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: P1501538

Luminaire Tested: GSS-SB6B-830-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:	P1501538
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29457.9 lumens
Efficiency:	N/A
Efficacy:	134.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

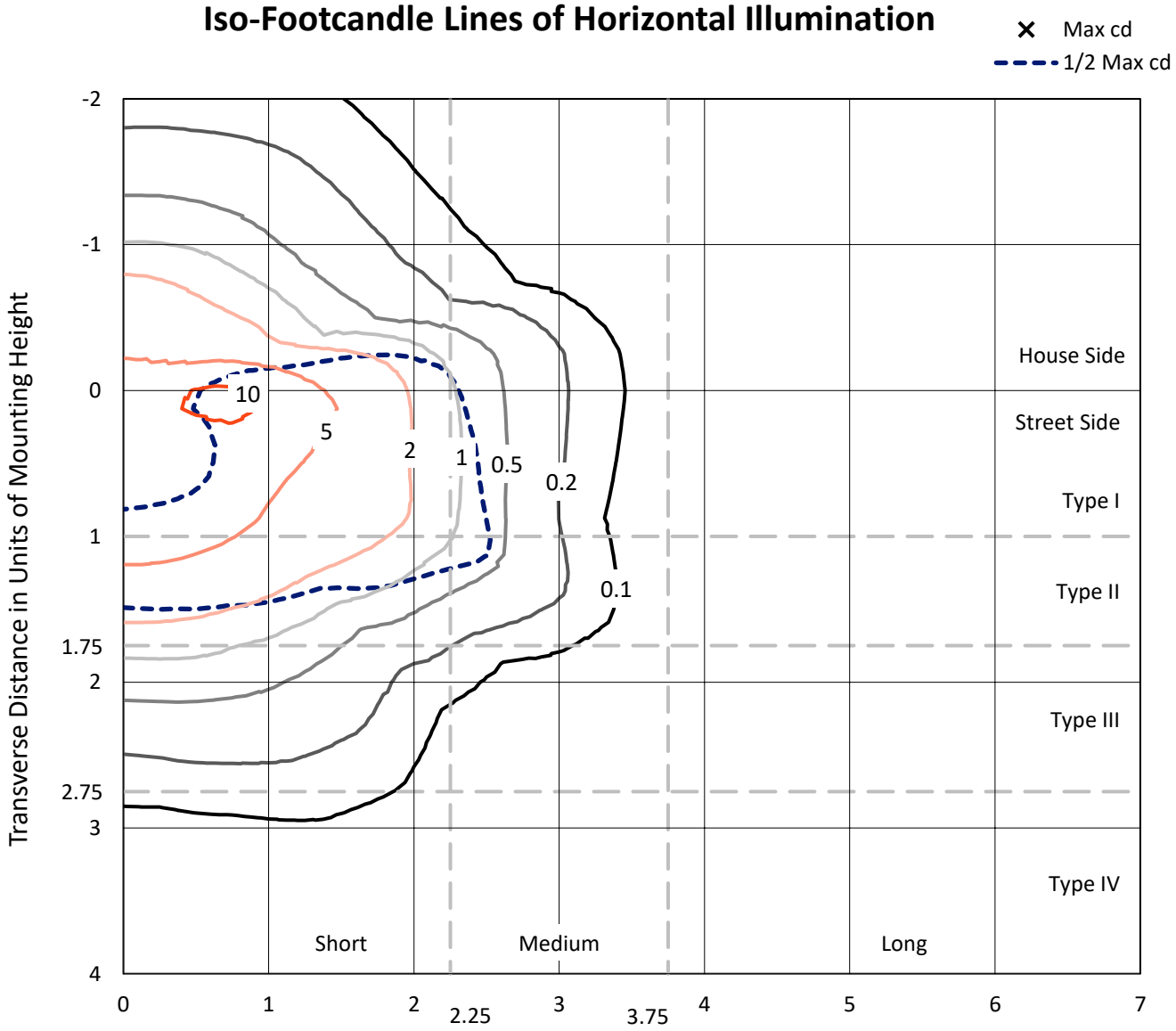
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



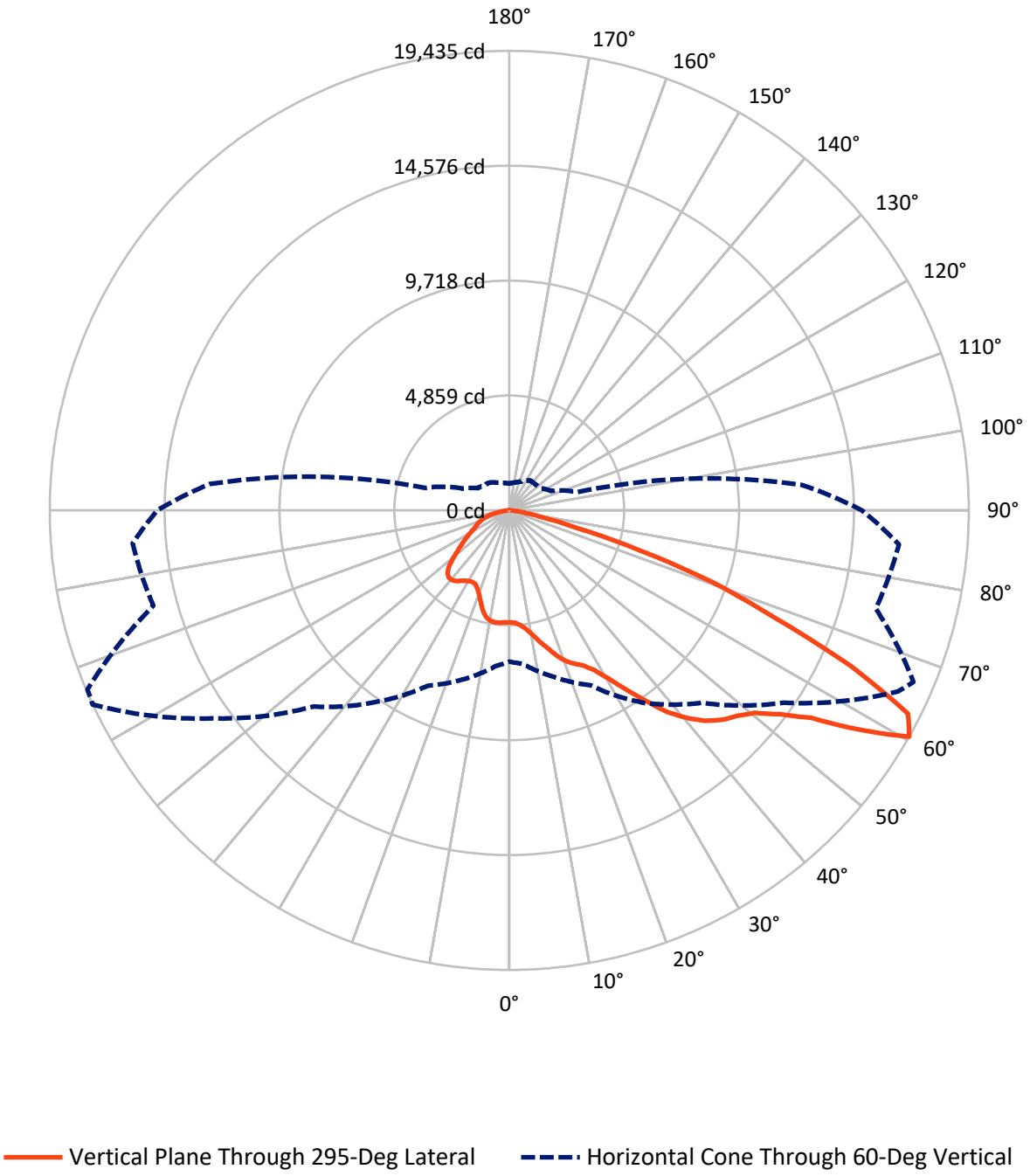
Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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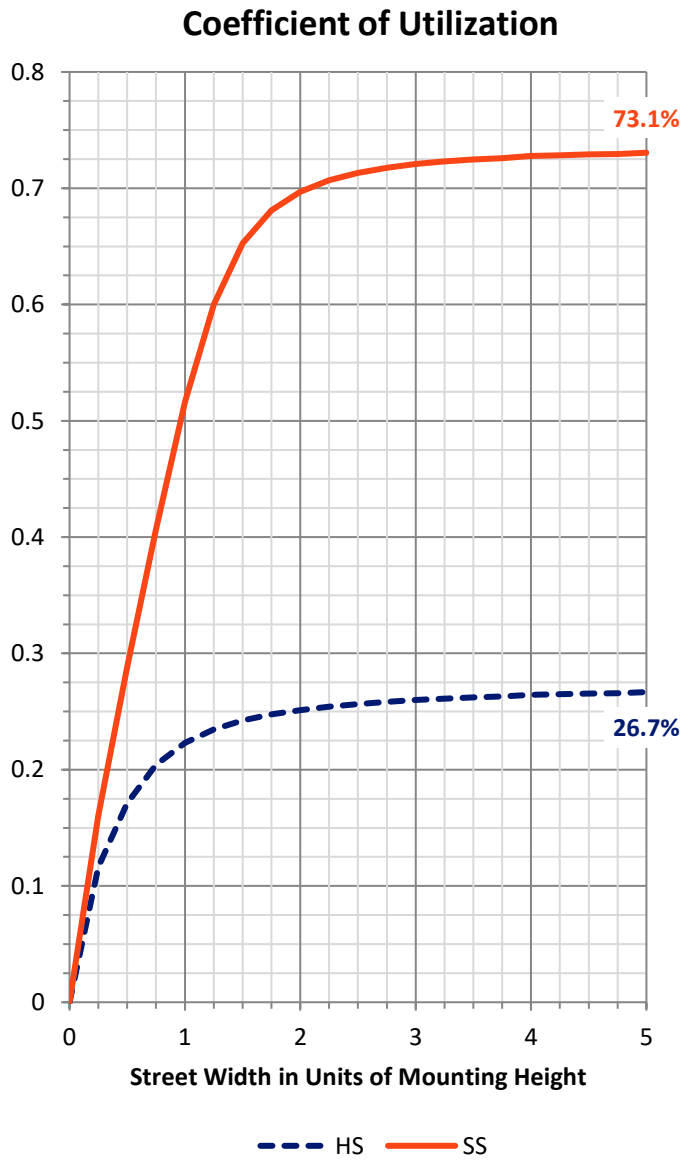
REPORT NUMBER: P1501538
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7921.6	0.0	7921.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	21536.3	0.0	21536.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	29457.9	0.0	29457.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.6	1.5
10°-20°	1281.1	4.3
20°-30°	2426.6	8.2
30°-40°	4277.9	14.5
40°-50°	6326.5	21.5
50°-60°	7429.1	25.2
60°-70°	5382.7	18.3
70°-80°	1660.0	5.6
80°-90°	228.5	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°	29457.9	100.0
0°-180°	29457.9	100.0



