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: P1501564

Luminaire Tested: GSS-SB6D-835-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:	P1501564
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6D-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 362W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	47478.7 lumens
Efficiency:	N/A
Efficacy:	131.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

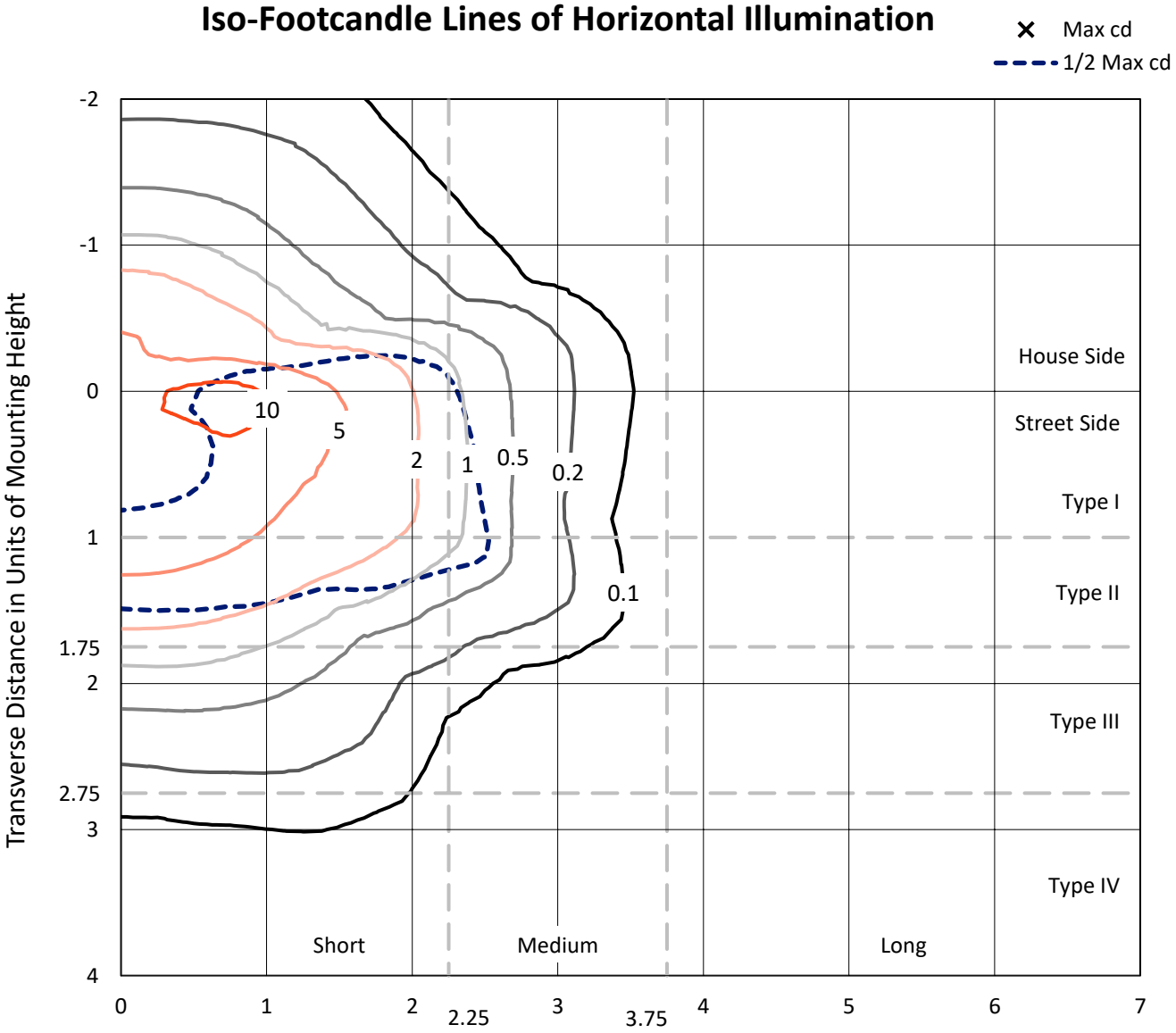
Input Watts (W):	362
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



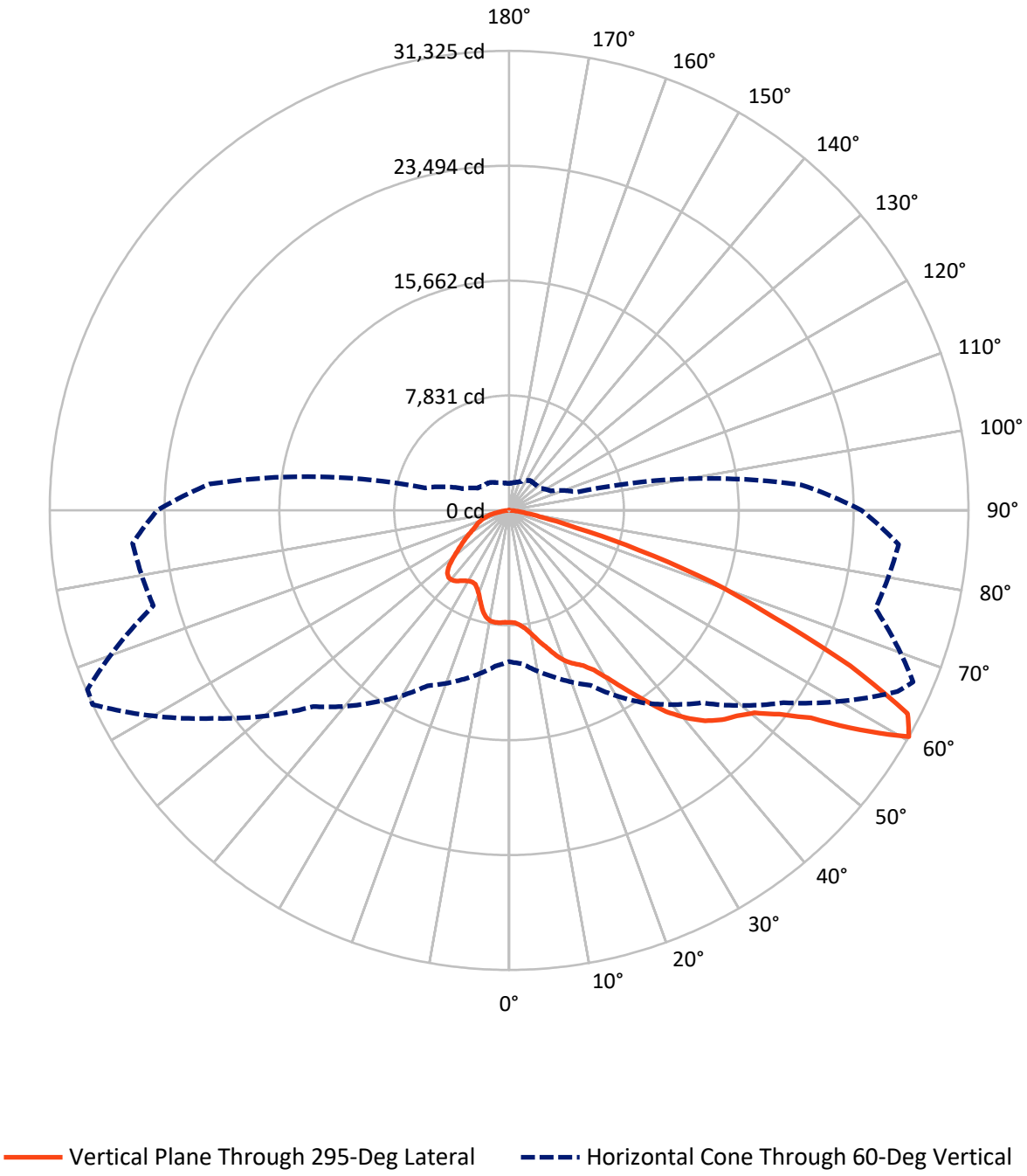
Based on 30 foot mounting height. Maximum calculated value = 12.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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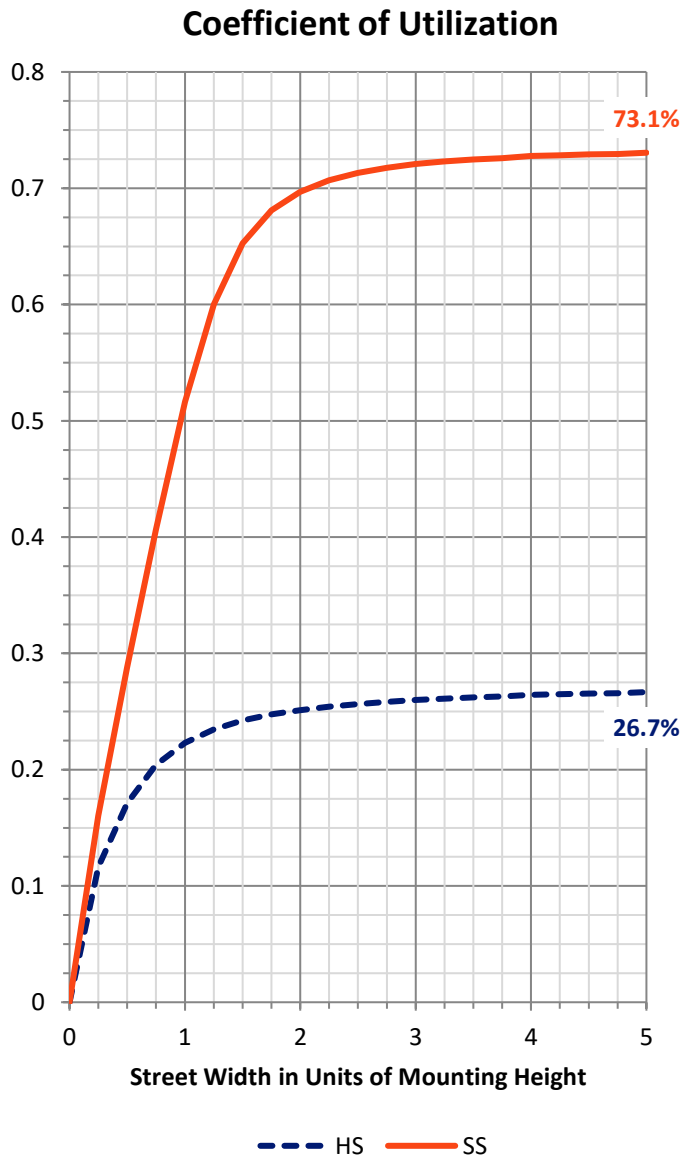
REPORT NUMBER: P1501564
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12767.6	0.0	12767.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	34711.1	0.0	34711.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	47478.7	0.0	47478.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.3	1.5
10°-20°	2064.7	4.3
20°-30°	3911.0	8.2
30°-40°	6894.9	14.5
40°-50°	10196.8	21.5
50°-60°	11973.8	25.2
60°-70°	8675.5	18.3
70°-80°	2675.5	5.6
80°-90°	368.3	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°	47478.7	100.0
0°-180°	47478.7	100.0



