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: P1501586

Luminaire Tested: GSS-SB6B-840-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:	P1501586
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-840-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31366.3 lumens
Efficiency:	N/A
Efficacy:	143.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

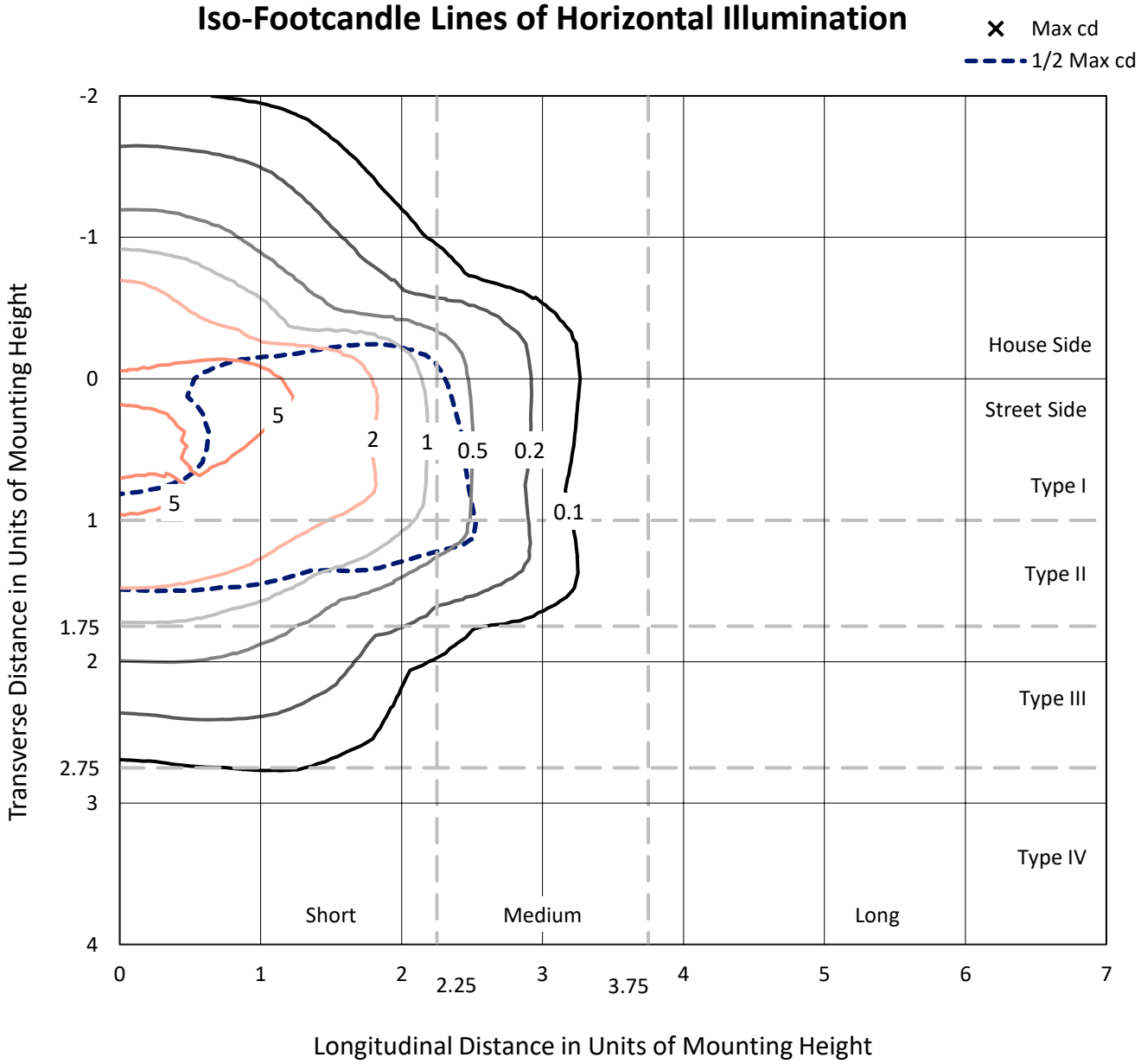
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



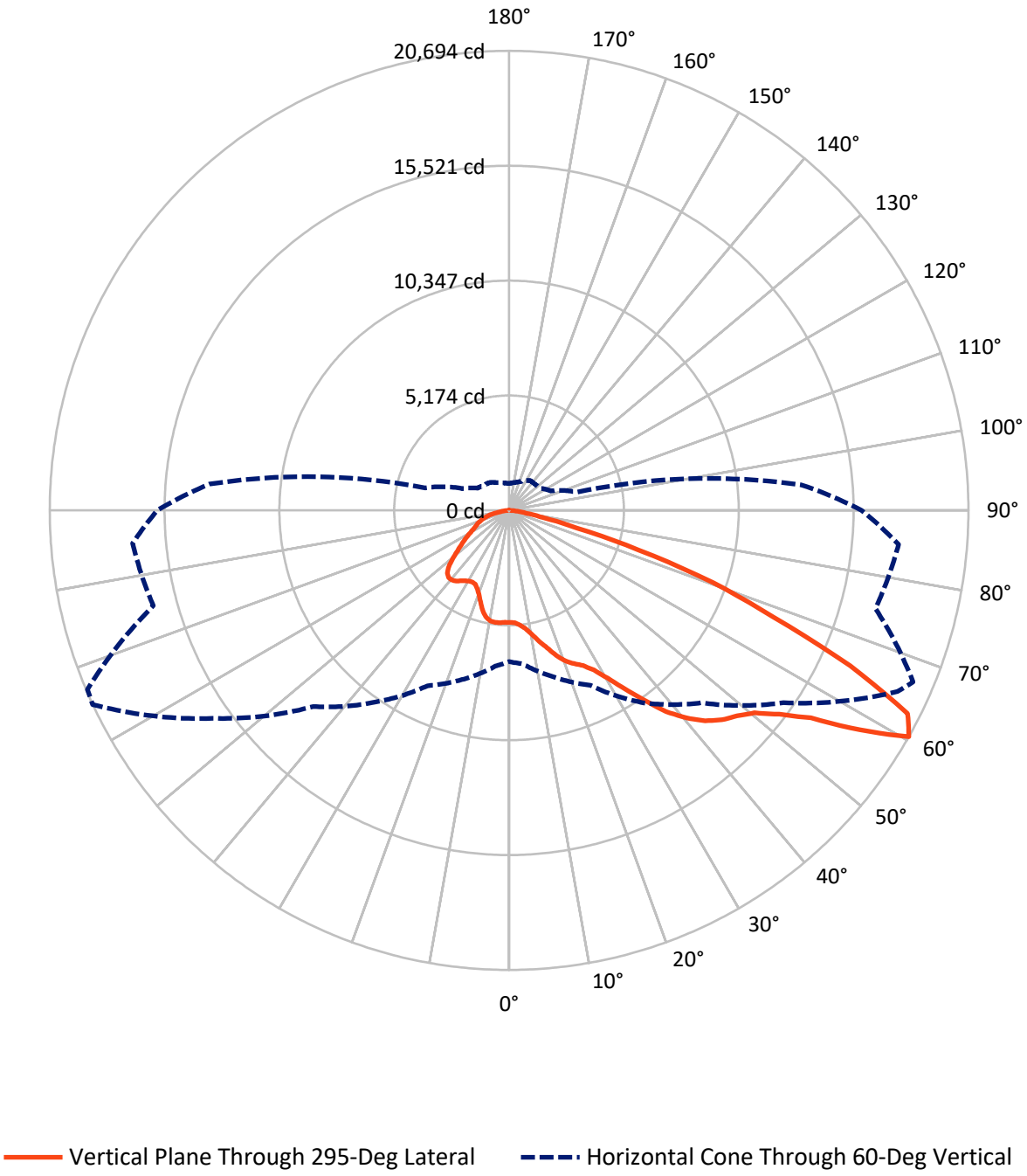
Based on 30 foot mounting height. Maximum calculated value = 8.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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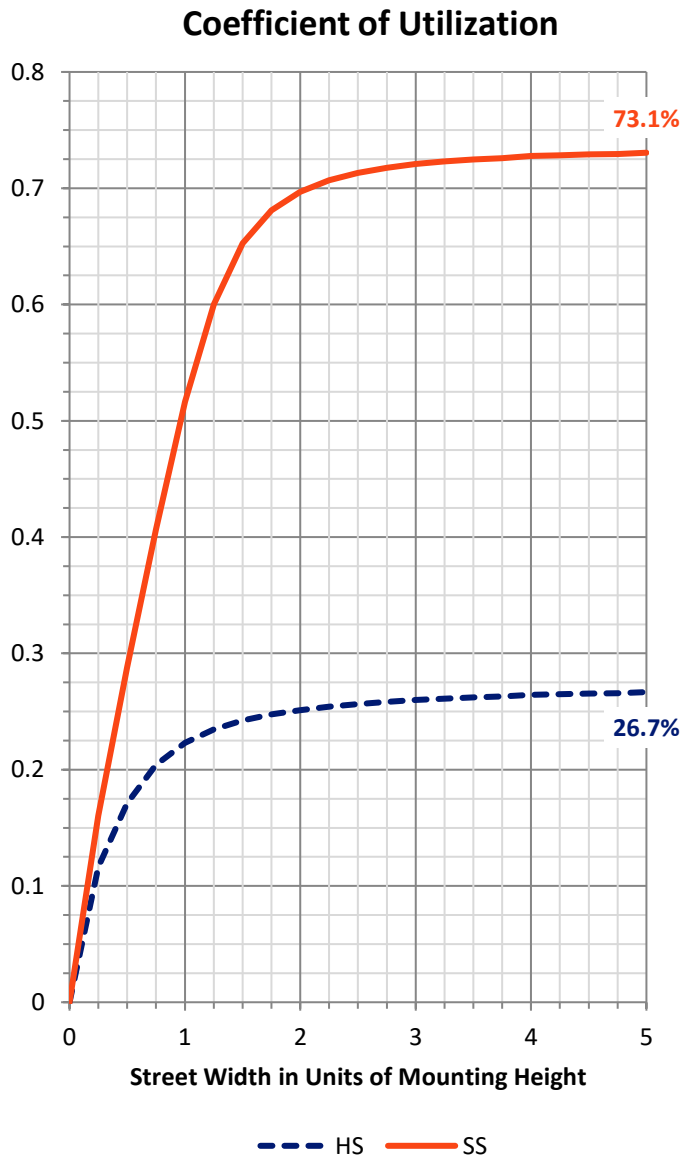
REPORT NUMBER: P1501586
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8434.8	0.0	8434.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	22931.5	0.0	22931.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	31366.3	0.0	31366.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.5	1.5
10°-20°	1364.1	4.3
20°-30°	2583.7	8.2
30°-40°	4555.0	14.5
40°-50°	6736.4	21.5
50°-60°	7910.3	25.2
60°-70°	5731.4	18.3
70°-80°	1767.5	5.6
80°-90°	243.3	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°	31366.3	100.0
0°-180°	31366.3	100.0



