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: P1501588

Luminaire Tested: GSS-SB6D-840-U-T2LG

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501588
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6D-840-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 362W 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:	48940.5 lumens
Efficiency:	N/A
Efficacy:	135.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

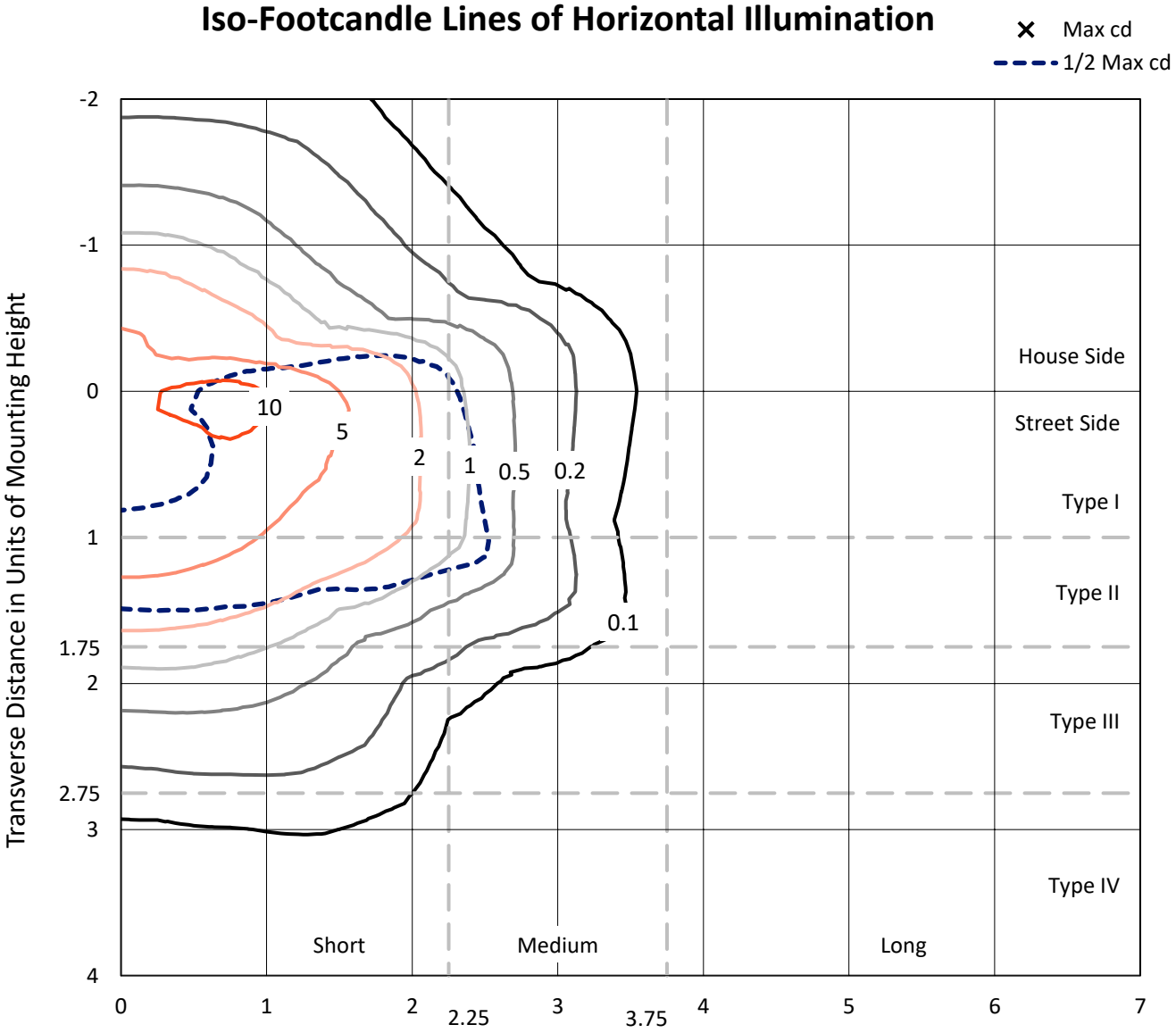
Input Watts (W):	362
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



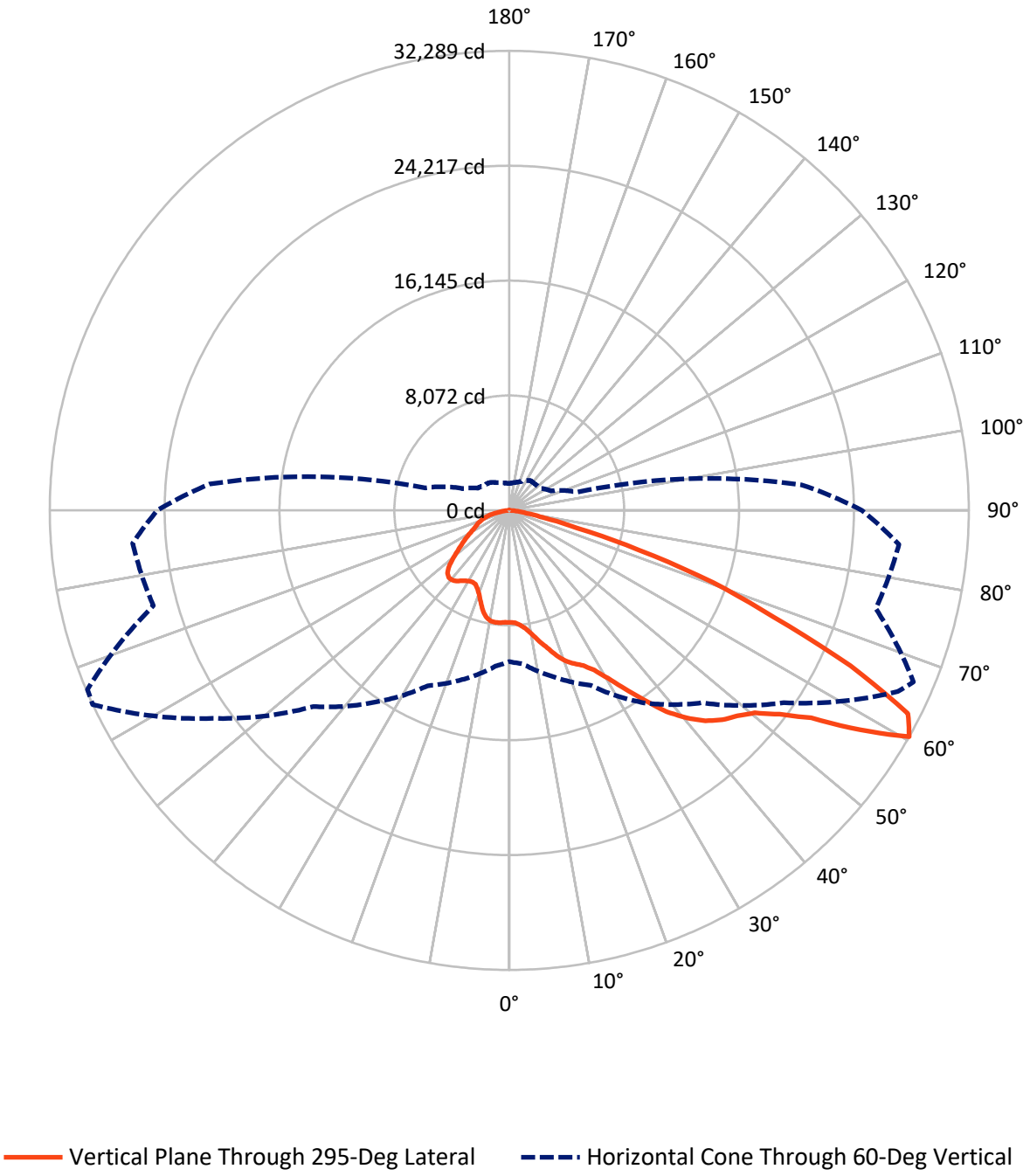
Based on 30 foot mounting height. Maximum calculated value = 13.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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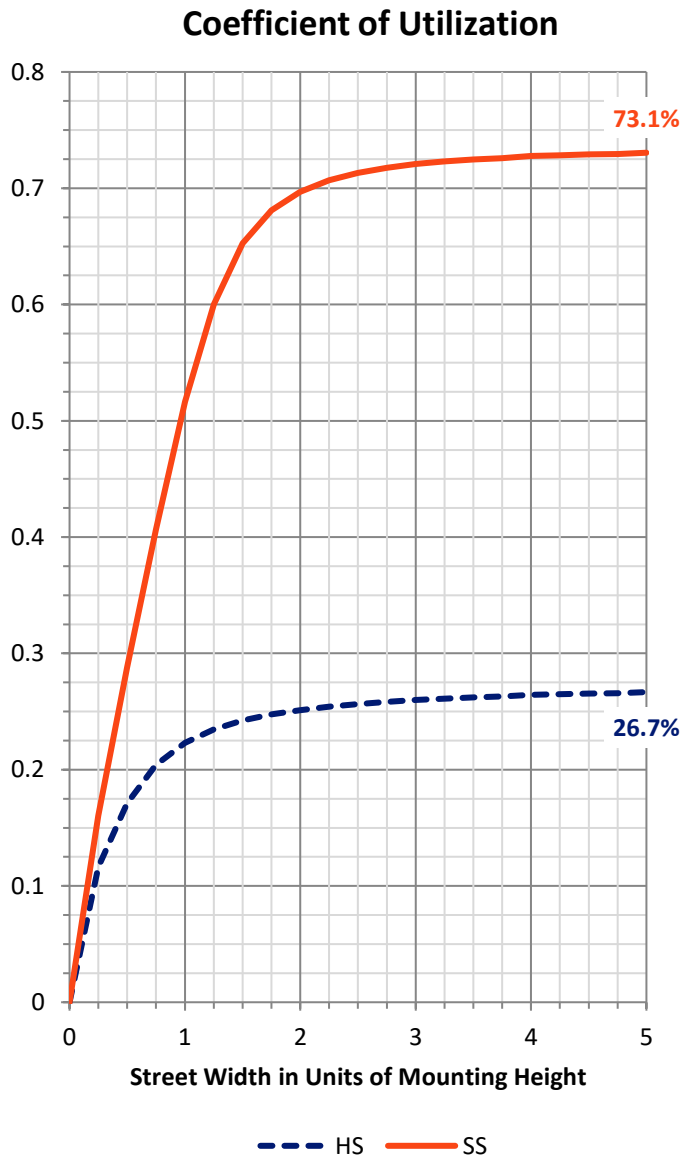
REPORT NUMBER: P1501588
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13160.7	0.0	13160.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	35779.8	0.0	35779.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	48940.5	0.0	48940.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	740.4	1.5
10°-20°	2128.3	4.3
20°-30°	4031.4	8.2
30°-40°	7107.1	14.5
40°-50°	10510.7	21.5
50°-60°	12342.4	25.2
60°-70°	8942.6	18.3
70°-80°	2757.8	5.6
80°-90°	379.7	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°	48940.5	100.0
0°-180°	48940.5	100.0



