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: P1501345

Luminaire Tested: GSS-SB6A-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:	P1501345
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-740-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 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:	27540.7 lumens
Efficiency:	N/A
Efficacy:	162.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

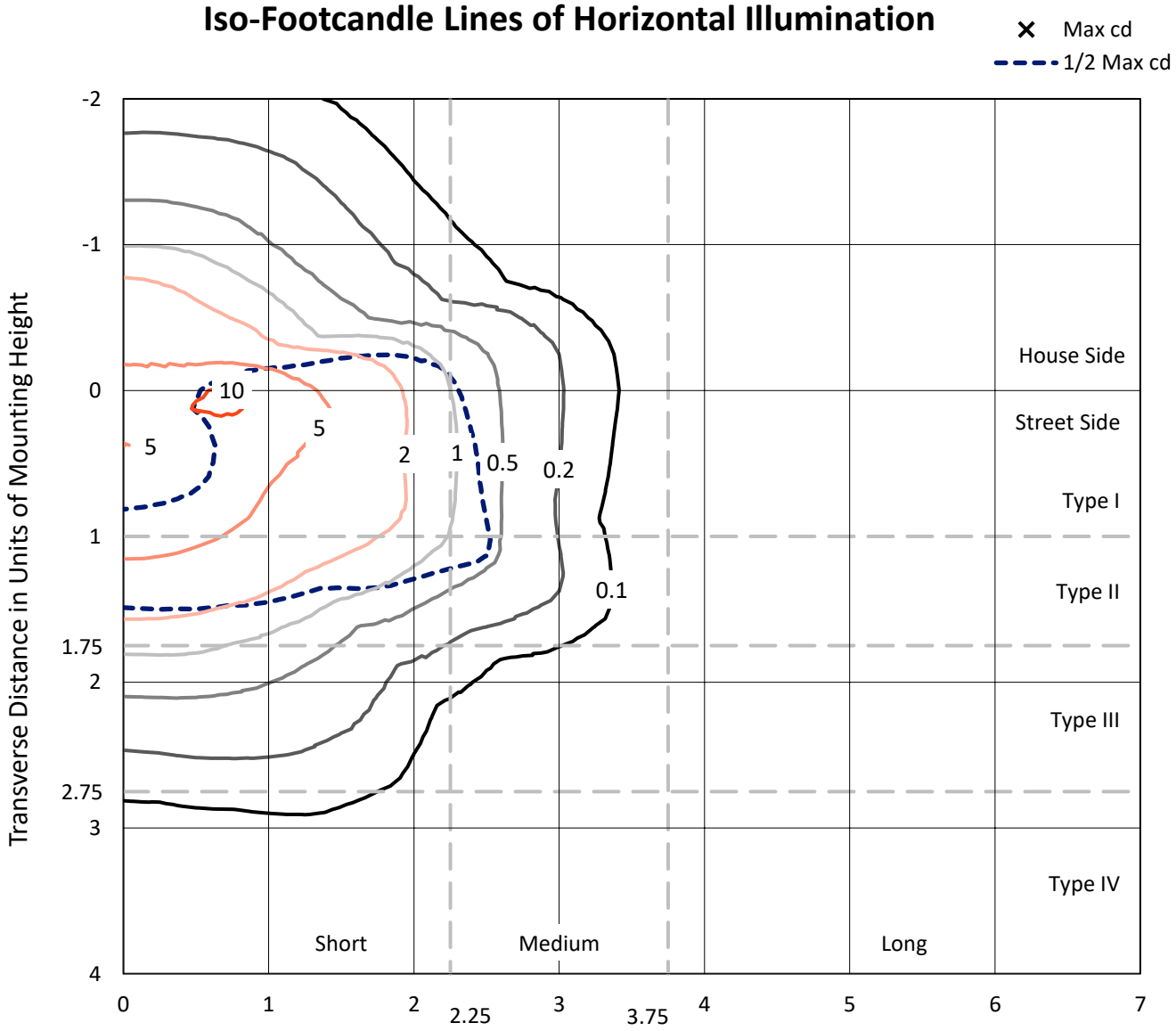
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



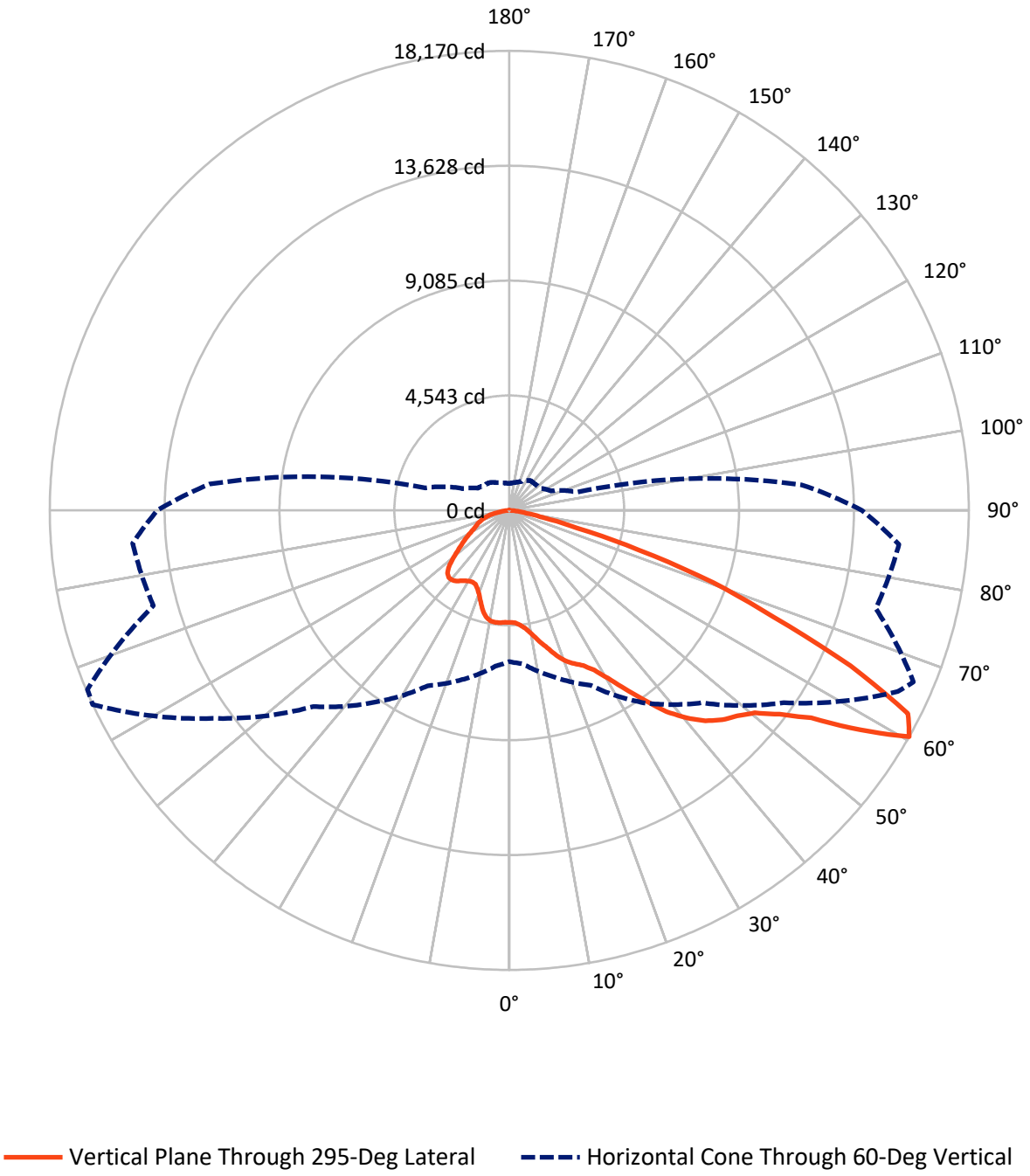
Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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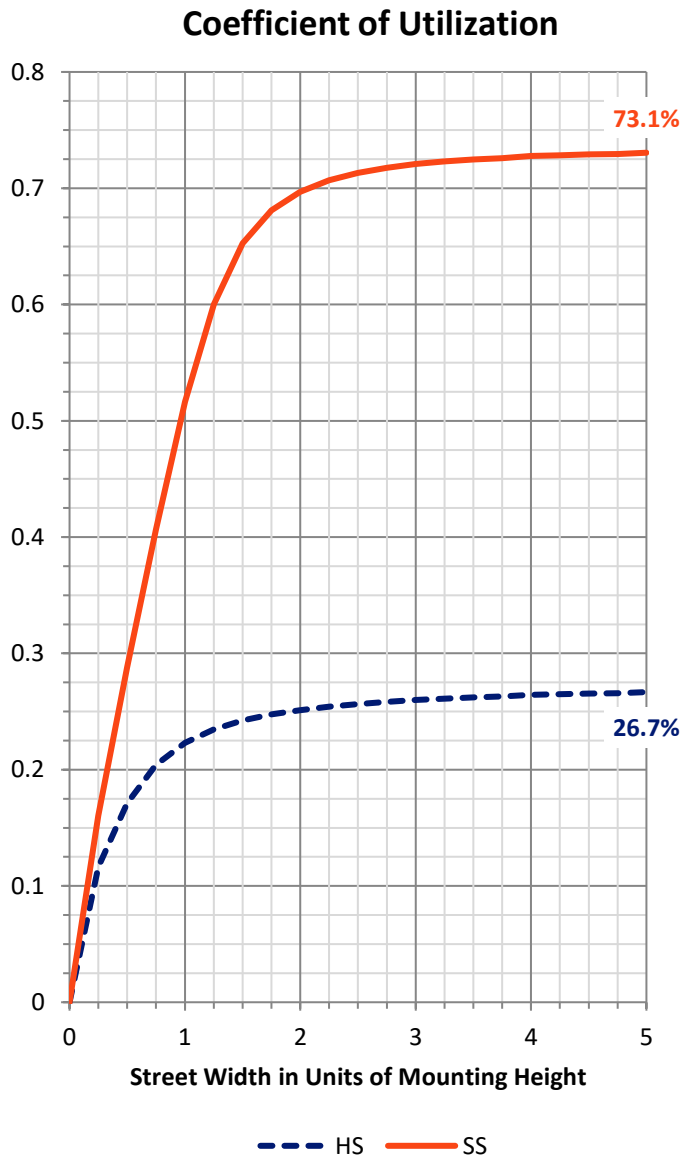
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7406.0	0.0	7406.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	20134.7	0.0	20134.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	27540.7	0.0	27540.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.6	1.5