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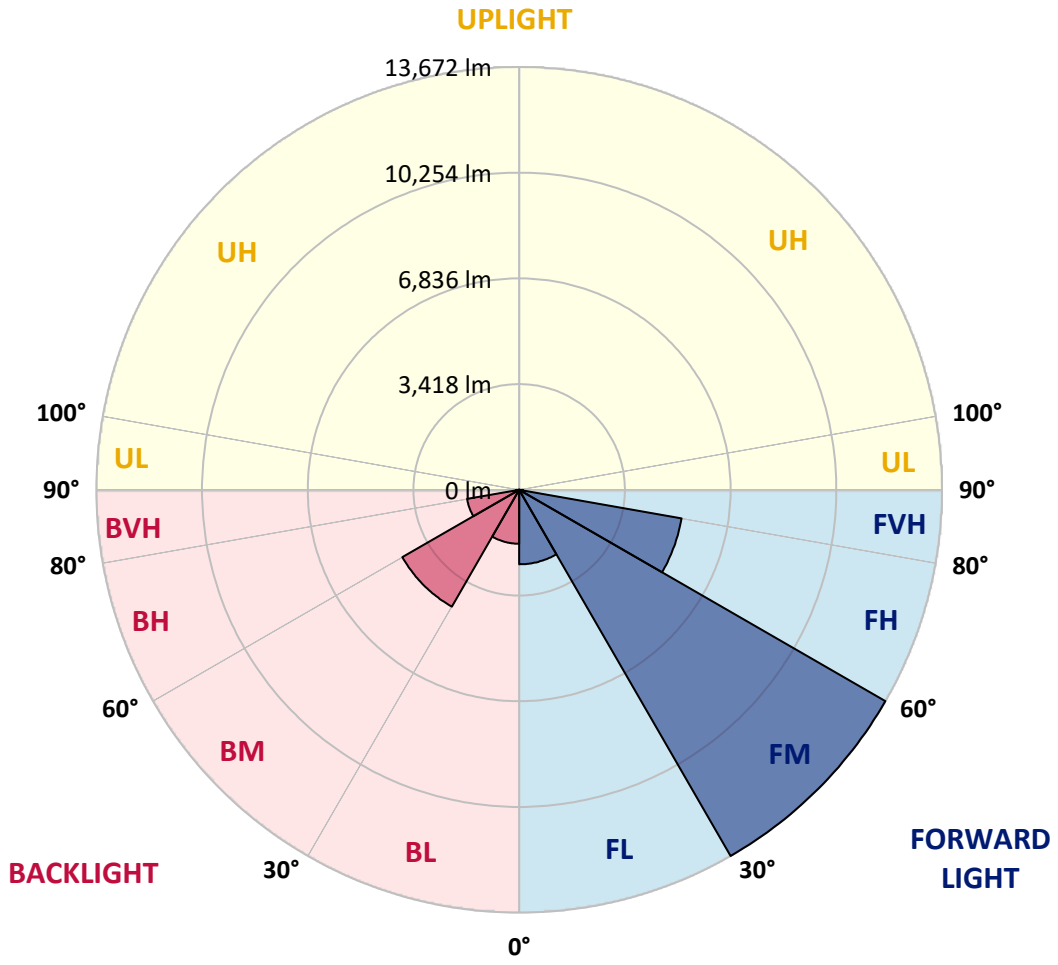
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2408.7	8.2			
FM	(30°-60°)	13671.6	46.4			
FH	(60°-80°)	5332.8	18.1			G3/7500
FVH	(80°-90°)	123.3	0.4			G2/225
BL	(0°-30°)	1744.6	5.9	B3/2500		
BM	(30°-60°)	4361.9	14.8	B3/5000		
BH	(60°-80°)	1709.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	105.2	0.4			G2/225
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°	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6
2.5°	4833.6	4847.1	4826.9	4840.3	4840.3	4820.2	4813.5	4786.6	4800.1	4793.3	4786.6
5°	4947.8	4954.5	4941.0	4961.2	4961.2	4967.9	4961.2	4927.6	4927.6	4927.6	4914.2
7.5°	4914.2	4914.2	4920.9	4988.0	5055.2	5142.4	5142.4	5129.0	5142.4	5135.7	5075.3
10°	4632.2	4659.1	4719.5	4887.3	5048.5	5236.4	5364.0	5404.3	5404.3	5411.0	5310.3
12.5°	4128.7	4148.9	4289.8	4545.0	4880.6	5223.0	5531.8	5733.2	5753.4	5786.9	5652.7
15°	3678.9	3692.4	3793.1	4054.9	4437.5	5041.7	5625.8	6042.0	6109.2	6250.2	6048.7
17.5°	3719.2	3712.5	3739.3	3840.0	4115.3	4746.4	5605.7	6404.6	6525.4	6773.8	6599.2
20°	3960.9	3960.9	3981.0	4001.2	4101.9	4531.5	5458.0	6699.9	6934.9	7418.3	7216.9
22.5°	4343.6	4343.6	4336.8	4370.4	4370.4	4625.5	5464.7	6921.5	7270.6	8136.6	7941.9
25°	4873.9	4847.1	4847.1	4860.5	4800.1	4981.3	5632.5	7149.7	7606.3	8989.2	8821.4
27.5°	5471.4	5491.5	5478.1	5431.1	5350.6	5491.5	6035.3	7505.6	7982.2	9888.8	9821.7
30°	6122.6	6129.3	6142.7	6115.9	6048.7	6149.5	6666.4	8042.6	8479.0	10828.7	10976.4
32.5°	6760.4	6854.4	6820.8	6753.7	6780.5	6961.8	7445.1	8767.7	9217.5	11701.4	12225.1
35°	7572.7	7606.3	7740.5	7492.1	7498.8	7807.7	8438.7	9721.0	10157.3	12607.7	13473.7
37.5°	8754.2	8814.7	8754.2	8364.9	8304.4	8734.1	9405.4	10660.8	10976.4	13292.5	14635.2
40°	9915.7	9989.5	10090.2	9633.7	9251.0	9606.8	10318.5	11379.2	11708.1	13668.4	15407.2
42.5°	10875.7	10996.5	10889.1	10754.8	10405.7	10472.9	10956.2	11936.4	12265.3	14145.1	16185.9
45°	11688.0	11708.1	11755.1	11661.1	11486.6	11426.2	11500.0	12426.5	12789.0	14359.9	16568.6
47.5°	12023.7	12110.9	12151.2	12312.3	12493.6	12372.7	11963.2	12654.7	12983.7	14346.5	16689.4
50°	11842.4	11929.7	12144.5	12527.2	12963.5	13178.4	12507.0	12970.2	13339.5	14588.2	16937.8
52.5°	11365.7	11459.7	11808.8	12245.2	12977.0	13467.0	13272.3	13628.1	13984.0	15017.8	17354.1
55°	10211.0	10352.0	10842.1	11567.1	12574.1	13312.6	14077.9	14594.9	14984.3	15534.7	17783.7
57.5°	8532.7	8680.4	9230.9	10318.5	11829.0	12674.8	14312.9	16407.5	16582.0	16152.4	17824.0
60°	*6391.1*	*6512.0*	*7290.7*	*8163.5*	*9935.8*	*11506.7*	*14178.6*	*18126.1*	*18569.2*	*16045.0*	*16541.8*
62.5°	5061.9	5209.6	5901.1	6303.9	7572.7	9506.1	13708.7	18602.8	18985.4	15158.8	14756.0
65°	3954.2	4054.9	4699.4	5276.7	5585.5	6491.8	11748.4	16273.2	16615.6	13715.4	12178.1
67.5°	2611.5	2765.9	3531.2	4323.4	4484.5	4128.7	8082.9	12520.4	12681.6	10902.5	9157.0
70°	1873.0	1946.9	2517.5	3363.4	3605.1	2765.9	4404.0	9479.3	9526.3	7317.6	6169.6
72.5°	1275.5	1289.0	1711.9	2577.9	2873.3	2007.3	2423.5	6243.4	6082.3	3611.8	3531.2
75°	866.0	879.5	1094.3	1718.6	2034.2	1396.4	1577.6	3403.7	3269.4	1993.9	2141.6
77.5°	584.1	597.5	751.9	1154.7	1356.1	966.7	1154.7	1799.2	1765.6	1322.5	1148.0
80°	443.1	463.2	557.2	738.5	946.6	563.9	657.9	852.6	866.0	704.9	584.1
82.5°	248.4	275.2	335.7	375.9	610.9	315.5	315.5	510.2	490.1	436.4	315.5
85°	107.4	114.1	134.3	141.0	248.4	134.3	114.1	221.5	228.3	214.8	100.7
87.5°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	26.9	26.9	26.9	26.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6
2.5°	4753.1	4793.3	4753.1	4732.9	4732.9	4699.4	4685.9	4685.9	4638.9	4659.1	4645.7
5°	4860.5	4873.9	4826.9	4766.5	4685.9	4618.8	4524.8	4404.0	4330.1	4323.4	4330.1
7.5°	5028.3	5035.0	4907.5	4773.2	4571.8	4330.1	4041.5	3806.5	3598.4	3564.8	3605.1
10°	5263.3	5249.9	5061.9	4746.4	4323.4	3813.2	3370.1	3155.3	3034.4	3027.7	3021.0
12.5°	5578.8	5491.5	5202.9	4632.2	3893.8	3303.0	3074.7	3061.3	3094.9	3121.7	3128.4
15°	5941.3	5827.2	5317.0	4410.7	3457.4	3115.0	3128.4	3242.6	3282.8	3309.7	3309.7
17.5°	6391.1	6243.4	5444.5	4095.2	3235.8	3155.3	3249.3	3356.7	3423.8	3450.7	3444.0
