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: P1365317

Luminaire Tested: **GSS-SB6C-722-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:	P1365317
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27118.7 lumens
Efficiency:	N/A
Efficacy:	90.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

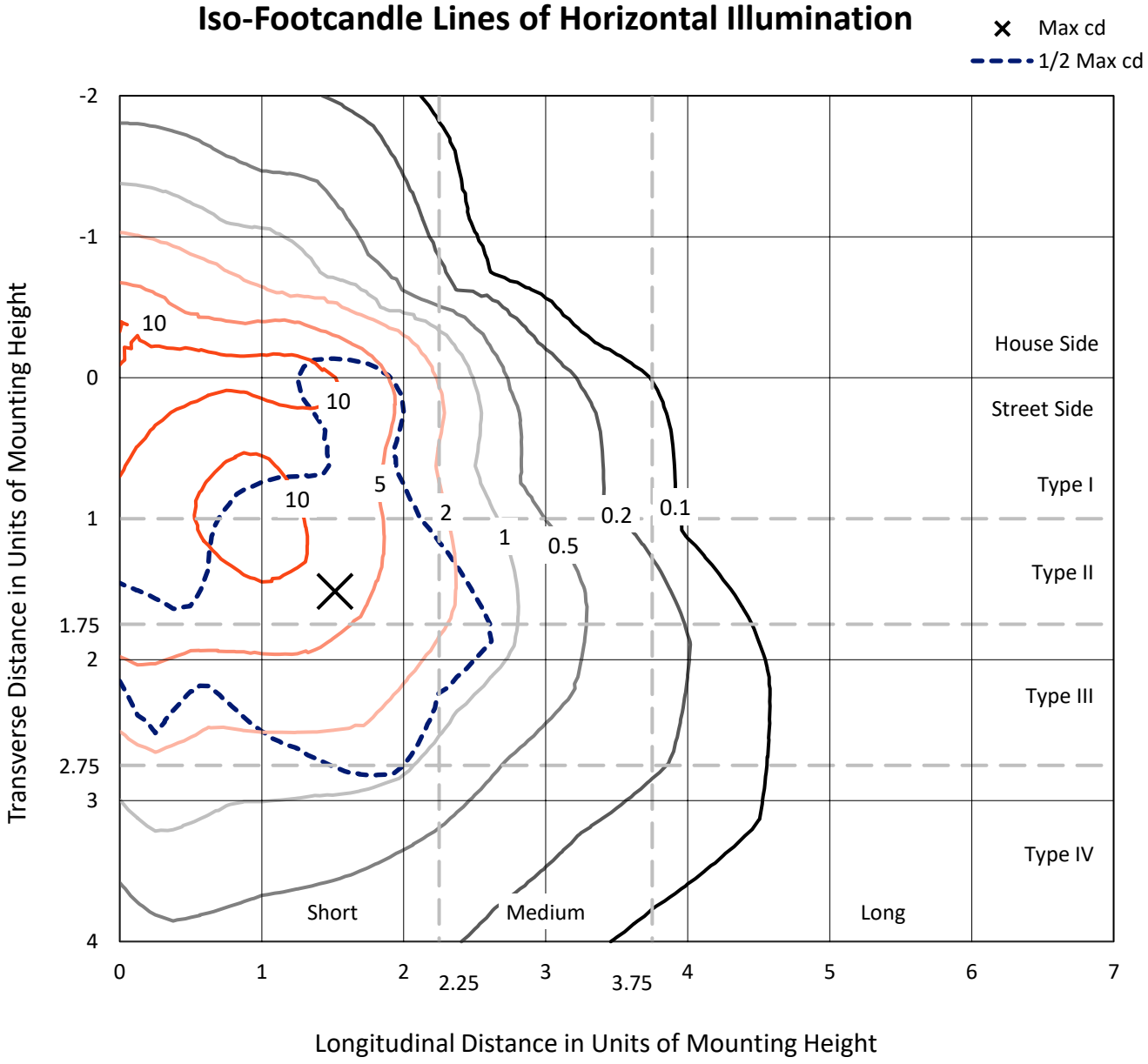
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



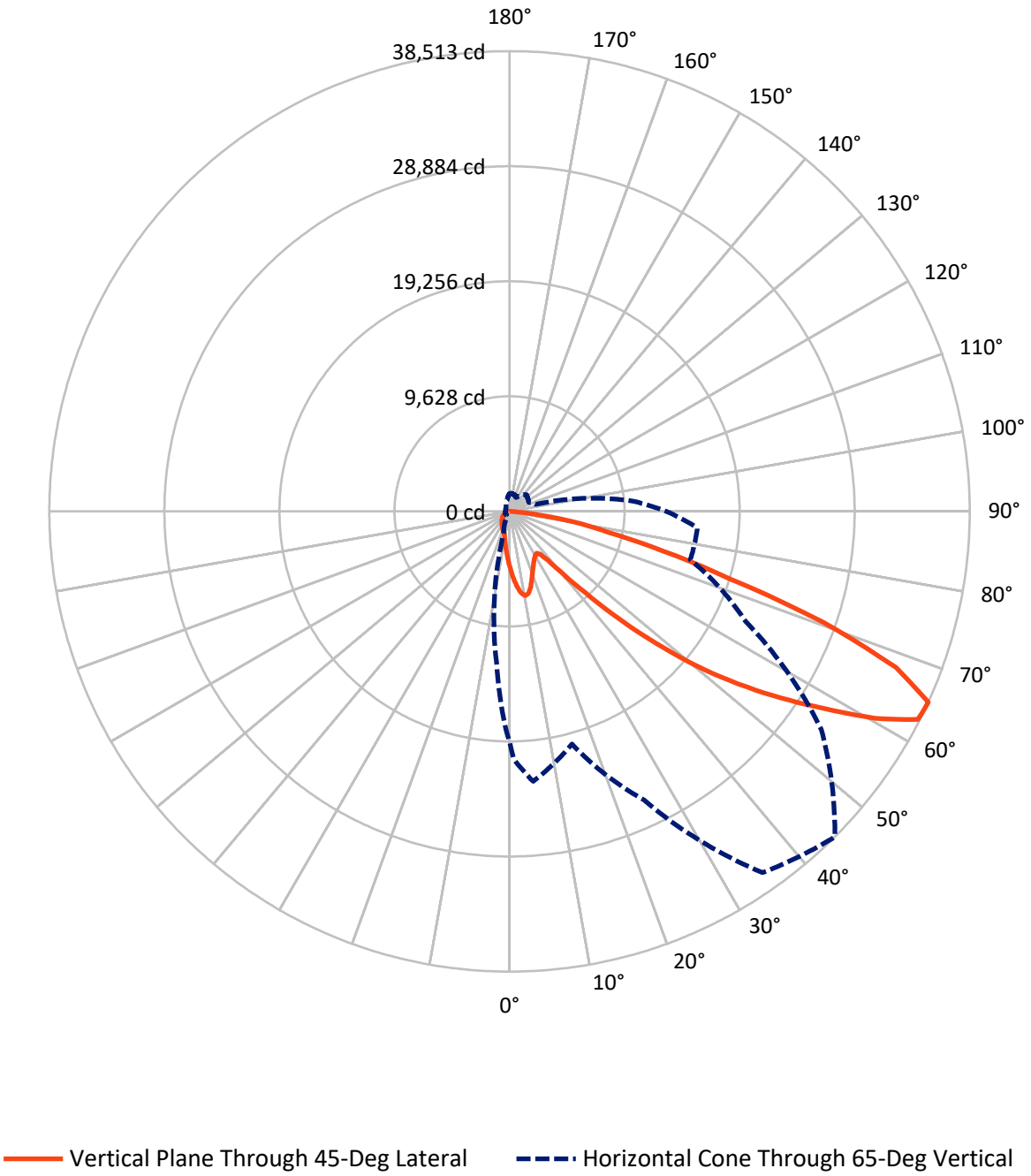
Based on 20 foot mounting height. Maximum calculated value = 17.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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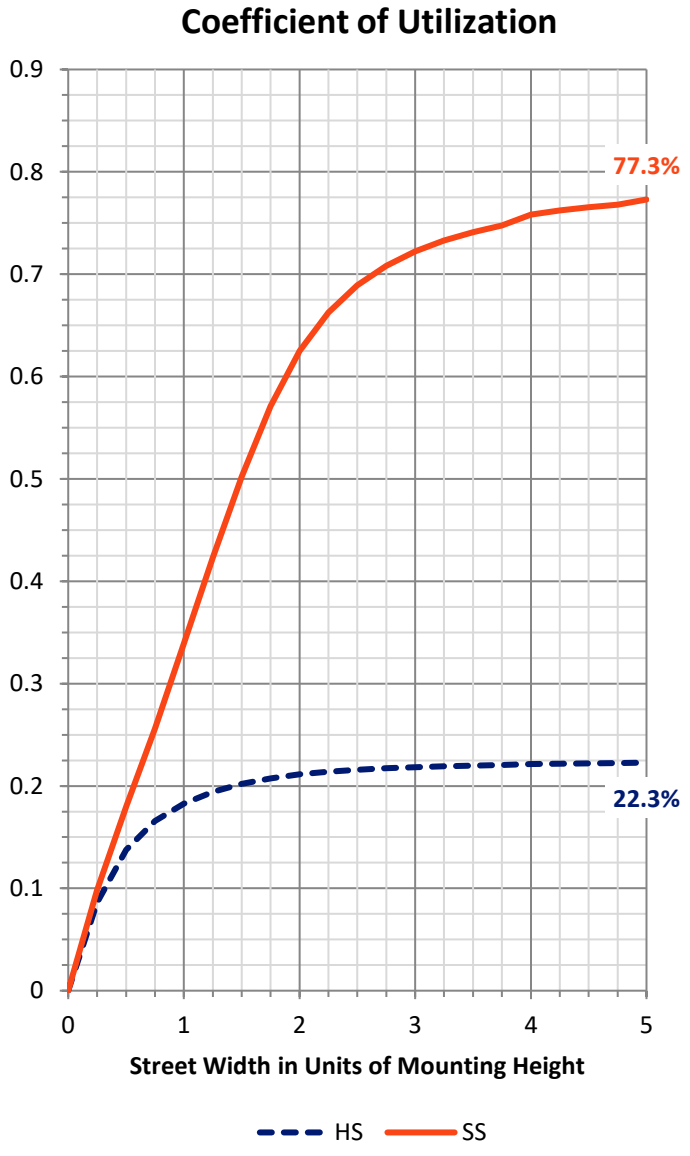
REPORT NUMBER: P1365317
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6100.3	0.0	6100.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	21018.4	0.0	21018.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	27118.7	0.0	27118.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.3	1.7
10°-20°	1245.3	4.6
20°-30°	1783.7	6.6
30°-40°	2237.4	8.3
40°-50°	3675.3	13.6
50°-60°	6635.8	24.5
60°-70°	7366.9	27.2
70°-80°	3330.0	12.3
80°-90°	394.1	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°	27118.7	100.0
0°-180°	27118.7	100.0



