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: P1501516

Luminaire Tested: GSS-SB6D-827-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:	P1501516
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6D-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 362W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	44501.2 lumens
Efficiency:	N/A
Efficacy:	122.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

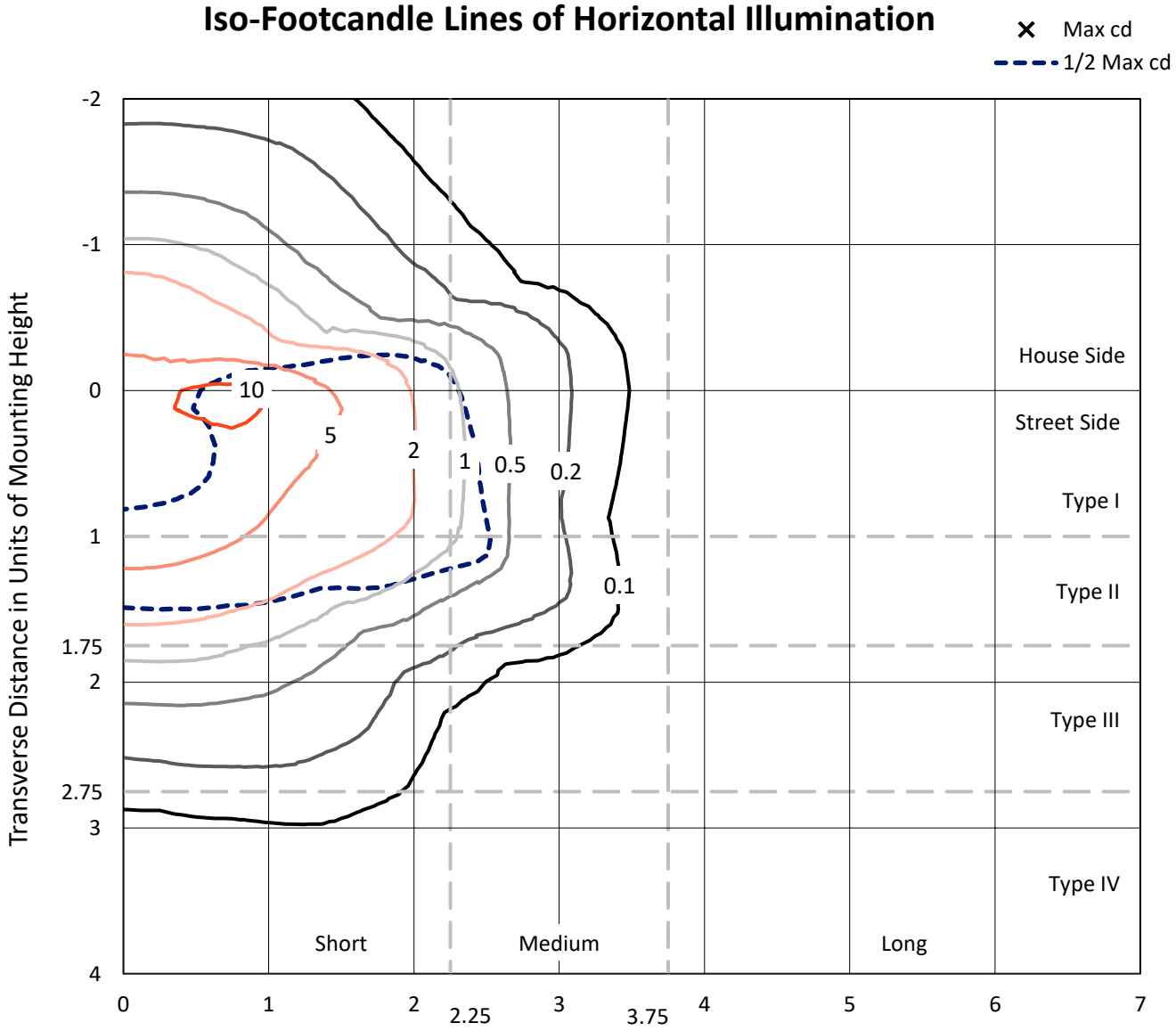
Input Watts (W):	362
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



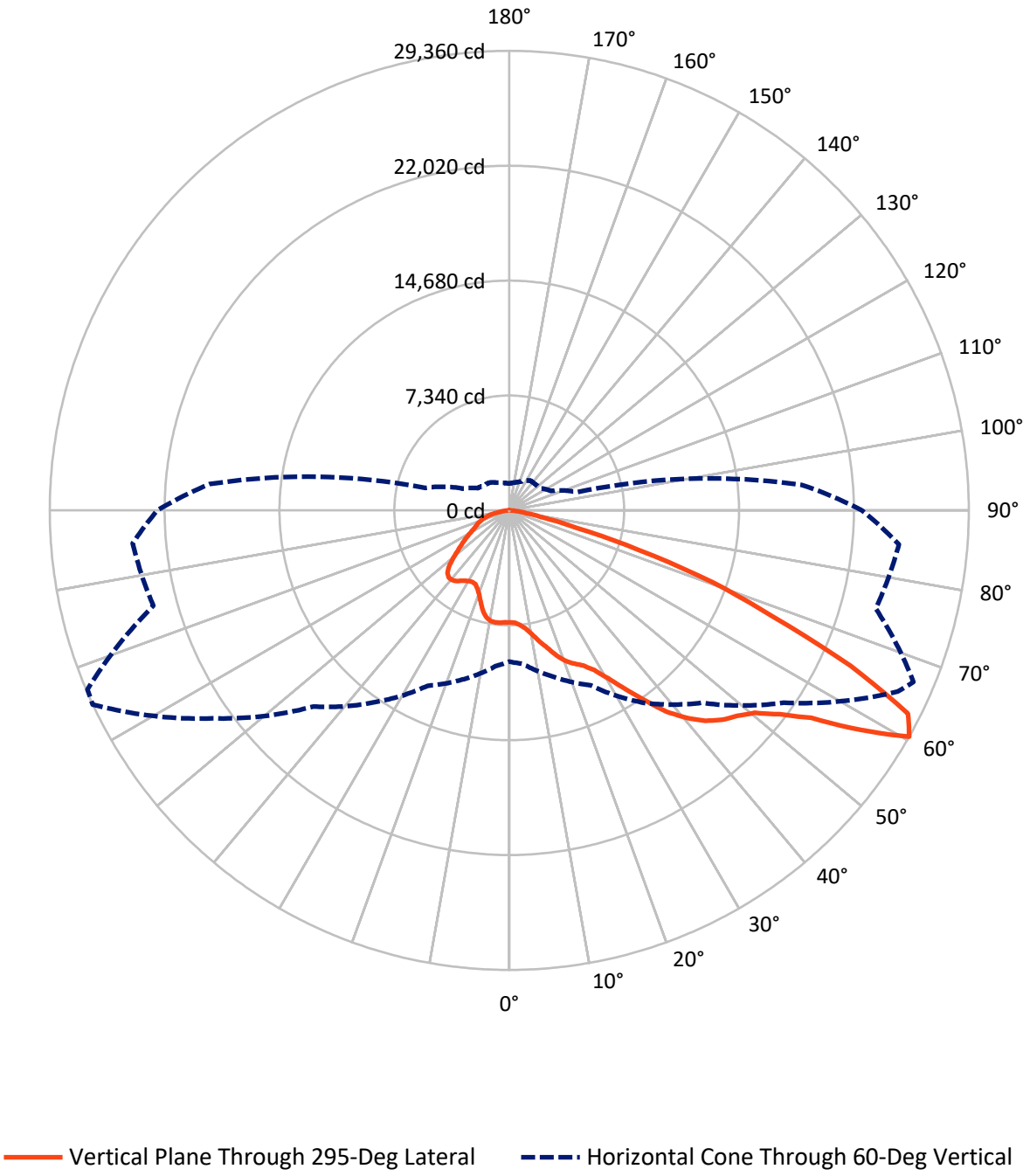
Based on 30 foot mounting height. Maximum calculated value = 12 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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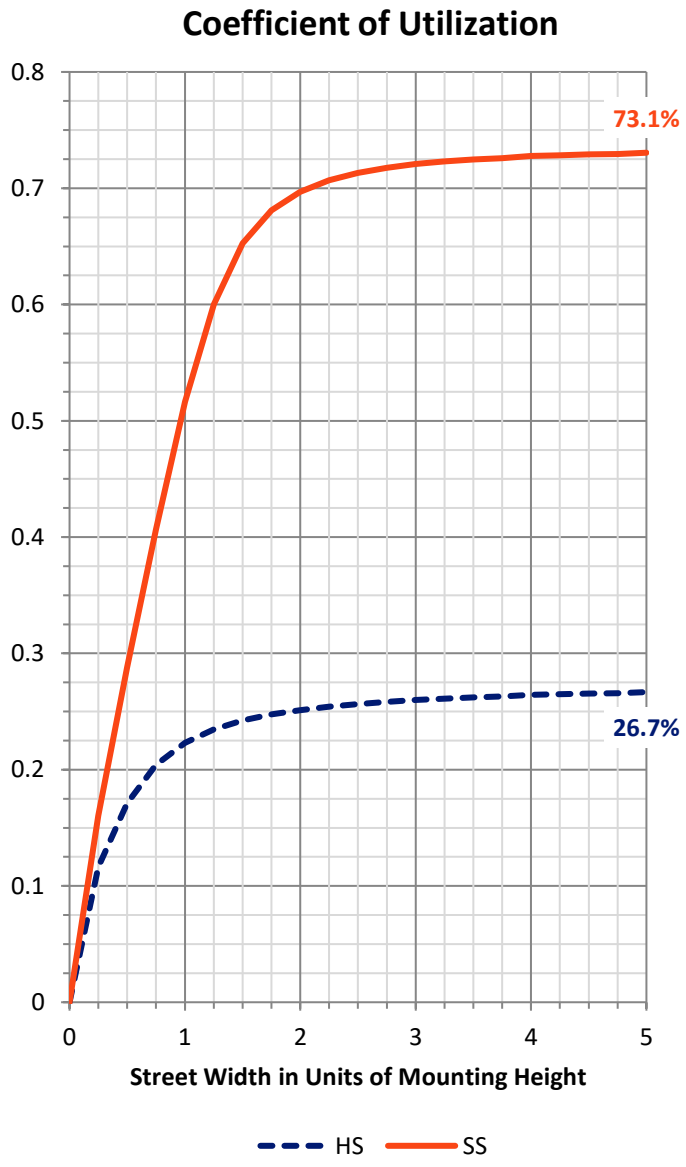
REPORT NUMBER: P1501516
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11966.9	0.0	11966.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	32534.3	0.0	32534.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	44501.2	0.0	44501.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.2	1.5
10°-20°	1935.3	4.3
20°-30°	3665.7	8.2
30°-40°	6462.5	14.5
40°-50°	9557.3	21.5
50°-60°	11222.9	25.2
60°-70°	8131.5	18.3
70°-80°	2507.7	5.6
80°-90°	345.2	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°	44501.2	100.0
0°-180°	44501.2	100.0



