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: P1501606

Luminaire Tested: GSS-SB5B-850-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:	P1501606
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-850-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 5000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26125.1 lumens
Efficiency:	N/A
Efficacy:	142.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

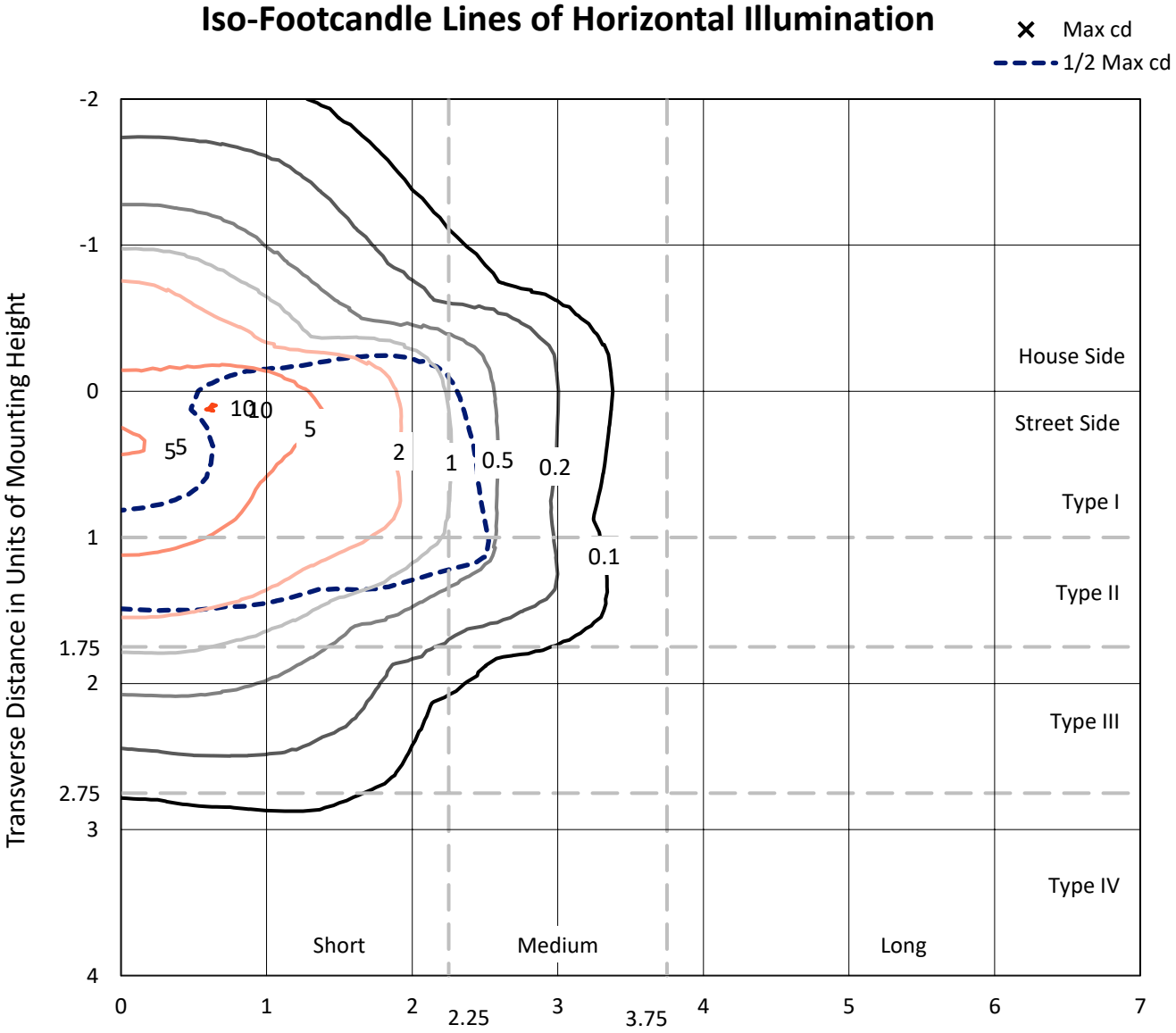
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



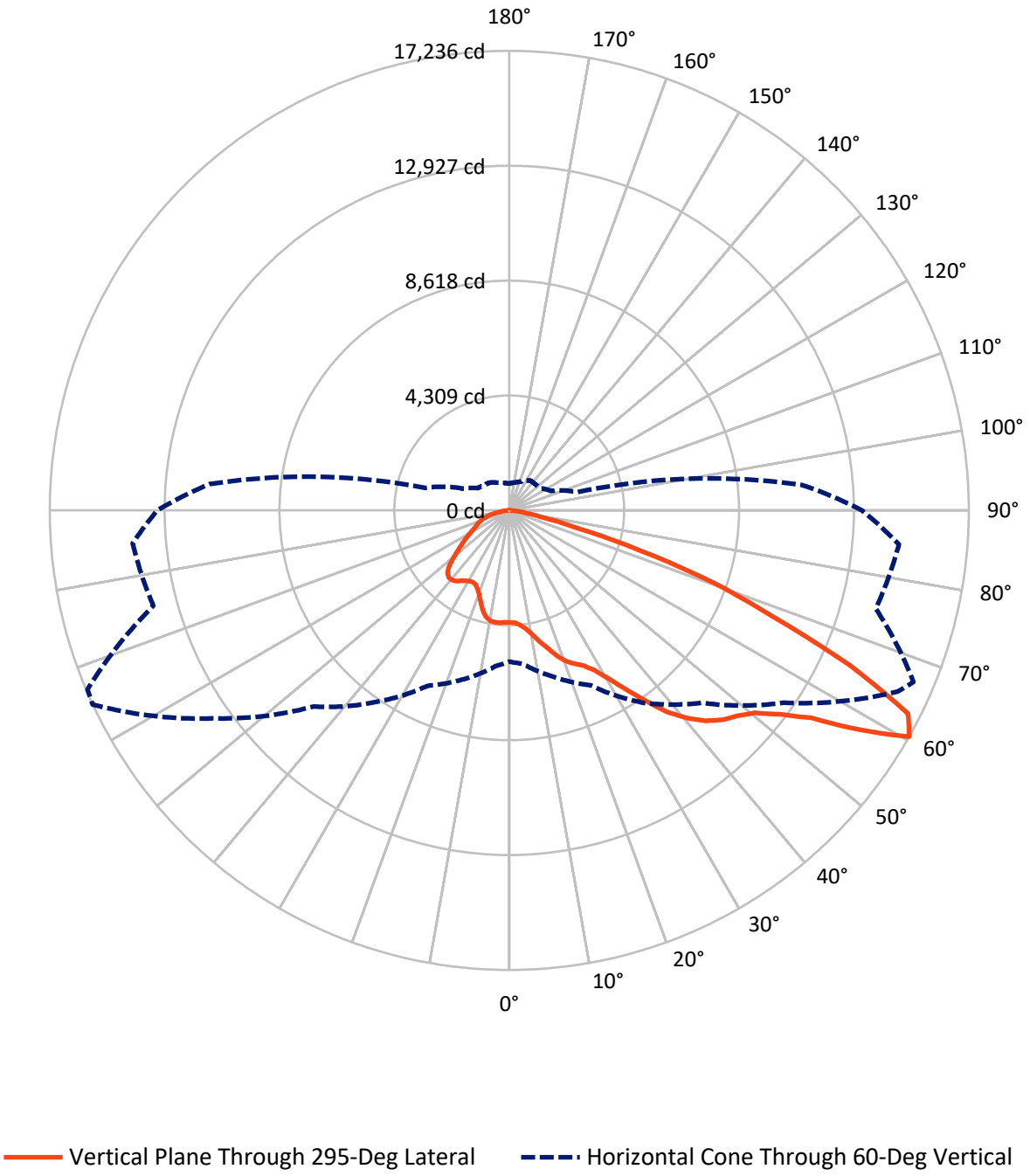
Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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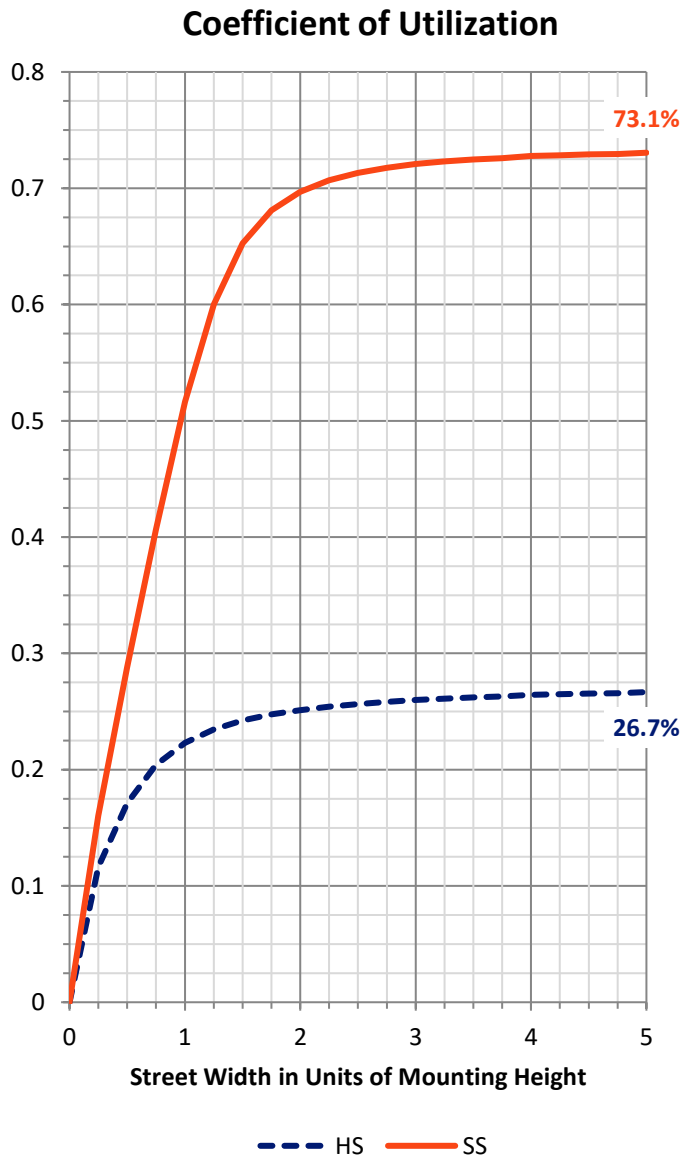
REPORT NUMBER: P1501606
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7025.4	0.0	7025.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	19099.7	0.0	19099.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	26125.1	0.0	26125.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.2	1.5
10°-20°	1136.1	4.3
20°-30°	2152.0	8.2
30°-40°	3793.9	14.5
40°-50°	5610.8	21.5
50°-60°	6588.6	25.2
60°-70°	4773.7	18.3
70°-80°	1472.2	5.6
80°-90°	202.7	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°	26125.1	100.0
0°-180°	26125.1	100.0



