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: P1501730

Luminaire Tested: GSS-SB6B-740-U-T2LG-HSS

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:	P1501730
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28239.9 lumens
Efficiency:	N/A
Efficacy:	128.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

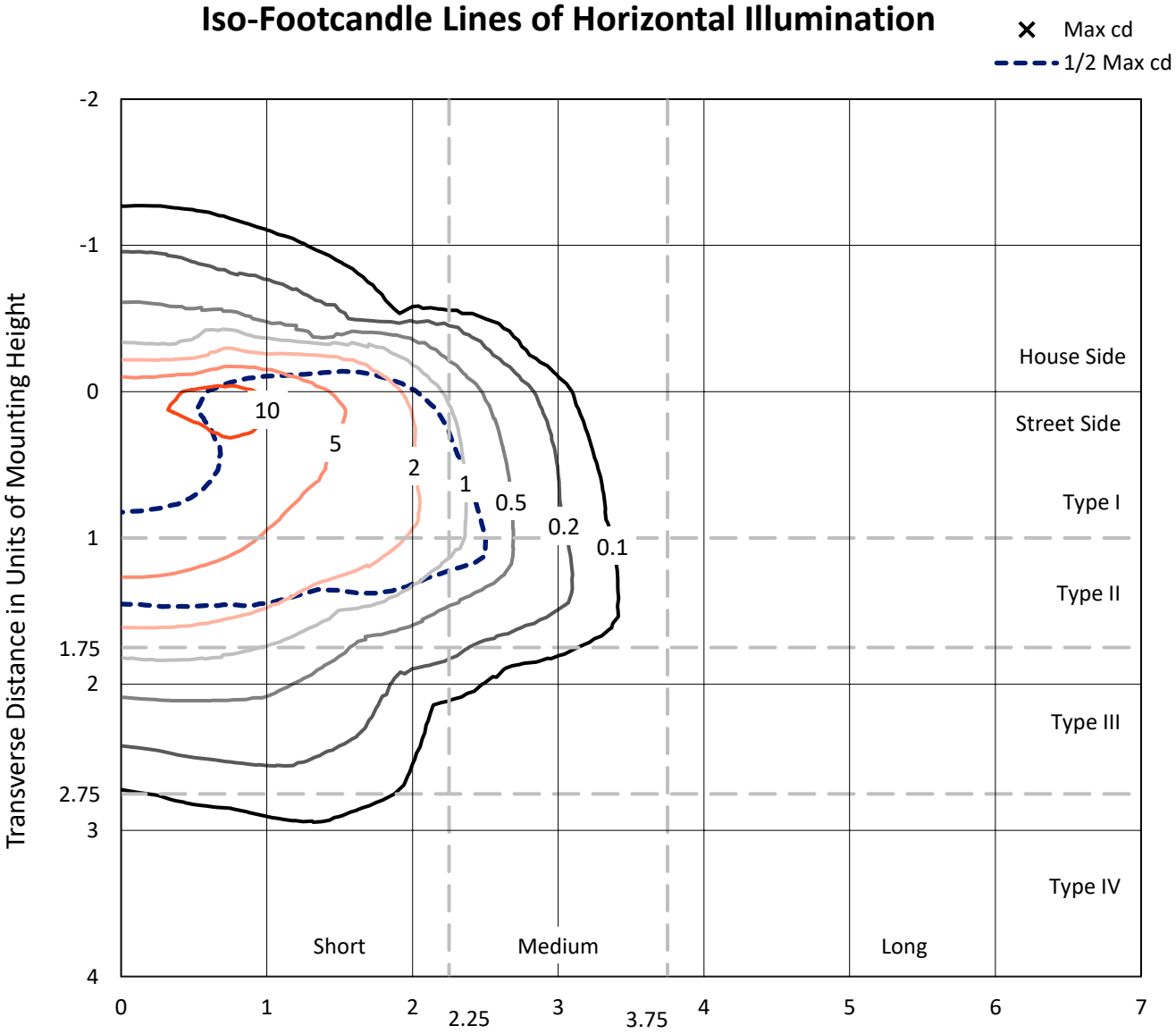
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