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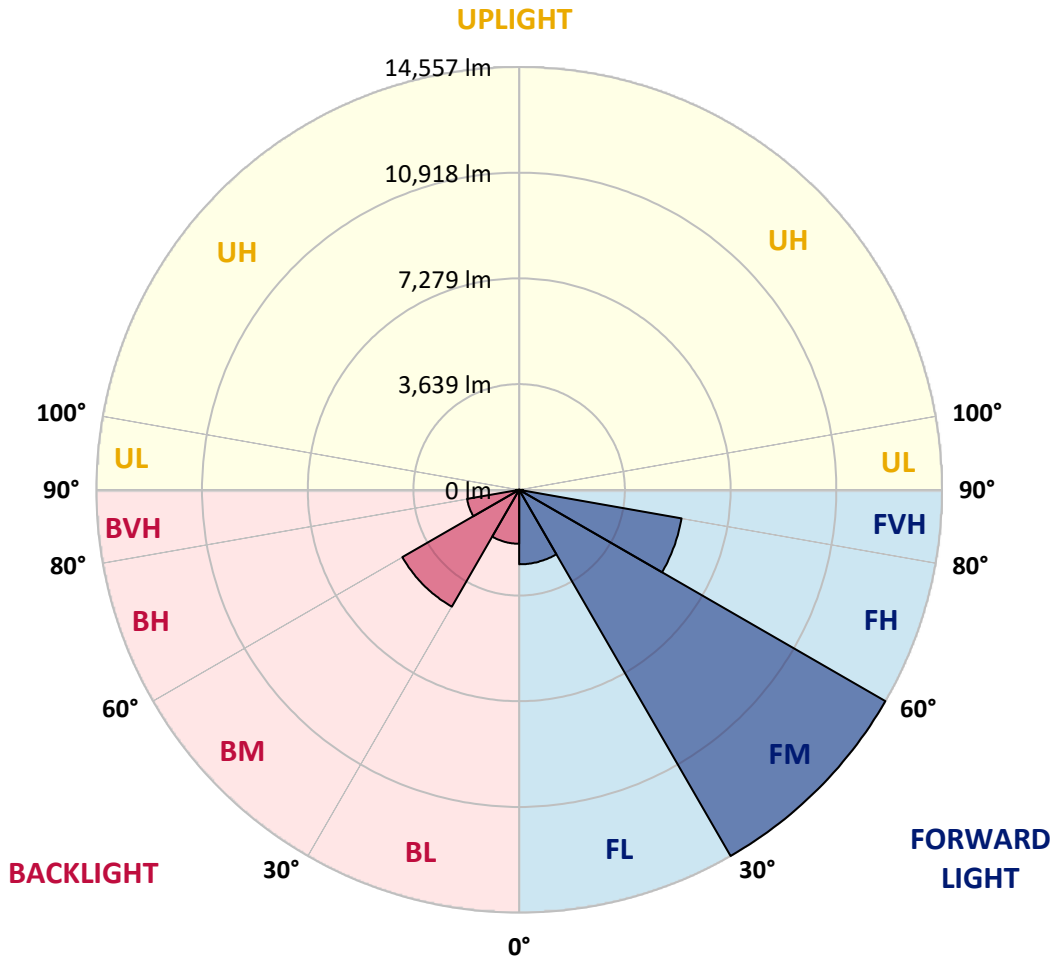
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2564.7	8.2			
FM	(30°-60°)	14557.3	46.4			
FH	(60°-80°)	5678.3	18.1			G3/7500
FVH	(80°-90°)	131.2	0.4			G2/225
BL	(0°-30°)	1857.6	5.9	B3/2500		
BM	(30°-60°)	4644.4	14.8	B3/5000		
BH	(60°-80°)	1820.6	5.8	B3/2500		G3/2500
BVH	(80°-90°)	112.1	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°	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7
2.5°	5146.8	5161.1	5139.6	5153.9	5153.9	5132.5	5125.3	5096.7	5111.0	5103.9	5096.7
5°	5268.3	5275.4	5261.1	5282.6	5282.6	5289.7	5282.6	5246.8	5246.8	5246.8	5232.5
7.5°	5232.5	5232.5	5239.7	5311.2	5382.7	5475.6	5475.6	5461.3	5475.6	5468.4	5404.1
10°	4932.3	4960.9	5025.2	5203.9	5375.5	5575.7	5711.5	5754.4	5754.4	5761.5	5654.3
12.5°	4396.2	4417.6	4567.8	4839.4	5196.8	5561.4	5890.2	6104.6	6126.1	6161.8	6018.9
15°	3917.3	3931.6	4038.8	4317.6	4725.0	5368.4	5990.3	6433.5	6504.9	6655.0	6440.6
17.5°	3960.1	3953.0	3981.6	4088.8	4381.9	5053.8	5968.8	6819.5	6948.1	7212.6	7026.8
20°	4217.5	4217.5	4238.9	4260.4	4367.6	4825.1	5811.6	7134.0	7384.2	7898.8	7684.4
22.5°	4624.9	4624.9	4617.8	4653.5	4653.5	4925.2	5818.7	7369.9	7741.6	8663.7	8456.4
25°	5189.7	5161.1	5161.1	5175.4	5111.0	5304.0	5997.4	7612.9	8099.0	9571.5	9392.8
27.5°	5825.8	5847.3	5833.0	5783.0	5697.2	5847.3	6426.3	7991.8	8499.3	10529.4	10457.9
30°	6519.2	6526.4	6540.7	6512.1	6440.6	6547.8	7098.2	8563.6	9028.3	11530.2	11687.4
32.5°	7198.3	7298.4	7262.7	7191.2	7219.8	7412.8	7927.4	9335.7	9814.6	12459.5	13017.0
35°	8063.3	8099.0	8242.0	7977.5	7984.6	8313.4	8985.4	10350.7	10815.3	13424.5	14346.6
37.5°	9321.4	9385.7	9321.4	8906.8	8842.4	9299.9	10014.7	11351.5	11687.4	14153.6	15583.3
40°	10558.0	10636.6	10743.9	10257.8	9850.3	10229.2	10986.9	12116.3	12466.6	14553.9	16405.3
42.5°	11580.2	11708.9	11594.5	11451.5	11079.8	11151.3	11666.0	12709.6	13059.9	15061.4	17234.5
45°	12445.2	12466.6	12516.6	12416.6	12230.7	12166.4	12245.0	13231.5	13617.5	15290.2	17642.0
47.5°	12802.6	12895.5	12938.4	13109.9	13302.9	13174.3	12738.2	13474.5	13824.8	15275.9	17770.6
50°	12609.6	12702.5	12931.2	13338.7	13803.3	14032.1	13317.2	13810.5	14203.6	15533.2	18035.1
52.5°	12102.0	12202.1	12573.8	13038.5	13817.6	14339.4	14132.1	14511.0	14889.9	15990.7	18478.3
55°	10872.5	11022.6	11544.5	12316.5	13388.7	14175.0	14989.9	15540.4	15955.0	16541.1	18935.8
57.5°	9085.5	9242.7	9828.9	10986.9	12595.3	13496.0	15240.1	17470.4	17656.3	17198.8	18978.7
60°	*6805.2*	*6933.8*	*7763.0*	*8692.3*	*10579.5*	*12252.2*	*15097.2*	*19300.4*	*19772.1*	*17084.4*	*17613.4*
62.5°	5389.8	5547.1	6283.3	6712.2	8063.3	10122.0	14596.8	19807.9	20215.3	16140.8	15711.9
65°	4210.3	4317.6	5003.8	5618.5	5947.4	6912.4	12509.5	17327.4	17692.0	14603.9	12967.0
67.5°	2780.7	2945.1	3760.0	4603.5	4775.1	4396.2	8606.5	13331.5	13503.1	11608.8	9750.3
70°	1994.4	2073.0	2680.6	3581.3	3838.6	2945.1	4689.3	10093.4	10143.4	7791.6	6569.3
72.5°	1358.2	1372.5	1822.8	2744.9	3059.5	2137.3	2580.5	6647.9	6476.3	3845.8	3760.0
75°	922.1	936.4	1165.2	1830.0	2165.9	1486.8	1679.8	3624.2	3481.2	2123.0	2280.3
77.5°	621.9	636.2	800.6	1229.5	1444.0	1029.4	1229.5	1915.7	1880.0	1408.2	1222.4
80°	471.8	493.2	593.3	786.3	1007.9	600.5	700.5	907.8	922.1	750.6	621.9
82.5°	264.5	293.1	357.4	400.3	650.5	336.0	336.0	543.3	521.8	464.6	336.0
85°	114.4	121.5	143.0	150.1	264.5	143.0	121.5	235.9	243.0	228.7	107.2
87.5°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	28.6	28.6	28.6	28.6
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°	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7
2.5°	5061.0	5103.9	5061.0	5039.5	5039.5	5003.8	4989.5	4989.5	4939.5	4960.9	4946.6
5°	5175.4	5189.7	5139.6	5075.3	4989.5	4918.0	4817.9	4689.3	4610.6	4603.5	4610.6
7.5°	5354.1	5361.2	5225.4	5082.4	4868.0	4610.6	4303.3	4053.1	3831.5	3795.7	3838.6
10°	5604.3	5590.0	5389.8	5053.8	4603.5	4060.2	3588.4	3359.7	3231.0	3223.9	3216.7
12.5°	5940.2	5847.3	5539.9	4932.3	4146.0	3517.0	3273.9	3259.6	3295.4	3324.0	3331.1
15°	6326.2	6204.7	5661.4	4696.4	3681.4	3316.8	3331.1	3452.6	3495.5	3524.1	3524.1
17.5°	6805.2	6647.9	5797.3	4360.5	3445.5	3359.7	3459.8	3574.1	3645.6	3674.2	3667.1
