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: P1501443

Luminaire Tested: GSS-SB6C-735-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:	P1501443
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	43239.5 lumens
Efficiency:	N/A
Efficacy:	144.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

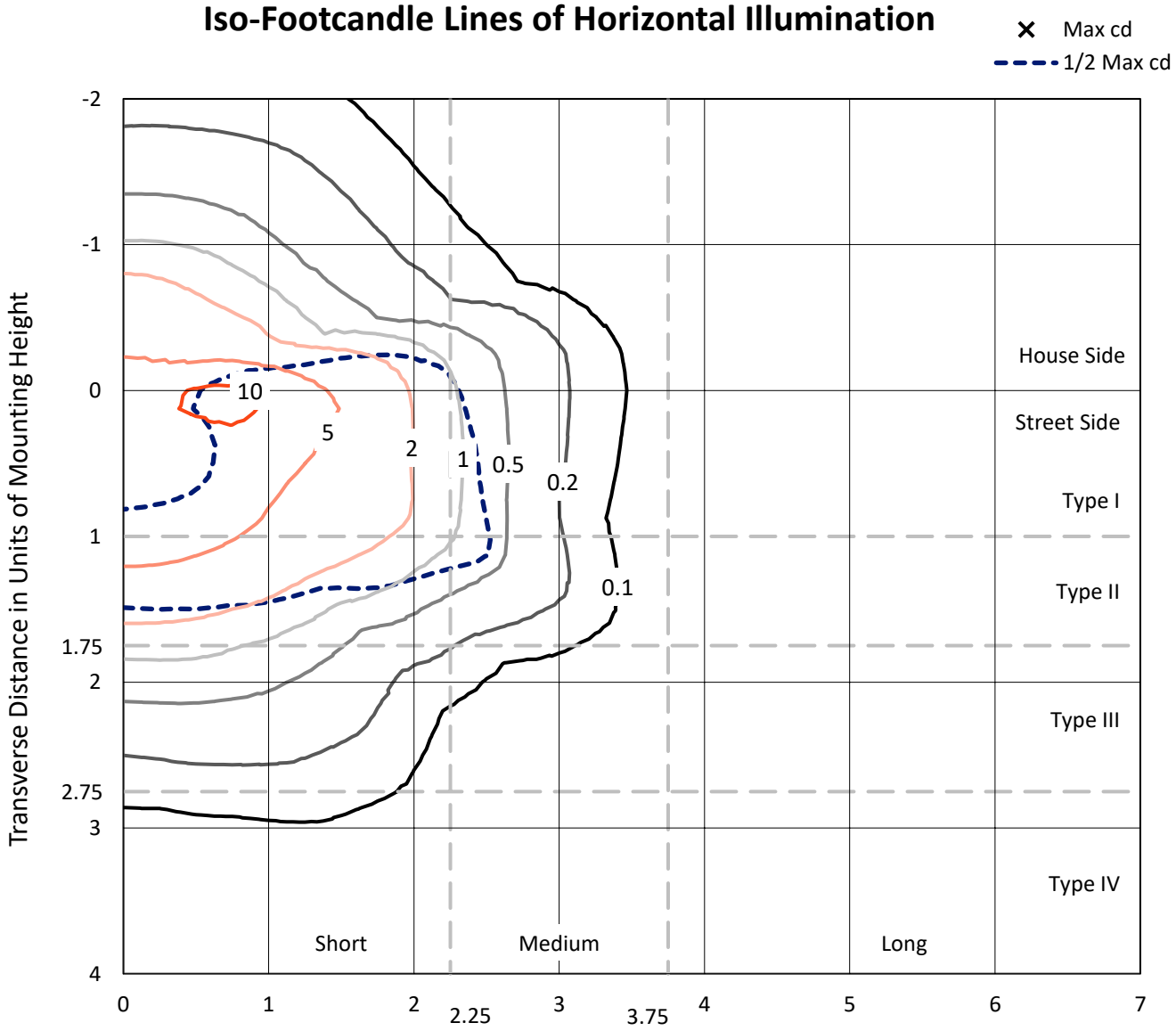
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



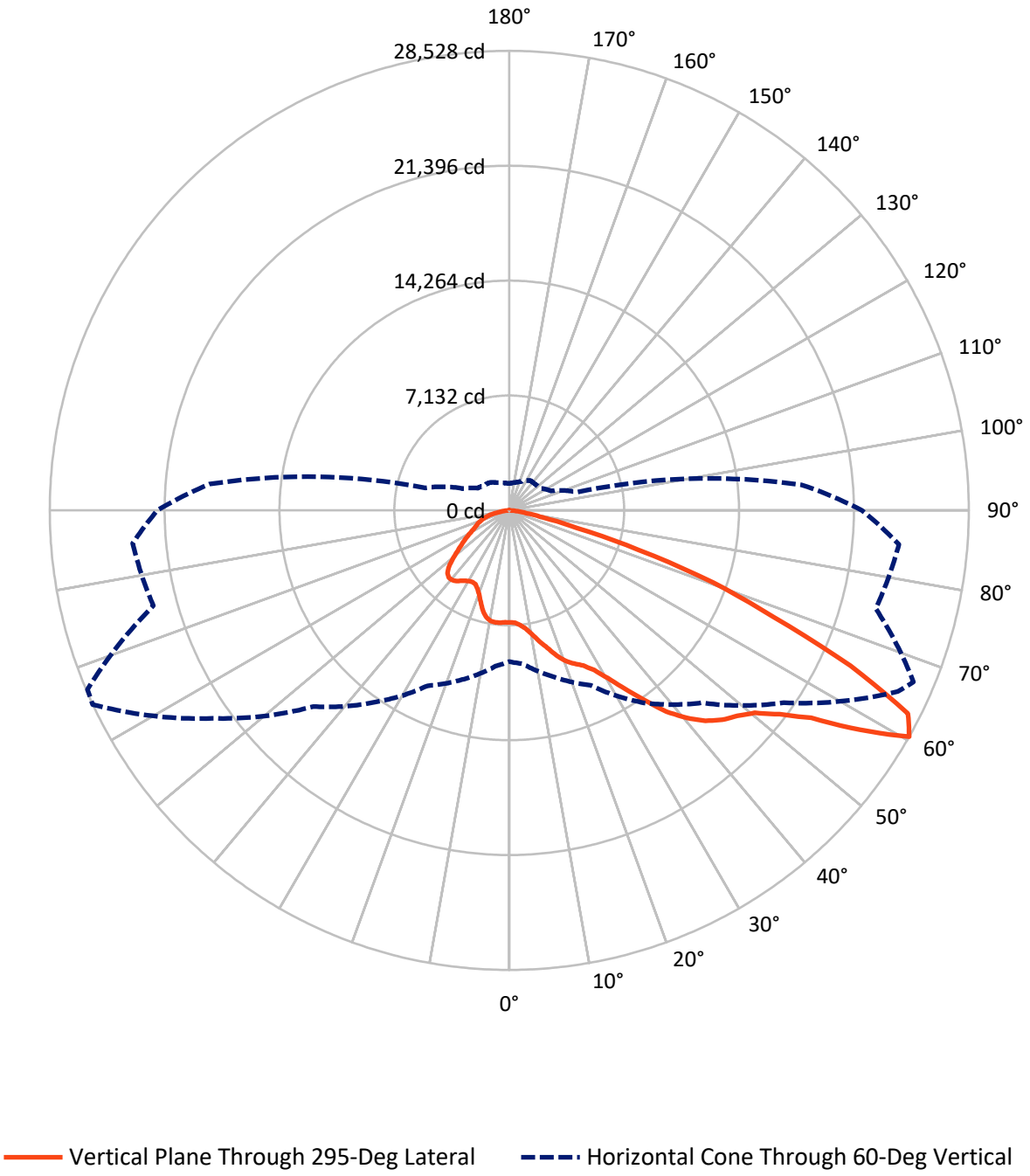
Based on 30 foot mounting height. Maximum calculated value = 11.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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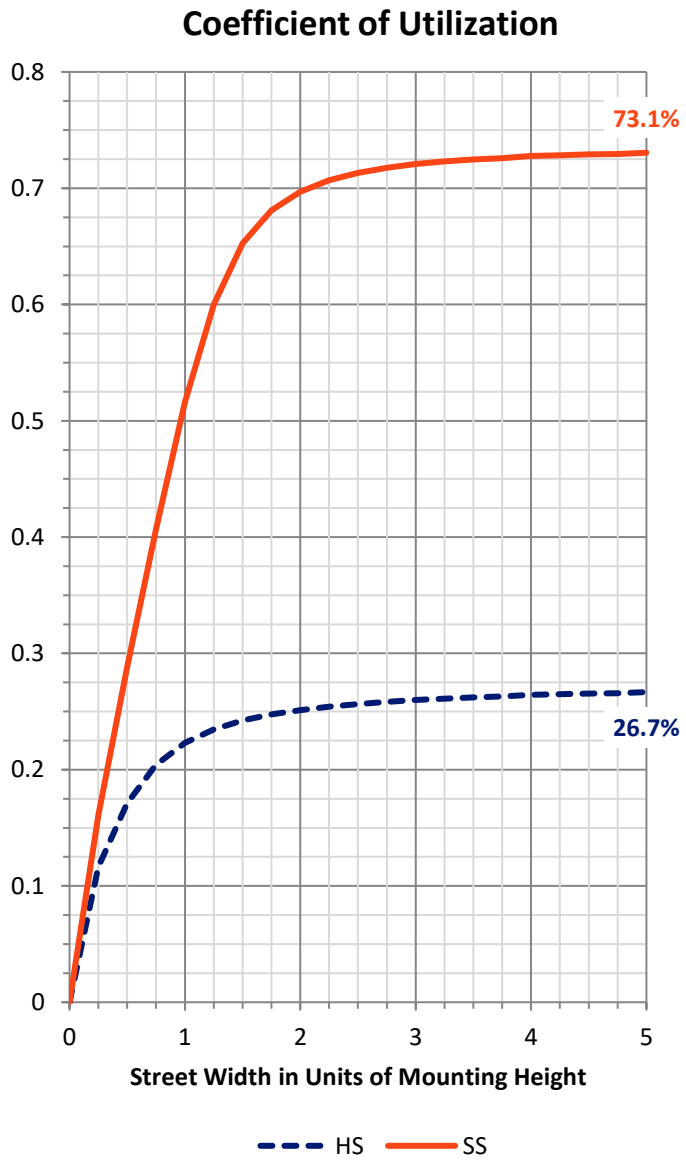
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11627.6	0.0	11627.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	31611.9	0.0	31611.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	43239.5	0.0	43239.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.1	1.5
10°-20°	1880.4	4.3
20°-30°	3561.8	8.2
30°-40°	6279.2	14.5
40°-50°	9286.3	21.5
50°-60°	10904.7	25.2
60°-70°	7900.9	18.3
70°-80°	2436.6	5.6
80°-90°	335.4	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°	43239.5	100.0
0°-180°	43239.5	100.0