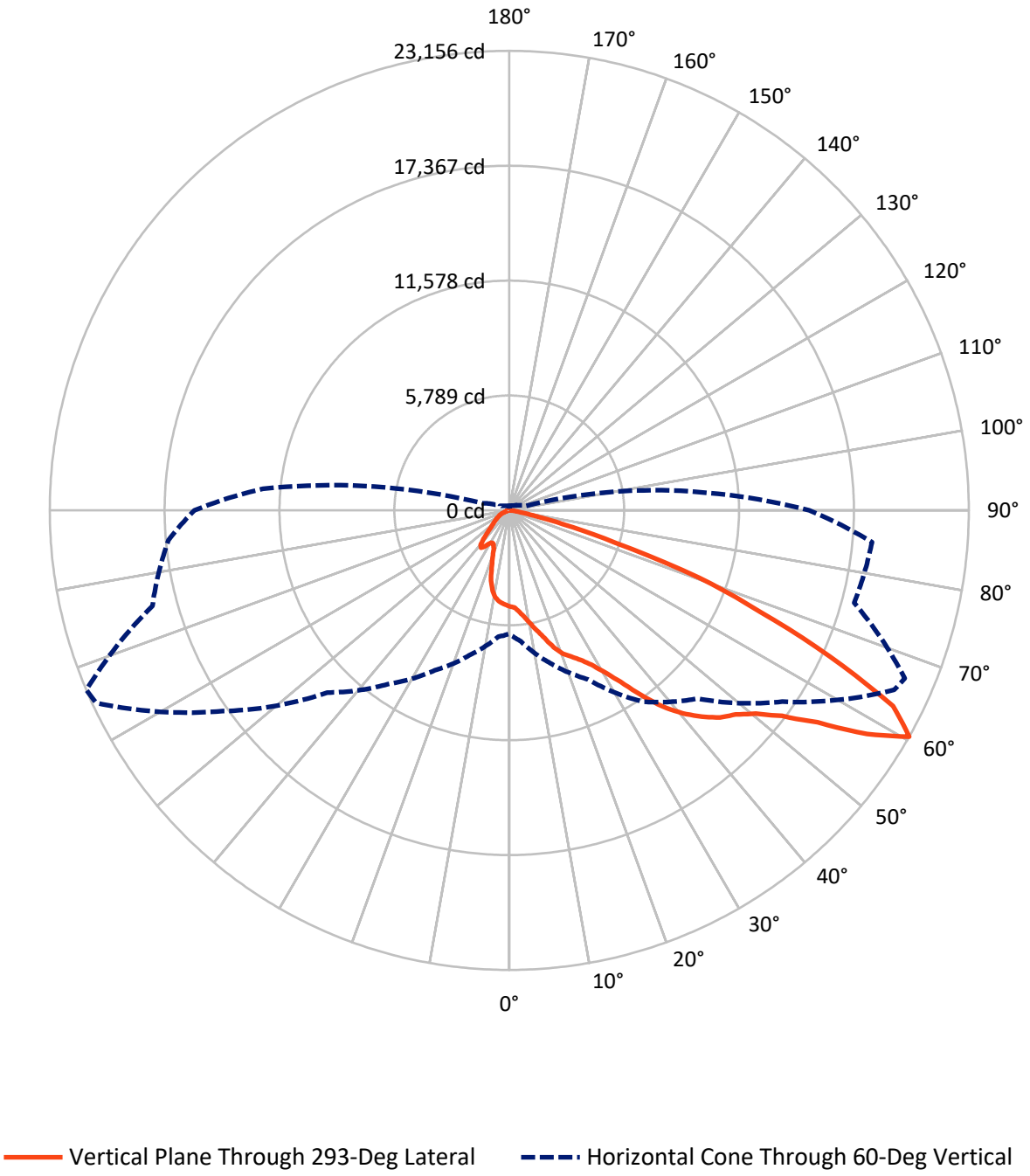
Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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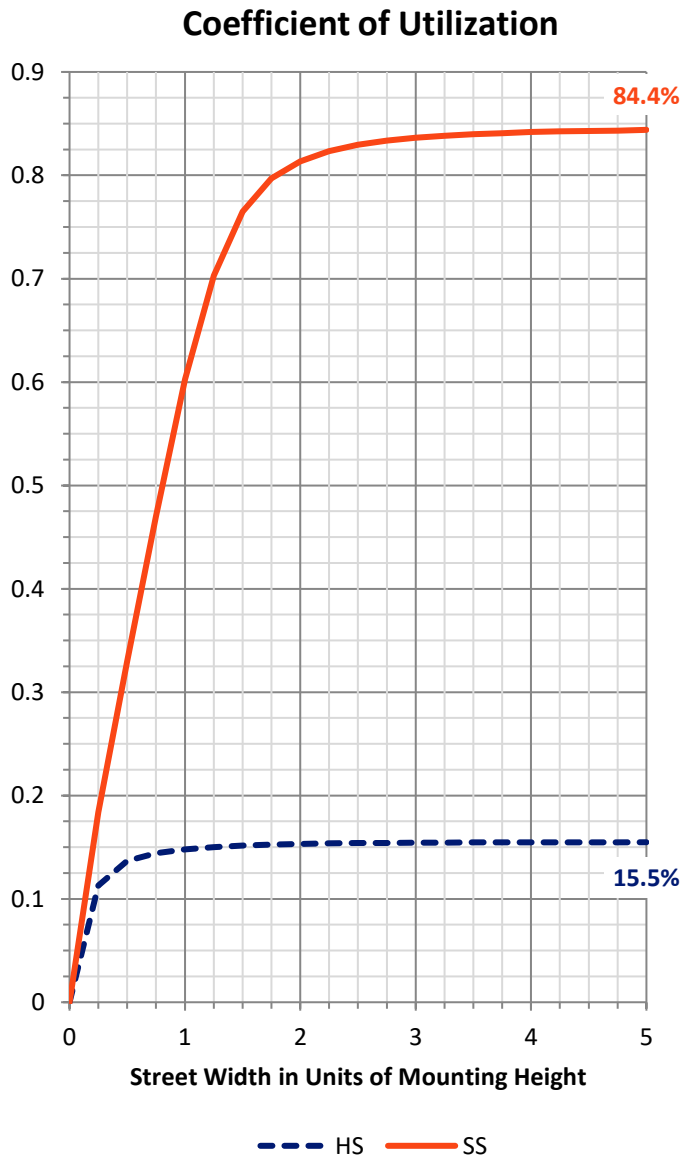
REPORT NUMBER: P1501730
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4406.1	0.0	4406.1
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	23833.8	0.0	23833.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	28239.9	0.0	28239.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.2	1.6
10°-20°	1103.8	3.9
20°-30°	2060.5	7.3
30°-40°	4086.2	14.5
40°-50°	6514.9	23.1
50°-60°	7783.7	27.6
60°-70°	5102.7	18.1
70°-80°	1069.1	3.8
80°-90°	80.9	0.3
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°	28239.9	100.0
0°-180°	28239.9	100.0