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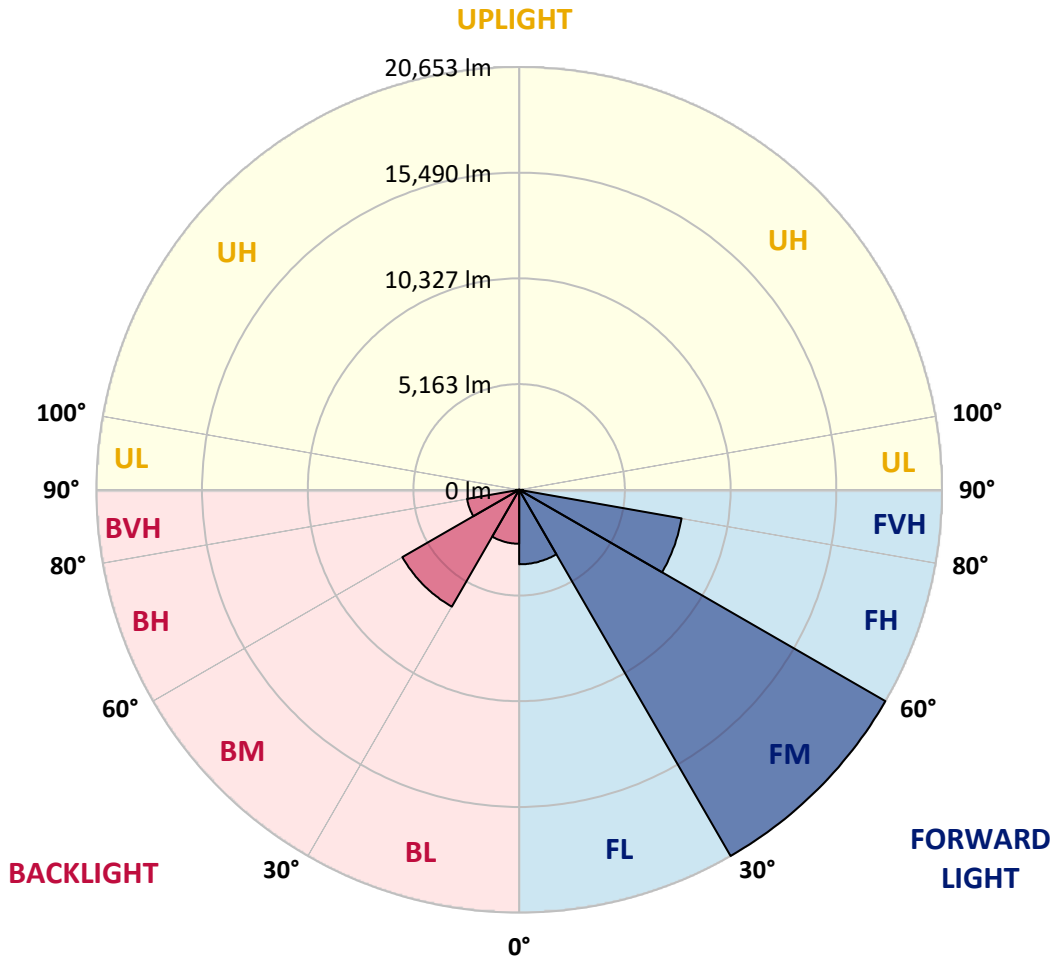
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3638.7	8.2			
FM	(30°-60°)	20653.3	46.4			
FH	(60°-80°)	8056.1	18.1			G4/12000
FVH	(80°-90°)	186.2	0.4			G2/225
BL	(0°-30°)	2635.5	5.9	B4/5000		
BM	(30°-60°)	6589.3	14.8	B4/8500		
BH	(60°-80°)	2583.1	5.8	B4/5000		G4/5000
BVH	(80°-90°)	159.0	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-G4
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0
2.5°	7302.0	7322.3	7291.9	7312.2	7312.2	7281.7	7271.6	7231.0	7251.3	7241.2	7231.0
5°	7474.4	7484.6	7464.3	7494.7	7494.7	7504.8	7494.7	7444.0	7444.0	7444.0	7423.7
7.5°	7423.7	7423.7	7433.9	7535.3	7636.7	7768.5	7768.5	7748.2	7768.5	7758.4	7667.1
10°	6997.8	7038.3	7129.6	7383.1	7626.5	7910.5	8103.2	8164.1	8164.1	8174.2	8022.1
12.5°	6237.1	6267.6	6480.5	6865.9	7373.0	7890.2	8356.7	8661.0	8691.4	8742.1	8539.3
15°	5557.6	5577.9	5730.1	6125.6	6703.7	7616.4	8498.7	9127.5	9228.9	9441.9	9137.7
17.5°	5618.5	5608.4	5648.9	5801.0	6216.9	7170.2	8468.3	9675.2	9857.7	10233.0	9969.3
20°	5983.6	5983.6	6014.0	6044.4	6196.6	6845.6	8245.2	10121.4	10476.4	11206.6	10902.3
22.5°	6561.7	6561.7	6551.5	6602.2	6602.2	6987.6	8255.3	10456.1	10983.4	12291.7	11997.6
25°	7362.9	7322.3	7322.3	7342.6	7251.3	7525.1	8508.9	10800.9	11490.5	13579.7	13326.2
27.5°	8265.5	8295.9	8275.6	8204.6	8082.9	8295.9	9117.4	11338.4	12058.5	14938.7	14837.3
30°	9249.2	9259.4	9279.6	9239.1	9137.7	9289.8	10070.7	12149.7	12808.9	16358.5	16581.7
32.5°	10212.7	10354.7	10304.0	10202.5	10243.1	10516.9	11247.1	13245.0	13924.5	17677.0	18468.0
35°	11439.8	11490.5	11693.4	11318.1	11328.3	11794.8	12748.1	14685.2	15344.4	19046.1	20354.4
37.5°	13224.8	13316.0	13224.8	12636.5	12545.3	13194.3	14208.5	16105.0	16581.7	20080.5	22108.9
40°	14979.3	15090.8	15243.0	14553.3	13975.2	14512.8	15587.8	17190.2	17687.1	20648.5	23275.2
42.5°	16429.5	16612.1	16449.8	16247.0	15719.6	15821.0	16551.2	18031.9	18528.9	21368.5	24451.6
45°	17656.7	17687.1	17758.1	17616.1	17352.4	17261.2	17372.7	18772.3	19319.9	21693.1	25029.7
47.5°	18163.8	18295.6	18356.5	18599.9	18873.7	18691.1	18072.5	19117.1	19614.0	21672.8	25212.2
50°	17889.9	18021.8	18346.3	18924.4	19583.6	19908.1	18894.0	19593.7	20151.5	22037.9	25587.5
52.5°	17169.9	17311.9	17839.2	18498.4	19603.9	20344.2	20050.1	20587.6	21125.1	22687.0	26216.3
55°	15425.5	15638.5	16378.8	17474.1	18995.4	20111.0	21267.1	22048.0	22636.2	23467.9	26865.3
57.5°	12890.1	13113.2	13944.8	15587.8	17869.7	19147.5	21622.1	24786.3	25050.0	24400.9	26926.2
60°	*9654.9*	*9837.4*	*11013.9*	*12332.3*	*15009.7*	*17382.9*	*21419.2*	*27382.6*	*28051.9*	*24238.6*	*24989.1*
62.5°	7646.8	7869.9	8914.5	9523.0	11439.8	14360.6	20709.3	28102.6	28680.7	22899.9	22291.4
65°	5973.5	6125.6	7099.2	7971.4	8437.9	9807.0	17748.0	24583.4	25100.7	20719.5	18397.0
67.5°	3945.1	4178.4	5334.5	6531.2	6774.6	6237.1	12210.6	18914.2	19157.6	16470.1	13833.3
70°	2829.5	2941.1	3803.1	5081.0	5446.1	4178.4	6652.9	14320.1	14391.1	11054.4	9320.2
72.5°	1926.9	1947.2	2586.1	3894.4	4340.6	3032.4	3661.1	9431.8	9188.4	5456.2	5334.5
75°	1308.3	1328.6	1653.1	2596.3	3072.9	2109.5	2383.3	5141.8	4939.0	3012.1	3235.2
77.5°	882.3	902.6	1135.9	1744.4	2048.6	1460.4	1744.4	2718.0	2667.3	1997.9	1734.2
80°	669.4	699.8	841.8	1115.6	1430.0	851.9	993.9	1288.0	1308.3	1064.9	882.3
82.5°	375.2	415.8	507.1	567.9	922.9	476.7	476.7	770.8	740.3	659.2	476.7
85°	162.3	172.4	202.8	213.0	375.2	202.8	172.4	334.7	344.8	324.5	152.1
87.5°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	40.6	40.6	40.6	40.6
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°	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0
2.5°	7180.3	7241.2	7180.3	7149.9	7149.9	7099.2	7078.9	7078.9	7007.9	7038.3	7018.0
5°	7342.6	7362.9	7291.9	7200.6	7078.9	6977.5	6835.5	6652.9	6541.4	6531.2	6541.4
7.5°	7596.1	7606.3	7413.6	7210.7	6906.5	6541.4	6105.3	5750.3	5435.9	5385.2	5446.1
10°	7951.1	7930.8	7646.8	7170.2	6531.2	5760.5	5091.1	4766.6	4584.0	4573.9	4563.8
12.5°	8427.7	8295.9	7859.8	6997.8	5882.2	4989.7	4644.9	4624.6	4675.3	4715.9	4726.0
15°	8975.4	8803.0	8032.2	6663.1	5223.0	4705.7	4726.0	4898.4	4959.3	4999.9	4999.9
17.5°	9654.9	9431.8	8224.9	6186.4	4888.3	4766.6	4908.6	5070.8	5172.3	5212.8	5202.7