20°	6988.6	6679.8	5545.2	3793.1	3175.4	3222.4	3303.0	3410.4	3477.5	3511.1	3511.1
22.5°	7586.1	7203.4	5565.4	3584.9	3175.4	3229.1	3303.0	3410.4	3484.2	3517.8	3511.1
25°	8398.4	7874.8	5572.1	3437.2	3182.1	3195.6	3262.7	3356.7	3464.1	3497.7	3511.1
27.5°	9264.5	8613.3	5605.7	3403.7	3155.3	3148.6	3195.6	3282.8	3390.3	3477.5	3484.2
30°	10338.6	9445.7	5619.1	3437.2	3162.0	3074.7	3108.3	3195.6	3309.7	3397.0	3423.8
32.5°	11392.6	10217.8	5592.2	3511.1	3175.4	3027.7	3034.4	3088.2	3209.0	3269.4	3316.4
35°	12507.0	11036.8	5545.2	3611.8	3182.1	3007.6	2947.2	2974.0	3054.6	3061.3	3081.4
37.5°	13379.8	11647.7	5404.3	3746.1	3195.6	2933.7	2812.9	2792.8	2759.2	2692.1	2705.5
40°	14098.1	12057.2	5169.3	3813.2	3162.0	2846.5	2645.1	2551.1	2423.5	2322.8	2343.0
42.5°	14615.0	12332.5	4887.3	3826.6	3108.3	2698.8	2450.4	2289.3	2148.3	2040.9	2047.6
45°	14843.3	12305.6	4585.2	3725.9	2980.7	2517.5	2269.1	2114.7	1960.3	1846.2	1832.8
47.5°	14850.0	12043.8	4169.0	3484.2	2765.9	2309.4	2101.3	1933.5	1805.9	1725.3	1718.6
50°	14903.7	11896.1	3779.6	3135.1	2483.9	2087.9	1953.6	1785.8	1711.9	1597.8	1564.2
52.5°	15239.4	12137.8	3511.1	2752.5	2222.1	1926.7	1826.0	1678.3	1557.5	1483.7	1476.9
55°	15783.1	12554.0	3363.4	2463.8	1973.7	1772.3	1705.2	1577.6	1470.2	1396.4	1376.2
57.5°	15850.3	12768.8	3188.9	2195.3	1772.3	1651.5	1624.6	1483.7	1329.2	1275.5	1255.4
60°	*14910.4*	*12406.3*	*2974.0*	*1946.9*	*1624.6*	*1557.5*	*1544.1*	*1356.1*	*1228.5*	*1161.4*	*1134.6*
62.5°	13628.1	11500.0	2645.1	1718.6	1510.5	1463.5	1409.8	1262.1	1101.0	1027.1	1007.0
65°	11137.5	9667.3	2249.0	1564.2	1396.4	1342.7	1329.2	1127.8	1020.4	980.2	973.4
67.5°	8438.7	7767.4	1980.4	1450.1	1275.5	1255.4	1208.4	1141.3	1094.3	1047.3	1033.9
70°	5968.2	5605.7	1685.1	1302.4	1154.7	1121.1	1315.8	1242.0	1074.1	1013.7	1007.0
72.5°	3618.5	3517.8	1456.8	1168.1	993.6	1047.3	1215.1	1121.1	966.7	892.9	866.0
75°	2282.5	2087.9	1221.8	993.6	792.2	852.6	1060.7	1000.3	832.5	758.6	738.5
77.5°	1242.0	1154.7	919.7	812.3	624.3	691.5	926.4	825.7	664.6	725.0	644.5
80°	543.8	604.2	610.9	469.9	416.2	510.2	664.6	644.5	510.2	516.9	429.7
82.5°	261.8	342.4	396.1	322.2	235.0	302.1	443.1	369.2	342.4	322.2	308.8
85°	80.6	127.6	174.5	154.4	107.4	127.6	208.1	201.4	241.7	208.1	194.7
87.5°	26.9	26.9	20.1	20.1	20.1	26.9	33.6	20.1	6.7	6.7	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°	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6
2.5°	4638.9	4645.7	4645.7	4652.4	4652.4	4672.5	4699.4	4726.2	4706.1	4732.9	4739.6
5°	4316.7	4350.3	4377.1	4477.8	4558.4	4625.5	4699.4	4766.5	4786.6	4800.1	4833.6
7.5°	3558.1	3652.1	3826.6	4054.9	4310.0	4558.4	4726.2	4900.8	4927.6	4961.2	5008.2
10°	3027.7	3068.0	3188.9	3423.8	3880.3	4370.4	4779.9	5055.2	5169.3	5236.4	5283.4
12.5°	3115.0	3088.2	3068.0	3101.6	3397.0	4028.0	4746.4	5276.7	5491.5	5565.4	5625.8
15°	3323.1	3296.3	3222.4	3128.4	3162.0	3665.5	4632.2	5484.8	5827.2	5948.0	6075.6
17.5°	3444.0	3417.1	3356.7	3256.0	3168.7	3363.4	4417.4	5672.8	6357.6	6505.3	6686.5
20°	3511.1	3484.2	3423.8	3323.1	3222.4	3249.3	4142.2	5907.8	6961.8	7196.7	7465.3
22.5°	3524.5	3491.0	3423.8	3323.1	3262.7	3242.6	3880.3	6048.7	7613.0	7975.5	8284.3
25°	3517.8	3457.4	3370.1	3296.3	3262.7	3256.0	3699.1	6129.3	8317.9	8895.2	9244.3
27.5°	3470.8	3397.0	3309.7	3256.0	3242.6	3282.8	3618.5	6223.3	9143.6	9882.1	10439.3
30°	3417.1	3309.7	3202.3	3182.1	3215.7	3343.3	3685.6	6256.9	10009.6	10956.2	11526.9
32.5°	3276.1	3195.6	3088.2	3081.4	3162.0	3390.3	3840.0	6209.9	10775.0	12030.4	12748.7
35°	3074.7	3027.7	2967.3	2987.5	3115.0	3430.5	3947.5	6062.2	11473.2	13030.7	13869.8
37.5°	2718.9	2752.5	2786.1	2833.0	2994.2	3423.8	3994.5	5827.2	12050.5	13829.5	14903.7
40°	2322.8	2437.0	2544.4	2665.2	2880.0	3370.1	4007.9	5538.5	12386.2	14433.8	15823.4
42.5°	2074.4	2181.8	2316.1	2490.7	2725.6	3249.3	3994.5	5216.3	12493.6	14850.0	16407.5
45°	1846.2	1973.7	2141.6	2322.8	2591.4	3074.7	3873.6	4867.2	12547.3	15044.7	16655.9
47.5°	1725.3	1799.2	1953.6	2134.9	2416.8	2859.9	3638.6	4612.1	12466.7	15085.0	16958.0
50°	1584.4	1685.1	1785.8	1960.3	2235.6	2591.4	3356.7	4464.4	12601.0	15481.0	17434.6
52.5°	1476.9	1530.6	1638.1	1799.2	2000.6	2343.0	3088.2	4343.6	12970.2	15883.8	17931.4
