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: P1501366

Luminaire Tested: GSS-SB5B-722-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:	P1501366
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22570.4 lumens
Efficiency:	N/A
Efficacy:	122.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

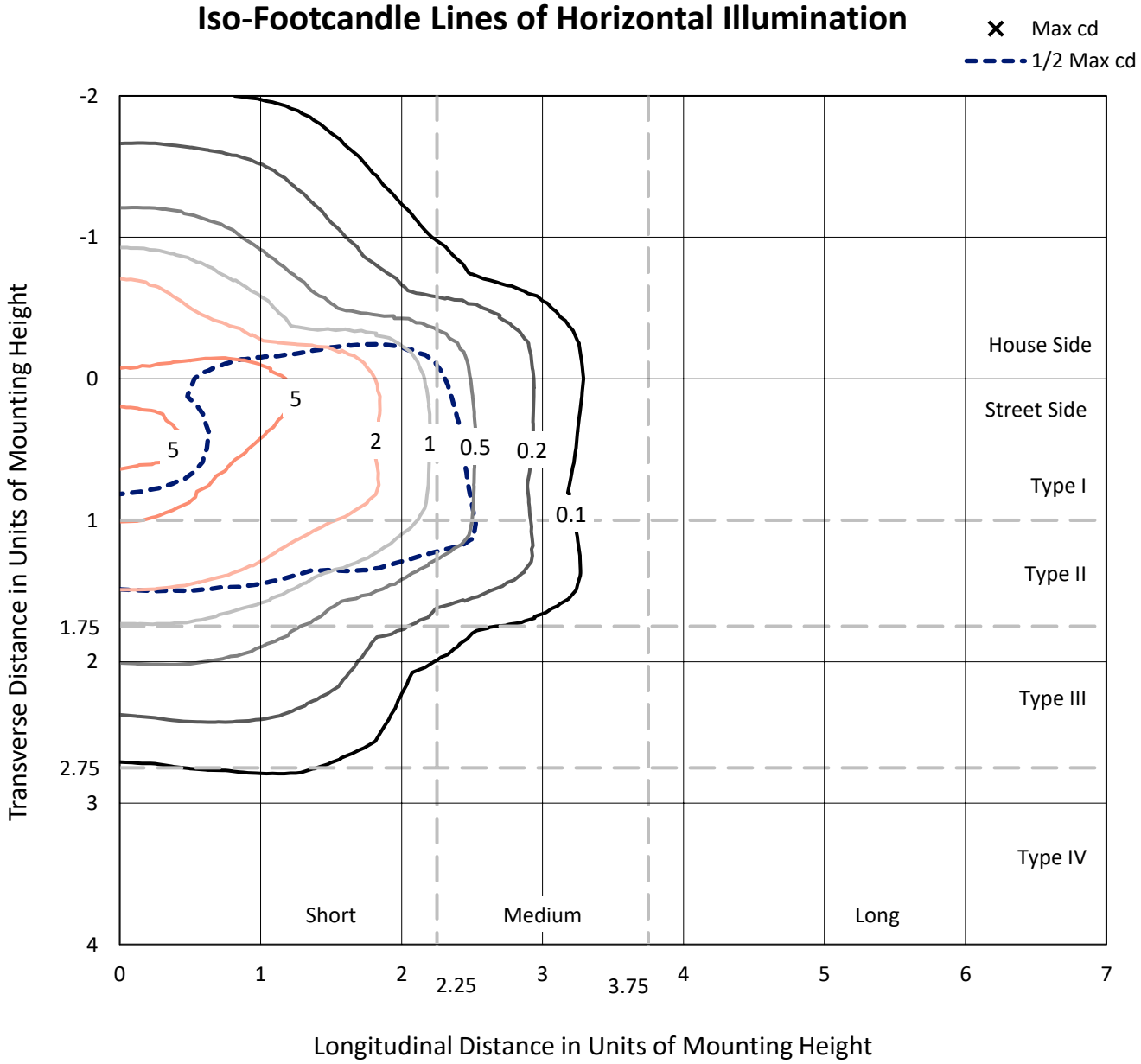
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



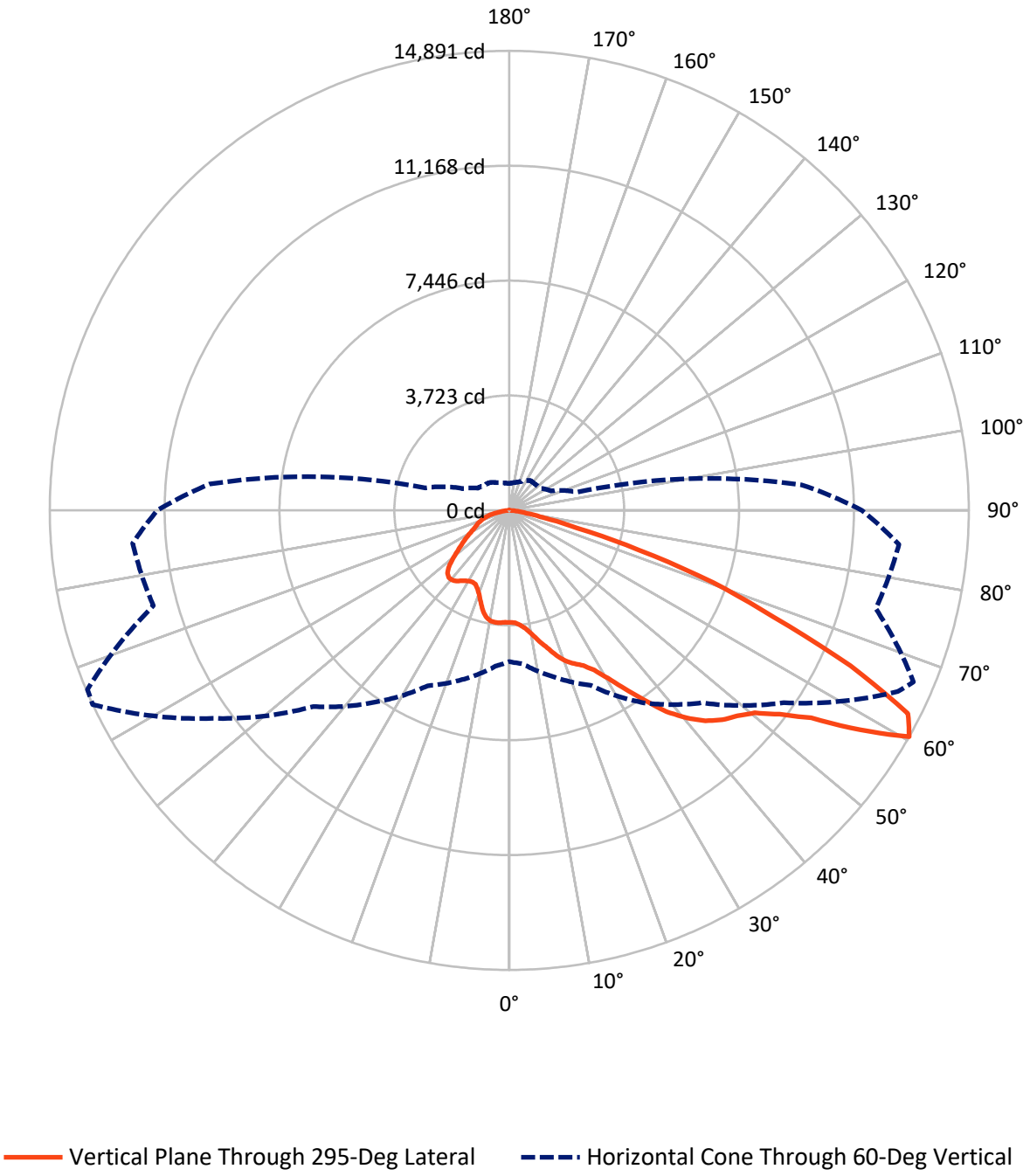
Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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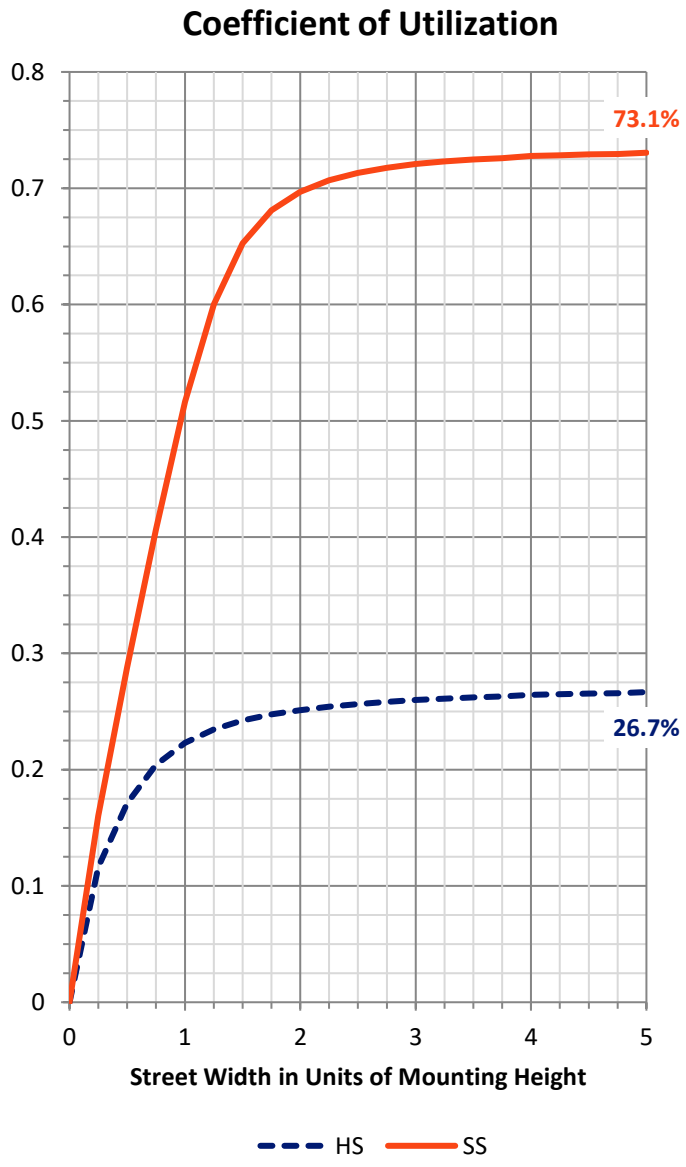
REPORT NUMBER: P1501366
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6069.5	0.0	6069.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	16501.0	0.0	16501.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	22570.4	0.0	22570.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.5	1.5
10°-20°	981.5	4.3
20°-30°	1859.2	8.2
30°-40°	3277.7	14.5
40°-50°	4847.3	21.5
50°-60°	5692.1	25.2
60°-70°	4124.2	18.3
70°-80°	1271.9	5.6
80°-90°	175.1	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°	22570.4	100.0
0°-180°	22570.4	100.0