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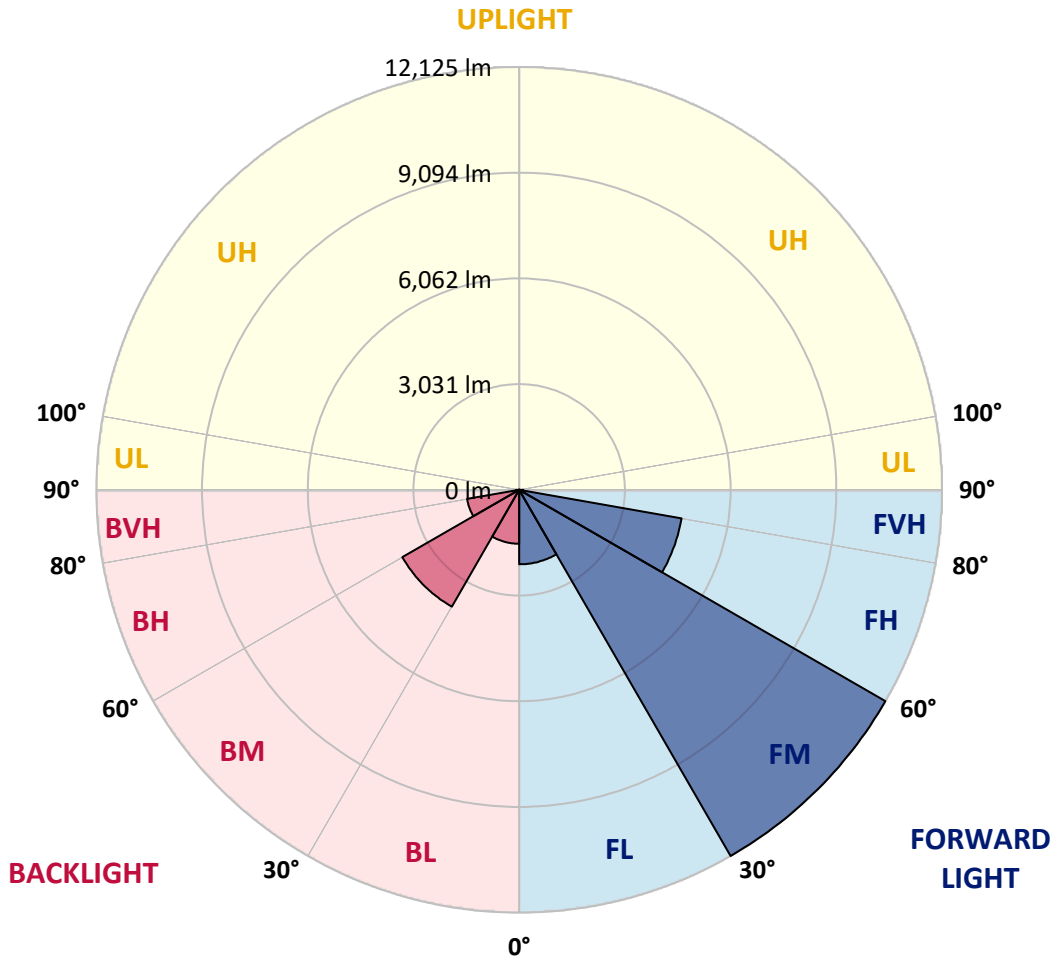
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2136.1	8.2			
FM	(30°-60°)	12124.8	46.4			
FH	(60°-80°)	4729.4	18.1			G2/5000
FVH	(80°-90°)	109.3	0.4			G2/225
BL	(0°-30°)	1547.2	5.9	B3/2500		
BM	(30°-60°)	3868.4	14.8	B3/5000		
BH	(60°-80°)	1516.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	93.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4
2.5°	4286.8	4298.7	4280.8	4292.7	4292.7	4274.8	4268.9	4245.1	4257.0	4251.0	4245.1
5°	4388.0	4393.9	4382.0	4399.9	4399.9	4405.8	4399.9	4370.1	4370.1	4370.1	4358.2
7.5°	4358.2	4358.2	4364.2	4423.7	4483.2	4560.6	4560.6	4548.7	4560.6	4554.7	4501.1
10°	4108.1	4132.0	4185.5	4334.4	4477.3	4644.0	4757.1	4792.8	4792.8	4798.8	4709.5
12.5°	3661.6	3679.5	3804.5	4030.7	4328.4	4632.1	4906.0	5084.6	5102.4	5132.2	5013.1
15°	3262.7	3274.6	3363.9	3596.1	3935.5	4471.3	4989.3	5358.4	5418.0	5543.0	5364.4
17.5°	3298.4	3292.5	3316.3	3405.6	3649.7	4209.4	4971.4	5680.0	5787.1	6007.4	5852.6
20°	3512.8	3512.8	3530.6	3548.5	3637.8	4018.8	4840.5	5941.9	6150.3	6579.0	6400.4
22.5°	3852.1	3852.1	3846.2	3875.9	3875.9	4102.2	4846.4	6138.4	6448.0	7216.0	7043.4
25°	4322.5	4298.7	4298.7	4310.6	4257.0	4417.7	4995.3	6340.8	6745.7	7972.2	7823.3
27.5°	4852.4	4870.2	4858.3	4816.6	4745.2	4870.2	5352.5	6656.4	7079.1	8770.0	8710.5
30°	5429.9	5435.8	5447.8	5423.9	5364.4	5453.7	5912.2	7132.7	7519.7	9603.5	9734.5
32.5°	5995.5	6078.9	6049.1	5989.6	6013.4	6174.1	6602.8	7775.7	8174.6	10377.5	10841.9
35°	6715.9	6745.7	6864.8	6644.5	6650.4	6924.3	7484.0	8621.1	9008.1	11181.3	11949.3
37.5°	7763.8	7817.4	7763.8	7418.5	7364.9	7745.9	8341.3	9454.7	9734.5	11788.6	12979.3
40°	8793.8	8859.3	8948.6	8543.7	8204.4	8519.9	9151.0	10091.7	10383.5	12122.0	13664.0
42.5°	9645.2	9752.4	9657.1	9538.0	9228.4	9288.0	9716.6	10585.9	10877.6	12544.7	14354.7
45°	10365.6	10383.5	10425.2	10341.8	10187.0	10133.4	10198.9	11020.5	11342.0	12735.2	14694.0
47.5°	10663.3	10740.7	10776.4	10919.3	11080.1	10972.9	10609.7	11223.0	11514.7	12723.3	14801.2
50°	10502.6	10580.0	10770.5	11109.8	11496.8	11687.4	11092.0	11502.8	11830.3	12937.7	15021.5
52.5°	10079.8	10163.2	10472.8	10859.8	11508.8	11943.4	11770.7	12086.3	12401.8	13318.7	15390.6
55°	9055.8	9180.8	9615.4	10258.4	11151.5	11806.4	12485.2	12943.6	13288.9	13777.2	15771.7
57.5°	7567.3	7698.3	8186.5	9151.0	10490.6	11240.8	12693.6	14551.2	14706.0	14324.9	15807.4
60°	*5668.0*	*5775.2*	*6465.9*	*7239.9*	*8811.7*	*10204.9*	*12574.5*	*16075.3*	*16468.3*	*14229.7*	*14670.2*
62.5°	4489.2	4620.2	5233.4	5590.6	6715.9	8430.6	12157.7	16498.1	16837.4	13443.7	13086.5
65°	3506.8	3596.1	4167.7	4679.7	4953.6	5757.4	10419.2	14432.1	14735.7	12163.7	10800.2
67.5°	2316.0	2453.0	3131.7	3834.3	3977.2	3661.6	7168.4	11103.9	11246.8	9669.0	8121.0
70°	1661.1	1726.6	2232.7	2982.9	3197.2	2453.0	3905.7	8406.8	8448.5	6489.7	5471.6
72.5°	1131.2	1143.1	1518.2	2286.3	2548.2	1780.2	2149.3	5537.1	5394.2	3203.2	3131.7
75°	768.0	780.0	970.5	1524.2	1804.0	1238.4	1399.1	3018.6	2899.5	1768.3	1899.3
77.5°	518.0	529.9	666.8	1024.1	1202.7	857.4	1024.1	1595.6	1565.9	1172.9	1018.1
80°	393.0	410.8	494.2	654.9	839.5	500.1	583.5	756.1	768.0	625.2	518.0
82.5°	220.3	244.1	297.7	333.4	541.8	279.8	279.8	452.5	434.6	387.0	279.8
85°	95.3	101.2	119.1	125.0	220.3	119.1	101.2	196.5	202.4	190.5	89.3
87.5°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23.8	23.8	23.8	23.8
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°	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4
2.5°	4215.3	4251.0	4215.3	4197.4	4197.4	4167.7	4155.8	4155.8	4114.1	4132.0	4120.0
5°	4310.6	4322.5	4280.8	4227.2	4155.8	4096.2	4012.9	3905.7	3840.2	3834.3	3840.2
7.5°	4459.4	4465.4	4352.2	4233.2	4054.6	3840.2	3584.2	3375.8	3191.3	3161.5	3197.2
10°	4667.8	4655.9	4489.2	4209.4	3834.3	3381.8	2988.8	2798.3	2691.1	2685.2	2679.2
12.5°	4947.6	4870.2	4614.2	4108.1	3453.2	2929.3	2726.9	2714.9	2744.7	2768.5	2774.5
15°	5269.1	5167.9	4715.4	3911.7	3066.2	2762.6	2774.5	2875.7	2911.4	2935.2	2935.2
17.5°	5668.0	5537.1	4828.6	3631.8	2869.7	2798.3	2881.7	2976.9	3036.5	3060.3	3054.3
20°	6197.9	5924.1	4917.9	3363.9	2816.2	2857.8	2929.3	3024.5	3084.1	3113.9	3113.9
22.5°	6727.8	6388.5	4935.7	3179.3	2816.2	2863.8	2929.3	3024.5	3090.0	3119.8	3113.9
25°	7448.2	6983.8	4941.7	3048.4	2822.1	2834.0	2893.6	2976.9	3072.2	3101.9	3113.9
27.5°	8216.3	7638.8	4971.4	3018.6	2798.3	2792.3	2834.0	2911.4	3006.7	3084.1	3090.0
30°	9168.9	8377.0	4983.4	3048.4	2804.3	2726.9	2756.6	2834.0	2935.2	3012.6	3036.5
32.5°	10103.6	9061.7	4959.5	3113.9	2816.2	2685.2	2691.1	2738.8	2845.9	2899.5	2941.2
35°	11092.0	9788.1	4917.9	3203.2	2822.1	2667.3	2613.7	2637.5	2709.0	2714.9	2732.8
37.5°	11866.0	10329.9	4792.8	3322.2	2834.0	2601.8	2494.7	2476.8	2447.0	2387.5	2399.4
40°	12503.0	10693.1	4584.4	3381.8	2804.3	2524.4	2345.8	2262.5	2149.3	2060.0	2077.9
42.5°	12961.5	10937.2	4334.4	3393.7	2756.6	2393.4	2173.1	2030.3	1905.2	1810.0	1815.9
45°	13163.9	10913.4	4066.5	3304.4	2643.5	2232.7	2012.4	1875.5	1738.5	1637.3	1625.4
47.5°	13169.9	10681.2	3697.3	3090.0	2453.0	2048.1	1863.5	1714.7	1601.6	1530.1	1524.2
50°	13217.5	10550.2	3352.0	2780.4	2202.9	1851.6	1732.6	1583.7	1518.2	1417.0	1387.2
52.5°	13515.2	10764.5	3113.9	2441.1	1970.7	1708.7	1619.4	1488.5	1381.3	1315.8	1309.8
55°	13997.5	11133.7	2982.9	2185.1	1750.4	1571.8	1512.3	1399.1	1303.9	1238.4	1220.5
57.5°	14057.0	11324.2	2828.1	1946.9	1571.8	1464.6	1440.8	1315.8	1178.9	1131.2	1113.4
60°	*13223.5*	*11002.7*	*2637.5*	*1726.6*	*1440.8*	*1381.3*	*1369.4*	*1202.7*	*1089.6*	*1030.0*	*1006.2*
62.5°	12086.3	10198.9	2345.8	1524.2	1339.6	1297.9	1250.3	1119.3	976.4	910.9	893.1
65°	9877.4	8573.5	1994.5	1387.2	1238.4	1190.8	1178.9	1000.2	905.0	869.3	863.3
67.5°	7484.0	6888.6	1756.4	1286.0	1131.2	1113.4	1071.7	1012.2	970.5	928.8	916.9
70°	5293.0	4971.4	1494.4	1155.0	1024.1	994.3	1167.0	1101.5	952.6	899.0	893.1
72.5°	3209.1	3119.8	1292.0	1036.0	881.2	928.8	1077.6	994.3	857.4	791.9	768.0
75°	2024.3	1851.6	1083.6	881.2	702.6	756.1	940.7	887.1	738.3	672.8	654.9
77.5°	1101.5	1024.1	815.7	720.4	553.7	613.2	821.6	732.3	589.4	643.0	571.6
80°	482.3	535.8	541.8	416.8	369.1	452.5	589.4	571.6	452.5	458.4	381.0
