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: P1501460

Luminaire Tested: GSS-SB4D-750-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:	P1501460
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4D-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 238W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33763.6 lumens
Efficiency:	N/A
Efficacy:	141.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

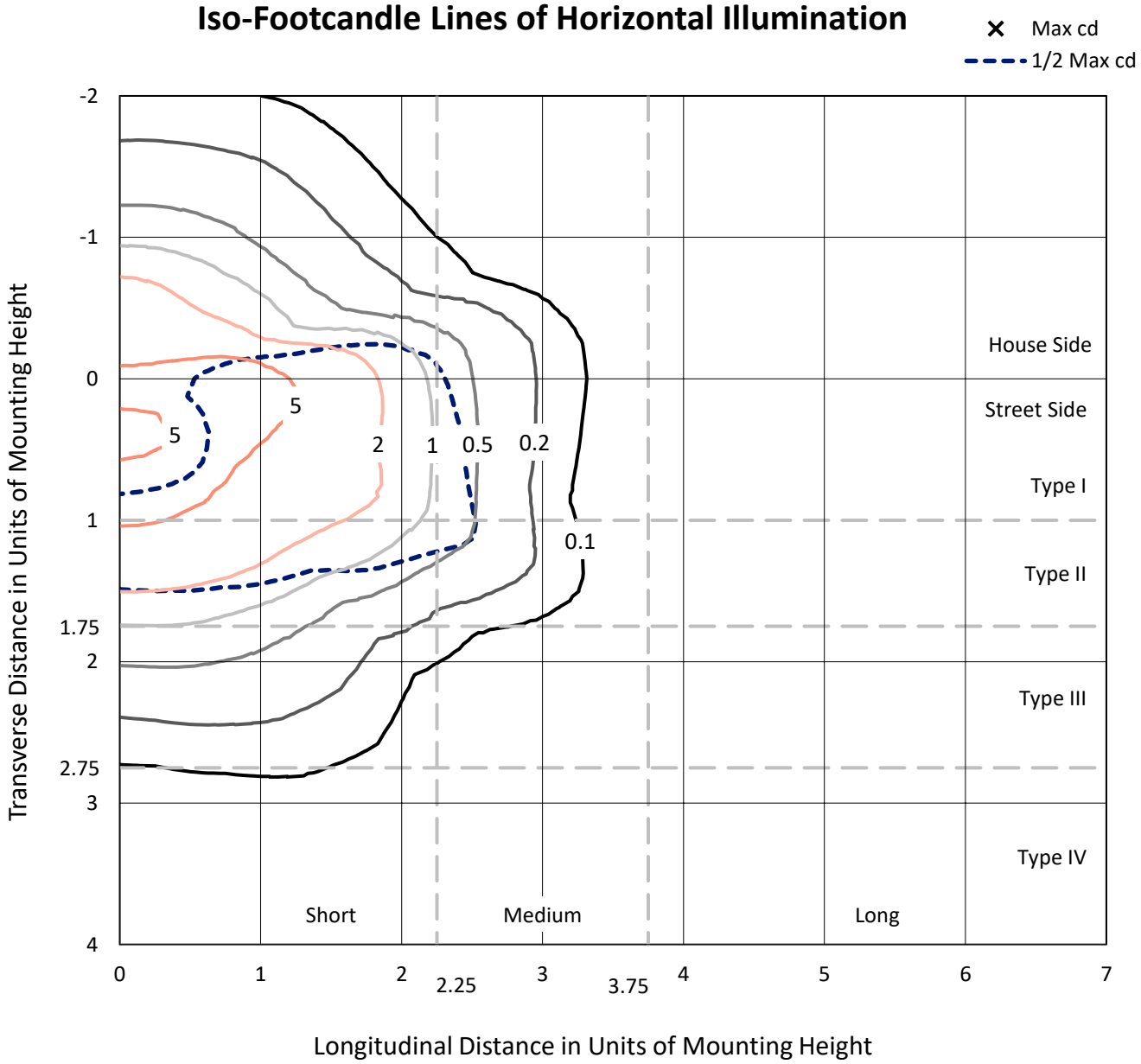
Input Watts (W):	238
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



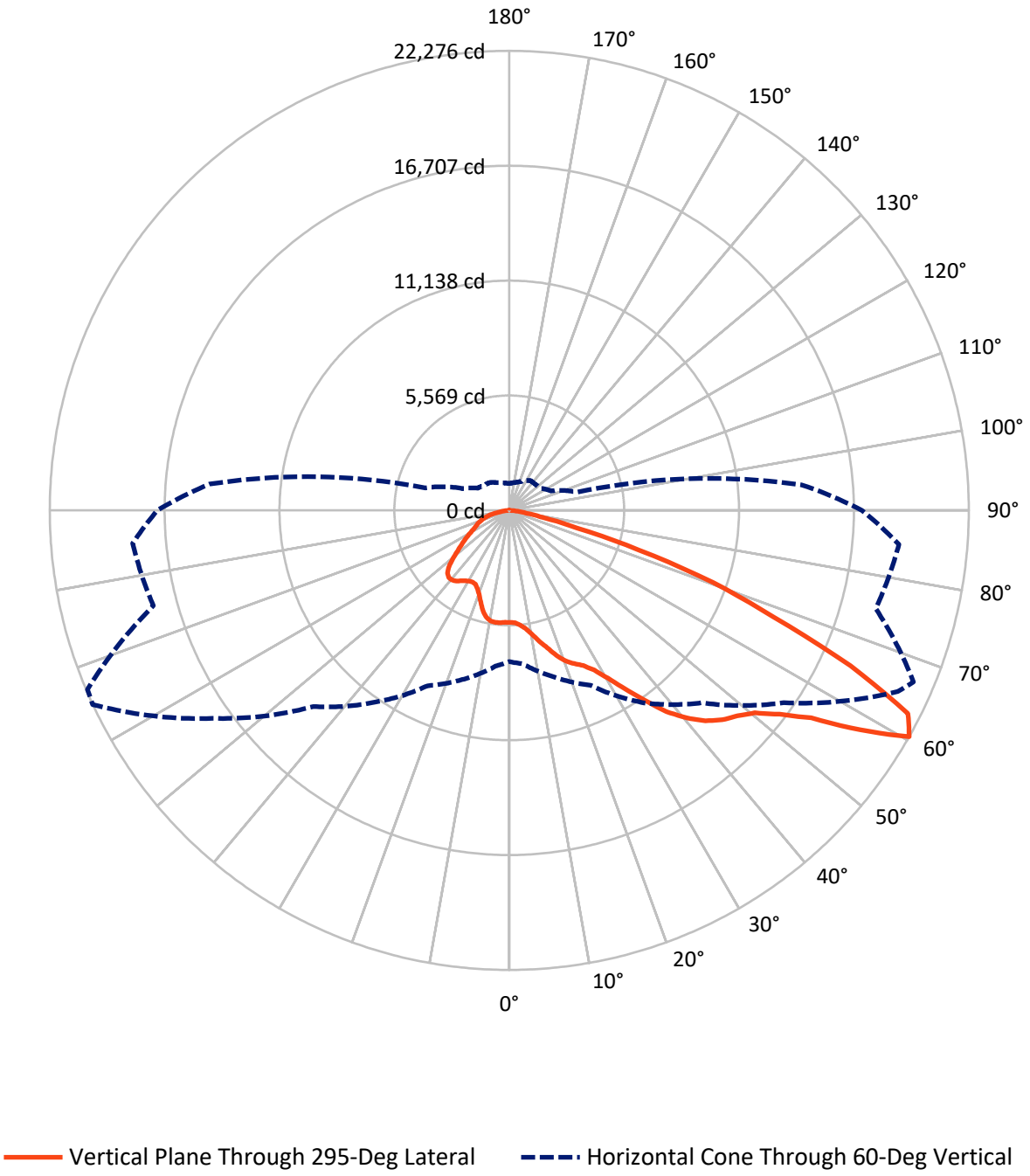
Based on 30 foot mounting height. Maximum calculated value = 9.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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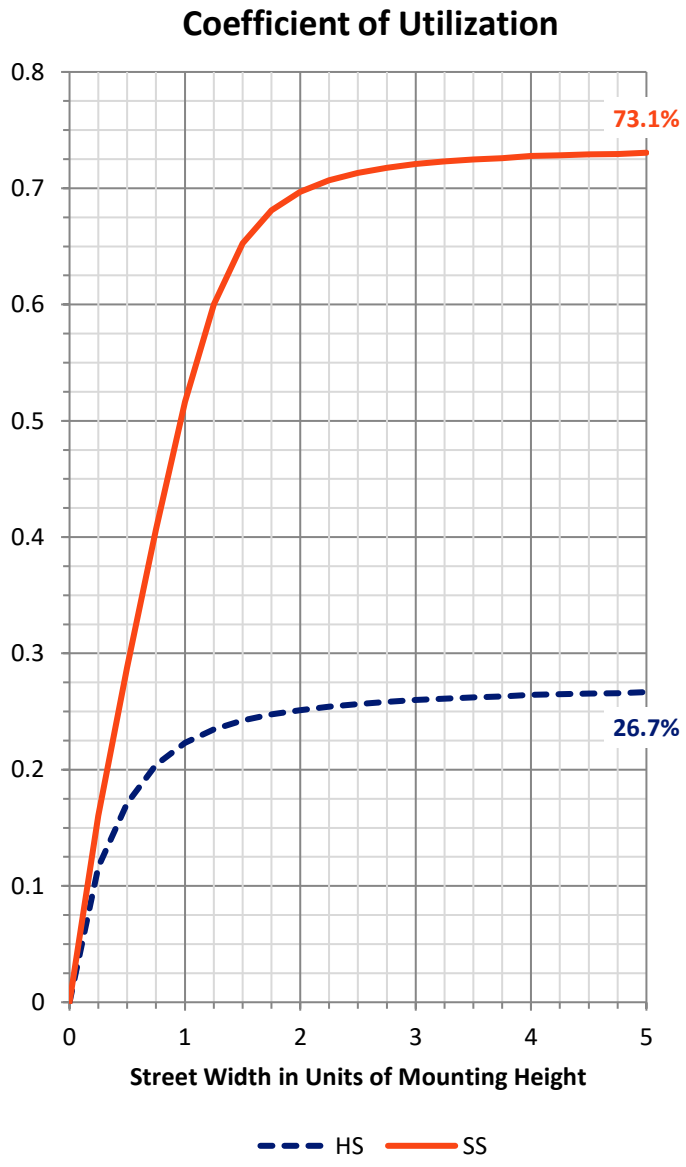
REPORT NUMBER: P1501460
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9079.4	0.0	9079.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	24684.1	0.0	24684.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	33763.6	0.0	33763.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.8	1.5
10°-20°	1468.3	4.3
20°-30°	2781.2	8.2
30°-40°	4903.1	14.5
40°-50°	7251.2	21.5
50°-60°	8514.9	25.2
60°-70°	6169.4	18.3
70°-80°	1902.6	5.6
80°-90°	261.9	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°	33763.6	100.0
0°-180°	33763.6	100.0