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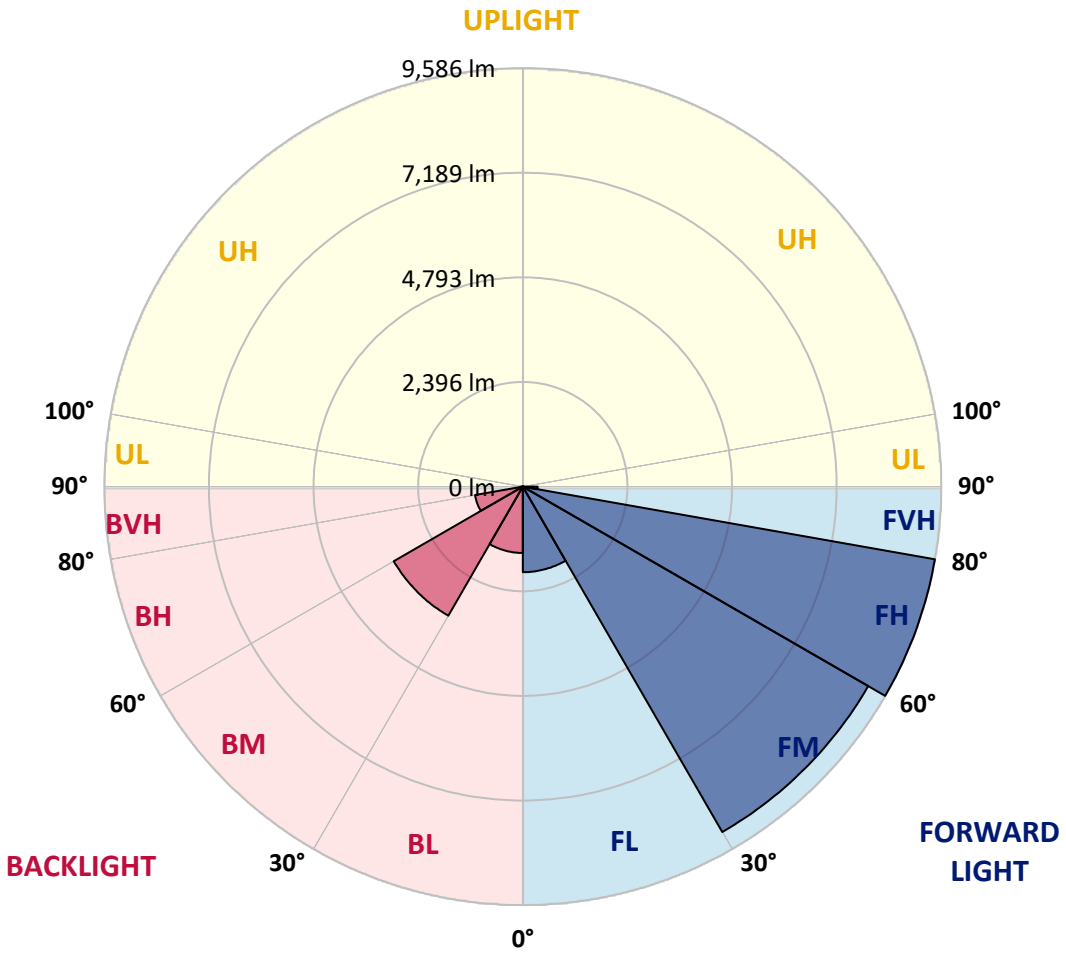
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1959.1	7.2			
FM	(30°-60°)	9135.3	33.7			
FH	(60°-80°)	9585.6	35.3			G4/12000
FVH	(80°-90°)	338.4	1.2			G3/500
BL	(0°-30°)	1520.2	5.6	B3/2500		
BM	(30°-60°)	3413.2	12.6	B3/5000		
BH	(60°-80°)	1111.2	4.1	B3/2500		G3/2500
BVH	(80°-90°)	55.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1
2.5°	5159.4	5226.0	5217.7	5309.2	5392.4	5450.7	5500.6	5484.0	5442.3	5359.1	5300.9
5°	5700.3	5750.2	5833.5	6008.2	6141.4	6257.9	6241.2	6257.9	6133.0	6008.2	5858.4
7.5°	6166.3	6224.6	6341.1	6590.7	6757.2	6898.6	6882.0	6832.1	6690.6	6482.6	6257.9
10°	6457.6	6499.2	6624.0	6907.0	7098.4	7214.9	7173.2	7090.0	6907.0	6698.9	6432.6
12.5°	6582.4	6632.3	6740.5	6965.2	7090.0	7065.1	7048.4	7031.8	6940.2	6782.1	6540.8
15°	6599.1	6632.3	6715.6	6815.4	6765.5	6624.0	6590.7	6715.6	6832.1	6798.8	6599.1
17.5°	6599.1	6649.0	6665.6	6565.8	6307.8	6049.8	6016.5	6224.6	6549.1	6807.1	6690.6
20°	6624.0	6649.0	6615.7	6291.2	5808.5	5525.6	5467.3	5725.3	6207.9	6715.6	6782.1
22.5°	6657.3	6682.3	6540.8	5966.6	5400.7	5101.2	5067.9	5259.3	5825.1	6582.4	6882.0
25°	6723.9	6707.2	6490.9	5683.7	5042.9	4760.0	4710.0	4959.7	5508.9	6449.3	7048.4
27.5°	6807.1	6732.2	6424.3	5450.7	4784.9	4485.4	4452.1	4693.4	5242.6	6282.8	7189.9
30°	6915.3	6840.4	6416.0	5267.6	4593.5	4294.0	4252.4	4518.6	5059.6	6166.3	7389.6
32.5°	7065.1	6956.9	6424.3	5126.1	4485.4	4202.4	4177.5	4460.4	4984.7	6099.8	7597.7
35°	7264.8	7106.7	6457.6	5076.2	4518.6	4327.2	4385.5	4601.9	5059.6	6149.7	7938.8
37.5°	7514.4	7364.6	6624.0	5184.4	4884.8	5017.9	5167.7	5251.0	5417.4	6382.7	8488.1
40°	7930.5	7722.5	6873.7	5533.9	5866.8	6490.9	6782.1	6748.8	6366.0	6915.3	9262.0
42.5°	8513.0	8321.6	7381.3	6424.3	7506.1	8829.3	9320.2	9037.3	7880.6	7764.1	10535.2
45°	9403.4	9087.2	8063.7	7747.4	9486.7	11658.6	12765.4	11791.8	9802.9	9103.9	12349.3
47.5°	10543.5	10227.3	9128.8	9070.6	11700.2	15153.7	16468.5	14554.5	11708.5	10859.7	14521.2
50°	12374.3	12024.8	10693.3	10418.7	14146.8	18640.5	20396.3	17309.0	13647.5	12723.8	17200.8
52.5°	14887.4	14654.4	13173.1	11808.4	16335.4	22485.1	23999.6	20188.3	15145.4	14854.1	20121.7
55°	18390.8	18166.1	16401.9	13356.2	18407.5	26338.0	27561.2	22809.6	16451.9	17350.6	23175.7
57.5°	22360.2	22734.7	20820.7	15420.0	20587.7	29441.9	31147.9	25189.6	18216.1	20687.6	26571.0
60°	24948.3	26129.9	25888.6	19023.3	23974.6	33303.2	35158.9	28376.8	20795.8	23142.5	26496.1
62.5°	22701.4	23883.1	25730.5	23200.7	27236.7	36798.3	38362.7	31730.4	23358.8	21186.9	22252.0
65°	19264.6	20737.5	22684.8	20155.0	26662.5	36906.4	38512.5	31855.2	21794.4	15661.3	15777.8
67.5°	16601.7	17908.2	20304.8	17150.9	23633.4	33611.1	34876.0	28418.4	18016.3	10385.4	10293.9
70°	13855.5	15053.8	18082.9	15270.2	20704.2	28967.6	27877.5	23891.4	15228.6	6898.6	5717.0
72.5°	11808.4	12915.2	16069.1	13722.4	16426.9	23475.3	19214.6	19822.1	12390.9	4385.5	3894.5
75°	9769.6	10784.8	13664.1	12424.2	13589.2	14646.1	13281.3	14080.2	10210.6	3719.8	3004.1
77.5°	6857.0	7489.5	9586.5	9886.1	10576.8	8671.1	8421.5	9861.1	7264.8	1847.4	1264.9
80°	3378.6	3769.7	5001.3	5883.4	5001.3	4918.1	5608.8	6565.8	3769.7	1131.7	699.0
82.5°	1514.5	1797.5	2305.1	3561.7	1805.8	1963.9	2479.8	3495.1	1714.3	674.1	299.6
85°	241.3	266.3	449.4	599.2	491.0	757.3	724.0	682.4	366.2	183.1	83.2
87.5°	8.3	8.3	8.3	16.6	25.0	33.3	41.6	41.6	41.6	41.6	41.6
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°	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1
2.5°	5284.2	5259.3	5134.4	5009.6	4901.4	4793.3	4685.1	4535.3	4418.8	4318.9	4277.3
5°	5783.5	5650.4	5459.0	5251.0	5067.9	4859.8	4660.1	4435.4	4252.4	4061.0	3961.1
7.5°	6124.7	5991.6	5675.4	5359.1	5134.4	4909.8	4701.7	4452.1	4210.7	3936.1	3786.3
10°	6282.8	6133.0	5791.9	5425.7	5151.1	4926.4	4735.0	4527.0	4285.6	3944.5	3744.7
12.5°	6391.0	6207.9	5816.8	5442.3	5167.7	4934.7	4751.7	4601.9	4460.4	4127.5	3894.5