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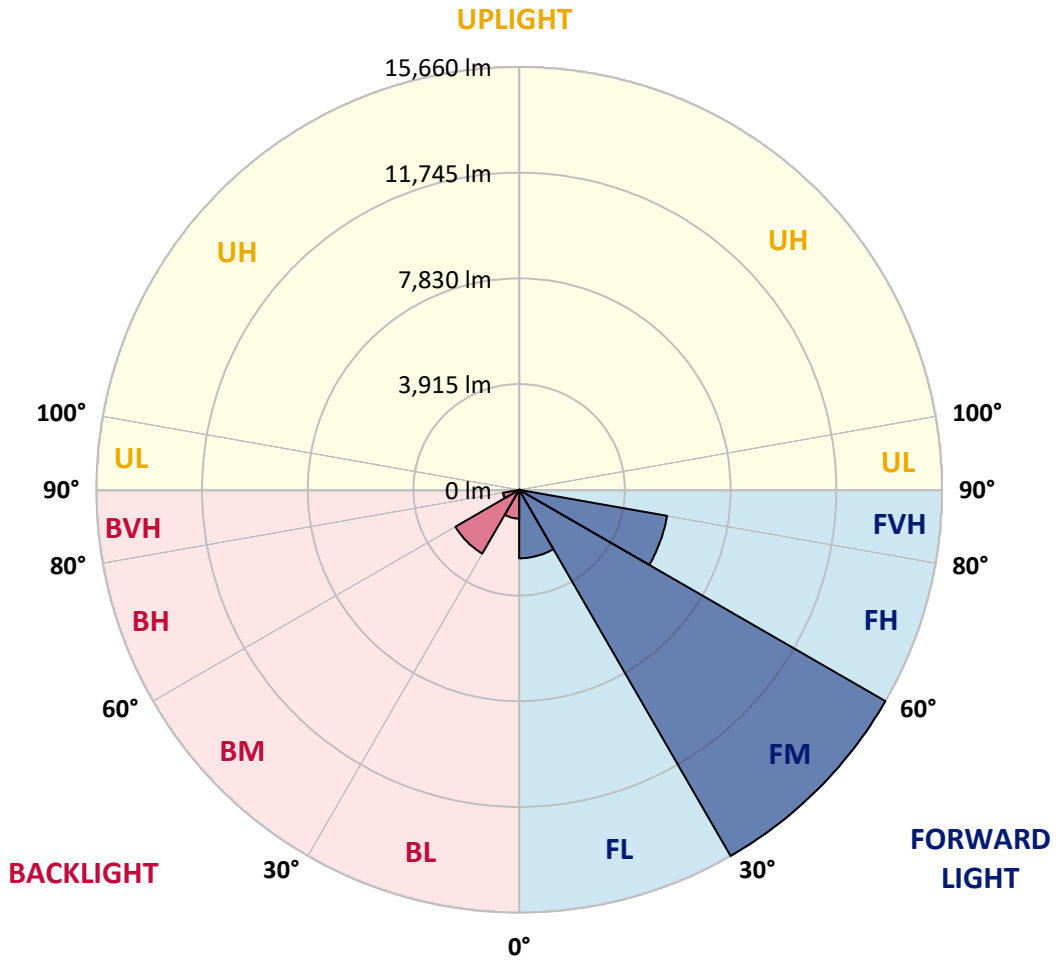
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2536.5	9.0			
FM	(30°-60°)	15660.1	55.5			
FH	(60°-80°)	5563.1	19.7			G3/7500
FVH	(80°-90°)	74.1	0.3			G1/100
BL	(0°-30°)	1066.0	3.8	B3/2500		
BM	(30°-60°)	2724.7	9.6	B3/5000		
BH	(60°-80°)	608.6	2.2	B2/1000		G2/1000
BVH	(80°-90°)	6.8	0.0			G0/10
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°	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0
2.5°	5085.2	5069.4	5045.7	5053.6	5045.7	5014.0	4966.6	4927.0	4958.7	4911.2	4879.6
5°	5235.5	5235.5	5219.6	5219.6	5227.6	5211.7	5180.1	5124.7	5132.7	5093.1	4990.3
7.5°	5235.5	5211.7	5251.3	5290.8	5362.0	5401.5	5417.4	5385.7	5401.5	5322.5	5188.0
10°	4927.0	4911.2	5014.0	5164.3	5369.9	5551.8	5670.4	5678.3	5702.1	5623.0	5464.8
12.5°	4270.6	4239.0	4444.6	4729.3	5148.5	5567.6	5899.8	6026.3	6081.7	6050.0	5828.6
15°	3661.7	3701.2	3843.6	4152.0	4713.5	5354.1	6026.3	6445.5	6524.6	6564.1	6303.1
17.5°	3598.4	3606.3	3653.8	3804.0	4231.1	5006.1	6042.1	6880.4	6991.2	7165.2	6809.3
20°	3772.4	3756.6	3804.0	3851.5	4057.1	4697.7	5891.9	7299.6	7513.1	7884.8	7497.3
22.5°	4096.6	4096.6	4120.4	4152.0	4254.8	4674.0	5828.6	7687.1	8050.9	8810.1	8359.3
25°	4642.3	4579.1	4594.9	4555.3	4642.3	4958.7	5971.0	7995.5	8493.8	9838.2	9387.5
27.5°	5488.5	5512.3	5369.9	5156.4	5203.8	5472.7	6318.9	8343.5	8952.5	10905.9	10431.4
30°	6659.0	6619.5	6532.5	6113.3	5923.5	6160.8	6959.5	8912.9	9569.4	12258.3	11823.3
32.5°	7576.4	7687.1	7536.9	7244.2	6951.6	7022.8	7861.1	9830.3	10320.7	13499.9	13262.6
35°	8683.6	8683.6	8715.2	8304.0	8106.3	8090.5	8992.0	10826.8	11317.1	14622.9	14789.0
37.5°	10178.3	10075.5	9901.5	9442.8	9292.6	9490.3	10051.8	11854.9	12384.8	15532.4	15975.3
40°	11435.8	11506.9	11483.2	10818.9	10526.3	10739.8	11238.1	12732.8	13144.0	16117.6	16932.2
42.5°	12669.5	12709.0	12606.2	12289.9	11862.8	11878.6	12289.9	13397.1	13816.2	16679.1	17833.8
45°	13594.8	13586.9	13515.7	13436.6	13183.6	12922.6	12993.8	14132.6	14496.4	16861.0	18324.1
47.5°	13887.4	13950.7	14014.0	14235.4	14409.4	13998.1	13634.3	14528.0	14860.2	16829.4	18506.0
50°	13618.5	13753.0	14061.4	14393.6	14986.7	14955.1	14172.1	14955.1	15279.3	17003.4	18719.5
52.5°	13017.5	13151.9	13563.2	14164.2	15057.9	15500.8	15168.6	15674.8	16054.4	17446.3	19162.4
55°	11617.7	11673.0	12519.2	13310.1	14702.0	15263.5	16236.3	16892.7	17209.0	17984.1	19747.7
57.5°	9458.6	9593.1	10423.5	11712.6	13705.5	14638.7	16845.2	18972.6	18964.7	18498.1	19874.2
60°	*6224.0*	*6619.5*	*7971.8*	*9395.4*	*11775.8*	*13412.9*	*16805.7*	*21408.5*	*21653.6*	*17992.0*	*18347.8*
62.5°	4753.0	4919.1	5686.3	6872.5	8715.2	11119.4	16544.7	22136.0	22325.9	16631.7	16062.3
65°	3574.7	3780.3	4515.8	5575.5	6152.9	7536.9	14836.4	19241.5	19502.5	14844.4	12487.6
67.5°	2190.7	2356.7	3337.4	4579.1	4658.1	4681.9	10012.2	14575.5	14670.4	11973.6	8406.8
70°	1463.1	1629.2	2309.3	3519.3	3709.1	2696.8	5496.4	11032.4	11024.5	8193.3	5108.9
72.5°	846.2	925.3	1463.1	2594.0	2918.3	1716.2	2744.3	7014.9	6706.5	3851.5	2388.4
75°	482.4	537.8	806.7	1668.7	2048.3	1091.4	1083.5	3756.6	3321.6	1985.0	1304.9
77.5°	292.6	316.3	442.9	1091.4	1233.7	735.5	601.1	1747.8	1684.5	1162.6	688.0
80°	142.4	166.1	268.9	640.6	790.9	395.4	363.8	688.0	735.5	640.6	363.8
82.5°	47.5	63.3	150.3	245.2	514.1	158.2	150.3	379.6	403.3	379.6	174.0
85°	23.7	31.6	71.2	79.1	197.7	79.1	55.4	166.1	205.6	126.5	71.2
87.5°	0.0	7.9	7.9	7.9	7.9	7.9	7.9	15.8	15.8	15.8	15.8
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°	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0
2.5°	4855.9	4840.0	4808.4	4753.0	4745.1	4705.6	4642.3	4602.8	4571.1	4594.9	4602.8
5°	4942.8	4903.3	4808.4	4658.1	4500.0	4341.8	4191.5	4017.5	3898.9	3883.1	3851.5
7.5°	5101.0	5021.9	4816.3	4523.7	4120.4	3740.7	3297.9	2870.8	2657.3	2625.6	2554.5
10°	5354.1	5219.6	4879.6	4286.4	3511.4	2720.5	2048.3	1589.6	1328.6	1281.2	1297.0
12.5°	5654.6	5464.8	4887.5	3883.1	2673.1	1684.5	1162.6	988.6	933.2	909.5	909.5