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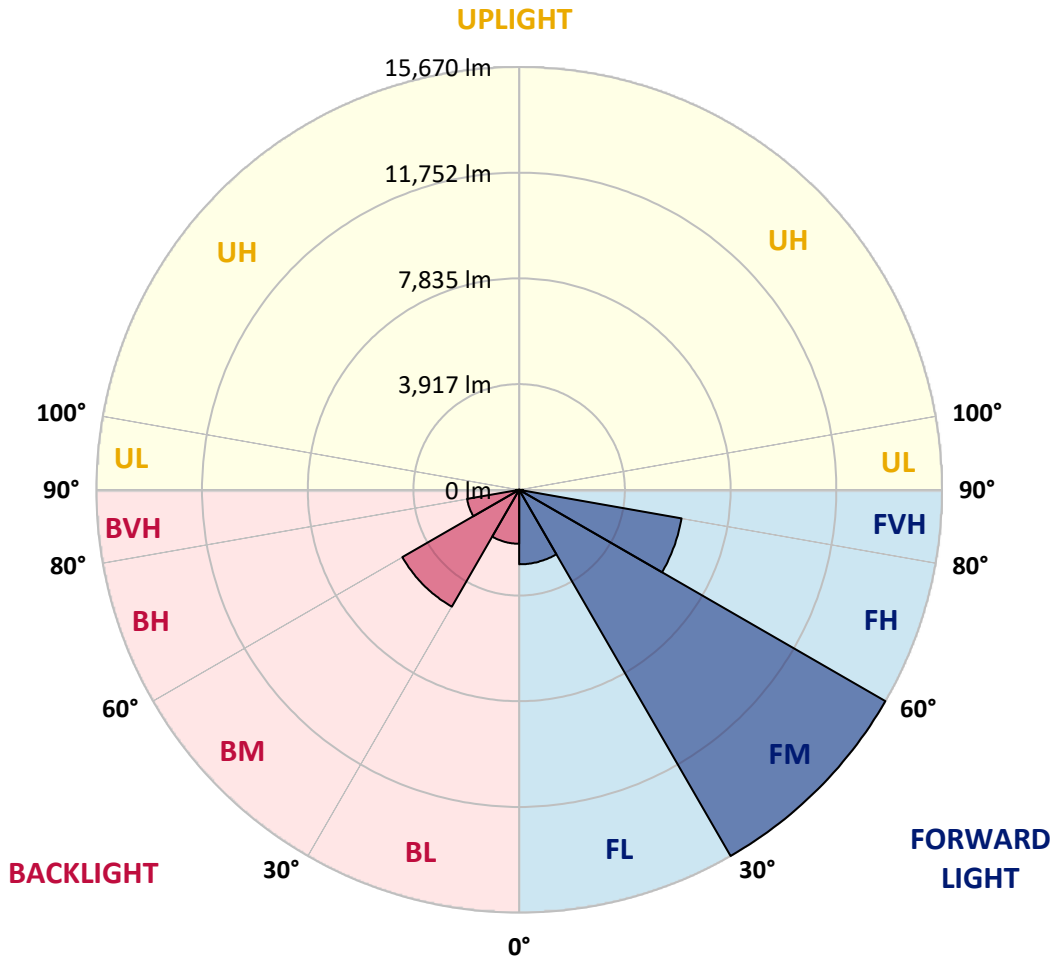
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2760.7	8.2			
FM	(30°-60°)	15669.9	46.4			
FH	(60°-80°)	6112.2	18.1			G3/7500
FVH	(80°-90°)	141.3	0.4			G2/225
BL	(0°-30°)	1999.6	5.9	B3/2500		
BM	(30°-60°)	4999.4	14.8	B3/5000		
BH	(60°-80°)	1959.8	5.8	B3/2500		G3/2500
BVH	(80°-90°)	120.6	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4
2.5°	5540.1	5555.5	5532.4	5547.8	5547.8	5524.7	5517.0	5486.3	5501.7	5494.0	5486.3
5°	5670.9	5678.6	5663.2	5686.3	5686.3	5694.0	5686.3	5647.8	5647.8	5647.8	5632.5
7.5°	5632.5	5632.5	5640.2	5717.1	5794.0	5894.1	5894.1	5878.7	5894.1	5886.4	5817.1
10°	5309.3	5340.1	5409.3	5601.7	5786.4	6001.8	6148.0	6194.2	6194.2	6201.9	6086.4
12.5°	4732.2	4755.3	4916.9	5209.3	5594.0	5986.4	6340.4	6571.2	6594.3	6632.8	6478.9
15°	4216.7	4232.0	4347.5	4647.5	5086.1	5778.7	6448.1	6925.2	7002.1	7163.7	6932.9
17.5°	4262.8	4255.1	4285.9	4401.3	4716.8	5440.1	6425.0	7340.7	7479.2	7763.9	7563.8
20°	4539.8	4539.8	4562.9	4586.0	4701.4	5193.9	6255.7	7679.2	7948.5	8502.6	8271.7
22.5°	4978.4	4978.4	4970.7	5009.2	5009.2	5301.6	6263.4	7933.2	8333.3	9325.9	9102.7
25°	5586.3	5555.5	5555.5	5570.9	5501.7	5709.4	6455.8	8194.8	8718.0	10303.1	10110.7
27.5°	6271.1	6294.2	6278.8	6224.9	6132.6	6294.2	6917.5	8602.6	9148.9	11334.2	11257.2
30°	7017.5	7025.2	7040.6	7009.8	6932.9	7048.3	7640.8	9218.2	9718.3	12411.4	12580.7
32.5°	7748.5	7856.2	7817.7	7740.8	7771.6	7979.3	8533.3	10049.2	10564.7	13411.7	14011.9
35°	8679.5	8718.0	8871.9	8587.2	8594.9	8948.8	9672.1	11141.8	11642.0	14450.5	15443.1
37.5°	10033.8	10103.0	10033.8	9587.5	9518.2	10010.7	10780.2	12219.1	12580.7	15235.3	16774.3
40°	11364.9	11449.6	11565.0	11041.8	10603.2	11011.0	11826.6	13042.4	13419.4	15666.2	17659.1
42.5°	12465.3	12603.8	12480.7	12326.8	11926.7	12003.6	12557.6	13681.0	14058.1	16212.6	18551.7
45°	13396.3	13419.4	13473.3	13365.5	13165.5	13096.2	13180.9	14242.7	14658.2	16458.8	18990.3
47.5°	13781.1	13881.1	13927.3	14111.9	14319.7	14181.2	13711.8	14504.4	14881.4	16443.4	19128.8
50°	13573.3	13673.3	13919.6	14358.2	14858.3	15104.5	14335.1	14866.0	15289.2	16720.4	19413.5
52.5°	13027.0	13134.7	13534.8	14035.0	14873.7	15435.4	15212.3	15620.1	16027.9	17212.9	19890.6
55°	11703.5	11865.1	12426.8	13257.8	14412.0	15258.4	16135.6	16728.1	17174.4	17805.3	20383.0
57.5°	9779.9	9949.1	10580.1	11826.6	13557.9	14527.4	16404.9	18805.6	19005.7	18513.2	20429.2
60°	*7325.3*	*7463.8*	*8356.4*	*9356.7*	*11388.0*	*13188.6*	*16251.0*	*20775.5*	*21283.3*	*18390.1*	*18959.5*
62.5°	5801.7	5971.0	6763.6	7225.2	8679.5	10895.6	15712.4	21321.8	21760.4	17374.4	16912.8
65°	4532.1	4647.5	5386.2	6048.0	6401.9	7440.7	13465.6	18651.8	19044.2	15720.1	13958.0
67.5°	2993.2	3170.2	4047.4	4955.3	5140.0	4732.2	9264.3	14350.5	14535.1	12496.1	10495.5
70°	2146.8	2231.4	2885.5	3855.0	4132.0	3170.2	5047.7	10864.8	10918.7	8387.1	7071.4
72.5°	1462.0	1477.4	1962.1	2954.7	3293.3	2300.7	2777.8	7156.0	6971.3	4139.7	4047.4
75°	992.6	1008.0	1254.2	1969.8	2331.5	1600.5	1808.2	3901.2	3747.3	2285.3	2454.6
77.5°	669.4	684.8	861.8	1323.5	1554.3	1108.0	1323.5	2062.2	2023.7	1515.8	1315.8
80°	507.8	530.9	638.7	846.4	1084.9	646.3	754.1	977.2	992.6	807.9	669.4
82.5°	284.7	315.5	384.7	430.9	700.2	361.6	361.6	584.8	561.7	500.2	361.6
85°	123.1	130.8	153.9	161.6	284.7	153.9	130.8	253.9	261.6	246.2	115.4
87.5°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	30.8	30.8	30.8	30.8
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°	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4
2.5°	5447.8	5494.0	5447.8	5424.7	5424.7	5386.2	5370.8	5370.8	5317.0	5340.1	5324.7
5°	5570.9	5586.3	5532.4	5463.2	5370.8	5293.9	5186.2	5047.7	4963.0	4955.3	4963.0
7.5°	5763.3	5771.0	5624.8	5470.9	5240.0	4963.0	4632.2	4362.8	4124.3	4085.8	4132.0
10°	6032.6	6017.2	5801.7	5440.1	4955.3	4370.5	3862.7	3616.5	3478.0	3470.3	3462.6
12.5°	6394.2	6294.2	5963.3	5309.3	4462.9	3785.8	3524.1	3508.7	3547.2	3578.0	3585.7
15°	6809.7	6678.9	6094.1	5055.4	3962.7	3570.3	3585.7	3716.5	3762.7	3793.4	3793.4
17.5°	7325.3	7156.0	6240.3	4693.7	3708.8	3616.5	3724.2	3847.3	3924.3	3955.0	3947.3