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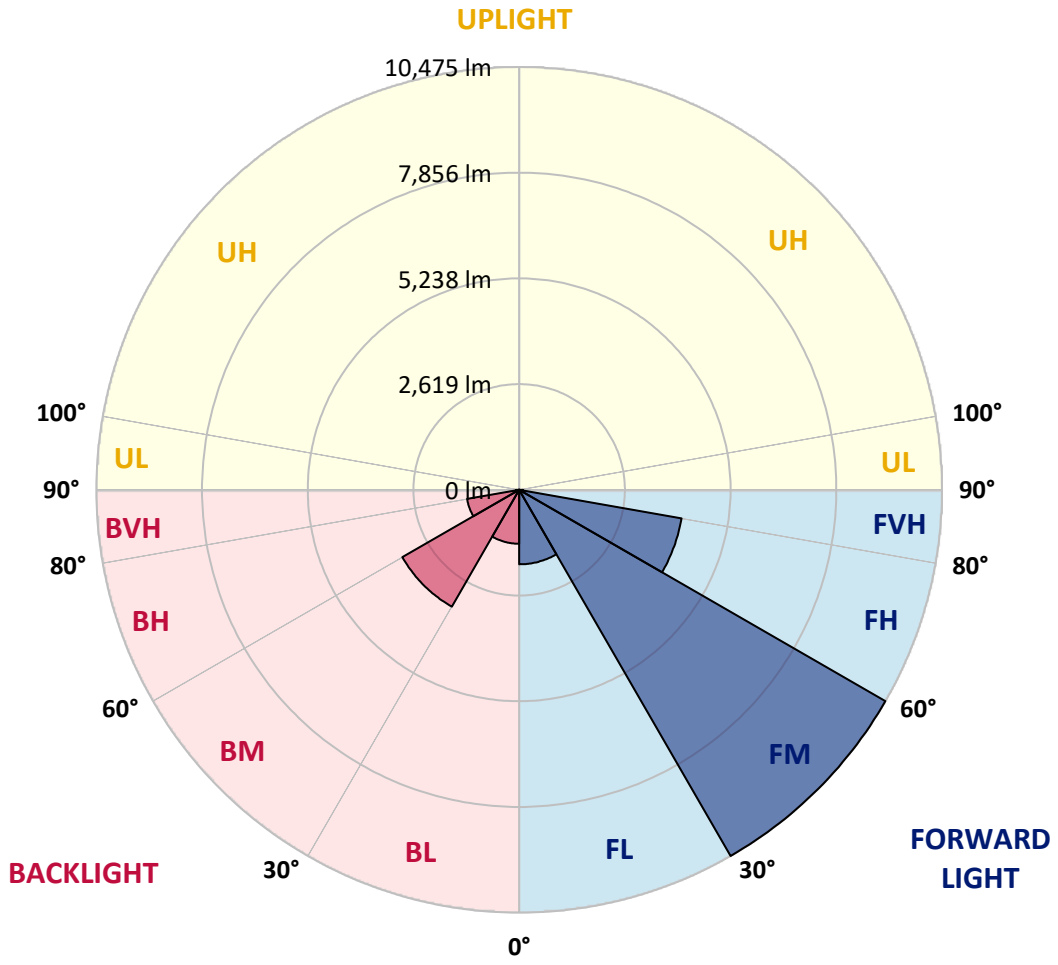
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1845.5	8.2			
FM	(30°-60°)	10475.1	46.4			
FH	(60°-80°)	4085.9	18.1			G2/5000
FVH	(80°-90°)	94.4	0.4			G1/100
BL	(0°-30°)	1336.7	5.9	B3/2500		
BM	(30°-60°)	3342.0	14.8	B3/5000		
BH	(60°-80°)	1310.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	80.6	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°	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5
2.5°	3703.5	3713.8	3698.3	3708.6	3708.6	3693.2	3688.1	3667.5	3677.8	3672.6	3667.5
5°	3790.9	3796.1	3785.8	3801.2	3801.2	3806.4	3801.2	3775.5	3775.5	3775.5	3765.2
7.5°	3765.2	3765.2	3770.4	3821.8	3873.2	3940.1	3940.1	3929.8	3940.1	3935.0	3888.7
10°	3549.2	3569.8	3616.0	3744.6	3868.1	4012.1	4109.8	4140.7	4140.7	4145.9	4068.7
12.5°	3163.4	3178.8	3286.8	3482.3	3739.5	4001.8	4238.4	4392.8	4408.2	4433.9	4331.0
15°	2818.8	2829.1	2906.2	3106.8	3400.0	3862.9	4310.5	4629.4	4680.8	4788.8	4634.5
17.5°	2849.6	2844.5	2865.1	2942.2	3153.1	3636.6	4295.0	4907.1	4999.7	5190.0	5056.3
20°	3034.8	3034.8	3050.2	3065.7	3142.8	3472.0	4181.9	5133.5	5313.5	5683.8	5529.5
22.5°	3328.0	3328.0	3322.9	3348.6	3348.6	3544.0	4187.0	5303.2	5570.7	6234.2	6085.0
25°	3734.4	3713.8	3713.8	3724.1	3677.8	3816.7	4315.6	5478.1	5827.9	6887.5	6758.9
27.5°	4192.1	4207.6	4197.3	4161.3	4099.6	4207.6	4624.2	5750.7	6115.9	7576.7	7525.3
30°	4691.1	4696.2	4706.5	4685.9	4634.5	4711.7	5107.7	6162.2	6496.5	8296.9	8410.0
32.5°	5179.7	5251.8	5226.0	5174.6	5195.2	5334.1	5704.4	6717.7	7062.4	8965.5	9366.7
35°	5802.1	5827.9	5930.7	5740.4	5745.6	5982.2	6465.7	7448.1	7782.5	9659.9	10323.5
37.5°	6707.4	6753.7	6707.4	6409.1	6362.8	6692.0	7206.4	8168.3	8410.0	10184.6	11213.4
40°	7597.3	7653.9	7731.0	7381.3	7088.1	7360.7	7905.9	8718.6	8970.7	10472.7	11804.9
42.5°	8332.9	8425.4	8343.1	8240.3	7972.8	8024.2	8394.6	9145.6	9397.6	10837.9	12401.6
45°	8955.3	8970.7	9006.7	8934.7	8800.9	8754.6	8811.2	9521.1	9798.8	11002.5	12694.7
47.5°	9212.4	9279.3	9310.2	9433.6	9572.5	9479.9	9166.1	9695.9	9948.0	10992.2	12787.3
50°	9073.6	9140.4	9305.0	9598.2	9932.6	10097.2	9582.8	9937.7	10220.6	11177.3	12977.7
52.5°	8708.4	8780.4	9047.8	9382.2	9942.8	10318.3	10169.2	10441.8	10714.4	11506.5	13296.6
55°	7823.6	7931.6	8307.1	8862.7	9634.2	10200.0	10786.4	11182.5	11480.8	11902.6	13625.8
57.5°	6537.7	6650.9	7072.6	7905.9	9063.3	9711.4	10966.5	12571.3	12705.0	12375.8	13656.6
60°	*4896.8*	*4989.4*	*5586.1*	*6254.8*	*7612.7*	*8816.4*	*10863.6*	*13888.1*	*14227.6*	*12293.5*	*12674.2*
62.5°	3878.4	3991.5	4521.3	4830.0	5802.1	7283.5	10503.5	14253.3	14546.5	11614.6	11305.9
65°	3029.7	3106.8	3600.6	4043.0	4279.6	4974.0	9001.5	12468.4	12730.8	10508.7	9330.7
67.5°	2000.9	2119.2	2705.6	3312.6	3436.0	3163.4	6193.1	9593.1	9716.5	8353.4	7016.1
70°	1435.1	1491.7	1928.9	2577.0	2762.2	2119.2	3374.3	7263.0	7299.0	5606.7	4727.1
72.5°	977.3	987.6	1311.7	1975.2	2201.5	1538.0	1856.9	4783.7	4660.2	2767.3	2705.6
75°	663.5	673.8	838.4	1316.8	1558.6	1069.9	1208.8	2607.9	2505.0	1527.7	1640.9
77.5°	447.5	457.8	576.1	884.7	1039.0	740.7	884.7	1378.5	1352.8	1013.3	879.6
80°	339.5	354.9	426.9	565.8	725.3	432.1	504.1	653.3	663.5	540.1	447.5
82.5°	190.3	210.9	257.2	288.0	468.1	241.8	241.8	390.9	375.5	334.3	241.8
85°	82.3	87.4	102.9	108.0	190.3	102.9	87.4	169.7	174.9	164.6	77.2
87.5°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	20.6	20.6	20.6	20.6
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°	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5
2.5°	3641.8	3672.6	3641.8	3626.3	3626.3	3600.6	3590.3	3590.3	3554.3	3569.8	3559.5
5°	3724.1	3734.4	3698.3	3652.1	3590.3	3538.9	3466.9	3374.3	3317.7	3312.6	3317.7
7.5°	3852.7	3857.8	3760.1	3657.2	3502.9	3317.7	3096.5	2916.5	2757.0	2731.3	2762.2
10°	4032.7	4022.4	3878.4	3636.6	3312.6	2921.6	2582.2	2417.6	2325.0	2319.8	2314.7
12.5°	4274.4	4207.6	3986.4	3549.2	2983.4	2530.7	2355.8	2345.5	2371.3	2391.8	2397.0
15°	4552.2	4464.8	4073.8	3379.4	2649.0	2386.7	2397.0	2484.4	2515.3	2535.9	2535.9
17.5°	4896.8	4783.7	4171.6	3137.7	2479.3	2417.6	2489.6	2571.9	2623.3	2643.9	2638.7
20°	5354.6	5118.0	4248.7	2906.2	2433.0	2469.0	2530.7	2613.0	2664.5	2690.2	2690.2
22.5°	5812.4	5519.2	4264.2	2746.8	2433.0	2474.1	2530.7	2613.0	2669.6	2695.3	2690.2
25°	6434.8	6033.6	4269.3	2633.6	2438.1	2448.4	2499.9	2571.9	2654.2	2679.9	2690.2
27.5°	7098.4	6599.4	4295.0	2607.9	2417.6	2412.4	2448.4	2515.3	2597.6	2664.5	2669.6
30°	7921.4	7237.2	4305.3	2633.6	2422.7	2355.8	2381.6	2448.4	2535.9	2602.7	2623.3
32.5°	8728.9	7828.8	4284.7	2690.2	2433.0	2319.8	2325.0	2366.1	2458.7	2505.0	2541.0
35°	9582.8	8456.3	4248.7	2767.3	2438.1	2304.4	2258.1	2278.7	2340.4	2345.5	2361.0
37.5°	10251.5	8924.4	4140.7	2870.2	2448.4	2247.8	2155.2	2139.8	2114.1	2062.6	2072.9
40°	10801.9	9238.2	3960.7	2921.6	2422.7	2180.9	2026.6	1954.6	1856.9	1779.7	1795.2
42.5°	11197.9	9449.0	3744.6	2931.9	2381.6	2067.8	1877.5	1754.0	1646.0	1563.7	1568.8
45°	11372.8	9428.5	3513.2	2854.8	2283.8	1928.9	1738.6	1620.3	1502.0	1414.5	1404.2
47.5°	11378.0	9227.9	3194.3	2669.6	2119.2	1769.4	1610.0	1481.4	1383.7	1321.9	1316.8
50°	11419.1	9114.7	2895.9	2402.1	1903.2	1599.7	1496.8	1368.2	1311.7	1224.2	1198.5
52.5°	11676.3	9299.9	2690.2	2108.9	1702.6	1476.3	1399.1	1285.9	1193.3	1136.8	1131.6
55°	12092.9	9618.8	2577.0	1887.8	1512.3	1357.9	1306.5	1208.8	1126.5	1069.9	1054.5
57.5°	12144.4	9783.4	2443.3	1682.0	1357.9	1265.4	1244.8	1136.8	1018.5	977.3	961.9
60°	*11424.2*	*9505.6*	*2278.7*	*1491.7*	*1244.8*	*1193.3*	*1183.1*	*1039.0*	*941.3*	*889.9*	*869.3*
62.5°	10441.8	8811.2	2026.6	1316.8	1157.3	1121.3	1080.2	967.0	843.6	787.0	771.6
65°	8533.5	7407.0	1723.2	1198.5	1069.9	1028.7	1018.5	864.1	781.8	751.0	745.8
67.5°	6465.7	5951.3	1517.4	1111.0	977.3	961.9	925.9	874.4	838.4	802.4	792.1
70°	4572.8	4295.0	1291.1	997.9	884.7	859.0	1008.2	951.6	823.0	776.7	771.6
72.5°	2772.5	2695.3	1116.2	895.0	761.3	802.4	931.0	859.0	740.7	684.1	663.5
75°	1748.9	1599.7	936.2	761.3	607.0	653.3	812.7	766.4	637.8	581.2	565.8
77.5°	951.6	884.7	704.7	622.4	478.4	529.8	709.8	632.7	509.2	555.5	493.8
80°	416.6	462.9	468.1	360.1	318.9	390.9	509.2	493.8	390.9	396.1	329.2
