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: P1501346

Luminaire Tested: GSS-SB6B-740-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:	P1501346
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
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	34697.2 lumens
Efficiency:	N/A
Efficacy:	158.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

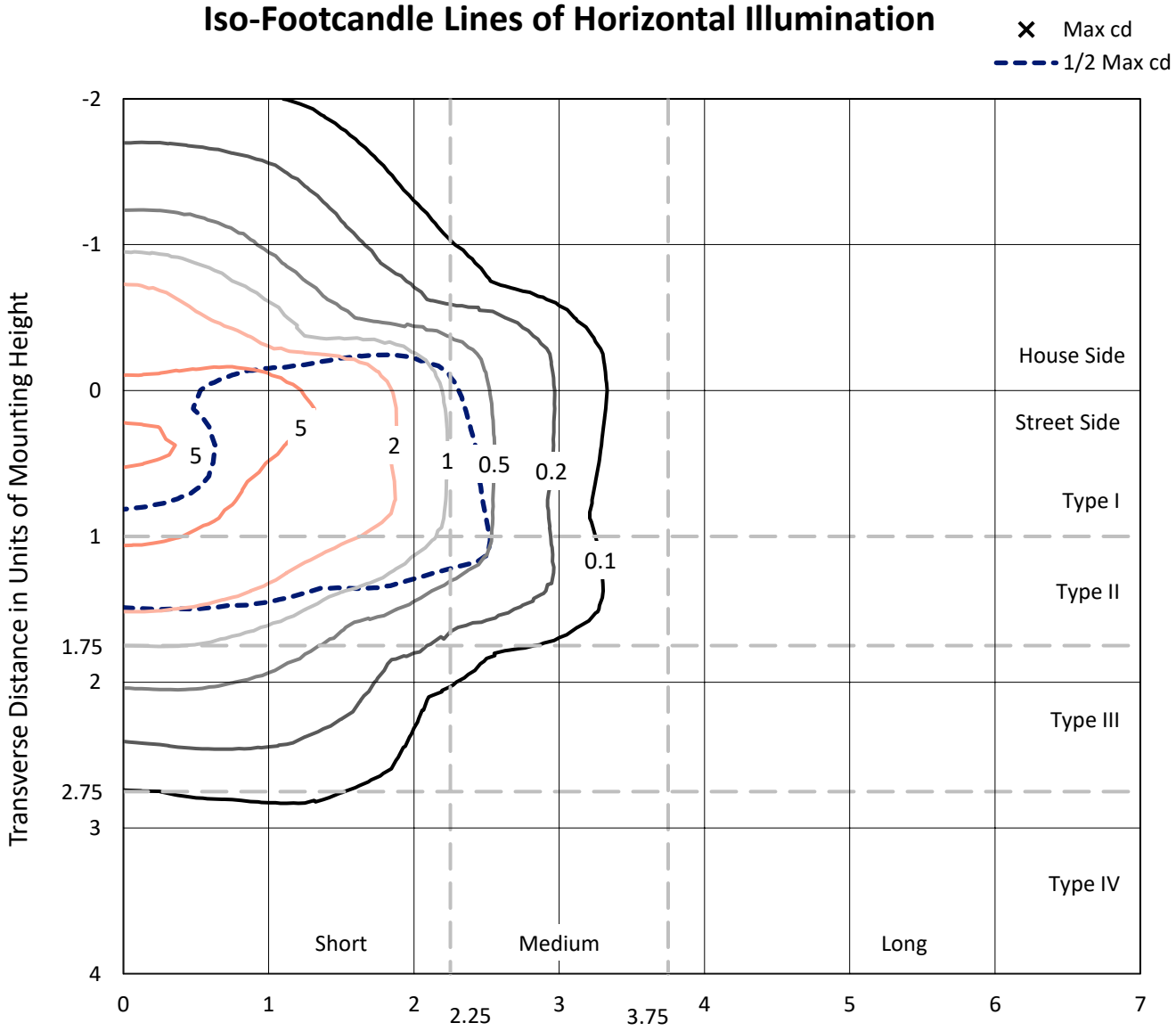
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



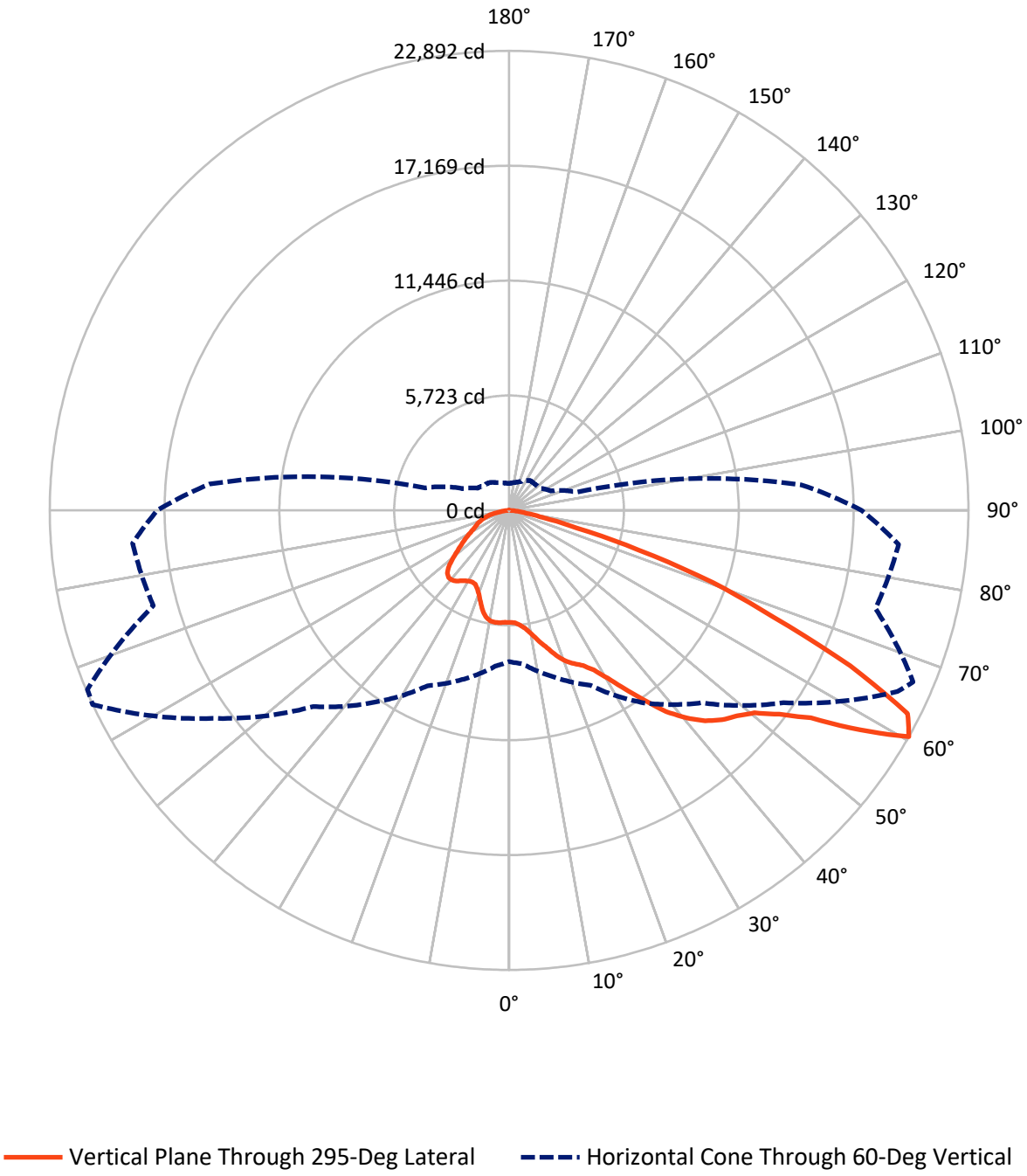
Based on 30 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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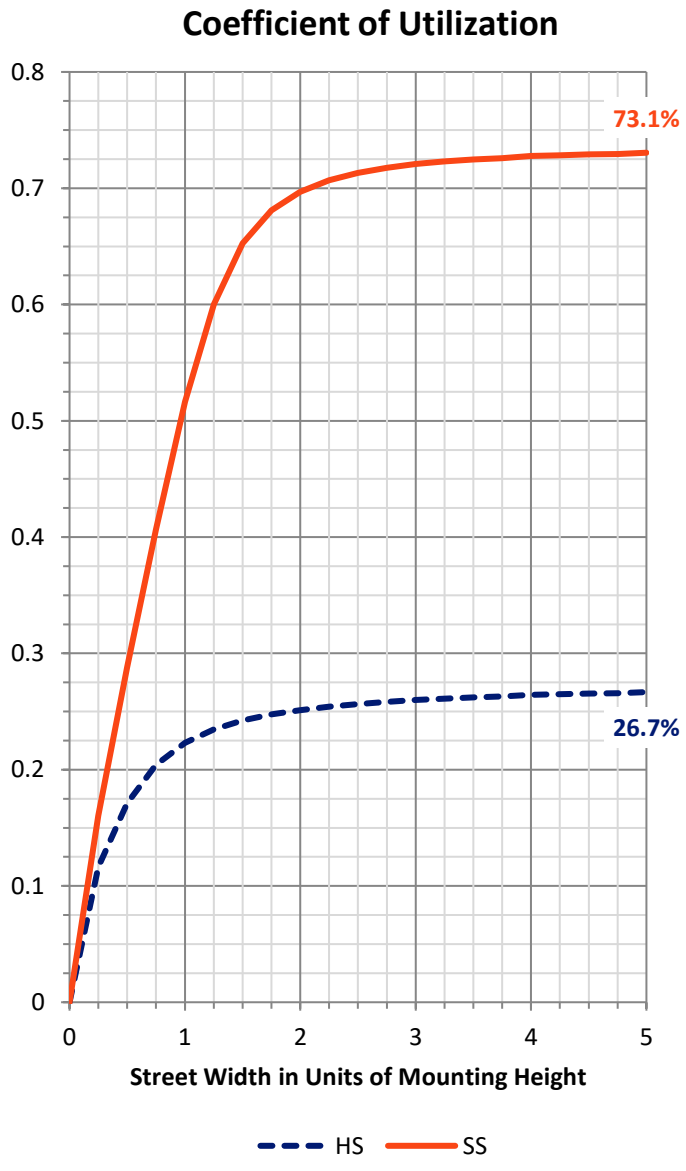
REPORT NUMBER: P1501346
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9330.5	0.0	9330.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	25366.7	0.0	25366.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	34697.2	0.0	34697.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.9	1.5
10°-20°	1508.9	4.3
20°-30°	2858.1	8.2
30°-40°	5038.7	14.5
40°-50°	7451.7	21.5
50°-60°	8750.4	25.2
60°-70°	6340.0	18.3
70°-80°	1955.2	5.6
80°-90°	269.2	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°	34697.2	100.0
0°-180°	34697.2	100.0