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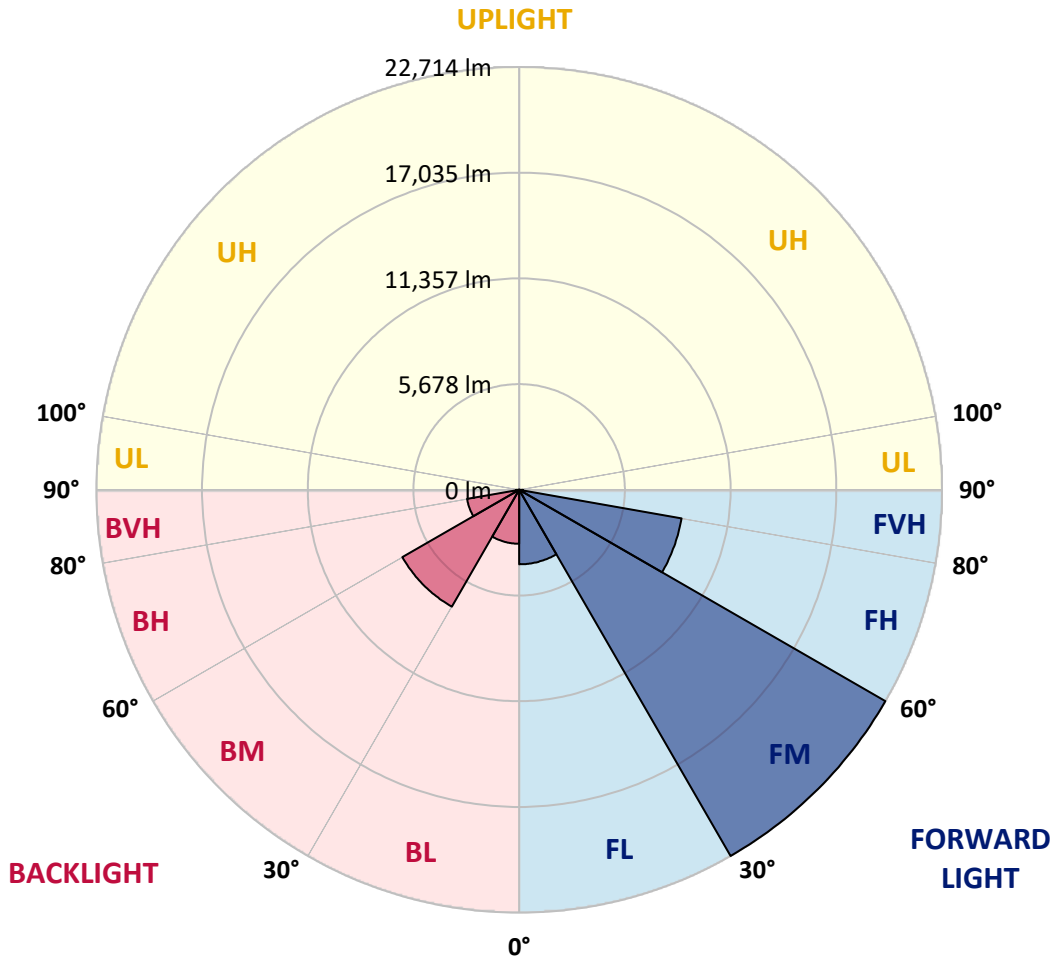
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4001.7	8.2			
FM	(30°-60°)	22713.6	46.4			
FH	(60°-80°)	8859.7	18.1			G4/12000
FVH	(80°-90°)	204.8	0.4			G2/225
BL	(0°-30°)	2898.4	5.9	B4/5000		
BM	(30°-60°)	7246.7	14.8	B4/8500		
BH	(60°-80°)	2840.7	5.8	B4/5000		G4/5000
BVH	(80°-90°)	174.9	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°	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3
2.5°	8030.4	8052.7	8019.3	8041.6	8041.6	8008.1	7997.0	7952.4	7974.7	7963.5	7952.4
5°	8220.0	8231.2	8208.9	8242.4	8242.4	8253.5	8242.4	8186.6	8186.6	8186.6	8164.3
7.5°	8164.3	8164.3	8175.4	8287.0	8398.5	8543.5	8543.5	8521.2	8543.5	8532.3	8432.0
10°	7695.8	7740.5	7840.8	8119.7	8387.3	8699.6	8911.6	8978.5	8978.5	8989.6	8822.3
12.5°	6859.3	6892.8	7127.0	7550.8	8108.5	8677.3	9190.4	9525.0	9558.5	9614.2	9391.2
15°	6112.1	6134.4	6301.7	6736.6	7372.4	8376.2	9346.5	10038.0	10149.6	10383.8	10049.2
17.5°	6179.0	6167.8	6212.4	6379.7	6837.0	7885.4	9313.1	10640.3	10841.1	11253.8	10963.8
20°	6580.5	6580.5	6614.0	6647.4	6814.7	7528.5	9067.7	11131.1	11521.4	12324.5	11989.9
22.5°	7216.2	7216.2	7205.1	7260.9	7260.9	7684.7	9078.9	11499.1	12079.1	13517.9	13194.5
25°	8097.4	8052.7	8052.7	8075.1	7974.7	8275.8	9357.7	11878.4	12636.8	14934.4	14655.6
27.5°	9090.0	9123.5	9101.2	9023.1	8889.2	9123.5	10026.9	12469.5	13261.4	16428.9	16317.4
30°	10171.9	10183.0	10205.3	10160.7	10049.2	10216.5	11075.3	13361.8	14086.7	17990.4	18235.8
32.5°	11231.5	11387.6	11331.8	11220.3	11264.9	11566.1	12369.1	14566.3	15313.6	19440.4	20310.3
35°	12581.0	12636.8	12859.9	12447.2	12458.3	12971.4	14019.8	16150.1	16875.1	20946.1	22384.8
37.5°	14544.0	14644.4	14544.0	13897.1	13796.7	14510.6	15625.9	17711.6	18235.8	22083.7	24314.4
40°	16473.6	16596.2	16763.5	16005.1	15369.4	15960.5	17142.8	18905.0	19451.5	22708.3	25597.0
42.5°	18068.5	18269.2	18090.8	17867.7	17287.8	17399.3	18202.3	19830.7	20377.2	23500.2	26890.8
45°	19418.0	19451.5	19529.6	19373.4	19083.4	18983.1	19105.8	20644.9	21247.2	23857.1	27526.6
47.5°	19975.7	20120.7	20187.6	20455.3	20756.5	20555.7	19875.3	21024.1	21570.7	23834.8	27727.3
50°	19674.6	19819.6	20176.5	20812.2	21537.2	21894.1	20778.8	21548.3	22161.8	24236.3	28140.0
52.5°	18882.7	19038.8	19618.8	20343.8	21559.5	22373.7	22050.2	22641.4	23232.5	24950.1	28831.5
55°	16964.3	17198.5	18012.7	19217.3	20890.3	22117.2	23388.7	24247.5	24894.4	25808.9	29545.3
57.5°	14176.0	14421.3	15335.9	17142.8	19652.3	21057.6	23779.0	27258.9	27548.9	26835.1	29612.2
60°	*10618.0*	*10818.8*	*12112.6*	*13562.5*	*16507.0*	*19116.9*	*23556.0*	*30114.1*	*30850.3*	*26656.6*	*27481.9*
62.5°	8409.7	8655.0	9803.8	10473.0	12581.0	15793.2	22775.2	30906.0	31541.8	25184.3	24515.1
65°	6569.3	6736.6	7807.4	8766.6	9279.6	10785.3	19518.4	27035.8	27604.6	22786.4	20232.2
67.5°	4338.7	4595.2	5866.7	7182.8	7450.5	6859.3	13428.7	20801.1	21068.7	18113.1	15213.2
70°	3111.8	3234.5	4182.5	5587.8	5989.4	4595.2	7316.6	15748.6	15826.7	12157.2	10250.0
72.5°	2119.1	2141.5	2844.1	4282.9	4773.6	3334.9	4026.4	10372.7	10105.0	6000.5	5866.7
75°	1438.8	1461.1	1818.0	2855.3	3379.5	2319.9	2621.0	5654.8	5431.7	3312.6	3557.9
77.5°	970.3	992.7	1249.2	1918.4	2253.0	1606.1	1918.4	2989.1	2933.3	2197.2	1907.2
80°	736.1	769.6	925.7	1226.9	1572.6	936.9	1093.0	1416.5	1438.8	1171.1	970.3
82.5°	412.7	457.3	557.7	624.6	1015.0	524.2	524.2	847.7	814.2	725.0	524.2
85°	178.5	189.6	223.1	234.2	412.7	223.1	189.6	368.1	379.2	356.9	167.3
87.5°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	44.6	44.6	44.6	44.6
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°	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3
2.5°	7896.6	7963.5	7896.6	7863.1	7863.1	7807.4	7785.1	7785.1	7707.0	7740.5	7718.1
5°	8075.1	8097.4	8019.3	7918.9	7785.1	7673.5	7517.4	7316.6	7193.9	7182.8	7193.9
7.5°	8353.9	8365.0	8153.1	7930.1	7595.5	7193.9	6714.3	6324.0	5978.2	5922.4	5989.4
10°	8744.3	8721.9	8409.7	7885.4	7182.8	6335.1	5599.0	5242.1	5041.3	5030.2	5019.0
12.5°	9268.5	9123.5	8643.9	7695.8	6469.0	5487.5	5108.3	5085.9	5141.7	5186.3	5197.5
15°	9870.7	9681.1	8833.5	7327.8	5744.0	5175.2	5197.5	5387.1	5454.0	5498.6	5498.6
17.5°	10618.0	10372.7	9045.4	6803.6	5375.9	5242.1	5398.2	5576.7	5688.2	5732.8	5721.7