55°	1396.4	1456.8	1523.9	1658.2	1812.6	2094.6	2812.9	4162.3	13399.9	16313.5	18428.2
57.5°	1268.8	1309.1	1403.1	1544.1	1644.8	1852.9	2490.7	3947.5	13366.3	15977.8	17568.9
60°	*1154.7*	*1195.0*	*1295.7*	*1436.7*	*1497.1*	*1638.1*	*2175.1*	*3672.2*	*12721.8*	*14883.5*	*15984.5*
62.5°	1027.1	1074.1	1195.0	1295.7	1349.4	1456.8	1846.2	3168.7	11379.2	13238.8	14131.7
65°	973.4	1000.3	1080.9	1201.7	1195.0	1295.7	1557.5	2490.7	9157.0	10117.1	10929.4
67.5°	1033.9	1074.1	1060.7	1094.3	1074.1	1127.8	1396.4	2000.6	7196.7	7619.7	8089.6
70°	1020.4	1114.4	1161.4	1094.3	939.9	1000.3	1208.4	1597.8	5149.2	5108.9	5088.7
72.5°	892.9	986.9	1121.1	1188.3	919.7	832.5	1047.3	1383.0	3303.0	3289.6	2974.0
75°	758.6	825.7	986.9	1074.1	792.2	671.3	899.6	1174.8	1973.7	2000.6	1785.8
77.5°	698.2	664.6	825.7	946.6	644.5	516.9	725.0	886.2	1087.6	1101.0	1020.4
80°	503.5	483.4	617.6	691.5	490.1	369.2	409.5	550.5	584.1	523.6	543.8
82.5°	322.2	329.0	369.2	443.1	302.1	201.4	282.0	369.2	315.5	255.1	302.1
85°	208.1	235.0	194.7	228.3	94.0	94.0	120.8	161.1	107.4	73.8	80.6
87.5°	0.0	0.0	13.4	26.9	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: P1501538
CATALOG NUMBER: GSS-SB6B-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4739.6	4739.6	*4739.6*	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6	4739.6
2.5°	4759.8	4753.1	*4753.1*	4766.5	4800.1	4813.5	4833.6	4826.9	4847.1	4833.6
5°	4853.8	4860.5	*4880.6*	4887.3	4907.5	4934.3	4941.0	4934.3	4947.8	4947.8
7.5°	5041.7	5068.6	*5055.2*	5088.7	5061.9	5028.3	4974.6	4934.3	4900.8	4914.2
10°	5357.3	5343.8	*5337.1*	5276.7	5155.9	4981.3	4840.3	4685.9	4659.1	4632.2
12.5°	5706.4	5692.9	*5692.9*	5484.8	5142.4	4779.9	4457.7	4216.0	4135.4	4128.7
15°	6196.4	6109.2	*6028.6*	5592.2	4907.5	4289.8	3913.9	3725.9	3678.9	3678.9
17.5°	6807.4	6579.1	*6444.8*	5511.7	4524.8	3967.6	3746.1	3699.1	3685.6	3719.2
20°	7566.0	6988.6	*6793.9*	5330.4	4383.8	4007.9	3900.5	3907.2	3913.9	3960.9
22.5°	8398.4	7364.6	*7042.3*	5330.4	4524.8	4263.0	4209.3	4283.1	4303.3	4343.6
25°	9324.9	7700.2	*7263.9*	5612.4	4941.0	4746.4	4679.2	4753.1	4806.8	4873.9
27.5°	10365.4	8049.3	*7646.5*	6122.6	5478.1	5357.3	5283.4	5317.0	5390.8	5471.4
30°	11298.6	8633.4	*8230.6*	6901.3	6209.9	6062.2	5934.6	5988.3	6068.9	6122.6
32.5°	12124.4	9345.0	*9002.6*	7720.4	7049.0	6793.9	6653.0	6639.5	6800.6	6760.4
35°	12883.0	10184.2	*9855.2*	8653.5	7901.6	7586.1	7398.1	7639.8	7532.4	7572.7
37.5°	13480.5	11056.9	*10795.1*	9546.4	8787.8	8358.2	8244.0	8539.4	8707.2	8754.2
40°	13970.5	11815.5	*11540.3*	10432.6	9600.1	9284.6	9465.9	9955.9	9935.8	9915.7
42.5°	14346.5	12466.7	*12164.6*	11103.9	10378.9	10439.3	10580.3	10909.2	10989.8	10875.7
45°	14514.3	12876.3	*12634.6*	11634.3	11265.0	11614.1	11674.6	11815.5	11761.8	11688.0
47.5°	14709.0	13238.8	*12983.7*	12117.6	12225.1	12567.4	12446.6	12332.5	12137.8	12023.7
50°	15038.0	13668.4	*13453.6*	12822.5	13211.9	13097.8	12627.9	12372.7	11976.7	11842.4
52.5°	15662.3	14480.7	*14319.6*	13937.0	13675.1	13017.2	12446.6	11990.1	11547.0	11365.7
55°	16219.5	15581.7	*15487.8*	14977.5	13534.2	12594.3	11829.0	11124.1	10365.4	10211.0
57.5°	16541.8	17407.8	*17515.2*	15420.6	12889.7	11634.3	10506.4	9378.6	8660.3	8532.7
60°	*15581.7*	*19381.5*	*19435.2*	*15333.3*	*11728.3*	*9902.2*	*8183.6*	*7384.7*	*6612.7*	*6391.1*
62.5°	14259.2	18972.0	*18925.0*	14809.7	9338.3	7223.6	6216.6	5840.6	5243.1	5061.9
65°	12258.6	15803.3	*15857.0*	12795.7	6209.9	5223.0	5223.0	4746.4	4081.7	3954.2
67.5°	9989.5	12184.8	*12063.9*	8297.7	3813.2	4182.4	4383.8	3699.1	2765.9	2611.5
70°	6491.8	9304.7	*9136.9*	4786.6	2396.7	3484.2	3450.7	2779.3	1980.4	1873.0
72.5°	2792.8	5377.4	*5719.8*	2443.7	1805.9	2806.2	2752.5	1946.9	1322.5	1275.5
75°	1685.1	2705.5	*2947.2*	1557.5	1315.8	2114.7	1906.6	1235.3	899.6	866.0
77.5°	1067.4	1483.7	*1470.2*	1168.1	986.9	1429.9	1282.3	852.6	610.9	584.1
80°	617.6	731.8	*758.6*	731.8	664.6	1020.4	819.0	617.6	476.6	443.1
82.5°	396.1	456.5	*463.2*	355.8	369.2	657.9	443.1	362.5	275.2	248.4
85°	174.5	194.7	*188.0*	120.8	120.8	268.5	154.4	147.7	107.4	107.4
87.5°	6.7	13.4	*6.7*	6.7	6.7	26.9	13.4	20.1	20.1	20.1
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

