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: P1501723

Luminaire Tested: GSS-SB4C-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:	P1501723
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24828.2 lumens
Efficiency:	N/A
Efficacy:	121.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

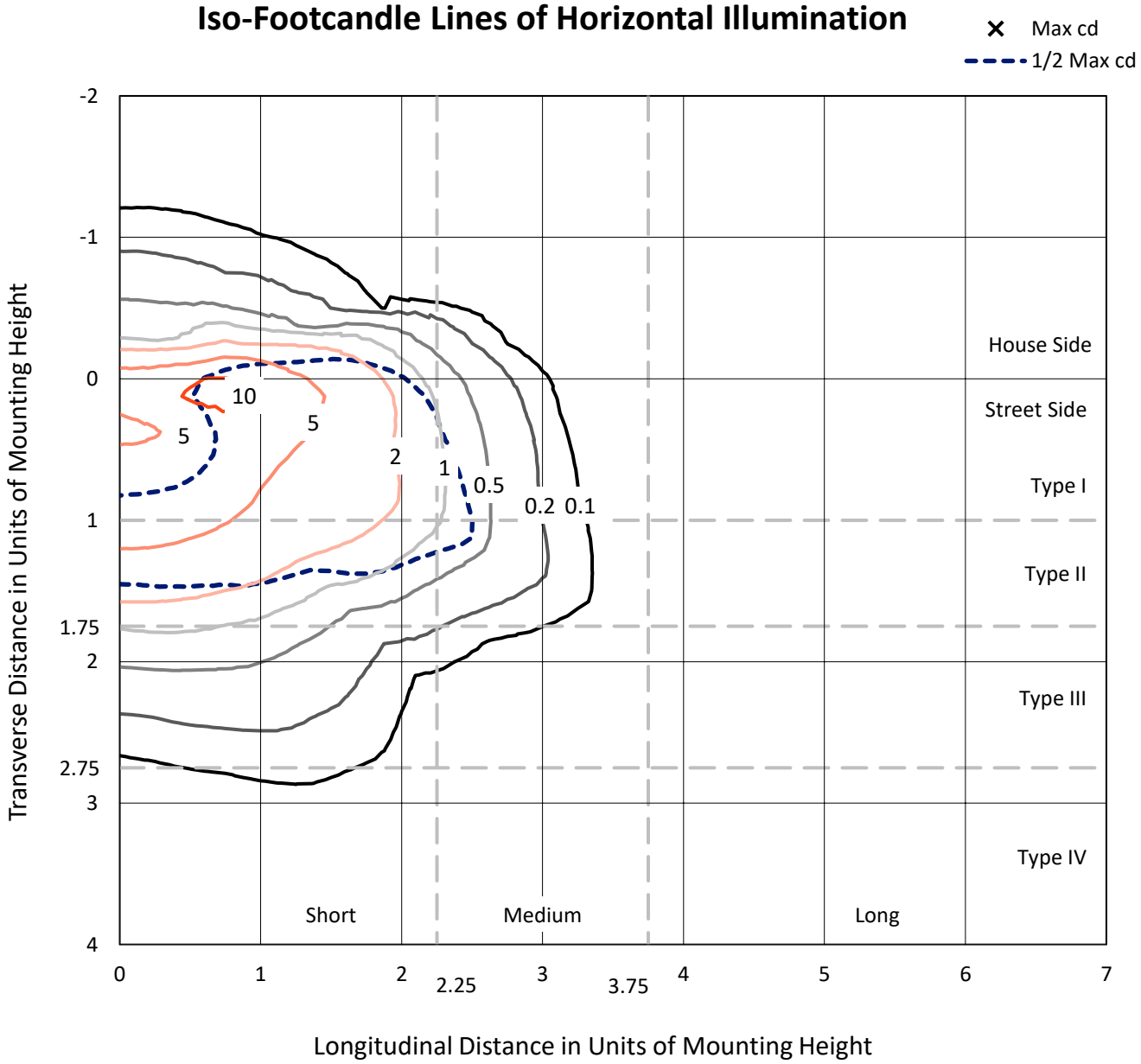
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



