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: P1501439

Luminaire Tested: GSS-SB5C-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:	P1501439
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36015 lumens
Efficiency:	N/A
Efficacy:	142.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

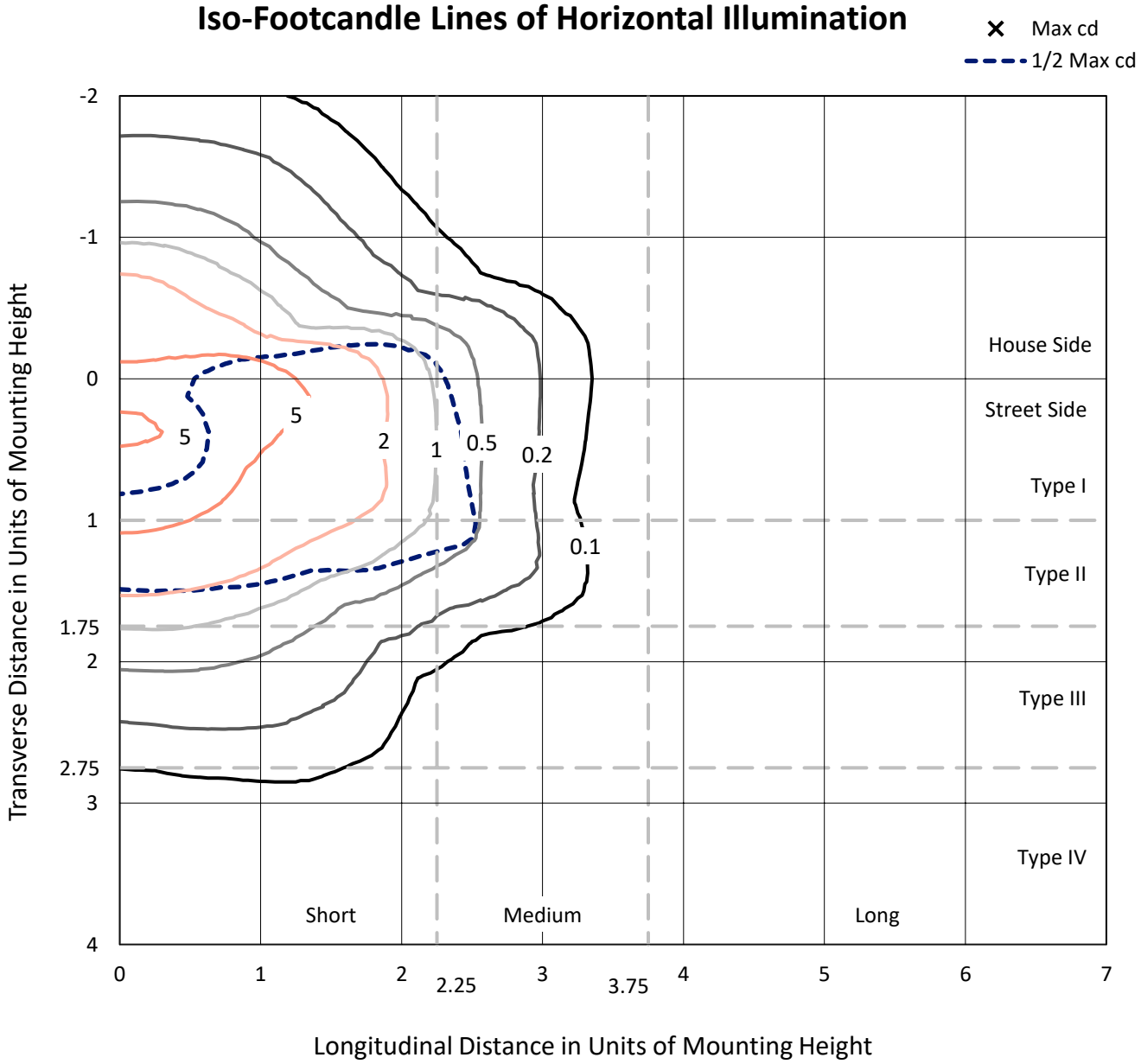
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



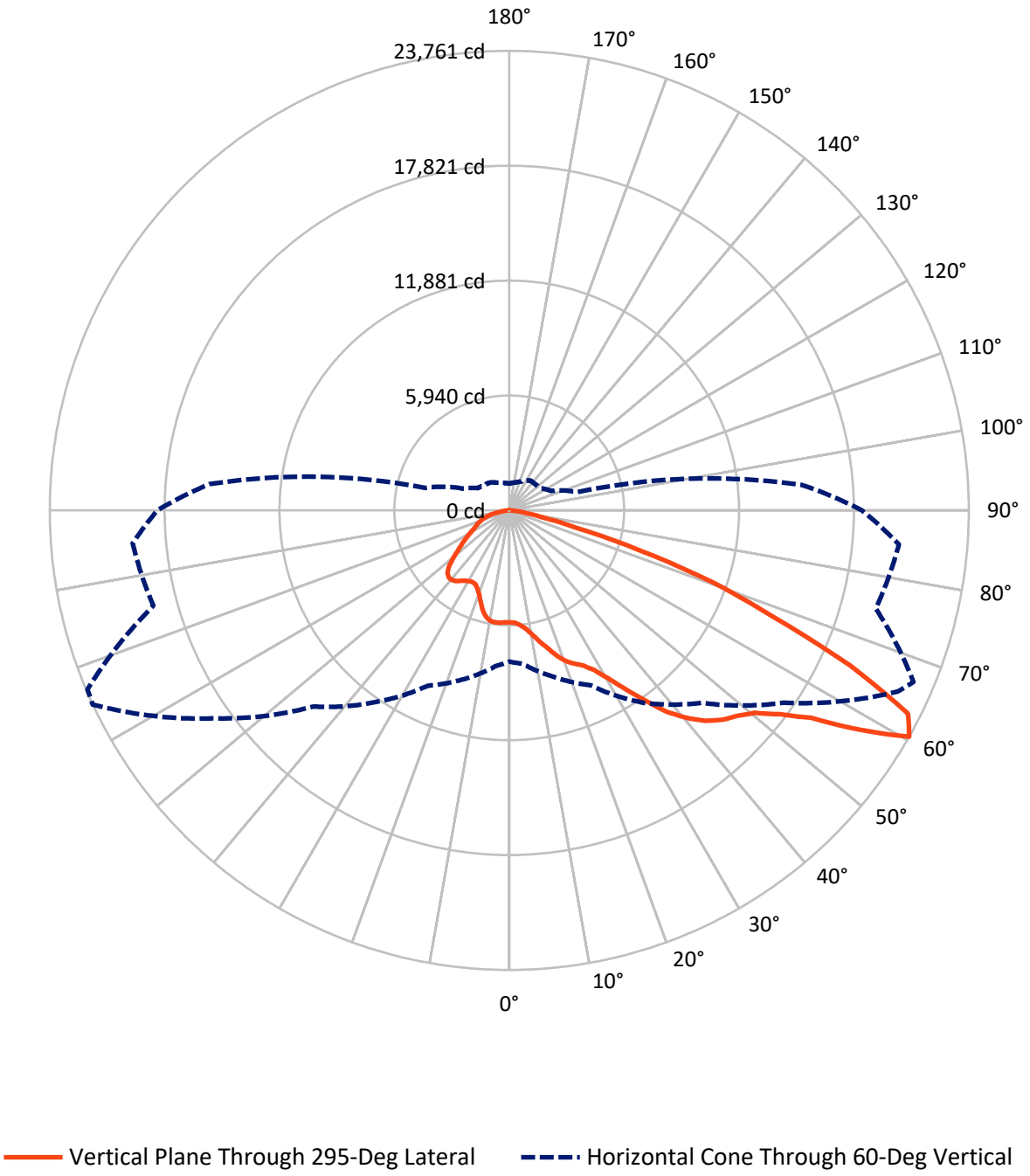
Based on 30 foot mounting height. Maximum calculated value = 9.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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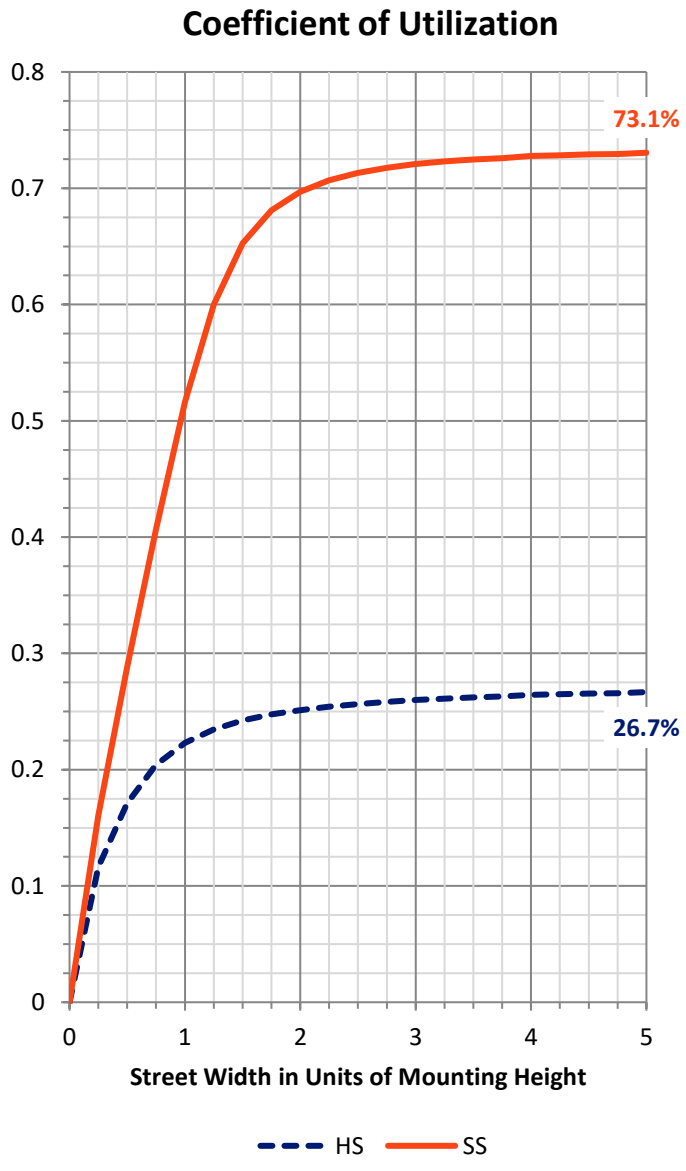
REPORT NUMBER: P1501439
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9684.9	0.0	9684.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	26330.1	0.0	26330.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	36015.0	0.0	36015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.8	1.5
10°-20°	1566.2	4.3
20°-30°	2966.7	8.2
30°-40°	5230.1	14.5
40°-50°	7734.8	21.5
50°-60°	9082.7	25.2
60°-70°	6580.8	18.3
70°-80°	2029.5	5.6
80°-90°	279.4	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°	36015.0	100.0
0°-180°	36015.0	100.0