15°	6042.1	5765.3	4879.6	3361.1	1803.2	1083.5	933.2	862.0	838.3	822.5	822.5
17.5°	6532.5	6168.7	4824.2	2578.2	1217.9	941.1	854.1	798.8	767.1	759.2	759.2
20°	7109.8	6619.5	4697.7	1921.8	1020.2	877.8	806.7	735.5	711.8	696.0	696.0
22.5°	7845.3	7165.2	4452.5	1494.7	964.8	838.3	759.2	680.1	656.4	640.6	640.6
25°	8699.4	7861.1	4128.3	1344.5	956.9	806.7	711.8	632.7	609.0	601.1	593.1
27.5°	9711.7	8604.5	3827.7	1352.4	972.8	782.9	664.3	593.1	569.4	545.7	553.6
30°	10905.9	9371.6	3582.6	1447.3	988.6	759.2	632.7	569.4	545.7	514.1	514.1
32.5°	12084.3	10273.2	3558.8	1621.3	1043.9	743.4	601.1	537.8	514.1	490.3	490.3
35°	13294.3	11095.7	3693.3	1850.6	1154.6	719.7	561.5	506.1	482.4	466.6	458.7
37.5°	14448.9	11752.1	3819.8	1993.0	1091.4	616.9	514.1	466.6	442.9	411.2	411.2
40°	15216.1	12108.0	3843.6	1882.2	901.6	553.6	466.6	419.2	387.5	371.7	363.8
42.5°	15777.6	12337.3	3574.7	1526.4	782.9	506.1	427.1	379.6	355.9	340.1	340.1
45°	16006.9	12258.3	3116.0	1162.6	719.7	466.6	387.5	348.0	332.2	316.3	316.3
47.5°	15975.3	11894.5	2649.4	933.2	656.4	427.1	363.8	332.2	316.3	300.5	292.6
50°	15919.9	11554.4	2174.9	830.4	585.2	403.3	340.1	316.3	292.6	276.8	268.9
52.5°	16283.7	11443.7	1803.2	759.2	545.7	387.5	332.2	300.5	276.8	261.0	261.0
55°	16647.5	11491.1	1415.6	711.8	506.1	379.6	324.3	292.6	268.9	245.2	245.2
57.5°	16623.8	11285.5	1075.6	664.3	474.5	371.7	316.3	284.7	245.2	229.3	229.3
60°	*15113.2*	*10067.6*	*838.3*	*609.0*	*435.0*	*348.0*	*292.6*	*268.9*	*229.3*	*205.6*	*205.6*
62.5°	12780.2	7916.5	688.0	537.8	387.5	316.3	268.9	245.2	205.6	166.1	166.1
65°	9442.8	5710.0	553.6	466.6	355.9	276.8	245.2	213.5	166.1	134.4	126.5
67.5°	6390.1	3511.4	442.9	387.5	316.3	237.3	205.6	181.9	150.3	110.7	102.8
70°	3788.2	1866.4	324.3	268.9	237.3	174.0	174.0	158.2	126.5	94.9	87.0
72.5°	1803.2	648.5	237.3	197.7	181.9	126.5	134.4	134.4	102.8	71.2	63.3
75°	917.4	316.3	158.2	142.4	118.6	94.9	110.7	102.8	71.2	47.5	47.5
77.5°	522.0	221.4	110.7	94.9	79.1	63.3	71.2	63.3	39.5	23.7	23.7
80°	292.6	158.2	71.2	63.3	47.5	39.5	39.5	31.6	23.7	7.9	7.9
82.5°	110.7	94.9	47.5	31.6	23.7	23.7	15.8	15.8	7.9	0.0	0.0
85°	47.5	23.7	23.7	15.8	15.8	7.9	7.9	7.9	0.0	0.0	0.0
87.5°	7.9	7.9	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0
2.5°	4539.5	4555.3	4571.1	4634.4	4650.2	4697.7	4737.2	4784.7	4792.6	4855.9	4855.9
5°	3914.7	3906.8	4041.3	4239.0	4365.5	4539.5	4674.0	4816.3	4895.4	4998.2	5045.7
7.5°	2594.0	2791.7	3092.2	3440.2	3891.0	4310.2	4626.5	4903.3	5093.1	5211.7	5259.2
10°	1289.1	1399.8	1716.2	2285.6	3052.7	3906.8	4579.1	5093.1	5401.5	5536.0	5623.0
12.5°	909.5	933.2	988.6	1297.0	2032.5	3242.5	4428.8	5298.7	5725.8	5978.9	6089.6
15°	814.6	830.4	854.1	941.1	1257.5	2420.0	4159.9	5528.1	6231.9	6524.6	6666.9
17.5°	751.3	759.2	782.9	854.1	988.6	1645.0	3724.9	5773.2	6840.9	7196.8	7465.7
20°	696.0	696.0	719.7	806.7	917.4	1265.4	3100.2	6050.0	7615.9	8130.0	8398.9
22.5°	632.7	648.5	664.3	759.2	893.7	1154.6	2514.9	6263.6	8478.0	9102.7	9419.1
25°	585.2	601.1	616.9	711.8	869.9	1154.6	2174.9	6398.0	9442.8	10186.2	10621.2
27.5°	545.7	561.5	585.2	680.1	846.2	1202.1	2040.4	6437.6	10494.7	11459.5	12044.7
30°	514.1	529.9	553.6	656.4	862.0	1257.5	2087.9	6382.2	11562.3	12772.3	13468.3
32.5°	482.4	498.2	522.0	632.7	862.0	1328.6	2246.0	6271.5	12598.3	14085.1	14939.3
35°	458.7	466.6	474.5	569.4	782.9	1320.7	2443.7	6160.8	13642.3	15382.1	16378.6
37.5°	411.2	419.2	435.0	490.3	624.8	1202.1	2483.3	6026.3	14464.7	16473.5	17572.8
40°	363.8	379.6	395.4	450.8	522.0	972.8	2309.3	5741.6	14899.7	17311.8	18648.4
42.5°	332.2	340.1	355.9	411.2	482.4	775.0	1937.6	5243.4	15287.2	17881.2	19431.3
45°	308.4	316.3	332.2	371.7	450.8	672.2	1526.4	4634.4	15318.9	18063.1	19810.9
47.5°	284.7	292.6	300.5	340.1	435.0	601.1	1170.5	4080.8	15311.0	18300.4	20135.2
50°	268.9	276.8	292.6	324.3	411.2	537.8	964.8	3630.0	15643.1	18814.5	20791.6
52.5°	261.0	261.0	284.7	316.3	387.5	490.3	806.7	3226.7	15817.1	19320.6	21266.1