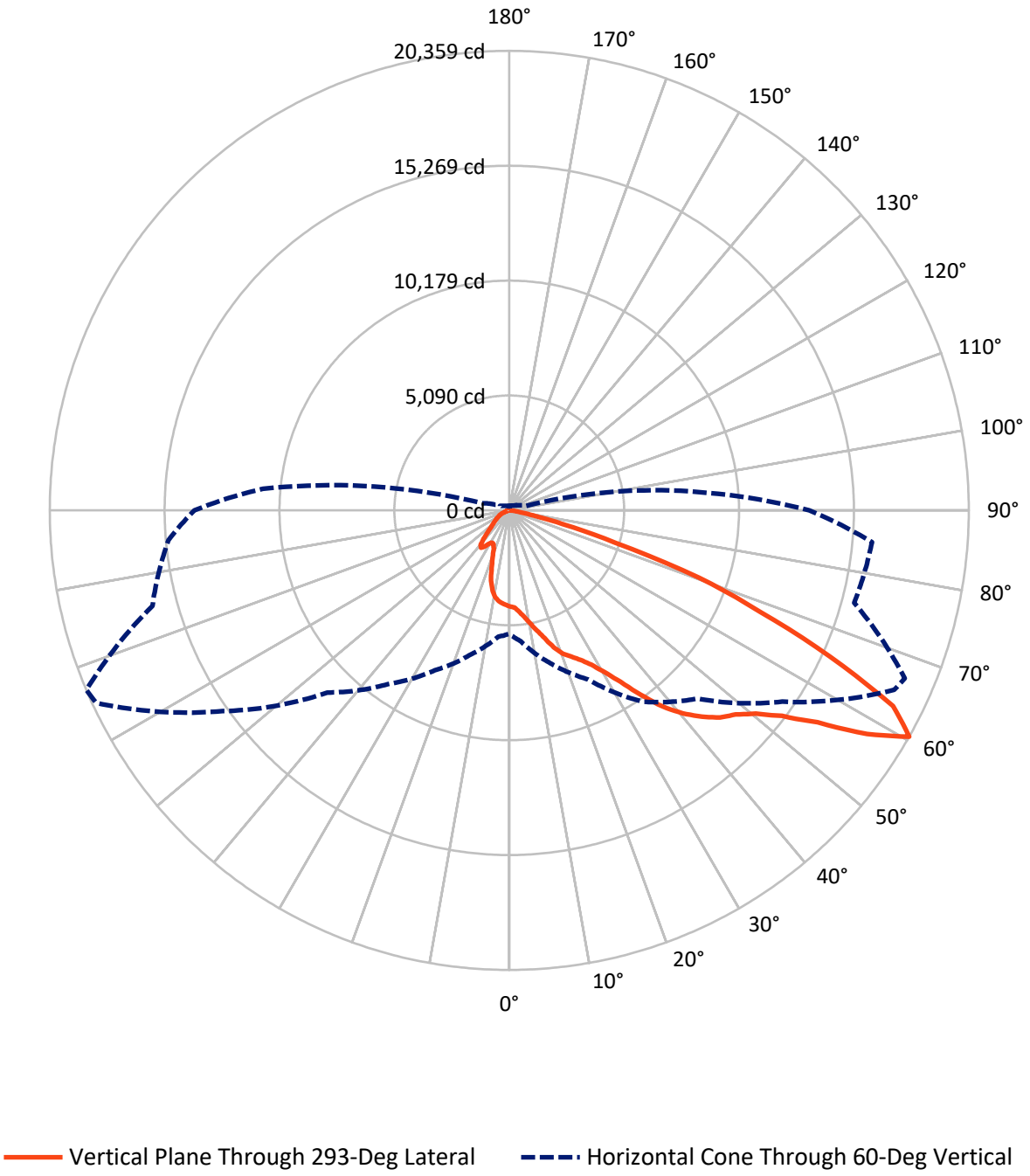
Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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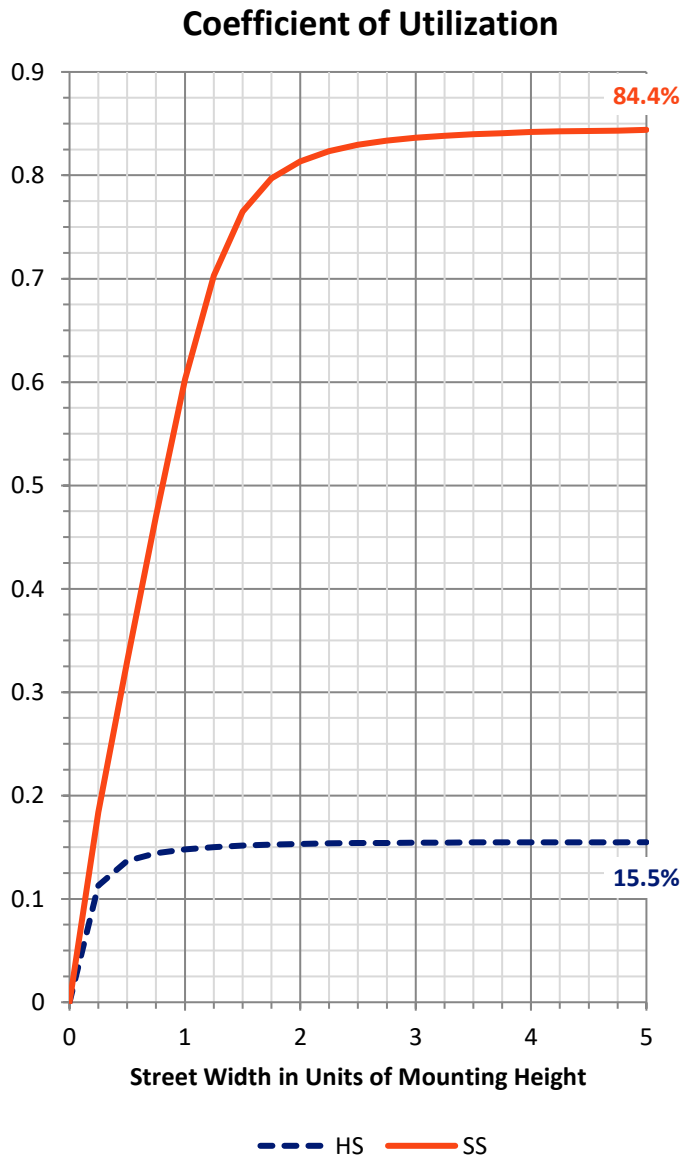
REPORT NUMBER: P1501723
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3873.8	0.0	3873.8
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	20954.4	0.0	20954.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	24828.2	0.0	24828.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.2	1.6
10°-20°	970.4	3.9
20°-30°	1811.6	7.3
30°-40°	3592.5	14.5
40°-50°	5727.9	23.1
50°-60°	6843.3	27.6
60°-70°	4486.2	18.1
70°-80°	939.9	3.8
80°-90°	71.1	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°	24828.2	100.0
0°-180°	24828.2	100.0