82.5°	232.2	303.6	351.3	285.8	208.4	267.9	393.0	327.5	303.6	285.8	273.9
85°	71.4	113.1	154.8	136.9	95.3	113.1	184.6	178.6	214.3	184.6	172.7
87.5°	23.8	23.8	17.9	17.9	17.9	23.8	29.8	17.9	6.0	6.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4
2.5°	4114.1	4120.0	4120.0	4126.0	4126.0	4143.9	4167.7	4191.5	4173.6	4197.4	4203.4
5°	3828.3	3858.1	3881.9	3971.2	4042.6	4102.2	4167.7	4227.2	4245.1	4257.0	4286.8
7.5°	3155.5	3238.9	3393.7	3596.1	3822.4	4042.6	4191.5	4346.3	4370.1	4399.9	4441.6
10°	2685.2	2720.9	2828.1	3036.5	3441.3	3875.9	4239.1	4483.2	4584.4	4644.0	4685.7
12.5°	2762.6	2738.8	2720.9	2750.7	3012.6	3572.3	4209.4	4679.7	4870.2	4935.7	4989.3
15°	2947.1	2923.3	2857.8	2774.5	2804.3	3250.8	4108.1	4864.3	5167.9	5275.1	5388.2
17.5°	3054.3	3030.5	2976.9	2887.6	2810.2	2982.9	3917.6	5031.0	5638.3	5769.3	5930.0
20°	3113.9	3090.0	3036.5	2947.1	2857.8	2881.7	3673.5	5239.4	6174.1	6382.5	6620.7
22.5°	3125.8	3096.0	3036.5	2947.1	2893.6	2875.7	3441.3	5364.4	6751.6	7073.1	7347.0
25°	3119.8	3066.2	2988.8	2923.3	2893.6	2887.6	3280.6	5435.8	7376.8	7888.8	8198.4
27.5°	3078.1	3012.6	2935.2	2887.6	2875.7	2911.4	3209.1	5519.2	8109.1	8764.0	9258.2
30°	3030.5	2935.2	2840.0	2822.1	2851.9	2965.0	3268.7	5549.0	8877.2	9716.6	10222.7
32.5°	2905.5	2834.0	2738.8	2732.8	2804.3	3006.7	3405.6	5507.3	9555.9	10669.3	11306.3
35°	2726.9	2685.2	2631.6	2649.5	2762.6	3042.4	3500.9	5376.3	10175.1	11556.4	12300.6
37.5°	2411.3	2441.1	2470.8	2512.5	2655.4	3036.5	3542.5	5167.9	10687.1	12264.9	13217.5
40°	2060.0	2161.2	2256.5	2363.7	2554.2	2988.8	3554.4	4911.9	10984.8	12800.7	14033.2
42.5°	1839.7	1935.0	2054.1	2208.9	2417.3	2881.7	3542.5	4626.1	11080.1	13169.9	14551.2
45°	1637.3	1750.4	1899.3	2060.0	2298.2	2726.9	3435.4	4316.5	11127.7	13342.5	14771.4
47.5°	1530.1	1595.6	1732.6	1893.3	2143.4	2536.3	3227.0	4090.3	11056.3	13378.3	15039.4
50°	1405.1	1494.4	1583.7	1738.5	1982.6	2298.2	2976.9	3959.3	11175.3	13729.5	15462.1
52.5°	1309.8	1357.5	1452.7	1595.6	1774.2	2077.9	2738.8	3852.1	11502.8	14086.8	15902.7
55°	1238.4	1292.0	1351.5	1470.6	1607.5	1857.6	2494.7	3691.4	11883.8	14467.8	16343.3
57.5°	1125.3	1161.0	1244.4	1369.4	1458.7	1643.3	2208.9	3500.9	11854.1	14170.1	15581.2
60°	*1024.1*	*1059.8*	*1149.1*	*1274.1*	*1327.7*	*1452.7*	*1929.0*	*3256.7*	*11282.5*	*13199.6*	*14176.1*
62.5°	910.9	952.6	1059.8	1149.1	1196.7	1292.0	1637.3	2810.2	10091.7	11741.0	12532.8
65°	863.3	887.1	958.6	1065.7	1059.8	1149.1	1381.3	2208.9	8121.0	8972.4	9692.8
67.5°	916.9	952.6	940.7	970.5	952.6	1000.2	1238.4	1774.2	6382.5	6757.6	7174.4
70°	905.0	988.3	1030.0	970.5	833.5	887.1	1071.7	1417.0	4566.6	4530.9	4513.0
72.5°	791.9	875.2	994.3	1053.8	815.7	738.3	928.8	1226.5	2929.3	2917.4	2637.5
75°	672.8	732.3	875.2	952.6	702.6	595.4	797.8	1041.9	1750.4	1774.2	1583.7
77.5°	619.2	589.4	732.3	839.5	571.6	458.4	643.0	785.9	964.5	976.4	905.0
80°	446.5	428.7	547.8	613.2	434.6	327.5	363.2	488.2	518.0	464.4	482.3
82.5°	285.8	291.7	327.5	393.0	267.9	178.6	250.1	327.5	279.8	226.2	267.9
85°	184.6	208.4	172.7	202.4	83.4	83.4	107.2	142.9	95.3	65.5	71.4
87.5°	0.0	0.0	11.9	23.8	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: P1501606
CATALOG NUMBER: GSS-SB5B-850-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4203.4	4203.4	*4203.4*	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4	4203.4
2.5°	4221.3	4215.3	*4215.3*	4227.2	4257.0	4268.9	4286.8	4280.8	4298.7	4286.8
5°	4304.6	4310.6	*4328.4*	4334.4	4352.2	4376.1	4382.0	4376.1	4388.0	4388.0
7.5°	4471.3	4495.1	*4483.2*	4513.0	4489.2	4459.4	4411.8	4376.1	4346.3	4358.2
10°	4751.2	4739.2	*4733.3*	4679.7	4572.5	4417.7	4292.7	4155.8	4132.0	4108.1
12.5°	5060.8	5048.8	*5048.8*	4864.3	4560.6	4239.1	3953.3	3739.0	3667.6	3661.6
15°	5495.4	5418.0	*5346.5*	4959.5	4352.2	3804.5	3471.1	3304.4	3262.7	3262.7
17.5°	6037.2	5834.8	*5715.7*	4888.1	4012.9	3518.7	3322.2	3280.6	3268.7	3298.4
20°	6710.0	6197.9	*6025.3*	4727.3	3887.9	3554.4	3459.2	3465.1	3471.1	3512.8
22.5°	7448.2	6531.4	*6245.6*	4727.3	4012.9	3780.7	3733.1	3798.5	3816.4	3852.1
25°	8269.9	6829.0	*6442.0*	4977.4	4382.0	4209.4	4149.8	4215.3	4262.9	4322.5
27.5°	9192.7	7138.6	*6781.4*	5429.9	4858.3	4751.2	4685.7	4715.4	4780.9	4852.4
30°	10020.3	7656.6	*7299.4*	6120.5	5507.3	5376.3	5263.2	5310.8	5382.3	5429.9
32.5°	10752.6	8287.7	*7984.1*	6846.9	6251.5	6025.3	5900.2	5888.3	6031.2	5995.5
35°	11425.4	9032.0	*8740.2*	7674.5	7007.7	6727.8	6561.1	6775.5	6680.2	6715.9
37.5°	11955.3	9806.0	*9573.8*	8466.3	7793.6	7412.5	7311.3	7573.3	7722.1	7763.8
40°	12389.9	10478.7	*10234.6*	9252.3	8514.0	8234.1	8394.9	8829.5	8811.7	8793.8
42.5°	12723.3	11056.3	*10788.3*	9847.6	9204.6	9258.2	9383.2	9675.0	9746.4	9645.2
45°	12872.2	11419.4	*11205.1*	10318.0	9990.5	10300.1	10353.7	10478.7	10431.1	10365.6
47.5°	13044.8	11741.0	*11514.7*	10746.7	10841.9	11145.6	11038.4	10937.2	10764.5	10663.3
50°	13336.6	12122.0	*11931.5*	11371.8	11717.1	11615.9	11199.2	10972.9	10621.6	10502.6
52.5°	13890.3	12842.4	*12699.5*	12360.1	12127.9	11544.5	11038.4	10633.5	10240.6	10079.8
55°	14384.5	13818.8	*13735.5*	13283.0	12002.9	11169.4	10490.6	9865.5	9192.7	9055.8
57.5°	14670.2	15438.3	*15533.5*	13675.9	11431.4	10318.0	9317.7	8317.5	7680.4	7567.3
60°	*13818.8*	*17188.7*	*17236.3*	*13598.5*	*10401.3*	*8781.9*	*7257.7*	*6549.2*	*5864.5*	*5668.0*
62.5°	12645.9	16825.5	*16783.8*	13134.1	8281.8	6406.3	5513.2	5179.8	4649.9	4489.2
65°	10871.7	14015.3	*14062.9*	11348.0	5507.3	4632.1	4632.1	4209.4	3619.9	3506.8
67.5°	8859.3	10806.2	*10699.0*	7358.9	3381.8	3709.2	3887.9	3280.6	2453.0	2316.0
70°	5757.4	8252.0	*8103.2*	4245.1	2125.5	3090.0	3060.3	2464.9	1756.4	1661.1
72.5°	2476.8	4769.0	*5072.7*	2167.2	1601.6	2488.7	2441.1	1726.6	1172.9	1131.2
75°	1494.4	2399.4	*2613.7*	1381.3	1167.0	1875.5	1690.9	1095.5	797.8	768.0
77.5°	946.7	1315.8	*1303.9*	1036.0	875.2	1268.2	1137.2	756.1	541.8	518.0
80°	547.8	649.0	*672.8*	649.0	589.4	905.0	726.4	547.8	422.7	393.0
82.5°	351.3	404.9	*410.8*	315.6	327.5	583.5	393.0	321.5	244.1	220.3
85°	154.8	172.7	*166.7*	107.2	107.2	238.2	136.9	131.0	95.3	95.3
87.5°	6.0	11.9	*6.0*	6.0	6.0	23.8	11.9	17.9	17.9	17.9
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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