20°	8010.1	7656.1	6355.8	4347.5	3639.6	3693.4	3785.8	3908.9	3985.8	4024.3	4024.3
22.5°	8694.9	8256.3	6378.8	4108.9	3639.6	3701.1	3785.8	3908.9	3993.5	4032.0	4024.3
25°	9626.0	9025.8	6386.5	3939.6	3647.2	3662.6	3739.6	3847.3	3970.4	4008.9	4024.3
27.5°	10618.6	9872.2	6425.0	3901.2	3616.5	3608.8	3662.6	3762.7	3885.8	3985.8	3993.5
30°	11849.7	10826.3	6440.4	3939.6	3624.2	3524.1	3562.6	3662.6	3793.4	3893.5	3924.3
32.5°	13057.8	11711.2	6409.6	4024.3	3639.6	3470.3	3478.0	3539.5	3678.0	3747.3	3801.1
35°	14335.1	12650.0	6355.8	4139.7	3647.2	3447.2	3377.9	3408.7	3501.1	3508.7	3531.8
37.5°	15335.4	13350.2	6194.2	4293.6	3662.6	3362.5	3224.0	3201.0	3162.5	3085.5	3100.9
40°	16158.7	13819.5	5924.9	4370.5	3624.2	3262.5	3031.7	2924.0	2777.8	2662.3	2685.4
42.5°	16751.2	14135.0	5601.7	4385.9	3562.6	3093.2	2808.5	2623.9	2462.3	2339.2	2346.9
45°	17012.8	14104.2	5255.4	4270.5	3416.4	2885.5	2600.8	2423.8	2246.8	2116.0	2100.6
47.5°	17020.5	13804.1	4778.4	3993.5	3170.2	2646.9	2408.4	2216.0	2069.9	1977.5	1969.8
50°	17082.1	13634.9	4332.1	3593.4	2847.0	2393.0	2239.1	2046.8	1962.1	1831.3	1792.8
52.5°	17466.8	13911.9	4024.3	3154.8	2546.9	2208.4	2092.9	1923.7	1785.2	1700.5	1692.8
55°	18090.0	14388.9	3855.0	2823.9	2262.2	2031.4	1954.4	1808.2	1685.1	1600.5	1577.4
57.5°	18167.0	14635.2	3654.9	2516.1	2031.4	1892.9	1862.1	1700.5	1523.5	1462.0	1438.9
60°	*17089.7*	*14219.7*	*3408.7*	*2231.4*	*1862.1*	*1785.2*	*1769.8*	*1554.3*	*1408.1*	*1331.2*	*1300.4*
62.5°	15620.1	13180.9	3031.7	1969.8	1731.3	1677.4	1615.9	1446.6	1261.9	1177.3	1154.2
65°	12765.4	11080.2	2577.7	1792.8	1600.5	1538.9	1523.5	1292.7	1169.6	1123.4	1115.7
67.5°	9672.1	8902.7	2269.9	1662.0	1462.0	1438.9	1385.0	1308.1	1254.2	1200.4	1185.0
70°	6840.5	6425.0	1931.3	1492.8	1323.5	1285.0	1508.1	1423.5	1231.1	1161.9	1154.2
72.5°	4147.4	4032.0	1669.7	1338.9	1138.8	1200.4	1392.7	1285.0	1108.0	1023.4	992.6
75°	2616.2	2393.0	1400.4	1138.8	908.0	977.2	1215.7	1146.5	954.1	869.5	846.4
77.5°	1423.5	1323.5	1054.2	931.0	715.6	792.5	1061.9	946.4	761.8	831.0	738.7
80°	623.3	692.5	700.2	538.6	477.1	584.8	761.8	738.7	584.8	592.5	492.5
82.5°	300.1	392.4	454.0	369.3	269.3	346.3	507.8	423.2	392.4	369.3	354.0
85°	92.3	146.2	200.1	177.0	123.1	146.2	238.5	230.8	277.0	238.5	223.1
87.5°	30.8	30.8	23.1	23.1	23.1	30.8	38.5	23.1	7.7	7.7	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°	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4
2.5°	5317.0	5324.7	5324.7	5332.4	5332.4	5355.5	5386.2	5417.0	5393.9	5424.7	5432.4
5°	4947.6	4986.1	5016.9	5132.3	5224.6	5301.6	5386.2	5463.2	5486.3	5501.7	5540.1
7.5°	4078.1	4185.9	4385.9	4647.5	4939.9	5224.6	5417.0	5617.1	5647.8	5686.3	5740.2
10°	3470.3	3516.4	3654.9	3924.3	4447.5	5009.2	5478.6	5794.0	5924.9	6001.8	6055.7
12.5°	3570.3	3539.5	3516.4	3554.9	3893.5	4616.8	5440.1	6048.0	6294.2	6378.8	6448.1
15°	3808.8	3778.1	3693.4	3585.7	3624.2	4201.3	5309.3	6286.5	6678.9	6817.4	6963.6
17.5°	3947.3	3916.6	3847.3	3731.9	3631.9	3855.0	5063.1	6502.0	7286.8	7456.1	7663.8
20°	4024.3	3993.5	3924.3	3808.8	3693.4	3724.2	4747.6	6771.3	7979.3	8248.6	8556.4
22.5°	4039.7	4001.2	3924.3	3808.8	3739.6	3716.5	4447.5	6932.9	8725.7	9141.2	9495.2
25°	4032.0	3962.7	3862.7	3778.1	3739.6	3731.9	4239.7	7025.2	9533.6	10195.4	10595.5
27.5°	3978.1	3893.5	3793.4	3731.9	3716.5	3762.7	4147.4	7132.9	10480.1	11326.5	11965.1
30°	3916.6	3793.4	3670.3	3647.2	3685.7	3831.9	4224.3	7171.4	11472.7	12557.6	13211.7
32.5°	3755.0	3662.6	3539.5	3531.8	3624.2	3885.8	4401.3	7117.5	12349.9	13788.8	14612.1
35°	3524.1	3470.3	3401.0	3424.1	3570.3	3931.9	4524.4	6948.2	13150.1	14935.3	15897.1
37.5°	3116.3	3154.8	3193.3	3247.1	3431.8	3924.3	4578.3	6678.9	13811.8	15850.9	17082.1
40°	2662.3	2793.1	2916.3	3054.8	3301.0	3862.7	4593.7	6348.1	14196.6	16543.4	18136.2
42.5°	2377.6	2500.8	2654.6	2854.7	3124.0	3724.2	4578.3	5978.7	14319.7	17020.5	18805.6
45°	2116.0	2262.2	2454.6	2662.3	2970.1	3524.1	4439.8	5578.6	14381.2	17243.6	19090.3
47.5°	1977.5	2062.2	2239.1	2446.9	2770.1	3277.9	4170.5	5286.2	14288.9	17289.8	19436.6
50°	1815.9	1931.3	2046.8	2246.8	2562.3	2970.1	3847.3	5116.9	14442.8	17743.8	19982.9
52.5°	1692.8	1754.4	1877.5	2062.2	2293.0	2685.4	3539.5	4978.4	14866.0	18205.5	20552.3