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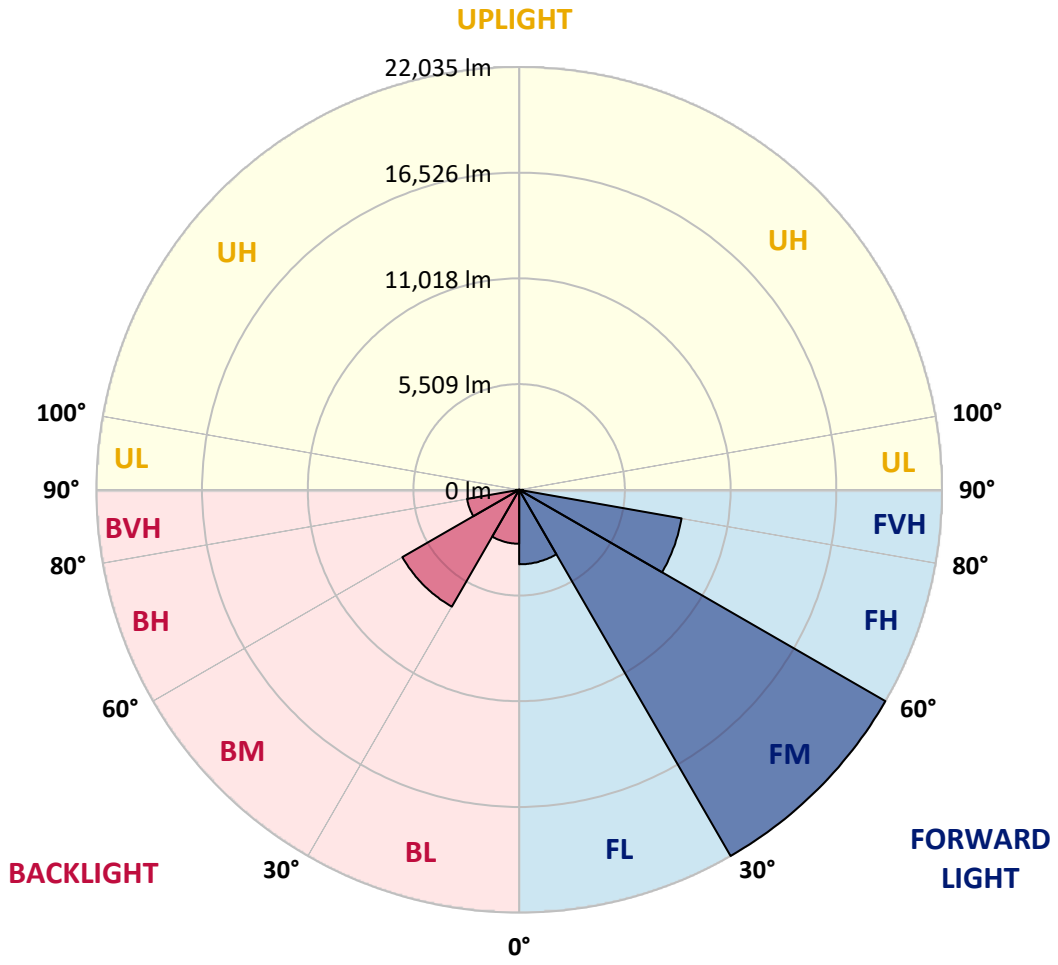
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3882.2	8.2			
FM	(30°-60°)	22035.2	46.4			
FH	(60°-80°)	8595.1	18.1			G4/12000
FVH	(80°-90°)	198.7	0.4			G2/225
BL	(0°-30°)	2811.9	5.9	B4/5000		
BM	(30°-60°)	7030.2	14.8	B4/8500		
BH	(60°-80°)	2755.9	5.8	B4/5000		G4/5000
BVH	(80°-90°)	169.6	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°	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1
2.5°	7790.6	7812.2	7779.8	7801.4	7801.4	7769.0	7758.1	7714.8	7736.5	7725.7	7714.8
5°	7974.5	7985.4	7963.7	7996.2	7996.2	8007.0	7996.2	7942.1	7942.1	7942.1	7920.4
7.5°	7920.4	7920.4	7931.3	8039.5	8147.7	8288.3	8288.3	8266.7	8288.3	8277.5	8180.1
10°	7466.0	7509.3	7606.6	7877.2	8136.8	8439.8	8645.4	8710.3	8710.3	8721.1	8558.8
12.5°	6654.5	6686.9	6914.2	7325.3	7866.3	8418.2	8915.9	9240.5	9273.0	9327.1	9110.7
15°	5929.5	5951.1	6113.5	6535.4	7152.2	8126.0	9067.4	9738.2	9846.4	10073.7	9749.1
17.5°	5994.4	5983.6	6026.9	6189.2	6632.8	7649.9	9034.9	10322.5	10517.3	10917.6	10636.3
20°	6384.0	6384.0	6416.4	6448.9	6611.2	7303.7	8796.9	10798.6	11177.3	11956.4	11631.8
22.5°	7000.7	7000.7	6989.9	7044.0	7044.0	7455.2	8807.7	11155.7	11718.3	13114.2	12800.4
25°	7855.5	7812.2	7812.2	7833.9	7736.5	8028.6	9078.2	11523.6	12259.4	14488.3	14217.8
27.5°	8818.5	8851.0	8829.3	8753.6	8623.8	8851.0	9727.4	12097.1	12865.3	15938.3	15830.0
30°	9868.1	9878.9	9900.5	9857.3	9749.1	9911.4	10744.5	12962.7	13666.0	17453.1	17691.1
32.5°	10896.0	11047.5	10993.4	10885.2	10928.5	11220.6	11999.7	14131.3	14856.2	18859.7	19703.7
35°	12205.3	12259.4	12475.8	12075.4	12086.2	12584.0	13601.1	15667.7	16371.1	20320.5	21716.3
37.5°	14109.6	14207.0	14109.6	13482.1	13384.7	14077.2	15159.2	17182.6	17691.1	21424.1	23588.2
40°	15981.5	16100.6	16262.9	15527.1	14910.3	15483.8	16630.7	18340.4	18870.5	22030.1	24832.5
42.5°	17528.8	17723.6	17550.5	17334.1	16771.4	16879.6	17658.7	19238.4	19768.6	22798.3	26087.7
45°	18838.1	18870.5	18946.3	18794.8	18513.5	18416.1	18535.1	20028.3	20612.6	23144.5	26704.4
47.5°	19379.1	19519.8	19584.7	19844.4	20136.5	19941.8	19281.7	20396.2	20926.4	23122.9	26899.2
50°	19086.9	19227.6	19573.9	20190.6	20893.9	21240.2	20158.2	20904.8	21499.9	23512.4	27299.5
52.5°	18318.7	18470.2	19032.8	19736.2	20915.6	21705.5	21391.7	21965.1	22538.6	24204.9	27970.4
55°	16457.6	16684.9	17474.7	18643.3	20266.4	21456.6	22690.1	23523.3	24150.8	25038.1	28662.9
57.5°	13752.6	13990.6	14877.9	16630.7	19065.3	20428.7	23068.8	26444.7	26726.1	26033.6	28727.8
60°	*10300.9*	*10495.7*	*11750.8*	*13157.4*	*16014.0*	*18545.9*	*22852.4*	*29214.7*	*29928.9*	*25860.4*	*26661.1*
62.5°	8158.5	8396.5	9511.0	10160.2	12205.3	15321.5	22095.0	29983.0	30599.7	24432.2	23782.9
65°	6373.1	6535.4	7574.2	8504.7	9002.5	10463.2	18935.5	26228.3	26780.2	22105.8	19628.0
67.5°	4209.1	4457.9	5691.5	6968.3	7227.9	6654.5	13027.6	20179.8	20439.5	17572.1	14758.8
70°	3018.9	3137.9	4057.6	5421.0	5810.5	4457.9	7098.1	15278.2	15354.0	11794.1	9943.8
72.5°	2055.9	2077.5	2759.2	4155.0	4631.1	3235.3	3906.1	10062.8	9803.2	5821.3	5691.5
75°	1395.8	1417.5	1763.7	2770.0	3278.5	2250.6	2542.8	5485.9	5269.5	3213.6	3451.7
77.5°	941.4	963.0	1211.9	1861.1	2185.7	1558.1	1861.1	2899.8	2845.7	2131.6	1850.3
80°	714.1	746.6	898.1	1190.2	1525.7	908.9	1060.4	1374.2	1395.8	1136.1	941.4
82.5°	400.3	443.6	541.0	605.9	984.6	508.6	508.6	822.3	789.9	703.3	508.6
85°	173.1	183.9	216.4	227.2	400.3	216.4	183.9	357.1	367.9	346.2	162.3
87.5°	32.5	32.5	32.5	32.5	32.5	32.5	32.5	43.3	43.3	43.3	43.3
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°	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1
2.5°	7660.7	7725.7	7660.7	7628.3	7628.3	7574.2	7552.5	7552.5	7476.8	7509.3	7487.6
5°	7833.9	7855.5	7779.8	7682.4	7552.5	7444.3	7292.9	7098.1	6979.1	6968.3	6979.1
7.5°	8104.4	8115.2	7909.6	7693.2	7368.6	6979.1	6513.8	6135.1	5799.7	5745.6	5810.5
10°	8483.1	8461.4	8158.5	7649.9	6968.3	6145.9	5431.8	5085.5	4890.8	4879.9	4869.1
12.5°	8991.6	8851.0	8385.7	7466.0	6275.8	5323.6	4955.7	4934.0	4988.1	5031.4	5042.2
15°	9575.9	9392.0	8569.7	7108.9	5572.4	5020.6	5042.2	5226.2	5291.1	5334.4	5334.4
17.5°	10300.9	10062.8	8775.2	6600.4	5215.4	5085.5	5237.0	5410.1	5518.3	5561.6	5550.8