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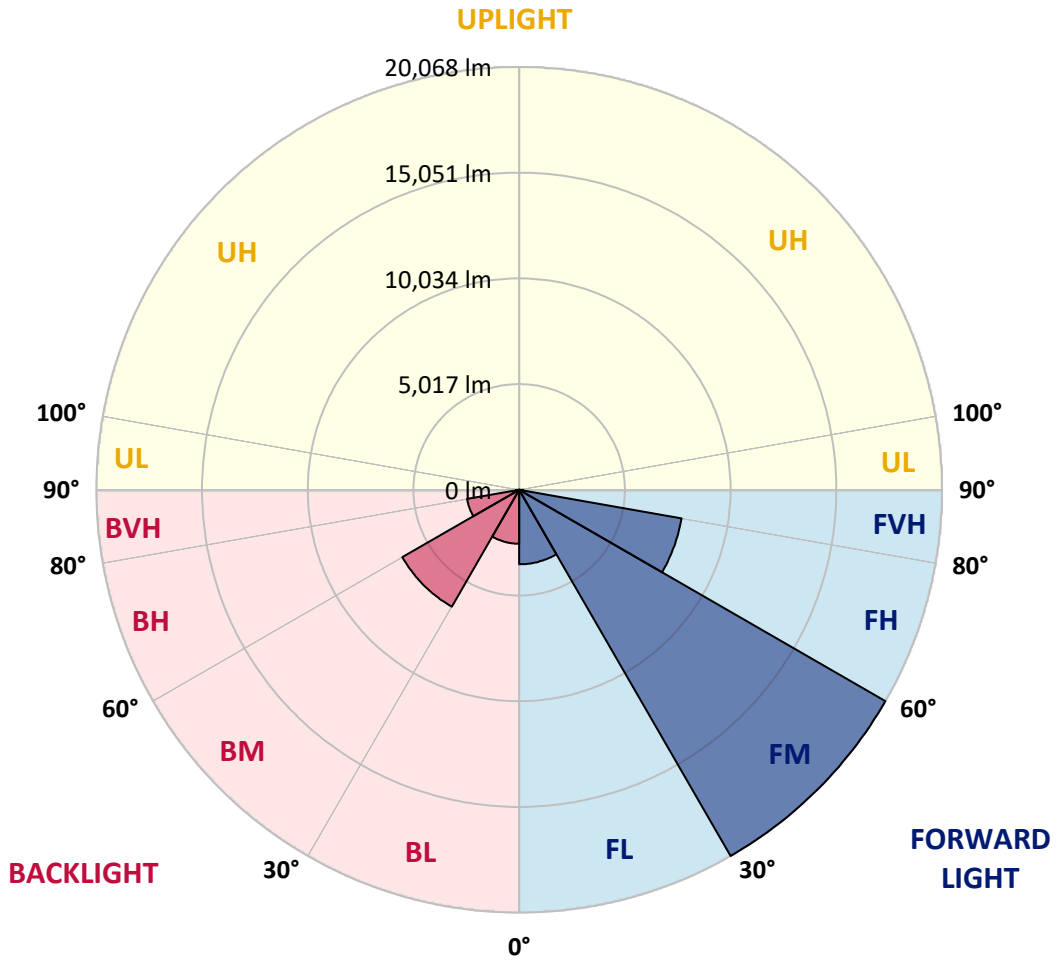
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3535.5	8.2			
FM	(30°-60°)	20067.7	46.4			
FH	(60°-80°)	7827.7	18.1			G4/12000
FVH	(80°-90°)	180.9	0.4			G2/225
BL	(0°-30°)	2560.8	5.9	B4/5000		
BM	(30°-60°)	6402.5	14.8	B4/8500		
BH	(60°-80°)	2509.8	5.8	B4/5000		G4/5000
BVH	(80°-90°)	154.5	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°	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0
2.5°	7095.0	7114.7	7085.1	7104.8	7104.8	7075.3	7065.4	7026.0	7045.7	7035.9	7026.0
5°	7262.5	7272.4	7252.7	7282.2	7282.2	7292.1	7282.2	7232.9	7232.9	7232.9	7213.2
7.5°	7213.2	7213.2	7223.1	7321.6	7420.2	7548.3	7548.3	7528.6	7548.3	7538.4	7449.7
10°	6799.4	6838.8	6927.5	7173.8	7410.3	7686.2	7873.5	7932.6	7932.6	7942.4	7794.6
12.5°	6060.3	6089.9	6296.8	6671.3	7164.0	7666.5	8119.8	8415.4	8445.0	8494.3	8297.2
15°	5400.1	5419.8	5567.6	5951.9	6513.6	7400.5	8257.8	8868.7	8967.3	9174.2	8878.6
17.5°	5459.2	5449.3	5488.8	5636.6	6040.6	6966.9	8228.2	9400.9	9578.2	9942.8	9686.6
20°	5814.0	5814.0	5843.5	5873.1	6020.9	6651.6	8011.4	9834.4	10179.3	10888.8	10593.2
22.5°	6375.6	6375.6	6365.8	6415.1	6415.1	6789.5	8021.3	10159.6	10672.0	11943.2	11657.5
25°	7154.1	7114.7	7114.7	7134.4	7045.7	7311.8	8267.6	10494.7	11164.8	13194.7	12948.4
27.5°	8031.1	8060.7	8041.0	7972.0	7853.8	8060.7	8858.9	11016.9	11716.6	14515.2	14416.6
30°	8987.0	8996.8	9016.6	8977.1	8878.6	9026.4	9785.2	11805.3	12445.8	15894.8	16111.5
32.5°	9923.1	10061.1	10011.8	9913.3	9952.7	10218.8	10928.3	12869.5	13529.8	17175.8	17944.4
35°	11115.5	11164.8	11361.8	10997.2	11007.1	11460.4	12386.7	14268.8	14909.3	18506.1	19777.3
37.5°	12849.8	12938.5	12849.8	12278.3	12189.6	12820.3	13805.7	15648.4	16111.5	19511.2	21482.1
40°	14554.6	14663.0	14810.8	14140.7	13579.0	14101.3	15145.8	16702.8	17185.6	20063.1	22615.3
42.5°	15963.7	16141.1	15983.4	15786.4	15273.9	15372.5	16082.0	17520.7	18003.5	20762.7	23758.4
45°	17156.1	17185.6	17254.6	17116.7	16860.5	16771.8	16880.2	18240.0	18772.2	21078.0	24320.1
47.5°	17648.8	17776.9	17836.0	18072.5	18338.6	18161.2	17560.1	18575.1	19057.9	21058.3	24497.4
50°	17382.7	17510.8	17826.2	18387.9	19028.4	19343.7	18358.3	19038.2	19580.2	21413.1	24862.0
52.5°	16683.1	16821.0	17333.5	17974.0	19048.1	19767.4	19481.7	20003.9	20526.2	22043.7	25473.0
55°	14988.2	15195.1	15914.5	16978.7	18456.8	19540.8	20664.2	21422.9	21994.5	22802.5	26103.7
57.5°	12524.6	12741.4	13549.5	15145.8	17363.0	18604.6	21009.1	24083.6	24339.8	23709.1	26162.8
60°	*9381.2*	*9558.5*	*10701.6*	*11982.7*	*14584.1*	*16890.0*	*20812.0*	*26606.2*	*27256.6*	*23551.4*	*24280.6*
62.5°	7430.0	7646.8	8661.8	9253.1	11115.5	13953.5	20122.2	27305.9	27867.5	22250.7	21659.4
65°	5804.1	5951.9	6897.9	7745.4	8198.7	9529.0	17244.8	23886.5	24389.0	20132.0	17875.4
67.5°	3833.3	4059.9	5183.3	6346.1	6582.6	6060.3	11864.4	18378.0	18614.5	16003.1	13441.1
70°	2749.3	2857.7	3695.3	4936.9	5291.7	4059.9	6464.3	13914.1	13983.0	10741.0	9056.0
72.5°	1872.3	1892.0	2512.8	3784.0	4217.6	2946.4	3557.3	9164.4	8927.9	5301.5	5183.3
75°	1271.2	1290.9	1606.2	2522.7	2985.8	2049.7	2315.7	4996.1	4799.0	2926.7	3143.5
77.5°	857.3	877.0	1103.7	1694.9	1990.5	1419.0	1694.9	2640.9	2591.6	1941.3	1685.1
80°	650.4	679.9	817.9	1084.0	1389.4	827.7	965.7	1251.5	1271.2	1034.7	857.3
82.5°	364.6	404.0	492.7	551.8	896.7	463.1	463.1	748.9	719.4	640.5	463.1
85°	157.7	167.5	197.1	206.9	364.6	197.1	167.5	325.2	335.0	315.3	147.8
87.5°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	39.4	39.4	39.4	39.4
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°	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0
2.5°	6976.7	7035.9	6976.7	6947.2	6947.2	6897.9	6878.2	6878.2	6809.2	6838.8	6819.1
5°	7134.4	7154.1	7085.1	6996.4	6878.2	6779.7	6641.7	6464.3	6355.9	6346.1	6355.9
7.5°	7380.8	7390.6	7203.4	7006.3	6710.7	6355.9	5932.2	5587.3	5281.8	5232.6	5291.7
10°	7725.7	7705.9	7430.0	6966.9	6346.1	5597.2	4946.8	4631.5	4454.1	4444.2	4434.4
12.5°	8188.8	8060.7	7637.0	6799.4	5715.4	4848.2	4513.2	4493.5	4542.8	4582.2	4592.0
15°	8720.9	8553.4	7804.5	6474.2	5074.9	4572.3	4592.0	4759.6	4818.7	4858.1	4858.1
17.5°	9381.2	9164.4	7991.7	6011.0	4749.7	4631.5	4769.4	4927.1	5025.6	5065.0	5055.2