10°-20°	1197.7	4.3
20°-30°	2268.6	8.2
30°-40°	3999.5	14.5
40°-50°	5914.8	21.5
50°-60°	6945.6	25.2
60°-70°	5032.4	18.3
70°-80°	1551.9	5.6
80°-90°	213.6	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°	27540.7	100.0
0°-180°	27540.7	100.0



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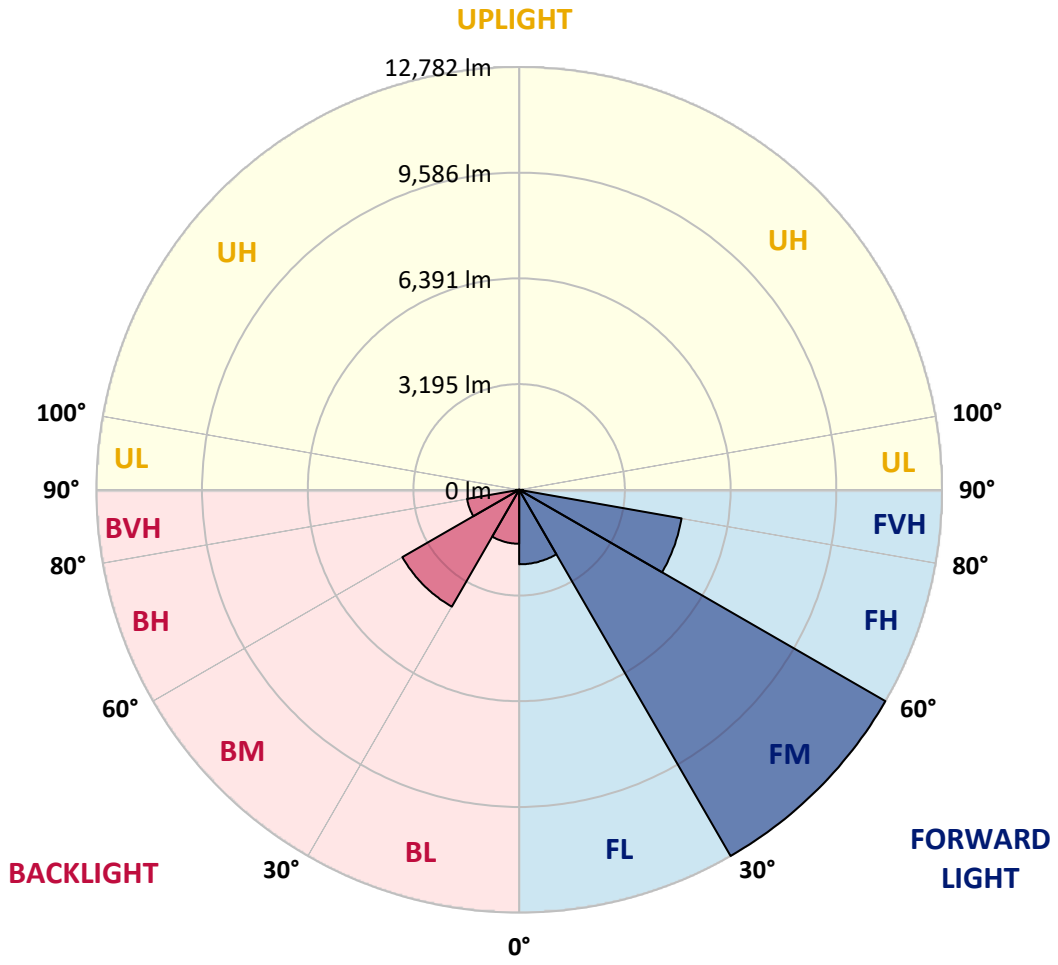
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2251.9	8.2			
FM	(30°-60°)	12781.8	46.4			
FH	(60°-80°)	4985.7	18.1			G2/5000
FVH	(80°-90°)	115.2	0.4			G2/225
BL	(0°-30°)	1631.1	5.9	B3/2500		
BM	(30°-60°)	4078.0	14.8	B3/5000		
BH	(60°-80°)	1598.6	5.8	B3/2500		G3/2500
BVH	(80°-90°)	98.4	0.4			G1/100
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°	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2
2.5°	4519.0	4531.6	4512.8	4525.3	4525.3	4506.5	4500.2	4475.1	4487.7	4481.4	4475.1
5°	4625.7	4632.0	4619.5	4638.3	4638.3	4644.6	4638.3	4606.9	4606.9	4606.9	4594.4