55°	245.2	253.1	268.9	300.5	363.8	466.6	688.0	2720.5	15896.2	19573.7	21353.1
57.5°	229.3	237.3	261.0	284.7	348.0	442.9	593.1	2032.5	14765.3	18252.9	19897.9
60°	*205.6*	*221.4*	*253.1*	*276.8*	*324.3*	*403.3*	*522.0*	*1376.1*	*12456.0*	*15864.6*	*17240.6*
62.5°	166.1	197.7	229.3	245.2	292.6	340.1	442.9	917.4	9949.0	13128.2	14694.1
65°	126.5	166.1	189.8	213.5	245.2	284.7	371.7	624.8	6635.3	8833.9	10597.5
67.5°	110.7	142.4	158.2	174.0	205.6	245.2	300.5	435.0	4025.5	5306.6	7046.5
70°	87.0	118.6	134.4	126.5	158.2	189.8	213.5	292.6	2056.2	2878.7	4009.6
72.5°	63.3	94.9	102.8	102.8	94.9	134.4	158.2	205.6	893.7	1399.8	1819.0
75°	47.5	63.3	71.2	63.3	55.4	87.0	110.7	134.4	585.2	838.3	1059.7
77.5°	23.7	23.7	39.5	39.5	23.7	47.5	55.4	79.1	332.2	490.3	609.0
80°	7.9	0.0	0.0	7.9	0.0	15.8	23.7	39.5	174.0	261.0	379.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	87.0	79.1	197.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	47.5
87.5°	0.0	0.0	0.0	0.0	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: P1501730
CATALOG NUMBER: GSS-SB6B-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4840.0	*4840.0*	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0	4840.0
2.5°	4895.4	*4895.4*	4927.0	4974.5	4998.2	5014.0	5021.9	5037.7	5101.0	5085.2
5°	5101.0	*5116.8*	5140.6	5188.0	5243.4	5227.6	5227.6	5227.6	5267.1	5235.5
7.5°	5369.9	*5417.4*	5425.3	5480.6	5441.1	5362.0	5314.5	5243.4	5235.5	5235.5
10°	5804.9	*5789.1*	5789.1	5717.9	5575.5	5346.2	5140.6	4998.2	4919.1	4927.0
12.5°	6271.5	*6208.2*	6216.1	5955.1	5551.8	5045.7	4626.5	4318.1	4294.3	4270.6
15°	6848.8	*6682.7*	6651.1	6050.0	5195.9	4420.9	4009.6	3764.5	3685.4	3661.7
17.5°	7671.3	*7252.1*	7101.9	5884.0	4729.3	4033.4	3724.9	3614.2	3606.3	3598.4
20°	8541.2	*7710.8*	7426.1	5638.8	4571.1	4041.3	3811.9	3780.3	3764.5	3772.4
22.5°	9553.5	*8003.5*	7639.7	5678.3	4713.5	4302.3	4120.4	4096.6	4080.8	4096.6
25°	10597.5	*8343.5*	7892.7	5994.7	5140.6	4784.7	4571.1	4523.7	4571.1	4642.3
27.5°	11649.3	*8802.2*	8391.0	6619.5	5828.6	5441.1	5235.5	5409.5	5480.6	5488.5
30°	12582.5	*9442.8*	9063.2	7497.3	6611.6	6224.0	6263.6	6485.0	6572.0	6659.0
32.5°	13436.6	*10296.9*	10004.3	8493.8	7623.8	7394.5	7370.8	7536.9	7631.8	7576.4
35°	14298.7	*11412.0*	11127.3	9577.3	8865.5	8675.7	8478.0	8802.2	8770.6	8683.6
37.5°	15113.2	*12535.1*	12274.1	10739.8	10004.3	9672.2	9640.5	9933.1	10194.1	10178.3
40°	15698.5	*13444.5*	13128.2	11894.5	11198.5	10913.8	11079.9	11586.0	11522.8	11435.8
42.5°	16236.3	*14219.6*	13934.9	12906.8	12179.2	12305.7	12456.0	12796.0	12756.5	12669.5
45°	16489.3	*14883.9*	14638.7	13673.9	13318.0	13721.3	13713.4	13840.0	13626.4	13594.8
47.5°	16845.2	*15358.4*	15105.3	14361.9	14678.3	14844.4	14377.8	14243.3	14045.6	13887.4
50°	17501.6	*16093.9*	15840.8	15405.9	15674.8	15160.7	14591.3	14298.7	13895.3	13618.5
52.5°	18268.8	*17209.0*	16987.6	16813.6	16062.3	15002.5	14274.9	13745.1	13254.7	13017.5
55°	19233.6	*18854.0*	18695.8	17738.9	15714.3	14354.0	13499.9	12511.3	11839.1	11617.7
57.5°	19549.9	*21266.1*	21210.7	17889.2	14741.5	13175.7	11633.5	10296.9	9601.0	9458.6
60°	*18616.7*	*23156.2*	*22958.5*	*17636.1*	*12977.9*	*10692.4*	*8889.2*	*7521.0*	*6390.1*	*6224.0*
62.5°	17422.5	*21709.0*	21637.8	16362.8	9885.7	7663.4	6643.2	5362.0	4879.6	4753.0
65°	14923.4	*17762.6*	17794.2	13128.2	6255.7	5504.4	5456.9	4262.7	3669.6	3574.7
67.5°	11491.1	*13626.4*	13405.0	8256.5	3645.8	4405.1	4357.6	3116.0	2253.9	2190.7
70°	6714.4	*10146.7*	9790.8	4294.3	2412.1	3677.5	3353.2	2190.7	1534.3	1463.1
72.5°	2965.7	*5583.4*	5994.7	1890.1	1700.3	2926.2	2420.0	1344.5	862.0	846.2
75°	1645.0	*2768.0*	2894.5	822.5	1194.2	2079.9	1463.1	751.3	490.3	482.4
77.5°	988.6	*1225.8*	1194.2	529.9	893.7	1328.6	885.8	427.1	308.4	292.6
80°	553.6	*561.5*	474.5	387.5	529.9	743.4	498.2	268.9	142.4	142.4
82.5°	340.1	*308.4*	245.2	118.6	142.4	450.8	181.9	150.3	47.5	47.5
85°	142.4	*94.9*	63.3	23.7	55.4	118.6	63.3	71.2	23.7	23.7
87.5°	0.0	*0.0*	0.0	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