20°	10258.2	9804.9	8139.5	5567.6	4661.0	4730.0	4848.2	5005.9	5104.5	5153.7	5153.7
22.5°	11135.2	10573.5	8169.1	5262.1	4661.0	4739.8	4848.2	5005.9	5114.3	5163.6	5153.7
25°	12327.5	11558.9	8178.9	5045.3	4670.9	4690.6	4789.1	4927.1	5084.7	5134.0	5153.7
27.5°	13598.7	12642.9	8228.2	4996.1	4631.5	4621.6	4690.6	4818.7	4976.3	5104.5	5114.3
30°	15175.4	13864.8	8247.9	5045.3	4641.3	4513.2	4562.5	4690.6	4858.1	4986.2	5025.6
32.5°	16722.5	14998.0	8208.5	5153.7	4661.0	4444.2	4454.1	4532.9	4710.3	4799.0	4868.0
35°	18358.3	16200.2	8139.5	5301.5	4670.9	4414.7	4326.0	4365.4	4483.6	4493.5	4523.1
37.5°	19639.3	17097.0	7932.6	5498.6	4690.6	4306.3	4128.9	4099.3	4050.1	3951.5	3971.2
40°	20693.7	17698.1	7587.7	5597.2	4641.3	4178.2	3882.5	3744.6	3557.3	3409.5	3439.1
42.5°	21452.5	18102.1	7173.8	5616.9	4562.5	3961.4	3596.8	3360.3	3153.3	2995.7	3005.5
45°	21787.5	18062.7	6730.4	5469.1	4375.2	3695.3	3330.7	3104.1	2877.4	2709.9	2690.2
47.5°	21797.4	17678.4	6119.4	5114.3	4059.9	3389.8	3084.4	2838.0	2650.8	2532.5	2522.7
50°	21876.2	17461.6	5547.9	4601.9	3646.0	3064.6	2867.6	2621.2	2512.8	2345.3	2296.0
52.5°	22368.9	17816.3	5153.7	4040.2	3261.7	2828.1	2680.3	2463.5	2286.2	2177.8	2167.9
55°	23167.1	18427.3	4936.9	3616.5	2897.1	2601.5	2503.0	2315.7	2158.1	2049.7	2020.1
57.5°	23265.7	18742.6	4680.7	3222.3	2601.5	2424.1	2384.7	2177.8	1951.1	1872.3	1842.7
60°	*21886.1*	*18210.5*	*4365.4*	*2857.7*	*2384.7*	*2286.2*	*2266.5*	*1990.5*	*1803.3*	*1704.8*	*1665.4*
62.5°	20003.9	16880.2	3882.5	2522.7	2217.2	2148.2	2069.4	1852.6	1616.1	1507.7	1478.1
65°	16348.0	14190.0	3301.1	2296.0	2049.7	1970.8	1951.1	1655.5	1497.8	1438.7	1428.9
67.5°	12386.7	11401.3	2907.0	2128.5	1872.3	1842.7	1773.7	1675.2	1606.2	1537.2	1517.5
70°	8760.3	8228.2	2473.4	1911.7	1694.9	1645.6	1931.4	1823.0	1576.7	1488.0	1478.1
72.5°	5311.4	5163.6	2138.4	1714.6	1458.4	1537.2	1783.6	1645.6	1419.0	1310.6	1271.2
75°	3350.4	3064.6	1793.5	1458.4	1162.8	1251.5	1557.0	1468.3	1221.9	1113.5	1084.0
77.5°	1823.0	1694.9	1350.0	1192.4	916.4	1015.0	1359.9	1212.1	975.6	1064.2	946.0
80°	798.2	886.9	896.7	689.8	611.0	748.9	975.6	946.0	748.9	758.8	630.7
82.5°	384.3	502.6	581.4	473.0	344.9	443.4	650.4	542.0	502.6	473.0	453.3
85°	118.2	187.2	256.2	226.6	157.7	187.2	305.5	295.6	354.7	305.5	285.8
87.5°	39.4	39.4	29.6	29.6	29.6	39.4	49.3	29.6	9.9	9.9	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°	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0
2.5°	6809.2	6819.1	6819.1	6828.9	6828.9	6858.5	6897.9	6937.3	6907.8	6947.2	6957.0
5°	6336.2	6385.5	6424.9	6572.7	6691.0	6789.5	6897.9	6996.4	7026.0	7045.7	7095.0
7.5°	5222.7	5360.7	5616.9	5951.9	6326.4	6691.0	6937.3	7193.5	7232.9	7282.2	7351.2
10°	4444.2	4503.3	4680.7	5025.6	5695.7	6415.1	7016.2	7420.2	7587.7	7686.2	7755.2
12.5°	4572.3	4532.9	4503.3	4552.6	4986.2	5912.5	6966.9	7745.4	8060.7	8169.1	8257.8
15°	4877.8	4838.4	4730.0	4592.0	4641.3	5380.4	6799.4	8050.8	8553.4	8730.8	8918.0
17.5°	5055.2	5015.8	4927.1	4779.3	4651.2	4936.9	6484.0	8326.8	9331.9	9548.7	9814.7
20°	5153.7	5114.3	5025.6	4877.8	4730.0	4769.4	6080.0	8671.7	10218.8	10563.7	10957.8
22.5°	5173.4	5124.2	5025.6	4877.8	4789.1	4759.6	5695.7	8878.6	11174.6	11706.7	12160.0
25°	5163.6	5074.9	4946.8	4838.4	4789.1	4779.3	5429.6	8996.8	12209.3	13056.8	13569.2
27.5°	5094.6	4986.2	4858.1	4779.3	4759.6	4818.7	5311.4	9134.8	13421.4	14505.3	15323.2
30°	5015.8	4858.1	4700.4	4670.9	4720.1	4907.4	5409.9	9184.1	14692.5	16082.0	16919.6
32.5°	4808.8	4690.6	4532.9	4523.1	4641.3	4976.3	5636.6	9115.1	15815.9	17658.6	18713.0
35°	4513.2	4444.2	4355.5	4385.1	4572.3	5035.5	5794.2	8898.3	16840.7	19126.9	20358.7
37.5°	3990.9	4040.2	4089.5	4158.5	4395.0	5025.6	5863.2	8553.4	17688.2	20299.6	21876.2
40°	3409.5	3577.1	3734.7	3912.1	4227.4	4946.8	5882.9	8129.7	18180.9	21186.4	23226.2
42.5°	3044.9	3202.6	3399.7	3655.9	4000.8	4769.4	5863.2	7656.7	18338.6	21797.4	24083.6
45°	2709.9	2897.1	3143.5	3409.5	3803.7	4513.2	5685.8	7144.3	18417.4	22083.2	24448.2
47.5°	2532.5	2640.9	2867.6	3133.6	3547.5	4197.9	5341.0	6769.8	18299.2	22142.3	24891.6
50°	2325.6	2473.4	2621.2	2877.4	3281.4	3803.7	4927.1	6553.0	18496.2	22723.7	25591.2
52.5°	2167.9	2246.7	2404.4	2640.9	2936.5	3439.1	4532.9	6375.6	19038.2	23314.9	26320.4