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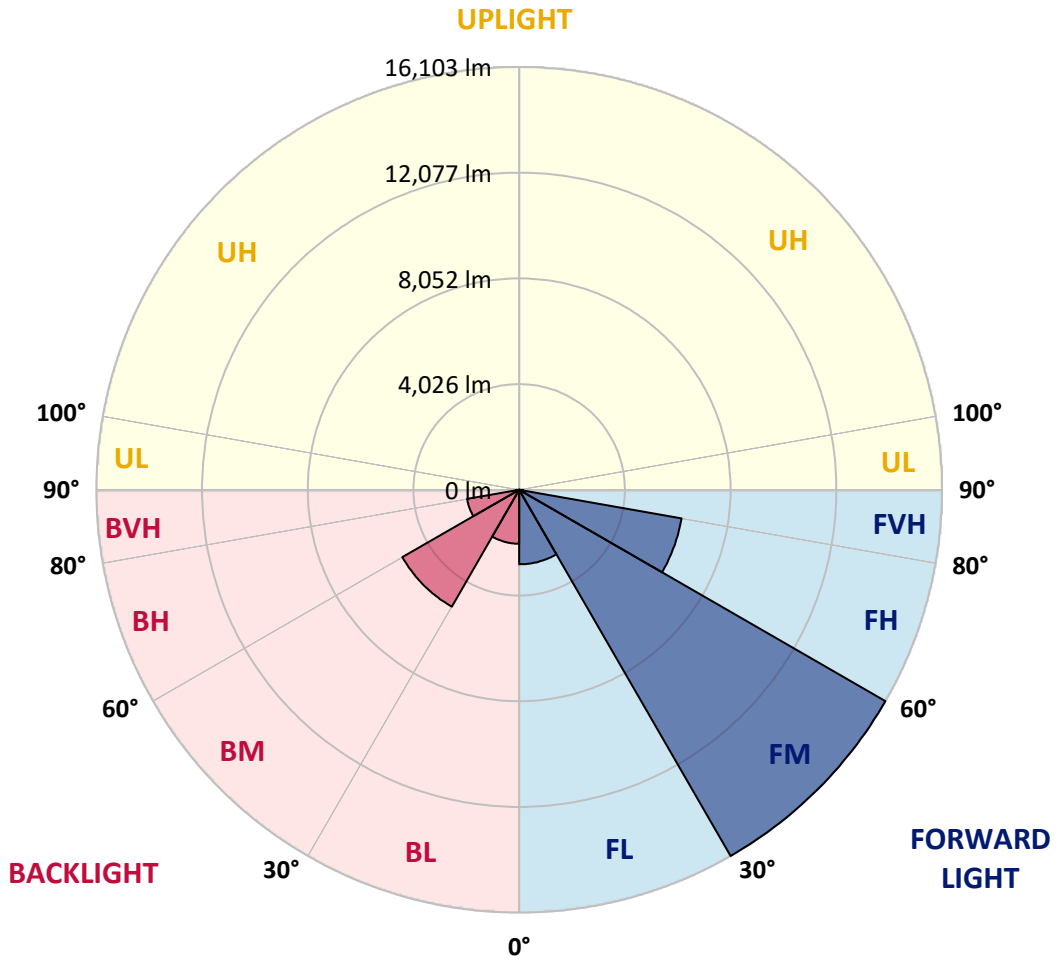
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2837.1	8.2			
FM	(30°-60°)	16103.2	46.4			
FH	(60°-80°)	6281.3	18.1			G3/7500
FVH	(80°-90°)	145.2	0.4			G2/225
BL	(0°-30°)	2054.9	5.9	B3/2500		
BM	(30°-60°)	5137.7	14.8	B4/8500		
BH	(60°-80°)	2014.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	124.0	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-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6
2.5°	5693.3	5709.1	5685.4	5701.2	5701.2	5677.5	5669.6	5638.0	5653.8	5645.9	5638.0
5°	5827.7	5835.7	5819.8	5843.6	5843.6	5851.5	5843.6	5804.0	5804.0	5804.0	5788.2
7.5°	5788.2	5788.2	5796.1	5875.2	5954.3	6057.1	6057.1	6041.2	6057.1	6049.2	5978.0
10°	5456.1	5487.7	5558.9	5756.6	5946.4	6167.8	6318.0	6365.4	6365.4	6373.4	6254.7
12.5°	4863.0	4886.8	5052.8	5353.3	5748.7	6151.9	6515.7	6752.9	6776.6	6816.2	6658.0
15°	4333.2	4349.1	4467.7	4776.1	5226.8	5938.4	6626.4	7116.7	7195.7	7361.8	7124.6
17.5°	4380.7	4372.8	4404.4	4523.0	4847.2	5590.5	6602.7	7543.6	7686.0	7978.6	7773.0
20°	4665.4	4665.4	4689.1	4712.8	4831.4	5337.5	6428.7	7891.6	8168.3	8737.7	8500.4
22.5°	5116.1	5116.1	5108.2	5147.7	5147.7	5448.2	6436.6	8152.5	8563.7	9583.8	9354.4
25°	5740.8	5709.1	5709.1	5724.9	5653.8	5867.3	6634.3	8421.4	8959.1	10588.0	10390.3
27.5°	6444.5	6468.2	6452.4	6397.1	6302.2	6468.2	7108.7	8840.5	9401.9	11647.6	11568.5
30°	7211.5	7219.4	7235.3	7203.6	7124.6	7243.2	7852.0	9473.1	9987.0	12754.6	12928.6
32.5°	7962.7	8073.4	8033.9	7954.8	7986.5	8200.0	8769.3	10327.1	10856.8	13782.6	14399.4
35°	8919.5	8959.1	9117.2	8824.6	8832.6	9196.3	9939.6	11449.9	11963.9	14850.1	15870.1
37.5°	10311.2	10382.4	10311.2	9852.6	9781.4	10287.5	11078.3	12556.9	12928.6	15656.6	17238.1
40°	11679.2	11766.2	11884.8	11347.1	10896.4	11315.5	12153.7	13403.0	13790.5	16099.4	18147.5
42.5°	12810.0	12952.3	12825.8	12667.6	12256.5	12335.5	12904.9	14059.3	14446.8	16660.9	19064.7
45°	13766.8	13790.5	13845.8	13735.1	13529.5	13458.4	13545.4	14636.6	15063.6	16913.9	19515.4
47.5°	14162.1	14264.9	14312.4	14502.2	14715.7	14573.3	14091.0	14905.4	15292.9	16898.1	19657.8
50°	13948.6	14051.4	14304.5	14755.2	15269.2	15522.2	14731.5	15277.1	15712.0	17182.8	19950.3
52.5°	13387.2	13497.9	13909.1	14423.1	15285.0	15862.2	15632.9	16052.0	16471.1	17688.8	20440.6
55°	12027.1	12193.2	12770.4	13624.4	14810.5	15680.4	16581.8	17190.7	17649.3	18297.7	20946.7
57.5°	10050.3	10224.3	10872.7	12153.7	13932.8	14929.2	16858.6	19325.7	19531.3	19025.2	20994.1
60°	*7527.8*	*7670.2*	*8587.4*	*9615.4*	*11702.9*	*13553.3*	*16700.4*	*21350.0*	*21871.8*	*18898.7*	*19483.8*
62.5°	5962.2	6136.1	6950.6	7425.0	8919.5	11196.9	16146.9	21911.4	22362.1	17854.9	17380.4
65°	4657.5	4776.1	5535.2	6215.2	6578.9	7646.4	13837.9	19167.5	19570.8	16154.8	14344.0
67.5°	3076.0	3257.8	4159.3	5092.4	5282.1	4863.0	9520.5	14747.3	14937.1	12841.6	10785.7
70°	2206.2	2293.1	2965.3	3961.6	4246.3	3257.8	5187.2	11165.2	11220.6	8619.1	7266.9
72.5°	1502.4	1518.2	2016.4	3036.4	3384.4	2364.3	2854.6	7353.9	7164.1	4254.2	4159.3
75°	1020.1	1035.9	1288.9	2024.3	2395.9	1644.7	1858.2	4009.0	3850.9	2348.5	2522.5
77.5°	687.9	703.8	885.6	1360.1	1597.3	1138.7	1360.1	2119.2	2079.6	1557.8	1352.2
80°	521.9	545.6	656.3	869.8	1114.9	664.2	774.9	1004.2	1020.1	830.3	687.9
82.5°	292.6	324.2	395.4	442.8	719.6	371.6	371.6	601.0	577.2	514.0	371.6
85°	126.5	134.4	158.1	166.1	292.6	158.1	134.4	260.9	268.9	253.0	118.6
87.5°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	31.6	31.6	31.6	31.6
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°	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6
2.5°	5598.4	5645.9	5598.4	5574.7	5574.7	5535.2	5519.4	5519.4	5464.0	5487.7	5471.9
5°	5724.9	5740.8	5685.4	5614.2	5519.4	5440.3	5329.6	5187.2	5100.3	5092.4	5100.3
7.5°	5922.6	5930.5	5780.3	5622.2	5384.9	5100.3	4760.2	4483.5	4238.4	4198.8	4246.3
10°	6199.4	6183.6	5962.2	5590.5	5092.4	4491.4	3969.5	3716.5	3574.1	3566.2	3558.3
12.5°	6571.0	6468.2	6128.2	5456.1	4586.3	3890.4	3621.6	3605.8	3645.3	3676.9	3684.8
15°	6998.0	6863.6	6262.7	5195.2	4072.3	3669.0	3684.8	3819.3	3866.7	3898.3	3898.3
17.5°	7527.8	7353.9	6412.9	4823.5	3811.4	3716.5	3827.2	3953.7	4032.8	4064.4	4056.5