82.5°	200.6	262.3	303.5	246.9	180.0	231.5	339.5	282.9	262.3	246.9	236.6
85°	61.7	97.7	133.7	118.3	82.3	97.7	159.5	154.3	185.2	159.5	149.2
87.5°	20.6	20.6	15.4	15.4	15.4	20.6	25.7	15.4	5.1	5.1	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°	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5
2.5°	3554.3	3559.5	3559.5	3564.6	3564.6	3580.0	3600.6	3621.2	3605.8	3626.3	3631.5
5°	3307.4	3333.1	3353.7	3430.9	3492.6	3544.0	3600.6	3652.1	3667.5	3677.8	3703.5
7.5°	2726.2	2798.2	2931.9	3106.8	3302.3	3492.6	3621.2	3754.9	3775.5	3801.2	3837.2
10°	2319.8	2350.7	2443.3	2623.3	2973.1	3348.6	3662.3	3873.2	3960.7	4012.1	4048.1
12.5°	2386.7	2366.1	2350.7	2376.4	2602.7	3086.2	3636.6	4043.0	4207.6	4264.2	4310.5
15°	2546.2	2525.6	2469.0	2397.0	2422.7	2808.5	3549.2	4202.4	4464.8	4557.4	4655.1
17.5°	2638.7	2618.2	2571.9	2494.7	2427.8	2577.0	3384.6	4346.5	4871.1	4984.3	5123.2
20°	2690.2	2669.6	2623.3	2546.2	2469.0	2489.6	3173.7	4526.5	5334.1	5514.1	5719.8
22.5°	2700.5	2674.7	2623.3	2546.2	2499.9	2484.4	2973.1	4634.5	5833.0	6110.8	6347.4
25°	2695.3	2649.0	2582.2	2525.6	2499.9	2494.7	2834.2	4696.2	6373.1	6815.5	7082.9
27.5°	2659.3	2602.7	2535.9	2494.7	2484.4	2515.3	2772.5	4768.2	7005.8	7571.6	7998.5
30°	2618.2	2535.9	2453.6	2438.1	2463.9	2561.6	2823.9	4794.0	7669.3	8394.6	8831.8
32.5°	2510.1	2448.4	2366.1	2361.0	2422.7	2597.6	2942.2	4758.0	8255.7	9217.6	9768.0
35°	2355.8	2319.8	2273.5	2289.0	2386.7	2628.5	3024.5	4644.8	8790.7	9984.0	10627.0
37.5°	2083.2	2108.9	2134.7	2170.7	2294.1	2623.3	3060.5	4464.8	9233.0	10596.1	11419.1
40°	1779.7	1867.2	1949.5	2042.1	2206.7	2582.2	3070.8	4243.6	9490.2	11059.0	12123.8
42.5°	1589.4	1671.7	1774.6	1908.3	2088.4	2489.6	3060.5	3996.7	9572.5	11378.0	12571.3
45°	1414.5	1512.3	1640.9	1779.7	1985.5	2355.8	2967.9	3729.2	9613.6	11527.1	12761.6
47.5°	1321.9	1378.5	1496.8	1635.7	1851.7	2191.2	2787.9	3533.7	9551.9	11558.0	12993.1
50°	1213.9	1291.1	1368.2	1502.0	1712.9	1985.5	2571.9	3420.6	9654.8	11861.5	13358.3
52.5°	1131.6	1172.8	1255.1	1378.5	1532.8	1795.2	2366.1	3328.0	9937.7	12170.1	13738.9
55°	1069.9	1116.2	1167.6	1270.5	1388.8	1604.8	2155.2	3189.1	10266.9	12499.3	14119.6
57.5°	972.2	1003.0	1075.0	1183.1	1260.2	1419.7	1908.3	3024.5	10241.2	12242.1	13461.2
60°	*884.7*	*915.6*	*992.7*	*1100.8*	*1147.1*	*1255.1*	*1666.6*	*2813.6*	*9747.4*	*11403.7*	*12247.2*
62.5°	787.0	823.0	915.6	992.7	1033.9	1116.2	1414.5	2427.8	8718.6	10143.5	10827.6
65°	745.8	766.4	828.1	920.7	915.6	992.7	1193.3	1908.3	7016.1	7751.6	8374.0
67.5°	792.1	823.0	812.7	838.4	823.0	864.1	1069.9	1532.8	5514.1	5838.1	6198.2
70°	781.8	853.9	889.9	838.4	720.1	766.4	925.9	1224.2	3945.2	3914.4	3899.0
72.5°	684.1	756.1	859.0	910.4	704.7	637.8	802.4	1059.6	2530.7	2520.4	2278.7
75°	581.2	632.7	756.1	823.0	607.0	514.4	689.3	900.2	1512.3	1532.8	1368.2
77.5°	534.9	509.2	632.7	725.3	493.8	396.1	555.5	679.0	833.3	843.6	781.8
80°	385.8	370.3	473.2	529.8	375.5	282.9	313.8	421.8	447.5	401.2	416.6
82.5°	246.9	252.0	282.9	339.5	231.5	154.3	216.0	282.9	241.8	195.5	231.5
85°	159.5	180.0	149.2	174.9	72.0	72.0	92.6	123.4	82.3	56.6	61.7
87.5°	0.0	0.0	10.3	20.6	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: P1501366
CATALOG NUMBER: GSS-SB5B-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3631.5	3631.5	*3631.5*	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5	3631.5
2.5°	3646.9	3641.8	*3641.8*	3652.1	3677.8	3688.1	3703.5	3698.3	3713.8	3703.5
5°	3718.9	3724.1	*3739.5*	3744.6	3760.1	3780.6	3785.8	3780.6	3790.9	3790.9
7.5°	3862.9	3883.5	*3873.2*	3899.0	3878.4	3852.7	3811.5	3780.6	3754.9	3765.2
10°	4104.7	4094.4	*4089.3*	4043.0	3950.4	3816.7	3708.6	3590.3	3569.8	3549.2
12.5°	4372.2	4361.9	*4361.9*	4202.4	3940.1	3662.3	3415.4	3230.3	3168.5	3163.4
15°	4747.7	4680.8	*4619.1*	4284.7	3760.1	3286.8	2998.8	2854.8	2818.8	2818.8
17.5°	5215.8	5040.9	*4938.0*	4223.0	3466.9	3039.9	2870.2	2834.2	2823.9	2849.6
20°	5797.0	5354.6	*5205.5*	4084.1	3358.9	3070.8	2988.5	2993.7	2998.8	3034.8
22.5°	6434.8	5642.7	*5395.8*	4084.1	3466.9	3266.3	3225.1	3281.7	3297.1	3328.0
25°	7144.7	5899.9	*5565.5*	4300.2	3785.8	3636.6	3585.2	3641.8	3682.9	3734.4
27.5°	7941.9	6167.3	*5858.7*	4691.1	4197.3	4104.7	4048.1	4073.8	4130.4	4192.1
30°	8656.9	6614.8	*6306.2*	5287.8	4758.0	4644.8	4547.1	4588.2	4649.9	4691.1
32.5°	9289.6	7160.1	*6897.8*	5915.3	5400.9	5205.5	5097.4	5087.2	5210.6	5179.7
35°	9870.8	7803.1	*7551.0*	6630.3	6054.2	5812.4	5668.4	5853.6	5771.3	5802.1
37.5°	10328.6	8471.7	*8271.1*	7314.4	6733.2	6404.0	6316.5	6542.8	6671.4	6707.4
40°	10704.1	9053.0	*8842.1*	7993.4	7355.5	7113.8	7252.7	7628.2	7612.7	7597.3
42.5°	10992.2	9551.9	*9320.5*	8507.7	7952.2	7998.5	8106.5	8358.6	8420.3	8332.9
45°	11120.8	9865.7	*9680.5*	8914.1	8631.2	8898.7	8945.0	9053.0	9011.8	8955.3
47.5°	11269.9	10143.5	*9948.0*	9284.4	9366.7	9629.1	9536.5	9449.0	9299.9	9212.4
50°	11522.0	10472.7	*10308.1*	9824.5	10122.9	10035.4	9675.4	9479.9	9176.4	9073.6
52.5°	12000.3	11095.0	*10971.6*	10678.4	10477.8	9973.7	9536.5	9186.7	8847.2	8708.4
55°	12427.3	11938.6	*11866.6*	11475.7	10369.8	9649.7	9063.3	8523.2	7941.9	7823.6
57.5°	12674.2	13337.7	*13420.0*	11815.2	9876.0	8914.1	8050.0	7185.8	6635.4	6537.7
60°	*11938.6*	*14850.0*	*14891.1*	*11748.3*	*8986.1*	*7587.0*	*6270.2*	*5658.1*	*5066.6*	*4896.8*
62.5°	10925.3	14536.2	*14500.2*	11347.1	7154.9	5534.7	4763.1	4475.1	4017.3	3878.4
65°	9392.5	12108.4	*12149.5*	9804.0	4758.0	4001.8	4001.8	3636.6	3127.4	3029.7
67.5°	7653.9	9335.9	*9243.3*	6357.7	2921.6	3204.5	3358.9	2834.2	2119.2	2000.9
70°	4974.0	7129.2	*7000.6*	3667.5	1836.3	2669.6	2643.9	2129.5	1517.4	1435.1
72.5°	2139.8	4120.1	*4382.5*	1872.3	1383.7	2150.1	2108.9	1491.7	1013.3	977.3
75°	1291.1	2072.9	*2258.1*	1193.3	1008.2	1620.3	1460.8	946.4	689.3	663.5
77.5°	817.9	1136.8	*1126.5*	895.0	756.1	1095.6	982.5	653.3	468.1	447.5
80°	473.2	560.7	*581.2*	560.7	509.2	781.8	627.5	473.2	365.2	339.5
82.5°	303.5	349.8	*354.9*	272.6	282.9	504.1	339.5	277.8	210.9	190.3
85°	133.7	149.2	*144.0*	92.6	92.6	205.7	118.3	113.2	82.3	82.3
87.5°	5.1	10.3	*5.1*	5.1	5.1	20.6	10.3	15.4	15.4	15.4
90°	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