20°	11263.9	10766.2	8937.5	6113.5	5118.0	5193.7	5323.6	5496.7	5604.9	5659.0	5659.0
22.5°	12226.9	11610.1	8970.0	5778.0	5118.0	5204.5	5323.6	5496.7	5615.7	5669.8	5659.0
25°	13536.2	12692.2	8980.8	5540.0	5128.8	5150.4	5258.6	5410.1	5583.3	5637.4	5659.0
27.5°	14932.0	13882.4	9034.9	5485.9	5085.5	5074.7	5150.4	5291.1	5464.2	5604.9	5615.7
30°	16663.2	15224.1	9056.6	5540.0	5096.3	4955.7	5009.8	5150.4	5334.4	5475.1	5518.3
32.5°	18362.0	16468.4	9013.3	5659.0	5118.0	4879.9	4890.8	4977.3	5172.1	5269.5	5345.2
35°	20158.2	17788.5	8937.5	5821.3	5128.8	4847.5	4750.1	4793.4	4923.2	4934.0	4966.5
37.5°	21564.8	18773.2	8710.3	6037.7	5150.4	4728.5	4533.7	4501.2	4447.1	4338.9	4360.6
40°	22722.6	19433.2	8331.6	6145.9	5096.3	4587.8	4263.2	4111.7	3906.1	3743.8	3776.3
42.5°	23555.7	19876.8	7877.2	6167.6	5009.8	4349.7	3949.4	3689.7	3462.5	3289.4	3300.2
45°	23923.6	19833.5	7390.2	6005.2	4804.2	4057.6	3657.3	3408.4	3159.5	2975.6	2953.9
47.5°	23934.4	19411.6	6719.4	5615.7	4457.9	3722.2	3386.7	3116.2	2910.7	2780.8	2770.0
50°	24021.0	19173.5	6091.8	5053.1	4003.5	3365.1	3148.7	2878.2	2759.2	2575.2	2521.1
52.5°	24562.0	19563.0	5659.0	4436.3	3581.5	3105.4	2943.1	2705.1	2510.3	2391.3	2380.5
55°	25438.4	20233.9	5421.0	3971.0	3181.2	2856.6	2748.3	2542.8	2369.6	2250.6	2218.2
57.5°	25546.6	20580.1	5139.6	3538.2	2856.6	2661.8	2618.5	2391.3	2142.4	2055.9	2023.4
60°	*24031.8*	*19995.9*	*4793.4*	*3137.9*	*2618.5*	*2510.3*	*2488.7*	*2185.7*	*1980.1*	*1871.9*	*1828.6*
62.5°	21965.1	18535.1	4263.2	2770.0	2434.6	2358.8	2272.3	2034.2	1774.5	1655.5	1623.0
65°	17950.8	15581.2	3624.8	2521.1	2250.6	2164.1	2142.4	1817.8	1644.7	1579.8	1568.9
67.5°	13601.1	12519.0	3192.0	2337.2	2055.9	2023.4	1947.6	1839.4	1763.7	1688.0	1666.3
70°	9619.2	9034.9	2715.9	2099.1	1861.1	1807.0	2120.8	2001.7	1731.2	1633.9	1623.0
72.5°	5832.1	5669.8	2348.0	1882.7	1601.4	1688.0	1958.5	1807.0	1558.1	1439.1	1395.8
75°	3678.9	3365.1	1969.3	1601.4	1276.8	1374.2	1709.6	1612.2	1341.7	1222.7	1190.2
77.5°	2001.7	1861.1	1482.4	1309.3	1006.3	1114.5	1493.2	1330.9	1071.2	1168.6	1038.7
80°	876.4	973.8	984.6	757.4	670.9	822.3	1071.2	1038.7	822.3	833.2	692.5
82.5°	422.0	551.8	638.4	519.4	378.7	486.9	714.1	595.1	551.8	519.4	497.7
85°	129.8	205.6	281.3	248.9	173.1	205.6	335.4	324.6	389.5	335.4	313.8
87.5°	43.3	43.3	32.5	32.5	32.5	43.3	54.1	32.5	10.8	10.8	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°	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1
2.5°	7476.8	7487.6	7487.6	7498.4	7498.4	7530.9	7574.2	7617.5	7585.0	7628.3	7639.1
5°	6957.4	7011.5	7054.8	7217.1	7347.0	7455.2	7574.2	7682.4	7714.8	7736.5	7790.6
7.5°	5734.7	5886.2	6167.6	6535.4	6946.6	7347.0	7617.5	7898.8	7942.1	7996.2	8071.9
10°	4879.9	4944.9	5139.6	5518.3	6254.1	7044.0	7704.0	8147.7	8331.6	8439.8	8515.5
12.5°	5020.6	4977.3	4944.9	4999.0	5475.1	6492.2	7649.9	8504.7	8851.0	8970.0	9067.4
15°	5356.0	5312.8	5193.7	5042.2	5096.3	5907.9	7466.0	8840.2	9392.0	9586.8	9792.3
17.5°	5550.8	5507.5	5410.1	5247.8	5107.2	5421.0	7119.7	9143.1	10246.8	10484.8	10777.0
20°	5659.0	5615.7	5518.3	5356.0	5193.7	5237.0	6676.1	9521.8	11220.6	11599.3	12032.1
22.5°	5680.6	5626.5	5518.3	5356.0	5258.6	5226.2	6254.1	9749.1	12270.2	12854.5	13352.2
25°	5669.8	5572.4	5431.8	5312.8	5258.6	5247.8	5962.0	9878.9	13406.3	14336.9	14899.5
27.5°	5594.1	5475.1	5334.4	5247.8	5226.2	5291.1	5832.1	10030.4	14737.2	15927.4	16825.5
30°	5507.5	5334.4	5161.3	5128.8	5182.9	5388.5	5940.3	10084.5	16133.0	17658.7	18578.4
32.5°	5280.3	5150.4	4977.3	4966.5	5096.3	5464.2	6189.2	10008.7	17366.5	19389.9	20547.7
35°	4955.7	4879.9	4782.6	4815.0	5020.6	5529.2	6362.3	9770.7	18491.8	21002.1	22354.7
37.5°	4382.2	4436.3	4490.4	4566.2	4825.8	5518.3	6438.1	9392.0	19422.4	22289.7	24021.0
40°	3743.8	3927.8	4100.9	4295.6	4641.9	5431.8	6459.7	8926.7	19963.4	23263.6	25503.4
42.5°	3343.5	3516.6	3733.0	4014.3	4393.0	5237.0	6438.1	8407.3	20136.5	23934.4	26444.7
45°	2975.6	3181.2	3451.7	3743.8	4176.6	4955.7	6243.3	7844.7	20223.1	24248.2	26845.1
47.5°	2780.8	2899.8	3148.7	3440.8	3895.3	4609.4	5864.6	7433.5	20093.2	24313.1	27332.0
50°	2553.6	2715.9	2878.2	3159.5	3603.1	4176.6	5410.1	7195.5	20309.6	24951.5	28100.2
52.5°	2380.5	2467.0	2640.1	2899.8	3224.4	3776.3	4977.3	7000.7	20904.8	25600.8	28900.9