20°	11610.7	11097.6	9212.7	6301.7	5275.6	5353.6	5487.5	5665.9	5777.5	5833.2	5833.2
22.5°	12603.3	11967.6	9246.2	5955.9	5275.6	5364.8	5487.5	5665.9	5788.6	5844.4	5833.2
25°	13952.9	13082.9	9257.3	5710.5	5286.7	5309.0	5420.5	5576.7	5755.1	5810.9	5833.2
27.5°	15391.7	14309.8	9313.1	5654.8	5242.1	5230.9	5309.0	5454.0	5632.5	5777.5	5788.6
30°	17176.2	15692.8	9335.4	5710.5	5253.2	5108.3	5164.0	5309.0	5498.6	5643.6	5688.2
32.5°	18927.3	16975.5	9290.8	5833.2	5275.6	5030.2	5041.3	5130.6	5331.3	5431.7	5509.8
35°	20778.8	18336.2	9212.7	6000.5	5286.7	4996.7	4896.3	4941.0	5074.8	5085.9	5119.4
37.5°	22228.7	19351.1	8978.5	6223.6	5309.0	4874.0	4673.3	4639.8	4584.0	4472.5	4494.8
40°	23422.1	20031.5	8588.1	6335.1	5253.2	4729.0	4394.4	4238.3	4026.4	3859.1	3892.5
42.5°	24280.9	20488.8	8119.7	6357.4	5164.0	4483.7	4071.0	3803.3	3569.1	3390.6	3401.8
45°	24660.1	20444.2	7617.8	6190.1	4952.1	4182.5	3769.8	3513.3	3256.8	3067.2	3044.9
47.5°	24671.3	20009.2	6926.3	5788.6	4595.2	3836.8	3491.0	3212.2	3000.3	2866.4	2855.3
50°	24760.5	19763.8	6279.4	5208.6	4126.8	3468.7	3245.6	2966.8	2844.1	2654.5	2598.7
52.5°	25318.2	20165.3	5833.2	4572.9	3691.8	3201.0	3033.7	2788.3	2587.6	2464.9	2453.7
55°	26221.6	20856.8	5587.8	4093.3	3279.1	2944.5	2833.0	2621.0	2442.6	2319.9	2286.4
57.5°	26333.1	21213.7	5297.9	3647.2	2944.5	2743.7	2699.1	2464.9	2208.4	2119.1	2085.7
60°	*24771.7*	*20611.5*	*4941.0*	*3234.5*	*2699.1*	*2587.6*	*2565.3*	*2253.0*	*2041.1*	*1929.5*	*1884.9*
62.5°	22641.4	19105.8	4394.4	2855.3	2509.5	2431.4	2342.2	2096.8	1829.2	1706.5	1673.0
65°	18503.5	16060.9	3736.4	2598.7	2319.9	2230.7	2208.4	1873.8	1695.3	1628.4	1617.2
67.5°	14019.8	12904.5	3290.2	2409.1	2119.1	2085.7	2007.6	1896.1	1818.0	1739.9	1717.6
70°	9915.4	9313.1	2799.5	2163.8	1918.4	1862.6	2186.1	2063.4	1784.5	1684.2	1673.0
72.5°	6011.7	5844.4	2420.3	1940.7	1650.7	1739.9	2018.8	1862.6	1606.1	1483.4	1438.8
75°	3792.2	3468.7	2029.9	1650.7	1316.1	1416.5	1762.2	1661.9	1383.0	1260.3	1226.9
77.5°	2063.4	1918.4	1528.0	1349.6	1037.3	1148.8	1539.2	1371.9	1104.2	1204.6	1070.7
80°	903.4	1003.8	1015.0	780.7	691.5	847.7	1104.2	1070.7	847.7	858.8	713.8
82.5°	435.0	568.8	658.0	535.4	390.4	501.9	736.1	613.4	568.8	535.4	513.1
85°	133.8	211.9	290.0	256.5	178.5	211.9	345.8	334.6	401.5	345.8	323.4
87.5°	44.6	44.6	33.5	33.5	33.5	44.6	55.8	33.5	11.2	11.2	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°	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3
2.5°	7707.0	7718.1	7718.1	7729.3	7729.3	7762.8	7807.4	7852.0	7818.5	7863.1	7874.3
5°	7171.6	7227.4	7272.0	7439.3	7573.2	7684.7	7807.4	7918.9	7952.4	7974.7	8030.4
7.5°	5911.3	6067.4	6357.4	6736.6	7160.5	7573.2	7852.0	8142.0	8186.6	8242.4	8320.4
10°	5030.2	5097.1	5297.9	5688.2	6446.7	7260.9	7941.2	8398.5	8588.1	8699.6	8777.7
12.5°	5175.2	5130.6	5097.1	5152.9	5643.6	6692.0	7885.4	8766.6	9123.5	9246.2	9346.5
15°	5520.9	5476.3	5353.6	5197.5	5253.2	6089.7	7695.8	9112.3	9681.1	9881.9	10093.8
17.5°	5721.7	5677.1	5576.7	5409.4	5264.4	5587.8	7338.9	9424.6	10562.3	10807.6	11108.8
20°	5833.2	5788.6	5688.2	5520.9	5353.6	5398.2	6881.6	9815.0	11566.1	11956.4	12402.6
22.5°	5855.5	5799.8	5688.2	5520.9	5420.5	5387.1	6446.7	10049.2	12647.9	13250.2	13763.3
25°	5844.4	5744.0	5599.0	5476.3	5420.5	5409.4	6145.5	10183.0	13819.0	14778.2	15358.2
27.5°	5766.3	5643.6	5498.6	5409.4	5387.1	5454.0	6011.7	10339.2	15190.9	16417.8	17343.5
30°	5677.1	5498.6	5320.2	5286.7	5342.5	5554.4	6123.2	10395.0	16629.7	18202.3	19150.4
32.5°	5442.9	5309.0	5130.6	5119.4	5253.2	5632.5	6379.7	10316.9	17901.2	19986.9	21180.3
35°	5108.3	5030.2	4929.8	4963.3	5175.2	5699.4	6558.2	10071.5	19061.1	21648.7	23042.9
37.5°	4517.1	4572.9	4628.7	4706.7	4974.4	5688.2	6636.3	9681.1	20020.3	22976.0	24760.5
40°	3859.1	4048.7	4227.1	4427.9	4784.8	5599.0	6658.6	9201.5	20578.0	23979.8	26288.5
42.5°	3446.4	3624.9	3847.9	4137.9	4528.3	5398.2	6636.3	8666.2	20756.5	24671.3	27258.9
45°	3067.2	3279.1	3557.9	3859.1	4305.2	5108.3	6435.5	8086.2	20845.7	24994.7	27671.6
47.5°	2866.4	2989.1	3245.6	3546.8	4015.2	4751.3	6045.1	7662.4	20711.8	25061.7	28173.5
50°	2632.2	2799.5	2966.8	3256.8	3714.1	4305.2	5576.7	7417.0	20934.9	25719.7	28965.3
52.5°	2453.7	2543.0	2721.4	2989.1	3323.7	3892.5	5130.6	7216.2	21548.3	26388.9	29790.7
