332.1
60°	*11563.1*	*14382.9*	*14422.7*	*11378.8*	*8703.5*	*7348.4*	*6073.0*	*5480.1*	*4907.2*	*4742.8*
62.5°	10581.6	14079.0	*14044.1*	10990.2	6929.9	5360.6	4613.3	4334.3	3890.9	3756.4
65°	9097.0	11727.5	*11767.4*	9495.6	4608.3	3876.0	3876.0	3522.2	3029.0	2934.4
67.5°	7413.1	9042.2	*8952.6*	6157.7	2829.7	3103.8	3253.2	2745.1	2052.6	1938.0
70°	4817.5	6905.0	*6780.4*	3552.1	1778.6	2585.6	2560.7	2062.5	1469.7	1390.0
72.5°	2072.5	3990.5	*4244.6*	1813.4	1340.1	2082.5	2042.6	1444.8	981.4	946.6
75°	1250.5	2007.7	*2187.1*	1155.8	976.5	1569.3	1414.9	916.7	667.6	642.7
77.5°	792.1	1101.0	*1091.0*	866.9	732.3	1061.2	951.6	632.7	453.4	433.4
80°	458.3	543.0	*563.0*	543.0	493.2	757.3	607.8	458.3	353.7	328.8
82.5°	293.9	338.8	*343.8*	264.0	274.0	488.2	328.8	269.0	204.3	184.3
85°	129.5	144.5	*139.5*	89.7	89.7	199.3	114.6	109.6	79.7	79.7
87.5°	5.0	10.0	*5.0*	5.0	5.0	19.9	10.0	14.9	14.9	14.9
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

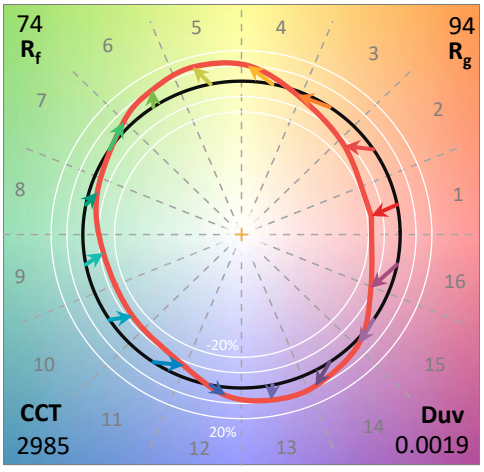
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

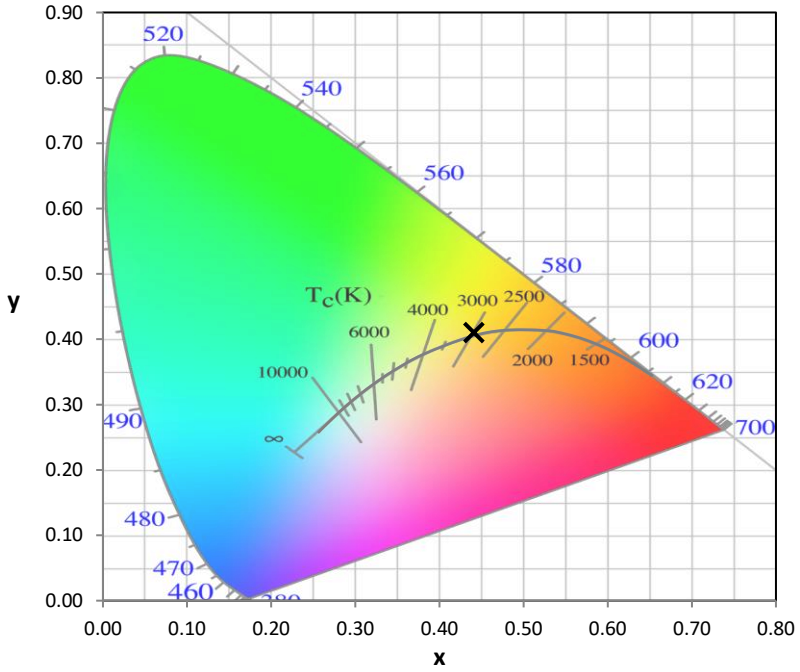
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