55°	1600.5	1669.7	1746.7	1900.6	2077.5	2400.7	3224.0	4770.7	15358.5	18697.9	21121.7
57.5°	1454.3	1500.5	1608.2	1769.8	1885.2	2123.7	2854.7	4524.4	15320.0	18313.2	20136.8
60°	*1323.5*	*1369.6*	*1485.1*	*1646.6*	*1715.9*	*1877.5*	*2493.1*	*4209.0*	*14581.3*	*17059.0*	*18320.9*
62.5°	1177.3	1231.1	1369.6	1485.1	1546.6	1669.7	2116.0	3631.9	13042.4	15173.8	16197.2
65°	1115.7	1146.5	1238.8	1377.3	1369.6	1485.1	1785.2	2854.7	10495.5	11595.8	12526.8
67.5°	1185.0	1231.1	1215.7	1254.2	1231.1	1292.7	1600.5	2293.0	8248.6	8733.4	9272.0
70°	1169.6	1277.3	1331.2	1254.2	1077.2	1146.5	1385.0	1831.3	5901.8	5855.6	5832.5
72.5°	1023.4	1131.1	1285.0	1361.9	1054.2	954.1	1200.4	1585.1	3785.8	3770.4	3408.7
75°	869.5	946.4	1131.1	1231.1	908.0	769.5	1031.1	1346.6	2262.2	2293.0	2046.8
77.5°	800.2	761.8	946.4	1084.9	738.7	592.5	831.0	1015.7	1246.5	1261.9	1169.6
80°	577.1	554.0	707.9	792.5	561.7	423.2	469.4	631.0	669.4	600.2	623.3
82.5°	369.3	377.0	423.2	507.8	346.3	230.8	323.2	423.2	361.6	292.4	346.3
85°	238.5	269.3	223.1	261.6	107.7	107.7	138.5	184.7	123.1	84.6	92.3
87.5°	0.0	0.0	15.4	30.8	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: P1501460
CATALOG NUMBER: GSS-SB4D-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5432.4	5432.4	*5432.4*	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4	5432.4
2.5°	5455.5	5447.8	*5447.8*	5463.2	5501.7	5517.0	5540.1	5532.4	5555.5	5540.1
5°	5563.2	5570.9	*5594.0*	5601.7	5624.8	5655.5	5663.2	5655.5	5670.9	5670.9
7.5°	5778.7	5809.4	*5794.0*	5832.5	5801.7	5763.3	5701.7	5655.5	5617.1	5632.5
10°	6140.3	6124.9	*6117.2*	6048.0	5909.5	5709.4	5547.8	5370.8	5340.1	5309.3
12.5°	6540.4	6525.0	*6525.0*	6286.5	5894.1	5478.6	5109.2	4832.2	4739.9	4732.2
15°	7102.1	7002.1	*6909.8*	6409.6	5624.8	4916.9	4486.0	4270.5	4216.7	4216.7
17.5°	7802.3	7540.7	*7386.8*	6317.3	5186.2	4547.5	4293.6	4239.7	4224.3	4262.8
20°	8671.8	8010.1	*7787.0*	6109.5	5024.6	4593.7	4470.6	4478.3	4486.0	4539.8
22.5°	9626.0	8441.0	*8071.7*	6109.5	5186.2	4886.1	4824.5	4909.2	4932.2	4978.4
25°	10687.8	8825.7	*8325.6*	6432.7	5663.2	5440.1	5363.1	5447.8	5509.3	5586.3
27.5°	11880.5	9225.8	*8764.2*	7017.5	6278.8	6140.3	6055.7	6094.1	6178.8	6271.1
30°	12950.0	9895.3	*9433.6*	7910.1	7117.5	6948.2	6802.0	6863.6	6955.9	7017.5
32.5°	13896.5	10710.9	*10318.5*	8848.8	8079.3	7787.0	7625.4	7610.0	7794.6	7748.5
35°	14766.0	11672.7	*11295.7*	9918.4	9056.6	8694.9	8479.5	8756.5	8633.4	8679.5
37.5°	15450.8	12673.0	*12372.9*	10941.7	10072.3	9579.8	9449.0	9787.6	9979.9	10033.8
40°	16012.5	13542.5	*13227.0*	11957.4	11003.3	10641.7	10849.4	11411.1	11388.0	11364.9
42.5°	16443.4	14288.9	*13942.6*	12726.9	11895.9	11965.1	12126.7	12503.8	12596.1	12465.3
45°	16635.8	14758.3	*14481.3*	13334.8	12911.6	13311.7	13380.9	13542.5	13481.0	13396.3
47.5°	16858.9	15173.8	*14881.4*	13888.8	14011.9	14404.3	14265.8	14135.0	13911.9	13781.1
50°	17235.9	15666.2	*15420.0*	14696.7	15143.0	15012.2	14473.6	14181.2	13727.2	13573.3
52.5°	17951.5	16597.3	*16412.6*	15974.0	15673.9	14919.9	14265.8	13742.6	13234.7	13027.0
55°	18590.2	17859.2	*17751.5*	17166.7	15512.3	14435.1	13557.9	12750.0	11880.5	11703.5
57.5°	18959.5	19952.1	*20075.3*	17674.5	14773.7	13334.8	12042.1	10749.4	9926.1	9779.9
60°	*17859.2*	*22214.4*	*22275.9*	*17574.5*	*13442.5*	*11349.6*	*9379.7*	*8464.1*	*7579.2*	*7325.3*
62.5°	16343.4	21745.0	*21691.1*	16974.3	10703.2	8279.4	7125.2	6694.3	6009.5	5801.7
65°	14050.4	18113.1	*18174.7*	14665.9	7117.5	5986.4	5986.4	5440.1	4678.3	4532.1
67.5°	11449.6	13965.7	*13827.2*	9510.5	4370.5	4793.7	5024.6	4239.7	3170.2	2993.2
70°	7440.7	10664.7	*10472.4*	5486.3	2747.0	3993.5	3955.0	3185.6	2269.9	2146.8
72.5°	3201.0	6163.4	*6555.8*	2800.8	2069.9	3216.3	3154.8	2231.4	1515.8	1462.0
75°	1931.3	3100.9	*3377.9*	1785.2	1508.1	2423.8	2185.3	1415.8	1031.1	992.6
77.5°	1223.4	1700.5	*1685.1*	1338.9	1131.1	1639.0	1469.7	977.2	700.2	669.4
80°	707.9	838.7	*869.5*	838.7	761.8	1169.6	938.7	707.9	546.3	507.8
82.5°	454.0	523.2	*530.9*	407.8	423.2	754.1	507.8	415.5	315.5	284.7
85°	200.1	223.1	*215.4*	138.5	138.5	307.8	177.0	169.3	123.1	123.1
87.5°	7.7	15.4	*7.7*	7.7	7.7	30.8	15.4	23.1	23.1	23.1
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