20°	7441.4	7112.5	5904.5	4038.8	3381.1	3431.2	3517.0	3631.3	3702.8	3738.6	3738.6
22.5°	8077.6	7670.1	5925.9	3817.2	3381.1	3438.3	3517.0	3631.3	3710.0	3745.7	3738.6
25°	8942.5	8384.9	5933.1	3659.9	3388.3	3402.6	3474.1	3574.1	3688.5	3724.3	3738.6
27.5°	9864.6	9171.2	5968.8	3624.2	3359.7	3352.5	3402.6	3495.5	3609.9	3702.8	3710.0
30°	11008.4	10057.6	5983.1	3659.9	3366.8	3273.9	3309.7	3402.6	3524.1	3617.0	3645.6
32.5°	12130.6	10879.7	5954.5	3738.6	3381.1	3223.9	3231.0	3288.2	3416.9	3481.2	3531.3
35°	13317.2	11751.8	5904.5	3845.8	3388.3	3202.4	3138.1	3166.7	3252.5	3259.6	3281.1
37.5°	14246.5	12402.3	5754.4	3988.7	3402.6	3123.8	2995.1	2973.7	2937.9	2866.5	2880.8
40°	15011.4	12838.3	5504.2	4060.2	3366.8	3030.9	2816.4	2716.3	2580.5	2473.3	2494.7
42.5°	15561.8	13131.4	5203.9	4074.5	3309.7	2873.6	2609.1	2437.6	2287.4	2173.1	2180.2
45°	15804.8	13102.8	4882.3	3967.3	3173.8	2680.6	2416.1	2251.7	2087.3	1965.8	1951.5
47.5°	15812.0	12824.0	4439.1	3710.0	2945.1	2459.0	2237.4	2058.7	1922.9	1837.1	1830.0
50°	15869.2	12666.8	4024.5	3338.2	2644.9	2223.1	2080.1	1901.4	1822.8	1701.3	1665.5
52.5°	16226.6	12924.1	3738.6	2930.8	2366.1	2051.6	1944.3	1787.1	1658.4	1579.8	1572.6
55°	16805.6	13367.3	3581.3	2623.4	2101.6	1887.1	1815.7	1679.8	1565.5	1486.8	1465.4
57.5°	16877.1	13596.0	3395.4	2337.5	1887.1	1758.5	1729.9	1579.8	1415.4	1358.2	1336.7
60°	*15876.3*	*13210.0*	*3166.7*	*2073.0*	*1729.9*	*1658.4*	*1644.1*	*1444.0*	*1308.1*	*1236.7*	*1208.1*
62.5°	14511.0	12245.0	2816.4	1830.0	1608.4	1558.3	1501.1	1343.9	1172.3	1093.7	1072.2
65°	11859.0	10293.5	2394.7	1665.5	1486.8	1429.7	1415.4	1200.9	1086.5	1043.6	1036.5
67.5°	8985.4	8270.6	2108.7	1544.0	1358.2	1336.7	1286.7	1215.2	1165.2	1115.1	1100.8
70°	6354.8	5968.8	1794.2	1386.8	1229.5	1193.8	1401.1	1322.4	1143.7	1079.4	1072.2
72.5°	3852.9	3745.7	1551.2	1243.8	1057.9	1115.1	1293.8	1193.8	1029.4	950.7	922.1
75°	2430.4	2223.1	1301.0	1057.9	843.5	907.8	1129.4	1065.1	886.4	807.8	786.3
77.5°	1322.4	1229.5	979.3	864.9	664.8	736.3	986.5	879.2	707.7	772.0	686.2
80°	579.0	643.3	650.5	500.4	443.2	543.3	707.7	686.2	543.3	550.4	457.5
82.5°	278.8	364.6	421.7	343.1	250.2	321.7	471.8	393.2	364.6	343.1	328.8
85°	85.8	135.8	185.9	164.4	114.4	135.8	221.6	214.4	257.3	221.6	207.3
87.5°	28.6	28.6	21.4	21.4	21.4	28.6	35.7	21.4	7.1	7.1	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°	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7
2.5°	4939.5	4946.6	4946.6	4953.8	4953.8	4975.2	5003.8	5032.4	5010.9	5039.5	5046.7
5°	4596.3	4632.1	4660.7	4767.9	4853.7	4925.2	5003.8	5075.3	5096.7	5111.0	5146.8
7.5°	3788.6	3888.7	4074.5	4317.6	4589.2	4853.7	5032.4	5218.2	5246.8	5282.6	5332.6
10°	3223.9	3266.8	3395.4	3645.6	4131.7	4653.5	5089.6	5382.7	5504.2	5575.7	5625.7
12.5°	3316.8	3288.2	3266.8	3302.5	3617.0	4289.0	5053.8	5618.5	5847.3	5925.9	5990.3
15°	3538.4	3509.8	3431.2	3331.1	3366.8	3903.0	4932.3	5840.1	6204.7	6333.4	6469.2
17.5°	3667.1	3638.5	3574.1	3466.9	3374.0	3581.3	4703.6	6040.3	6769.4	6926.7	7119.7
20°	3738.6	3710.0	3645.6	3538.4	3431.2	3459.8	4410.5	6290.5	7412.8	7663.0	7948.9
22.5°	3752.8	3717.1	3645.6	3538.4	3474.1	3452.6	4131.7	6440.6	8106.1	8492.2	8821.0
25°	3745.7	3681.4	3588.4	3509.8	3474.1	3466.9	3938.7	6526.4	8856.7	9471.5	9843.2
27.5°	3695.7	3617.0	3524.1	3466.9	3452.6	3495.5	3852.9	6626.5	9736.0	10522.3	11115.6
30°	3638.5	3524.1	3409.7	3388.3	3424.0	3559.8	3924.4	6662.2	10658.1	11666.0	12273.6
32.5°	3488.4	3402.6	3288.2	3281.1	3366.8	3609.9	4088.8	6612.2	11473.0	12809.7	13574.6
35°	3273.9	3223.9	3159.5	3181.0	3316.8	3652.8	4203.2	6454.9	12216.4	13874.8	14768.3
37.5°	2895.1	2930.8	2966.5	3016.6	3188.1	3645.6	4253.2	6204.7	12831.2	14725.5	15869.2
40°	2473.3	2594.8	2709.2	2837.9	3066.6	3588.4	4267.5	5897.3	13188.6	15368.8	16848.5
42.5°	2208.8	2323.2	2466.2	2652.0	2902.2	3459.8	4253.2	5554.2	13302.9	15812.0	17470.4
45°	1965.8	2101.6	2280.3	2473.3	2759.2	3273.9	4124.6	5182.5	13360.1	16019.3	17734.9
47.5°	1837.1	1915.7	2080.1	2273.2	2573.4	3045.2	3874.4	4910.9	13274.4	16062.2	18056.6
50°	1687.0	1794.2	1901.4	2087.3	2380.4	2759.2	3574.1	4753.6	13417.3	16483.9	18564.1
52.5°	1572.6	1629.8	1744.2	1915.7	2130.2	2494.7	3288.2	4624.9	13810.5	16912.8	19093.1