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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

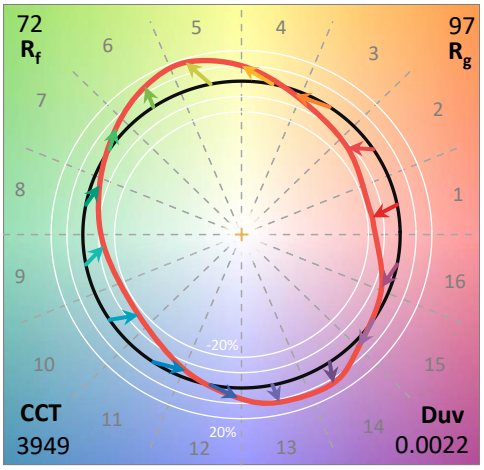
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

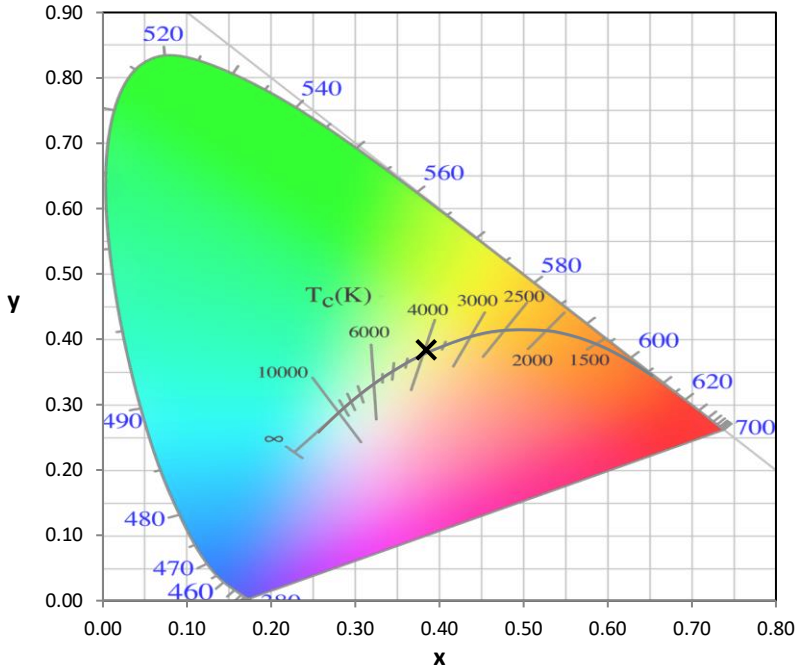
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

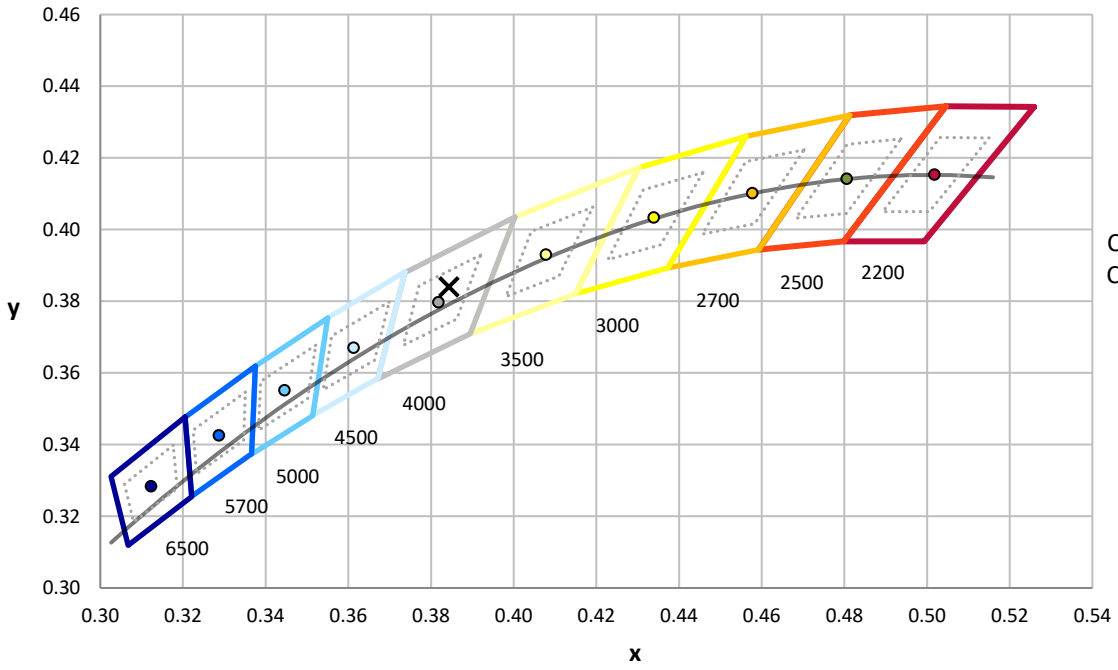
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