55°	2049.7	2138.4	2236.9	2434.0	2660.6	3074.5	4128.9	6109.6	19668.9	23945.6	27049.7
57.5°	1862.4	1921.6	2059.5	2266.5	2414.3	2719.7	3655.9	5794.2	19619.6	23452.9	25788.3
60°	*1694.9*	*1754.0*	*1901.9*	*2108.8*	*2197.5*	*2404.4*	*3192.7*	*5390.2*	*18673.6*	*21846.7*	*23462.7*
62.5°	1507.7	1576.7	1754.0	1901.9	1980.7	2138.4	2709.9	4651.2	16702.8	19432.4	20743.0
65°	1428.9	1468.3	1586.5	1763.9	1754.0	1901.9	2286.2	3655.9	13441.1	14850.2	16042.6
67.5°	1517.5	1576.7	1557.0	1606.2	1576.7	1655.5	2049.7	2936.5	10563.7	11184.5	11874.3
70°	1497.8	1635.8	1704.8	1606.2	1379.6	1468.3	1773.7	2345.3	7558.1	7499.0	7469.4
72.5°	1310.6	1448.6	1645.6	1744.2	1350.0	1221.9	1537.2	2030.0	4848.2	4828.5	4365.4
75°	1113.5	1212.1	1448.6	1576.7	1162.8	985.4	1320.5	1724.5	2897.1	2936.5	2621.2
77.5°	1024.8	975.6	1212.1	1389.4	946.0	758.8	1064.2	1300.7	1596.4	1616.1	1497.8
80°	739.1	709.5	906.6	1015.0	719.4	542.0	601.1	808.0	857.3	768.6	798.2
82.5°	473.0	482.9	542.0	650.4	443.4	295.6	413.9	542.0	463.1	374.5	443.4
85°	305.5	344.9	285.8	335.0	138.0	138.0	177.4	236.5	157.7	108.4	118.2
87.5°	0.0	0.0	19.7	39.4	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: P1501443
CATALOG NUMBER: GSS-SB6C-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6957.0	6957.0	*6957.0*	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0	6957.0
2.5°	6986.6	6976.7	*6976.7*	6996.4	7045.7	7065.4	7095.0	7085.1	7114.7	7095.0
5°	7124.6	7134.4	*7164.0*	7173.8	7203.4	7242.8	7252.7	7242.8	7262.5	7262.5
7.5°	7400.5	7439.9	*7420.2*	7469.4	7430.0	7380.8	7301.9	7242.8	7193.5	7213.2
10°	7863.6	7843.9	*7834.1*	7745.4	7568.0	7311.8	7104.8	6878.2	6838.8	6799.4
12.5°	8376.0	8356.3	*8356.3*	8050.8	7548.3	7016.2	6543.2	6188.4	6070.2	6060.3
15°	9095.4	8967.3	*8849.0*	8208.5	7203.4	6296.8	5745.0	5469.1	5400.1	5400.1
17.5°	9992.1	9657.1	*9460.0*	8090.3	6641.7	5823.8	5498.6	5429.6	5409.9	5459.2
20°	11105.6	10258.2	*9972.4*	7824.2	6434.8	5882.9	5725.3	5735.1	5745.0	5814.0
22.5°	12327.5	10810.0	*10337.0*	7824.2	6641.7	6257.4	6178.6	6287.0	6316.5	6375.6
25°	13687.4	11302.7	*10662.2*	8238.1	7252.7	6966.9	6868.3	6976.7	7055.6	7154.1
27.5°	15214.8	11815.1	*11223.9*	8987.0	8041.0	7863.6	7755.2	7804.5	7912.9	8031.1
30°	16584.5	12672.4	*12081.2*	10130.1	9115.1	8898.3	8711.1	8789.9	8908.2	8987.0
32.5°	17796.6	13717.0	*13214.4*	11332.3	10346.9	9972.4	9765.5	9745.8	9982.3	9923.1
35°	18910.1	14948.8	*14465.9*	12702.0	11598.3	11135.2	10859.3	11214.0	11056.4	11115.5
37.5°	19787.1	16229.8	*15845.5*	14012.6	12899.1	12268.4	12100.9	12534.5	12780.8	12849.8
40°	20506.5	17343.3	*16939.3*	15313.4	14091.4	13628.3	13894.4	14613.7	14584.1	14554.6
42.5°	21058.3	18299.2	*17855.7*	16298.8	15234.5	15323.2	15530.1	16013.0	16131.3	15963.7
45°	21304.7	18900.3	*18545.5*	17077.2	16535.3	17047.7	17136.4	17343.3	17264.5	17156.1
47.5°	21590.5	19432.4	*19057.9*	17786.7	17944.4	18447.0	18269.6	18102.1	17816.3	17648.8
50°	22073.3	20063.1	*19747.7*	18821.4	19393.0	19225.5	18535.7	18161.2	17579.8	17382.7
52.5°	22989.7	21255.4	*21018.9*	20457.2	20072.9	19107.2	18269.6	17599.5	16949.1	16683.1
55°	23807.6	22871.5	*22733.5*	21984.6	19866.0	18486.4	17363.0	16328.3	15214.8	14988.2
57.5°	24280.6	25551.8	*25709.5*	22635.0	18920.0	17077.2	15421.8	13766.3	12711.9	12524.6
60°	*22871.5*	*28448.9*	*28527.8*	*22506.9*	*17215.2*	*14534.9*	*12012.2*	*10839.6*	*9706.3*	*9381.2*
62.5°	20930.2	27847.8	*27778.9*	21738.3	13707.1	10603.1	9124.9	8573.1	7696.1	7430.0
65°	17993.7	23196.7	*23275.5*	18782.0	9115.1	7666.5	7666.5	6966.9	5991.3	5804.1
67.5°	14663.0	17885.3	*17707.9*	12179.7	5597.2	6139.1	6434.8	5429.6	4059.9	3833.3
70°	9529.0	13657.9	*13411.5*	7026.0	3517.9	5114.3	5065.0	4079.6	2907.0	2749.3
72.5°	4099.3	7893.2	*8395.7*	3586.9	2650.8	4119.0	4040.2	2857.7	1941.3	1872.3
75°	2473.4	3971.2	*4326.0*	2286.2	1931.4	3104.1	2798.6	1813.2	1320.5	1271.2
77.5°	1566.8	2177.8	*2158.1*	1714.6	1448.6	2098.9	1882.1	1251.5	896.7	857.3
80°	906.6	1074.1	*1113.5*	1074.1	975.6	1497.8	1202.2	906.6	699.6	650.4
82.5°	581.4	670.1	*679.9*	522.3	542.0	965.7	650.4	532.1	404.0	364.6
85°	256.2	285.8	*275.9*	177.4	177.4	394.2	226.6	216.8	157.7	157.7
87.5°	9.9	19.7	*9.9*	9.9	9.9	39.4	19.7	29.6	29.6	29.6
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