55°	2319.9	2420.3	2531.8	2754.9	3011.4	3479.9	4673.3	6915.1	22262.2	27102.7	30616.0
57.5°	2108.0	2174.9	2331.1	2565.3	2732.6	3078.3	4137.9	6558.2	22206.4	26545.1	29188.4
60°	*1918.4*	*1985.3*	*2152.6*	*2386.8*	*2487.2*	*2721.4*	*3613.7*	*6100.9*	*21135.7*	*24727.1*	*26556.2*
62.5°	1706.5	1784.5	1985.3	2152.6	2241.8	2420.3	3067.2	5264.4	18905.0	21994.5	23477.9
65°	1617.2	1661.9	1795.7	1996.5	1985.3	2152.6	2587.6	4137.9	15213.2	16808.2	18157.7
67.5°	1717.6	1784.5	1762.2	1818.0	1784.5	1873.8	2319.9	3323.7	11956.4	12659.1	13439.8
70°	1695.3	1851.5	1929.5	1818.0	1561.5	1661.9	2007.6	2654.5	8554.6	8487.7	8454.3
72.5°	1483.4	1639.5	1862.6	1974.1	1528.0	1383.0	1739.9	2297.6	5487.5	5465.2	4941.0
75°	1260.3	1371.9	1639.5	1784.5	1316.1	1115.3	1494.6	1951.8	3279.1	3323.7	2966.8
77.5°	1160.0	1104.2	1371.9	1572.6	1070.7	858.8	1204.6	1472.2	1806.8	1829.2	1695.3
80°	836.5	803.0	1026.1	1148.8	814.2	613.4	680.4	914.6	970.3	870.0	903.4
82.5°	535.4	546.5	613.4	736.1	501.9	334.6	468.4	613.4	524.2	423.8	501.9
85°	345.8	390.4	323.4	379.2	156.1	156.1	200.8	267.7	178.5	122.7	133.8
87.5°	0.0	0.0	22.3	44.6	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: P1501588
CATALOG NUMBER: GSS-SB6D-840-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	7874.3	7874.3	*7874.3*	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3	7874.3
2.5°	7907.8	7896.6	*7896.6*	7918.9	7974.7	7997.0	8030.4	8019.3	8052.7	8030.4
5°	8063.9	8075.1	*8108.5*	8119.7	8153.1	8197.7	8208.9	8197.7	8220.0	8220.0
7.5°	8376.2	8420.8	*8398.5*	8454.3	8409.7	8353.9	8264.7	8197.7	8142.0	8164.3
10°	8900.4	8878.1	*8866.9*	8766.6	8565.8	8275.8	8041.6	7785.1	7740.5	7695.8
12.5°	9480.4	9458.1	*9458.1*	9112.3	8543.5	7941.2	7405.8	7004.3	6870.5	6859.3
15°	10294.6	10149.6	*10015.7*	9290.8	8153.1	7127.0	6502.4	6190.1	6112.1	6112.1
17.5°	11309.5	10930.3	*10707.3*	9156.9	7517.4	6591.7	6223.6	6145.5	6123.2	6179.0
20°	12569.9	11610.7	*11287.2*	8855.8	7283.2	6658.6	6480.1	6491.3	6502.4	6580.5
22.5°	13952.9	12235.3	*11699.9*	8855.8	7517.4	7082.4	6993.2	7115.9	7149.3	7216.2
25°	15492.1	12792.9	*12068.0*	9324.2	8208.9	7885.4	7773.9	7896.6	7985.8	8097.4
27.5°	17220.8	13372.9	*12703.7*	10171.9	9101.2	8900.4	8777.7	8833.5	8956.2	9090.0
30°	18771.2	14343.3	*13674.1*	11465.7	10316.9	10071.5	9859.6	9948.8	10082.7	10171.9
32.5°	20143.0	15525.5	*14956.7*	12826.4	11711.1	11287.2	11053.0	11030.7	11298.4	11231.5
35°	21403.4	16919.7	*16373.2*	14376.7	13127.5	12603.3	12291.0	12692.6	12514.1	12581.0
37.5°	22396.0	18369.6	*17934.6*	15860.1	14599.8	13886.0	13696.4	14187.1	14465.9	14544.0
40°	23210.2	19630.0	*19172.7*	17332.4	15949.3	15425.1	15726.3	16540.5	16507.0	16473.6
42.5°	23834.8	20711.8	*20209.9*	18447.7	17243.1	17343.5	17577.7	18124.3	18258.1	18068.5
45°	24113.6	21392.2	*20990.7*	19328.8	18715.4	19295.4	19395.7	19630.0	19540.7	19418.0
47.5°	24437.1	21994.5	*21570.7*	20131.9	20310.3	20879.1	20678.4	20488.8	20165.3	19975.7
50°	24983.6	22708.3	*22351.4*	21303.0	21949.9	21760.3	20979.5	20555.7	19897.6	19674.6
52.5°	26020.9	24057.9	*23790.2*	23154.4	22719.5	21626.4	20678.4	19919.9	19183.8	18882.7
55°	26946.6	25887.0	*25730.9*	24883.2	22485.2	20923.8	19652.3	18481.2	17220.8	16964.3
57.5°	27481.9	28920.7	*29099.2*	25619.3	21414.5	19328.8	17455.1	15581.3	14387.9	14176.0
60°	*25887.0*	*32199.8*	*32289.1*	*25474.3*	*19485.0*	*16451.2*	*13596.0*	*12268.7*	*10986.1*	*10618.0*
62.5°	23689.8	31519.5	*31441.4*	24604.4	15514.4	12001.0	10328.0	9703.4	8710.8	8409.7
65°	20366.1	26255.1	*26344.3*	21258.4	10316.9	8677.3	8677.3	7885.4	6781.3	6569.3
67.5°	16596.2	20243.4	*20042.6*	13785.6	6335.1	6948.6	7283.2	6145.5	4595.2	4338.7
70°	10785.3	15458.6	*15179.8*	7952.4	3981.8	5788.6	5732.8	4617.5	3290.2	3111.8
72.5°	4639.8	8933.9	*9502.7*	4059.8	3000.3	4662.1	4572.9	3234.5	2197.2	2119.1
75°	2799.5	4494.8	*4896.3*	2587.6	2186.1	3513.3	3167.6	2052.2	1494.6	1438.8
77.5°	1773.4	2464.9	*2442.6*	1940.7	1639.5	2375.7	2130.3	1416.5	1015.0	970.3
80°	1026.1	1215.7	*1260.3*	1215.7	1104.2	1695.3	1360.7	1026.1	791.9	736.1
82.5°	658.0	758.4	*769.6*	591.1	613.4	1093.0	736.1	602.3	457.3	412.7
85°	290.0	323.4	*312.3*	200.8	200.8	446.1	256.5	245.4	178.5	178.5
87.5°	11.2	22.3	*11.2*	11.2	11.2	44.6	22.3	33.5	33.5	33.5
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: SP1-2407-184-11