20°	10557.5	10091.0	8377.0	5730.1	4797.0	4868.0	4989.7	5152.0	5253.4	5304.1	5304.1
22.5°	11460.1	10882.0	8407.5	5415.7	4797.0	4878.2	4989.7	5152.0	5263.5	5314.2	5304.1
25°	12687.2	11896.2	8417.6	5192.5	4807.2	4827.4	4928.9	5070.8	5233.1	5283.8	5304.1
27.5°	13995.5	13011.8	8468.3	5141.8	4766.6	4756.5	4827.4	4959.3	5121.6	5253.4	5263.5
30°	15618.2	14269.4	8488.6	5192.5	4776.7	4644.9	4695.6	4827.4	4999.9	5131.7	5172.3
32.5°	17210.4	15435.6	8448.0	5304.1	4797.0	4573.9	4584.0	4665.2	4847.7	4939.0	5010.0
35°	18894.0	16672.9	8377.0	5456.2	4807.2	4543.5	4452.2	4492.8	4614.5	4624.6	4655.0
37.5°	20212.4	17595.8	8164.1	5659.1	4827.4	4431.9	4249.4	4218.9	4168.2	4066.8	4087.1
40°	21297.5	18214.5	7809.1	5760.5	4776.7	4300.1	3995.8	3853.8	3661.1	3509.0	3539.4
42.5°	22078.5	18630.3	7383.1	5780.8	4695.6	4077.0	3701.7	3458.3	3245.3	3083.1	3093.2
45°	22423.3	18589.7	6926.8	5628.6	4502.9	3803.1	3427.9	3194.6	2961.4	2789.0	2768.7
47.5°	22433.4	18194.2	6298.0	5263.5	4178.4	3488.7	3174.3	2920.8	2728.1	2606.4	2596.3
50°	22514.5	17971.1	5709.8	4736.2	3752.4	3154.1	2951.2	2697.7	2586.1	2413.7	2363.0
52.5°	23021.6	18336.2	5304.1	4158.1	3356.9	2910.7	2758.5	2535.4	2352.9	2241.3	2231.2
55°	23843.1	18965.0	5081.0	3722.0	2981.7	2677.4	2576.0	2383.3	2221.0	2109.5	2079.0
57.5°	23944.5	19289.5	4817.3	3316.3	2677.4	2494.9	2454.3	2241.3	2008.1	1926.9	1896.5
60°	*22524.7*	*18741.8*	*4492.8*	*2941.1*	*2454.3*	*2352.9*	*2332.6*	*2048.6*	*1855.9*	*1754.5*	*1713.9*
62.5°	20587.6	17372.7	3995.8	2596.3	2281.9	2210.9	2129.8	1906.6	1663.2	1551.7	1521.3
65°	16825.1	14604.0	3397.5	2363.0	2109.5	2028.3	2008.1	1703.8	1541.5	1480.7	1470.5
67.5°	12748.1	11733.9	2991.8	2190.6	1926.9	1896.5	1825.5	1724.1	1653.1	1582.1	1561.8
70°	9016.0	8468.3	2545.6	1967.5	1744.4	1693.7	1987.8	1876.2	1622.7	1531.4	1521.3
72.5°	5466.4	5314.2	2200.7	1764.7	1501.0	1582.1	1835.6	1693.7	1460.4	1348.8	1308.3
75°	3448.2	3154.1	1845.8	1501.0	1196.7	1288.0	1602.4	1511.1	1257.6	1146.0	1115.6
77.5°	1876.2	1744.4	1389.4	1227.1	943.2	1044.6	1399.6	1247.4	1004.0	1095.3	973.6
80°	821.5	912.8	922.9	709.9	628.8	770.8	1004.0	973.6	770.8	780.9	649.1
82.5°	395.5	517.2	598.4	486.8	355.0	456.4	669.4	557.8	517.2	486.8	466.5
85°	121.7	192.7	263.7	233.3	162.3	192.7	314.4	304.3	365.1	314.4	294.1
87.5°	40.6	40.6	30.4	30.4	30.4	40.6	50.7	30.4	10.1	10.1	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°	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0
2.5°	7007.9	7018.0	7018.0	7028.2	7028.2	7058.6	7099.2	7139.7	7109.3	7149.9	7160.0
5°	6521.1	6571.8	6612.4	6764.5	6886.2	6987.6	7099.2	7200.6	7231.0	7251.3	7302.0
7.5°	5375.1	5517.1	5780.8	6125.6	6511.0	6886.2	7139.7	7403.4	7444.0	7494.7	7565.7
10°	4573.9	4634.8	4817.3	5172.3	5861.9	6602.2	7220.9	7636.7	7809.1	7910.5	7981.5
12.5°	4705.7	4665.2	4634.8	4685.5	5131.7	6085.0	7170.2	7971.4	8295.9	8407.5	8498.7
15°	5020.1	4979.6	4868.0	4726.0	4776.7	5537.4	6997.8	8285.8	8803.0	8985.5	9178.2
17.5°	5202.7	5162.1	5070.8	4918.7	4786.9	5081.0	6673.2	8569.7	9604.2	9827.3	10101.1
20°	5304.1	5263.5	5172.3	5020.1	4868.0	4908.6	6257.4	8924.7	10516.9	10871.9	11277.6
22.5°	5324.4	5273.7	5172.3	5020.1	4928.9	4898.4	5861.9	9137.7	11500.7	12048.3	12514.8
25°	5314.2	5223.0	5091.1	4979.6	4928.9	4918.7	5588.1	9259.4	12565.5	13437.7	13965.1
27.5°	5243.3	5131.7	4999.9	4918.7	4898.4	4959.3	5466.4	9401.3	13813.0	14928.6	15770.3
30°	5162.1	4999.9	4837.6	4807.2	4857.9	5050.6	5567.8	9452.1	15121.3	16551.2	17413.3
32.5°	4949.1	4827.4	4665.2	4655.0	4776.7	5121.6	5801.0	9381.1	16277.4	18173.9	19259.1
35°	4644.9	4573.9	4482.6	4513.1	4705.7	5182.4	5963.3	9157.9	17332.1	19685.0	20952.7
37.5°	4107.4	4158.1	4208.8	4279.8	4523.2	5172.3	6034.3	8803.0	18204.3	20891.9	22514.5
40°	3509.0	3681.4	3843.7	4026.2	4350.8	5091.1	6054.6	8366.9	18711.4	21804.6	23904.0
42.5°	3133.8	3296.0	3498.9	3762.6	4117.5	4908.6	6034.3	7880.1	18873.7	22433.4	24786.3
45°	2789.0	2981.7	3235.2	3509.0	3914.7	4644.9	5851.8	7352.7	18954.8	22727.5	25161.5
47.5°	2606.4	2718.0	2951.2	3225.1	3651.0	4320.4	5496.8	6967.3	18833.1	22788.4	25617.9
50°	2393.4	2545.6	2697.7	2961.4	3377.2	3914.7	5070.8	6744.2	19035.9	23386.7	26338.0
52.5°	2231.2	2312.3	2474.6	2718.0	3022.2	3539.4	4665.2	6561.7	19593.7	23995.2	27088.4