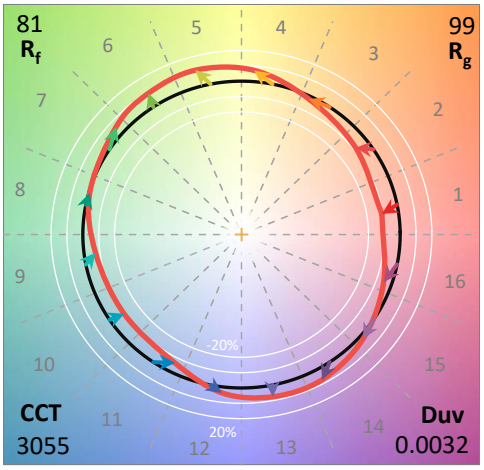
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

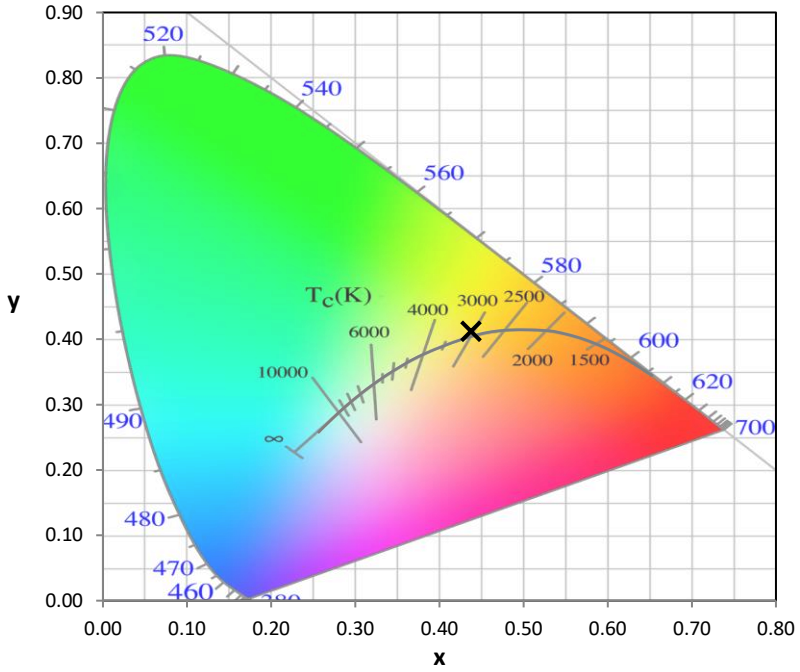
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