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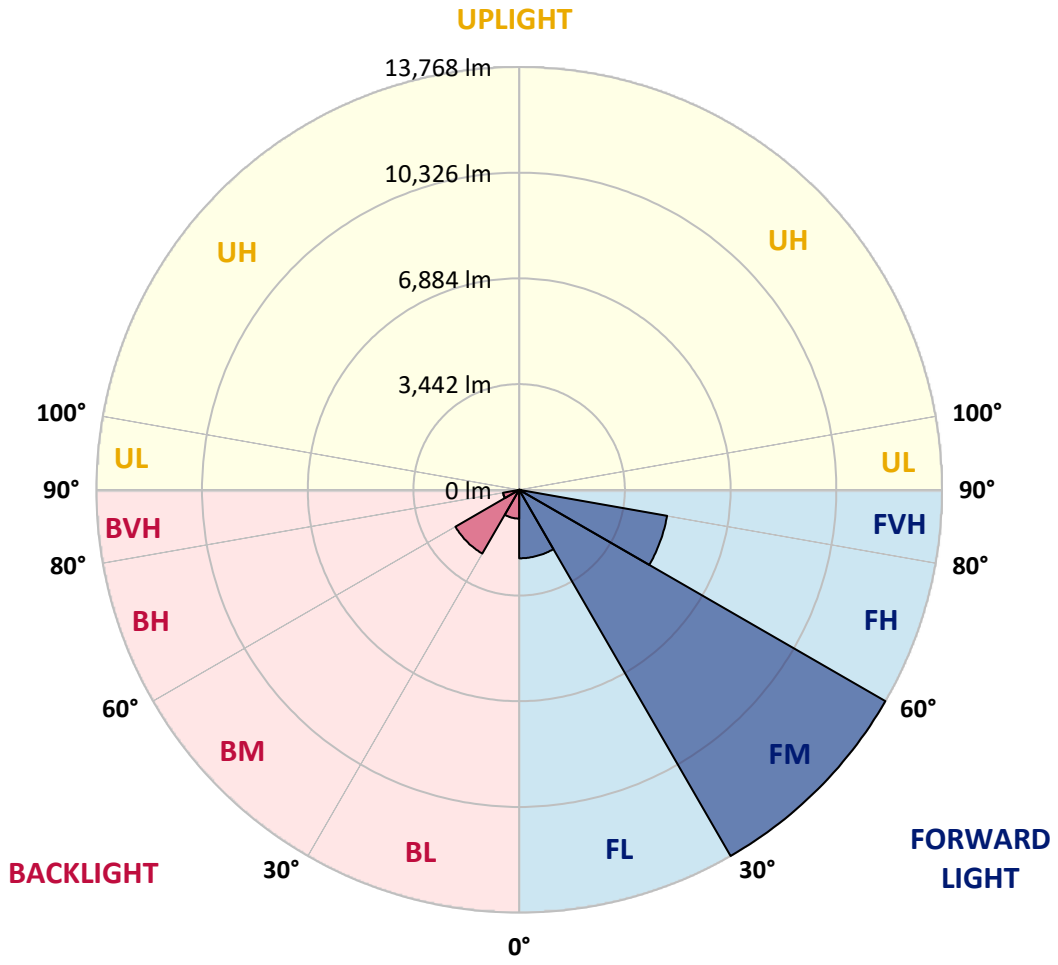
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2230.1	9.0			
FM	(30°-60°)	13768.2	55.5			
FH	(60°-80°)	4891.0	19.7			G2/5000
FVH	(80°-90°)	65.1	0.3			G1/100
BL	(0°-30°)	937.2	3.8	B2/1000		
BM	(30°-60°)	2395.6	9.6	B2/2500		
BH	(60°-80°)	535.1	2.2	B2/1000		G2/1000
BVH	(80°-90°)	6.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3
2.5°	4470.9	4456.9	4436.1	4443.0	4436.1	4408.3	4366.6	4331.8	4359.6	4317.9	4290.1
5°	4603.0	4603.0	4589.1	4589.1	4596.0	4582.1	4554.3	4505.6	4512.6	4477.8	4387.4
7.5°	4603.0	4582.1	4616.9	4651.6	4714.2	4749.0	4762.9	4735.1	4749.0	4679.4	4561.2
10°	4331.8	4317.9	4408.3	4540.4	4721.2	4881.1	4985.4	4992.3	5013.2	4943.7	4804.6
12.5°	3754.7	3726.9	3907.7	4158.0	4526.5	4895.0	5187.0	5298.3	5346.9	5319.1	5124.4
15°	3219.3	3254.1	3379.2	3650.4	4144.1	4707.3	5298.3	5666.8	5736.3	5771.1	5541.6
17.5°	3163.7	3170.6	3212.3	3344.4	3719.9	4401.3	5312.2	6049.2	6146.6	6299.5	5986.6
20°	3316.6	3302.7	3344.4	3386.2	3566.9	4130.2	5180.1	6417.7	6605.5	6932.3	6591.6
22.5°	3601.7	3601.7	3622.6	3650.4	3740.8	4109.3	5124.4	6758.4	7078.3	7745.8	7349.4
25°	4081.5	4025.9	4039.8	4005.0	4081.5	4359.6	5249.6	7029.6	7467.6	8649.7	8253.3
27.5°	4825.5	4846.3	4721.2	4533.4	4575.1	4811.6	5555.5	7335.5	7870.9	9588.3	9171.2
30°	5854.5	5819.8	5743.3	5374.8	5207.9	5416.5	6118.7	7836.2	8413.3	10777.3	10394.9
32.5°	6661.1	6758.4	6626.3	6369.1	6111.8	6174.4	6911.4	8642.7	9073.8	11869.0	11660.4
35°	7634.5	7634.5	7662.3	7300.8	7126.9	7113.0	7905.7	9518.8	9949.9	12856.3	13002.3
37.5°	8948.7	8858.3	8705.3	8302.0	8169.9	8343.7	8837.4	10422.7	10888.6	13655.9	14045.3
40°	10054.2	10116.8	10095.9	9511.9	9254.6	9442.3	9880.4	11194.5	11556.1	14170.4	14886.6
42.5°	11138.9	11173.7	11083.3	10805.1	10429.7	10443.6	10805.1	11778.6	12147.1	14664.1	15679.3
45°	11952.4	11945.5	11882.9	11813.3	11590.8	11361.4	11424.0	12425.2	12745.1	14824.0	16110.4
47.5°	12209.7	12265.3	12320.9	12515.6	12668.6	12307.0	11987.2	12772.9	13064.9	14796.2	16270.3
50°	11973.3	12091.5	12362.6	12654.7	13176.2	13148.3	12460.0	13148.3	13433.4	14949.2	16458.0
52.5°	11444.8	11563.0	11924.6	12453.0	13238.7	13628.1	13336.1	13781.1	14114.8	15338.6	16847.4
55°	10214.1	10262.8	11006.8	11702.1	12925.8	13419.5	14274.7	14851.9	15130.0	15811.4	17361.9
57.5°	8315.9	8434.1	9164.2	10297.6	12049.7	12870.2	14810.1	16680.5	16673.6	16263.3	17473.2
60°	*5472.1*	*5819.8*	*7008.7*	*8260.3*	*10353.2*	*11792.5*	*14775.4*	*18822.1*	*19037.6*	*15818.3*	*16131.2*
62.5°	4178.8	4324.8	4999.3	6042.3	7662.3	9776.1	14545.9	19461.8	19628.6	14622.4	14121.8
65°	3142.8	3323.6	3970.2	4901.9	5409.5	6626.3	13044.0	16916.9	17146.4	13051.0	10979.0
67.5°	1926.0	2072.0	2934.2	4025.9	4095.4	4116.2	8802.6	12814.6	12898.0	10527.0	7391.2
70°	1286.3	1432.3	2030.3	3094.1	3261.0	2371.0	4832.4	9699.6	9692.6	7203.4	4491.7
72.5°	744.0	813.5	1286.3	2280.6	2565.7	1508.8	2412.7	6167.4	5896.2	3386.2	2099.8
75°	424.1	472.8	709.2	1467.1	1800.9	959.5	952.6	3302.7	2920.3	1745.2	1147.3
77.5°	257.3	278.1	389.4	959.5	1084.7	646.6	528.4	1536.6	1481.0	1022.1	604.9
80°	125.2	146.0	236.4	563.2	695.3	347.7	319.8	604.9	646.6	563.2	319.8
82.5°	41.7	55.6	132.1	215.5	452.0	139.1	132.1	333.7	354.6	333.7	153.0
85°	20.9	27.8	62.6	69.5	173.8	69.5	48.7	146.0	180.8	111.2	62.6
87.5°	0.0	7.0	7.0	7.0	7.0	7.0	7.0	13.9	13.9	13.9	13.9
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°	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3
2.5°	4269.2	4255.3	4227.5	4178.8	4171.9	4137.1	4081.5	4046.7	4018.9	4039.8	4046.7
5°	4345.7	4310.9	4227.5	4095.4	3956.3	3817.3	3685.2	3532.2	3427.9	3414.0	3386.2
7.5°	4484.8	4415.2	4234.4	3977.2	3622.6	3288.8	2899.4	2524.0	2336.2	2308.4	2245.9
10°	4707.3	4589.1	4290.1	3768.6	3087.2	2391.9	1800.9	1397.6	1168.1	1126.4	1140.3
12.5°	4971.5	4804.6	4297.0	3414.0	2350.2	1481.0	1022.1	869.1	820.5	799.6	799.6
15°	5312.2	5068.8	4290.1	2955.1	1585.3	952.6	820.5	757.9	737.0	723.1	723.1
17.5°	5743.3	5423.4	4241.4	2266.7	1070.8	827.4	750.9	702.3	674.5	667.5	667.5
20°	6250.8	5819.8	4130.2	1689.6	897.0	771.8	709.2	646.6	625.8	611.9	611.9
22.5°	6897.5	6299.5	3914.6	1314.1	848.3	737.0	667.5	598.0	577.1	563.2	563.2
25°	7648.4	6911.4	3629.5	1182.0	841.3	709.2	625.8	556.2	535.4	528.4	521.5
27.5°	8538.4	7565.0	3365.3	1189.0	855.2	688.4	584.1	521.5	500.6	479.8	486.7
30°	9588.3	8239.4	3149.8	1272.4	869.1	667.5	556.2	500.6	479.8	452.0	452.0
32.5°	10624.4	9032.1	3128.9	1425.4	917.8	653.6	528.4	472.8	452.0	431.1	431.1
35°	11688.2	9755.2	3247.1	1627.0	1015.2	632.7	493.7	445.0	424.1	410.2	403.3
37.5°	12703.3	10332.3	3358.4	1752.2	959.5	542.3	452.0	410.2	389.4	361.6	361.6
40°	13377.8	10645.2	3379.2	1654.8	792.7	486.7	410.2	368.5	340.7	326.8	319.8
42.5°	13871.5	10846.9	3142.8	1342.0	688.4	445.0	375.5	333.7	312.9	299.0	299.0
45°	14073.1	10777.3	2739.5	1022.1	632.7	410.2	340.7	305.9	292.0	278.1	278.1
47.5°	14045.3	10457.5	2329.3	820.5	577.1	375.5	319.8	292.0	278.1	264.2	257.3
50°	13996.6	10158.5	1912.1	730.1	514.5	354.6	299.0	278.1	257.3	243.4	236.4
52.5°	14316.5	10061.2	1585.3	667.5	479.8	340.7	292.0	264.2	243.4	229.5	229.5
55°	14636.3	10102.9	1244.6	625.8	445.0	333.7	285.1	257.3	236.4	215.5	215.5
57.5°	14615.4	9922.1	945.6	584.1	417.2	326.8	278.1	250.3	215.5	201.6	201.6
60°	*13287.4*	*8851.3*	*737.0*	*535.4*	*382.4*	*305.9*	*257.3*	*236.4*	*201.6*	*180.8*	*180.8*
62.5°	11236.2	6960.1	604.9	472.8	340.7	278.1	236.4	215.5	180.8	146.0	146.0
65°	8302.0	5020.1	486.7	410.2	312.9	243.4	215.5	187.7	146.0	118.2	111.2
67.5°	5618.1	3087.2	389.4	340.7	278.1	208.6	180.8	159.9	132.1	97.3	90.4
70°	3330.5	1640.9	285.1	236.4	208.6	153.0	153.0	139.1	111.2	83.4	76.5
72.5°	1585.3	570.2	208.6	173.8	159.9	111.2	118.2	118.2	90.4	62.6	55.6
75°	806.6	278.1	139.1	125.2	104.3	83.4	97.3	90.4	62.6	41.7	41.7
77.5°	458.9	194.7	97.3	83.4	69.5	55.6	62.6	55.6	34.8	20.9	20.9