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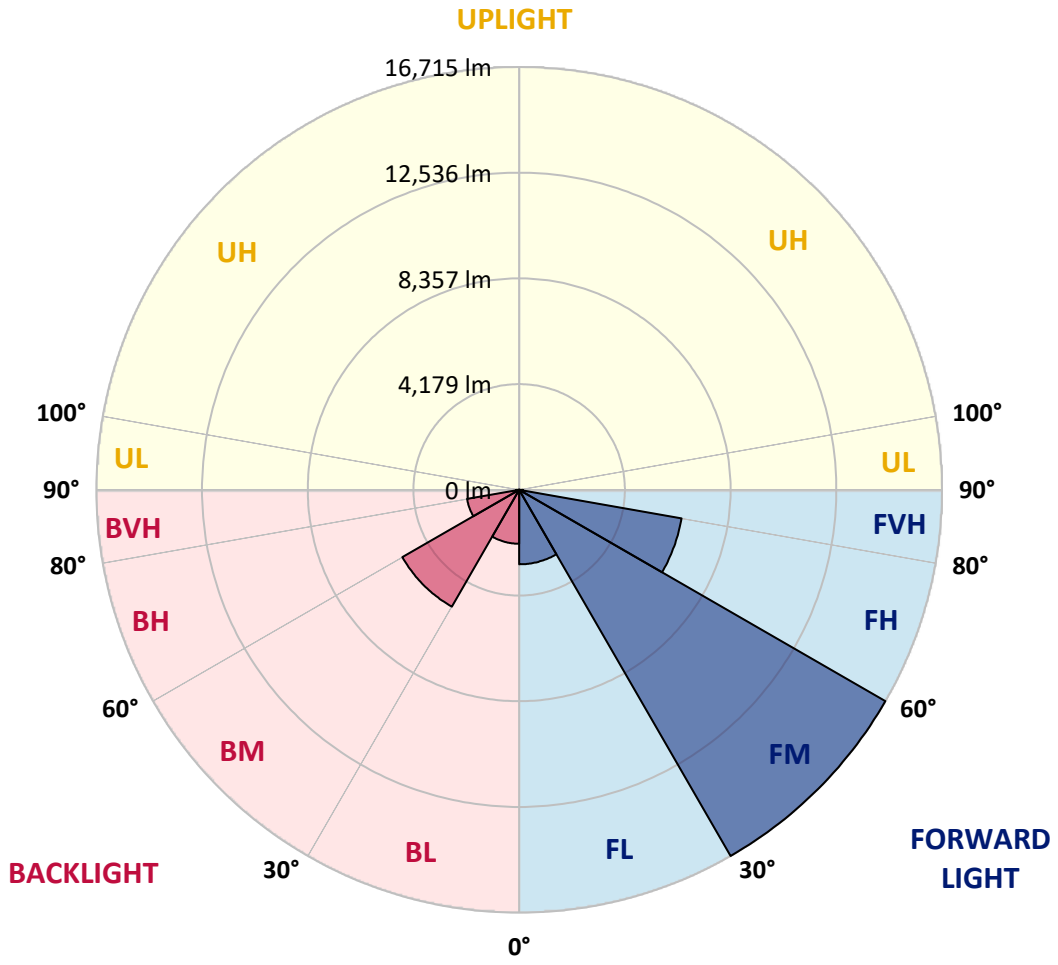
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2944.8	8.2			
FM	(30°-60°)	16714.8	46.4			
FH	(60°-80°)	6519.8	18.1			G3/7500
FVH	(80°-90°)	150.7	0.4			G2/225
BL	(0°-30°)	2132.9	5.9	B3/2500		
BM	(30°-60°)	5332.8	14.8	B4/8500		
BH	(60°-80°)	2090.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	128.7	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6
2.5°	5909.6	5926.0	5901.4	5917.8	5917.8	5893.1	5884.9	5852.1	5868.5	5860.3	5852.1
5°	6049.1	6057.3	6040.9	6065.5	6065.5	6073.7	6065.5	6024.5	6024.5	6024.5	6008.1
7.5°	6008.1	6008.1	6016.3	6098.3	6180.4	6287.1	6287.1	6270.7	6287.1	6278.9	6205.0
10°	5663.3	5696.2	5770.0	5975.2	6172.2	6402.0	6558.0	6607.2	6607.2	6615.4	6492.3
12.5°	5047.7	5072.4	5244.7	5556.6	5967.0	6385.6	6763.2	7009.4	7034.0	7075.1	6910.9
15°	4497.8	4514.2	4637.4	4957.5	5425.3	6164.0	6878.1	7386.9	7469.0	7641.4	7395.2
17.5°	4547.1	4538.9	4571.7	4694.8	5031.3	5802.9	6853.4	7830.2	7977.9	8281.6	8068.2
20°	4842.6	4842.6	4867.2	4891.8	5014.9	5540.2	6672.9	8191.3	8478.6	9069.5	8823.3
22.5°	5310.4	5310.4	5302.2	5343.2	5343.2	5655.1	6681.1	8462.2	8889.0	9947.8	9709.7
25°	5958.8	5926.0	5926.0	5942.4	5868.5	6090.1	6886.3	8741.2	9299.3	10990.1	10784.9
27.5°	6689.3	6713.9	6697.5	6640.0	6541.6	6713.9	7378.7	9176.2	9759.0	12090.0	12007.9
30°	7485.4	7493.6	7510.1	7477.2	7395.2	7518.3	8150.3	9832.8	10366.3	13239.1	13419.6
32.5°	8265.2	8380.1	8339.0	8257.0	8289.8	8511.4	9102.4	10719.3	11269.2	14306.1	14946.3
35°	9258.3	9299.3	9463.5	9159.8	9168.0	9545.6	10317.1	11884.8	12418.3	15414.1	16472.9
37.5°	10702.9	10776.7	10702.9	10226.8	10152.9	10678.2	11499.0	13033.9	13419.6	16251.3	17892.8
40°	12122.8	12213.1	12336.2	11778.1	11310.2	11745.2	12615.3	13912.1	14314.3	16710.9	18836.7
42.5°	13296.5	13444.2	13312.9	13148.8	12722.0	12804.0	13395.0	14593.3	14995.5	17293.7	19788.8
45°	14289.6	14314.3	14371.7	14256.8	14043.4	13969.5	14059.8	15192.5	15635.7	17556.3	20256.7
47.5°	14700.0	14806.7	14856.0	15053.0	15274.6	15126.8	14626.2	15471.6	15873.7	17539.9	20404.4
50°	14478.4	14585.1	14847.8	15315.6	15849.1	16111.8	15291.0	15857.3	16308.7	17835.4	20708.1
52.5°	13895.7	14010.6	14437.4	14970.9	15865.5	16464.7	16226.7	16661.7	17096.7	18360.7	21217.0
55°	12483.9	12656.3	13255.5	14141.9	15373.1	16275.9	17211.6	17843.6	18319.6	18992.7	21742.2
57.5°	10432.0	10612.6	11285.6	12615.3	14462.0	15496.2	17498.9	20059.7	20273.1	19747.8	21791.5
60°	*7813.7*	*7961.5*	*8913.6*	*9980.6*	*12147.4*	*14068.0*	*17334.7*	*22160.8*	*22702.6*	*19616.4*	*20223.8*
62.5°	6188.6	6369.2	7214.6	7707.0	9258.3	11622.1	16760.2	22743.6	23211.4	18533.0	18040.6
65°	4834.3	4957.5	5745.4	6451.3	6828.8	7936.9	14363.5	19895.5	20314.1	16768.4	14888.8
67.5°	3192.8	3381.6	4317.3	5285.8	5482.8	5047.7	9882.1	15307.4	15504.4	13329.3	11195.3
70°	2290.0	2380.2	3077.9	4112.1	4407.5	3381.6	5384.3	11589.3	11646.8	8946.4	7542.9
72.5°	1559.5	1575.9	2093.0	3151.8	3512.9	2454.1	2963.0	7633.2	7436.2	4415.8	4317.3
75°	1058.8	1075.2	1337.9	2101.2	2486.9	1707.2	1928.8	4161.3	3997.2	2437.7	2618.3
77.5°	714.1	730.5	919.3	1411.7	1658.0	1181.9	1411.7	2199.7	2158.6	1616.9	1403.5
80°	541.7	566.3	681.2	902.8	1157.3	689.4	804.4	1042.4	1058.8	861.8	714.1
82.5°	303.7	336.5	410.4	459.6	746.9	385.8	385.8	623.8	599.2	533.5	385.8
85°	131.3	139.5	164.2	172.4	303.7	164.2	139.5	270.9	279.1	262.6	123.1
87.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	32.8	32.8	32.8	32.8
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°	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6
2.5°	5811.1	5860.3	5811.1	5786.4	5786.4	5745.4	5729.0	5729.0	5671.5	5696.2	5679.7
5°	5942.4	5958.8	5901.4	5827.5	5729.0	5646.9	5532.0	5384.3	5294.0	5285.8	5294.0
7.5°	6147.6	6155.8	5999.8	5835.7	5589.5	5294.0	4941.0	4653.8	4399.3	4358.3	4407.5
10°	6434.9	6418.4	6188.6	5802.9	5285.8	4662.0	4120.3	3857.6	3709.9	3701.7	3693.5
12.5°	6820.6	6713.9	6361.0	5663.3	4760.5	4038.2	3759.1	3742.7	3783.8	3816.6	3824.8
15°	7263.8	7124.3	6500.5	5392.5	4227.0	3808.4	3824.8	3964.3	4013.6	4046.4	4046.4