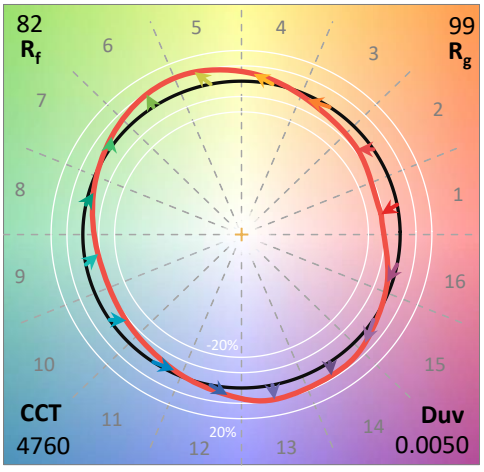
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-12
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-850-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4760
CIE u':	0.2107
CIE v':	0.4939
Duv:	0.0050
CIE x:	0.3537
CIE y:	0.3685
CIE z:	0.2779
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	571
Purity:	16.69598
Rf:	82
Rg:	99.4

CRI (Ra):	81.1
R1:	79.8
R2:	83.5
R3:	87.9
R4:	83.1
R5:	80.5
R6:	79.1
R7:	86.1
R8:	69.0
R9:	8.7
R10:	62.4
R11:	83.8
R12:	63.0
R13:	79.9
R14:	93.3
R15:	72.7