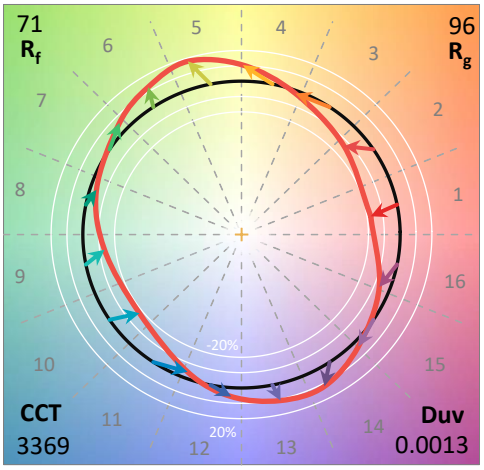
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

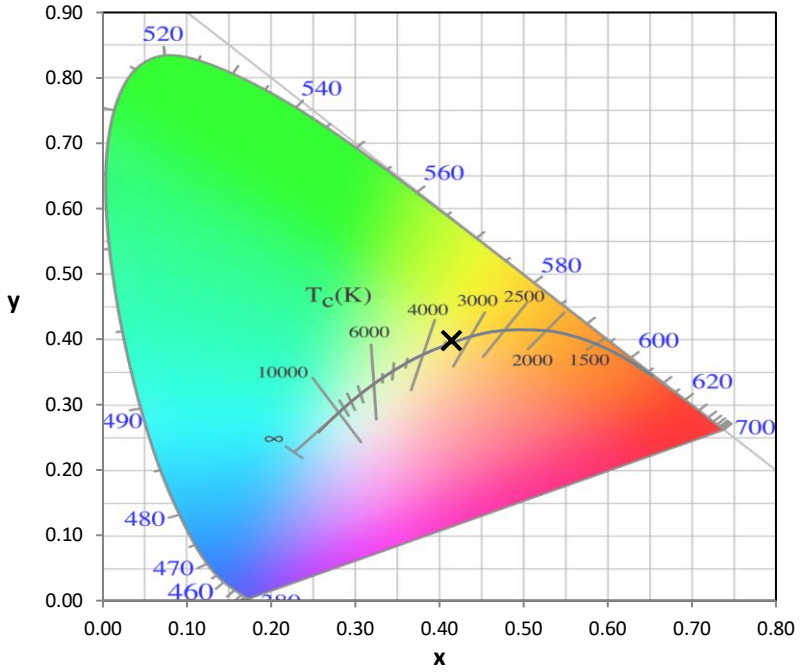
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