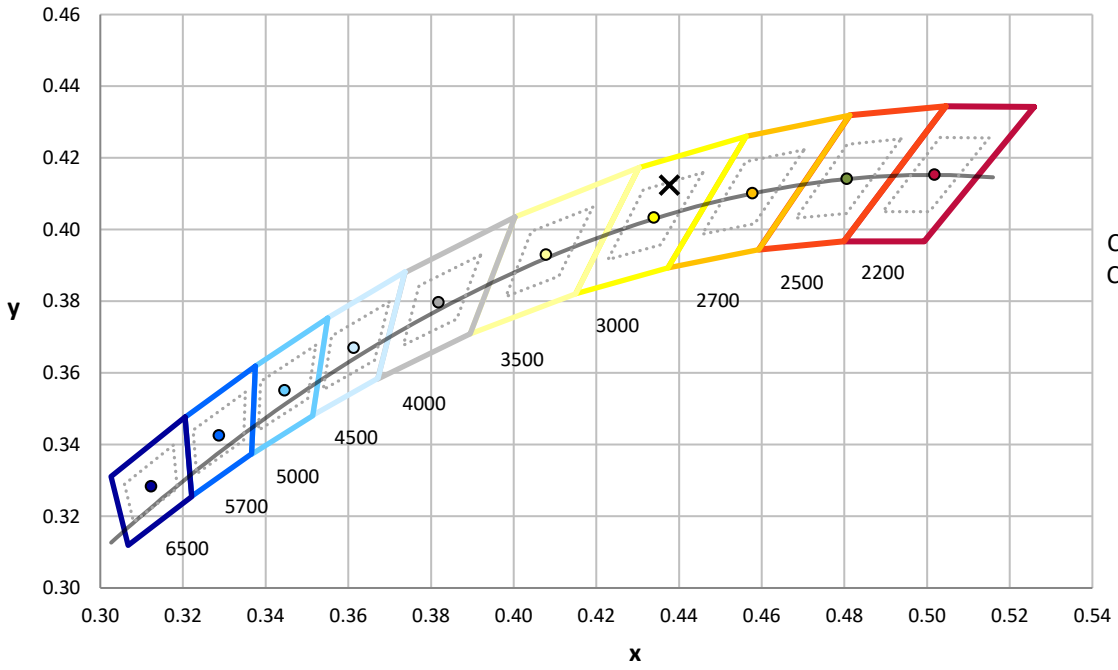
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