55°	1486.8	1551.2	1622.7	1765.6	1930.0	2230.3	2995.1	4431.9	14268.0	17370.3	19622.0
57.5°	1351.0	1393.9	1494.0	1644.1	1751.3	1972.9	2652.0	4203.2	14232.2	17012.9	18707.0
60°	*1229.5*	*1272.4*	*1379.6*	*1529.7*	*1594.1*	*1744.2*	*2316.0*	*3910.1*	*13546.0*	*15847.7*	*17020.1*
62.5°	1093.7	1143.7	1272.4	1379.6	1436.8	1551.2	1965.8	3374.0	12116.3	14096.4	15047.1
65°	1036.5	1065.1	1150.9	1279.5	1272.4	1379.6	1658.4	2652.0	9750.3	10772.5	11637.4
67.5°	1100.8	1143.7	1129.4	1165.2	1143.7	1200.9	1486.8	2130.2	7663.0	8113.3	8613.7
70°	1086.5	1186.6	1236.7	1165.2	1000.8	1065.1	1286.7	1701.3	5482.7	5439.8	5418.4
72.5°	950.7	1050.8	1193.8	1265.2	979.3	886.4	1115.1	1472.5	3517.0	3502.7	3166.7
75°	807.8	879.2	1050.8	1143.7	843.5	714.8	957.9	1250.9	2101.6	2130.2	1901.4
77.5°	743.4	707.7	879.2	1007.9	686.2	550.4	772.0	943.6	1158.0	1172.3	1086.5
80°	536.1	514.7	657.6	736.3	521.8	393.2	436.0	586.2	621.9	557.6	579.0
82.5°	343.1	350.3	393.2	471.8	321.7	214.4	300.2	393.2	336.0	271.6	321.7
85°	221.6	250.2	207.3	243.0	100.1	100.1	128.7	171.6	114.4	78.6	85.8
87.5°	0.0	0.0	14.3	28.6	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: P1501586
CATALOG NUMBER: GSS-SB6B-840-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5046.7	5046.7	*5046.7*	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7	5046.7
2.5°	5068.1	5061.0	*5061.0*	5075.3	5111.0	5125.3	5146.8	5139.6	5161.1	5146.8
5°	5168.2	5175.4	*5196.8*	5203.9	5225.4	5254.0	5261.1	5254.0	5268.3	5268.3
7.5°	5368.4	5397.0	*5382.7*	5418.4	5389.8	5354.1	5296.9	5254.0	5218.2	5232.5
10°	5704.3	5690.0	*5682.9*	5618.5	5489.9	5304.0	5153.9	4989.5	4960.9	4932.3
12.5°	6076.0	6061.7	*6061.7*	5840.1	5475.6	5089.6	4746.5	4489.1	4403.3	4396.2
15°	6597.9	6504.9	*6419.2*	5954.5	5225.4	4567.8	4167.4	3967.3	3917.3	3917.3
17.5°	7248.4	7005.3	*6862.3*	5868.7	4817.9	4224.6	3988.7	3938.7	3924.4	3960.1
20°	8056.1	7441.4	*7234.1*	5675.7	4667.8	4267.5	4153.2	4160.3	4167.4	4217.5
22.5°	8942.5	7841.7	*7498.5*	5675.7	4817.9	4539.2	4482.0	4560.6	4582.0	4624.9
25°	9929.0	8199.1	*7734.4*	5976.0	5261.1	5053.8	4982.4	5061.0	5118.2	5189.7
27.5°	11036.9	8570.8	*8141.9*	6519.2	5833.0	5704.3	5625.7	5661.4	5740.1	5825.8
30°	12030.6	9192.7	*8763.8*	7348.4	6612.2	6454.9	6319.1	6376.3	6462.0	6519.2
32.5°	12909.8	9950.4	*9585.8*	8220.5	7505.7	7234.1	7083.9	7069.6	7241.2	7198.3
35°	13717.5	10843.9	*10493.7*	9214.1	8413.5	8077.6	7877.4	8134.7	8020.4	8063.3
37.5°	14353.7	11773.2	*11494.4*	10164.9	9357.1	8899.6	8778.1	9092.6	9271.3	9321.4
40°	14875.6	12581.0	*12287.9*	11108.4	10222.0	9886.1	10079.1	10600.9	10579.5	10558.0
42.5°	15275.9	13274.4	*12952.7*	11823.3	11051.2	11115.6	11265.7	11616.0	11701.7	11580.2
45°	15454.6	13710.4	*13453.1*	12388.0	11994.8	12366.5	12430.9	12581.0	12523.8	12445.2
47.5°	15661.9	14096.4	*13824.8*	12902.6	13017.0	13381.6	13252.9	13131.4	12924.1	12802.6
50°	16012.1	14553.9	*14325.2*	13653.2	14067.8	13946.3	13445.9	13174.3	12752.5	12609.6
52.5°	16676.9	15418.8	*15247.3*	14839.8	14561.0	13860.5	13252.9	12766.8	12295.0	12102.0
55°	17270.2	16591.2	*16491.1*	15947.8	14410.9	13410.2	12595.3	11844.7	11036.9	10872.5
57.5°	17613.4	18535.5	*18649.9*	16419.6	13724.7	12388.0	11187.1	9986.1	9221.3	9085.5
60°	*16591.2*	*20637.1*	*20694.3*	*16326.7*	*12488.0*	*10543.7*	*8713.8*	*7863.1*	*7041.1*	*6805.2*
62.5°	15182.9	20201.0	*20151.0*	15769.1	9943.3	7691.5	6619.3	6219.0	5582.8	5389.8
65°	13052.8	16827.1	*16884.2*	13624.6	6612.2	5561.4	5561.4	5053.8	4346.2	4210.3
67.5°	10636.6	12974.1	*12845.5*	8835.3	4060.2	4453.4	4667.8	3938.7	2945.1	2780.7
70°	6912.4	9907.5	*9728.8*	5096.7	2551.9	3710.0	3674.2	2959.4	2108.7	1994.4
72.5°	2973.7	5725.8	*6090.3*	2602.0	1922.9	2988.0	2930.8	2073.0	1408.2	1358.2
75°	1794.2	2880.8	*3138.1*	1658.4	1401.1	2251.7	2030.1	1315.3	957.9	922.1
77.5°	1136.6	1579.8	*1565.5*	1243.8	1050.8	1522.6	1365.3	907.8	650.5	621.9
80°	657.6	779.2	*807.8*	779.2	707.7	1086.5	872.1	657.6	507.5	471.8
82.5°	421.7	486.1	*493.2*	378.9	393.2	700.5	471.8	386.0	293.1	264.5
85°	185.9	207.3	*200.2*	128.7	128.7	285.9	164.4	157.3	114.4	114.4
87.5°	7.1	14.3	*7.1*	7.1	7.1	28.6	14.3	21.4	21.4	21.4
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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