20°	8231.6	7867.9	6531.5	4467.7	3740.2	3795.5	3890.4	4017.0	4096.0	4135.6	4135.6
22.5°	8935.4	8484.6	6555.2	4222.5	3740.2	3803.5	3890.4	4017.0	4103.9	4143.5	4135.6
25°	9892.1	9275.4	6563.1	4048.6	3748.1	3763.9	3843.0	3953.7	4080.2	4119.7	4135.6
27.5°	10912.2	10145.2	6602.7	4009.0	3716.5	3708.6	3763.9	3866.7	3993.2	4096.0	4103.9
30°	12177.4	11125.7	6618.5	4048.6	3724.4	3621.6	3661.1	3763.9	3898.3	4001.1	4032.8
32.5°	13418.8	12035.0	6586.9	4135.6	3740.2	3566.2	3574.1	3637.4	3779.7	3850.9	3906.3
35°	14731.5	12999.7	6531.5	4254.2	3748.1	3542.5	3471.3	3503.0	3597.9	3605.8	3629.5
37.5°	15759.4	13719.3	6365.4	4412.3	3763.9	3455.5	3313.2	3289.5	3249.9	3170.9	3186.7
40°	16605.5	14201.7	6088.7	4491.4	3724.4	3352.7	3115.5	3004.8	2854.6	2736.0	2759.7
42.5°	17214.4	14525.9	5756.6	4507.2	3661.1	3178.8	2886.2	2696.4	2530.4	2403.8	2411.8
45°	17483.2	14494.2	5400.7	4388.6	3510.9	2965.3	2672.7	2490.8	2309.0	2174.5	2158.7
47.5°	17491.1	14185.9	4910.5	4103.9	3257.8	2720.1	2475.0	2277.3	2127.1	2032.2	2024.3
50°	17554.4	14011.9	4451.9	3692.8	2925.7	2459.2	2301.1	2103.4	2016.4	1882.0	1842.4
52.5°	17949.8	14296.6	4135.6	3242.0	2617.3	2269.4	2150.8	1976.8	1834.5	1747.5	1739.6
55°	18590.3	14786.8	3961.6	2902.0	2324.8	2087.6	2008.5	1858.2	1731.7	1644.7	1621.0
57.5°	18669.3	15039.9	3756.0	2585.7	2087.6	1945.2	1913.6	1747.5	1565.7	1502.4	1478.7
60°	*17562.3*	*14612.9*	*3503.0*	*2293.1*	*1913.6*	*1834.5*	*1818.7*	*1597.3*	*1447.1*	*1368.0*	*1336.3*
62.5°	16052.0	13545.4	3115.5	2024.3	1779.2	1723.8	1660.6	1486.6	1296.8	1209.8	1186.1
65°	13118.4	11386.6	2649.0	1842.4	1644.7	1581.5	1565.7	1328.4	1201.9	1154.5	1146.6
67.5°	9939.6	9148.8	2332.7	1708.0	1502.4	1478.7	1423.3	1344.3	1288.9	1233.6	1217.7
70°	7029.7	6602.7	1984.8	1534.0	1360.1	1320.5	1549.8	1462.9	1265.2	1194.0	1186.1
72.5°	4262.1	4143.5	1715.9	1375.9	1170.3	1233.6	1431.2	1320.5	1138.7	1051.7	1020.1
75°	2688.5	2459.2	1439.1	1170.3	933.1	1004.2	1249.4	1178.2	980.5	893.5	869.8
77.5°	1462.9	1360.1	1083.3	956.8	735.4	814.5	1091.2	972.6	782.8	854.0	759.1
80°	640.5	711.7	719.6	553.5	490.3	601.0	782.8	759.1	601.0	608.9	506.1
82.5°	308.4	403.3	466.5	379.6	276.8	355.8	521.9	434.9	403.3	379.6	363.7
85°	94.9	150.2	205.6	181.9	126.5	150.2	245.1	237.2	284.7	245.1	229.3
87.5°	31.6	31.6	23.7	23.7	23.7	31.6	39.5	23.7	7.9	7.9	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°	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6
2.5°	5464.0	5471.9	5471.9	5479.8	5479.8	5503.5	5535.2	5566.8	5543.1	5574.7	5582.6
5°	5084.5	5124.0	5155.6	5274.2	5369.1	5448.2	5535.2	5614.2	5638.0	5653.8	5693.3
7.5°	4190.9	4301.6	4507.2	4776.1	5076.5	5369.1	5566.8	5772.4	5804.0	5843.6	5898.9
10°	3566.2	3613.7	3756.0	4032.8	4570.5	5147.7	5630.1	5954.3	6088.7	6167.8	6223.1
12.5°	3669.0	3637.4	3613.7	3653.2	4001.1	4744.4	5590.5	6215.2	6468.2	6555.2	6626.4
15°	3914.2	3882.5	3795.5	3684.8	3724.4	4317.4	5456.1	6460.3	6863.6	7005.9	7156.2
17.5°	4056.5	4024.9	3953.7	3835.1	3732.3	3961.6	5203.1	6681.7	7488.3	7662.3	7875.8
20°	4135.6	4103.9	4032.8	3914.2	3795.5	3827.2	4878.9	6958.5	8200.0	8476.7	8793.0
22.5°	4151.4	4111.8	4032.8	3914.2	3843.0	3819.3	4570.5	7124.6	8967.0	9394.0	9757.7
25°	4143.5	4072.3	3969.5	3882.5	3843.0	3835.1	4357.0	7219.4	9797.3	10477.3	10888.5
27.5°	4088.1	4001.1	3898.3	3835.1	3819.3	3866.7	4262.1	7330.2	10769.9	11639.7	12296.0
30°	4024.9	3898.3	3771.8	3748.1	3787.6	3937.9	4341.2	7369.7	11789.9	12904.9	13577.0
32.5°	3858.8	3763.9	3637.4	3629.5	3724.4	3993.2	4523.0	7314.3	12691.4	14170.0	15016.1
35°	3621.6	3566.2	3495.1	3518.8	3669.0	4040.7	4649.5	7140.4	13513.7	15348.2	16336.7
37.5°	3202.5	3242.0	3281.6	3336.9	3526.7	4032.8	4704.9	6863.6	14193.8	16289.2	17554.4
40°	2736.0	2870.4	2996.9	3139.2	3392.3	3969.5	4720.7	6523.6	14589.1	17000.9	18637.7
42.5°	2443.4	2569.9	2728.0	2933.6	3210.4	3827.2	4704.9	6144.0	14715.7	17491.1	19325.7
45°	2174.5	2324.8	2522.5	2736.0	3052.3	3621.6	4562.6	5732.9	14778.9	17720.5	19618.2
47.5°	2032.2	2119.2	2301.1	2514.5	2846.7	3368.5	4285.8	5432.4	14684.0	17767.9	19974.1
50°	1866.1	1984.8	2103.4	2309.0	2633.2	3052.3	3953.7	5258.4	14842.2	18234.4	20535.5
52.5°	1739.6	1802.9	1929.4	2119.2	2356.4	2759.7	3637.4	5116.1	15277.1	18708.9	21120.6