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

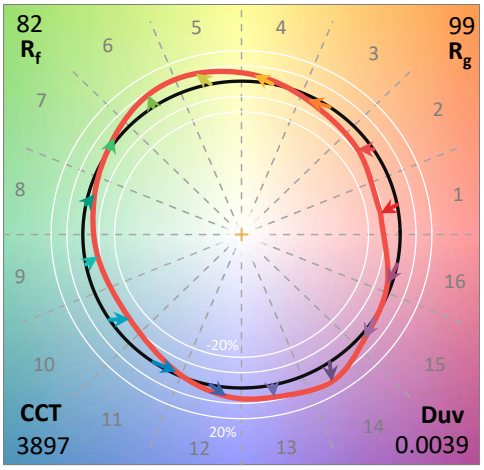
Test Information

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

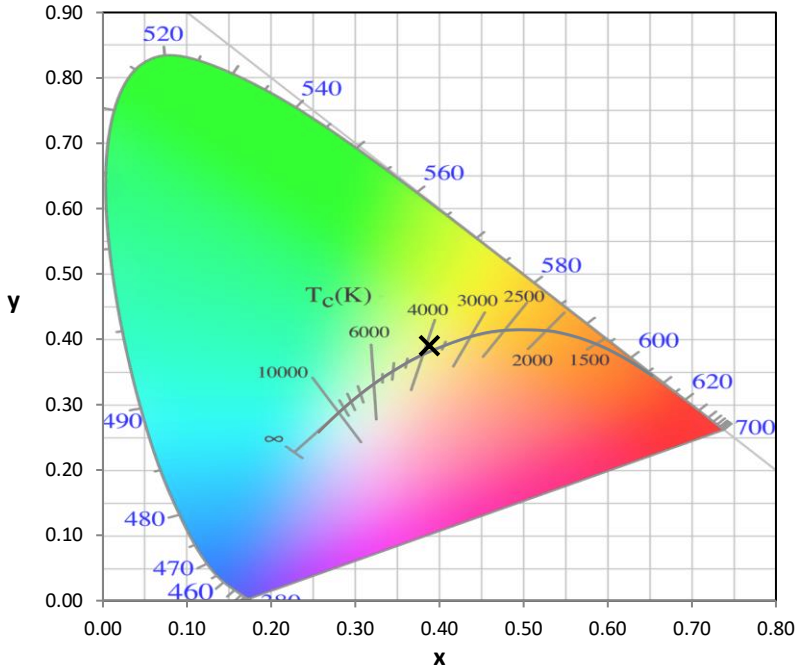
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