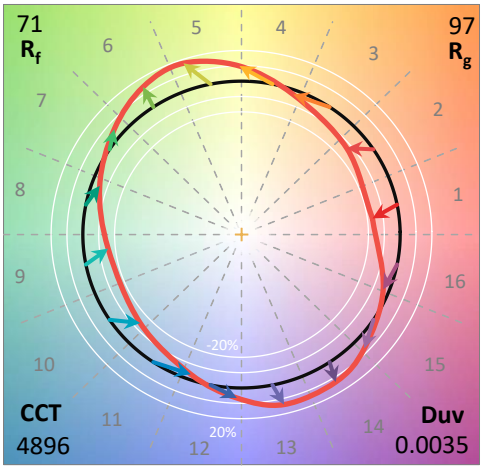
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

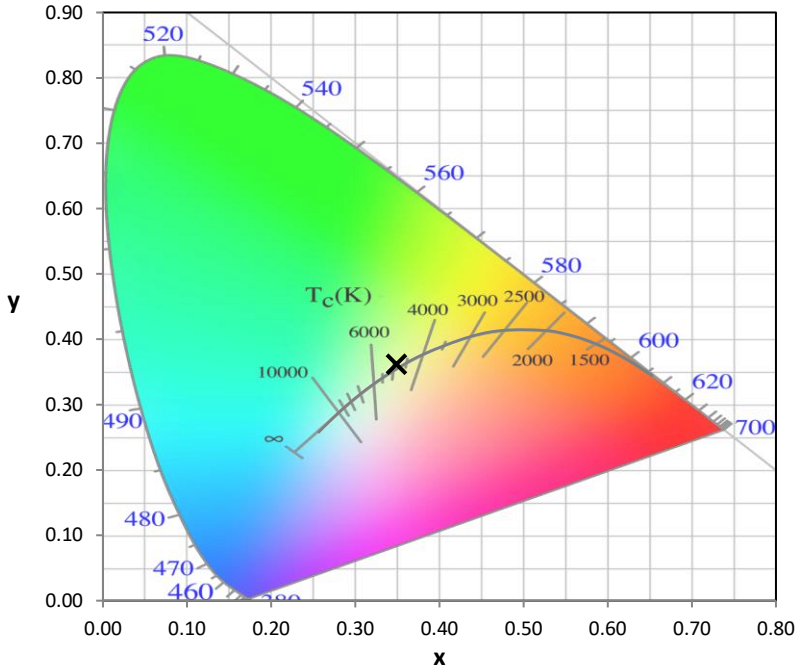
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