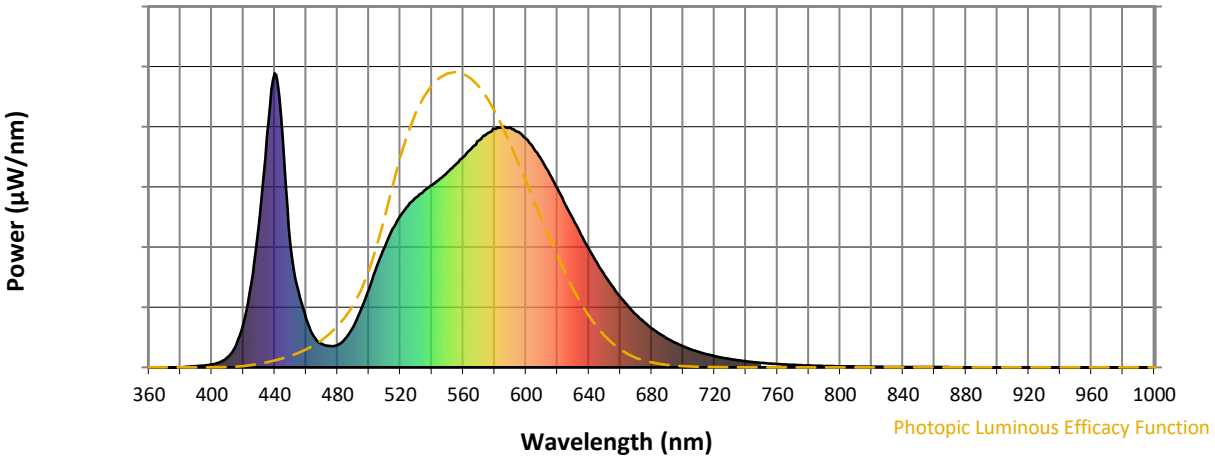


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

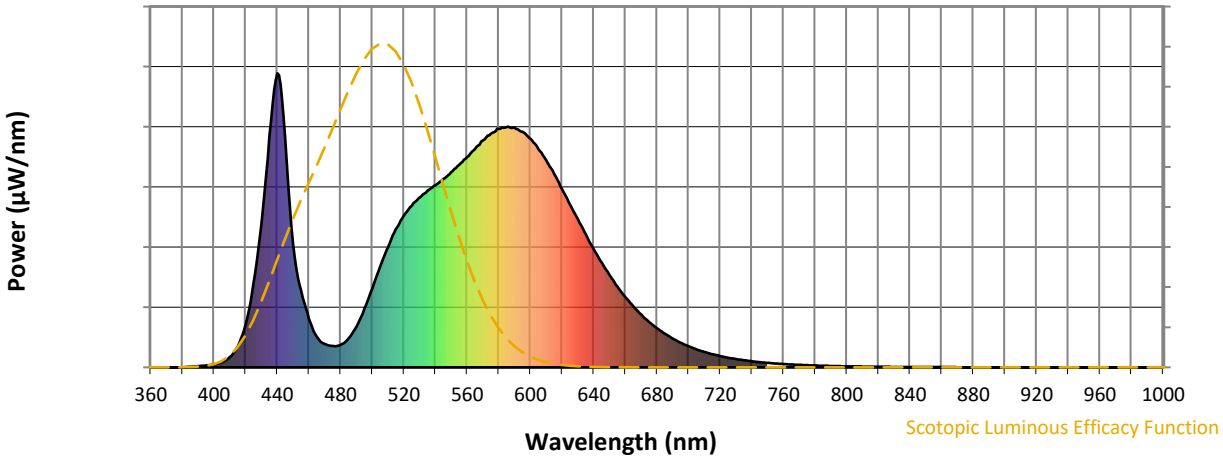


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

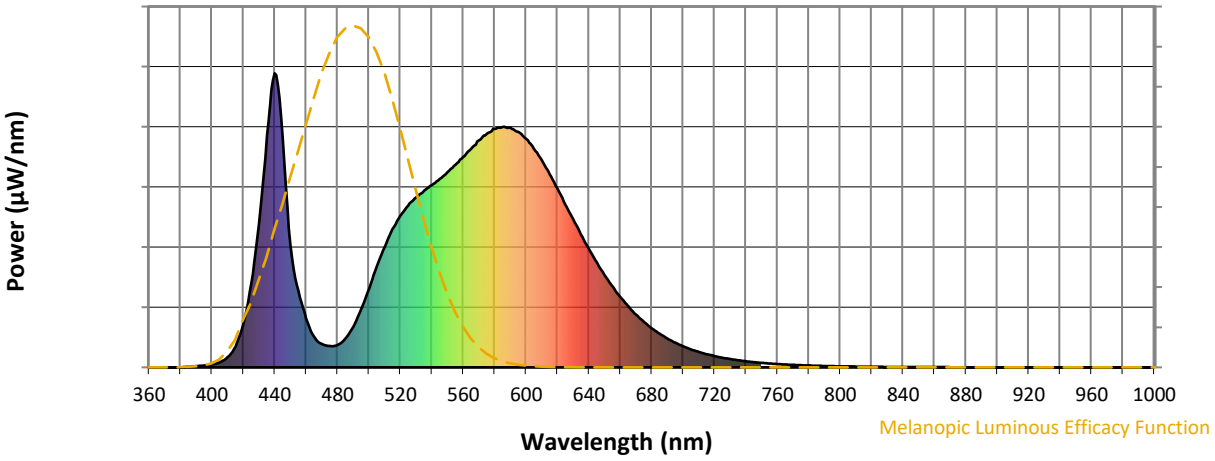


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

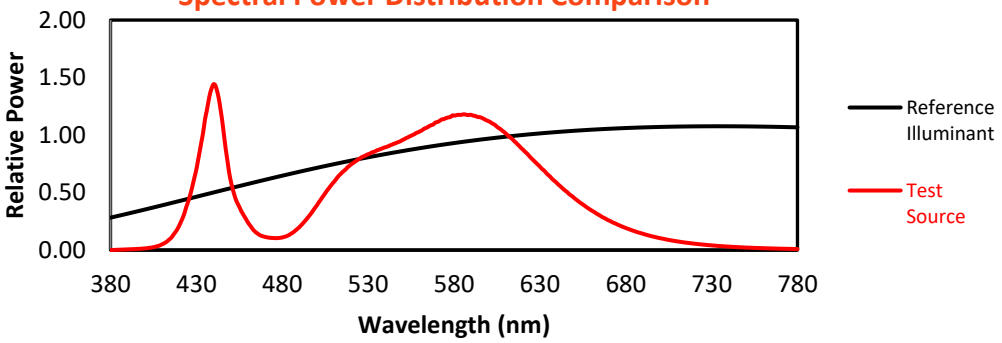
REPORT NUMBER: SP1-2407-184-1

TM-30-18

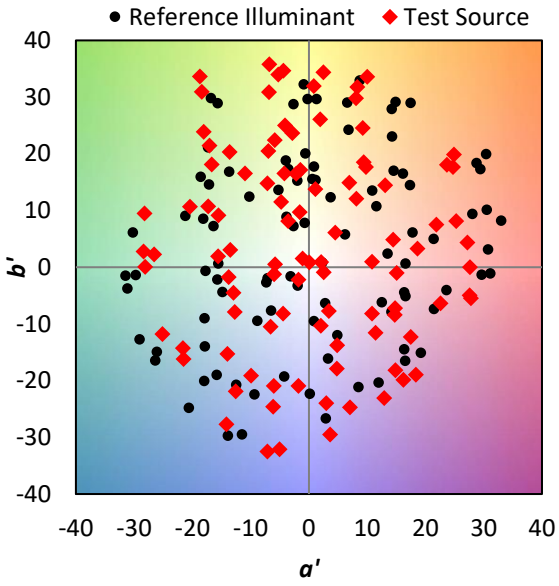
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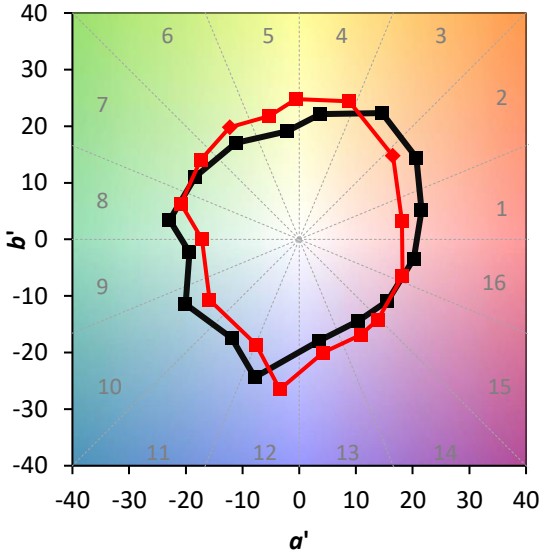
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

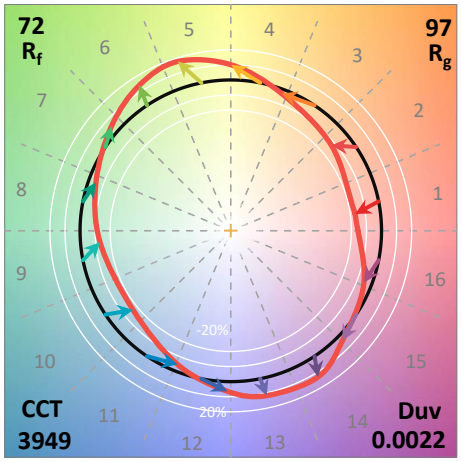
Spectral Power Distribution Comparison

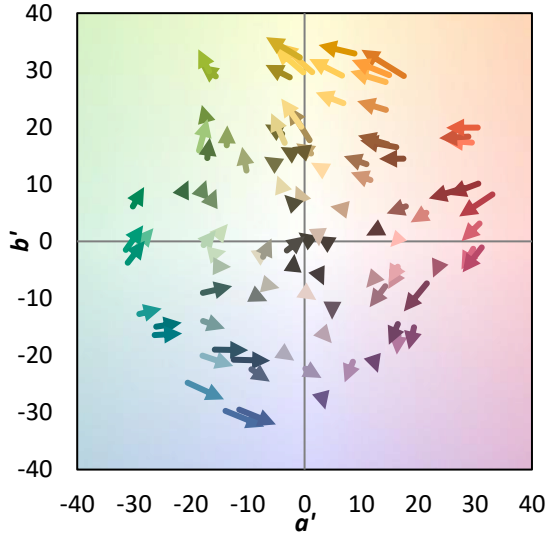


Color Vector Graphics







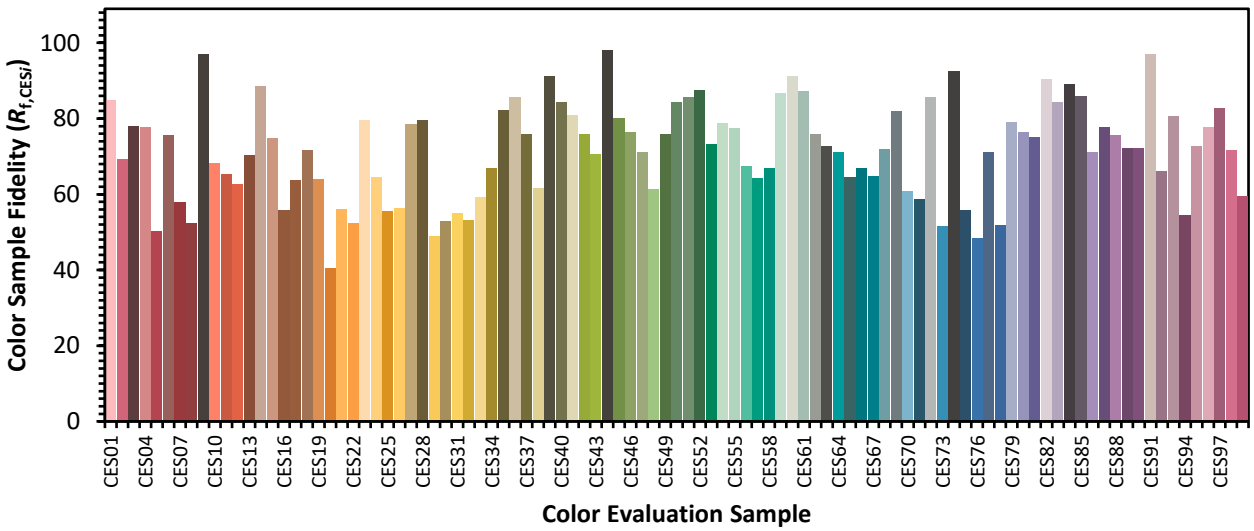


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Individual Sample Fidelity Index ($R_{f,i}$)

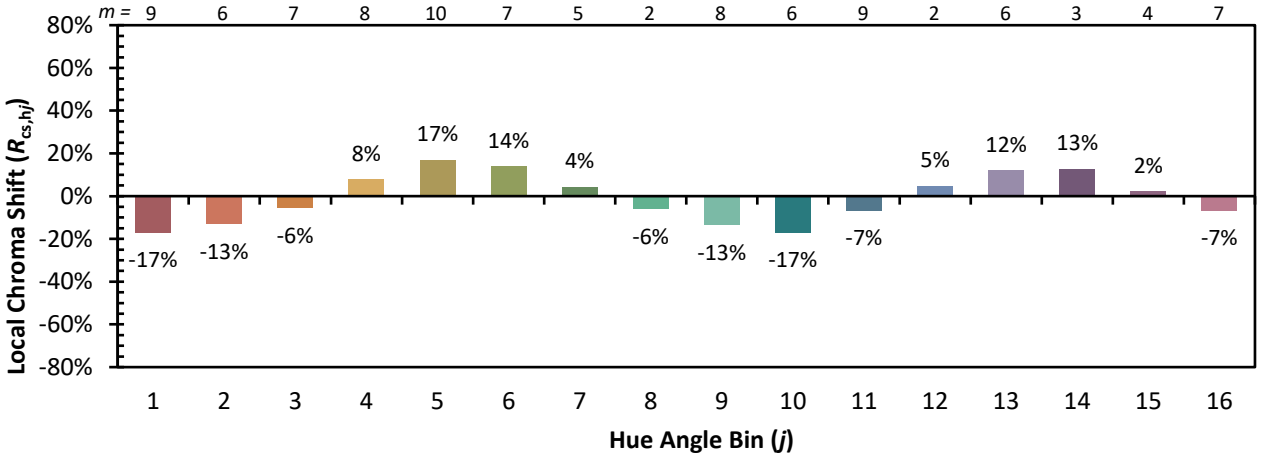
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