55°	1644.7	1715.9	1795.0	1953.1	2135.0	2467.1	3313.2	4902.6	15783.1	19215.0	21705.8
57.5°	1494.5	1541.9	1652.6	1818.7	1937.3	2182.4	2933.6	4649.5	15743.6	18819.6	20693.6
60°	*1360.1*	*1407.5*	*1526.1*	*1692.2*	*1763.3*	*1929.4*	*2562.0*	*4325.3*	*14984.5*	*17530.7*	*18827.5*
62.5°	1209.8	1265.2	1407.5	1526.1	1589.4	1715.9	2174.5	3732.3	13403.0	15593.4	16645.1
65°	1146.6	1178.2	1273.1	1415.4	1407.5	1526.1	1834.5	2933.6	10785.7	11916.4	12873.2
67.5°	1217.7	1265.2	1249.4	1288.9	1265.2	1328.4	1644.7	2356.4	8476.7	8974.9	9528.4
70°	1201.9	1312.6	1368.0	1288.9	1107.0	1178.2	1423.3	1882.0	6065.0	6017.5	5993.8
72.5°	1051.7	1162.4	1320.5	1399.6	1083.3	980.5	1233.6	1628.9	3890.4	3874.6	3503.0
75°	893.5	972.6	1162.4	1265.2	933.1	790.7	1059.6	1383.8	2324.8	2356.4	2103.4
77.5°	822.4	782.8	972.6	1114.9	759.1	608.9	854.0	1043.8	1281.0	1296.8	1201.9
80°	593.1	569.3	727.5	814.5	577.2	434.9	482.4	648.4	687.9	616.8	640.5
82.5°	379.6	387.5	434.9	521.9	355.8	237.2	332.1	434.9	371.6	300.5	355.8
85°	245.1	276.8	229.3	268.9	110.7	110.7	142.3	189.8	126.5	87.0	94.9
87.5°	0.0	0.0	15.8	31.6	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: P1501346
CATALOG NUMBER: GSS-SB6B-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5582.6	5582.6	*5582.6*	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6	5582.6
2.5°	5606.3	5598.4	*5598.4*	5614.2	5653.8	5669.6	5693.3	5685.4	5709.1	5693.3
5°	5717.0	5724.9	*5748.7*	5756.6	5780.3	5811.9	5819.8	5811.9	5827.7	5827.7
7.5°	5938.4	5970.1	*5954.3*	5993.8	5962.2	5922.6	5859.4	5811.9	5772.4	5788.2
10°	6310.1	6294.3	*6286.4*	6215.2	6072.9	5867.3	5701.2	5519.4	5487.7	5456.1
12.5°	6721.3	6705.5	*6705.5*	6460.3	6057.1	5630.1	5250.5	4965.8	4871.0	4863.0
15°	7298.5	7195.7	*7100.8*	6586.9	5780.3	5052.8	4610.0	4388.6	4333.2	4333.2
17.5°	8018.1	7749.2	*7591.1*	6492.0	5329.6	4673.3	4412.3	4357.0	4341.2	4380.7
20°	8911.6	8231.6	*8002.3*	6278.5	5163.5	4720.7	4594.2	4602.1	4610.0	4665.4
22.5°	9892.1	8674.4	*8294.9*	6278.5	5329.6	5021.2	4957.9	5044.9	5068.6	5116.1
25°	10983.4	9069.8	*8555.8*	6610.6	5819.8	5590.5	5511.5	5598.4	5661.7	5740.8
27.5°	12209.0	9481.0	*9006.5*	7211.5	6452.4	6310.1	6223.1	6262.7	6349.6	6444.5
30°	13308.1	10168.9	*9694.5*	8128.8	7314.3	7140.4	6990.1	7053.4	7148.3	7211.5
32.5°	14280.7	11007.1	*10603.8*	9093.5	8302.8	8002.3	7836.2	7820.4	8010.2	7962.7
35°	15174.3	11995.5	*11608.0*	10192.6	9307.0	8935.4	8713.9	8998.6	8872.1	8919.5
37.5°	15878.0	13023.5	*12715.1*	11244.3	10350.8	9844.7	9710.3	10058.2	10255.9	10311.2
40°	16455.3	13917.0	*13592.8*	12288.1	11307.6	10935.9	11149.4	11726.7	11702.9	11679.2
42.5°	16898.1	14684.0	*14328.2*	13078.8	12224.8	12296.0	12462.0	12849.5	12944.4	12810.0
45°	17095.8	15166.4	*14881.7*	13703.5	13268.6	13679.8	13751.0	13917.0	13853.7	13766.8
47.5°	17325.1	15593.4	*15292.9*	14272.8	14399.4	14802.6	14660.3	14525.9	14296.6	14162.1
50°	17712.6	16099.4	*15846.4*	15103.1	15561.7	15427.3	14873.8	14573.3	14106.8	13948.6
52.5°	18447.9	17056.2	*16866.5*	16415.7	16107.4	15332.4	14660.3	14122.6	13600.7	13387.2
55°	19104.3	18353.1	*18242.3*	17641.4	15941.3	14834.3	13932.8	13102.5	12209.0	12027.1
57.5°	19483.8	20503.9	*20630.4*	18163.3	15182.2	13703.5	12375.1	11046.6	10200.5	10050.3
60°	*18353.1*	*22828.6*	*22891.9*	*18060.5*	*13814.2*	*11663.4*	*9639.1*	*8698.1*	*7788.8*	*7527.8*
62.5°	16795.3	22346.3	*22290.9*	17443.7	10999.2	8508.4	7322.2	6879.4	6175.7	5962.2
65°	14438.9	18614.0	*18677.3*	15071.5	7314.3	6151.9	6151.9	5590.5	4807.7	4657.5
67.5°	11766.2	14351.9	*14209.6*	9773.5	4491.4	4926.3	5163.5	4357.0	3257.8	3076.0
70°	7646.4	10959.6	*10762.0*	5638.0	2822.9	4103.9	4064.4	3273.7	2332.7	2206.2
72.5°	3289.5	6333.8	*6737.1*	2878.3	2127.1	3305.3	3242.0	2293.1	1557.8	1502.4
75°	1984.8	3186.7	*3471.3*	1834.5	1549.8	2490.8	2245.7	1455.0	1059.6	1020.1
77.5°	1257.3	1747.5	*1731.7*	1375.9	1162.4	1684.3	1510.3	1004.2	719.6	687.9
80°	727.5	861.9	*893.5*	861.9	782.8	1201.9	964.7	727.5	561.4	521.9
82.5°	466.5	537.7	*545.6*	419.1	434.9	774.9	521.9	427.0	324.2	292.6
85°	205.6	229.3	*221.4*	142.3	142.3	316.3	181.9	174.0	126.5	126.5
87.5°	7.9	15.8	*7.9*	7.9	7.9	31.6	15.8	23.7	23.7	23.7
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