55°	2109.5	2200.7	2302.2	2505.0	2738.3	3164.2	4249.4	6287.8	20242.8	24644.3	27838.9
57.5°	1916.8	1977.6	2119.6	2332.6	2484.7	2799.1	3762.6	5963.3	20192.1	24137.2	26540.8
60°	*1744.4*	*1805.2*	*1957.3*	*2170.3*	*2261.6*	*2474.6*	*3285.9*	*5547.5*	*19218.5*	*22484.1*	*24147.4*
62.5°	1551.7	1622.7	1805.2	1957.3	2038.5	2200.7	2789.0	4786.9	17190.2	19999.4	21348.2
65°	1470.5	1511.1	1632.8	1815.4	1805.2	1957.3	2352.9	3762.6	13833.3	15283.5	16510.7
67.5°	1561.8	1622.7	1602.4	1653.1	1622.7	1703.8	2109.5	3022.2	10871.9	11510.8	12220.7
70°	1541.5	1683.5	1754.5	1653.1	1419.8	1511.1	1825.5	2413.7	7778.7	7717.8	7687.4
72.5°	1348.8	1490.8	1693.7	1795.1	1389.4	1257.6	1582.1	2089.2	4989.7	4969.4	4492.8
75°	1146.0	1247.4	1490.8	1622.7	1196.7	1014.2	1359.0	1774.8	2981.7	3022.2	2697.7
77.5°	1054.7	1004.0	1247.4	1430.0	973.6	780.9	1095.3	1338.7	1643.0	1663.2	1541.5
80°	760.6	730.2	933.0	1044.6	740.3	557.8	618.6	831.6	882.3	791.1	821.5
82.5°	486.8	496.9	557.8	669.4	456.4	304.3	426.0	557.8	476.7	385.4	456.4
85°	314.4	355.0	294.1	344.8	142.0	142.0	182.6	243.4	162.3	111.6	121.7
87.5°	0.0	0.0	20.3	40.6	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: P1501516
CATALOG NUMBER: GSS-SB6D-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	7160.0	7160.0	*7160.0*	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0
2.5°	7190.5	7180.3	*7180.3*	7200.6	7251.3	7271.6	7302.0	7291.9	7322.3	7302.0
5°	7332.4	7342.6	*7373.0*	7383.1	7413.6	7454.1	7464.3	7454.1	7474.4	7474.4
7.5°	7616.4	7657.0	*7636.7*	7687.4	7646.8	7596.1	7515.0	7454.1	7403.4	7423.7
10°	8093.1	8072.8	*8062.6*	7971.4	7788.8	7525.1	7312.2	7078.9	7038.3	6997.8
12.5°	8620.4	8600.2	*8600.2*	8285.8	7768.5	7220.9	6734.1	6369.0	6247.3	6237.1
15°	9360.8	9228.9	*9107.2*	8448.0	7413.6	6480.5	5912.6	5628.6	5557.6	5557.6
17.5°	10283.7	9938.9	*9736.0*	8326.3	6835.5	5993.7	5659.1	5588.1	5567.8	5618.5
20°	11429.7	10557.5	*10263.4*	8052.5	6622.5	6054.6	5892.3	5902.5	5912.6	5983.6
22.5°	12687.2	11125.4	*10638.6*	8052.5	6835.5	6440.0	6358.8	6470.4	6500.8	6561.7
25°	14086.8	11632.5	*10973.3*	8478.4	7464.3	7170.2	7068.8	7180.3	7261.4	7362.9
27.5°	15658.8	12159.9	*11551.4*	9249.2	8275.6	8093.1	7981.5	8032.2	8143.8	8265.5
30°	17068.5	13042.2	*12433.7*	10425.7	9381.1	9157.9	8965.3	9046.4	9168.1	9249.2
32.5°	18315.9	14117.2	*13600.0*	11662.9	10648.8	10263.4	10050.4	10030.1	10273.5	10212.7
35°	19461.9	15384.9	*14888.0*	13072.6	11936.8	11460.1	11176.1	11541.2	11379.0	11439.8
37.5°	20364.5	16703.4	*16307.8*	14421.5	13275.5	12626.4	12454.0	12900.2	13153.8	13224.8
40°	21104.8	17849.4	*17433.6*	15760.2	14502.6	14026.0	14299.8	15040.1	15009.7	14979.3
42.5°	21672.8	18833.1	*18376.7*	16774.3	15679.0	15770.3	15983.3	16480.2	16601.9	16429.5
45°	21926.3	19451.8	*19086.7*	17575.5	17017.7	17545.1	17636.4	17849.4	17768.2	17656.7
47.5°	22220.4	19999.4	*19614.0*	18305.7	18468.0	18985.2	18802.7	18630.3	18336.2	18163.8
50°	22717.4	20648.5	*20323.9*	19370.6	19958.8	19786.4	19076.5	18691.1	18092.8	17889.9
52.5°	23660.6	21875.6	*21632.2*	21054.1	20658.6	19664.7	18802.7	18113.1	17443.7	17169.9
55°	24502.3	23538.9	*23396.9*	22626.1	20445.6	19025.8	17869.7	16804.8	15658.8	15425.5
57.5°	24989.1	26297.4	*26459.7*	23295.5	19472.0	17575.5	15871.7	14167.9	13082.8	12890.1
60°	*23538.9*	*29279.0*	*29360.2*	*23163.6*	*17717.5*	*14959.0*	*12362.7*	*11155.9*	*9989.6*	*9654.9*
62.5°	21540.9	28660.4	*28589.4*	22372.6	14107.1	10912.5	9391.2	8823.3	7920.7	7646.8
65°	18518.7	23873.5	*23954.7*	19330.1	9381.1	7890.2	7890.2	7170.2	6166.1	5973.5
67.5°	15090.8	18407.2	*18224.6*	12535.1	5760.5	6318.3	6622.5	5588.1	4178.4	3945.1
70°	9807.0	14056.4	*13802.8*	7231.0	3620.6	5263.5	5212.8	4198.7	2991.8	2829.5
72.5°	4218.9	8123.5	*8640.7*	3691.6	2728.1	4239.2	4158.1	2941.1	1997.9	1926.9
75°	2545.6	4087.1	*4452.2*	2352.9	1987.8	3194.6	2880.2	1866.1	1359.0	1308.3
77.5°	1612.5	2241.3	*2221.0*	1764.7	1490.8	2160.2	1937.1	1288.0	922.9	882.3
80°	933.0	1105.4	*1146.0*	1105.4	1004.0	1541.5	1237.3	933.0	720.1	669.4
82.5°	598.4	689.6	*699.8*	537.5	557.8	993.9	669.4	547.7	415.8	375.2
85°	263.7	294.1	*284.0*	182.6	182.6	405.7	233.3	223.1	162.3	162.3
87.5°	10.1	20.3	*10.1*	10.1	10.1	40.6	20.3	30.4	30.4	30.4
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