17.5°	7813.7	7633.2	6656.5	5006.7	3956.1	3857.6	3972.5	4103.9	4185.9	4218.8	4210.6
20°	8544.2	8166.7	6779.6	4637.4	3882.3	3939.7	4038.2	4169.5	4251.6	4292.6	4292.6
22.5°	9274.7	8806.9	6804.2	4382.9	3882.3	3947.9	4038.2	4169.5	4259.8	4300.8	4292.6
25°	10267.9	9627.7	6812.4	4202.4	3890.5	3906.9	3989.0	4103.9	4235.2	4276.2	4292.6
27.5°	11326.7	10530.5	6853.4	4161.3	3857.6	3849.4	3906.9	4013.6	4144.9	4251.6	4259.8
30°	12639.9	11548.3	6869.9	4202.4	3865.8	3759.1	3800.2	3906.9	4046.4	4153.1	4185.9
32.5°	13928.5	12492.1	6837.0	4292.6	3882.3	3701.7	3709.9	3775.6	3923.3	3997.2	4054.6
35°	15291.0	13493.5	6779.6	4415.8	3890.5	3677.1	3603.2	3636.0	3734.5	3742.7	3767.3
37.5°	16358.0	14240.4	6607.2	4579.9	3906.9	3586.8	3439.0	3414.4	3373.4	3291.3	3307.7
40°	17236.2	14741.1	6319.9	4662.0	3865.8	3480.1	3233.8	3118.9	2963.0	2839.9	2864.5
42.5°	17868.2	15077.6	5975.2	4678.4	3800.2	3299.5	2995.8	2798.8	2626.5	2495.1	2503.4
45°	18147.3	15044.7	5605.9	4555.3	3644.2	3077.9	2774.2	2585.4	2396.7	2257.1	2240.7
47.5°	18155.5	14724.6	5097.0	4259.8	3381.6	2823.5	2569.0	2363.8	2207.9	2109.4	2101.2
50°	18221.1	14544.1	4620.9	3833.0	3036.9	2552.6	2388.4	2183.3	2093.0	1953.4	1912.4
52.5°	18631.5	14839.6	4292.6	3365.2	2716.8	2355.6	2232.5	2051.9	1904.2	1813.9	1805.7
55°	19296.3	15348.4	4112.1	3012.2	2413.1	2166.8	2084.8	1928.8	1797.5	1707.2	1682.6
57.5°	19378.4	15611.1	3898.7	2683.9	2166.8	2019.1	1986.3	1813.9	1625.1	1559.5	1534.8
60°	*18229.3*	*15167.9*	*3636.0*	*2380.2*	*1986.3*	*1904.2*	*1887.8*	*1658.0*	*1502.0*	*1419.9*	*1387.1*
62.5°	16661.7	14059.8	3233.8	2101.2	1846.7	1789.3	1723.6	1543.1	1346.1	1255.8	1231.2
65°	13616.6	11819.1	2749.6	1912.4	1707.2	1641.5	1625.1	1378.9	1247.6	1198.3	1190.1
67.5°	10317.1	9496.3	2421.3	1772.9	1559.5	1534.8	1477.4	1395.3	1337.9	1280.4	1264.0
70°	7296.7	6853.4	2060.1	1592.3	1411.7	1370.7	1608.7	1518.4	1313.2	1239.4	1231.2
72.5°	4424.0	4300.8	1781.1	1428.1	1214.7	1280.4	1485.6	1370.7	1181.9	1091.6	1058.8
75°	2790.6	2552.6	1493.8	1214.7	968.5	1042.4	1296.8	1223.0	1017.8	927.5	902.8
77.5°	1518.4	1411.7	1124.5	993.1	763.3	845.4	1132.7	1009.5	812.6	886.4	787.9
80°	664.8	738.7	746.9	574.5	508.9	623.8	812.6	787.9	623.8	632.0	525.3
82.5°	320.1	418.6	484.3	394.0	287.3	369.3	541.7	451.4	418.6	394.0	377.6
85°	98.5	155.9	213.4	188.8	131.3	155.9	254.4	246.2	295.5	254.4	238.0
87.5°	32.8	32.8	24.6	24.6	24.6	32.8	41.0	24.6	8.2	8.2	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°	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6
2.5°	5671.5	5679.7	5679.7	5687.9	5687.9	5712.6	5745.4	5778.2	5753.6	5786.4	5794.6
5°	5277.6	5318.6	5351.4	5474.5	5573.0	5655.1	5745.4	5827.5	5852.1	5868.5	5909.6
7.5°	4350.1	4465.0	4678.4	4957.5	5269.4	5573.0	5778.2	5991.6	6024.5	6065.5	6123.0
10°	3701.7	3750.9	3898.7	4185.9	4744.1	5343.2	5843.9	6180.4	6319.9	6402.0	6459.5
12.5°	3808.4	3775.6	3750.9	3792.0	4153.1	4924.6	5802.9	6451.3	6713.9	6804.2	6878.1
15°	4062.8	4030.0	3939.7	3824.8	3865.8	4481.4	5663.3	6705.7	7124.3	7272.0	7428.0
17.5°	4210.6	4177.7	4103.9	3980.7	3874.0	4112.1	5400.7	6935.5	7772.7	7953.3	8174.9
20°	4292.6	4259.8	4185.9	4062.8	3939.7	3972.5	5064.2	7222.8	8511.4	8798.7	9127.0
22.5°	4309.1	4268.0	4185.9	4062.8	3989.0	3964.3	4744.1	7395.2	9307.6	9750.8	10128.3
25°	4300.8	4227.0	4120.3	4030.0	3989.0	3980.7	4522.5	7493.6	10169.4	10875.2	11302.0
27.5°	4243.4	4153.1	4046.4	3980.7	3964.3	4013.6	4424.0	7608.6	11178.9	12081.8	12763.0
30°	4177.7	4046.4	3915.1	3890.5	3931.5	4087.4	4506.0	7649.6	12237.7	13395.0	14092.7
32.5°	4005.4	3906.9	3775.6	3767.3	3865.8	4144.9	4694.8	7592.1	13173.4	14708.2	15586.5
35°	3759.1	3701.7	3627.8	3652.4	3808.4	4194.1	4826.1	7411.6	14027.0	15931.2	16957.1
37.5°	3324.1	3365.2	3406.2	3463.7	3660.6	4185.9	4883.6	7124.3	14732.9	16907.9	18221.1
40°	2839.9	2979.4	3110.7	3258.5	3521.1	4120.3	4900.0	6771.4	15143.2	17646.6	19345.6
42.5°	2536.2	2667.5	2831.7	3045.1	3332.3	3972.5	4883.6	6377.4	15274.6	18155.5	20059.7
45°	2257.1	2413.1	2618.3	2839.9	3168.2	3759.1	4735.9	5950.6	15340.2	18393.5	20363.4
47.5°	2109.4	2199.7	2388.4	2610.1	2954.8	3496.5	4448.6	5638.7	15241.7	18442.7	20732.7
50°	1937.0	2060.1	2183.3	2396.7	2733.2	3168.2	4103.9	5458.1	15405.9	18927.0	21315.4