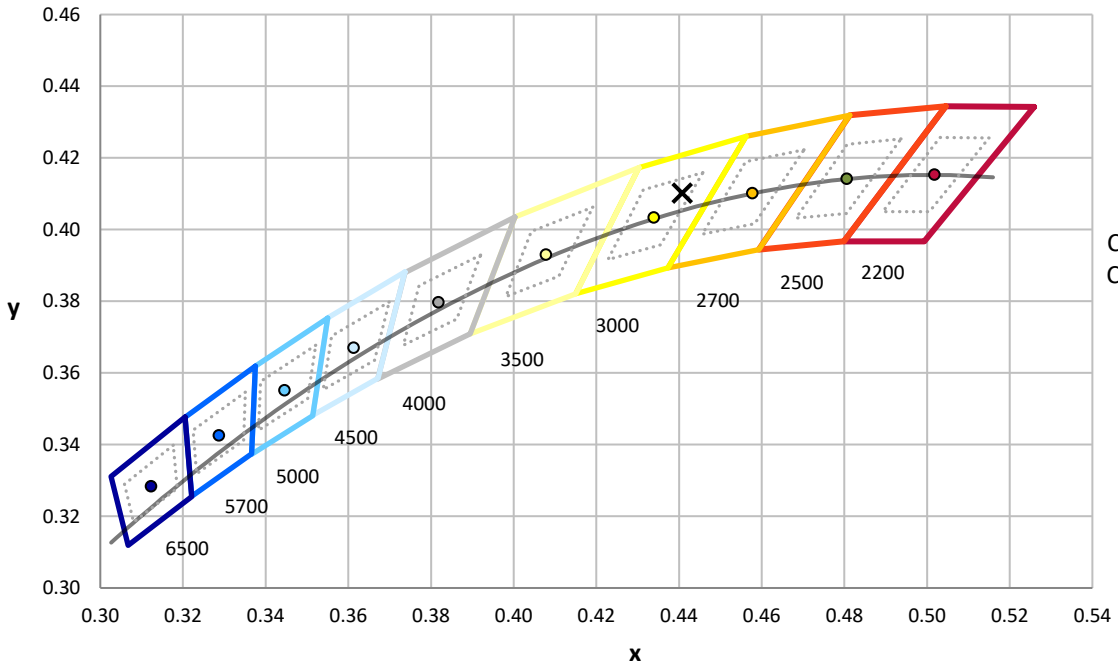
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