Test Conditions

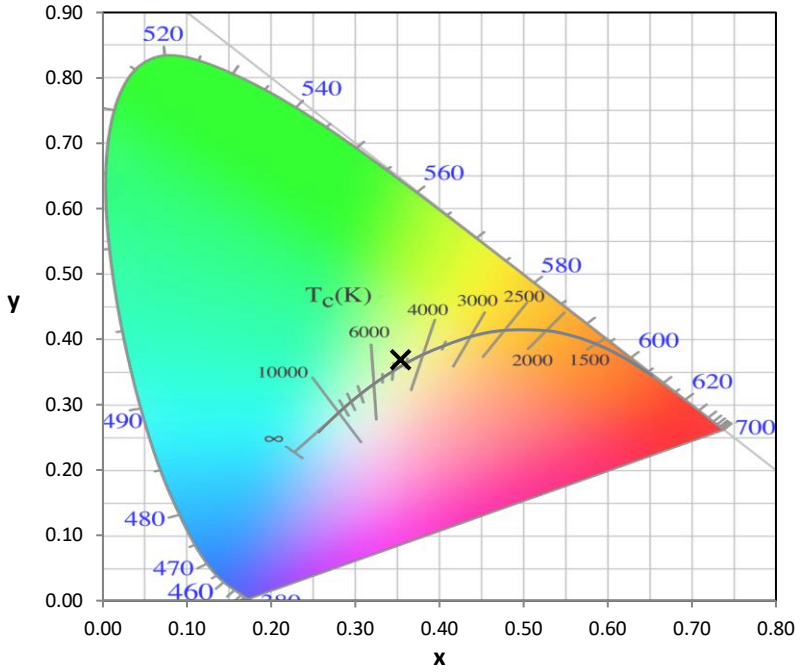
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-12