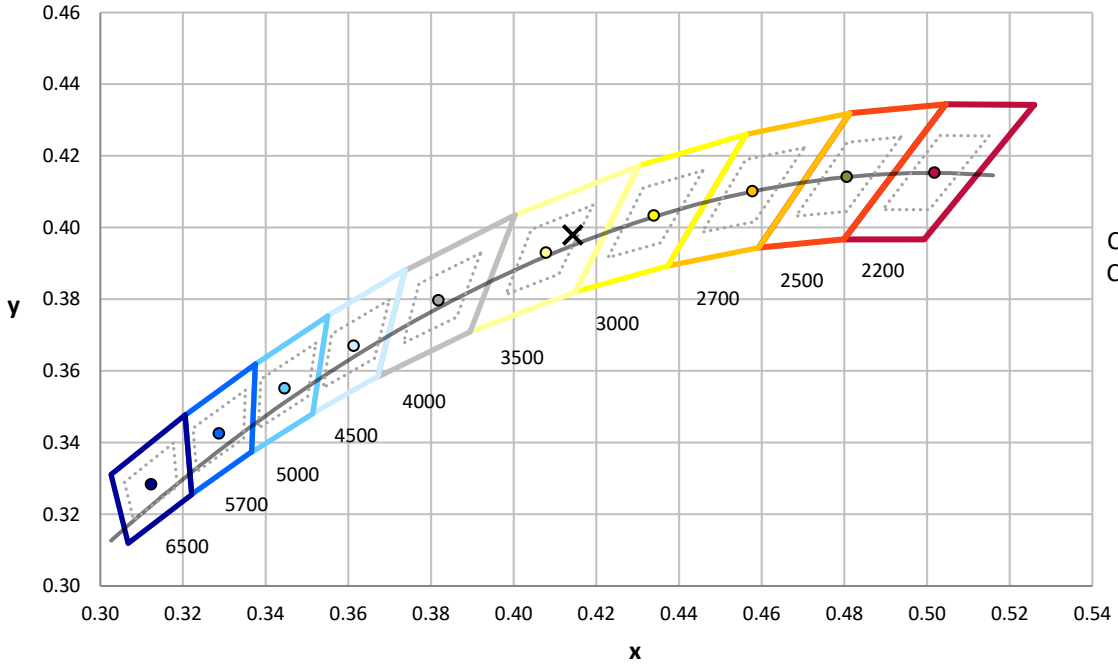
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