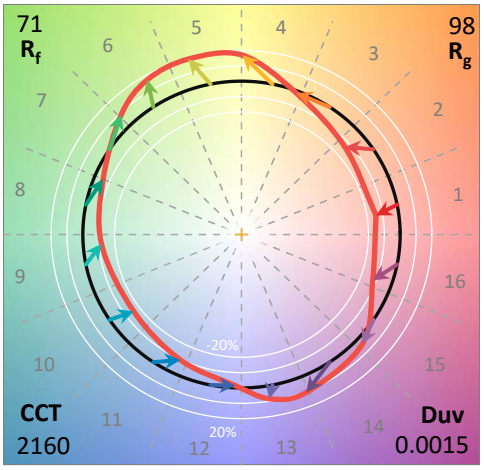
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

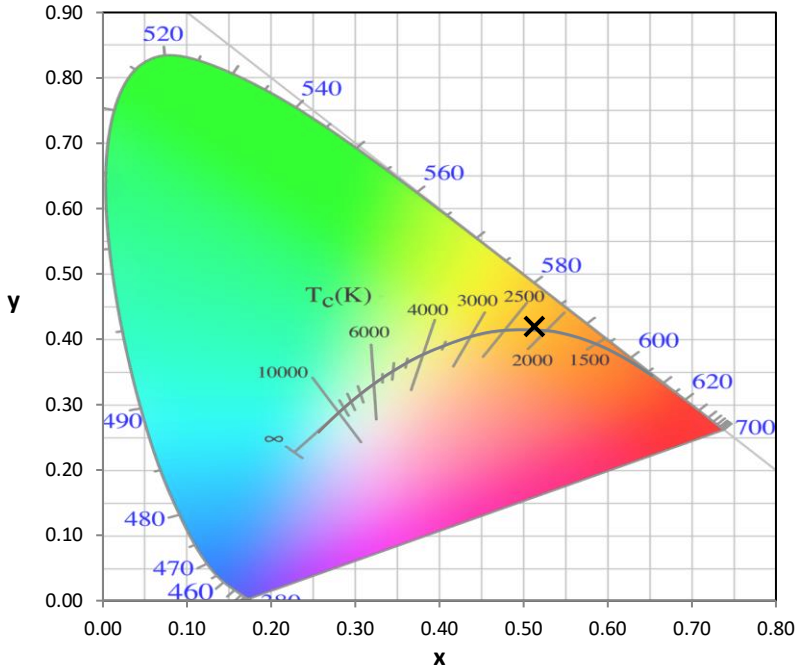
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