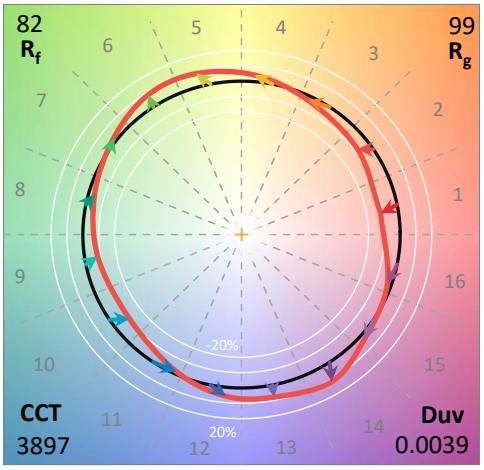
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

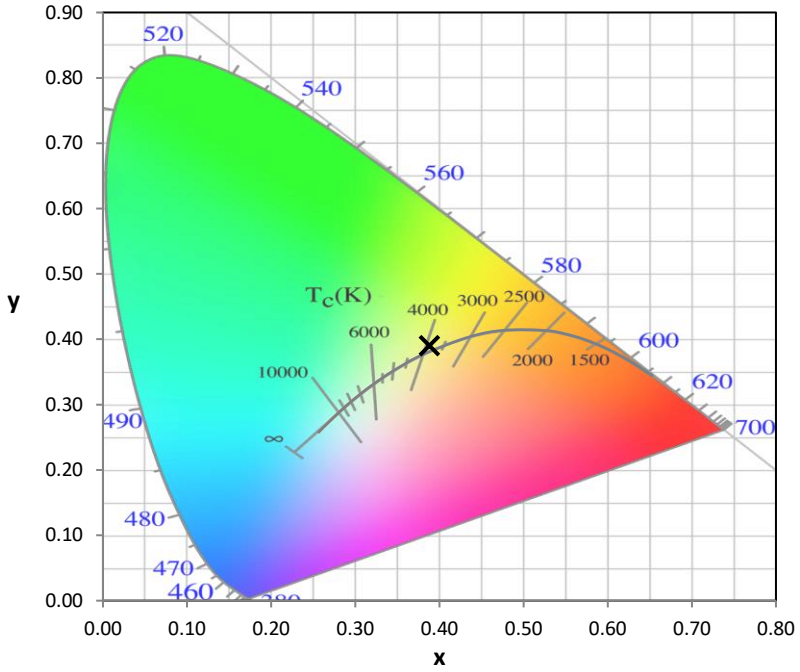
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