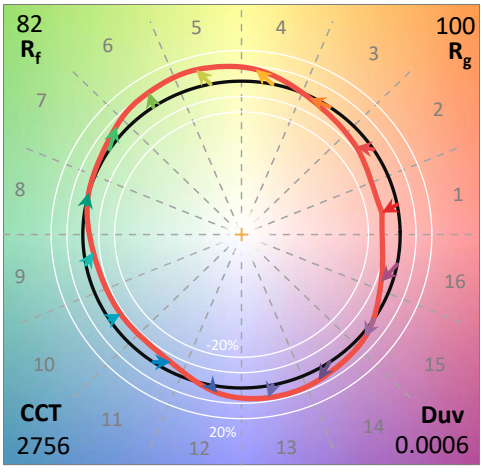
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

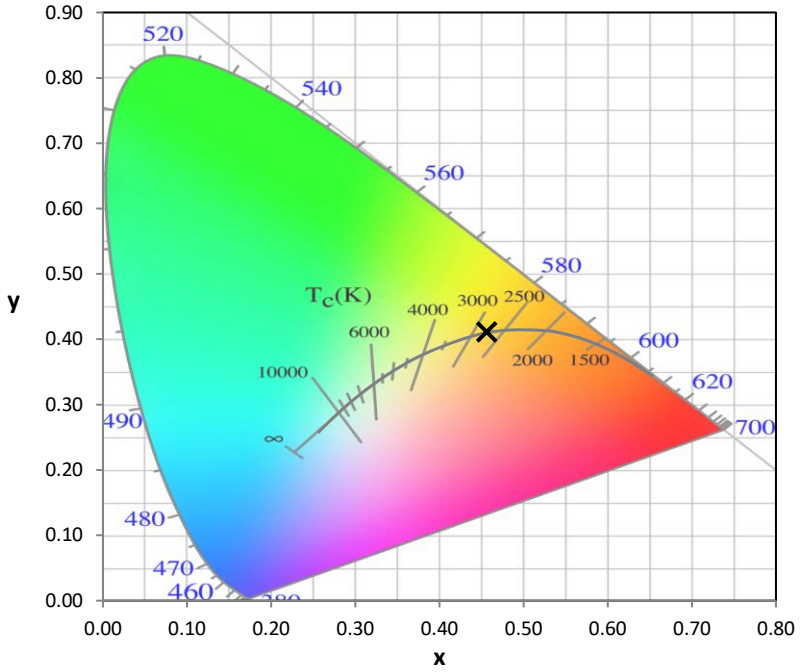
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