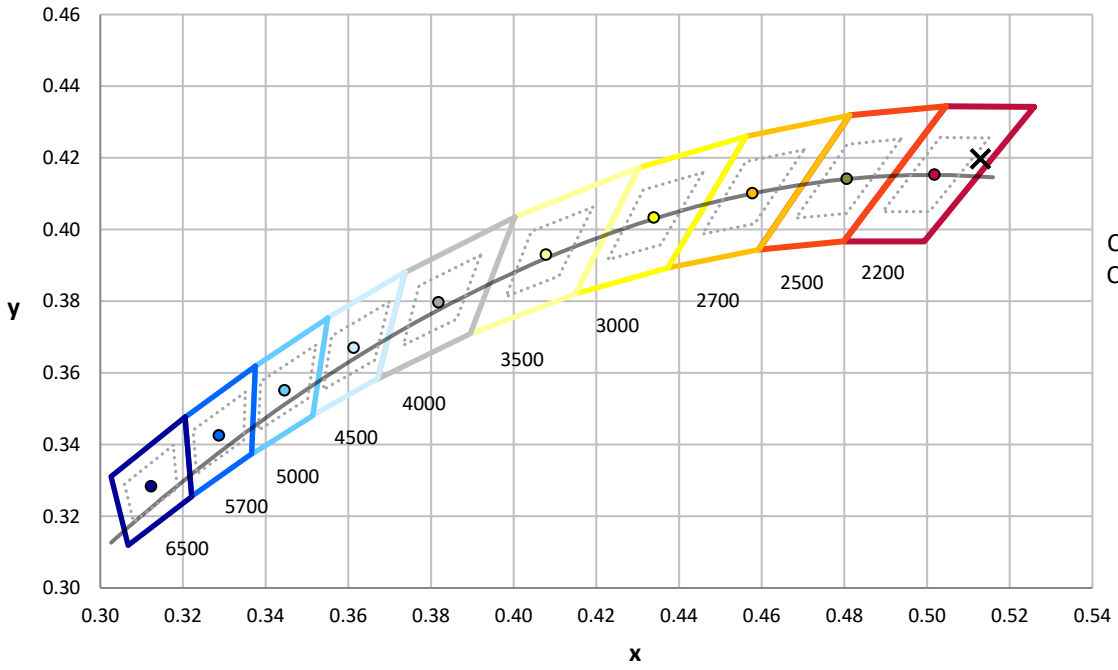
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