55°	2250.6	2348.0	2456.2	2672.6	2921.5	3375.9	4533.7	6708.6	21597.3	26293.2	29701.6
57.5°	2045.0	2110.0	2261.4	2488.7	2651.0	2986.4	4014.3	6362.3	21543.2	25752.2	28316.6
60°	*1861.1*	*1926.0*	*2088.3*	*2315.5*	*2412.9*	*2640.1*	*3505.8*	*5918.7*	*20504.4*	*23988.5*	*25763.1*
62.5°	1655.5	1731.2	1926.0	2088.3	2174.9	2348.0	2975.6	5107.2	18340.4	21337.6	22776.7
65°	1568.9	1612.2	1742.1	1936.8	1926.0	2088.3	2510.3	4014.3	14758.8	16306.1	17615.4
67.5°	1666.3	1731.2	1709.6	1763.7	1731.2	1817.8	2250.6	3224.4	11599.3	12281.0	13038.4
70°	1644.7	1796.2	1871.9	1763.7	1514.8	1612.2	1947.6	2575.2	8299.1	8234.2	8201.8
72.5°	1439.1	1590.6	1807.0	1915.2	1482.4	1341.7	1688.0	2229.0	5323.6	5301.9	4793.4
75°	1222.7	1330.9	1590.6	1731.2	1276.8	1082.0	1449.9	1893.5	3181.2	3224.4	2878.2
77.5°	1125.3	1071.2	1330.9	1525.7	1038.7	833.2	1168.6	1428.3	1752.9	1774.5	1644.7
80°	811.5	779.1	995.5	1114.5	789.9	595.1	660.0	887.3	941.4	844.0	876.4
82.5°	519.4	530.2	595.1	714.1	486.9	324.6	454.5	595.1	508.6	411.2	486.9
85°	335.4	378.7	313.8	367.9	151.5	151.5	194.8	259.7	173.1	119.0	129.8
87.5°	0.0	0.0	21.6	43.3	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: P1501564
CATALOG NUMBER: GSS-SB6D-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	7639.1	7639.1	*7639.1*	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1	7639.1
2.5°	7671.6	7660.7	*7660.7*	7682.4	7736.5	7758.1	7790.6	7779.8	7812.2	7790.6
5°	7823.1	7833.9	*7866.3*	7877.2	7909.6	7952.9	7963.7	7952.9	7974.5	7974.5
7.5°	8126.0	8169.3	*8147.7*	8201.8	8158.5	8104.4	8017.8	7952.9	7898.8	7920.4
10°	8634.6	8612.9	*8602.1*	8504.7	8310.0	8028.6	7801.4	7552.5	7509.3	7466.0
12.5°	9197.2	9175.6	*9175.6*	8840.2	8288.3	7704.0	7184.7	6795.1	6665.3	6654.5
15°	9987.1	9846.4	*9716.6*	9013.3	7909.6	6914.2	6308.2	6005.2	5929.5	5929.5
17.5°	10971.8	10603.9	*10387.5*	8883.4	7292.9	6394.8	6037.7	5962.0	5940.3	5994.4
20°	12194.4	11263.9	*10950.1*	8591.3	7065.6	6459.7	6286.6	6297.4	6308.2	6384.0
22.5°	13536.2	11869.8	*11350.5*	8591.3	7292.9	6870.9	6784.3	6903.3	6935.8	7000.7
25°	15029.3	12410.8	*11707.5*	9045.7	7963.7	7649.9	7541.7	7660.7	7747.3	7855.5
27.5°	16706.5	12973.5	*12324.3*	9868.1	8829.3	8634.6	8515.5	8569.7	8688.7	8818.5
30°	18210.5	13914.9	*13265.6*	11123.2	10008.7	9770.7	9565.1	9651.7	9781.5	9868.1
32.5°	19541.4	15061.8	*14510.0*	12443.3	11361.3	10950.1	10722.9	10701.2	10960.9	10896.0
35°	20764.1	16414.3	*15884.2*	13947.3	12735.5	12226.9	11923.9	12313.5	12140.3	12205.3
37.5°	21727.1	17821.0	*17399.0*	15386.4	14163.7	13471.2	13287.3	13763.4	14033.9	14109.6
40°	22517.0	19043.7	*18600.0*	16814.7	15473.0	14964.4	15256.6	16046.5	16014.0	15981.5
42.5°	23122.9	20093.2	*19606.3*	17896.7	16728.1	16825.5	17052.7	17582.9	17712.8	17528.8
45°	23393.4	20753.3	*20363.7*	18751.5	18156.4	18719.1	18816.4	19043.7	18957.1	18838.1
47.5°	23707.2	21337.6	*20926.4*	19530.6	19703.7	20255.5	20060.8	19876.8	19563.0	19379.1
50°	24237.4	22030.1	*21683.8*	20666.7	21294.3	21110.3	20352.9	19941.8	19303.4	19086.9
52.5°	25243.7	23339.3	*23079.6*	22462.9	22040.9	20980.5	20060.8	19325.0	18610.9	18318.7
55°	26141.8	25113.8	*24962.4*	24140.0	21813.7	20298.8	19065.3	17929.2	16706.5	16457.6
57.5°	26661.1	28057.0	*28230.1*	24854.2	20774.9	18751.5	16933.7	15115.9	13958.1	13752.6
60°	*25113.8*	*31238.1*	*31324.7*	*24713.5*	*18903.0*	*15959.9*	*13189.9*	*11902.3*	*10658.0*	*10300.9*
62.5°	22982.2	30578.1	*30502.3*	23869.5	15051.0	11642.6	10019.6	9413.6	8450.6	8158.5
65°	19757.8	25470.9	*25557.5*	20623.4	10008.7	8418.2	8418.2	7649.9	6578.7	6373.1
67.5°	16100.6	19638.8	*19444.0*	13373.8	6145.9	6741.0	7065.6	5962.0	4457.9	4209.1
70°	10463.2	14996.9	*14726.4*	7714.8	3862.8	5615.7	5561.6	4479.6	3192.0	3018.9
72.5°	4501.2	8667.0	*9218.9*	3938.6	2910.7	4522.9	4436.3	3137.9	2131.6	2055.9
75°	2715.9	4360.6	*4750.1*	2510.3	2120.8	3408.4	3073.0	1990.9	1449.9	1395.8
77.5°	1720.4	2391.3	*2369.6*	1882.7	1590.6	2304.7	2066.7	1374.2	984.6	941.4
80°	995.5	1179.4	*1222.7*	1179.4	1071.2	1644.7	1320.1	995.5	768.2	714.1
82.5°	638.4	735.8	*746.6*	573.5	595.1	1060.4	714.1	584.3	443.6	400.3
85°	281.3	313.8	*303.0*	194.8	194.8	432.8	248.9	238.0	173.1	173.1
87.5°	10.8	21.6	*10.8*	10.8	10.8	43.3	21.6	32.5	32.5	32.5
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