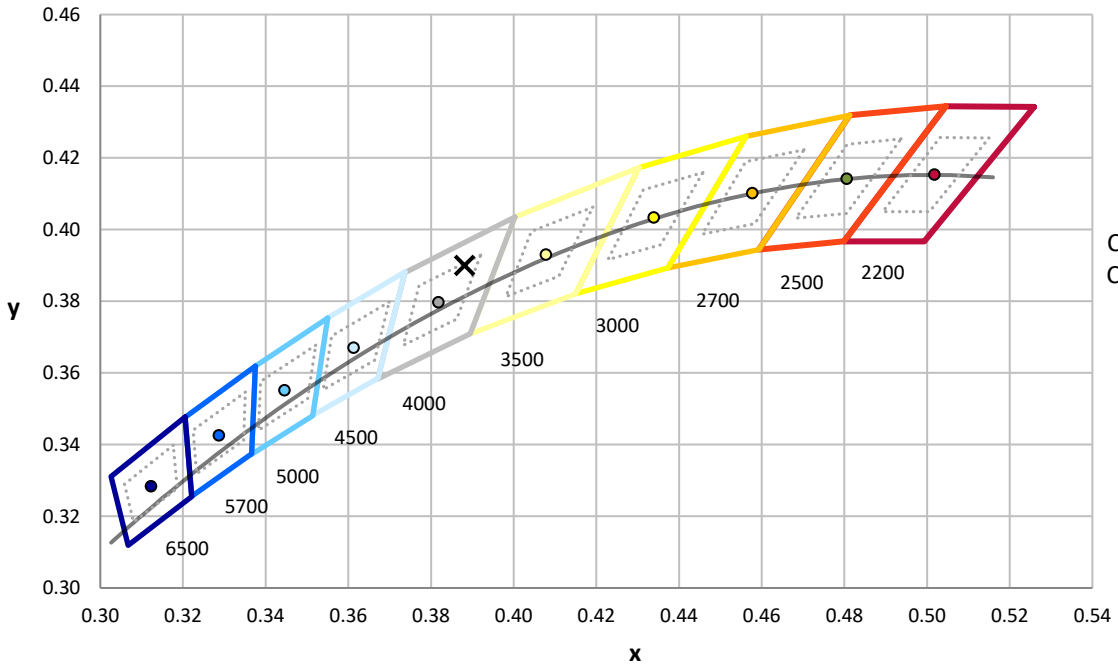
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