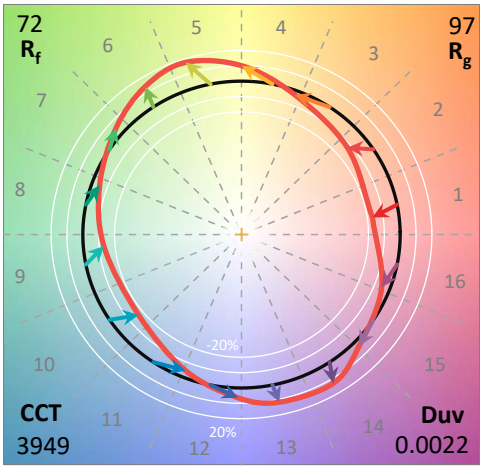
Test Information

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

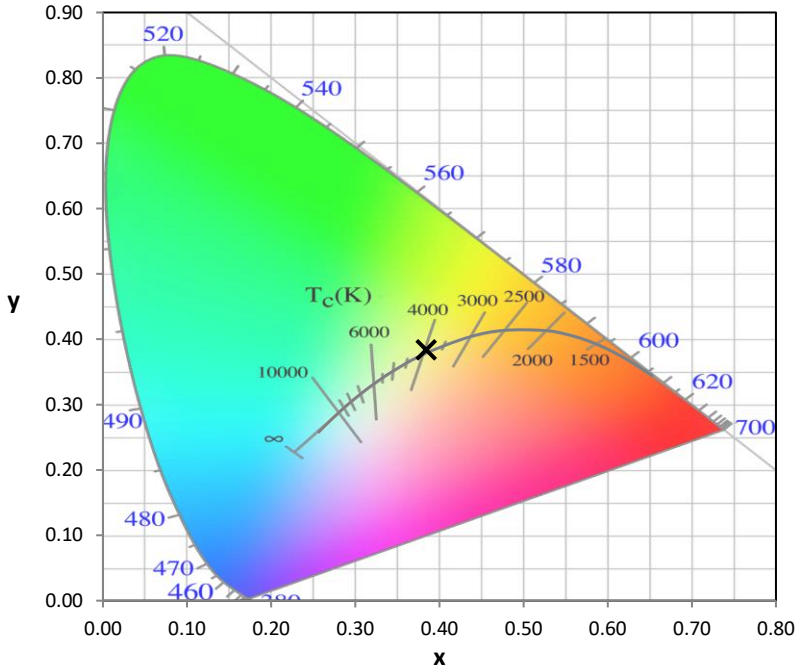
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