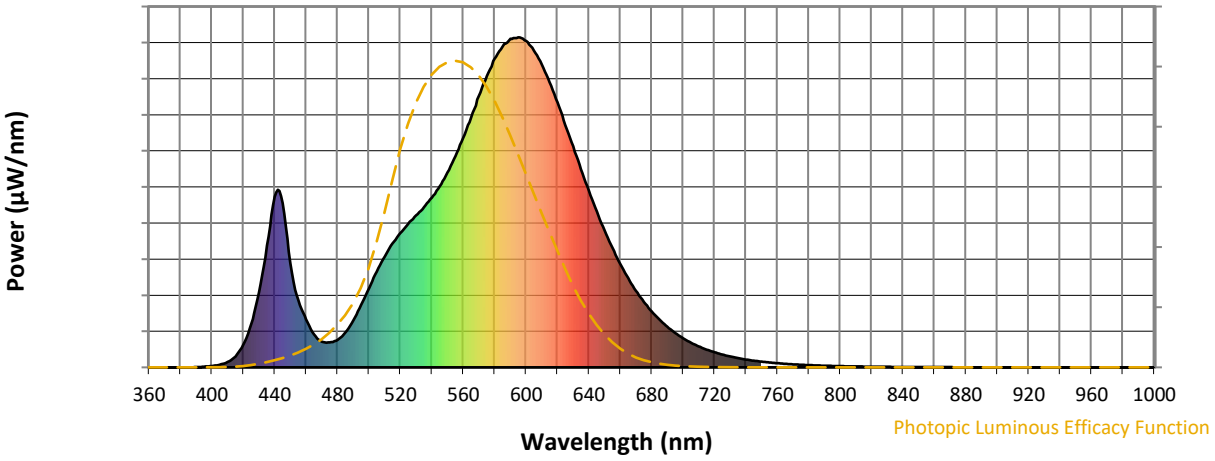


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

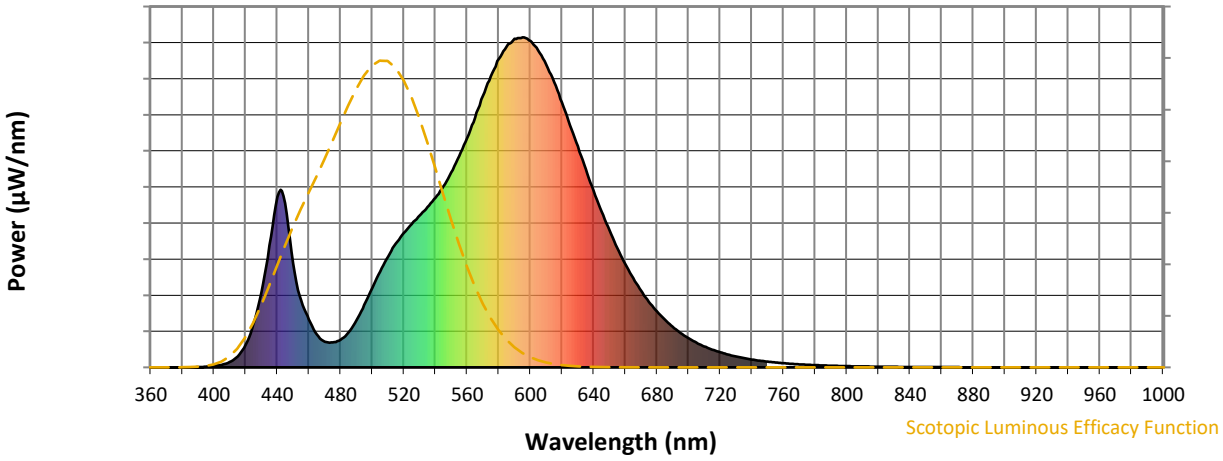


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

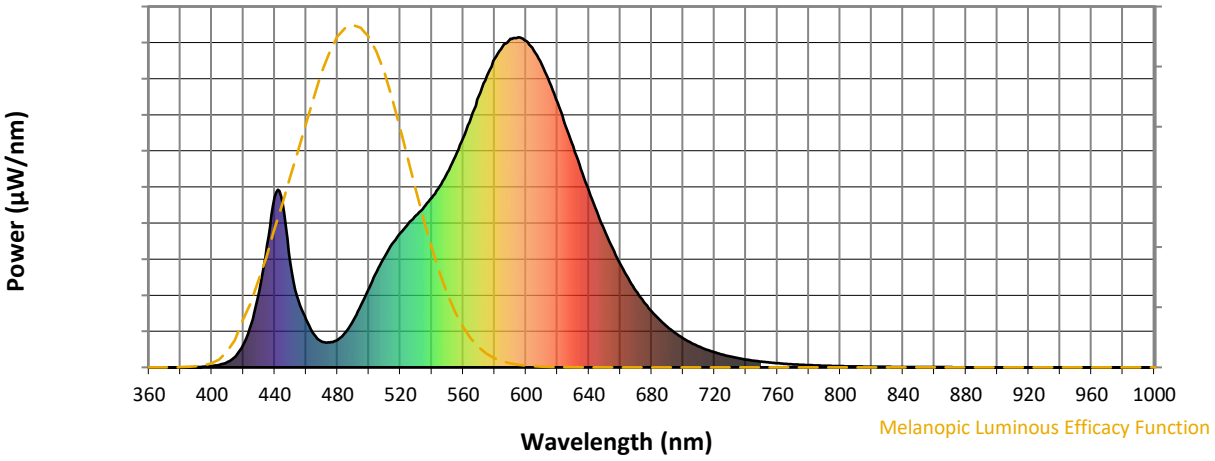


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