80°	257.3	139.1	62.6	55.6	41.7	34.8	34.8	27.8	20.9	7.0	7.0
82.5°	97.3	83.4	41.7	27.8	20.9	20.9	13.9	13.9	7.0	0.0	0.0
85°	41.7	20.9	20.9	13.9	13.9	7.0	7.0	7.0	0.0	0.0	0.0
87.5°	7.0	7.0	7.0	7.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3
2.5°	3991.1	4005.0	4018.9	4074.5	4088.4	4130.2	4164.9	4206.6	4213.6	4269.2	4269.2
5°	3441.8	3434.8	3553.0	3726.9	3838.1	3991.1	4109.3	4234.4	4304.0	4394.4	4436.1
7.5°	2280.6	2454.4	2718.7	3024.6	3420.9	3789.4	4067.6	4310.9	4477.8	4582.1	4623.8
10°	1133.4	1230.7	1508.8	2009.5	2683.9	3434.8	4025.9	4477.8	4749.0	4867.2	4943.7
12.5°	799.6	820.5	869.1	1140.3	1787.0	2850.8	3893.7	4658.6	5034.1	5256.6	5353.9
15°	716.2	730.1	750.9	827.4	1105.5	2127.7	3657.3	4860.2	5479.1	5736.3	5861.5
17.5°	660.5	667.5	688.4	750.9	869.1	1446.2	3274.9	5075.8	6014.4	6327.3	6563.7
20°	611.9	611.9	632.7	709.2	806.6	1112.5	2725.6	5319.1	6695.8	7147.8	7384.2
22.5°	556.2	570.2	584.1	667.5	785.7	1015.2	2211.1	5506.9	7453.7	8003.0	8281.2
25°	514.5	528.4	542.3	625.8	764.8	1015.2	1912.1	5625.1	8302.0	8955.6	9338.0
27.5°	479.8	493.7	514.5	598.0	744.0	1056.9	1793.9	5659.8	9226.8	10075.1	10589.6
30°	452.0	465.9	486.7	577.1	757.9	1105.5	1835.6	5611.2	10165.5	11229.3	11841.2
32.5°	424.1	438.0	458.9	556.2	757.9	1168.1	1974.7	5513.8	11076.3	12383.5	13134.4
35°	403.3	410.2	417.2	500.6	688.4	1161.2	2148.5	5416.5	11994.1	13523.8	14399.9
37.5°	361.6	368.5	382.4	431.1	549.3	1056.9	2183.3	5298.3	12717.2	14483.3	15449.8
40°	319.8	333.7	347.7	396.3	458.9	855.2	2030.3	5048.0	13099.7	15220.4	16395.4
42.5°	292.0	299.0	312.9	361.6	424.1	681.4	1703.5	4609.9	13440.4	15721.0	17083.8
45°	271.2	278.1	292.0	326.8	396.3	591.0	1342.0	4074.5	13468.2	15880.9	17417.6
47.5°	250.3	257.3	264.2	299.0	382.4	528.4	1029.1	3587.8	13461.2	16089.5	17702.6
50°	236.4	243.4	257.3	285.1	361.6	472.8	848.3	3191.5	13753.3	16541.5	18279.7
52.5°	229.5	229.5	250.3	278.1	340.7	431.1	709.2	2836.9	13906.2	16986.5	18696.9
55°	215.5	222.5	236.4	264.2	319.8	410.2	604.9	2391.9	13975.8	17209.0	18773.4
57.5°	201.6	208.6	229.5	250.3	305.9	389.4	521.5	1787.0	12981.5	16047.8	17494.0
60°	*180.8*	*194.7*	*222.5*	*243.4*	*285.1*	*354.6*	*458.9*	*1209.8*	*10951.2*	*13947.9*	*15157.8*
62.5°	146.0	173.8	201.6	215.5	257.3	299.0	389.4	806.6	8747.0	11542.2	12918.9
65°	111.2	146.0	166.9	187.7	215.5	250.3	326.8	549.3	5833.7	7766.6	9317.2
67.5°	97.3	125.2	139.1	153.0	180.8	215.5	264.2	382.4	3539.1	4665.5	6195.2
70°	76.5	104.3	118.2	111.2	139.1	166.9	187.7	257.3	1807.8	2530.9	3525.2
72.5°	55.6	83.4	90.4	90.4	83.4	118.2	139.1	180.8	785.7	1230.7	1599.2
75°	41.7	55.6	62.6	55.6	48.7	76.5	97.3	118.2	514.5	737.0	931.7
77.5°	20.9	20.9	34.8	34.8	20.9	41.7	48.7	69.5	292.0	431.1	535.4
80°	7.0	0.0	0.0	7.0	0.0	13.9	20.9	34.8	153.0	229.5	333.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	76.5	69.5	173.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	41.7
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: P1501723
CATALOG NUMBER: GSS-SB4C-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4255.3	*4255.3*	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3	4255.3
2.5°	4304.0	*4304.0*	4331.8	4373.5	4394.4	4408.3	4415.2	4429.1	4484.8	4470.9
5°	4484.8	*4498.7*	4519.5	4561.2	4609.9	4596.0	4596.0	4596.0	4630.8	4603.0
7.5°	4721.2	*4762.9*	4769.8	4818.5	4783.7	4714.2	4672.5	4609.9	4603.0	4603.0
10°	5103.6	*5089.7*	5089.7	5027.1	4901.9	4700.3	4519.5	4394.4	4324.8	4331.8
12.5°	5513.8	*5458.2*	5465.1	5235.7	4881.1	4436.1	4067.6	3796.4	3775.5	3754.7
15°	6021.4	*5875.4*	5847.6	5319.1	4568.2	3886.8	3525.2	3309.7	3240.2	3219.3
17.5°	6744.5	*6376.0*	6243.9	5173.1	4158.0	3546.1	3274.9	3177.6	3170.6	3163.7
20°	7509.4	*6779.3*	6529.0	4957.6	4018.9	3553.0	3351.4	3323.6	3309.7	3316.6
22.5°	8399.4	*7036.6*	6716.7	4992.3	4144.1	3782.5	3622.6	3601.7	3587.8	3601.7
25°	9317.2	*7335.5*	6939.2	5270.5	4519.5	4206.6	4018.9	3977.2	4018.9	4081.5
27.5°	10241.9	*7738.8*	7377.3	5819.8	5124.4	4783.7	4603.0	4755.9	4818.5	4825.5
30°	11062.4	*8302.0*	7968.3	6591.6	5812.8	5472.1	5506.9	5701.6	5778.0	5854.5
32.5°	11813.3	*9053.0*	8795.7	7467.6	6702.8	6501.2	6480.3	6626.3	6709.8	6661.1
35°	12571.2	*10033.3*	9783.0	8420.2	7794.4	7627.6	7453.7	7738.8	7711.0	7634.5
37.5°	13287.4	*11020.7*	10791.2	9442.3	8795.7	8503.7	8475.8	8733.1	8962.6	8948.7
40°	13801.9	*11820.3*	11542.2	10457.5	9845.6	9595.3	9741.3	10186.3	10130.7	10054.2
42.5°	14274.7	*12501.7*	12251.4	11347.5	10707.8	10819.0	10951.2	11250.1	11215.4	11138.9
45°	14497.2	*13085.8*	12870.2	12021.9	11709.0	12063.7	12056.7	12168.0	11980.2	11952.4
47.5°	14810.1	*13502.9*	13280.4	12626.9	12905.0	13051.0	12640.8	12522.6	12348.7	12209.7
50°	15387.2	*14149.6*	13927.1	13544.7	13781.1	13329.1	12828.5	12571.2	12216.6	11973.3
52.5°	16061.7	*15130.0*	14935.3	14782.3	14121.8	13190.1	12550.4	12084.5	11653.4	11444.8
55°	16910.0	*16576.2*	16437.2	15595.8	13815.8	12619.9	11869.0	10999.8	10408.8	10214.1
57.5°	17188.1	*18696.9*	18648.3	15727.9	12960.6	11583.9	10228.0	9053.0	8441.1	8315.9
60°	*16367.6*	*20358.7*	*20184.9*	*15505.4*	*11410.1*	*9400.6*	*7815.3*	*6612.4*	*5618.1*	*5472.1*
62.5°	15317.7	*19086.3*	19023.7	14386.0	8691.4	6737.6	5840.6	4714.2	4290.1	4178.8
65°	13120.5	*15616.7*	15644.5	11542.2	5499.9	4839.4	4797.6	3747.7	3226.2	3142.8
67.5°	10102.9	*11980.2*	11785.5	7259.1	3205.4	3872.9	3831.2	2739.5	1981.6	1926.0
70°	5903.2	*8920.8*	8608.0	3775.5	2120.7	3233.2	2948.1	1926.0	1348.9	1286.3
72.5°	2607.4	*4908.9*	5270.5	1661.8	1494.9	2572.7	2127.7	1182.0	757.9	744.0
75°	1446.2	*2433.6*	2544.8	723.1	1049.9	1828.7	1286.3	660.5	431.1	424.1
77.5°	869.1	*1077.7*	1049.9	465.9	785.7	1168.1	778.7	375.5	271.2	257.3
80°	486.7	*493.7*	417.2	340.7	465.9	653.6	438.0	236.4	125.2	125.2
82.5°	299.0	*271.2*	215.5	104.3	125.2	396.3	159.9	132.1	41.7	41.7
85°	125.2	*83.4*	55.6	20.9	48.7	104.3	55.6	62.6	20.9	20.9
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