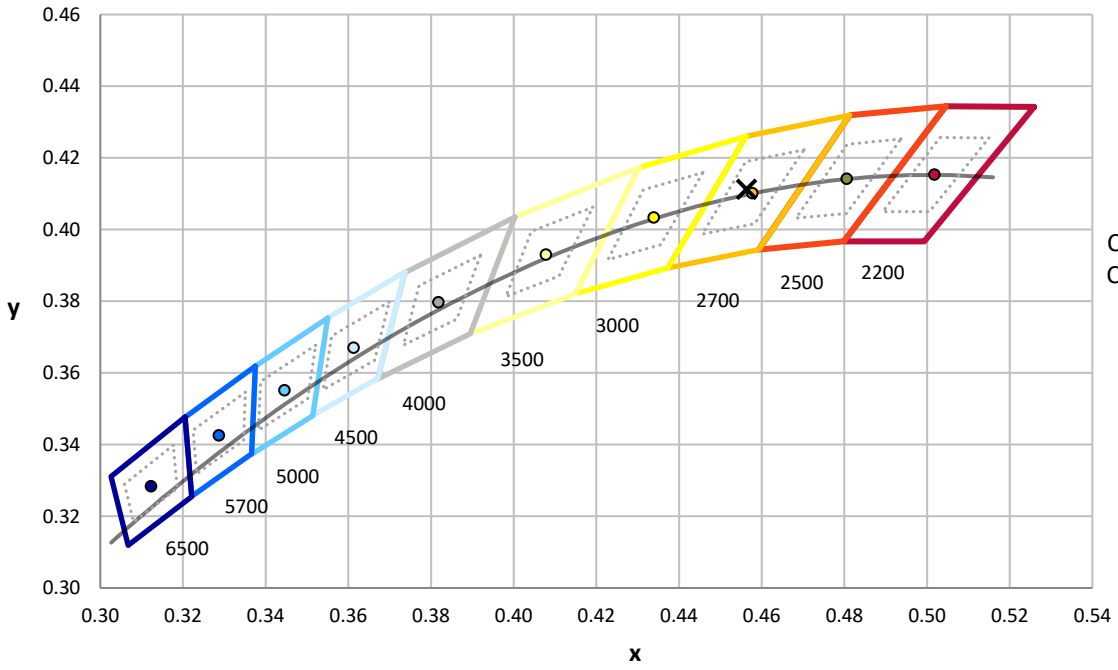
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