15°	6457.6	6291.2	5883.4	5450.7	5142.8	4868.2	4693.4	4643.5	4668.4	4510.3	4227.4
17.5°	6557.4	6399.3	5966.6	5500.6	5101.2	4726.7	4535.3	4643.5	4868.2	4918.1	4693.4
20°	6690.6	6524.2	6074.8	5542.2	4976.3	4460.4	4277.3	4551.9	4926.4	5184.4	5059.6
22.5°	6840.4	6707.2	6199.6	5583.8	4793.3	4110.9	4027.7	4360.5	4760.0	5092.8	5101.2
25°	7023.5	6898.6	6374.4	5625.4	4543.6	3811.3	3828.0	4110.9	4427.1	4768.3	4826.5
27.5°	7273.1	7156.6	6590.7	5675.4	4285.6	3570.0	3653.2	3861.2	4077.6	4285.6	4368.9
30°	7547.7	7456.2	6848.7	5775.2	4044.3	3428.5	3478.4	3619.9	3794.7	3919.5	3961.1
32.5°	7922.2	7772.4	7090.0	5766.9	3861.2	3361.9	3312.0	3353.6	3495.1	3619.9	3628.2
35°	8388.2	8271.7	7339.7	5617.1	3694.8	3328.7	3153.9	3128.9	3212.2	3337.0	3328.7
37.5°	9070.6	8970.7	7747.4	5384.1	3486.8	3245.4	2987.5	2904.2	2962.5	3045.7	3070.7
40°	10094.1	9836.2	8213.5	5126.1	3278.7	3095.6	2787.7	2671.2	2712.9	2804.4	2821.0
42.5°	11483.9	10992.9	8837.6	4776.6	3079.0	2871.0	2588.0	2463.2	2488.2	2571.4	2588.0
45°	13264.7	12524.1	9694.7	4410.5	2920.9	2638.0	2380.0	2246.8	2271.8	2363.3	2405.0
47.5°	15345.1	14329.9	10593.4	4019.3	2829.4	2454.9	2171.9	2072.1	2130.3	2221.9	2238.5
50°	17800.0	16776.4	11167.6	3703.1	2771.1	2313.4	1980.5	1938.9	2013.8	2088.7	2105.4
52.5°	20479.5	19023.3	10801.5	3445.2	2721.2	2263.5	1847.4	1864.0	1922.3	1997.2	2022.2
55°	23084.2	19847.1	9586.5	3112.3	2662.9	2296.8	1747.5	1789.2	1864.0	1922.3	1938.9
57.5°	24781.8	19156.4	7722.5	2762.8	2596.3	2321.7	1697.6	1730.9	1814.1	1880.7	1889.0
60°	23300.6	17641.9	5783.5	2463.2	2454.9	2280.1	1681.0	1631.0	1747.5	1805.8	1814.1
62.5°	19089.8	14429.7	3694.8	2180.3	2188.6	2188.6	1672.6	1464.6	1614.4	1664.3	1656.0
65°	*13114.9*	*10202.3*	*2288.4*	*1780.8*	*1864.0*	*1988.9*	*1622.7*	*1289.9*	*1464.6*	*1514.5*	*1497.9*
67.5°	8621.2	6482.6	1414.7	1373.1	1531.2	1722.6	1522.9	1156.7	1314.8	1348.1	1298.2
70°	4676.8	3054.0	932.0	898.7	1198.3	1356.4	1289.9	1040.2	1173.4	1206.6	1156.7
72.5°	3087.3	1755.9	657.4	657.4	940.3	948.7	1056.8	932.0	1040.2	1073.5	1023.6
75°	2321.7	1131.7	457.7	507.6	599.2	740.6	757.3	782.2	882.1	923.7	873.8
77.5°	1065.2	416.1	274.6	374.5	416.1	565.9	482.7	582.5	657.4	674.1	632.4
80°	615.8	233.0	183.1	241.3	266.3	466.0	282.9	349.5	466.0	491.0	441.0
82.5°	258.0	116.5	124.8	149.8	158.1	258.0	199.7	224.7	307.9	299.6	266.3
85°	74.9	74.9	83.2	91.5	91.5	149.8	141.5	133.1	141.5	141.5	116.5
87.5°	49.9	49.9	49.9	58.3	58.3	66.6	74.9	83.2	83.2	83.2	74.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1
2.5°	4219.1	4144.2	4036.0	4019.3	3961.1	3919.5	3961.1	4002.7	4077.6	4085.9	4119.2
5°	3869.6	3694.8	3561.7	3411.9	3337.0	3328.7	3312.0	3361.9	3470.1	3536.7	3586.6
7.5°	3636.6	3320.3	3087.3	2879.3	2804.4	2746.1	2796.1	2787.7	2929.2	2987.5	3037.4
10°	3511.7	3070.7	2721.2	2463.2	2363.3	2305.1	2296.8	2313.4	2396.6	2454.9	2513.1
12.5°	3594.9	2970.8	2454.9	2155.3	2047.1	1980.5	1922.3	1922.3	1938.9	2013.8	2038.8
15°	3869.6	3029.1	2330.1	2005.5	1864.0	1755.9	1681.0	1622.7	1631.0	1639.4	1664.3
17.5°	4269.0	3178.9	2288.4	1914.0	1764.2	1631.0	1556.1	1489.6	1472.9	1472.9	1464.6
20°	4651.8	3295.4	2255.2	1839.1	1647.7	1531.2	1464.6	1406.4	1381.4	1381.4	1381.4
22.5°	4809.9	3395.2	2213.6	1747.5	1531.2	1423.0	1364.7	1323.1	1314.8	1314.8	1306.5
25°	4685.1	3361.9	2163.6	1656.0	1423.0	1339.8	1289.9	1248.2	1239.9	1248.2	1239.9
27.5°	4294.0	3245.4	2097.1	1581.1	1339.8	1264.9	1223.3	1181.7	1173.4	1181.7	1181.7
30°	3877.9	3045.7	1988.9	1522.9	1273.2	1190.0	1148.4	1106.8	1106.8	1115.1	1123.4
32.5°	3545.0	2846.0	1864.0	1448.0	1198.3	1123.4	1081.8	1040.2	1040.2	1056.8	1056.8
35°	3262.1	2687.9	1739.2	1373.1	1131.7	1048.5	1015.2	982.0	973.6	990.3	998.6
37.5°	3037.4	2546.4	1606.1	1298.2	1065.2	990.3	957.0	915.4	907.1	923.7	940.3
40°	2804.4	2388.3	1489.6	1206.6	998.6	923.7	890.4	840.5	840.5	857.1	873.8
42.5°	2579.7	2246.8	1414.7	1123.4	932.0	848.8	815.5	773.9	773.9	790.6	807.2
45°	2396.6	2113.7	1373.1	1040.2	857.1	782.2	740.6	707.3	715.7	732.3	748.9