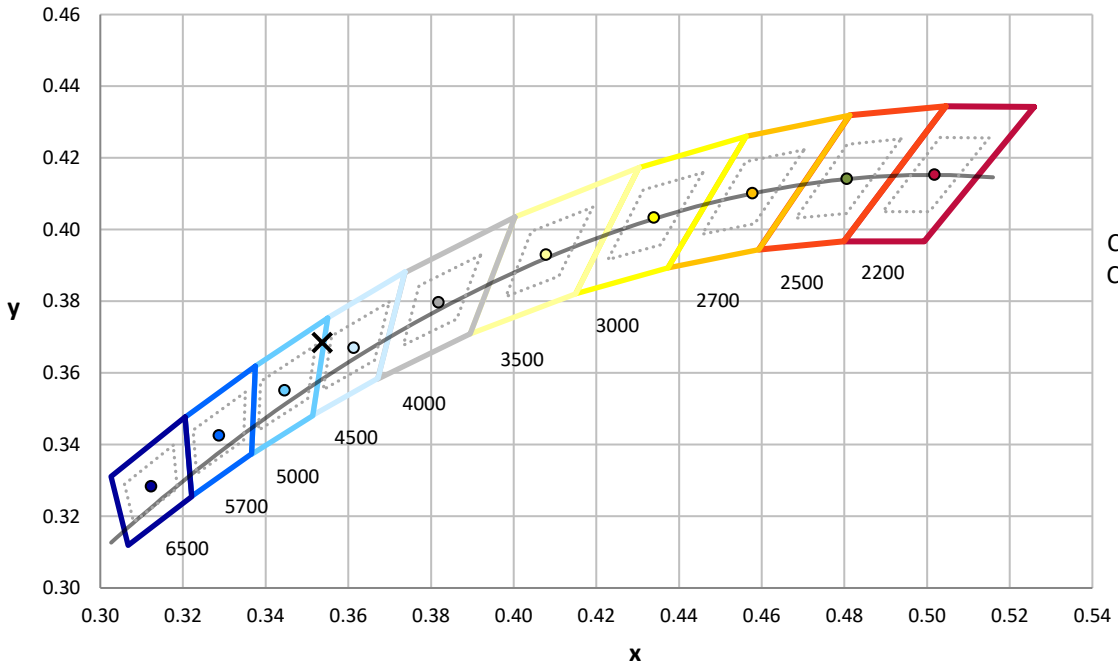
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



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

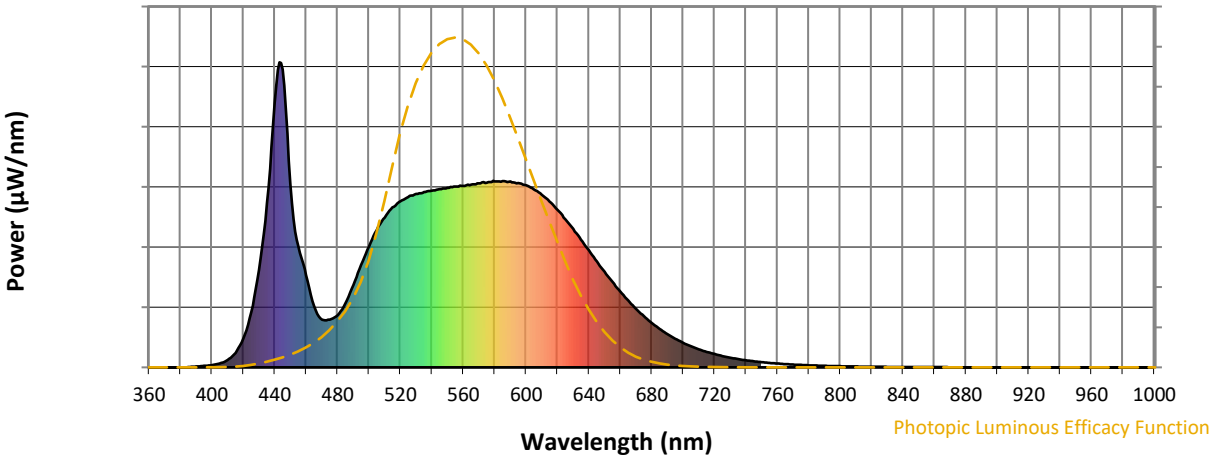


CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

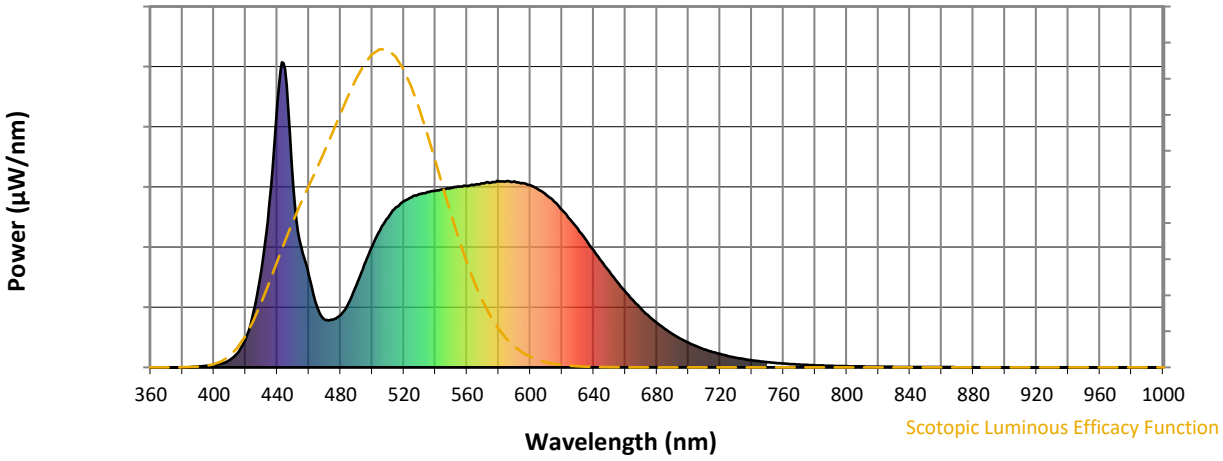


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength

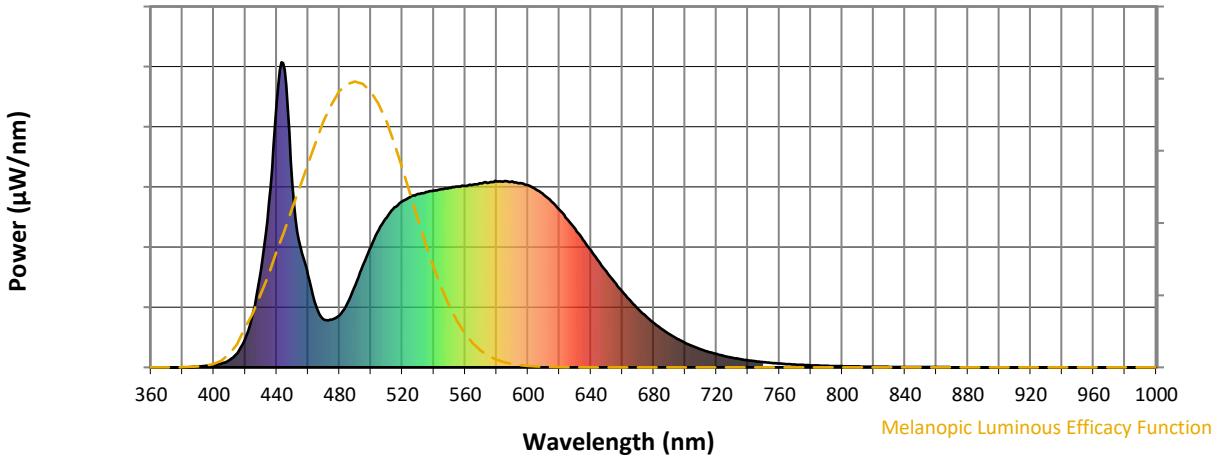


Scotopic Lumens: NR **S/P: 1.83**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