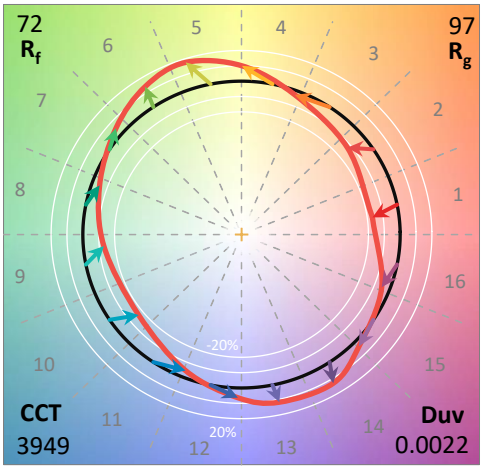
Test Information

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

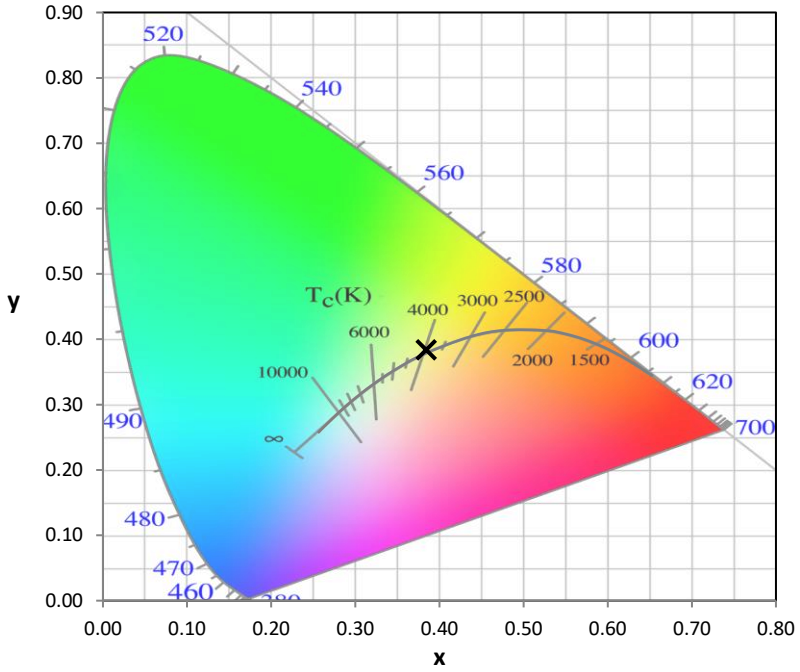
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

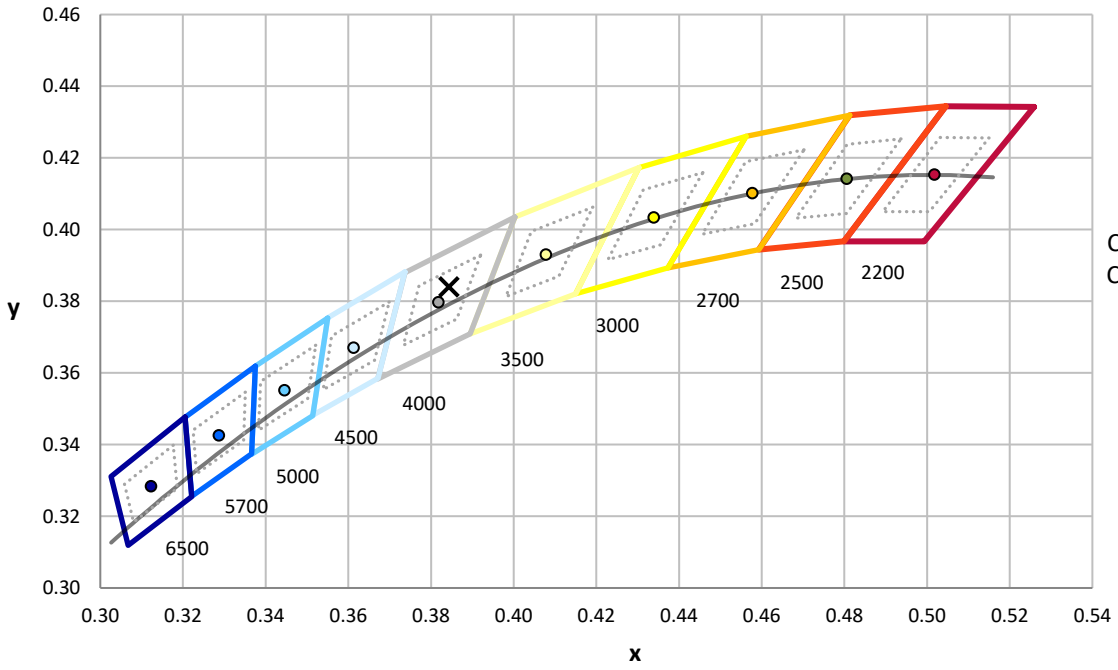
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