47.5°	2221.9	1972.2	1381.4	998.6	807.2	707.3	665.7	640.8	657.4	682.4	699.0
50°	2088.7	1872.4	1389.7	932.0	740.6	649.1	607.5	590.8	615.8	640.8	657.4
52.5°	2005.5	1772.5	1339.8	848.8	690.7	590.8	565.9	565.9	590.8	607.5	624.1
55°	1922.3	1606.1	1231.6	757.3	640.8	549.2	532.6	532.6	557.5	574.2	582.5
57.5°	1855.7	1431.3	1106.8	682.4	582.5	507.6	507.6	507.6	515.9	524.3	540.9
60°	1730.9	1248.2	948.7	624.1	524.3	474.3	466.0	466.0	457.7	466.0	491.0
62.5°	1514.5	1048.5	807.2	557.5	474.3	432.7	424.4	399.4	374.5	382.8	399.4
65°	*1281.5*	*832.2*	*674.1*	*482.7*	*407.8*	*382.8*	*374.5*	*332.9*	*299.6*	*307.9*	*332.9*
67.5°	1023.6	624.1	565.9	416.1	349.5	324.5	324.5	299.6	274.6	274.6	291.3
70°	798.9	524.3	424.4	332.9	274.6	274.6	291.3	266.3	233.0	233.0	258.0
72.5°	649.1	424.4	341.2	258.0	216.4	233.0	241.3	216.4	191.4	191.4	208.0
75°	507.6	332.9	266.3	191.4	166.4	174.8	191.4	174.8	149.8	158.1	166.4
77.5°	349.5	224.7	174.8	141.5	124.8	133.1	133.1	124.8	116.5	116.5	124.8
80°	233.0	149.8	116.5	99.9	91.5	91.5	83.2	83.2	91.5	91.5	99.9
82.5°	166.4	108.2	91.5	74.9	58.3	58.3	66.6	66.6	74.9	74.9	83.2
85°	99.9	74.9	66.6	49.9	41.6	49.9	49.9	58.3	66.6	66.6	74.9
87.5°	74.9	58.3	49.9	41.6	33.3	33.3	41.6	41.6	49.9	58.3	58.3
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: P1365317
CATALOG NUMBER: GSS-SB6C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1	4685.1
2.5°	4202.4	4302.3	4443.8	4568.6	4718.4	4868.2	5009.6	5142.8	5151.1	5159.4
5°	3744.7	3944.5	4177.5	4460.4	4760.0	5051.2	5359.1	5608.8	5667.0	5700.3
7.5°	3237.1	3528.4	3886.2	4285.6	4735.0	5184.4	5617.1	5991.6	6133.0	6166.3
10°	2704.5	3062.4	3495.1	4011.0	4618.5	5217.7	5800.2	6257.9	6424.3	6457.6
12.5°	2230.2	2521.5	3020.8	3644.9	4377.2	5167.7	5866.8	6374.4	6540.8	6582.4
15°	1822.4	2097.1	2563.1	3220.5	4044.3	4993.0	5816.8	6399.3	6565.8	6599.1
17.5°	1506.2	1681.0	2105.4	2821.0	3744.7	4768.3	5750.2	6416.0	6574.1	6599.1
20°	1381.4	1414.7	1639.4	2338.4	3428.5	4601.9	5708.6	6440.9	6599.1	6624.0
22.5°	1323.1	1323.1	1373.1	1780.8	2987.5	4427.1	5692.0	6515.8	6632.3	6657.3
25°	1264.9	1264.9	1281.5	1398.0	2463.2	4210.7	5725.3	6649.0	6723.9	6723.9
27.5°	1206.6	1206.6	1223.3	1248.2	1830.8	3852.9	5733.6	6798.8	6832.1	6807.1
30°	1148.4	1165.0	1165.0	1181.7	1348.1	3403.5	5683.7	6965.2	6965.2	6915.3
32.5°	1090.1	1098.5	1115.1	1123.4	1173.4	2821.0	5600.5	7173.2	7131.6	7065.1
35°	1040.2	1048.5	1048.5	1065.2	1115.1	2255.2	5508.9	7456.2	7339.7	7264.8
37.5°	973.6	982.0	990.3	1006.9	1056.8	1789.2	5375.8	7697.5	7614.3	7514.4
40°	915.4	923.7	932.0	948.7	998.6	1539.5	5209.3	8063.7	8047.0	7930.5
42.5°	848.8	865.4	873.8	882.1	948.7	1406.4	5092.8	8654.5	8654.5	8513.0
45°	790.6	807.2	807.2	823.8	915.4	1289.9	5350.8	9470.0	9536.6	9403.4
47.5°	740.6	748.9	748.9	757.3	865.4	1190.0	6041.5	10718.3	10635.0	10543.5
50°	690.7	707.3	690.7	699.0	823.8	1248.2	7181.6	12316.0	12532.4	12374.3
52.5°	657.4	665.7	632.4	632.4	765.6	1323.1	8113.6	14354.8	15078.8	14887.4
55°	615.8	624.1	582.5	582.5	674.1	1148.4	8171.8	16676.6	18266.0	18390.8
57.5°	574.2	574.2	540.9	532.6	582.5	932.0	7248.1	18474.0	22077.3	22360.2
60°	524.3	515.9	499.3	482.7	532.6	857.1	5525.6	18232.7	23966.3	24948.3
62.5°	449.4	466.0	457.7	424.4	482.7	798.9	3603.3	15777.8	21836.0	22701.4
65°	*374.5*	*399.4*	*399.4*	*374.5*	*532.6*	*699.0*	*1897.3*	*12632.2*	*18224.4*	*19264.6*
67.5°	332.9	349.5	341.2	324.5	474.3	441.0	915.4	9686.4	15603.1	16601.7
70°	291.3	307.9	282.9	266.3	382.8	316.2	540.9	6482.6	12881.9	13855.5
72.5°	241.3	258.0	233.0	208.0	282.9	241.3	357.8	4219.1	10726.6	11808.4
75°	199.7	208.0	191.4	166.4	208.0	191.4	249.6	2754.5	8970.7	9769.6
77.5°	141.5	158.1	149.8	124.8	149.8	133.1	174.8	1572.8	6257.9	6857.0
80°	108.2	108.2	108.2	99.9	91.5	91.5	116.5	707.3	3037.4	3378.6
82.5°	91.5	91.5	83.2	74.9	66.6	58.3	66.6	208.0	1431.3	1514.5
85°	83.2	66.6	58.3	49.9	41.6	25.0	25.0	58.3	291.3	241.3
87.5°	49.9	41.6	33.3	16.6	8.3	8.3	0.0	8.3	8.3	8.3
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