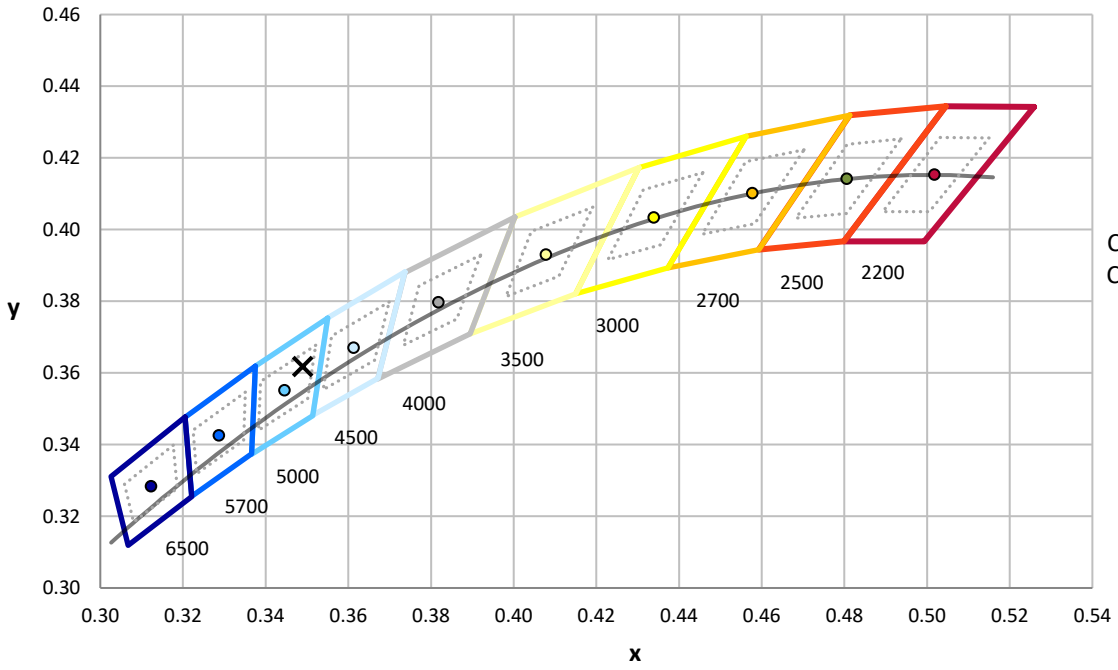
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