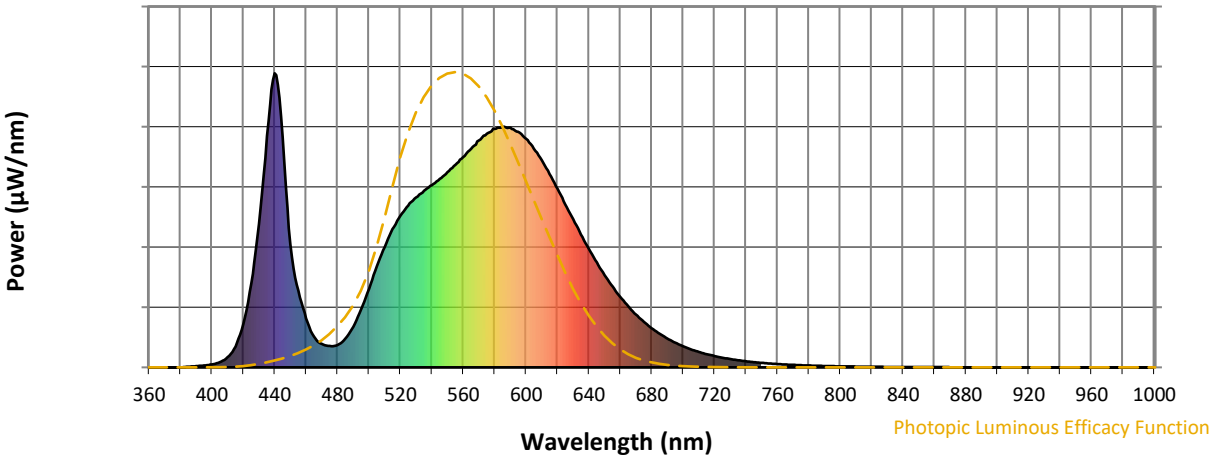


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

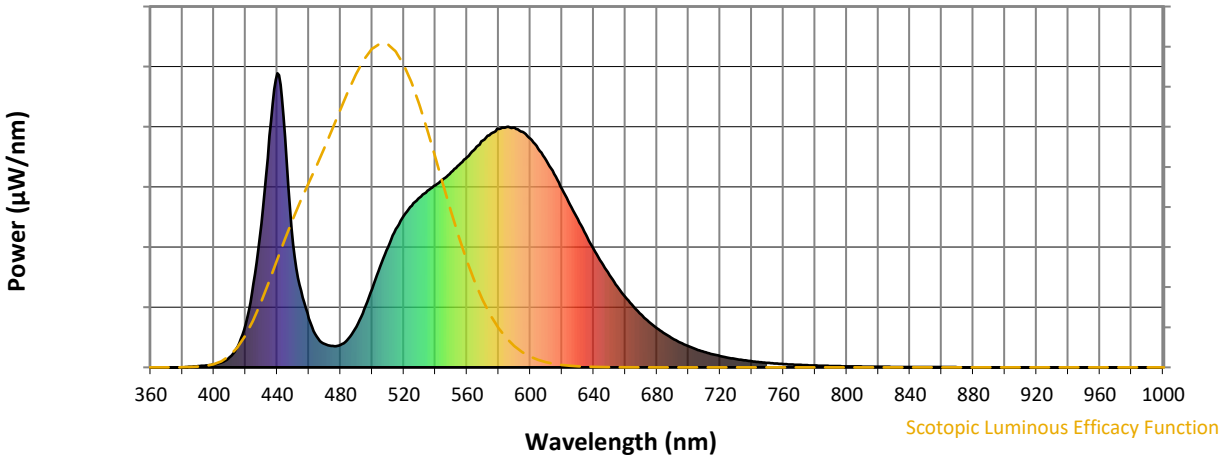


Photopic Lumens: NR

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

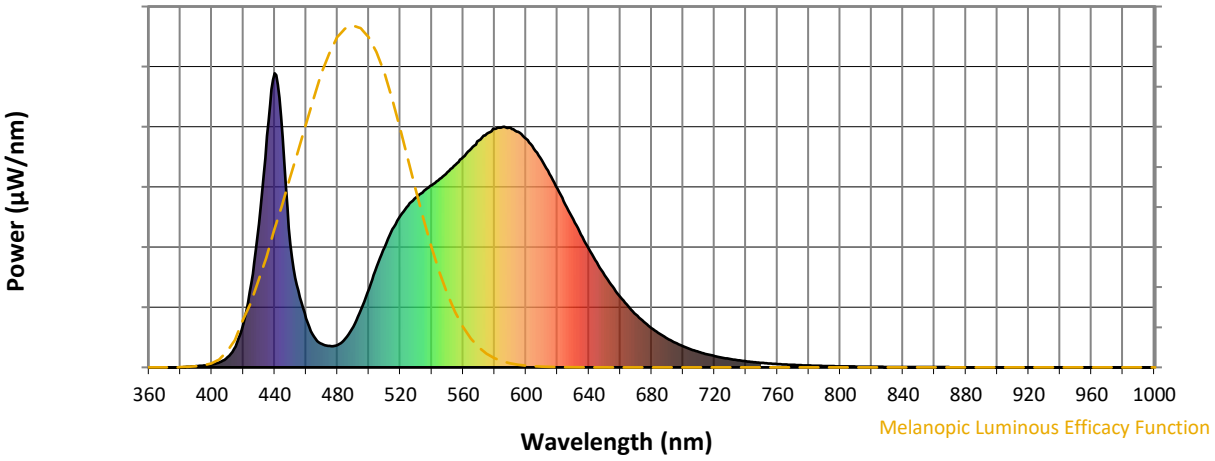


Scotopic Lumens: NR **S/P: 1.47**

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			

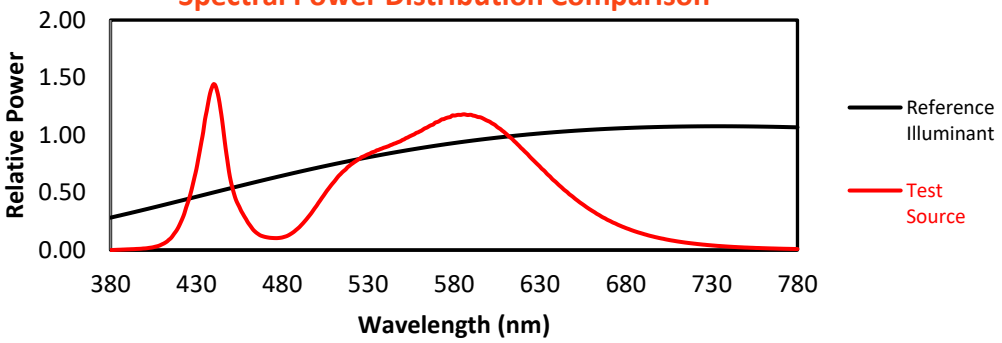
REPORT NUMBER: SP1-2407-184-1

TM-30-18

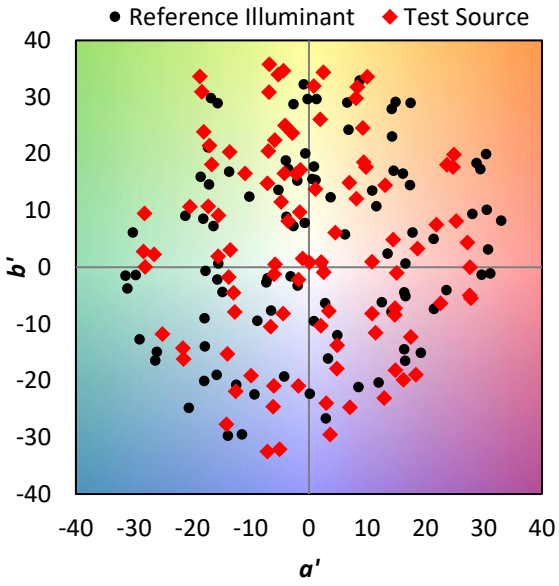
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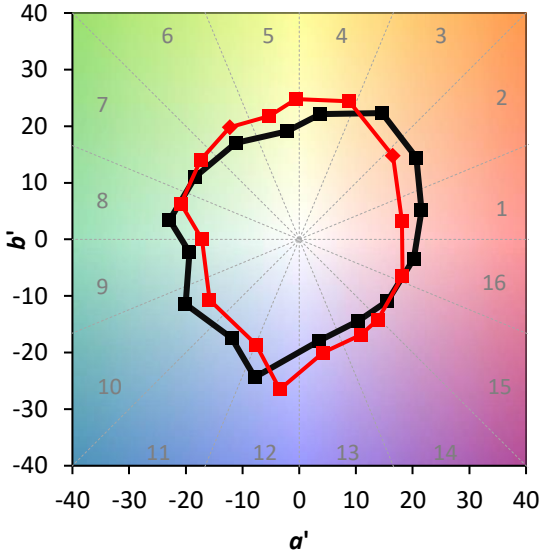