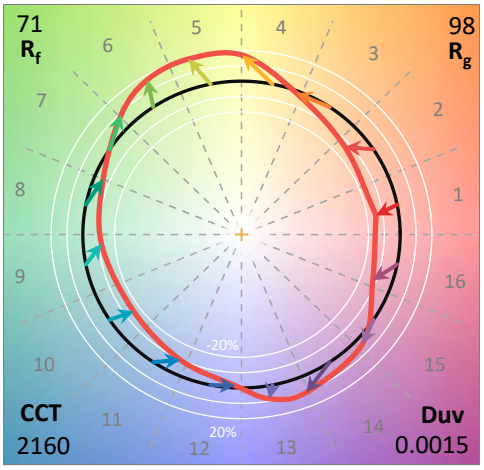
Test Information

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

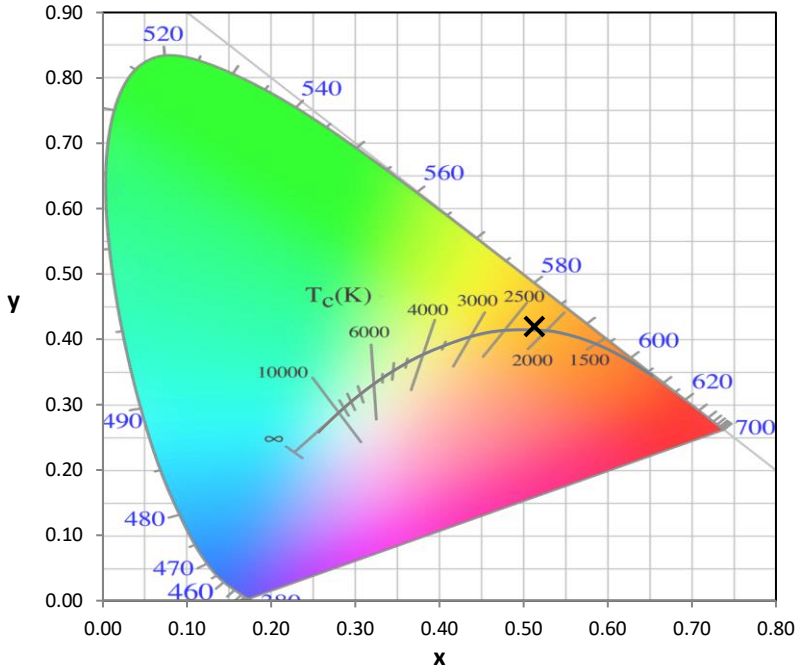
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

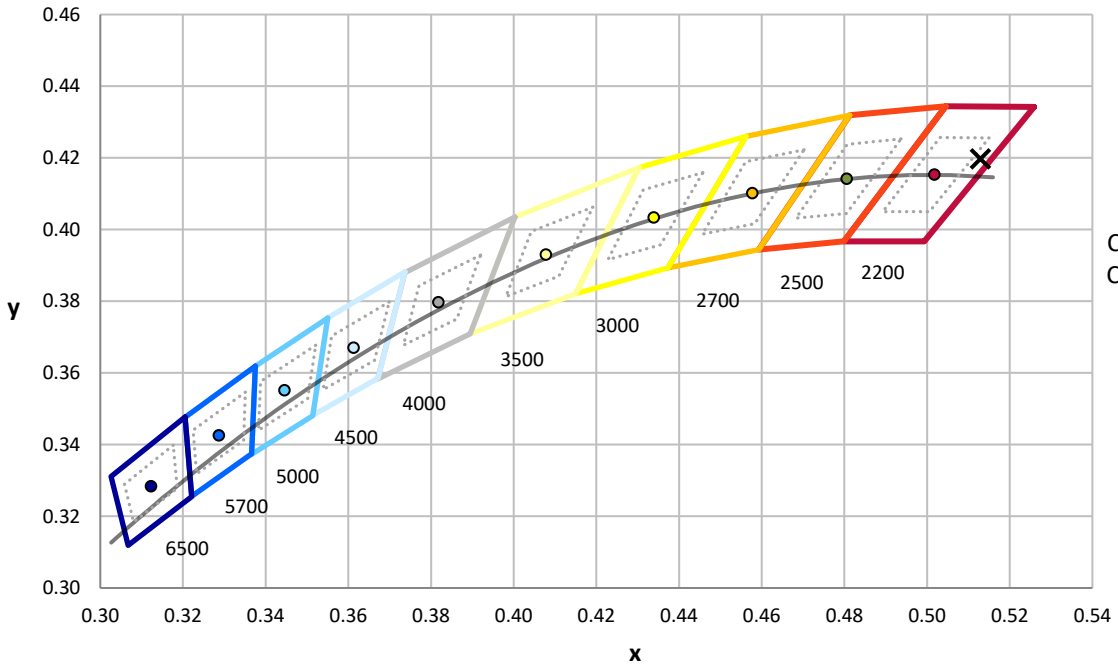
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