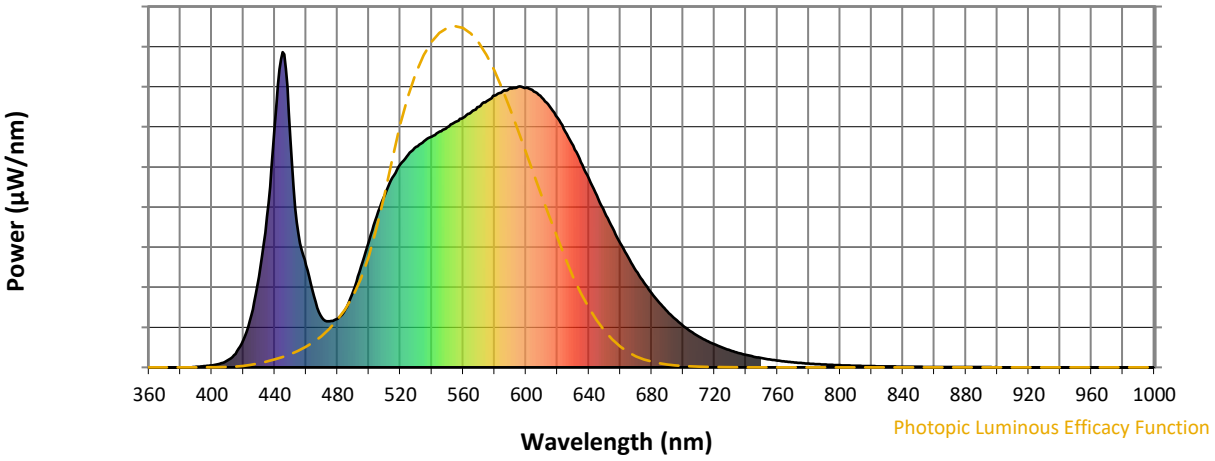


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

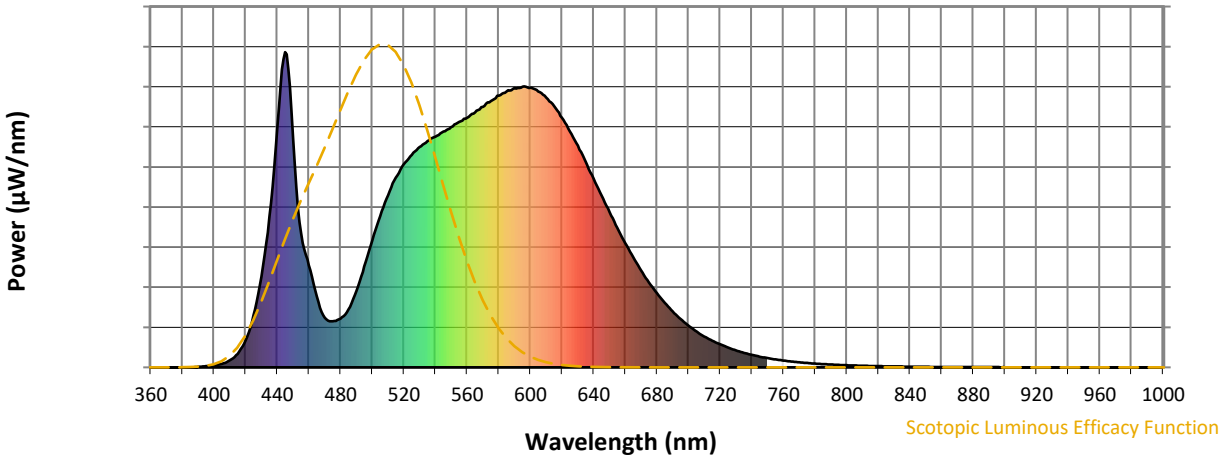


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

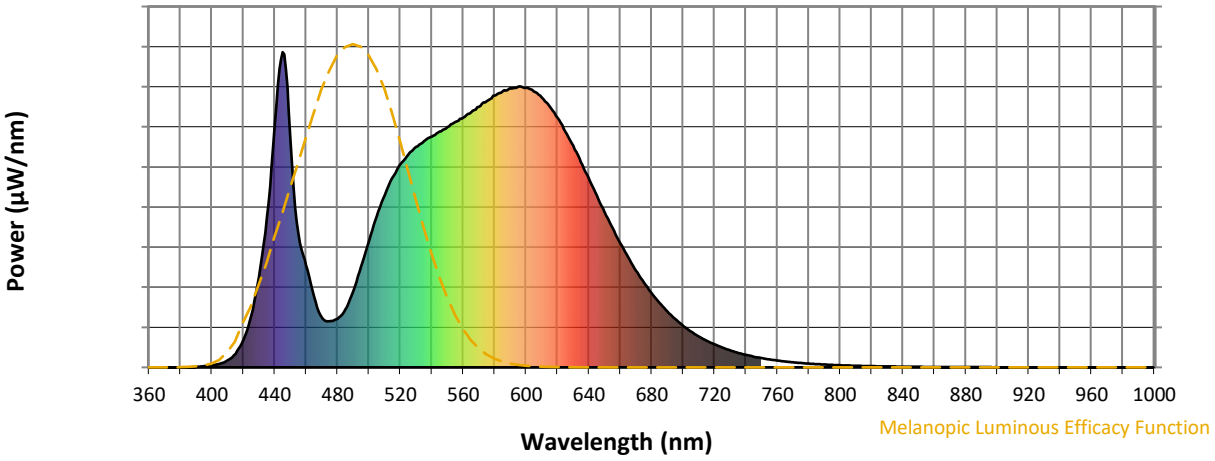


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

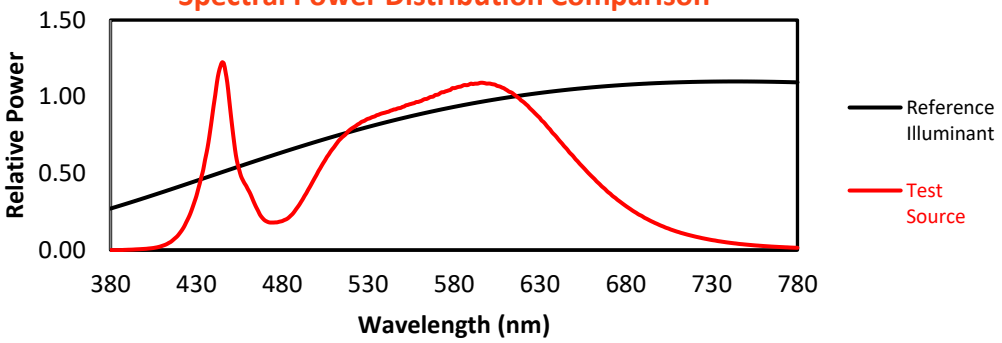
REPORT NUMBER: SP1-2407-184-11

TM-30-18

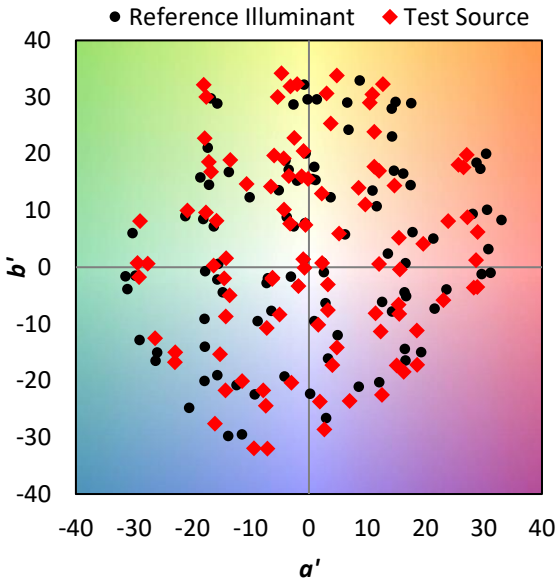
Summary

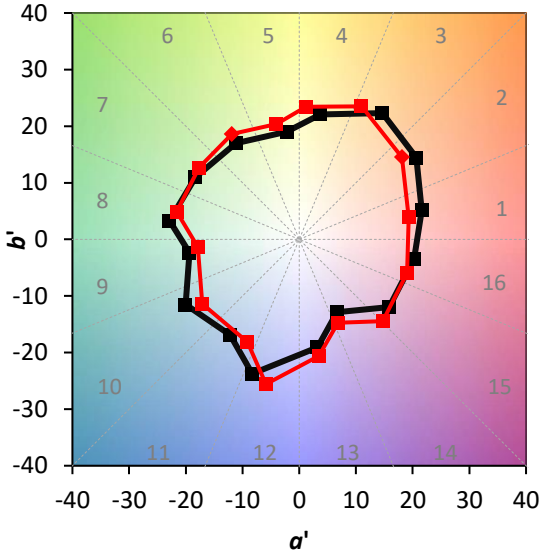
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

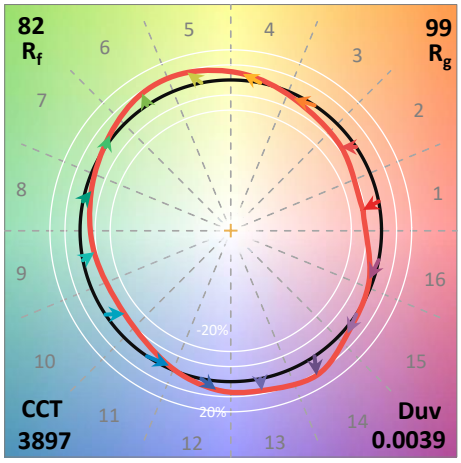
Spectral Power Distribution Comparison

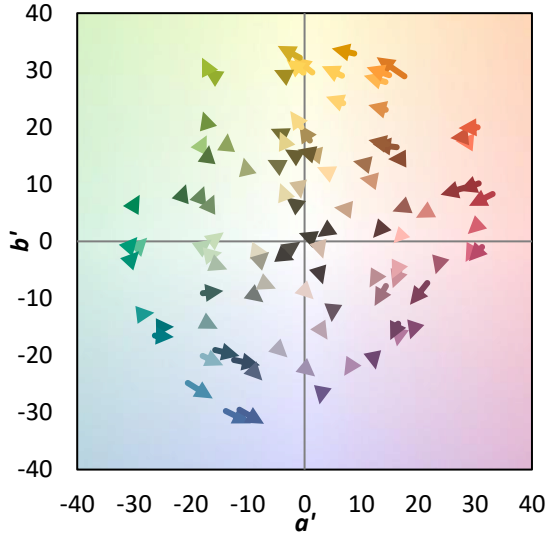


Color Vector Graphics







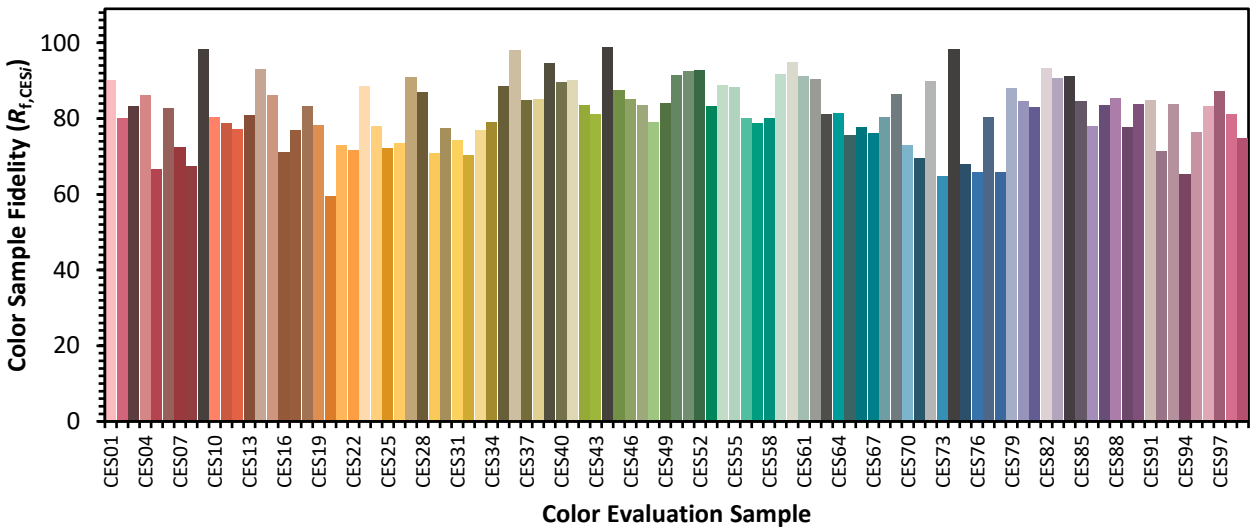


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Individual Sample Fidelity Index ($R_{f,i}$)

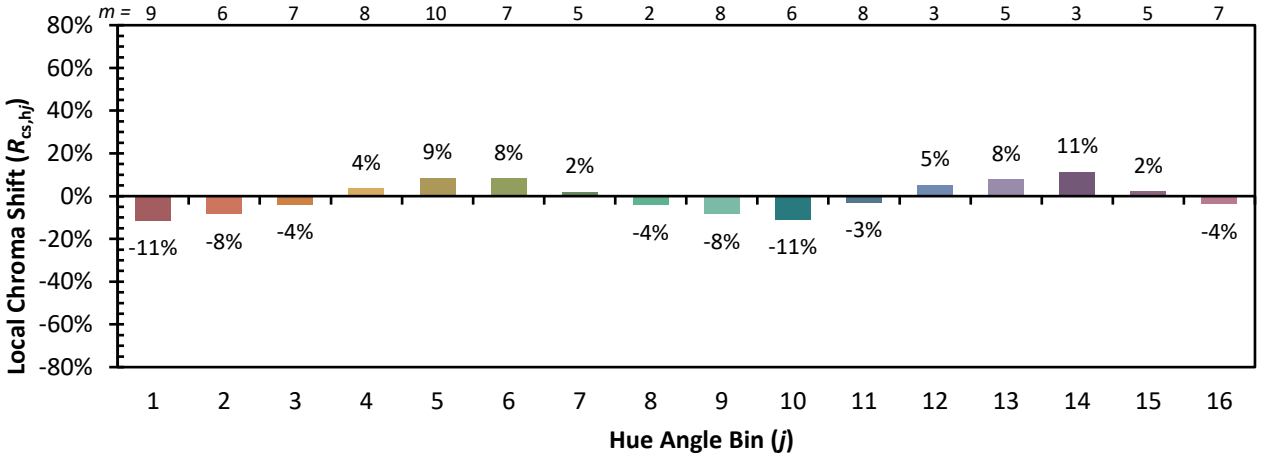
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