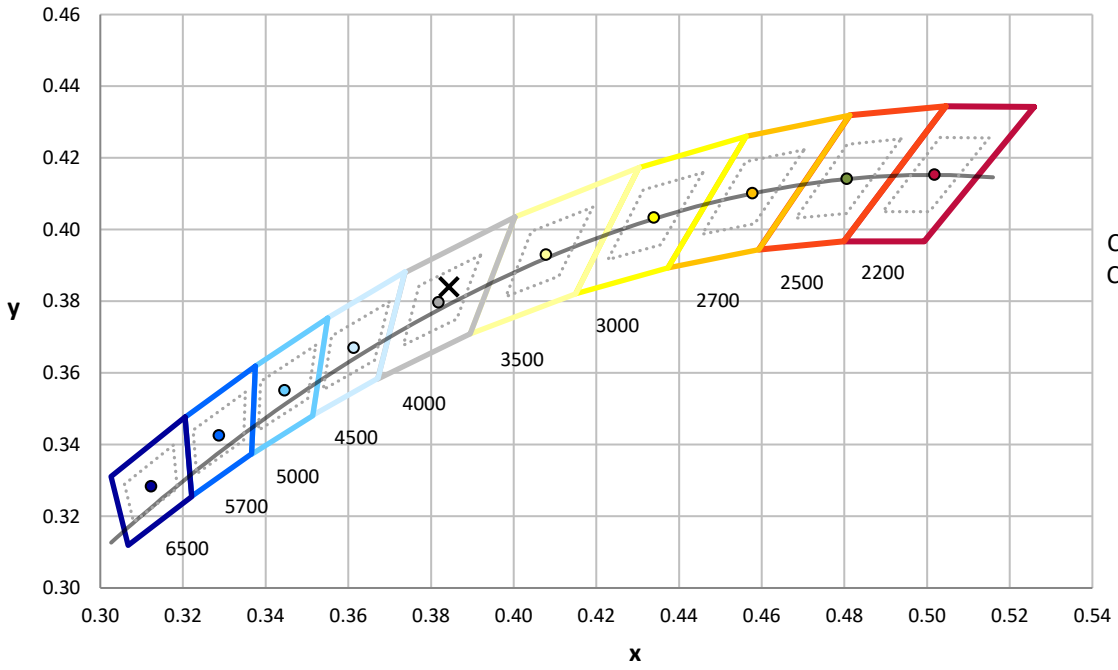
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