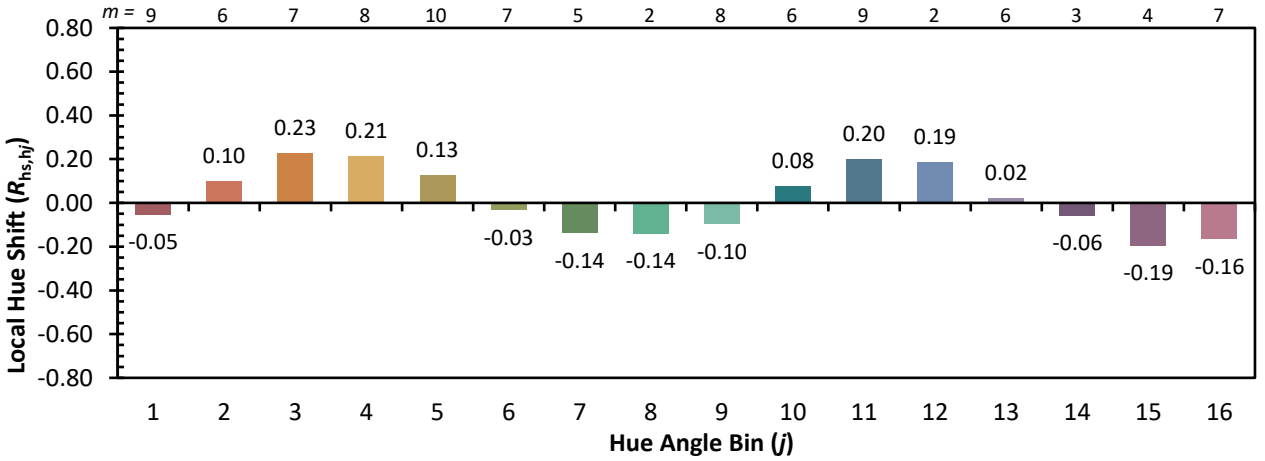


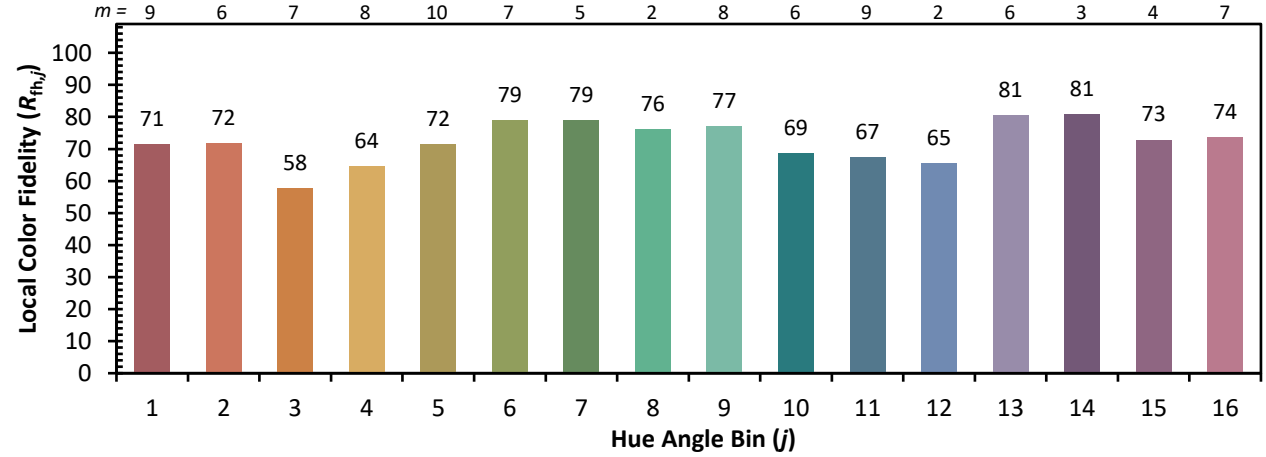
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Color Rendition by Hue-Angle Bin



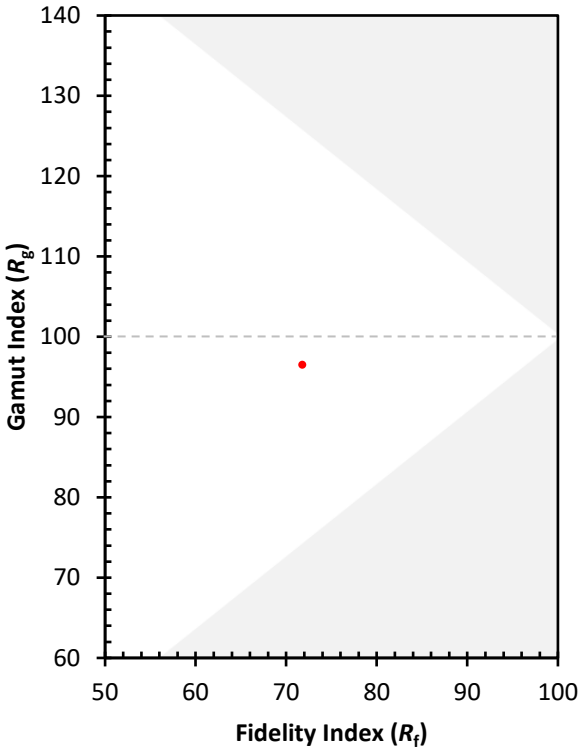


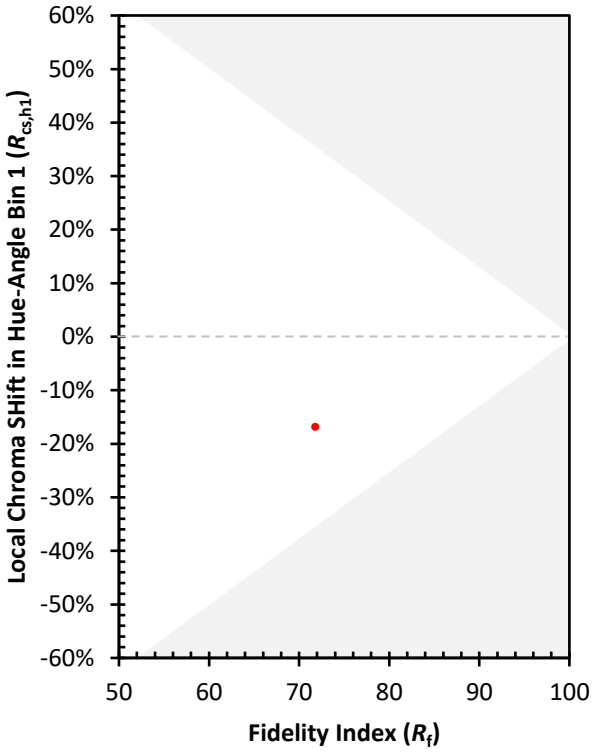


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Measure Comparisons





(END OF REPORT)