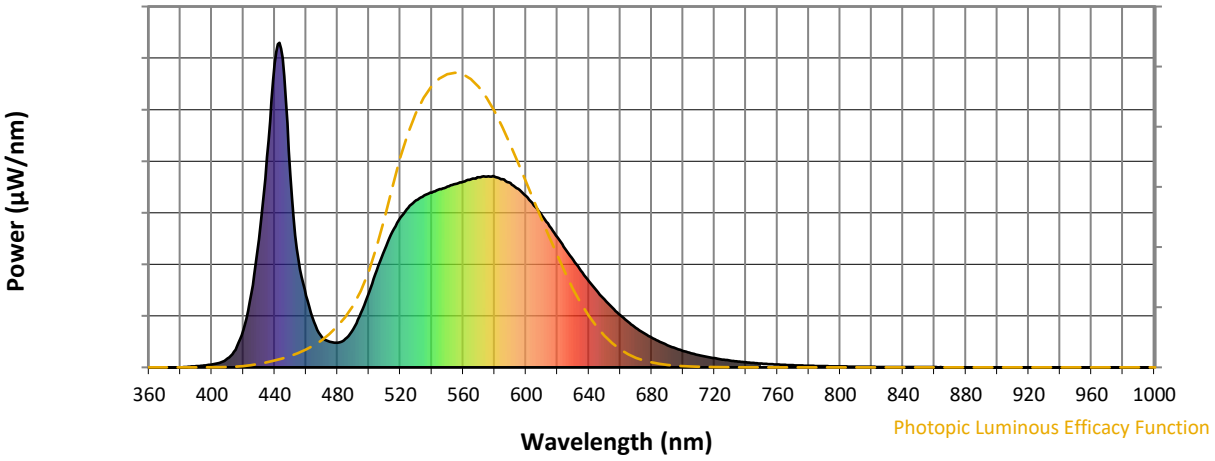


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

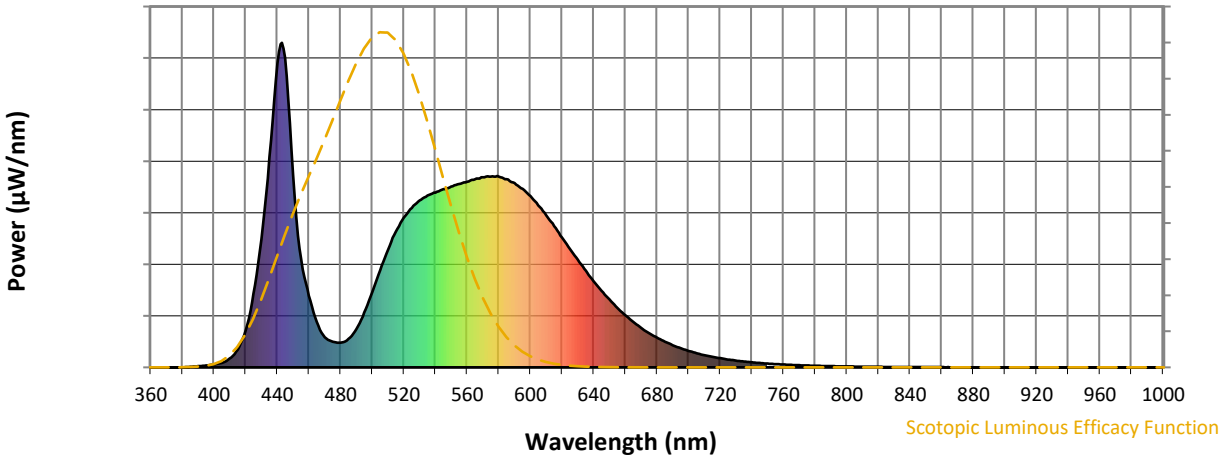


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

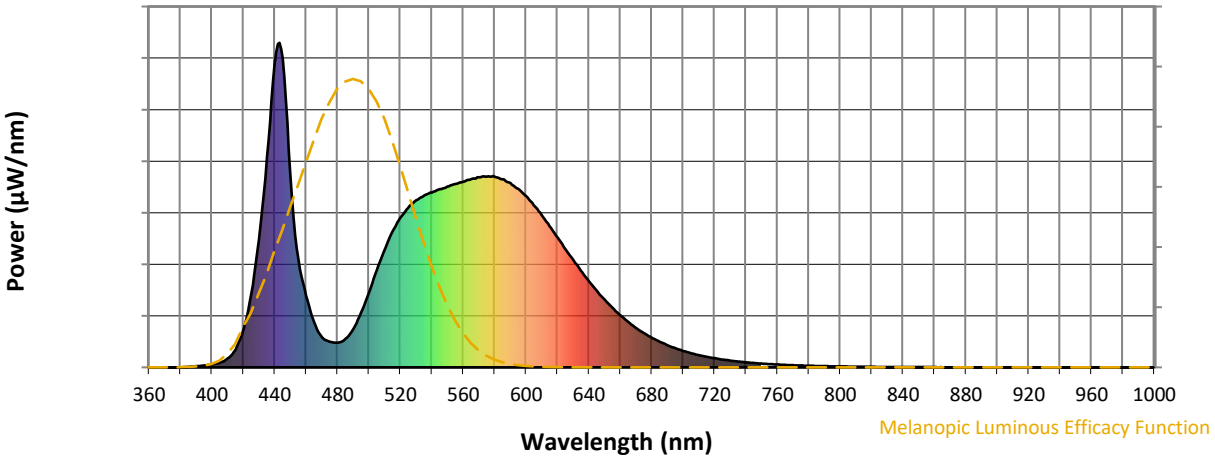


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

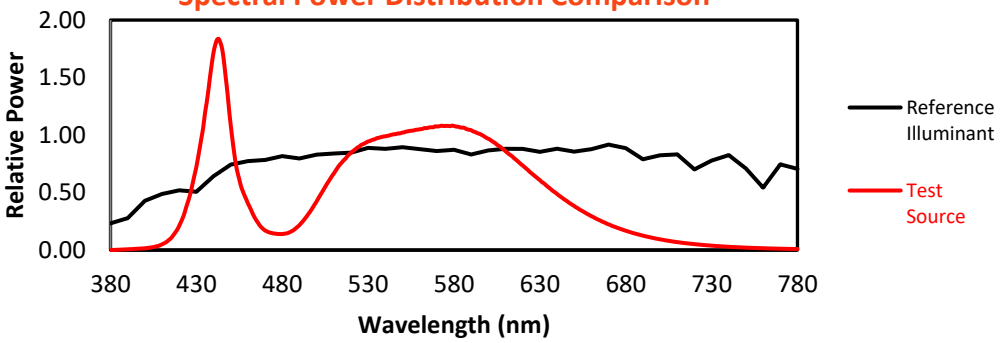
REPORT NUMBER: SP1-2407-184-6

TM-30-18

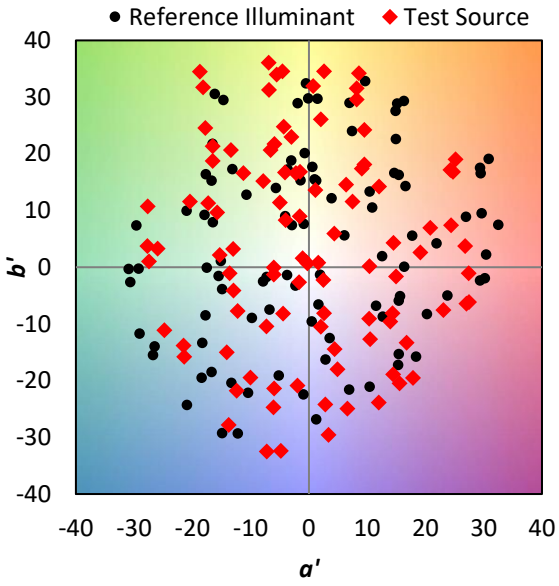
Summary

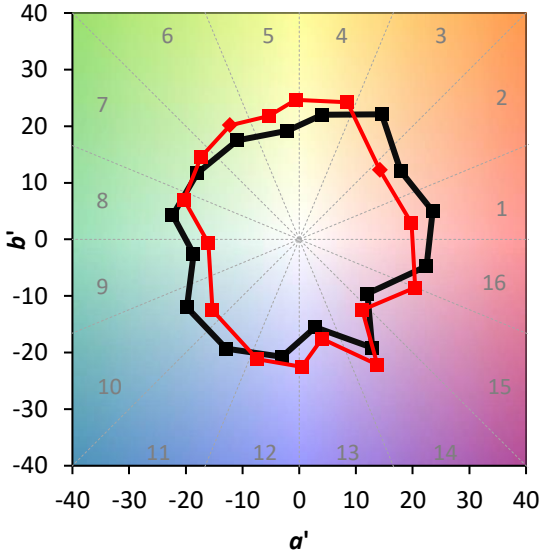
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

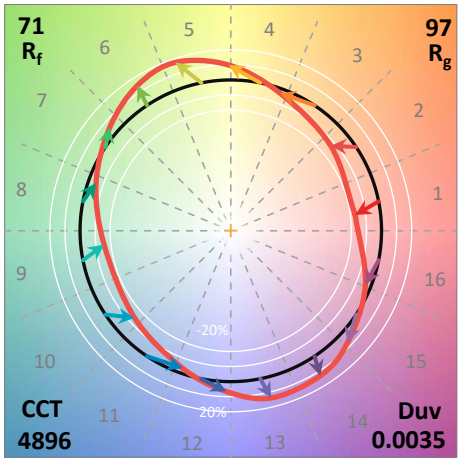
Spectral Power Distribution Comparison

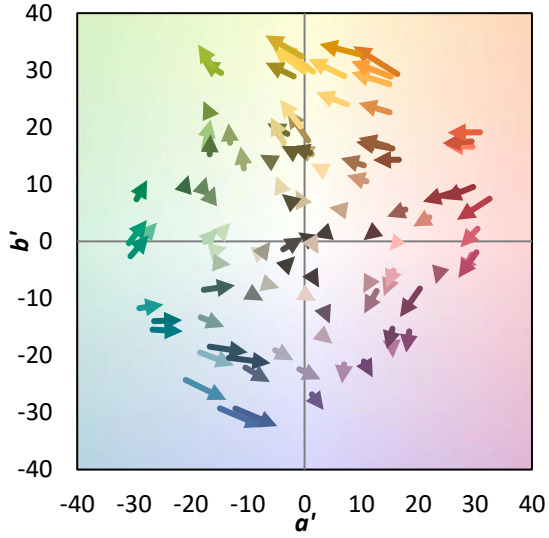


Color Vector Graphics







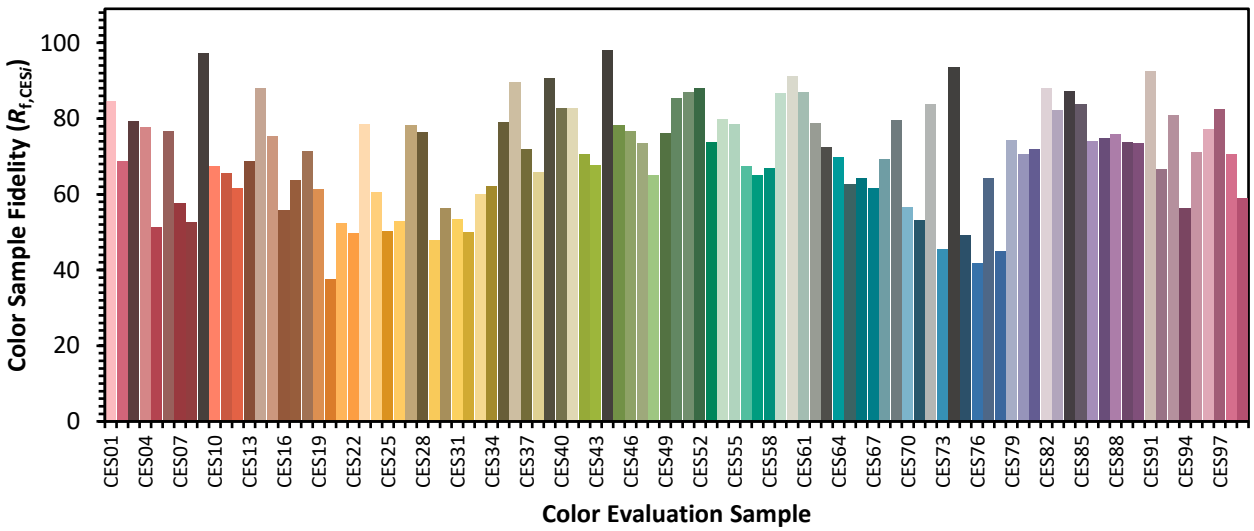


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Individual Sample Fidelity Index ($R_{f,i}$)

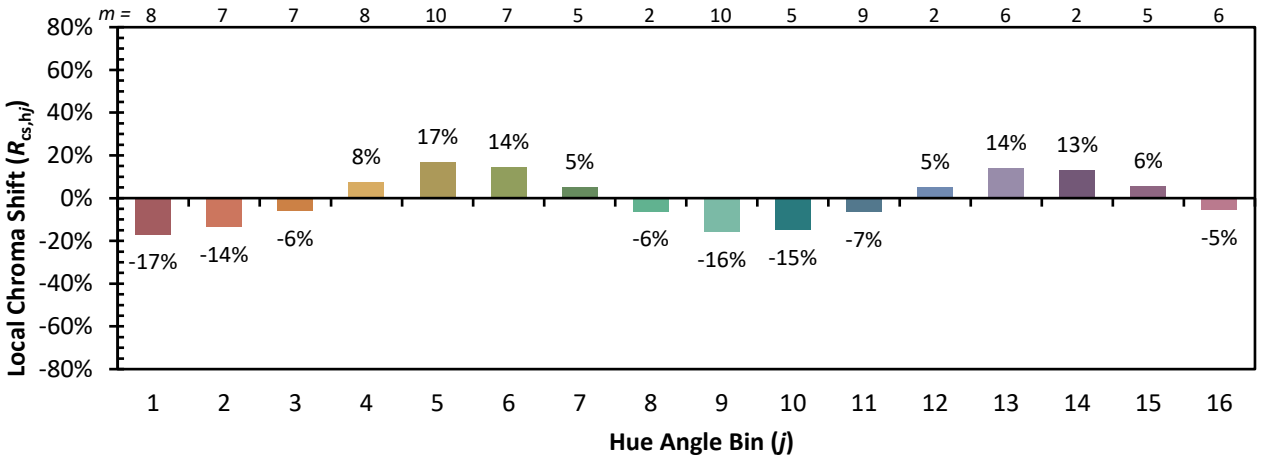
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