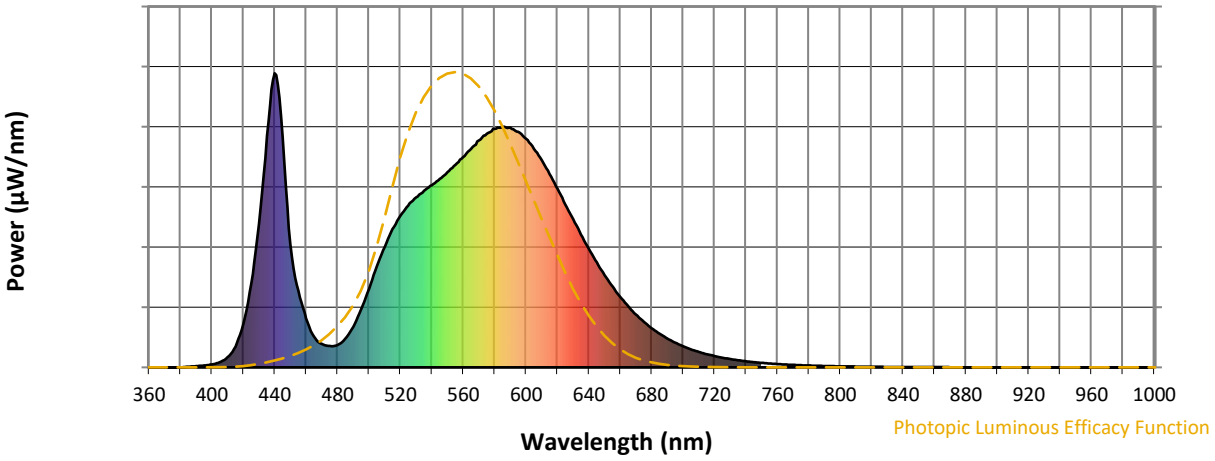


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

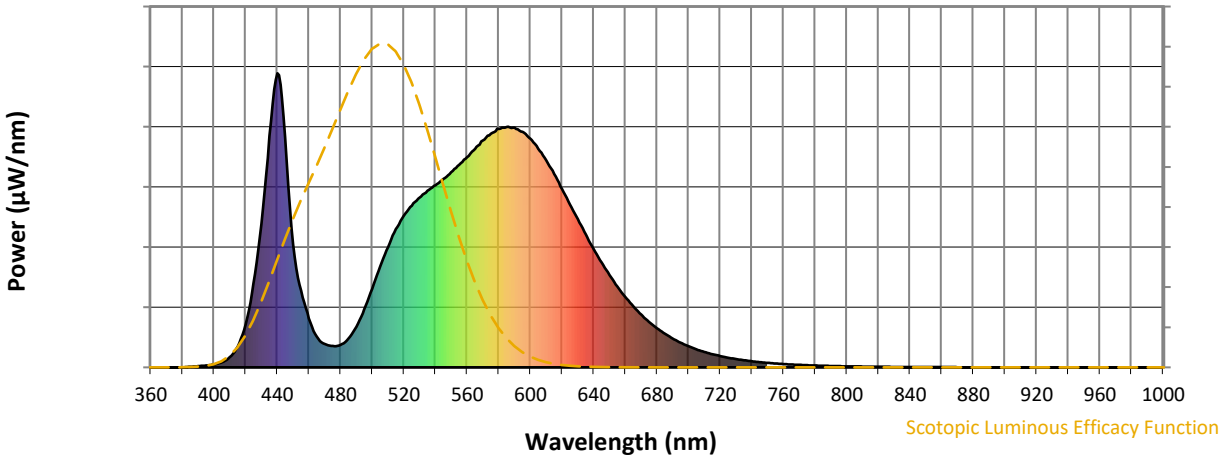


Photopic Lumens: NR

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

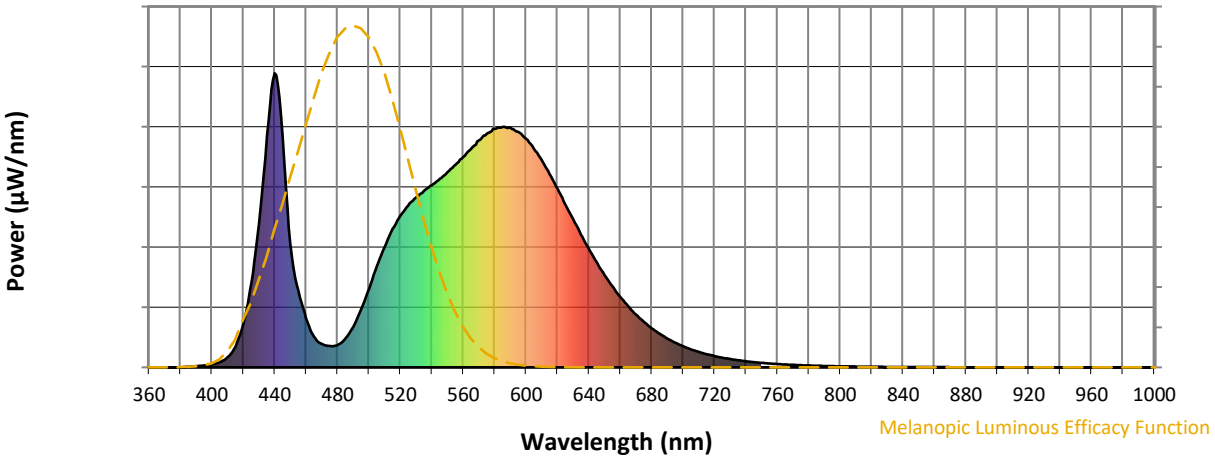


Scotopic Lumens: NR **S/P: 1.47**

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			

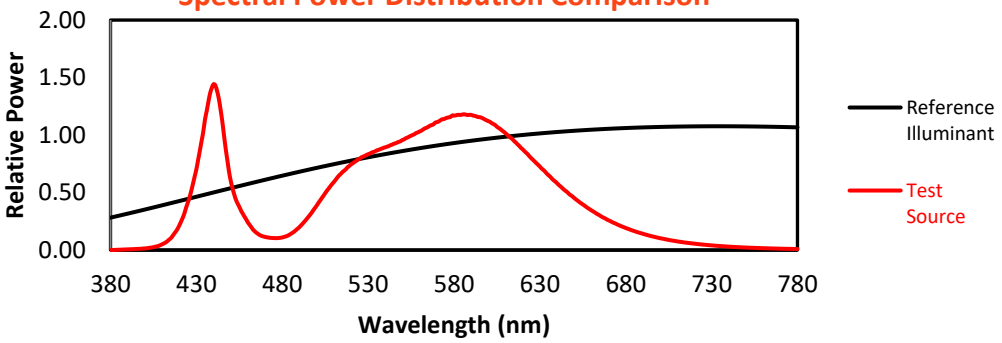
REPORT NUMBER: SP1-2407-184-1

TM-30-18

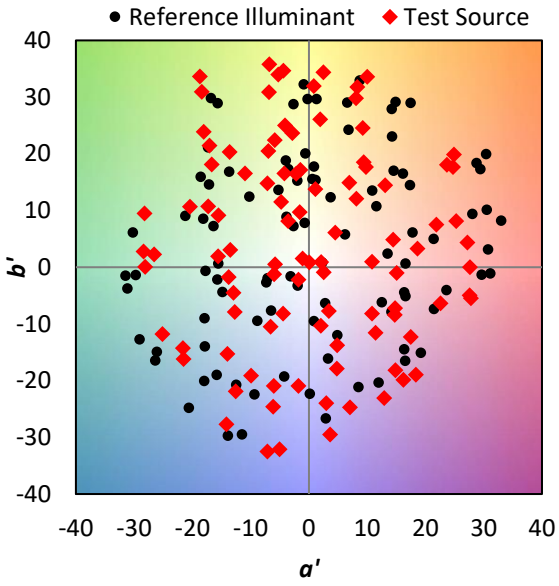
Summary

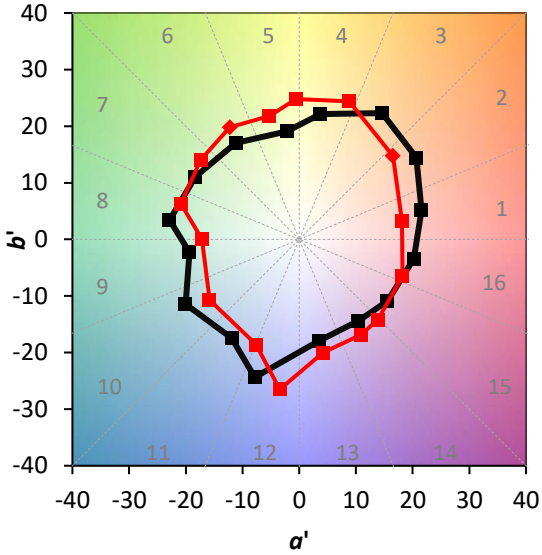
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

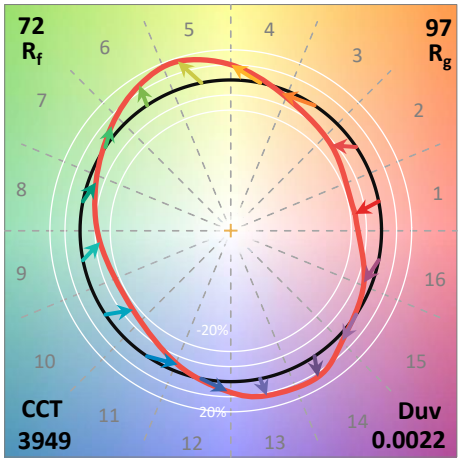
Spectral Power Distribution Comparison

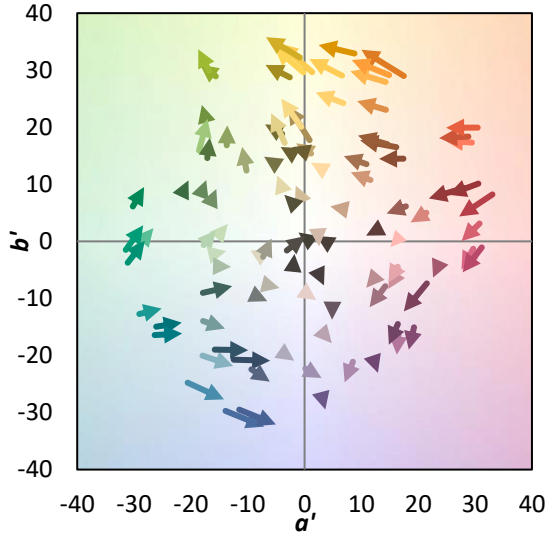


Color Vector Graphics







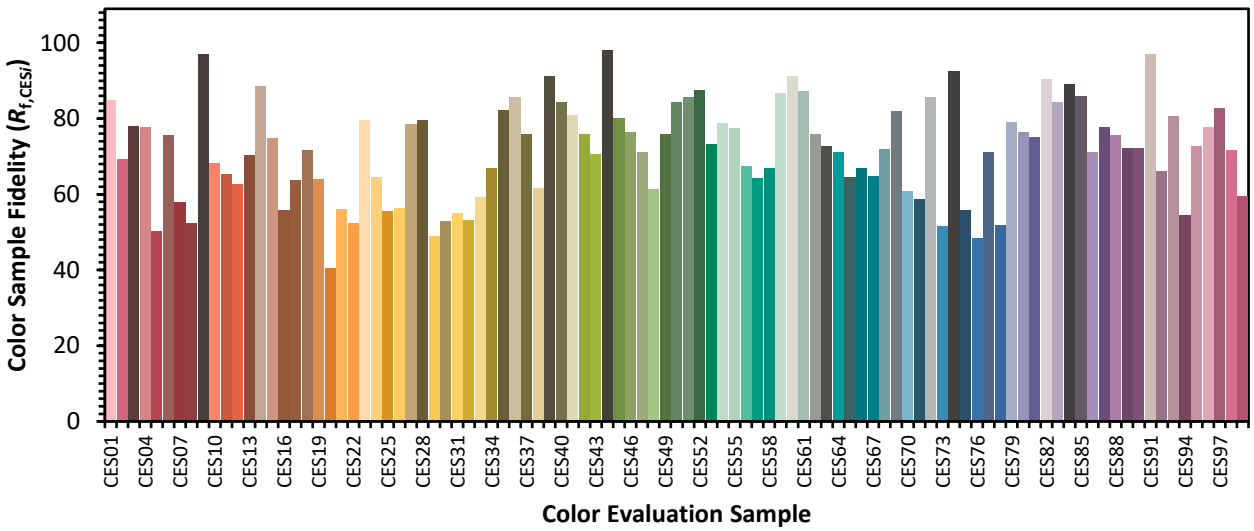


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Individual Sample Fidelity Index ($R_{f,i}$)

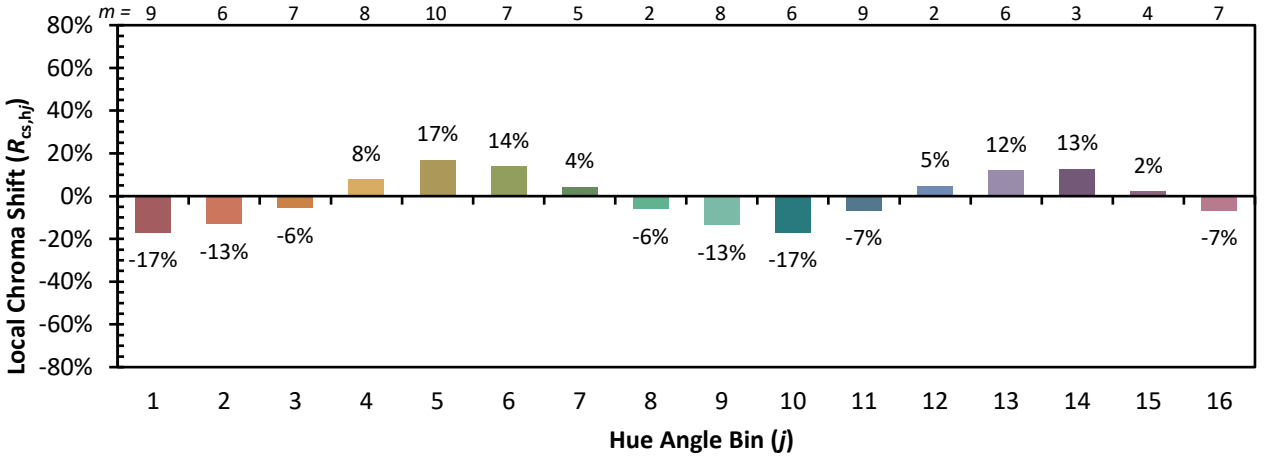
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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	