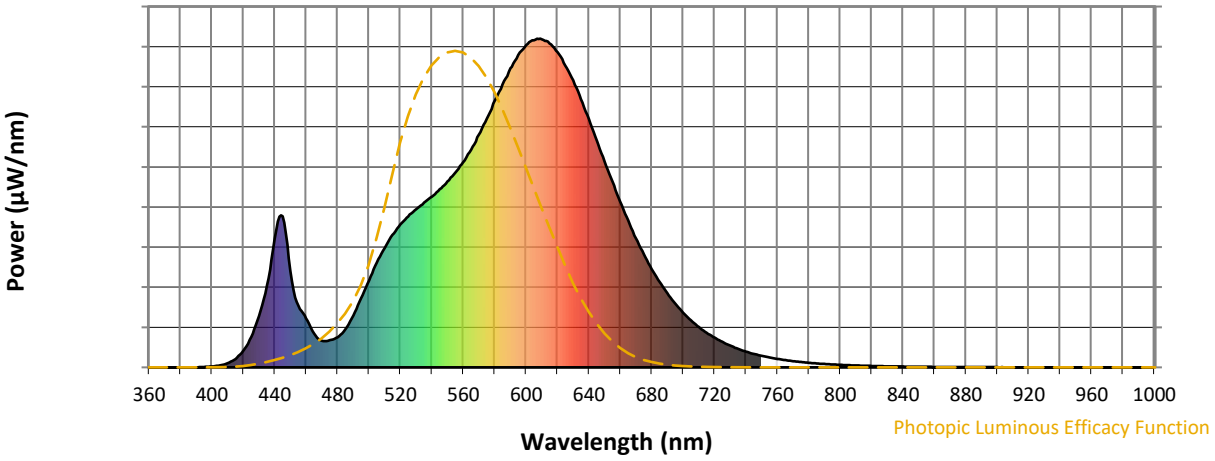


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

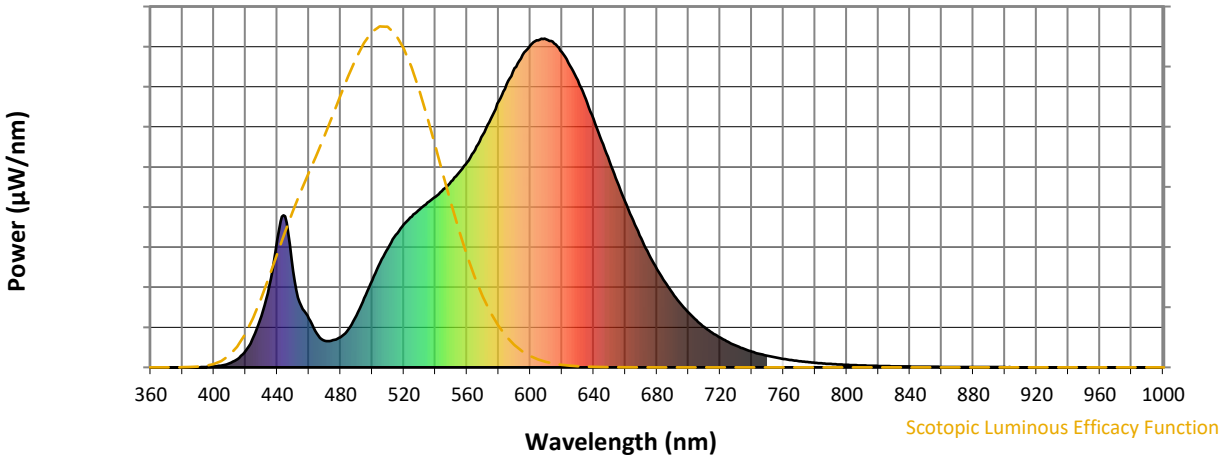


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

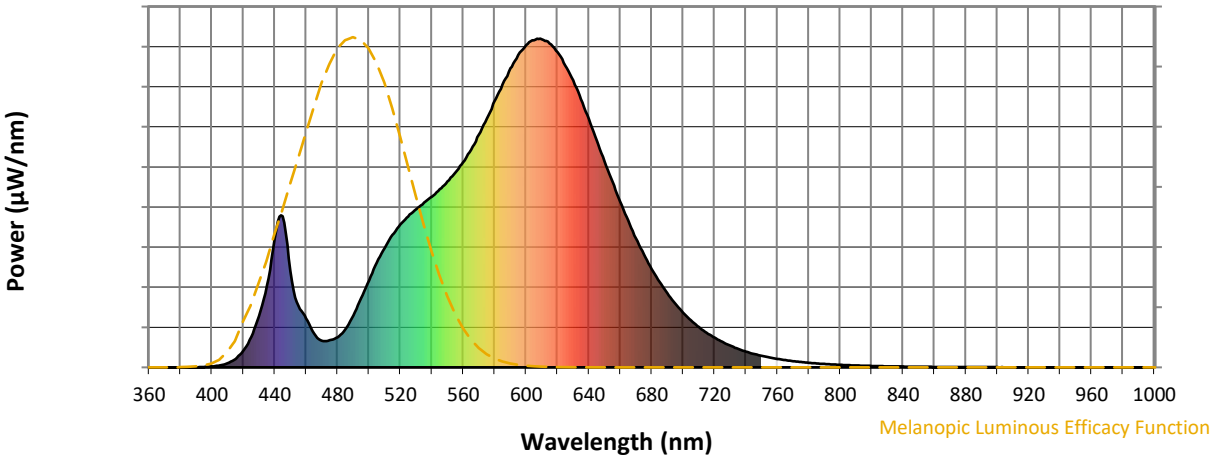


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

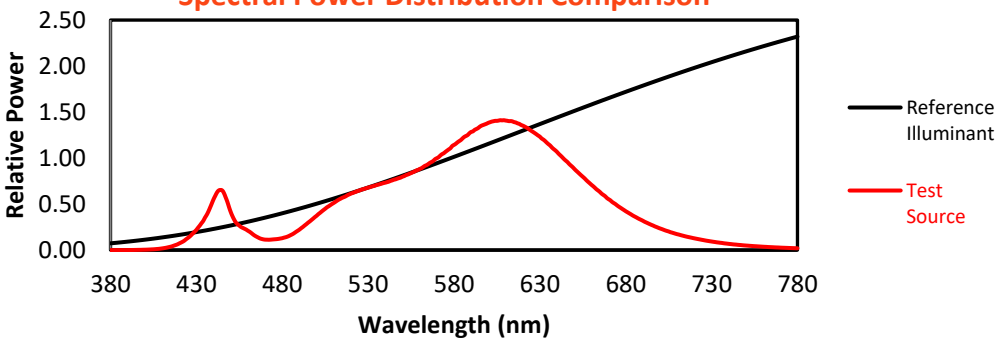
REPORT NUMBER: SP1-2407-184-8

TM-30-18

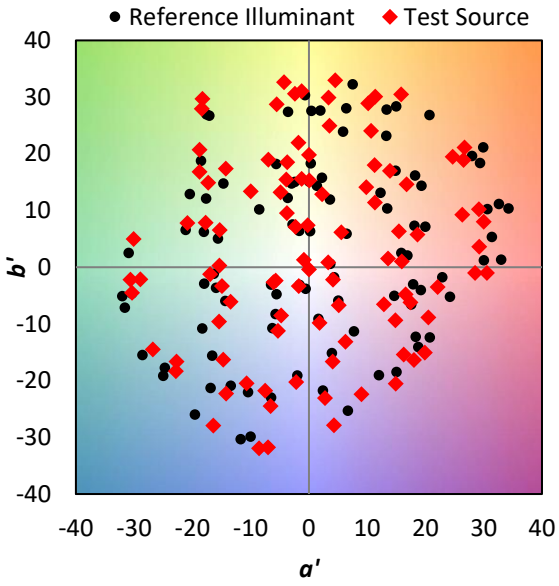
Summary

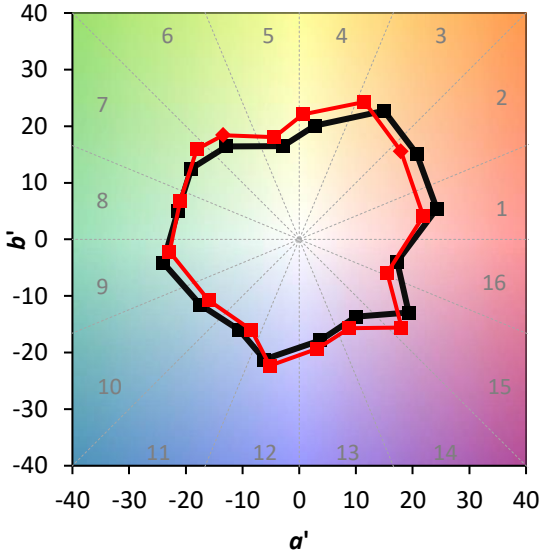
R_f = 82.2
R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

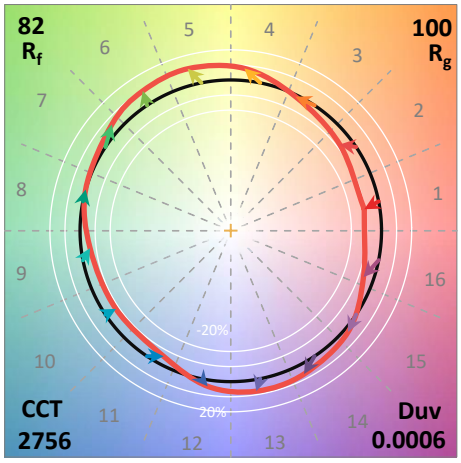
Spectral Power Distribution Comparison

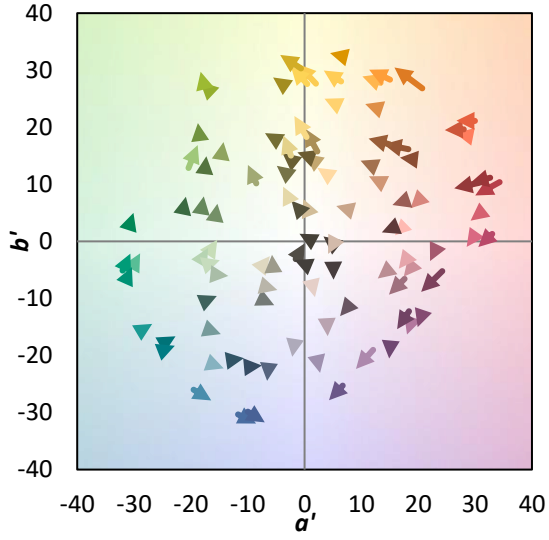


Color Vector Graphics







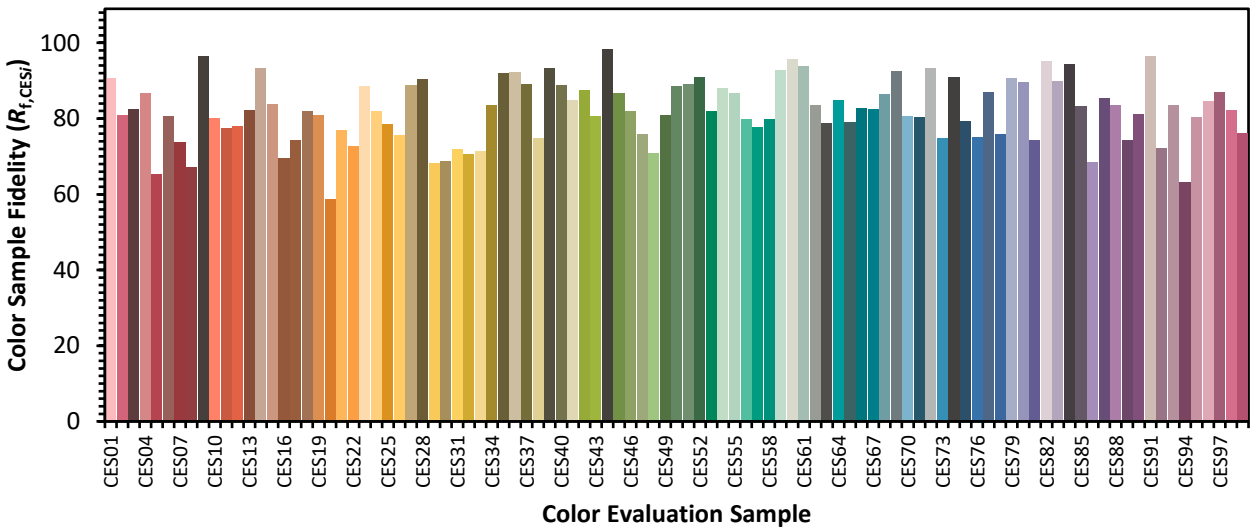


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Individual Sample Fidelity Index ($R_{f,i}$)

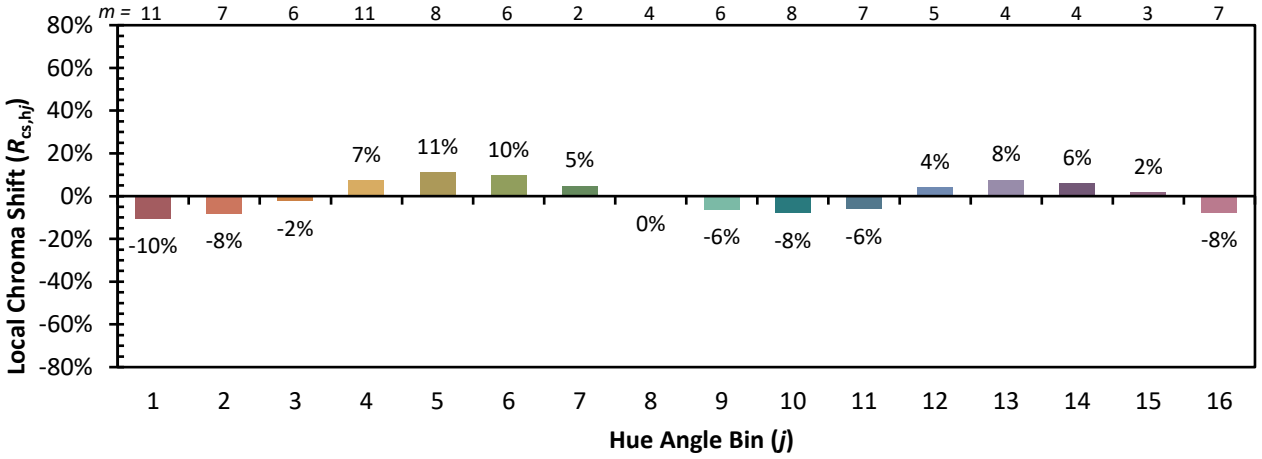
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