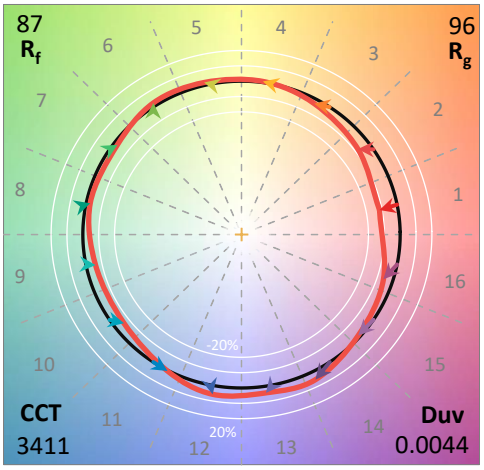
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

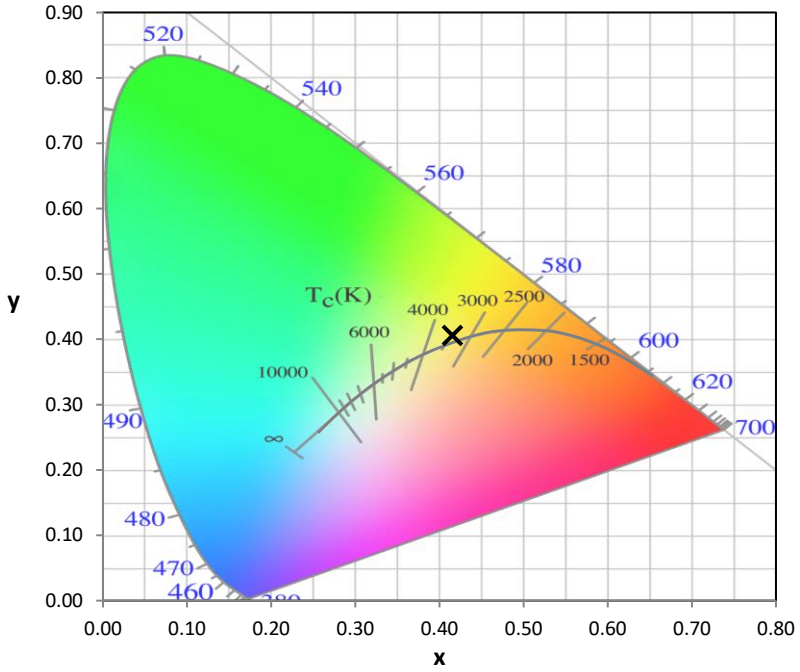
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