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

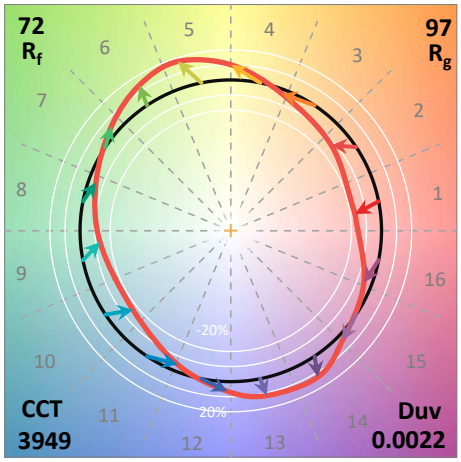
Spectral Power Distribution Comparison

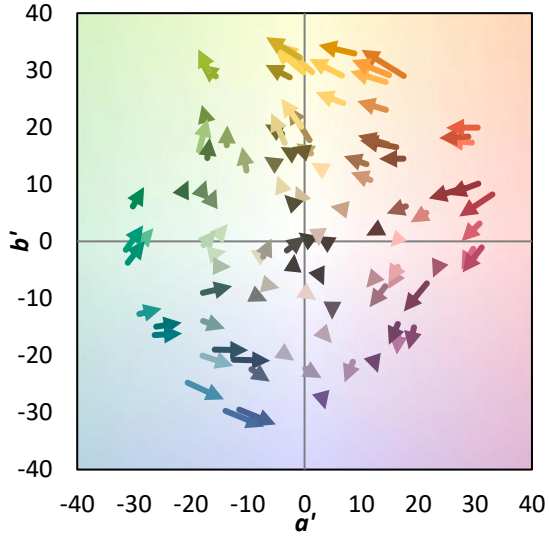


Color Vector Graphics







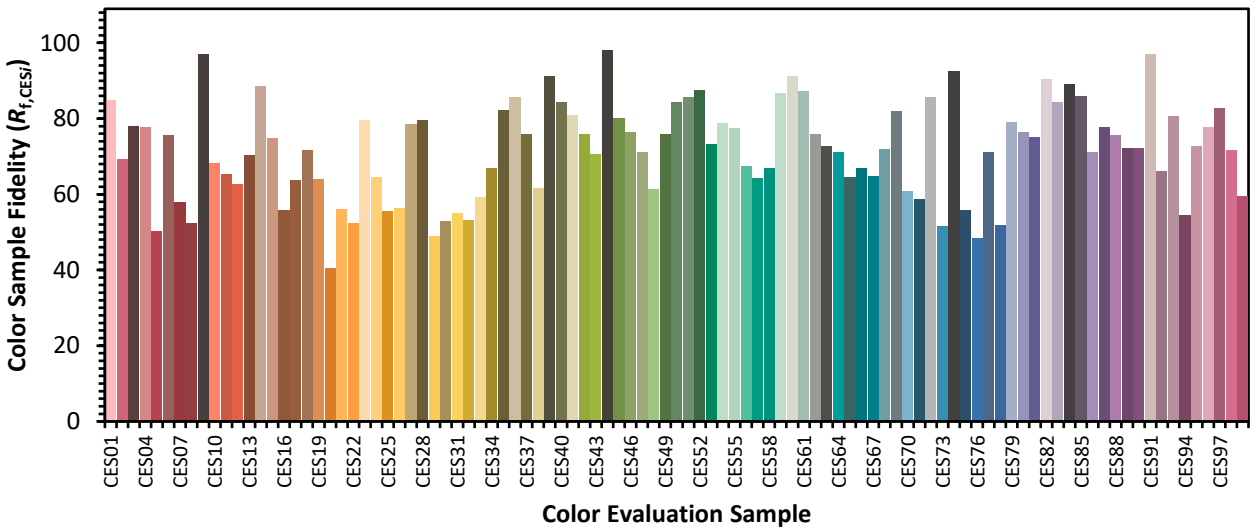


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Individual Sample Fidelity Index ($R_{f,i}$)

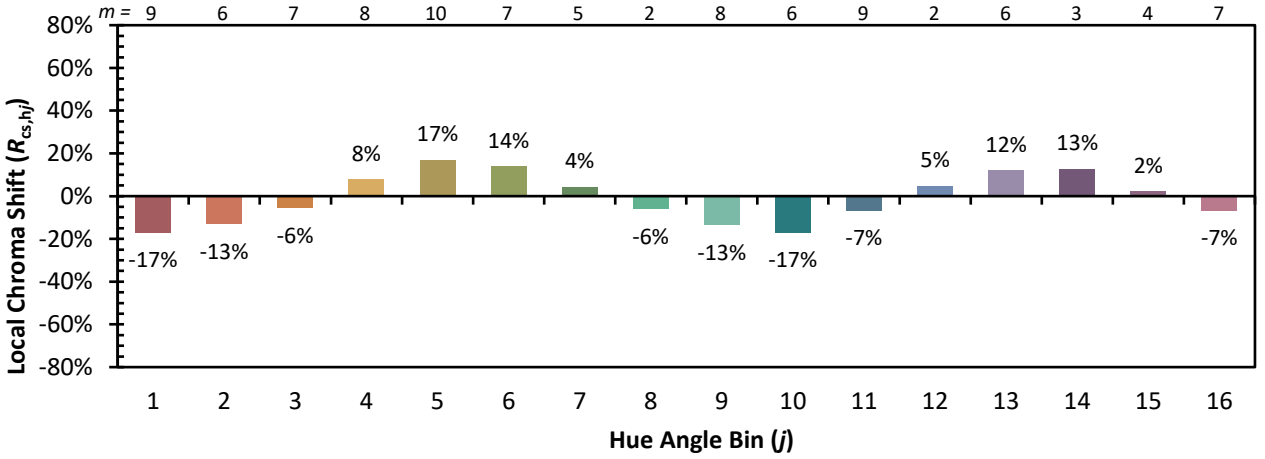
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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