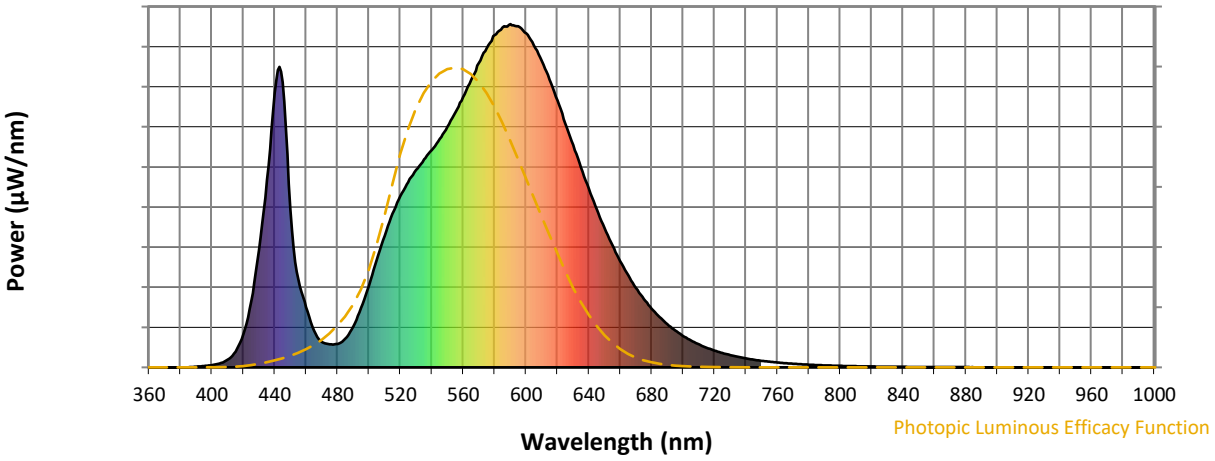


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

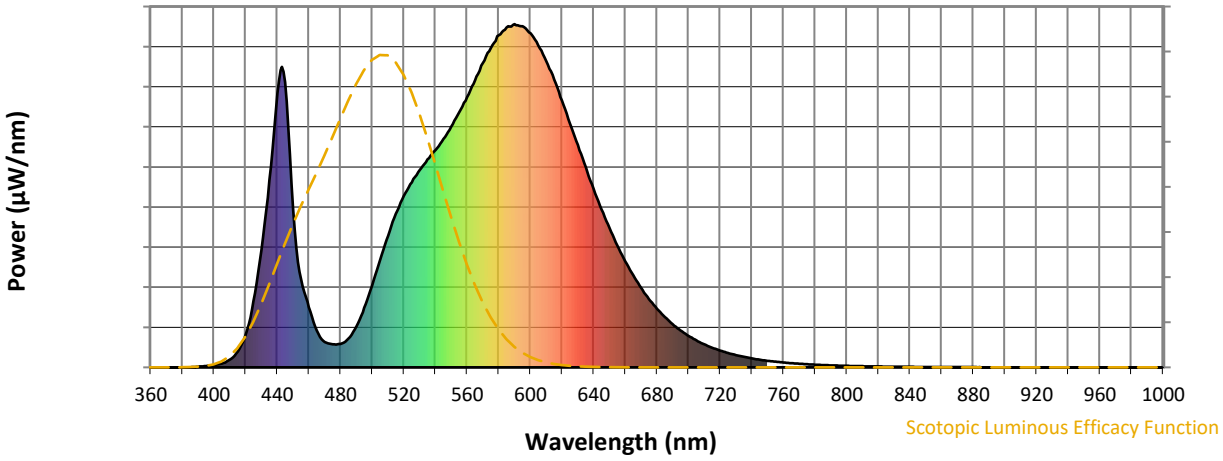


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

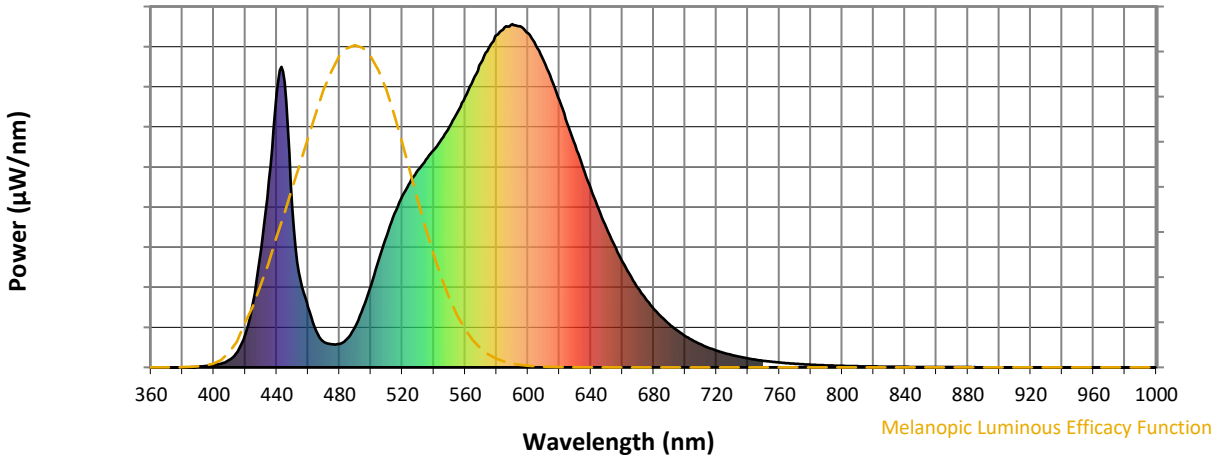


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

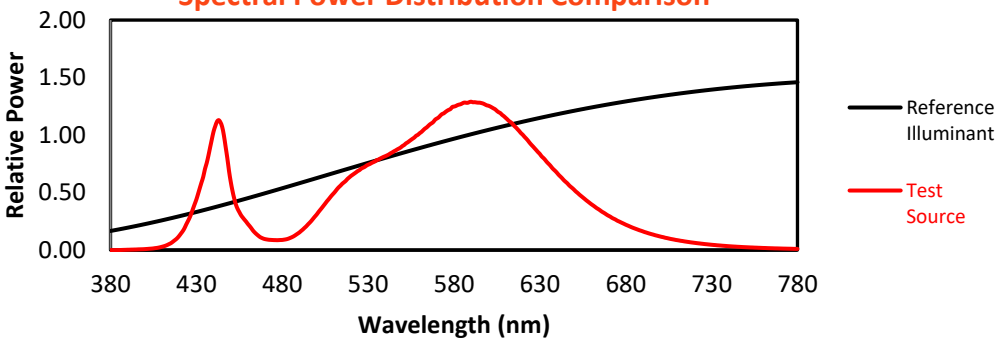
REPORT NUMBER: SP1-2407-184-5

TM-30-18

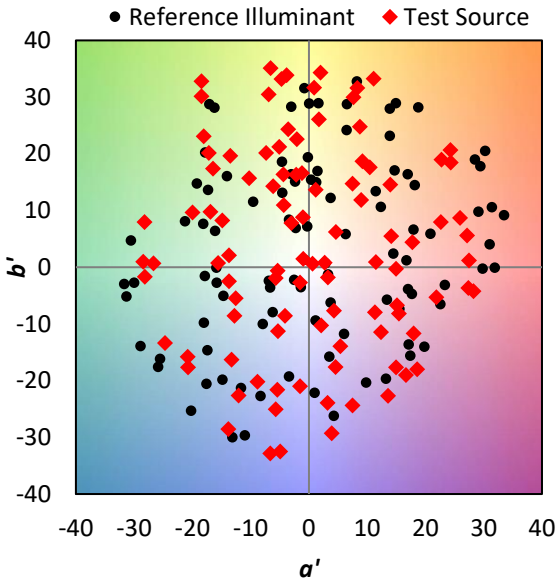
Summary

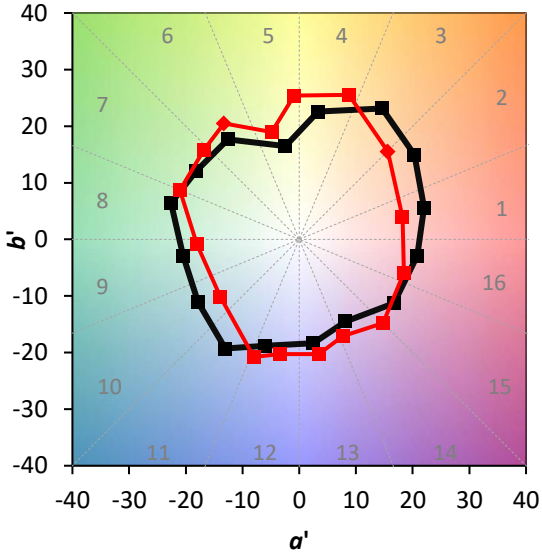
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

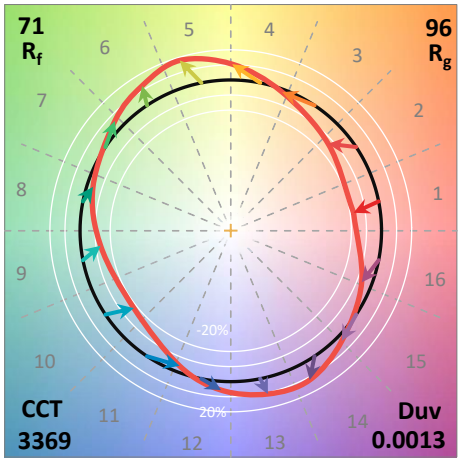
Spectral Power Distribution Comparison

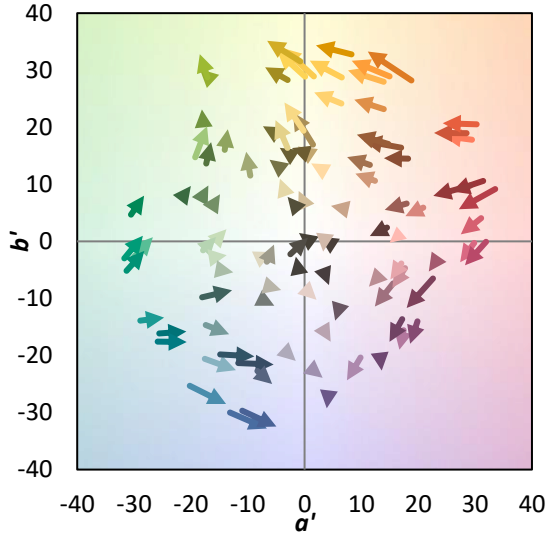


Color Vector Graphics







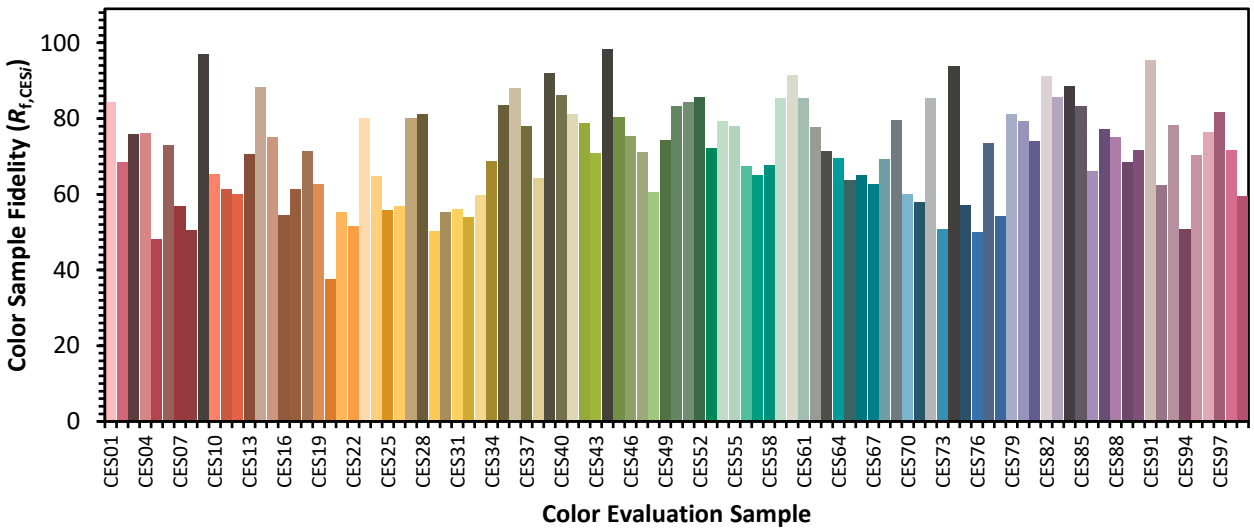


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Individual Sample Fidelity Index ($R_{f,i}$)

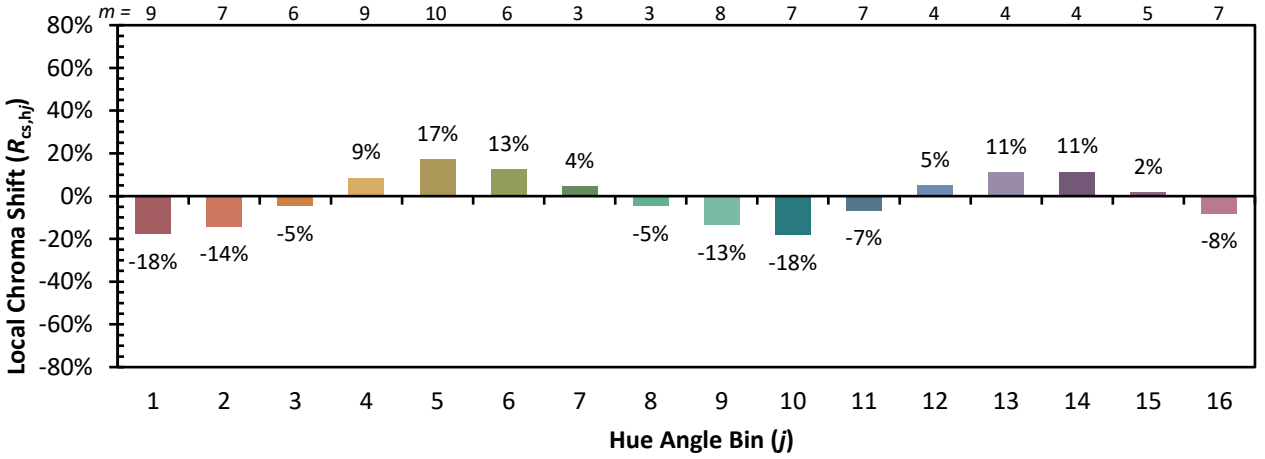
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