52.5°	1805.7	1871.4	2002.7	2199.7	2445.9	2864.5	3775.6	5310.4	15857.3	19419.5	21922.8
55°	1707.2	1781.1	1863.2	2027.3	2216.1	2560.8	3439.0	5088.8	16382.6	19944.8	22530.2
57.5°	1551.3	1600.5	1715.4	1887.8	2010.9	2265.3	3045.1	4826.1	16341.6	19534.4	21479.6
60°	*1411.7*	*1461.0*	*1584.1*	*1756.5*	*1830.3*	*2002.7*	*2659.3*	*4489.6*	*15553.6*	*18196.5*	*19542.6*
62.5°	1255.8	1313.2	1461.0	1584.1	1649.8	1781.1	2257.1	3874.0	13912.1	16185.6	17277.2
65°	1190.1	1223.0	1321.4	1469.2	1461.0	1584.1	1904.2	3045.1	11195.3	12369.0	13362.2
67.5°	1264.0	1313.2	1296.8	1337.9	1313.2	1378.9	1707.2	2445.9	8798.7	9315.8	9890.3
70°	1247.6	1362.5	1419.9	1337.9	1149.1	1223.0	1477.4	1953.4	6295.3	6246.1	6221.5
72.5°	1091.6	1206.5	1370.7	1452.8	1124.5	1017.8	1280.4	1690.8	4038.2	4021.8	3636.0
75°	927.5	1009.5	1206.5	1313.2	968.5	820.8	1099.8	1436.4	2413.1	2445.9	2183.3
77.5°	853.6	812.6	1009.5	1157.3	787.9	632.0	886.4	1083.4	1329.7	1346.1	1247.6
80°	615.6	591.0	755.1	845.4	599.2	451.4	500.7	673.0	714.1	640.2	664.8
82.5°	394.0	402.2	451.4	541.7	369.3	246.2	344.7	451.4	385.8	311.9	369.3
85°	254.4	287.3	238.0	279.1	114.9	114.9	147.7	197.0	131.3	90.3	98.5
87.5°	0.0	0.0	16.4	32.8	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: P1501439
CATALOG NUMBER: GSS-SB5C-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6
2.5°	5819.3	5811.1	5811.1	5827.5	5868.5	5884.9	5909.6	5901.4	5926.0	5909.6
5°	5934.2	5942.4	5967.0	5975.2	5999.8	6032.7	6040.9	6032.7	6049.1	6049.1
7.5°	6164.0	6196.8	6180.4	6221.5	6188.6	6147.6	6081.9	6032.7	5991.6	6008.1
10°	6549.8	6533.3	6525.1	6451.3	6303.5	6090.1	5917.8	5729.0	5696.2	5663.3
12.5°	6976.6	6960.1	6960.1	6705.7	6287.1	5843.9	5449.9	5154.4	5056.0	5047.7
15°	7575.7	7469.0	7370.5	6837.0	5999.8	5244.7	4785.1	4555.3	4497.8	4497.8
17.5°	8322.6	8043.6	7879.4	6738.5	5532.0	4850.8	4579.9	4522.5	4506.0	4547.1
20°	9250.1	8544.2	8306.2	6516.9	5359.6	4900.0	4768.7	4776.9	4785.1	4842.6
22.5°	10267.9	9003.9	8609.9	6516.9	5532.0	5211.9	5146.2	5236.5	5261.1	5310.4
25°	11400.5	9414.3	8880.8	6861.7	6040.9	5802.9	5720.8	5811.1	5876.7	5958.8
27.5°	12672.7	9841.1	9348.6	7485.4	6697.5	6549.8	6459.5	6500.5	6590.8	6689.3
30°	13813.6	10555.1	10062.7	8437.5	7592.1	7411.6	7255.6	7321.3	7419.8	7485.4
32.5°	14823.1	11425.1	11006.6	9438.9	8618.1	8306.2	8133.8	8117.4	8314.4	8265.2
35°	15750.6	12451.1	12048.9	10579.7	9660.5	9274.7	9044.9	9340.4	9209.1	9258.3
37.5°	16481.1	13518.1	13198.0	11671.4	10743.9	10218.6	10079.1	10440.2	10645.4	10702.9
40°	17080.3	14445.6	14109.1	12754.8	11737.0	11351.3	11572.9	12172.0	12147.4	12122.8
42.5°	17539.9	15241.7	14872.4	13575.6	12689.1	12763.0	12935.4	13337.5	13436.0	13296.5
45°	17745.1	15742.4	15446.9	14224.0	13772.6	14199.4	14273.2	14445.6	14379.9	14289.6
47.5°	17983.1	16185.6	15873.7	14814.9	14946.3	15364.9	15217.1	15077.6	14839.6	14700.0
50°	18385.3	16710.9	16448.3	15676.7	16152.8	16013.3	15438.7	15126.8	14642.6	14478.4
52.5°	19148.6	17704.1	17507.1	17039.2	16719.1	15914.8	15217.1	14659.0	14117.3	13895.7
55°	19829.8	19050.1	18935.2	18311.4	16546.8	15397.7	14462.0	13600.2	12672.7	12483.9
57.5°	20223.8	21282.6	21413.9	18853.1	15758.8	14224.0	12845.1	11466.2	10588.0	10432.0
60°	19050.1	23695.7	23761.3	18746.4	14338.9	12106.4	10005.2	9028.5	8084.6	7813.7
62.5°	17433.2	23195.0	23137.6	18106.2	11416.9	8831.5	7600.3	7140.7	6410.2	6188.6
65°	14987.3	19321.0	19386.6	15643.9	7592.1	6385.6	6385.6	5802.9	4990.3	4834.3
67.5°	12213.1	14897.0	14749.3	10144.7	4662.0	5113.4	5359.6	4522.5	3381.6	3192.8
70°	7936.9	11375.9	11170.7	5852.1	2930.2	4259.8	4218.8	3398.0	2421.3	2290.0
72.5°	3414.4	6574.4	6993.0	2987.6	2207.9	3430.8	3365.2	2380.2	1616.9	1559.5
75°	2060.1	3307.7	3603.2	1904.2	1608.7	2585.4	2331.0	1510.2	1099.8	1058.8
77.5°	1305.0	1813.9	1797.5	1428.1	1206.5	1748.2	1567.7	1042.4	746.9	714.1
80°	755.1	894.6	927.5	894.6	812.6	1247.6	1001.3	755.1	582.7	541.7
82.5°	484.3	558.1	566.3	435.0	451.4	804.4	541.7	443.2	336.5	303.7
85°	213.4	238.0	229.8	147.7	147.7	328.3	188.8	180.6	131.3	131.3
87.5°	8.2	16.4	8.2	8.2	8.2	32.8	16.4	24.6	24.6	24.6
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