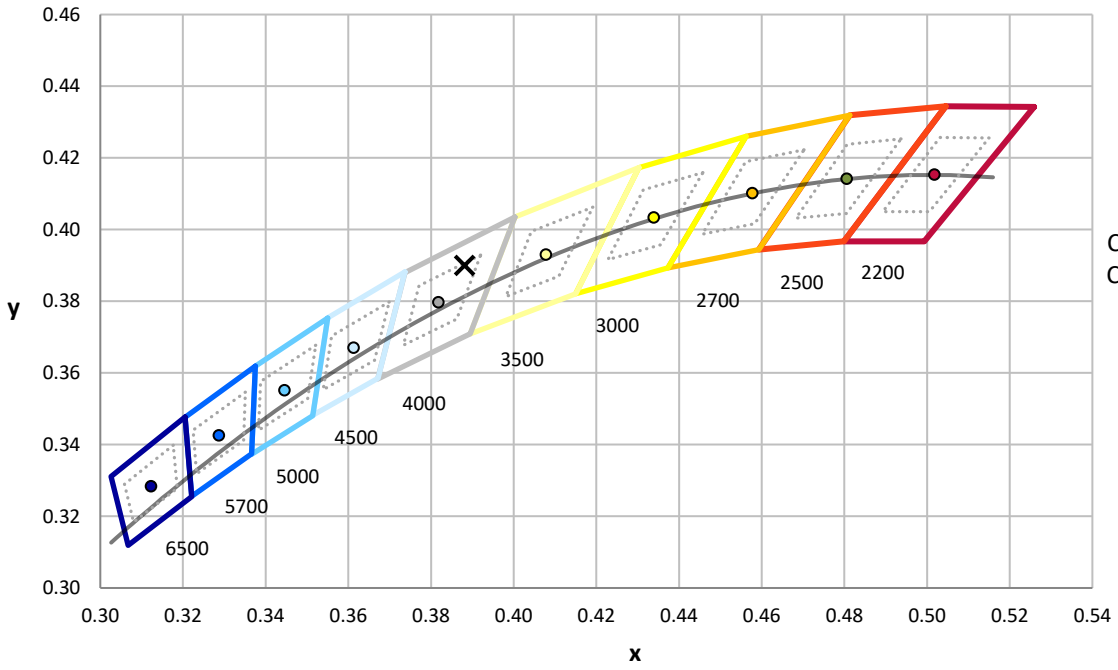
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