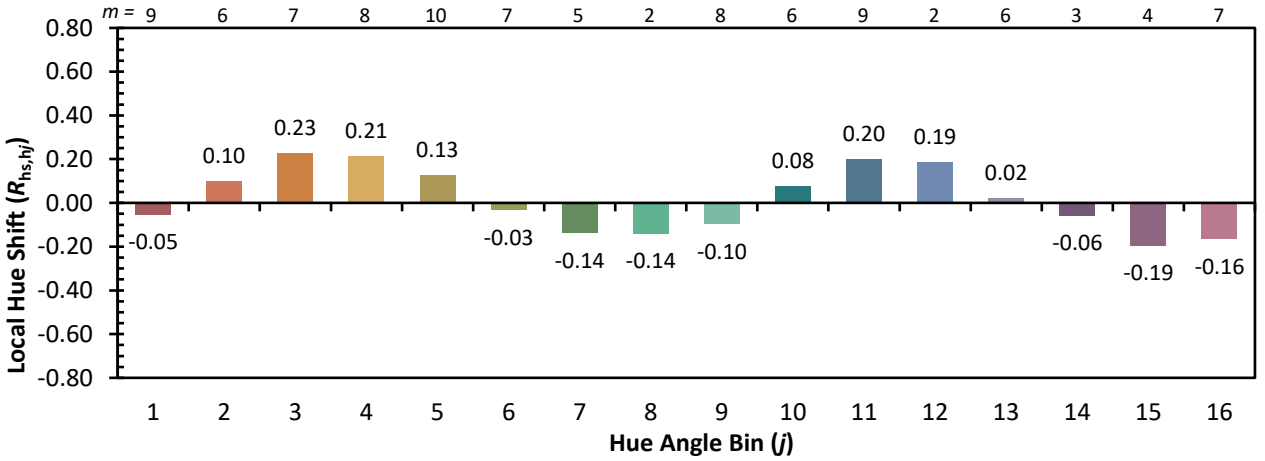


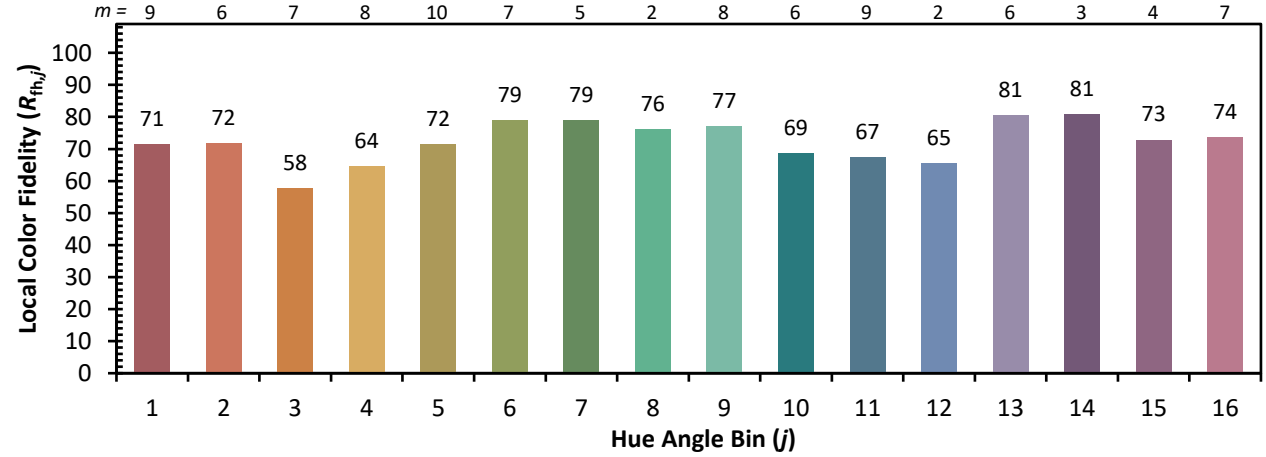
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Color Rendition by Hue-Angle Bin



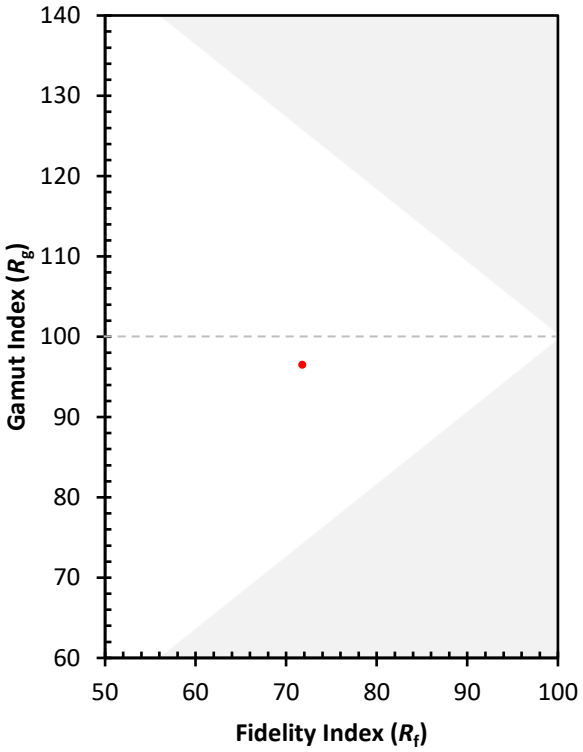


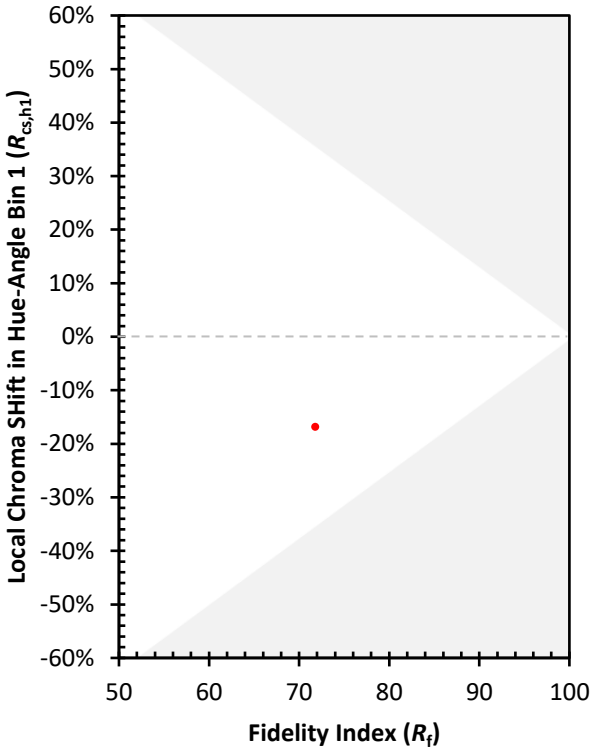


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Measure Comparisons





(END OF REPORT)