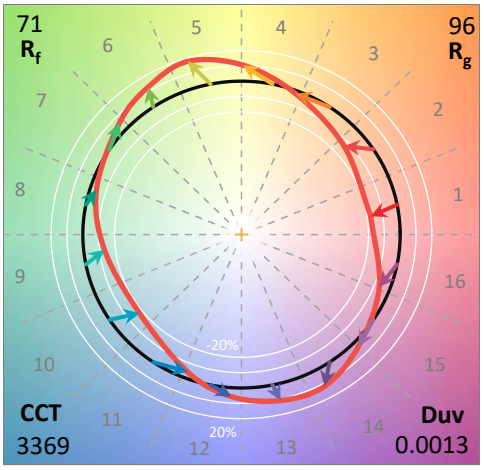
Test Information

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

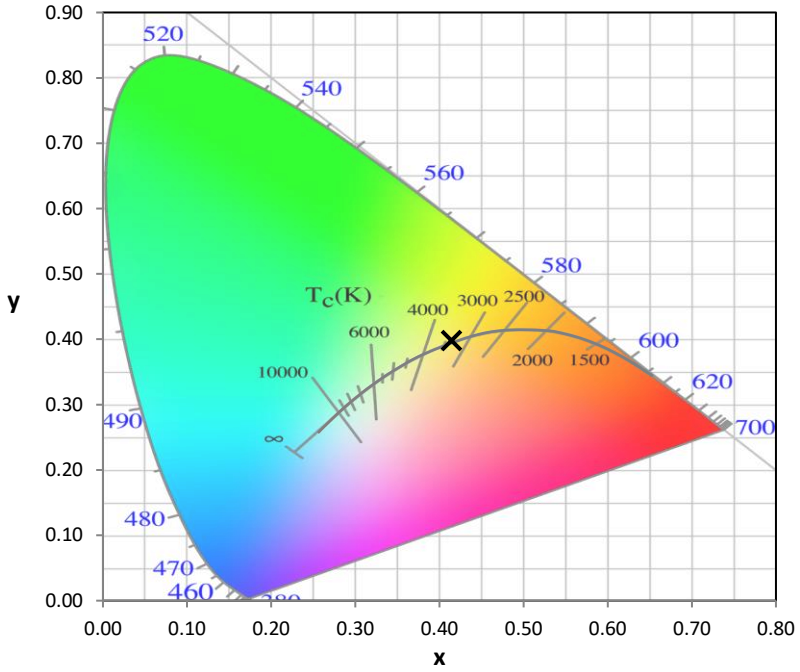
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

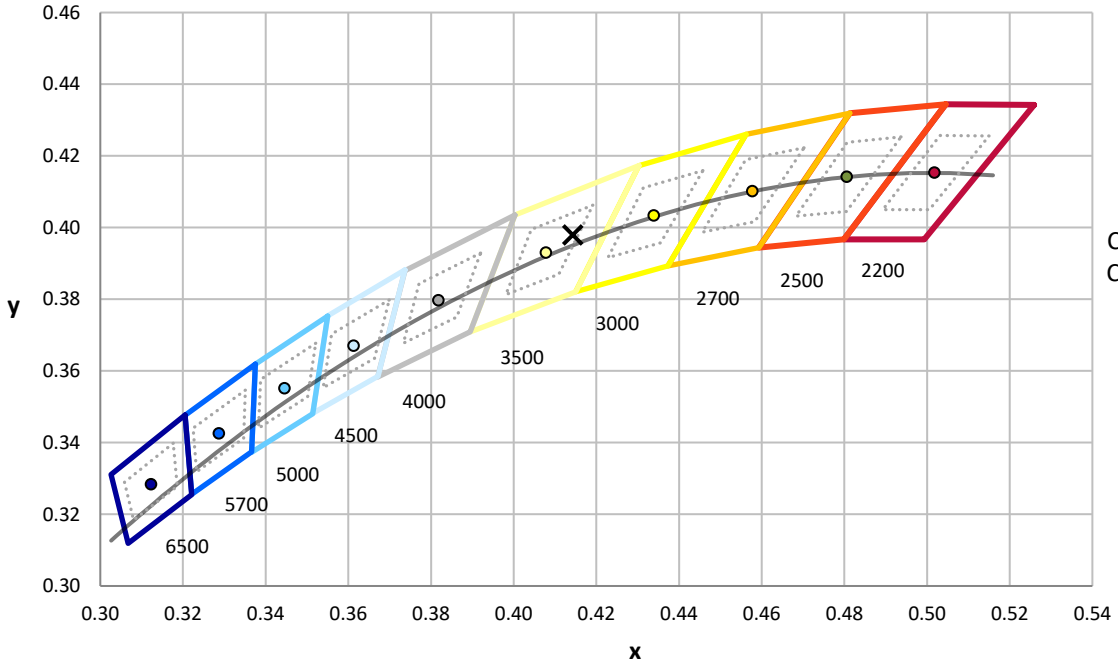
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