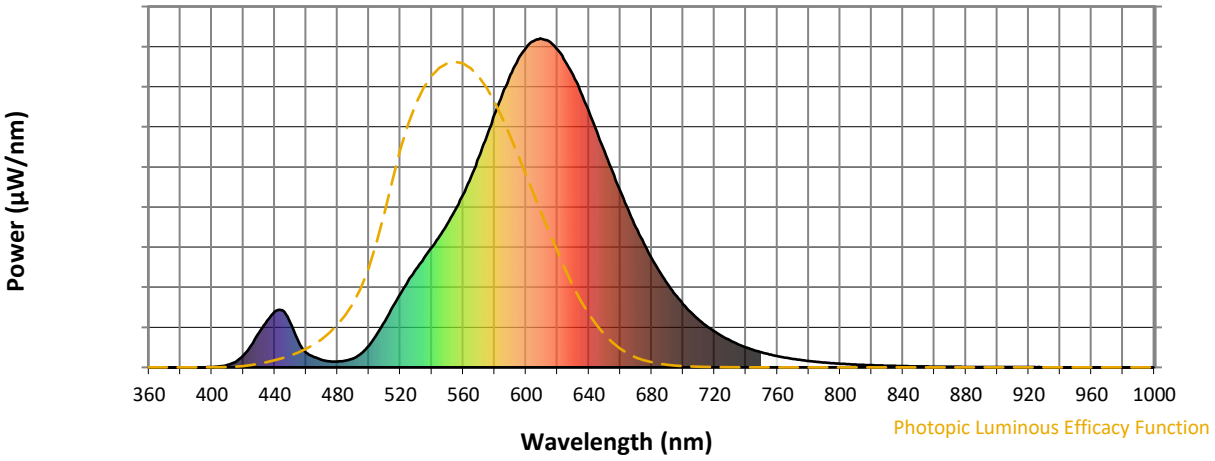


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

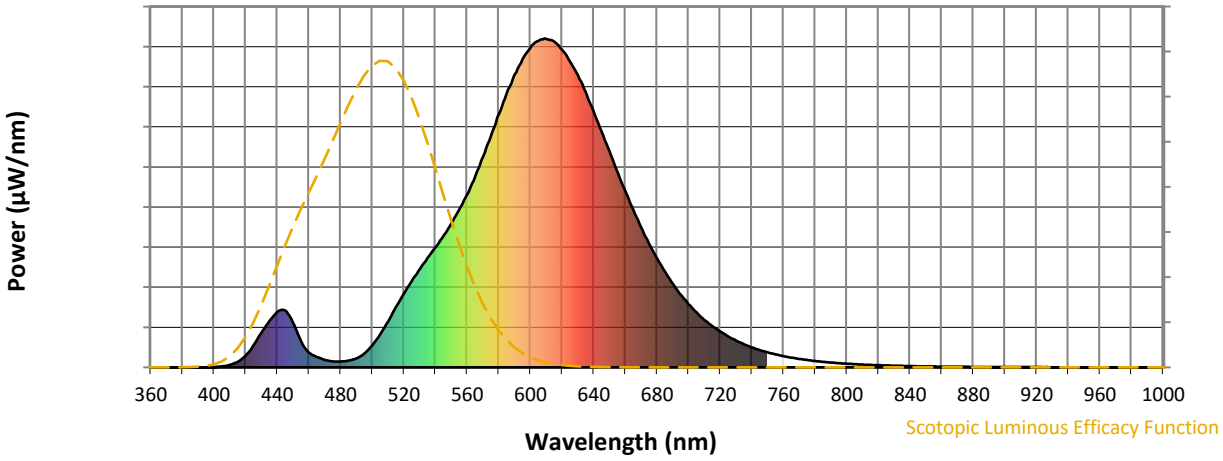


Photopic Lumens: NR

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

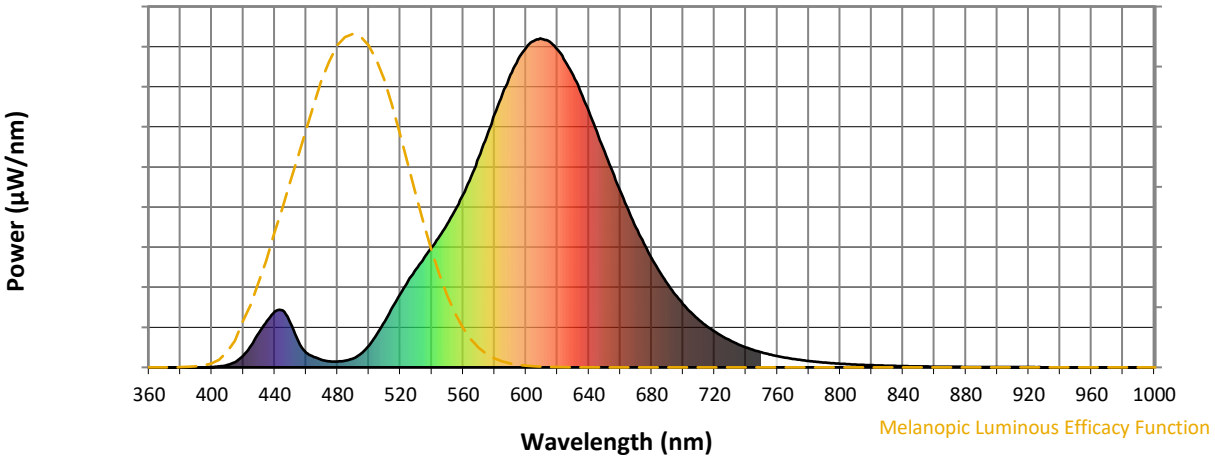


Scotopic Lumens: NR **S/P: 0.8**

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			

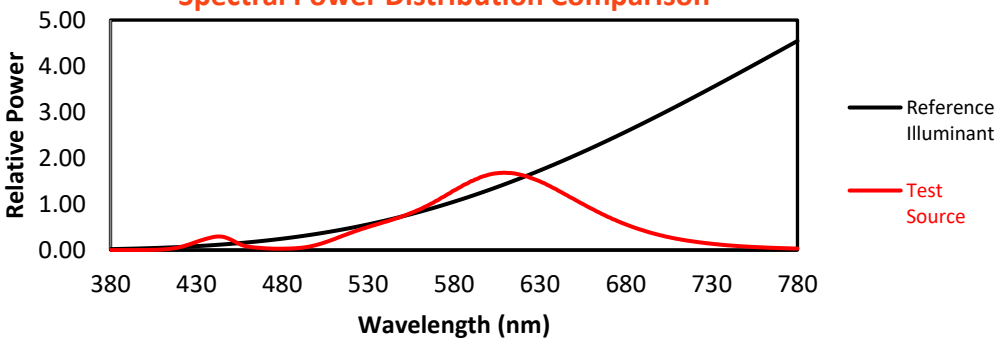
REPORT NUMBER: SP1-2407-184-2

TM-30-18

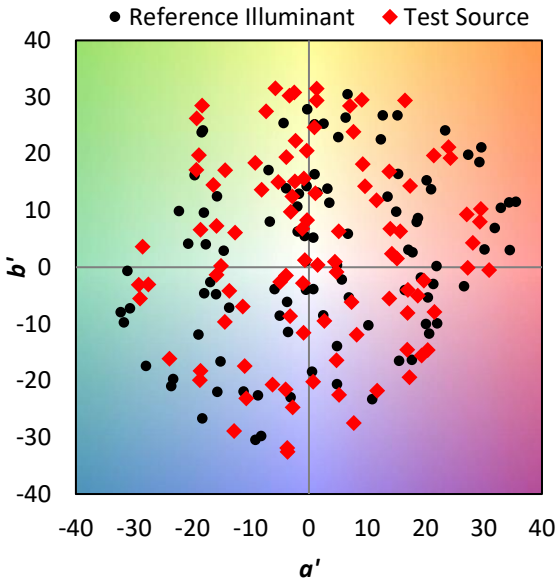