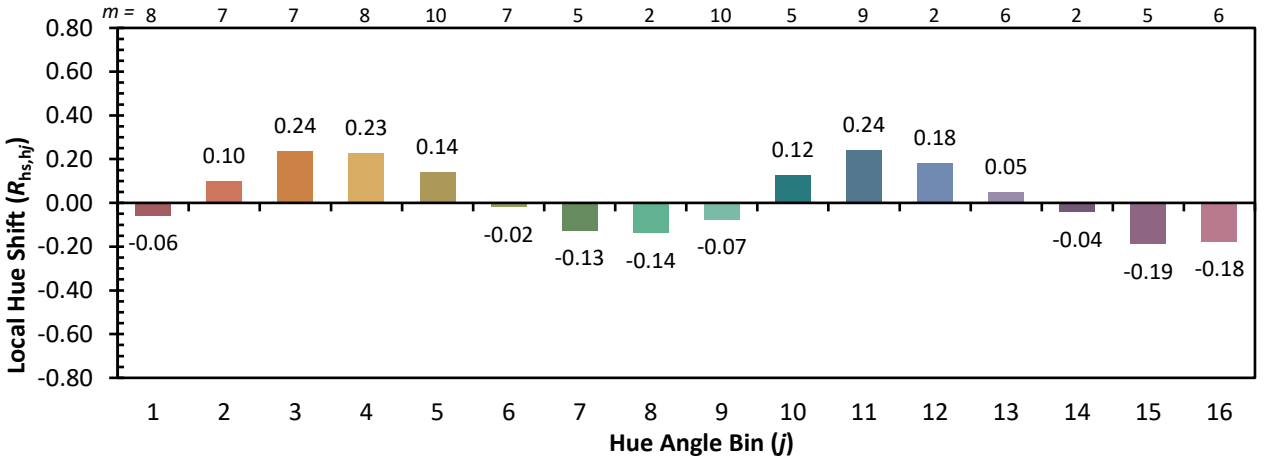


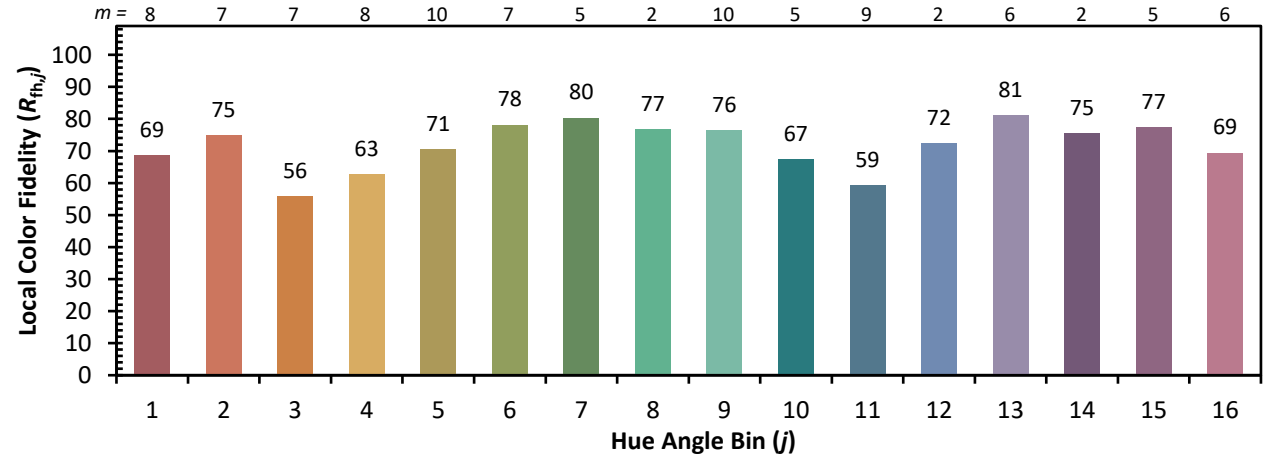
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Color Rendition by Hue-Angle Bin



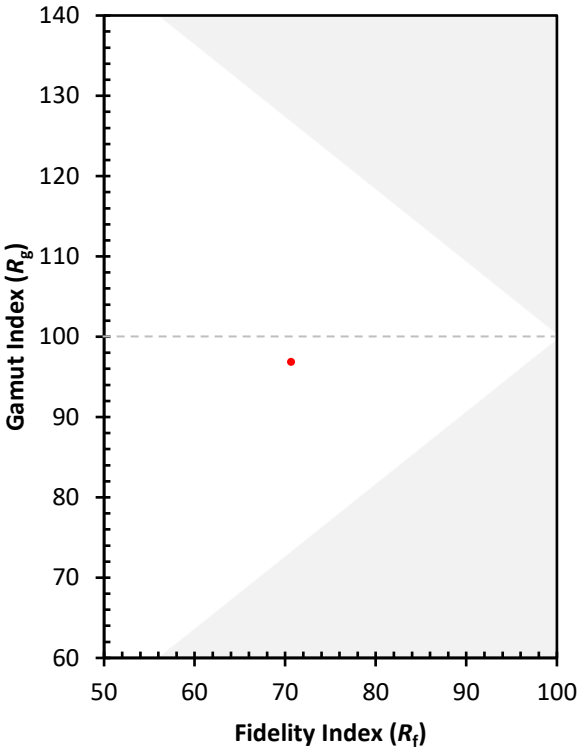


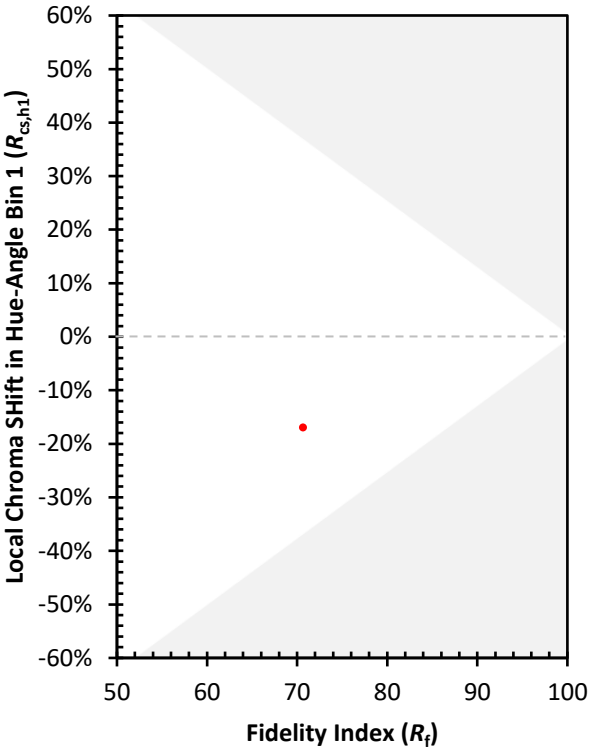


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Measure Comparisons





(END OF REPORT)