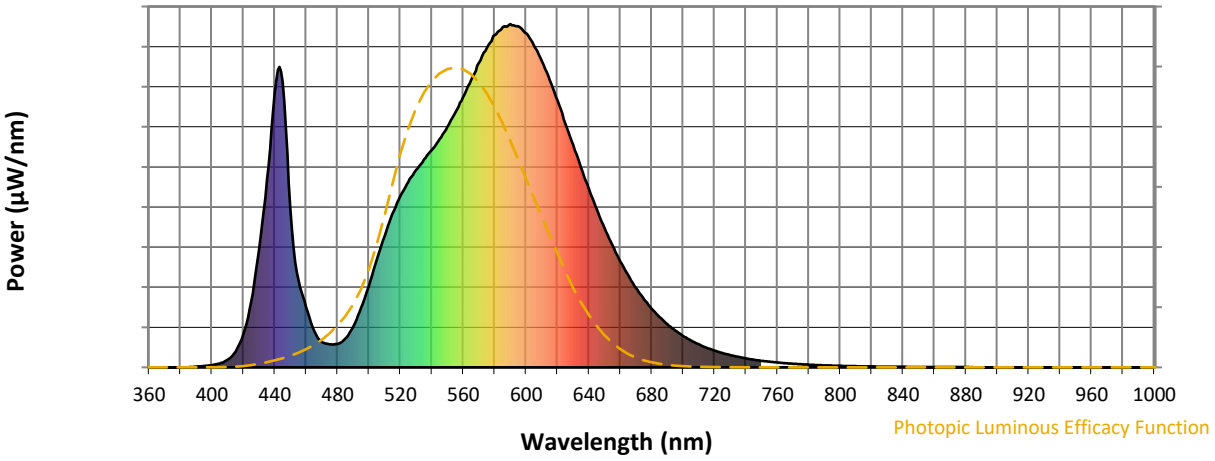


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

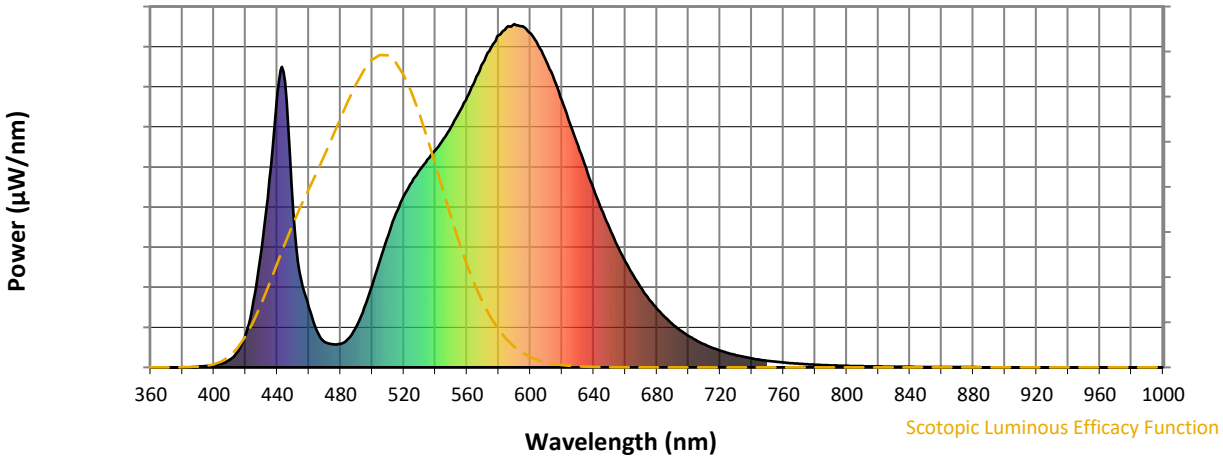


Photopic Lumens: NR

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

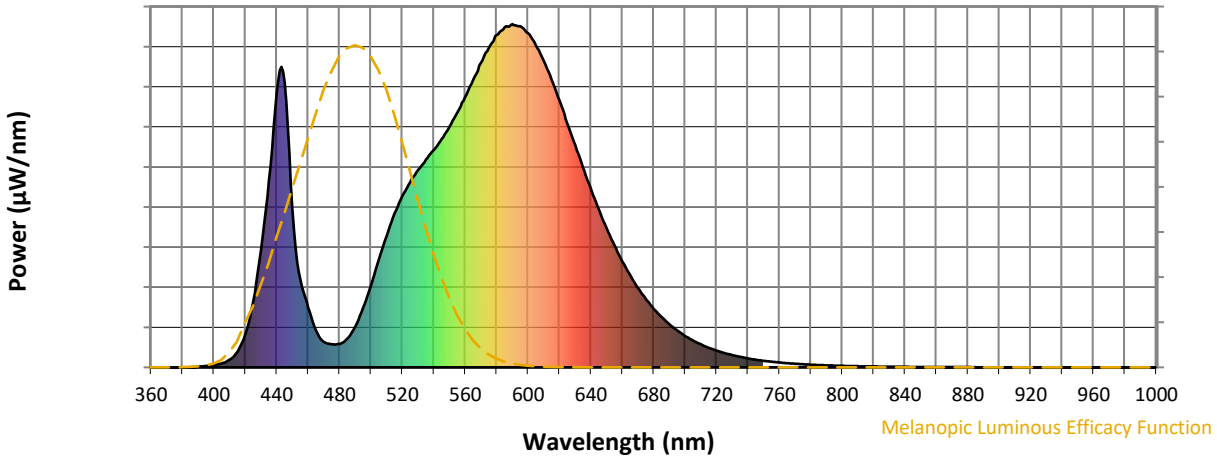


Scotopic Lumens: NR **S/P: 1.29**

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			

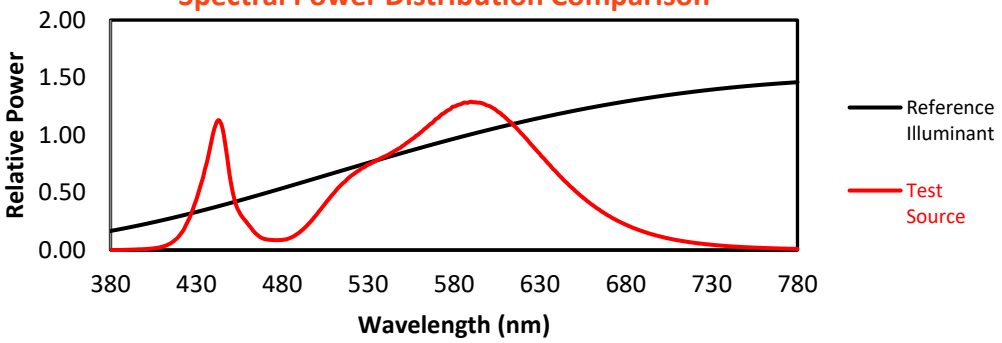
REPORT NUMBER: SP1-2407-184-5

TM-30-18

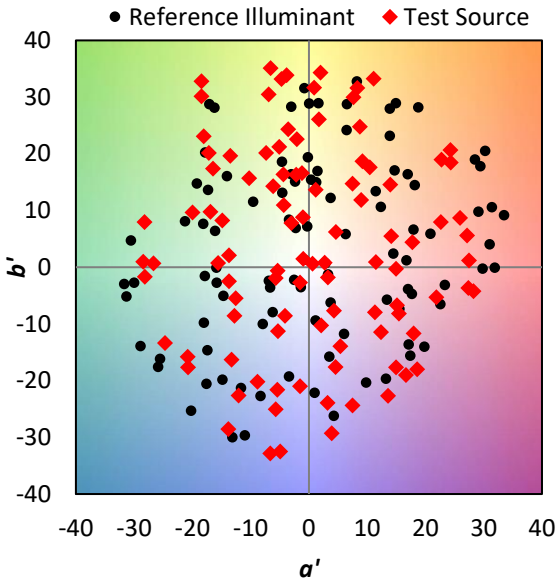
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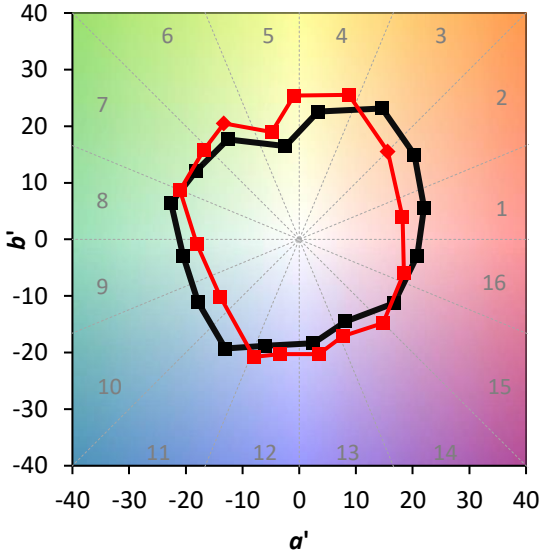