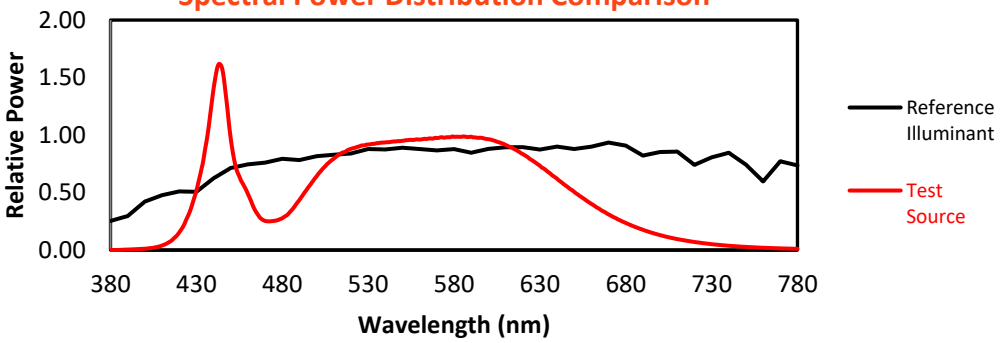
REPORT NUMBER: SP1-2407-184-12

TM-30-18

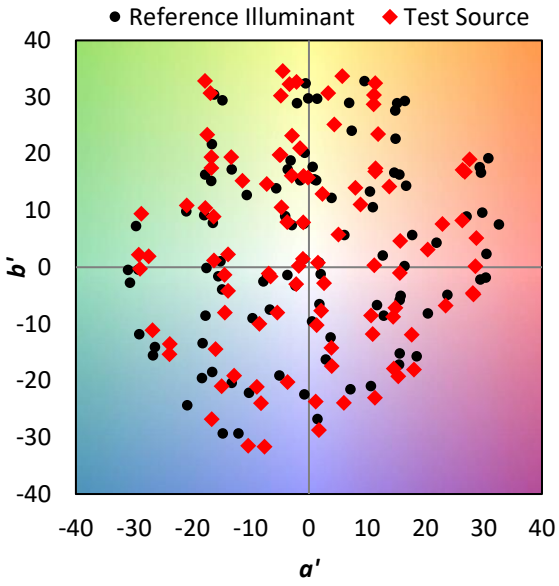
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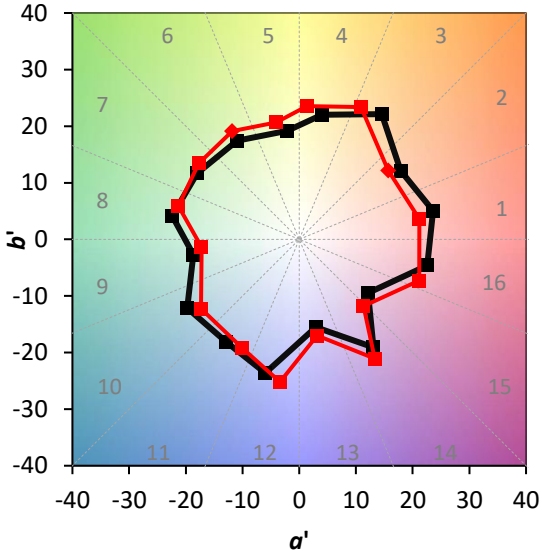
R_f = 82
R_g = 99.4
CIE R_a = 81.1
R_9 = 8.7

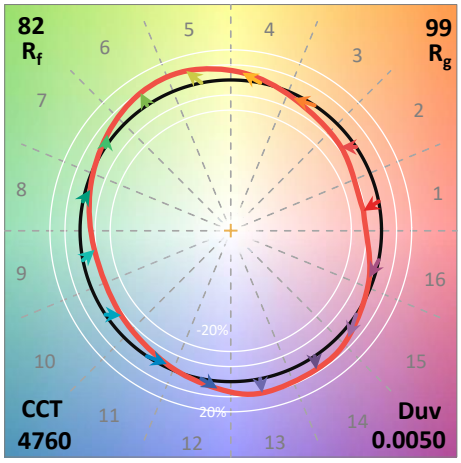
Spectral Power Distribution Comparison

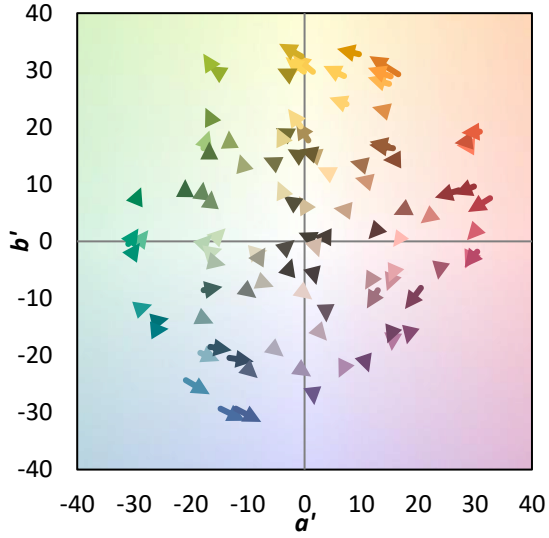


Color Vector Graphics







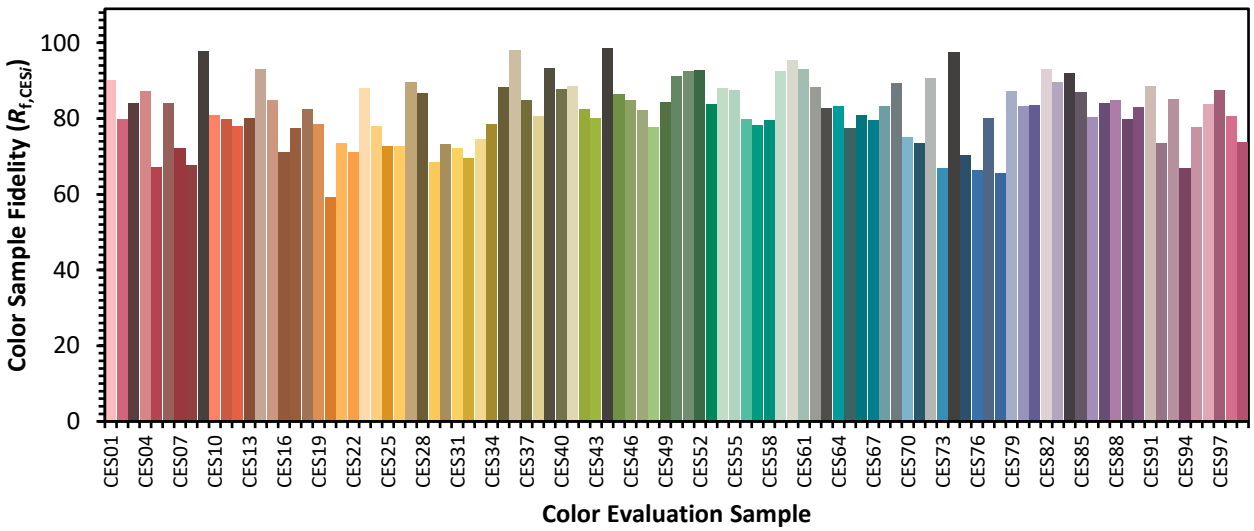


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Individual Sample Fidelity Index ($R_{f,i}$)

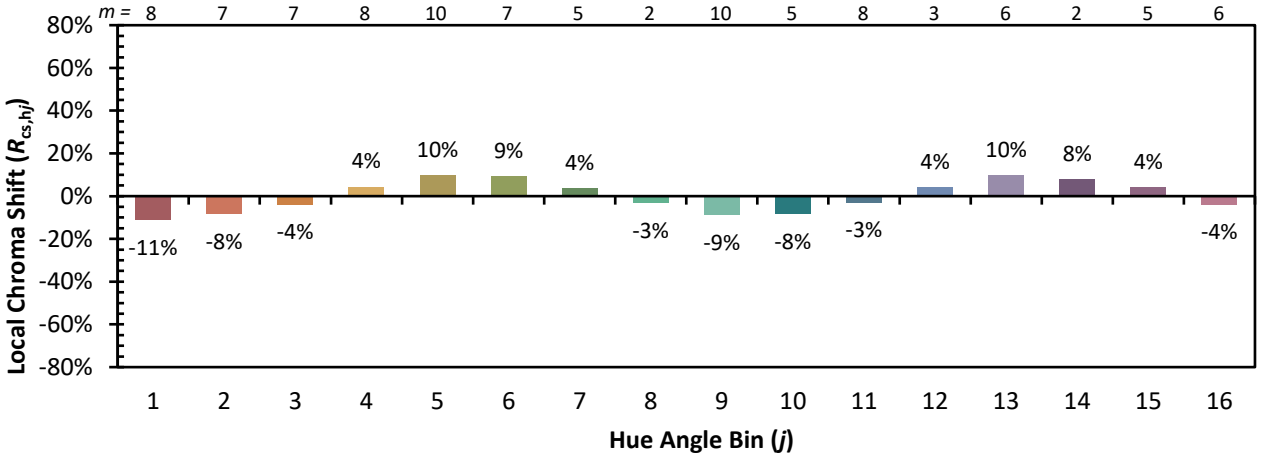
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	