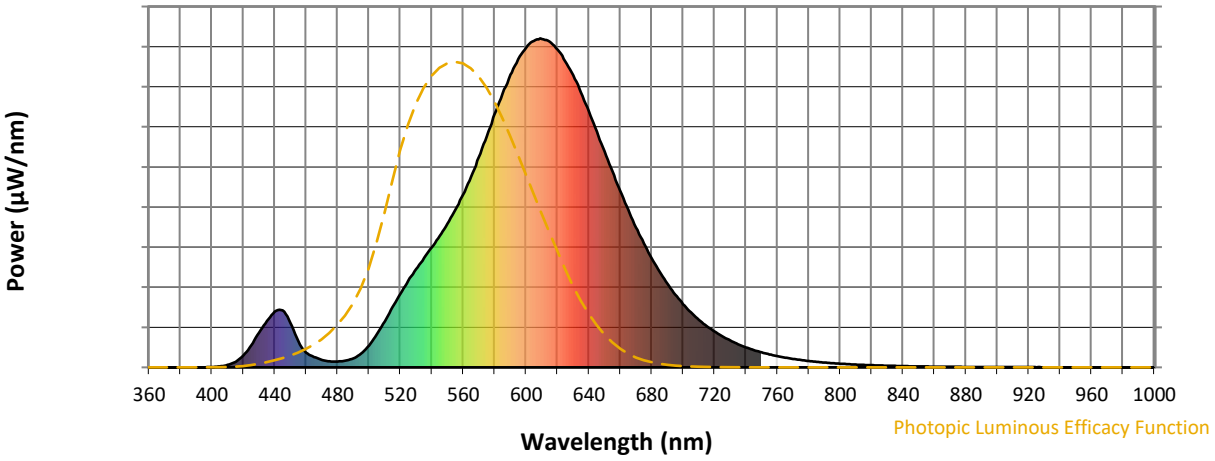


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

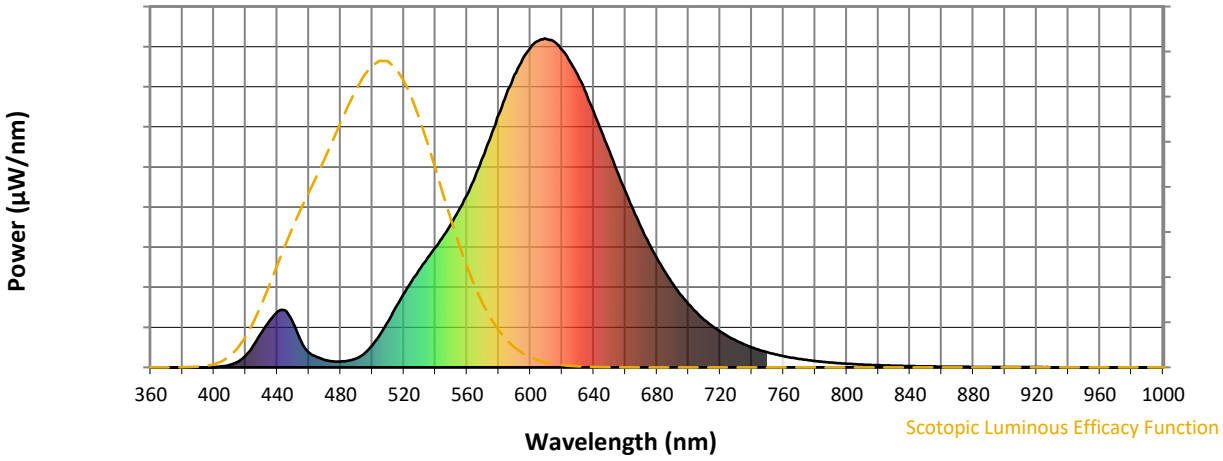


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

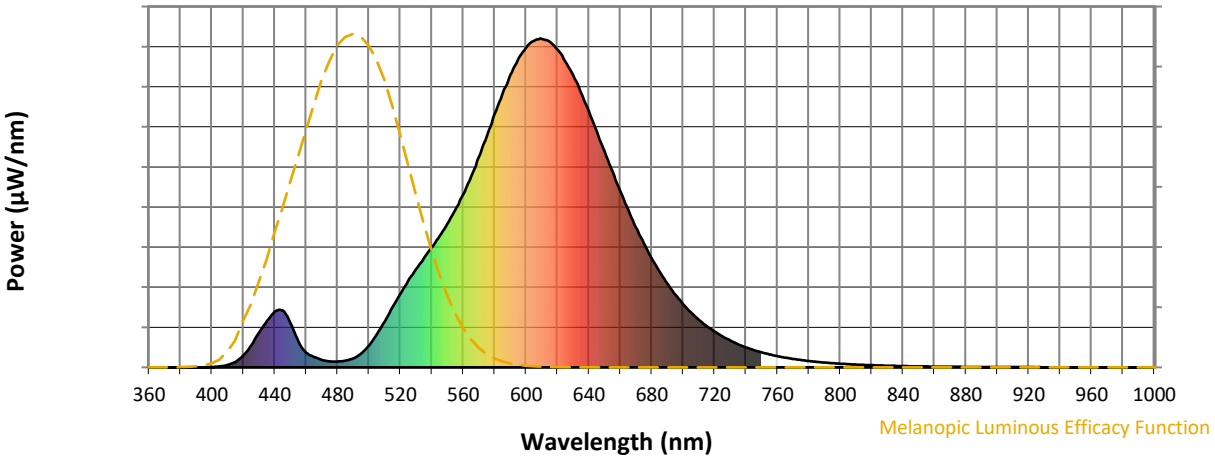


Scotopic Lumens: NR **S/P: 0.8**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