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

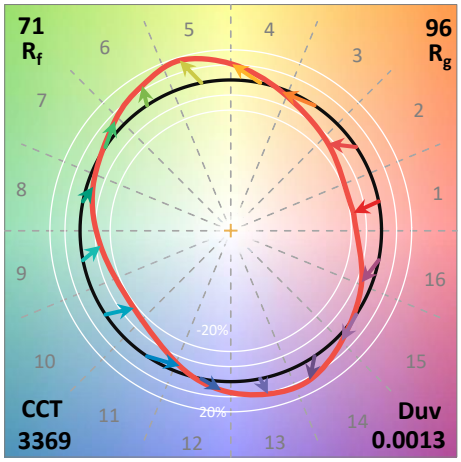
Spectral Power Distribution Comparison

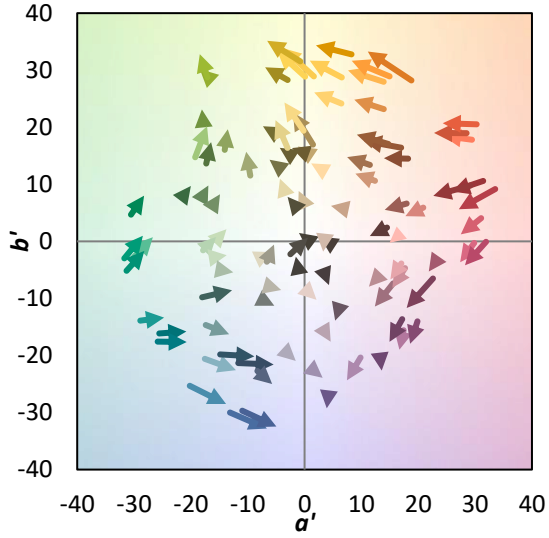


Color Vector Graphics







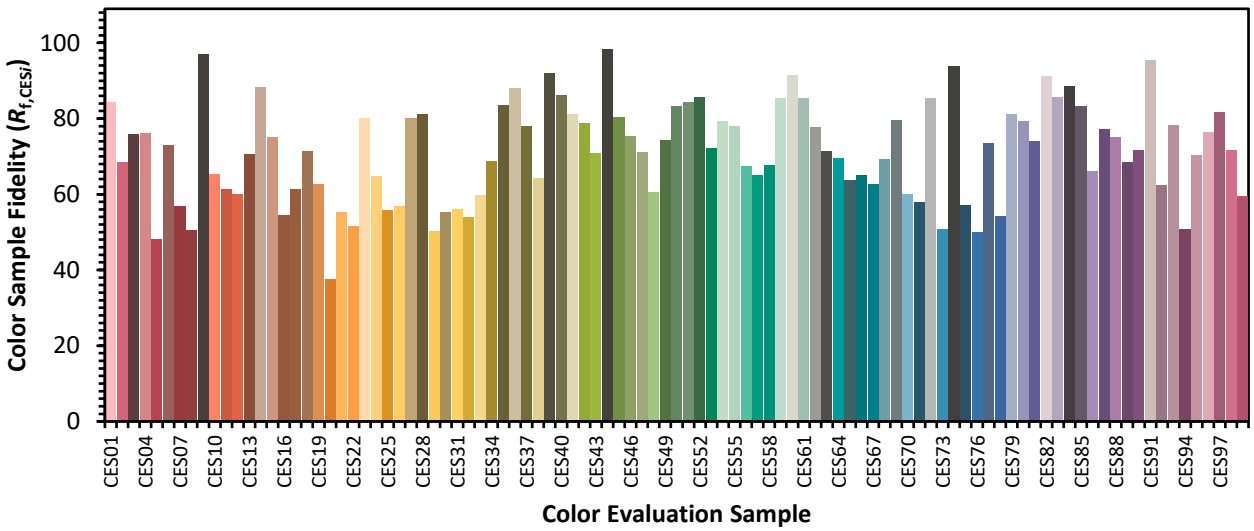


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Individual Sample Fidelity Index ($R_{f,i}$)

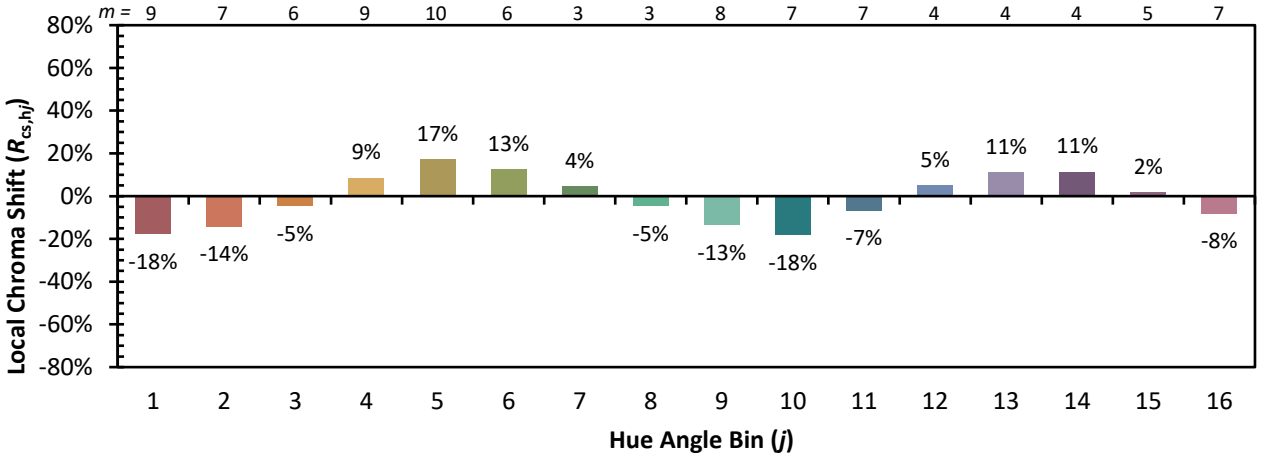
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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