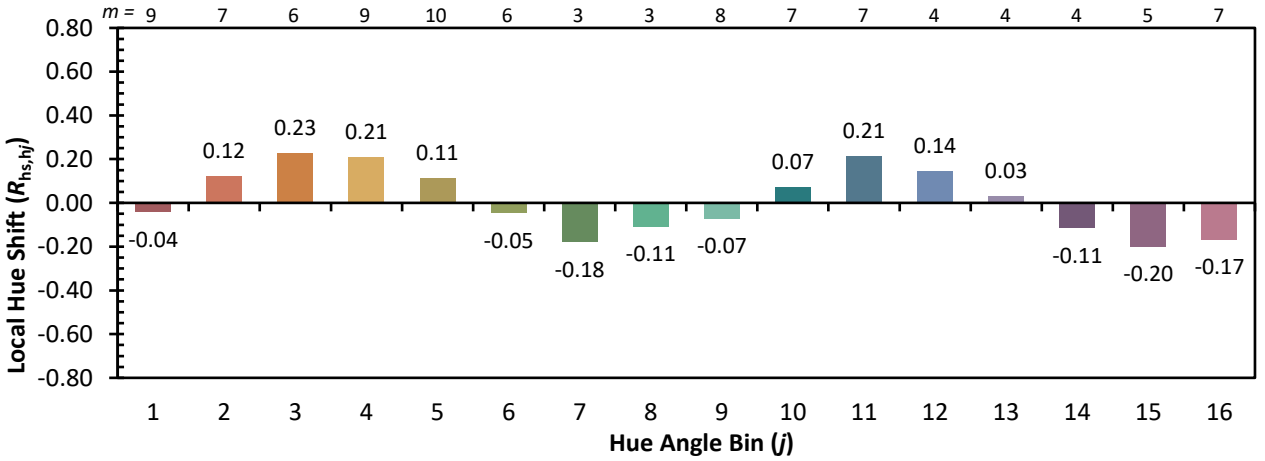


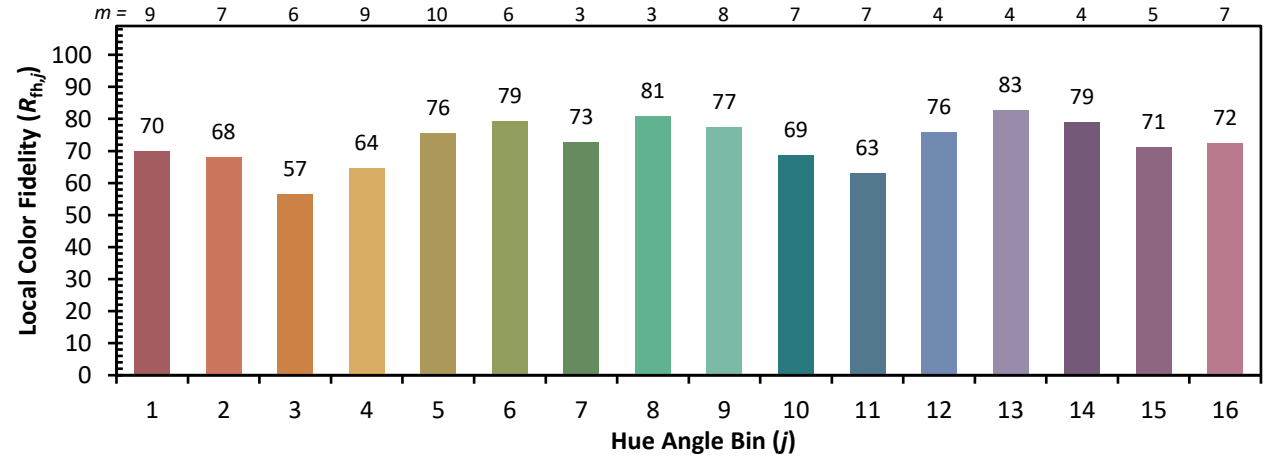
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Color Rendition by Hue-Angle Bin



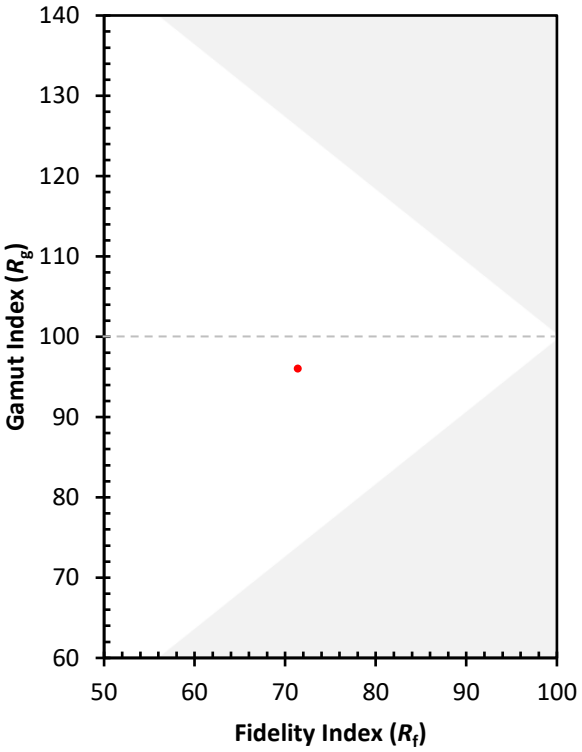


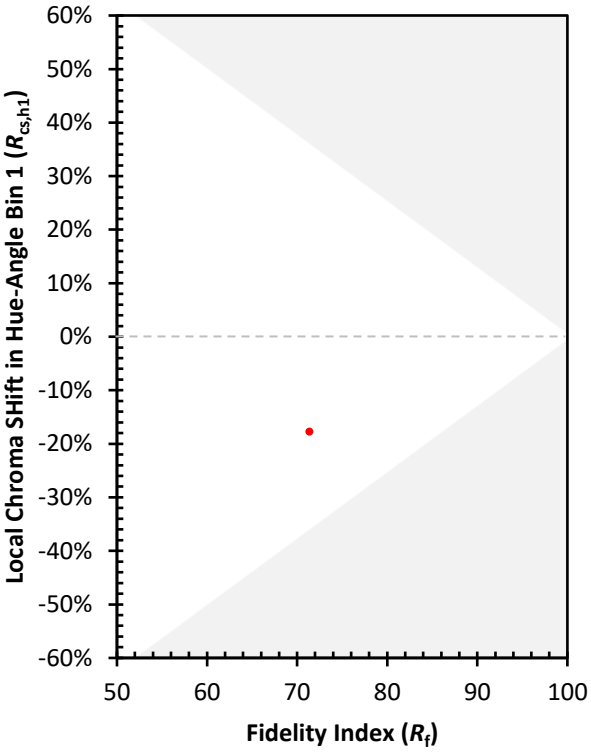


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Measure Comparisons





(END OF REPORT)