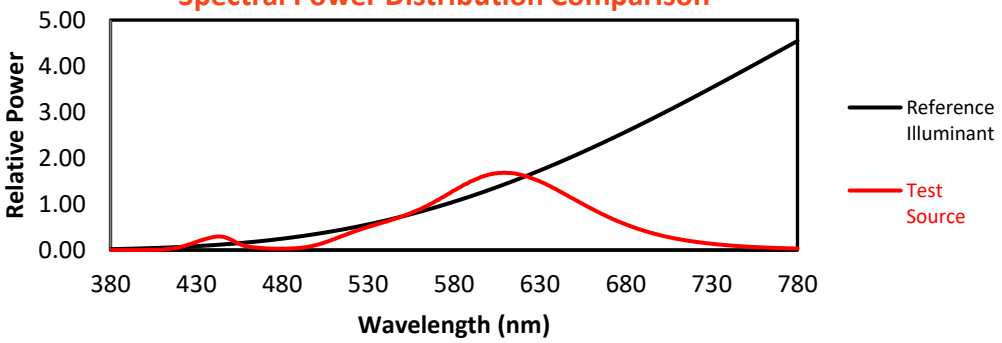
REPORT NUMBER: SP1-2407-184-2

TM-30-18

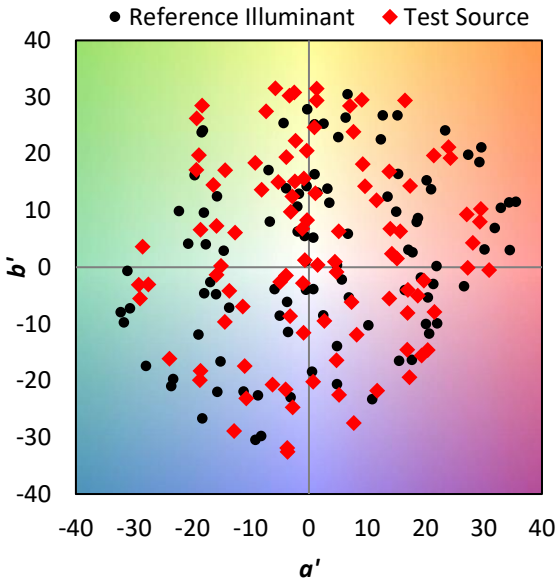
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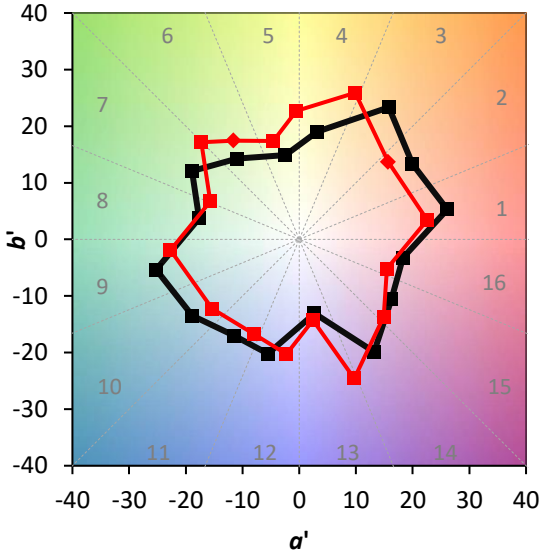
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

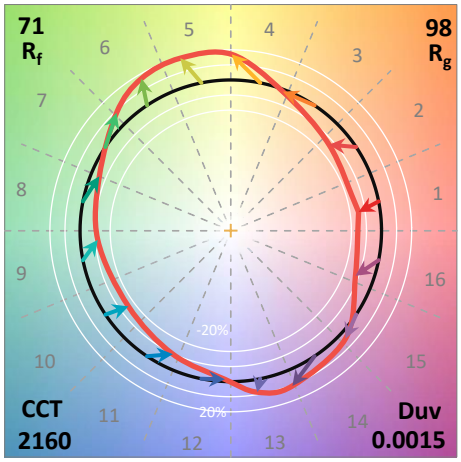
Spectral Power Distribution Comparison

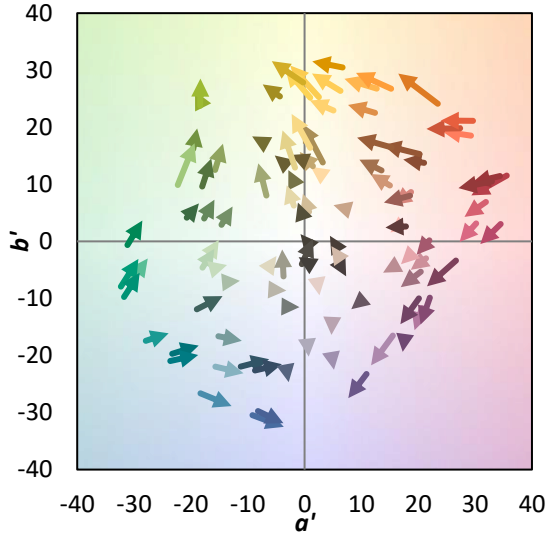


Color Vector Graphics







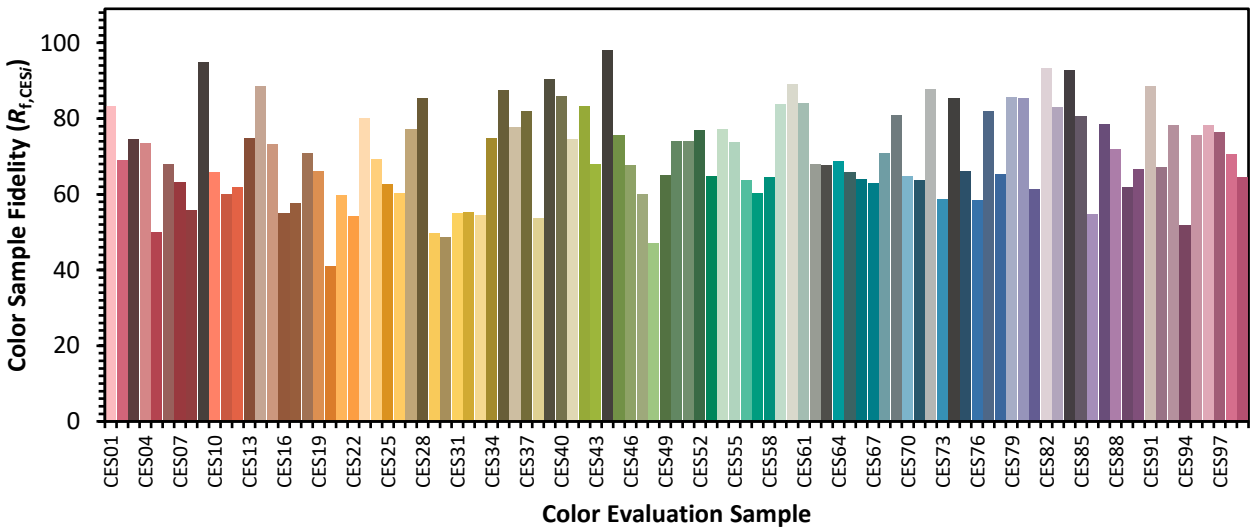


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Individual Sample Fidelity Index ($R_{f,i}$)

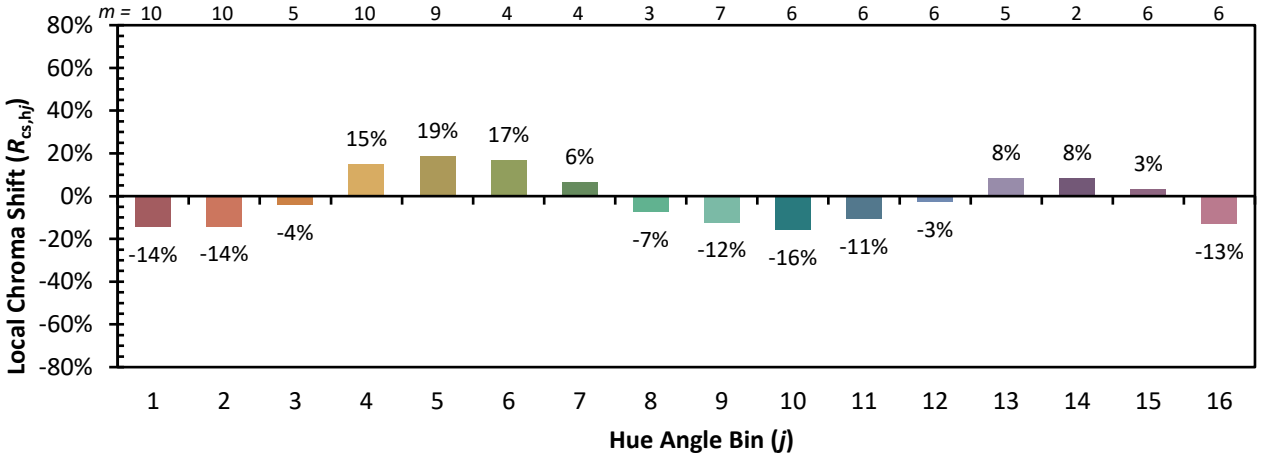
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