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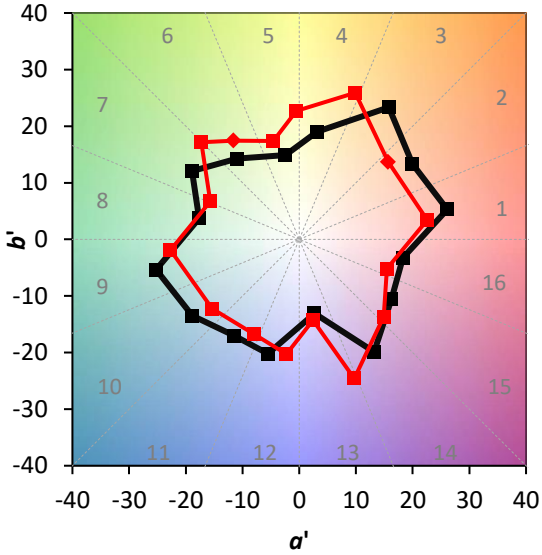
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

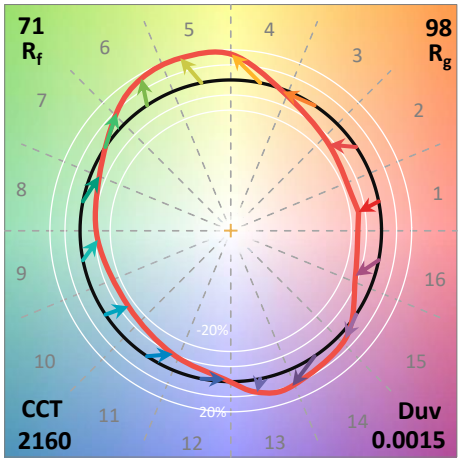
Spectral Power Distribution Comparison

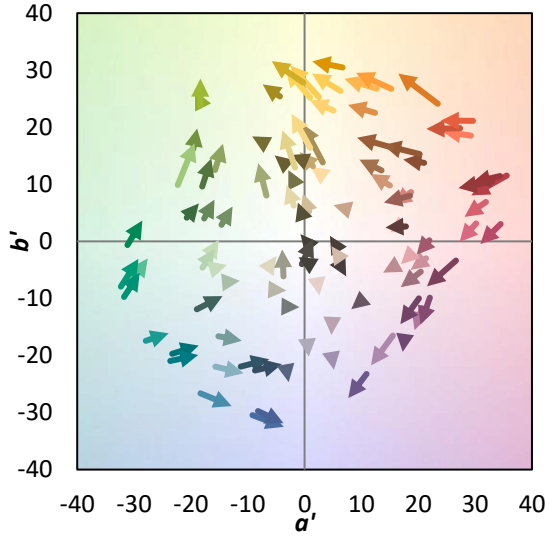


Color Vector Graphics







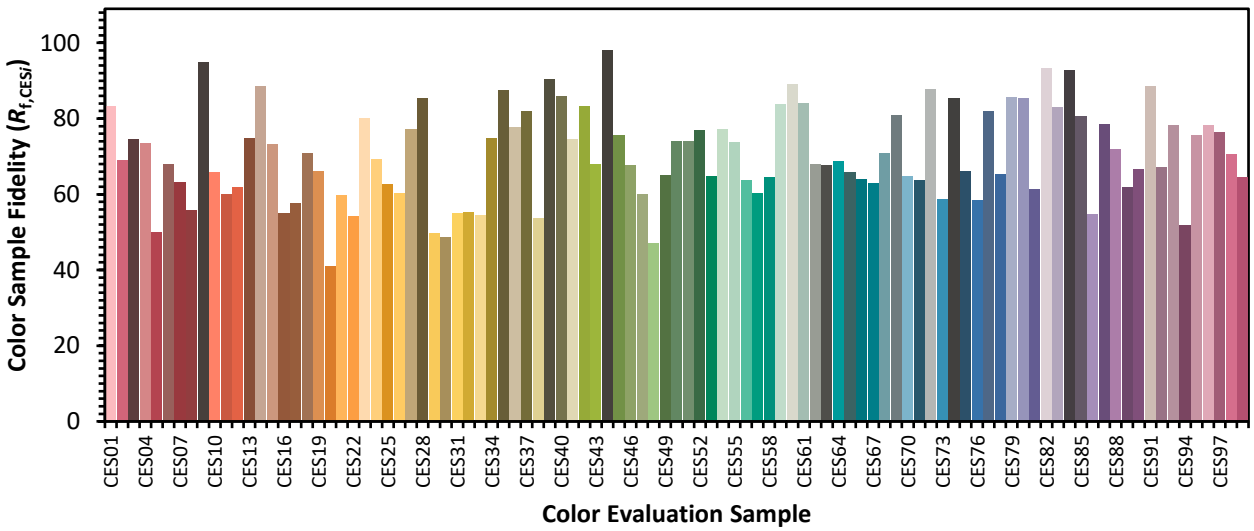


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Individual Sample Fidelity Index ($R_{f,i}$)

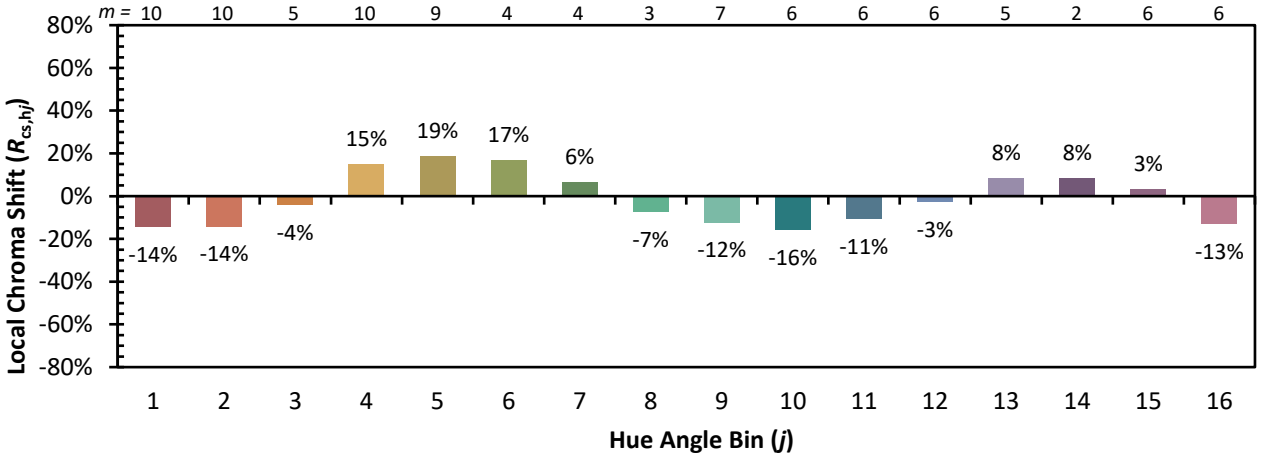
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