7.5°	4594.4	4594.4	4600.6	4663.4	4726.2	4807.8	4807.8	4795.2	4807.8	4801.5	4745.0
10°	4330.7	4355.8	4412.3	4569.2	4719.9	4895.6	5014.9	5052.5	5052.5	5058.8	4964.7
12.5°	3860.0	3878.8	4010.6	4249.2	4563.0	4883.1	5171.8	5360.1	5378.9	5410.3	5284.8
15°	3439.5	3452.0	3546.2	3791.0	4148.7	4713.6	5259.7	5648.8	5711.6	5843.4	5655.1
17.5°	3477.1	3470.9	3496.0	3590.1	3847.5	4437.4	5240.8	5987.7	6100.7	6332.9	6169.7
20°	3703.1	3703.1	3721.9	3740.8	3834.9	4236.6	5102.7	6263.9	6483.6	6935.5	6747.2
22.5°	4060.9	4060.9	4054.6	4086.0	4086.0	4324.5	5109.0	6471.0	6797.4	7607.0	7425.0
25°	4556.7	4531.6	4531.6	4544.1	4487.7	4657.1	5265.9	6684.4	7111.2	8404.2	8247.2
27.5°	5115.3	5134.1	5121.6	5077.6	5002.3	5134.1	5642.5	7017.1	7462.7	9245.2	9182.4
30°	5724.1	5730.4	5742.9	5717.8	5655.1	5749.2	6232.5	7519.2	7927.1	10123.9	10262.0
32.5°	6320.4	6408.2	6376.9	6314.1	6339.2	6508.7	6960.6	8197.0	8617.6	10939.8	11429.4