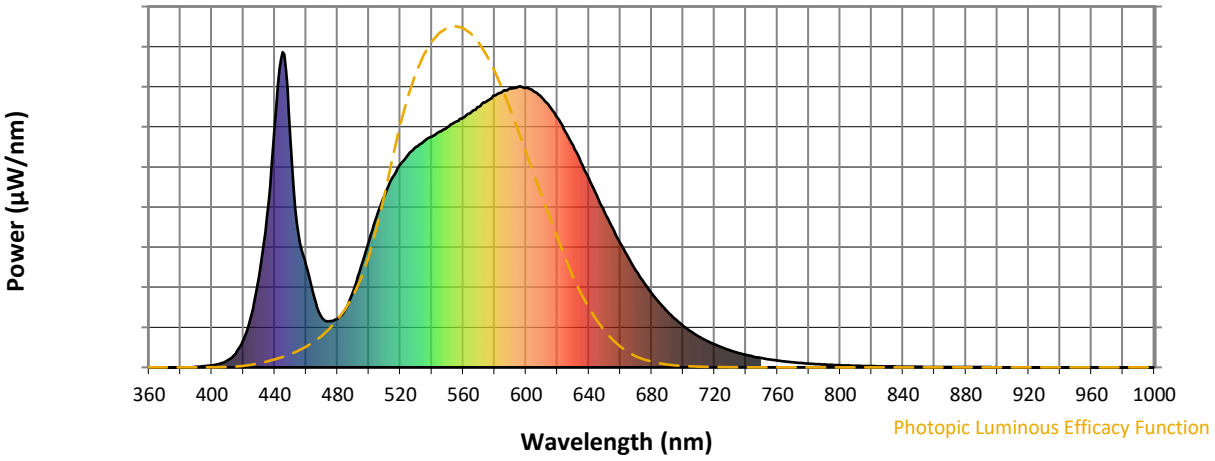


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

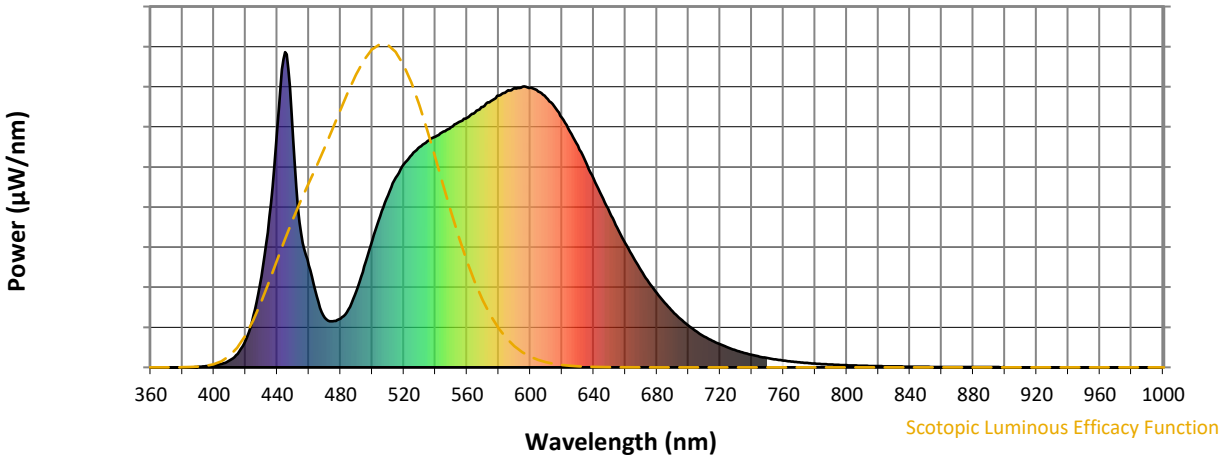


Photopic Lumens: NR

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

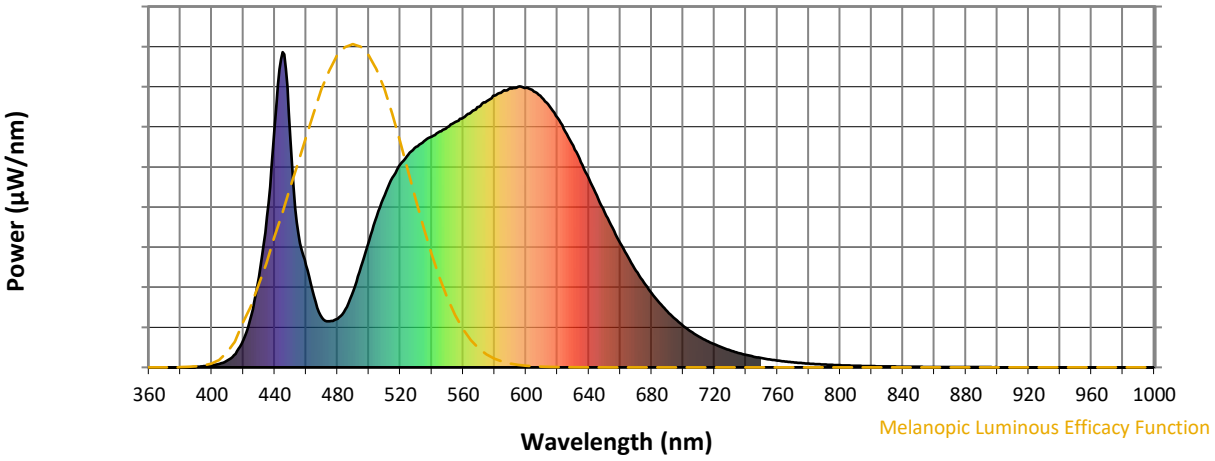


Scotopic Lumens: NR **S/P: 1.57**

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			

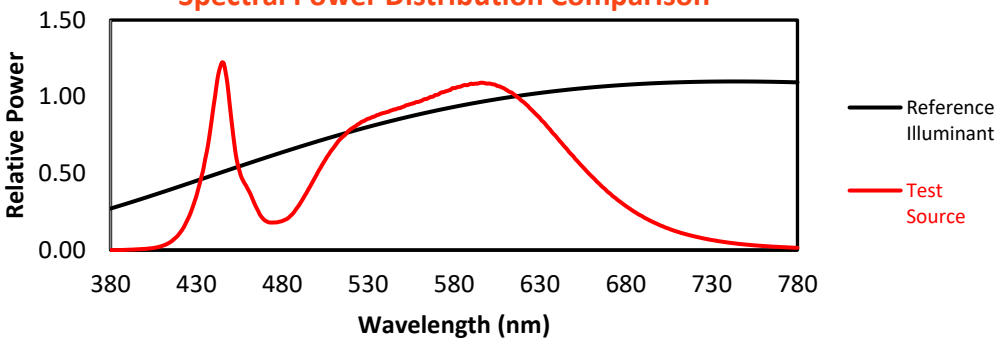
REPORT NUMBER: SP1-2407-184-11

TM-30-18

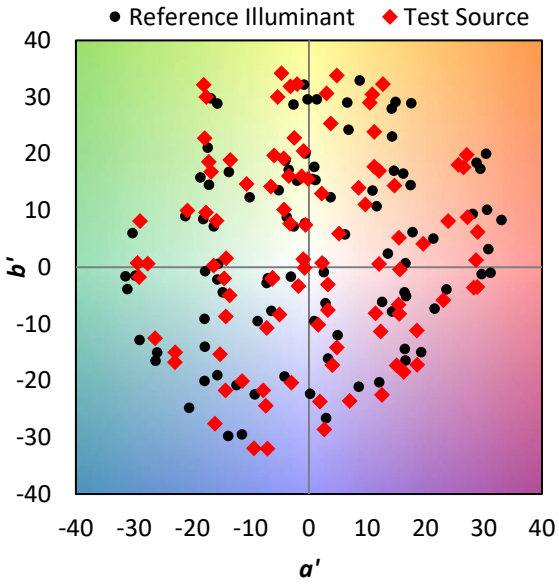
Summary

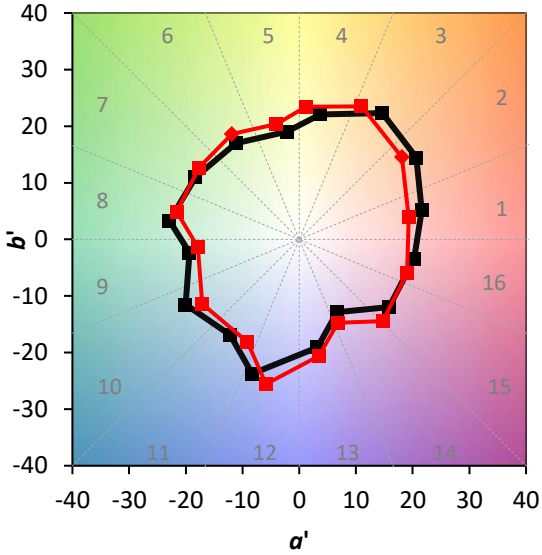
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

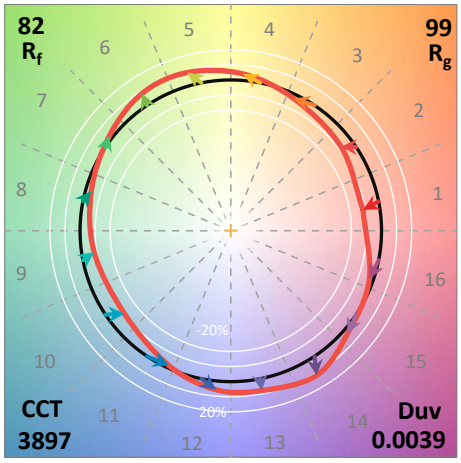
Spectral Power Distribution Comparison

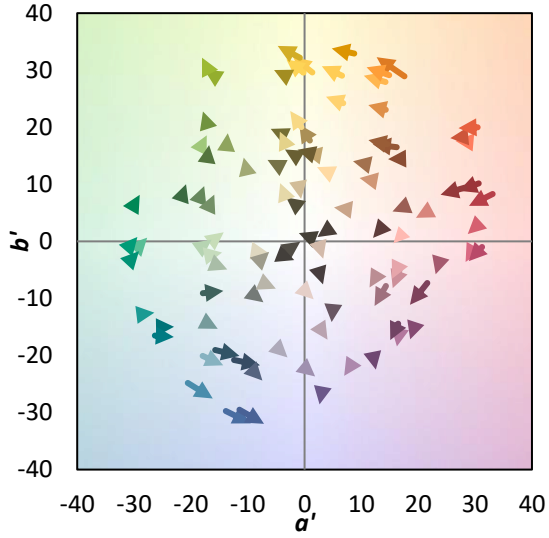


Color Vector Graphics







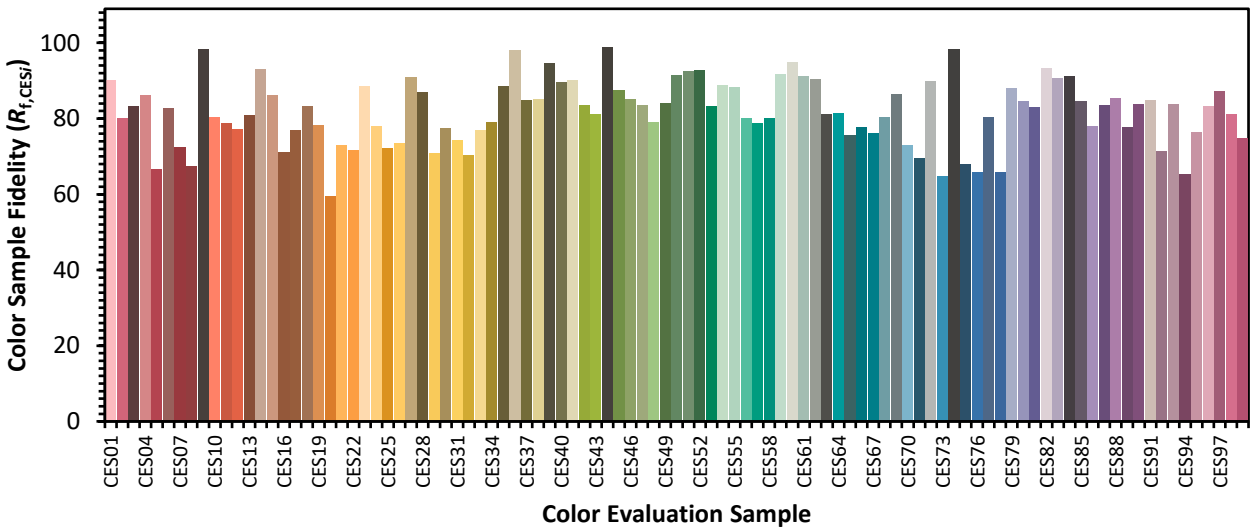


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Individual Sample Fidelity Index ($R_{f,i}$)

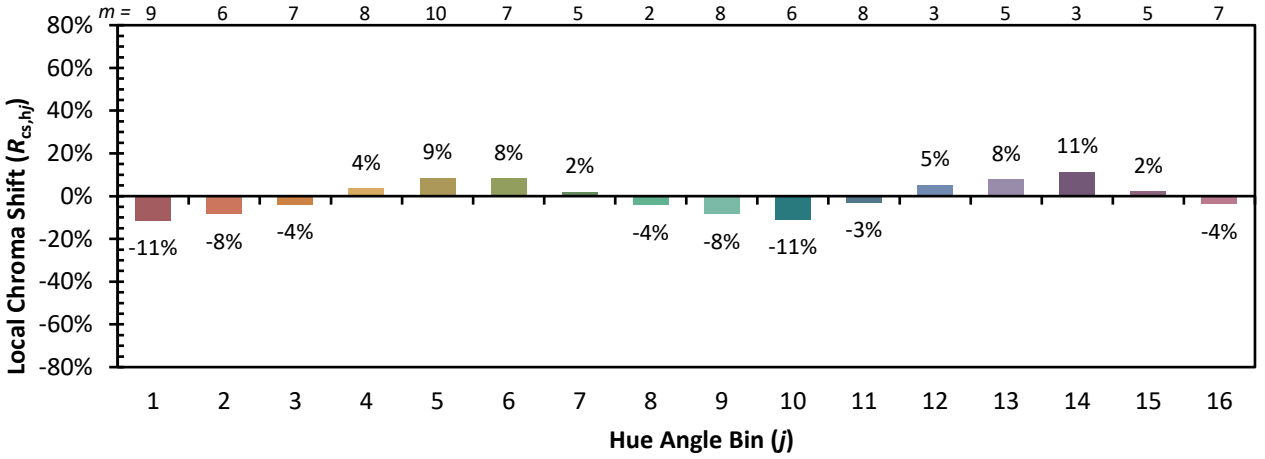
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 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	