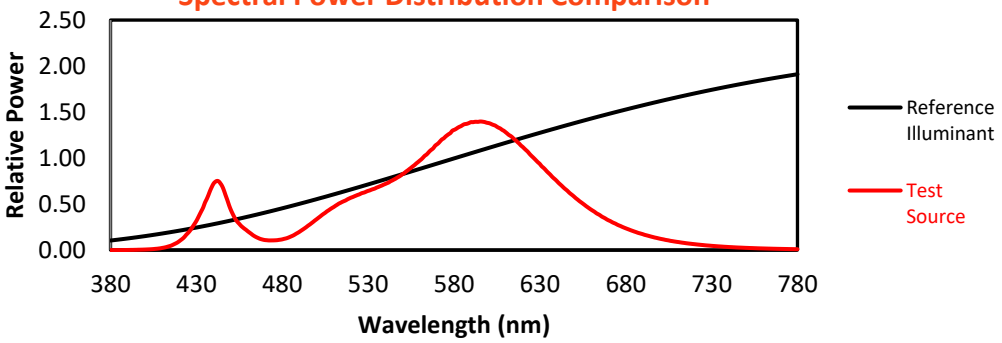
REPORT NUMBER: SP1-2407-184-4

TM-30-18

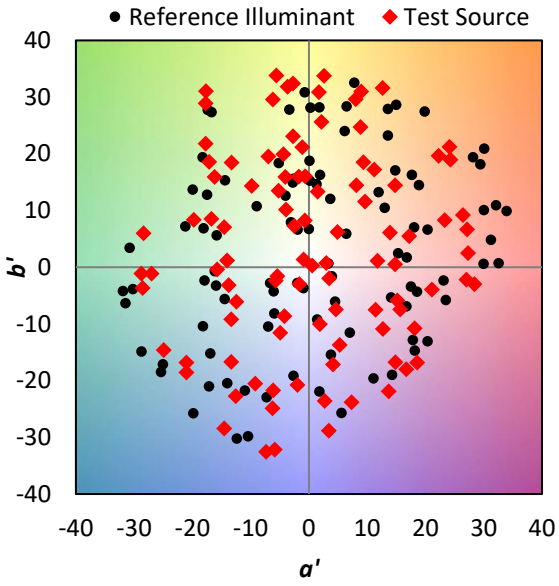
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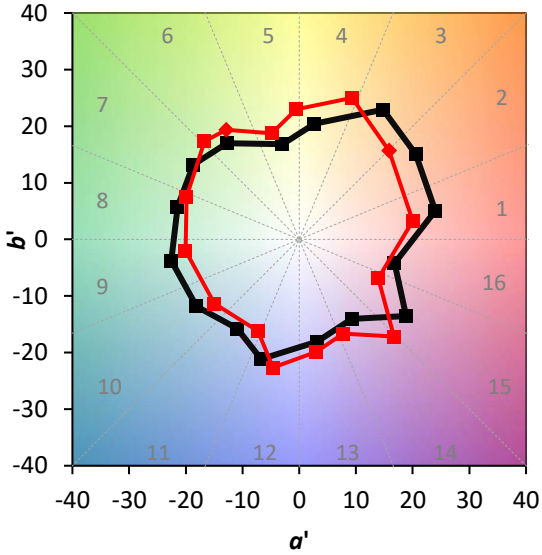
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