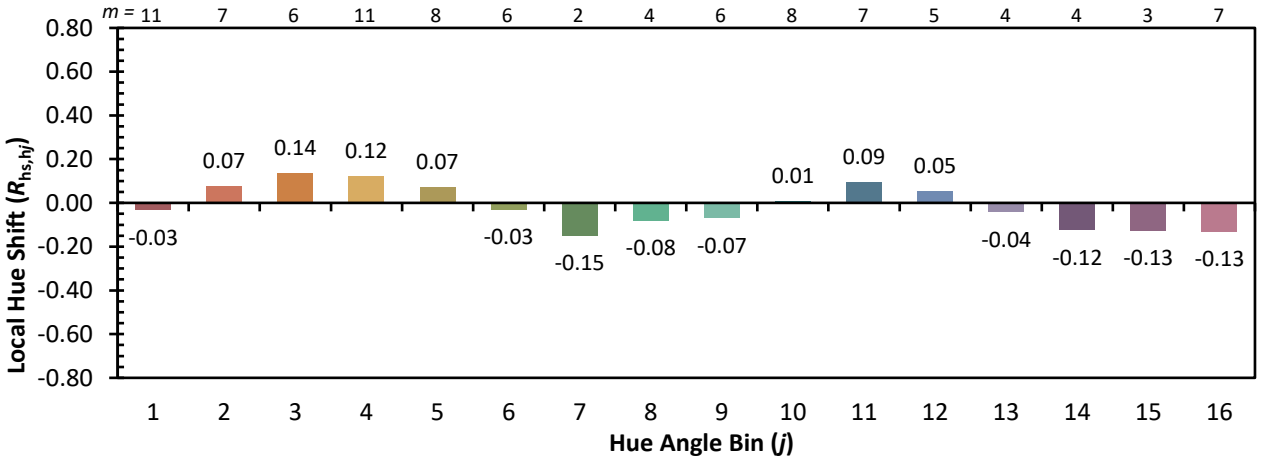


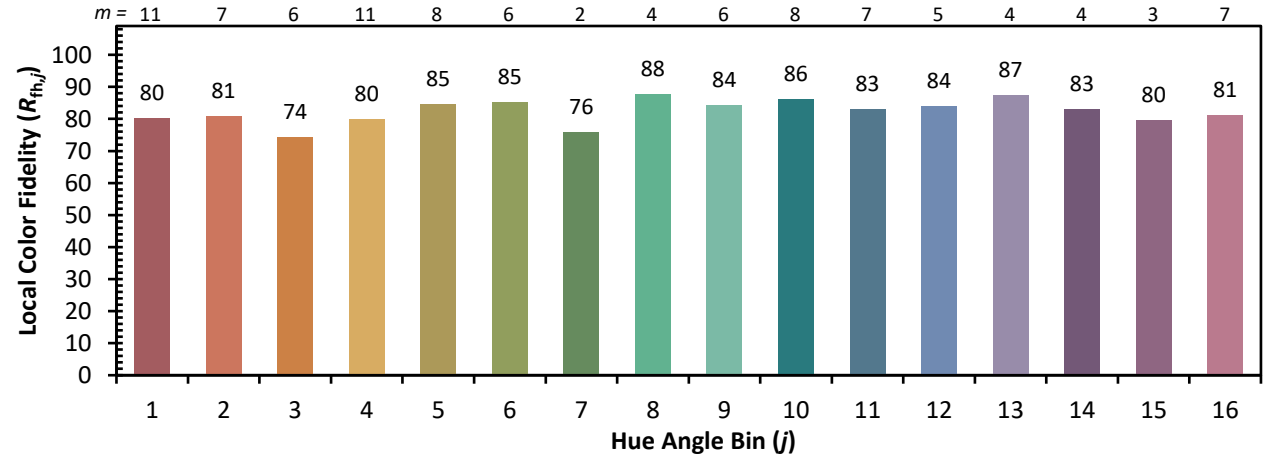
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Color Rendition by Hue-Angle Bin



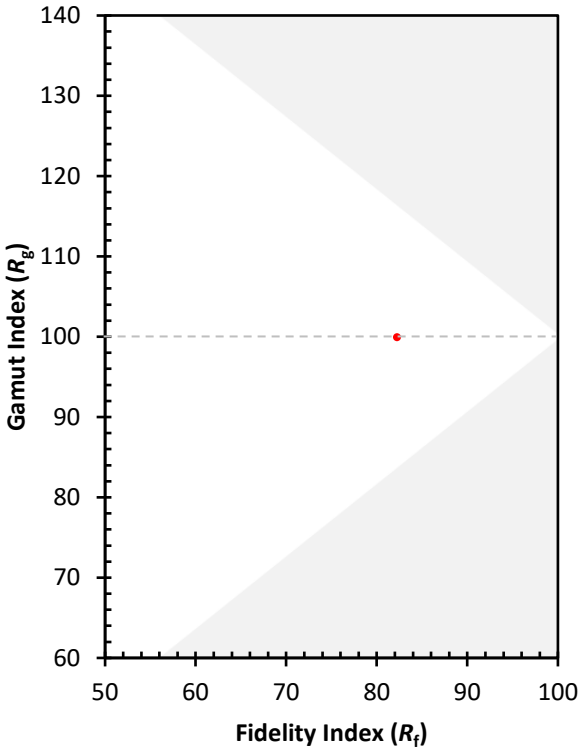


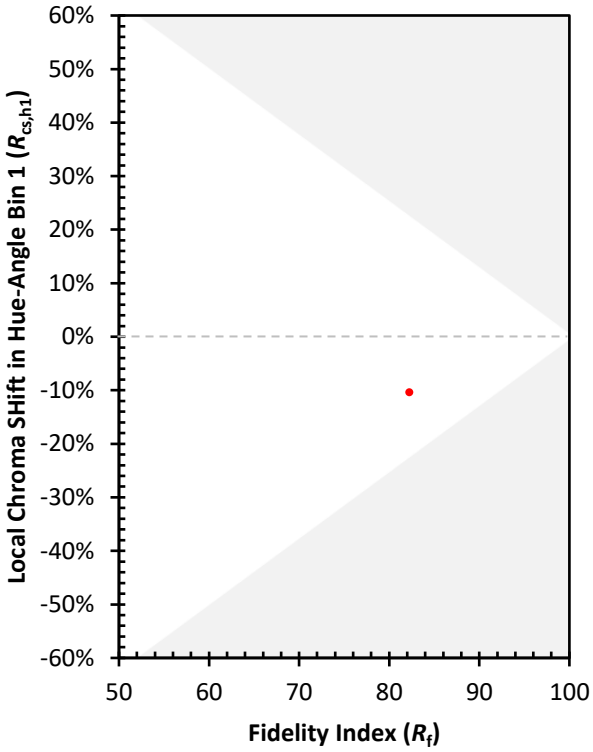


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Measure Comparisons





(END OF REPORT)