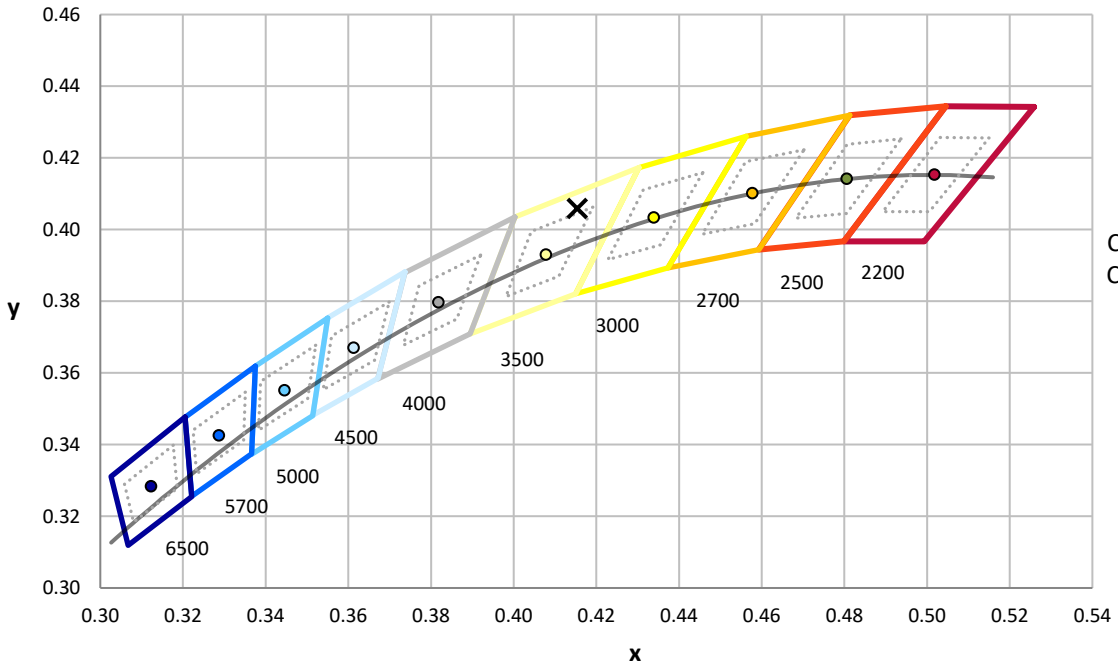
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