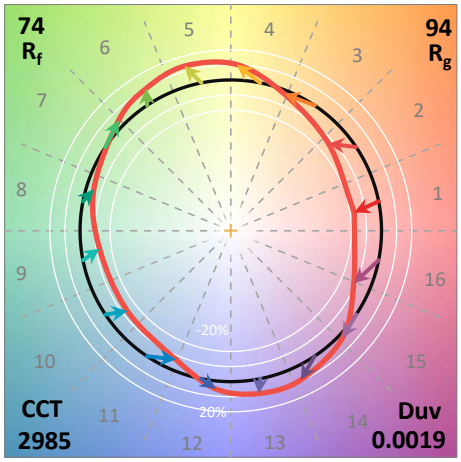
Spectral Power Distribution Comparison

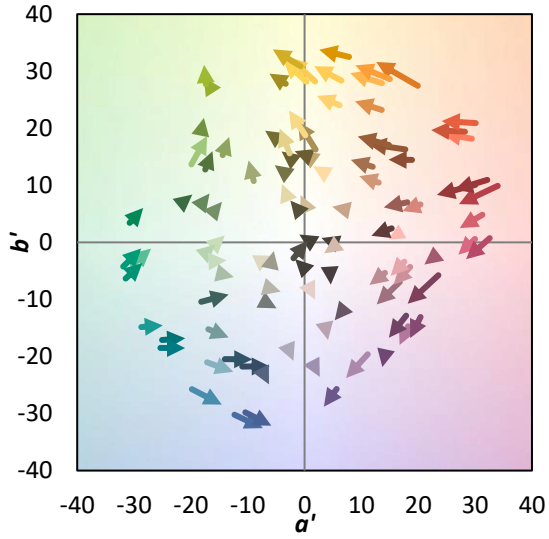


Color Vector Graphics







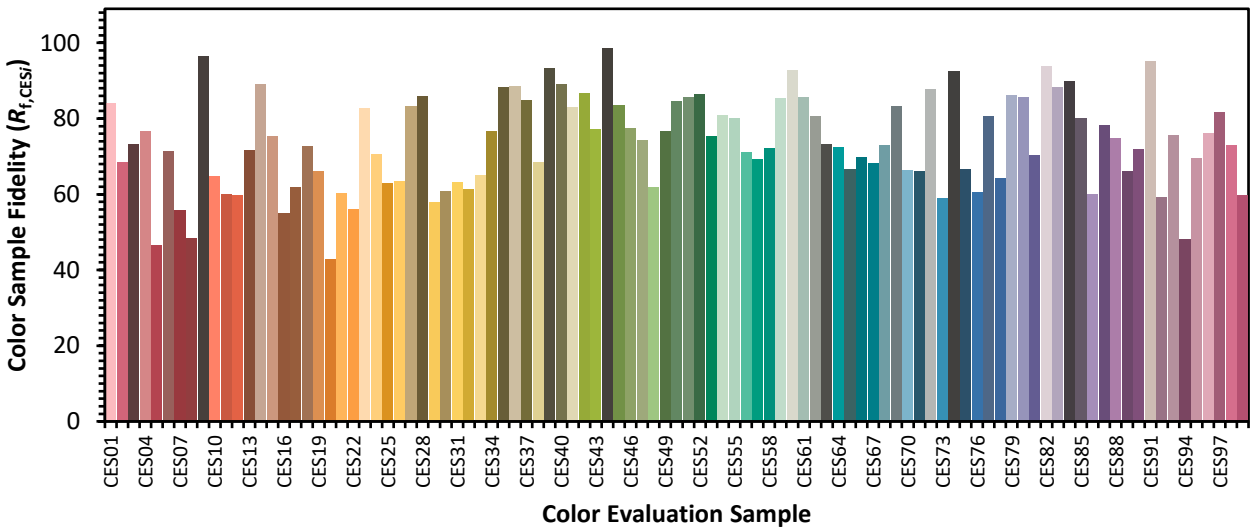


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Individual Sample Fidelity Index ($R_{f,i}$)