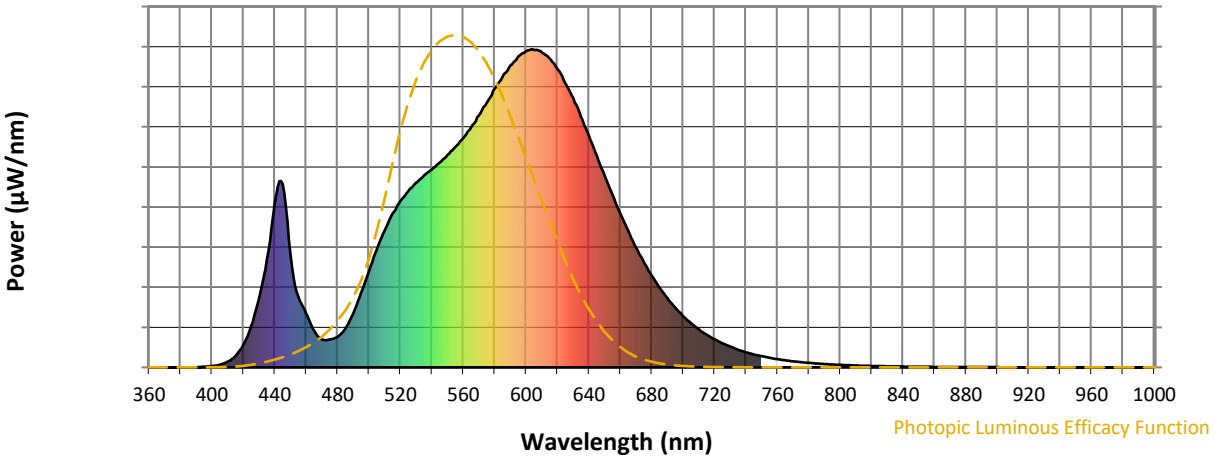


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

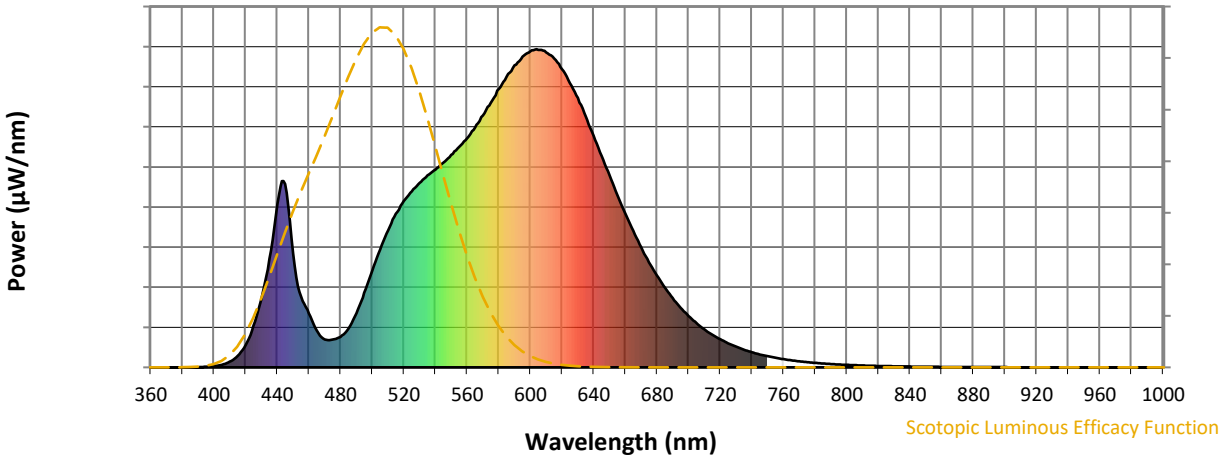


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

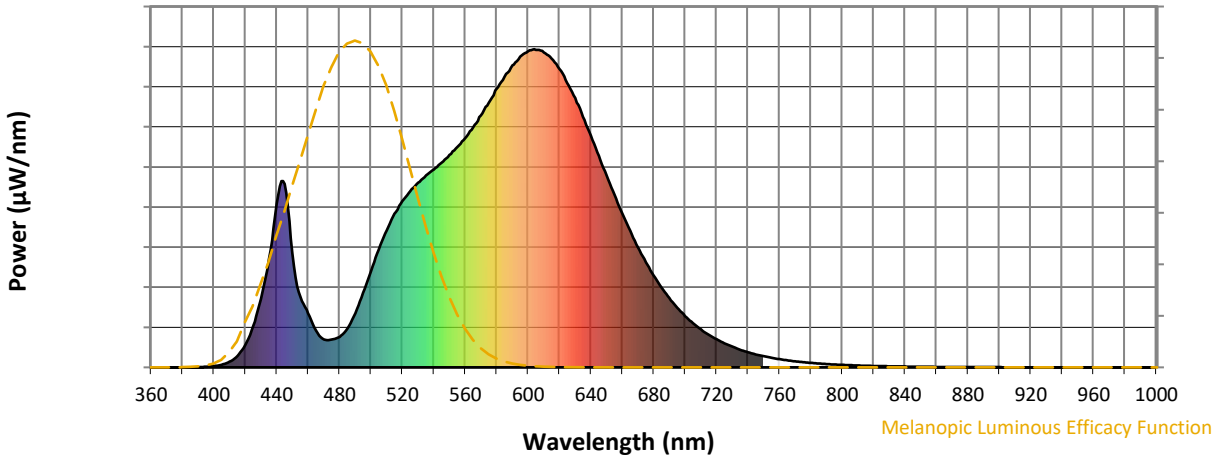


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

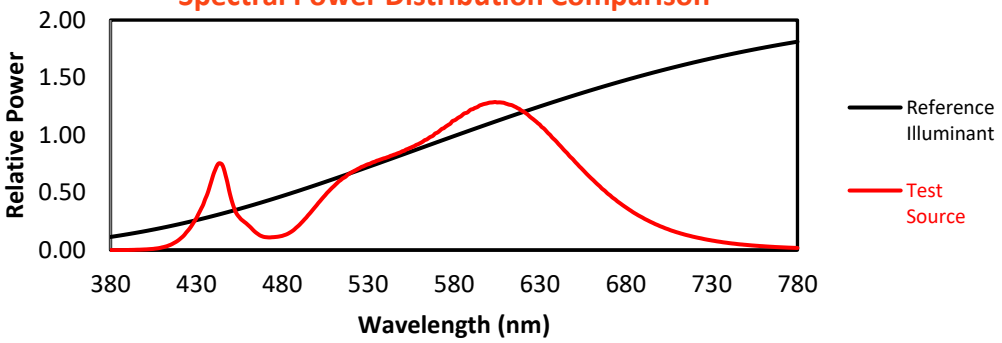
REPORT NUMBER: SP1-2407-184-9

TM-30-18

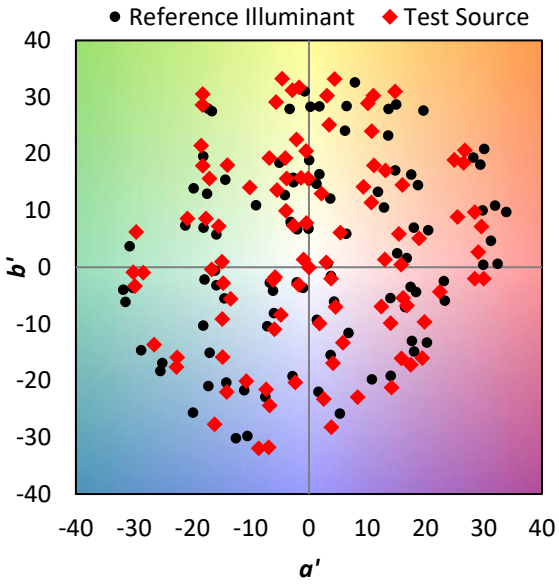
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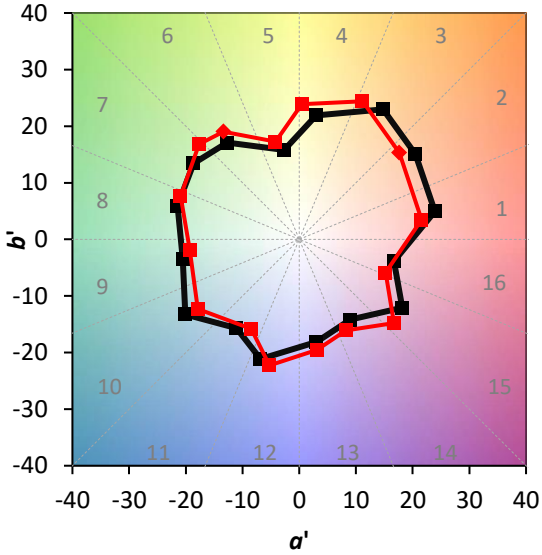
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

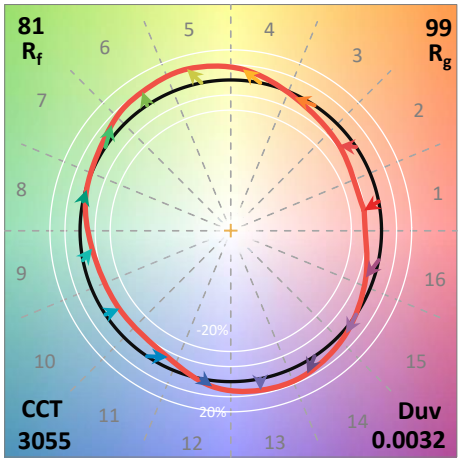
Spectral Power Distribution Comparison

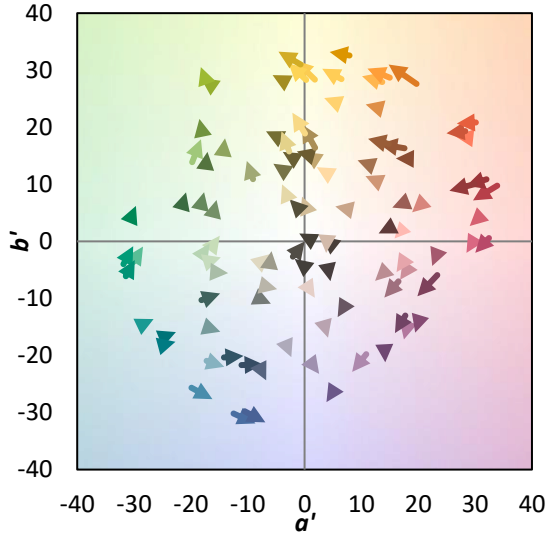


Color Vector Graphics







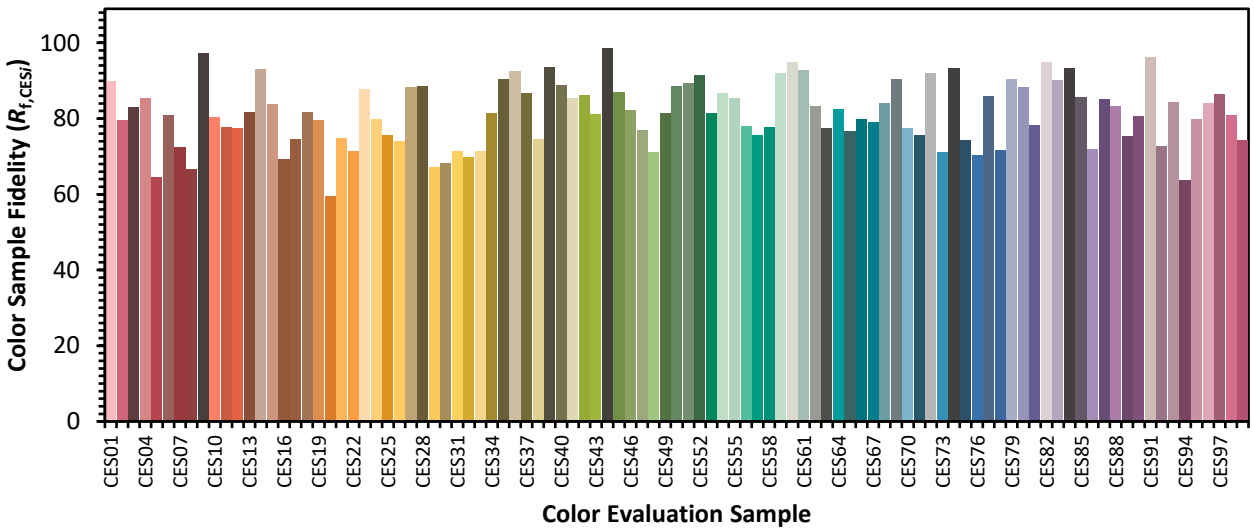


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Individual Sample Fidelity Index ($R_{f,i}$)

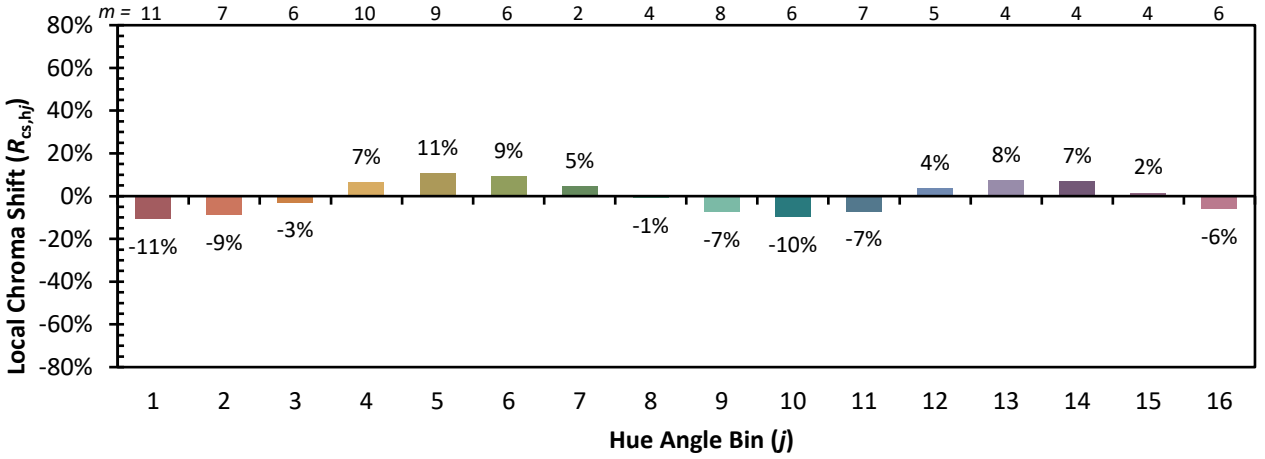
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