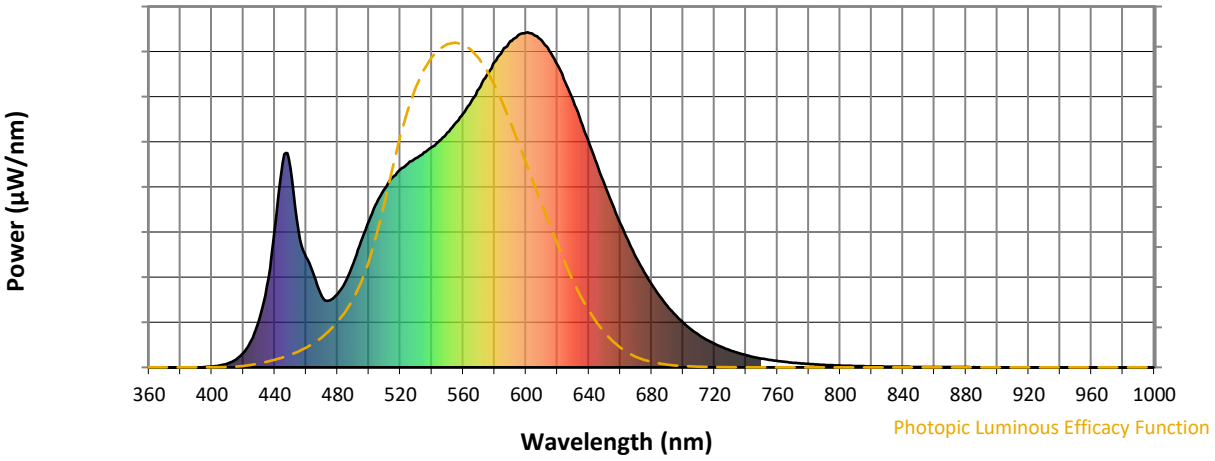


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

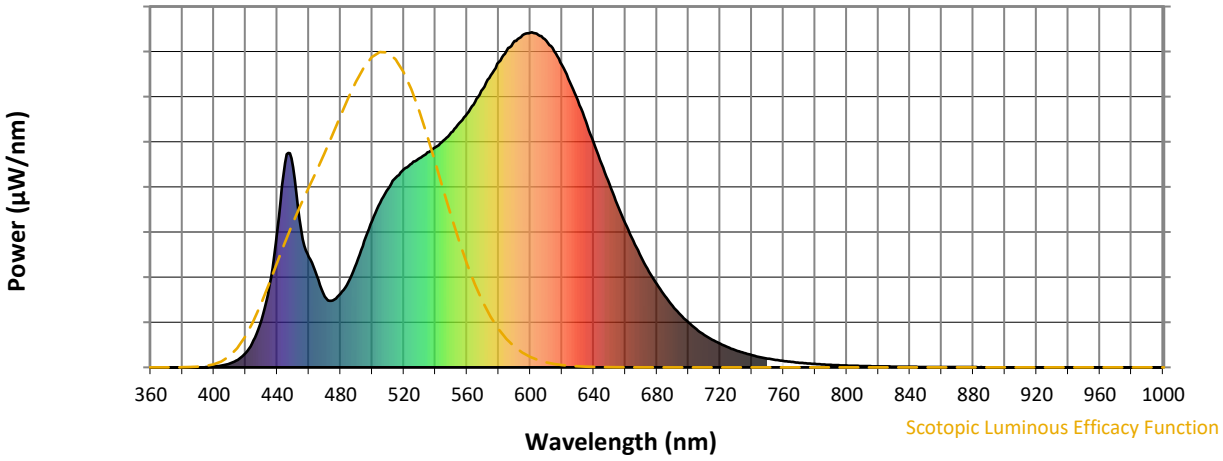


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

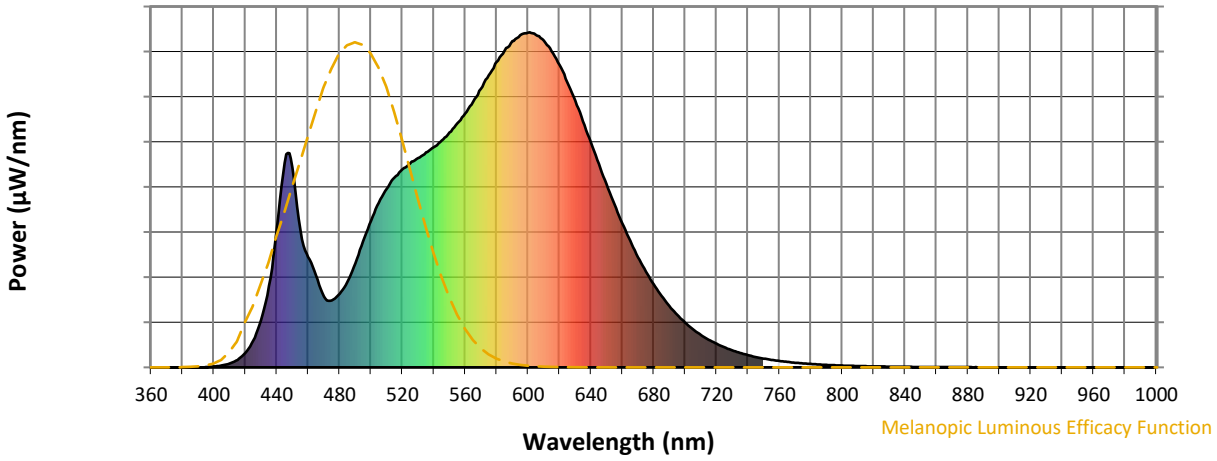


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

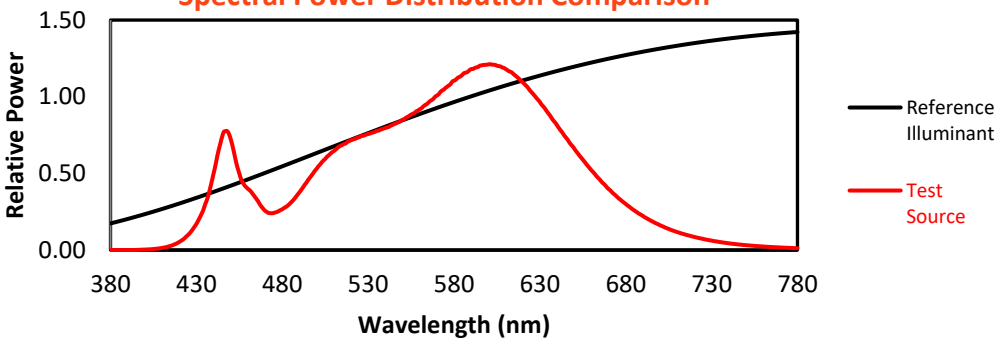
REPORT NUMBER: SP1-2407-184-10

TM-30-18

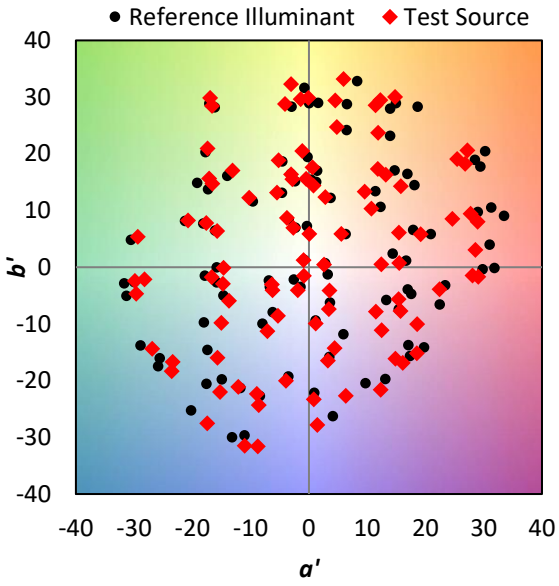
Summary

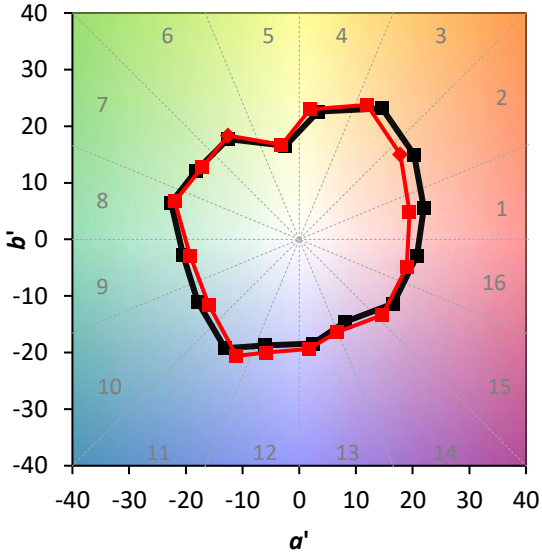
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

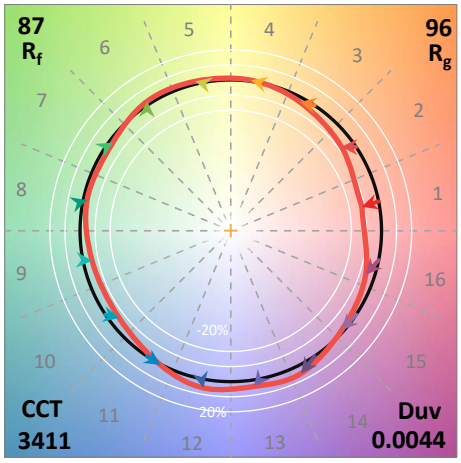
Spectral Power Distribution Comparison

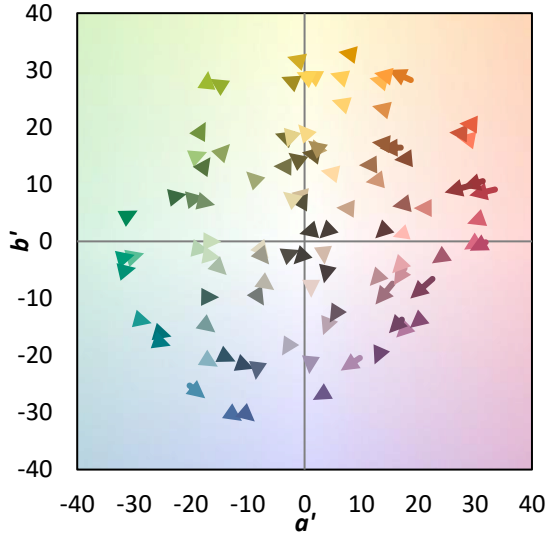


Color Vector Graphics







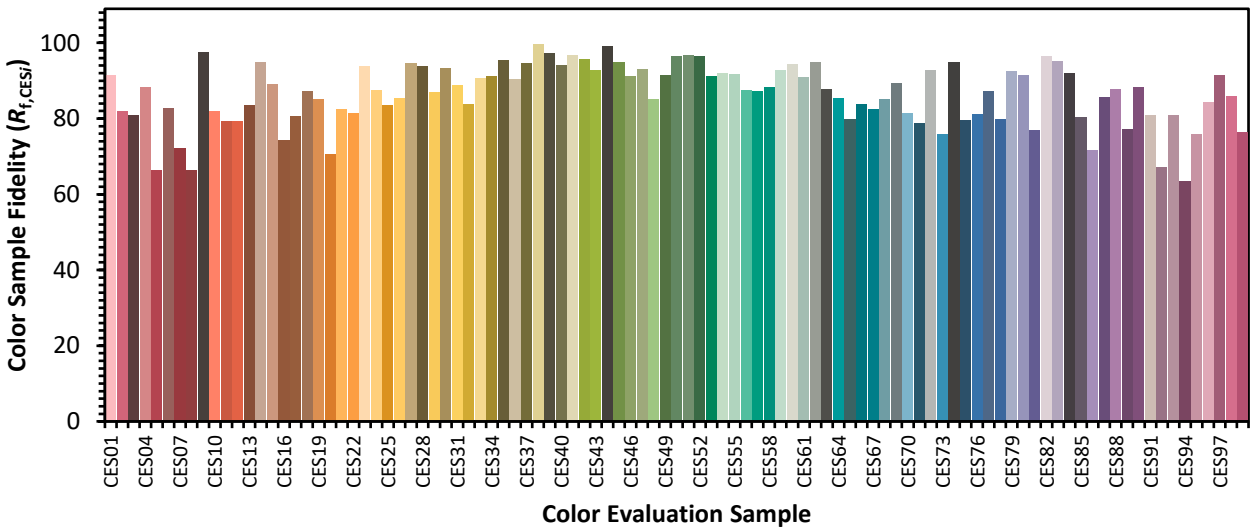


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Individual Sample Fidelity Index ($R_{f,i}$)

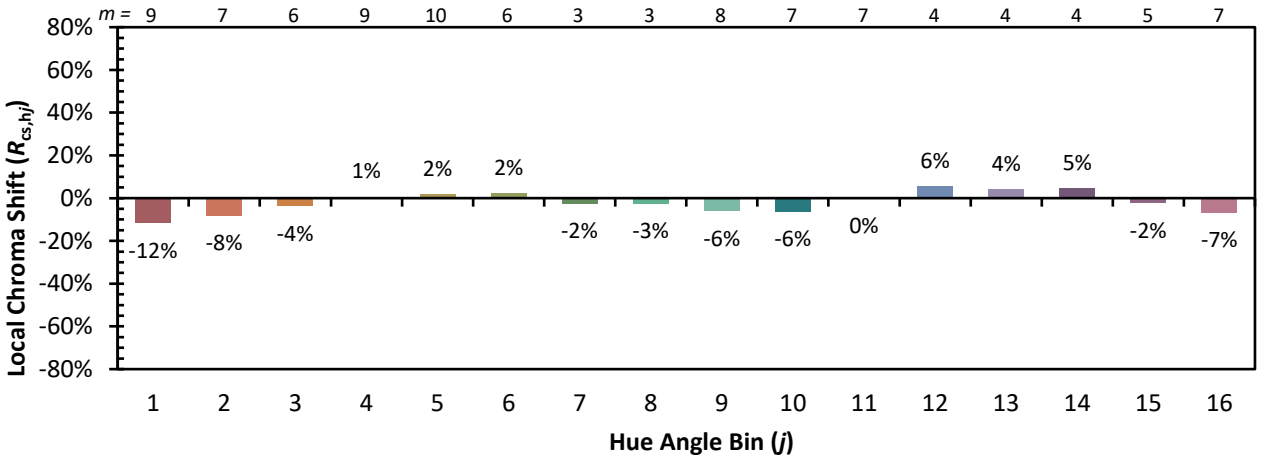
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