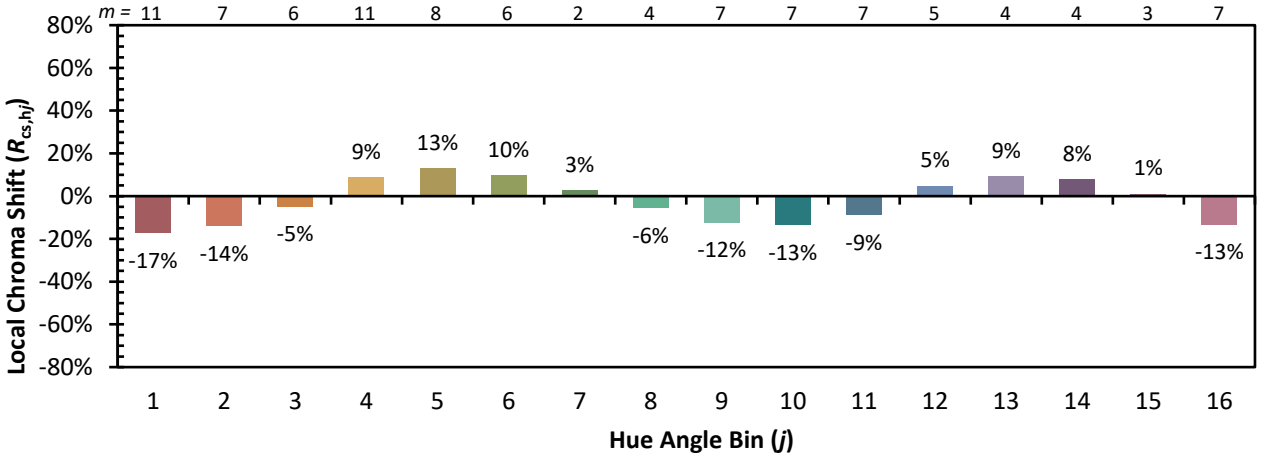
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