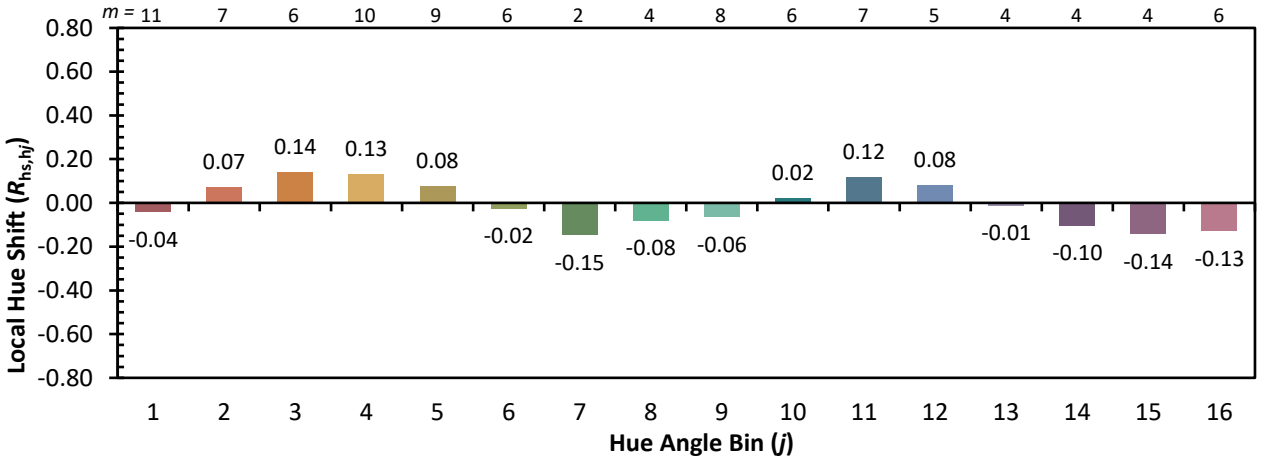


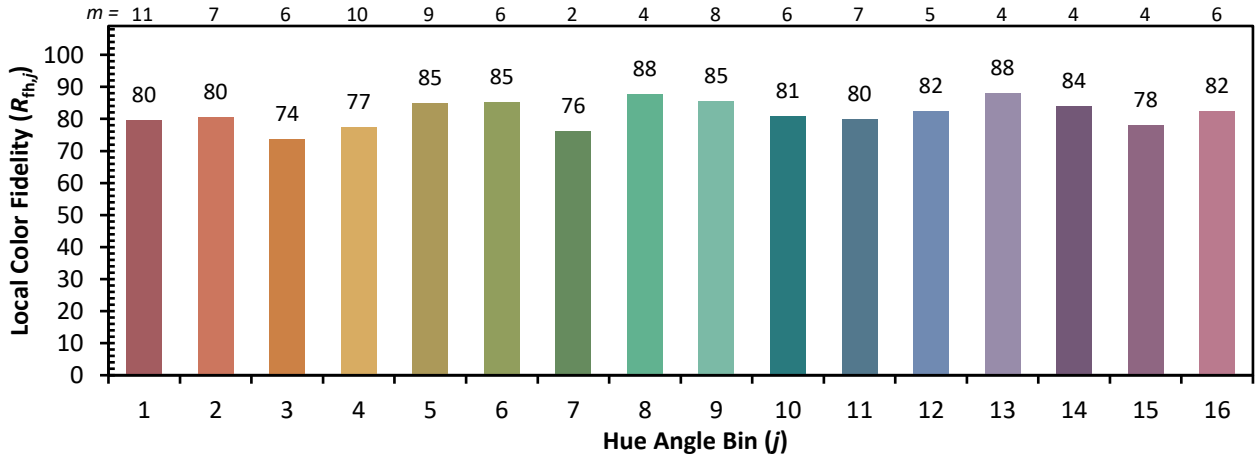
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Color Rendition by Hue-Angle Bin



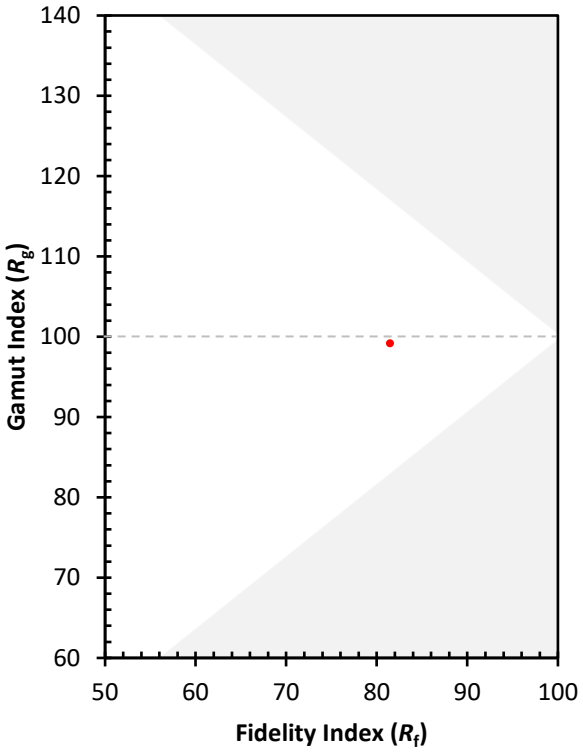


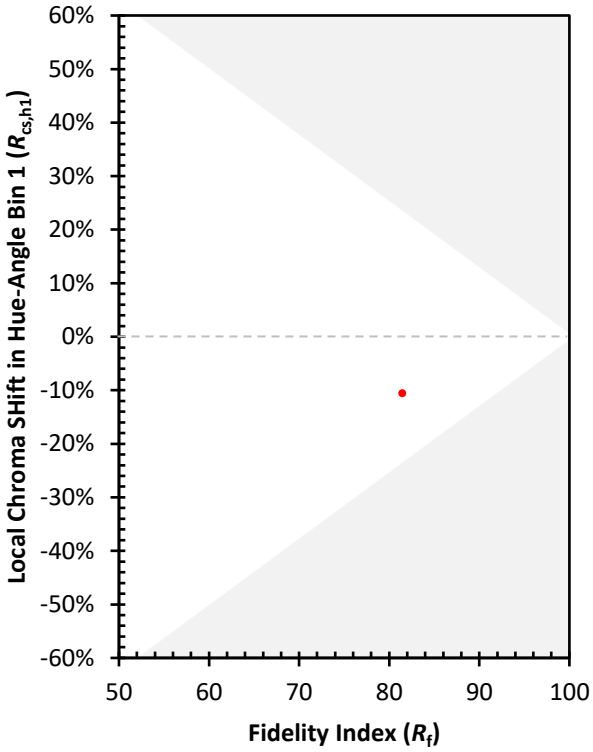


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Measure Comparisons





(END OF REPORT)