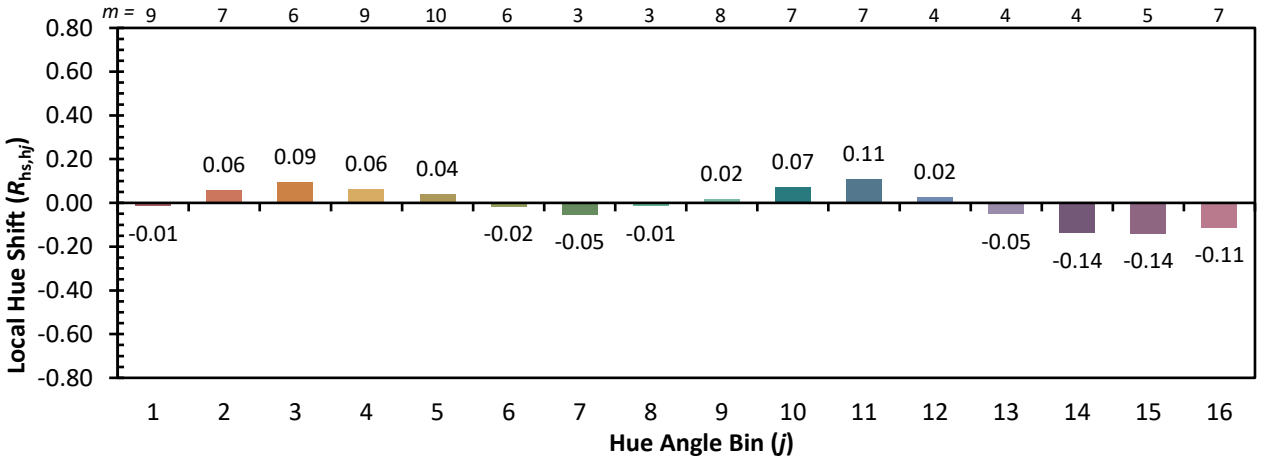


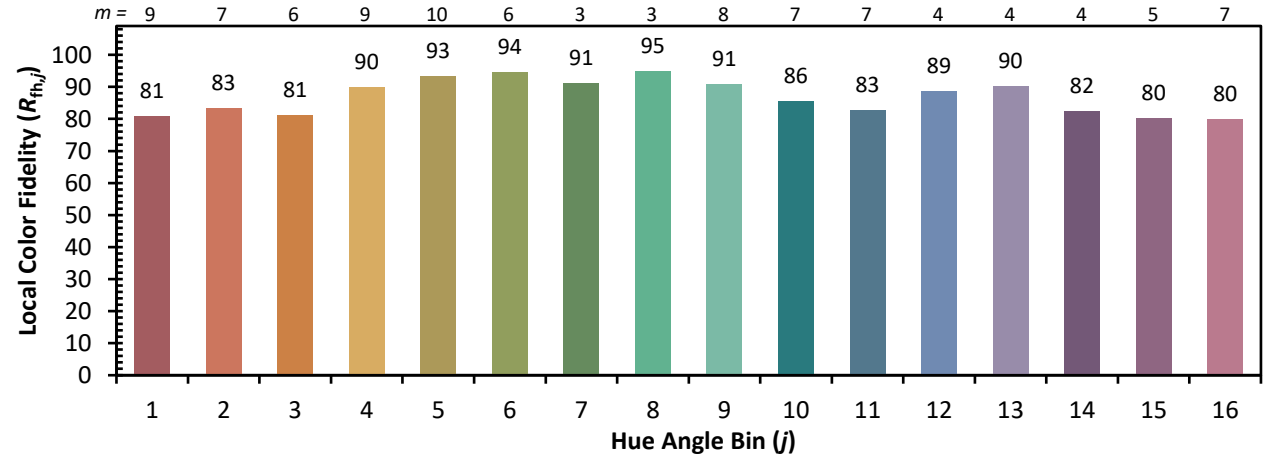
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Color Rendition by Hue-Angle Bin



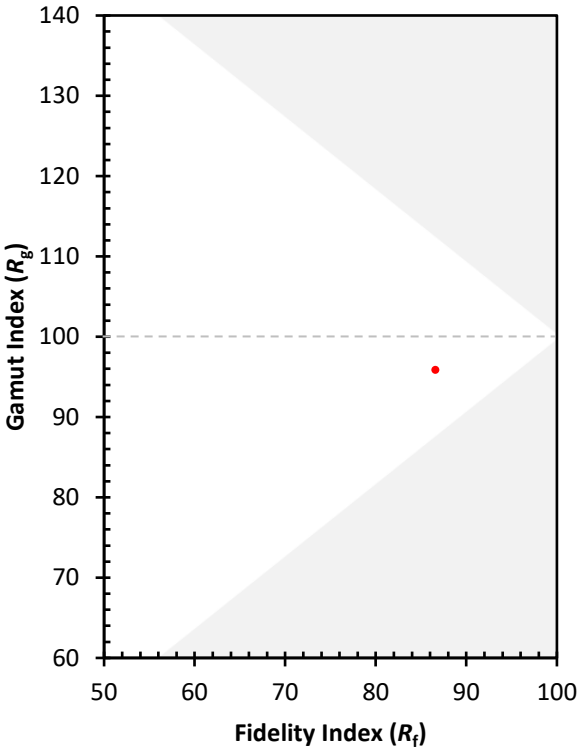


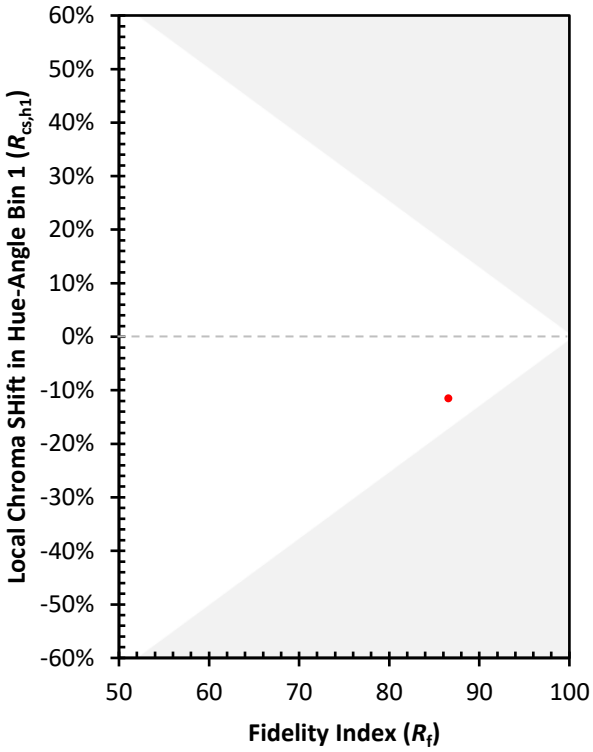


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Measure Comparisons





(END OF REPORT)