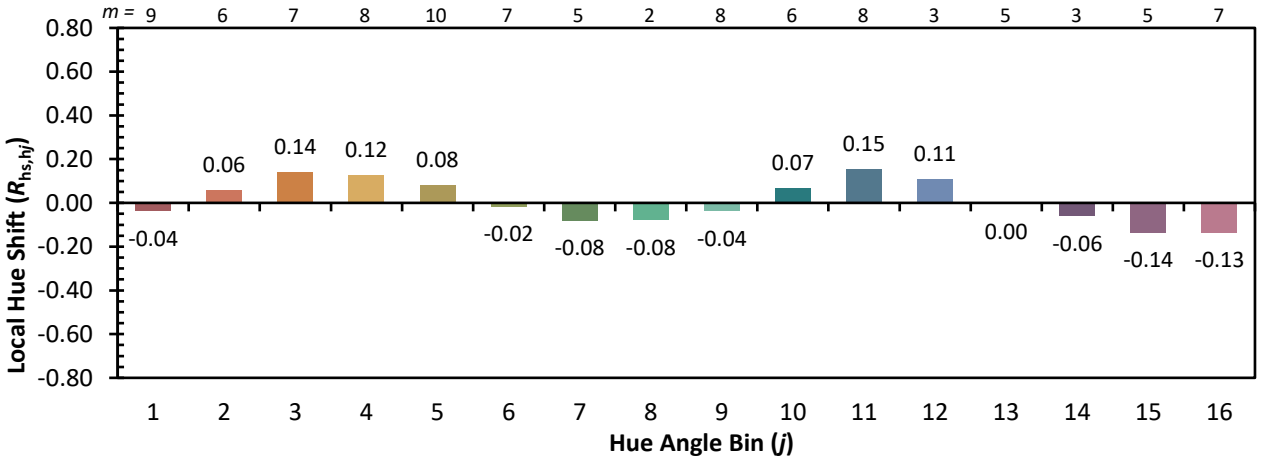


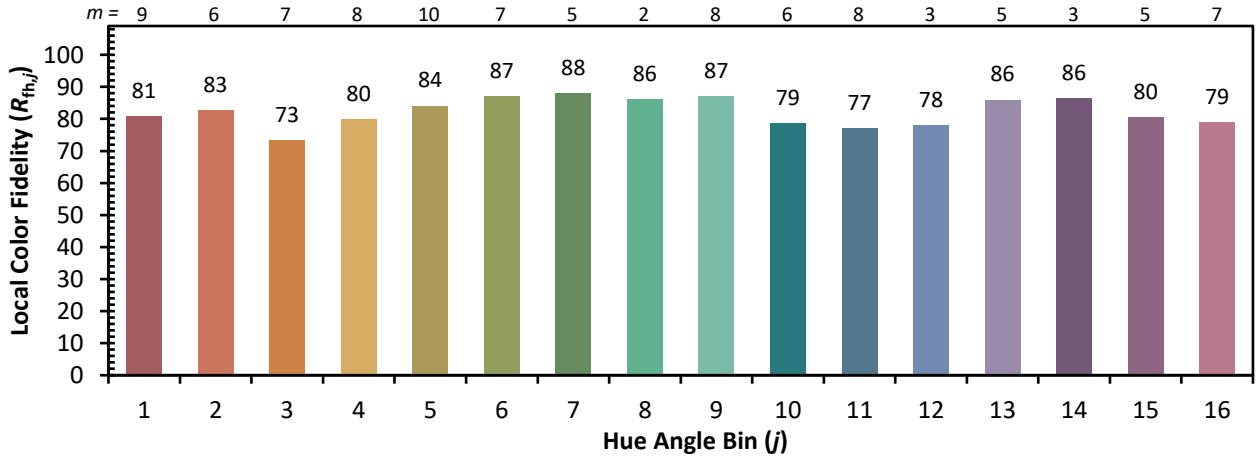
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Color Rendition by Hue-Angle Bin



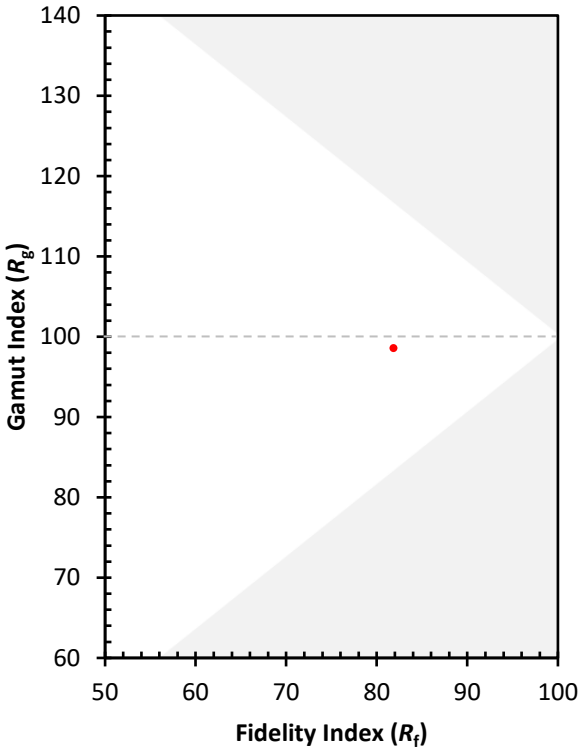


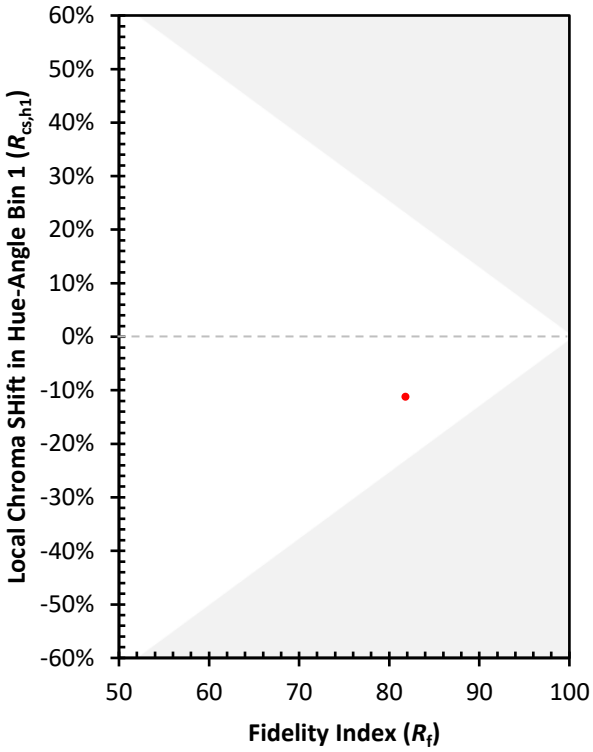


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Measure Comparisons





(END OF REPORT)