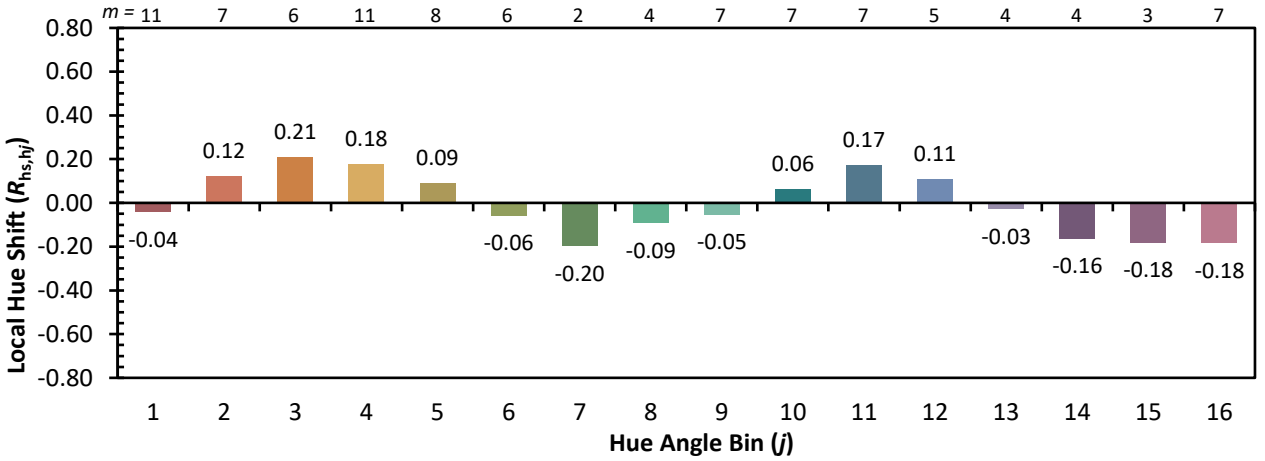


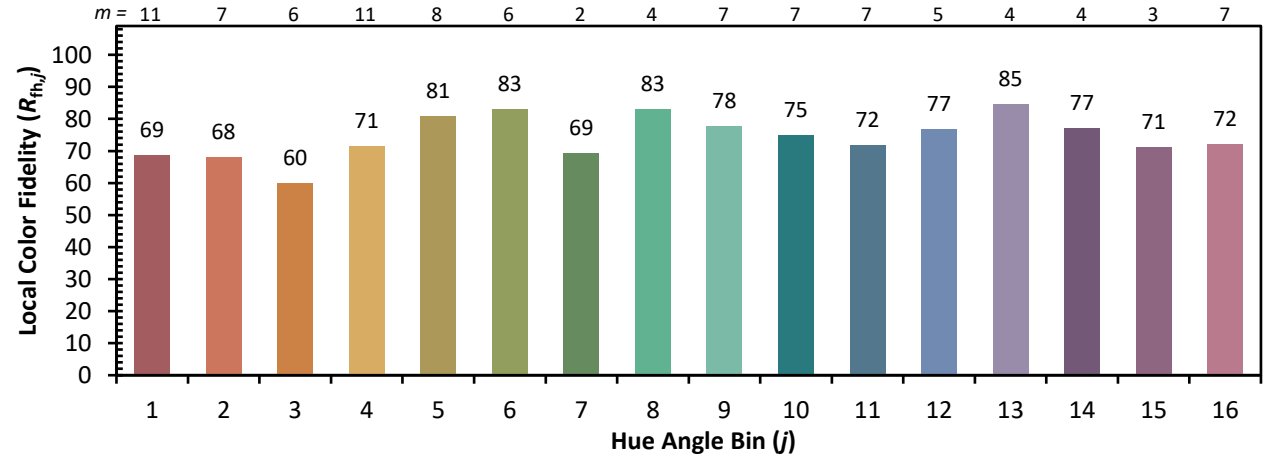
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Color Rendition by Hue-Angle Bin



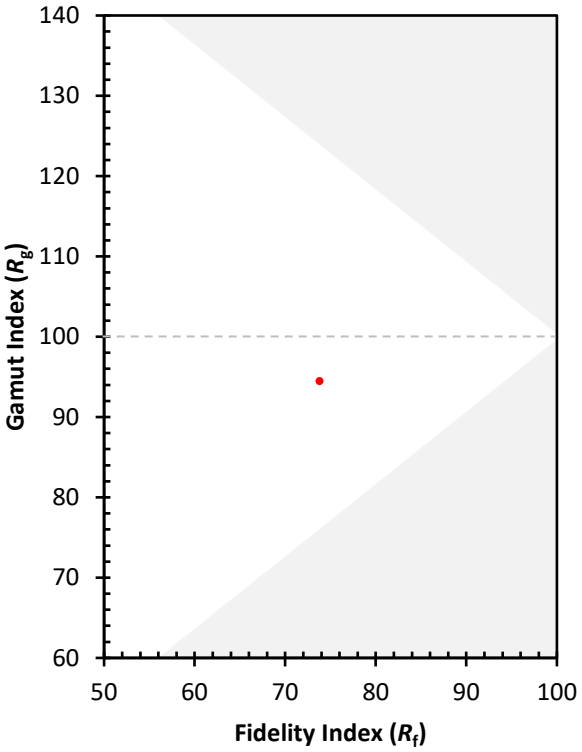


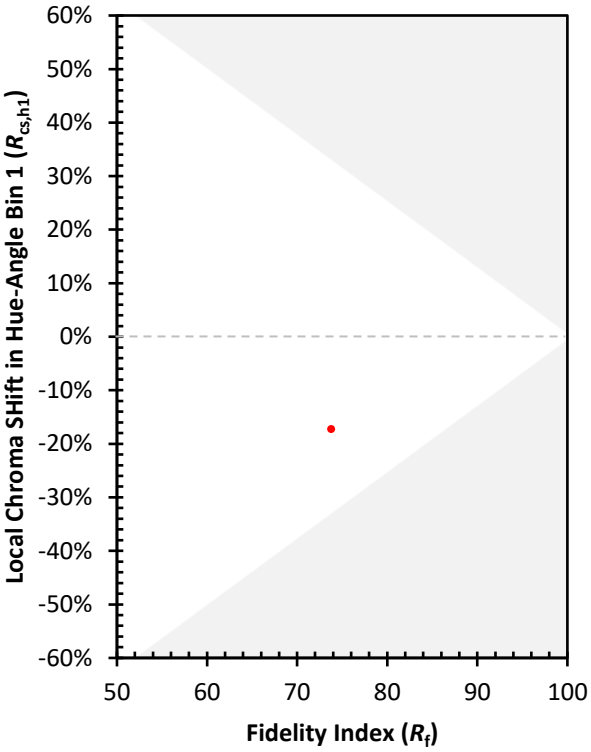


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Measure Comparisons





(END OF REPORT)