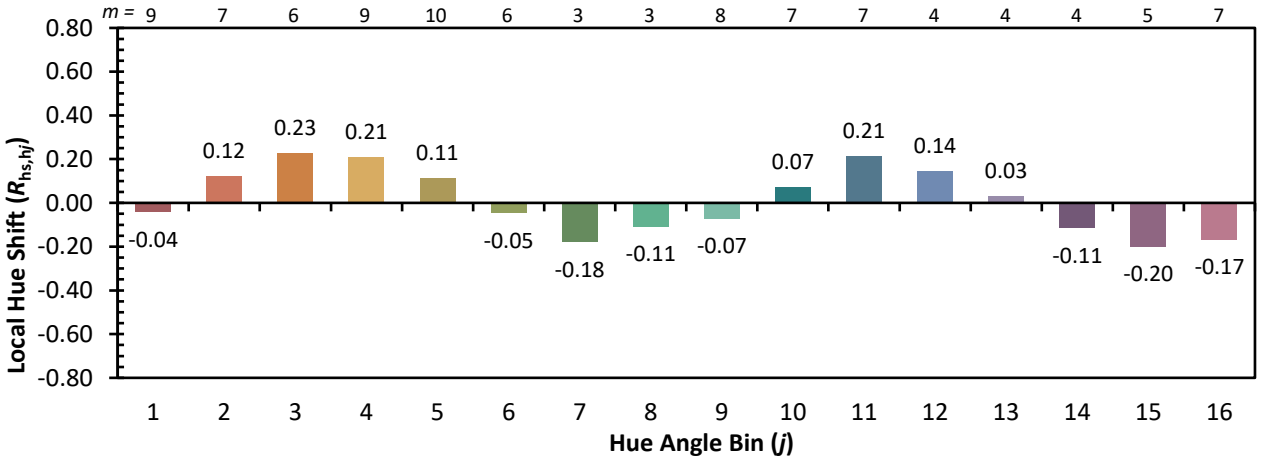


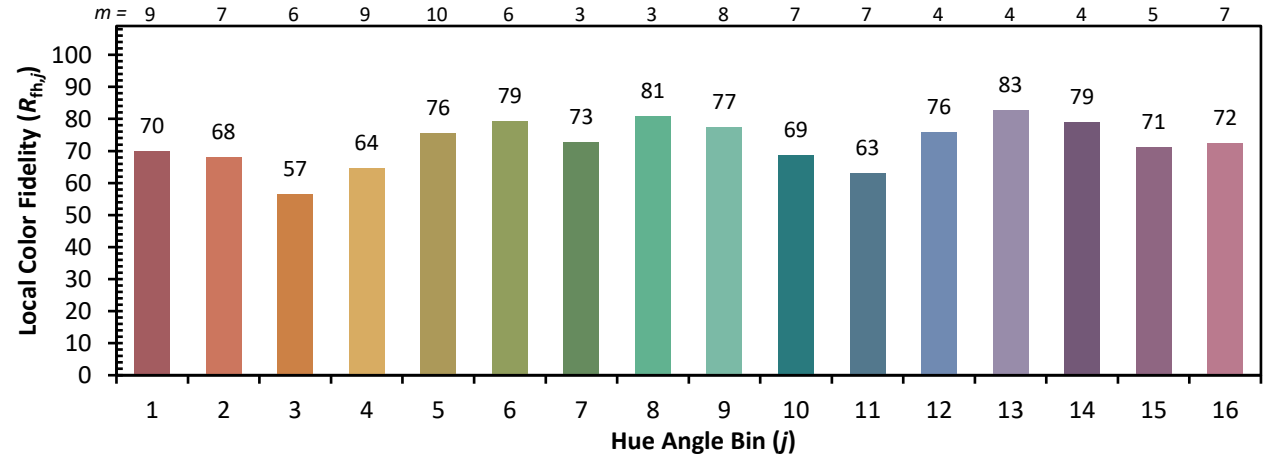
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Color Rendition by Hue-Angle Bin



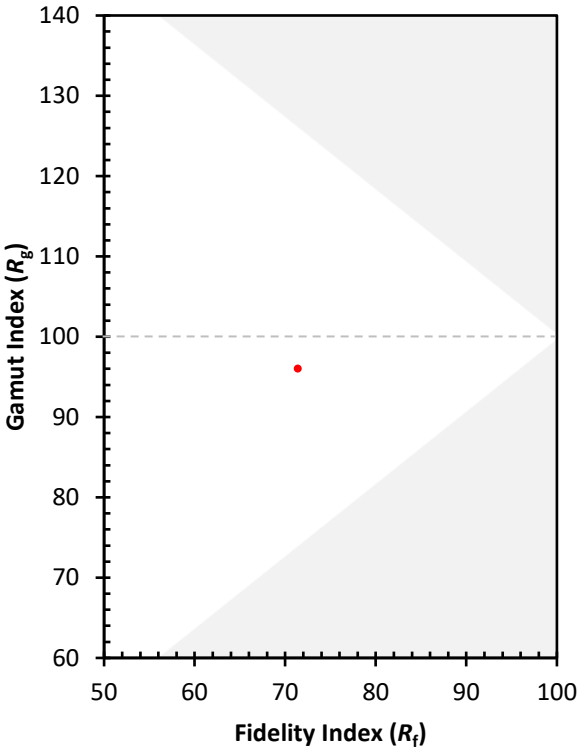


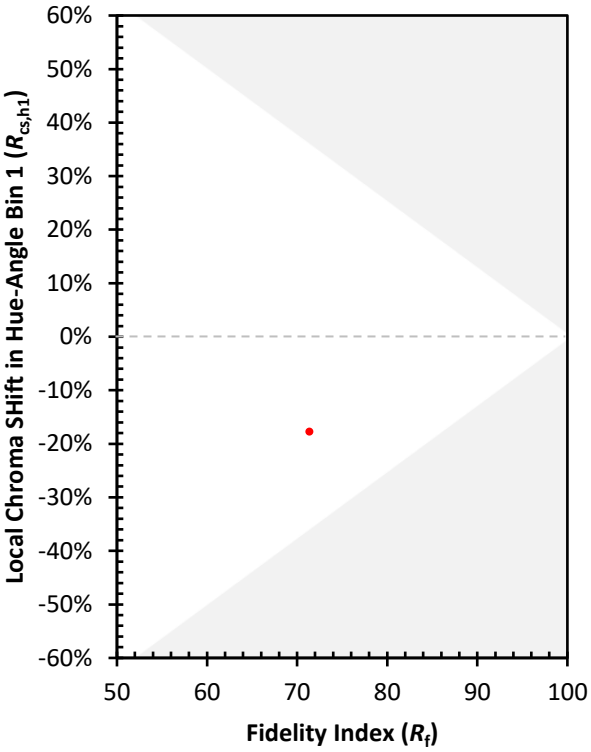


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Measure Comparisons





(END OF REPORT)