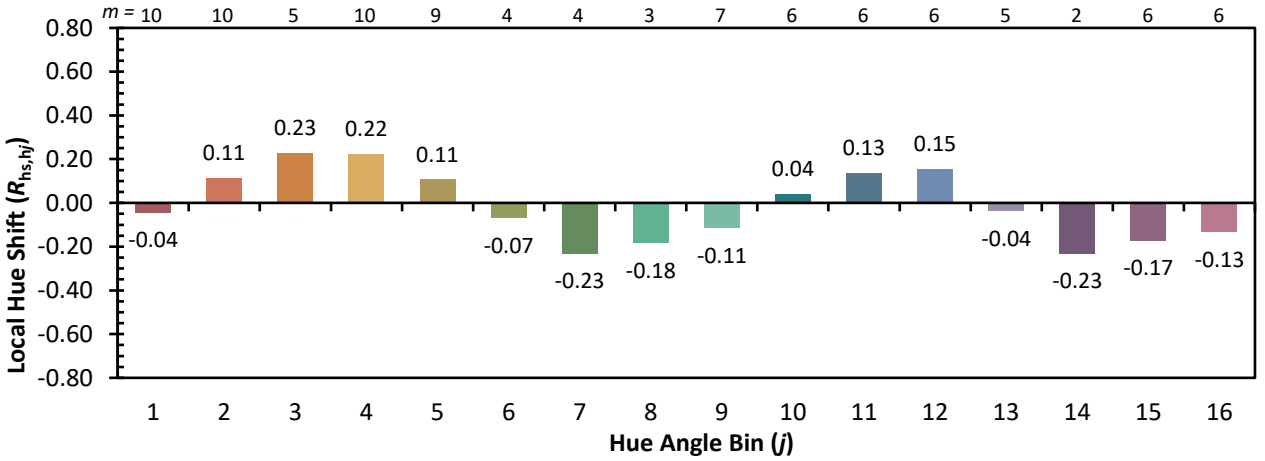


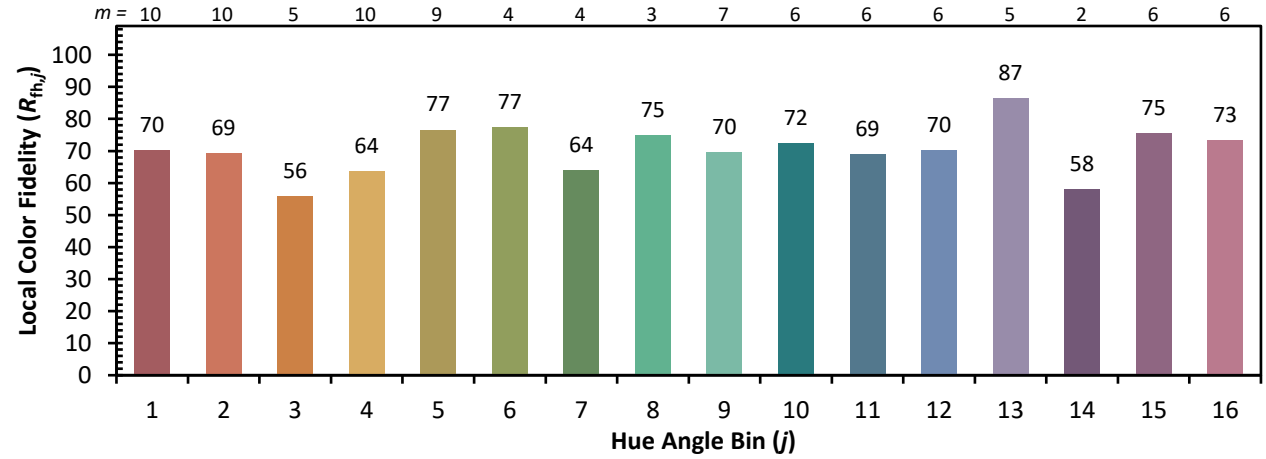
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Color Rendition by Hue-Angle Bin



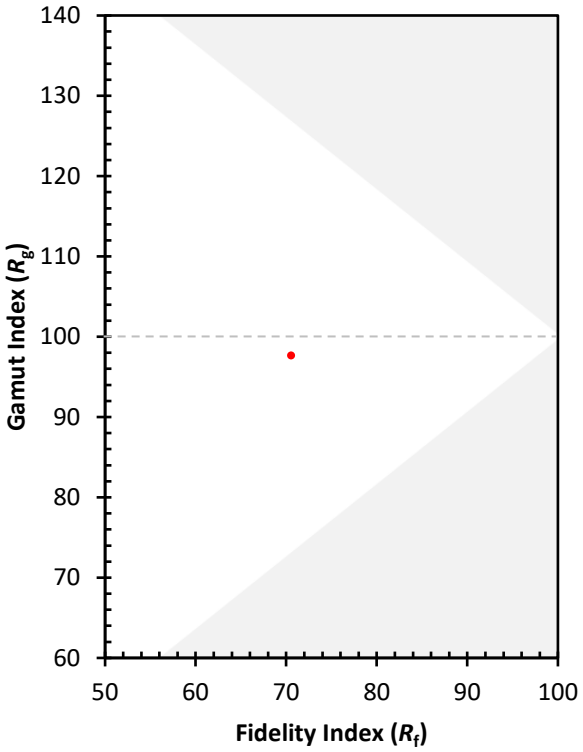


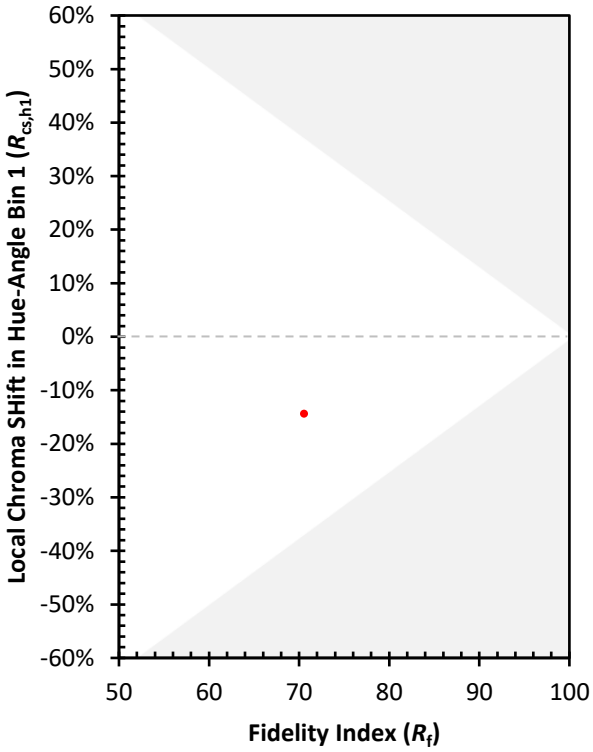


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Measure Comparisons





(END OF REPORT)