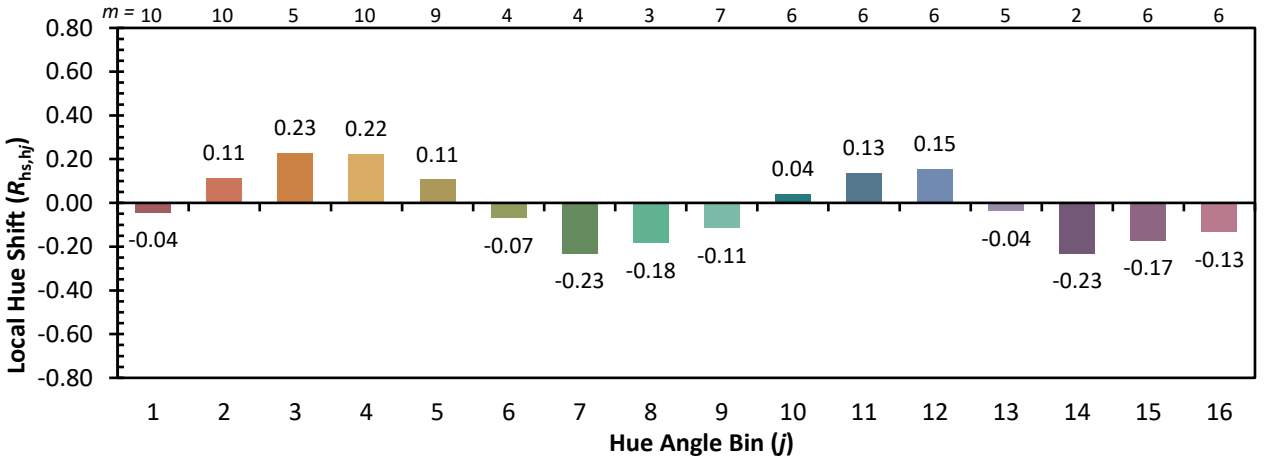


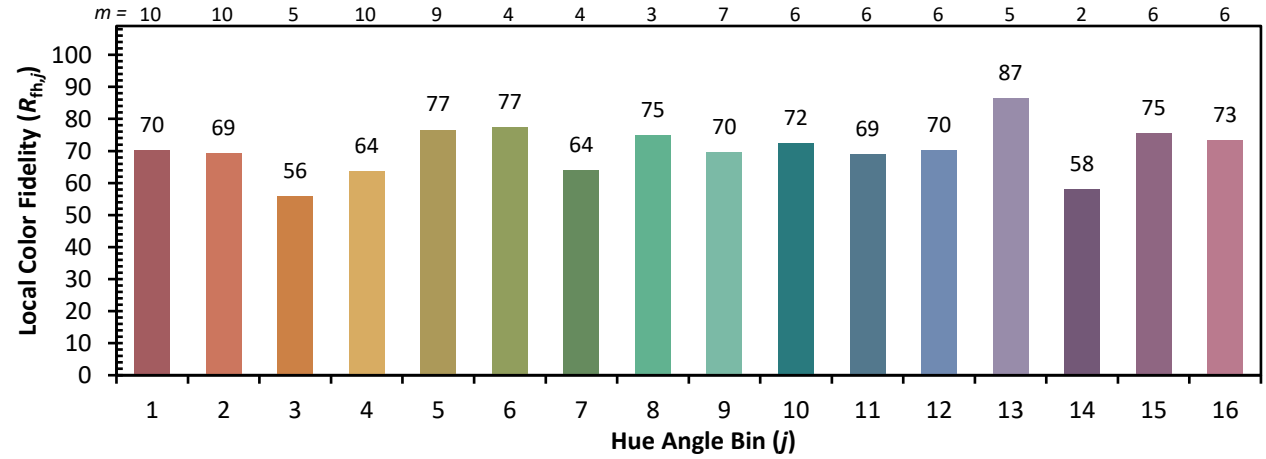
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Color Rendition by Hue-Angle Bin



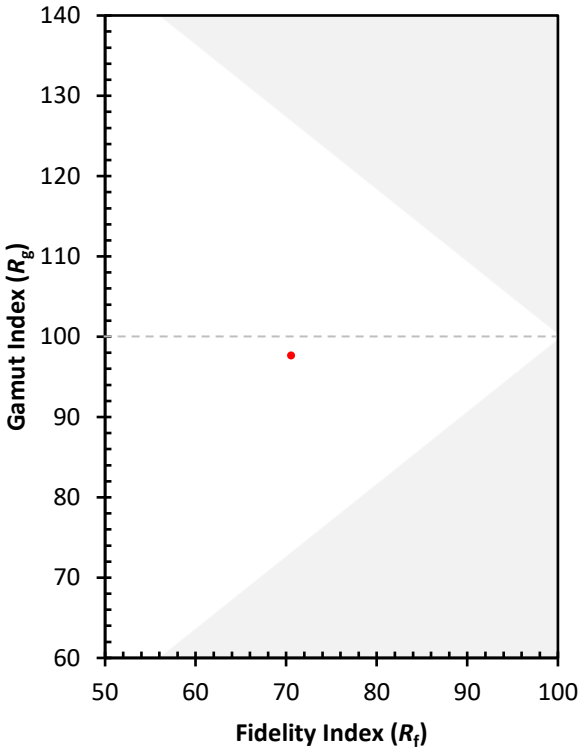


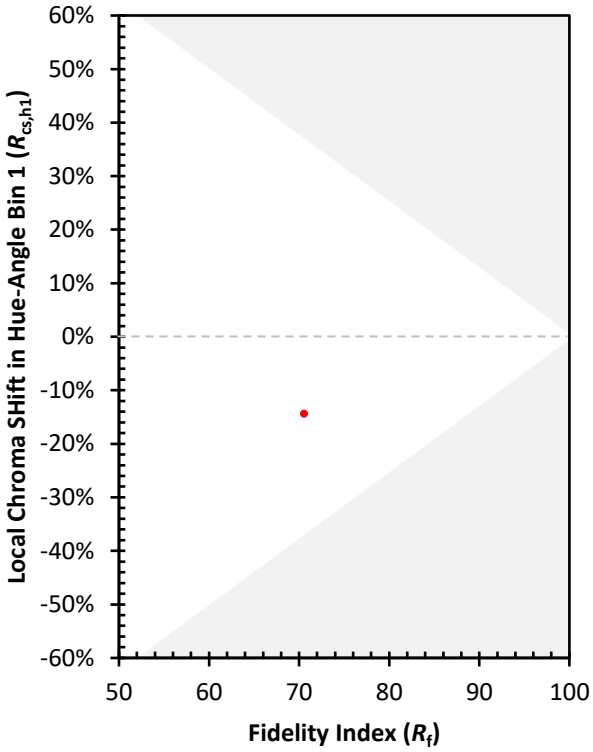


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Measure Comparisons





(END OF REPORT)