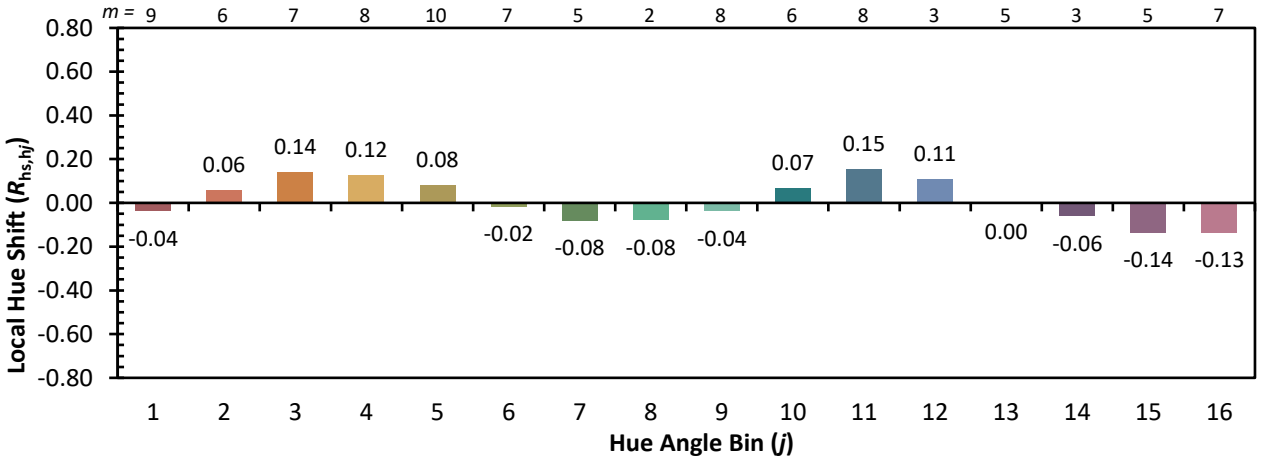


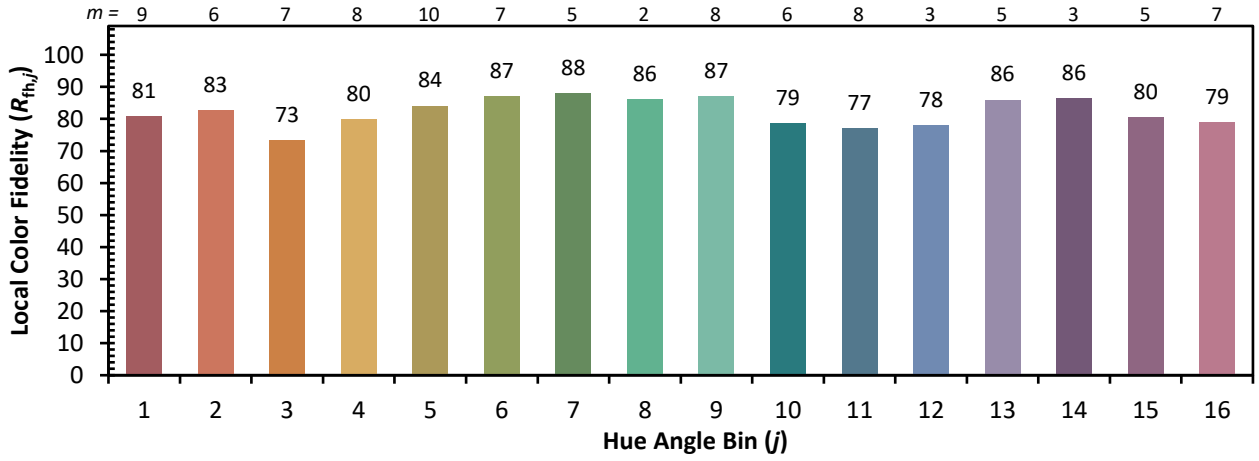
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Color Rendition by Hue-Angle Bin



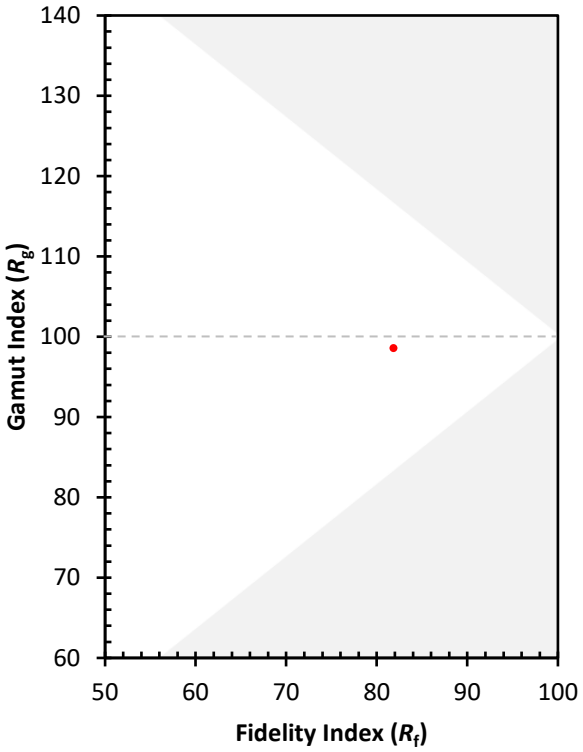


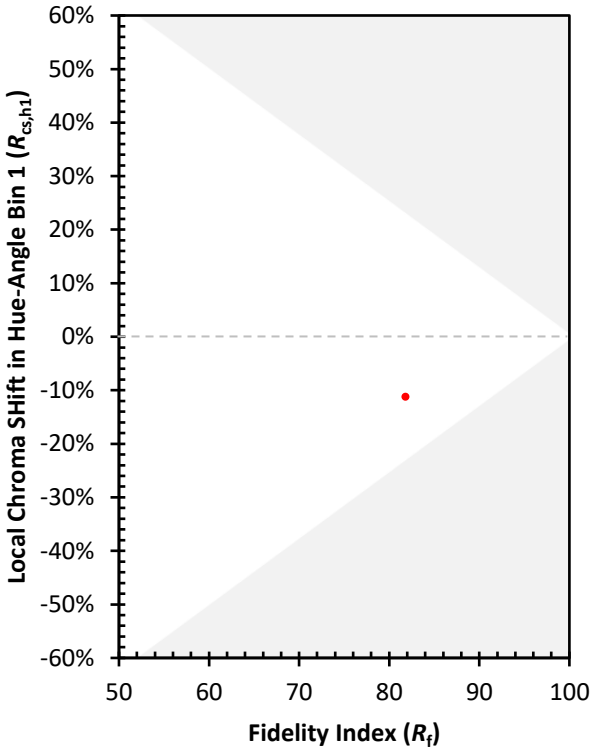


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Measure Comparisons





(END OF REPORT)