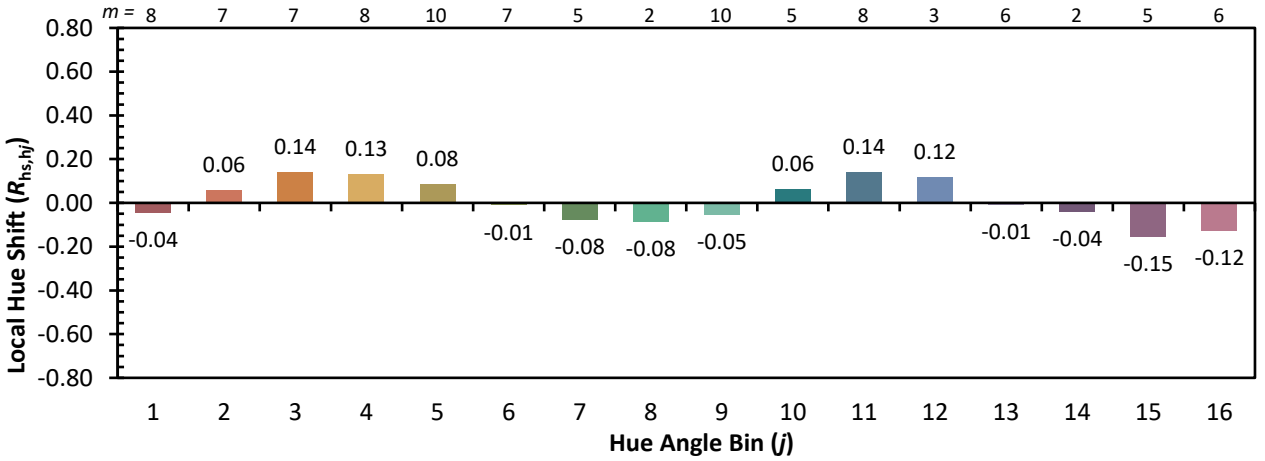


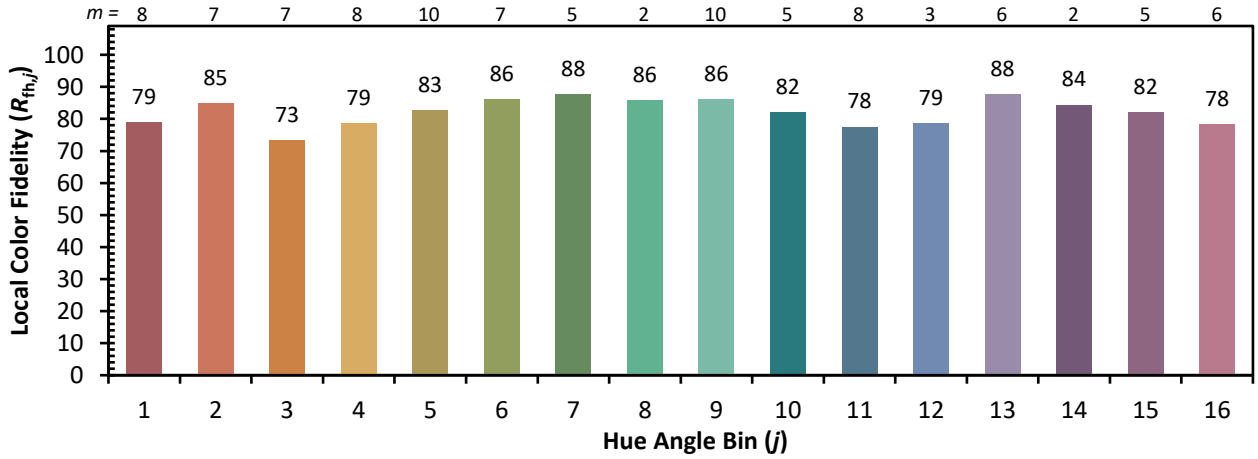
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Color Rendition by Hue-Angle Bin



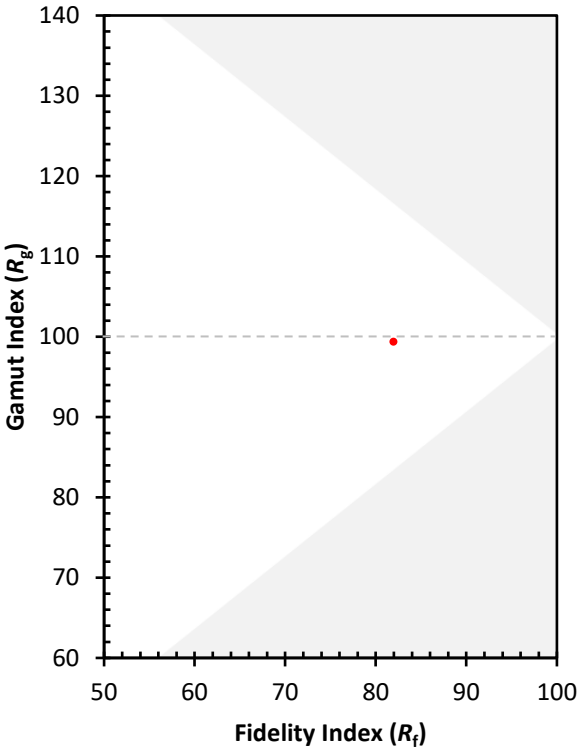


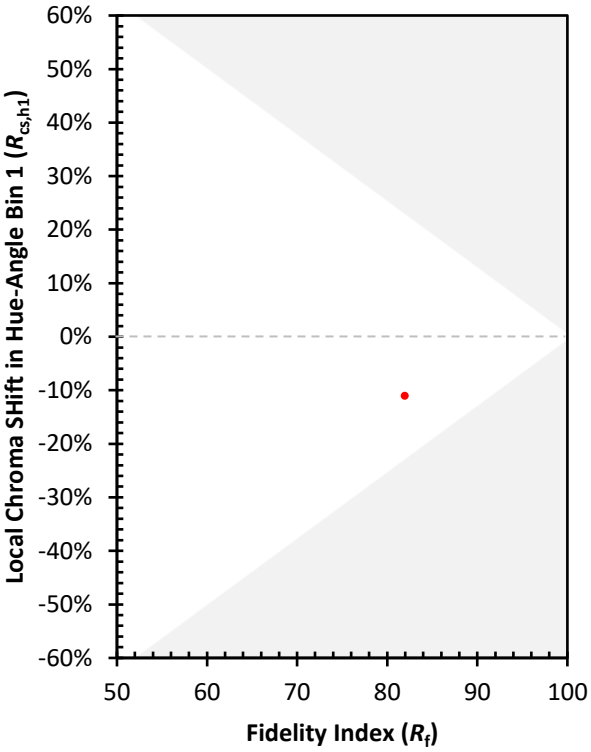


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Measure Comparisons





(END OF REPORT)