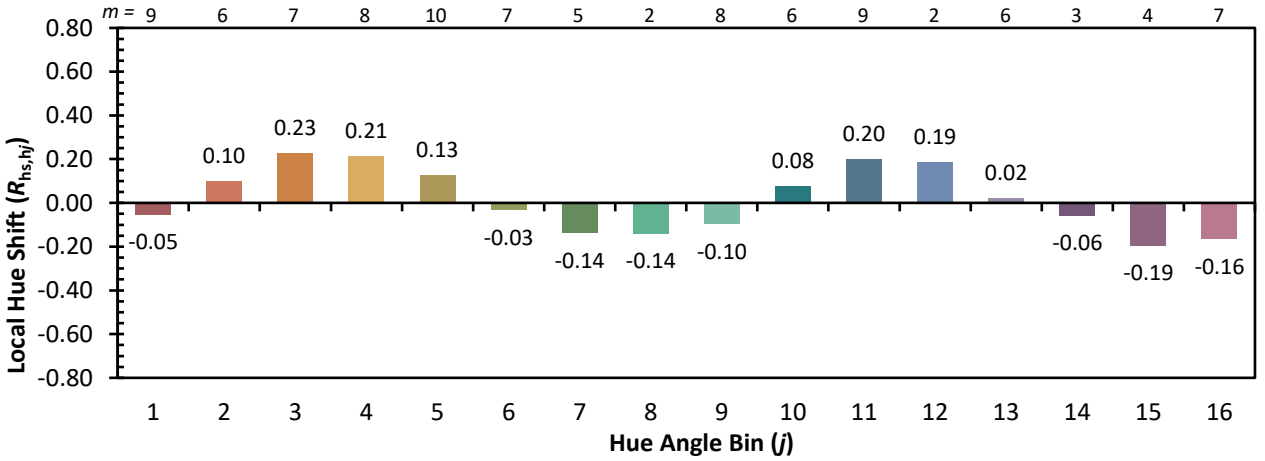


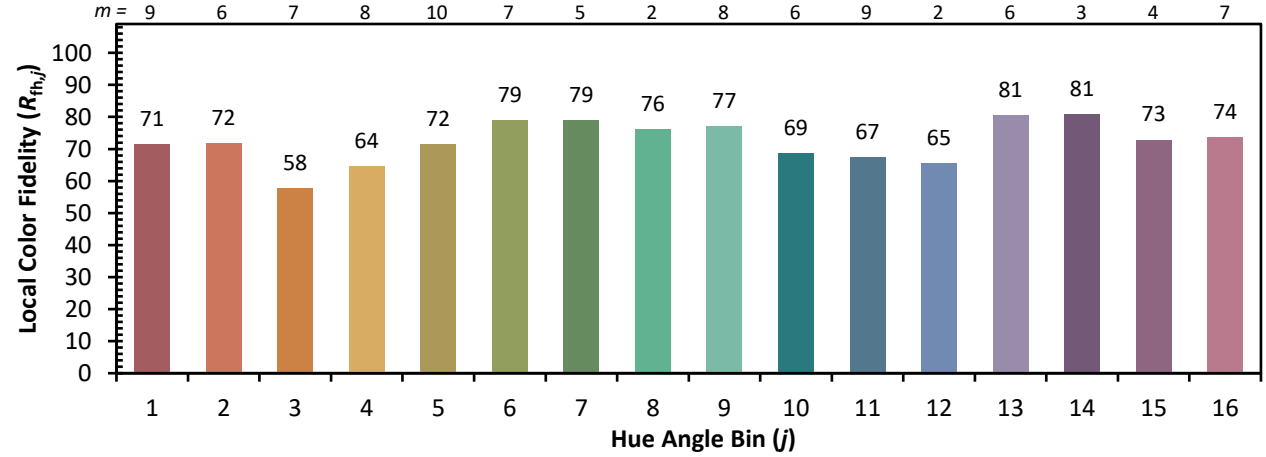
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Color Rendition by Hue-Angle Bin



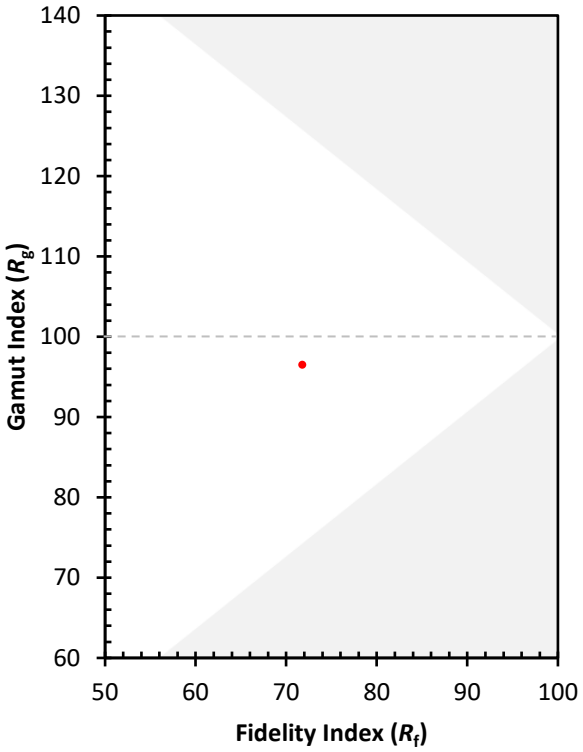


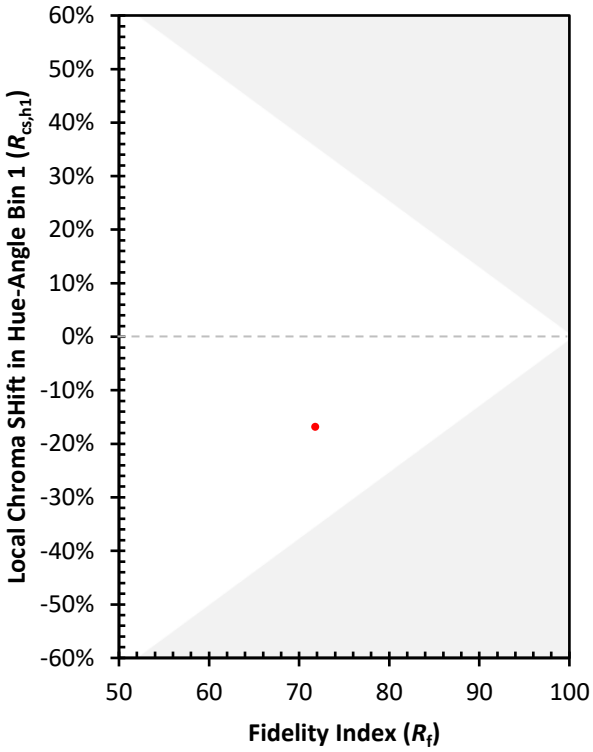


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Measure Comparisons





(END OF REPORT)