35°	7079.8	7111.2	7236.7	7004.5	7010.8	7299.5	7889.5	9088.3	9496.3	11787.2	12596.8
37.5°	8184.5	8241.0	8184.5	7820.4	7764.0	8165.6	8793.3	9967.0	10262.0	12427.4	13682.6
40°	9270.3	9339.3	9433.5	9006.7	8648.9	8981.6	9646.9	10638.6	10946.1	12778.8	14404.4
42.5°	10167.8	10280.8	10180.4	10054.9	9728.5	9791.2	10243.2	11159.5	11467.1	13224.5	15132.5
45°	10927.3	10946.1	10990.0	10902.2	10739.0	10682.5	10751.5	11617.7	11956.6	13425.3	15490.3
47.5°	11241.1	11322.7	11360.4	11511.0	11680.5	11567.5	11184.6	11831.1	12138.6	13412.8	15603.2
50°	11071.6	11153.2	11354.1	11711.8	12119.8	12320.7	11693.0	12126.1	12471.3	13638.7	15835.5
52.5°	10626.0	10713.9	11040.3	11448.2	12132.4	12590.5	12408.5	12741.2	13073.8	14040.4	16224.6
55°	9546.5	9678.3	10136.5	10814.3	11755.8	12446.2	13161.7	13645.0	14009.0	14523.7	16626.3
57.5°	7977.4	8115.4	8630.1	9646.9	11059.1	11849.9	13381.4	15339.6	15502.8	15101.1	16663.9
60°	*5975.2*	*6088.1*	*6816.2*	*7632.2*	*9289.1*	*10757.8*	*13255.8*	*16946.4*	*17360.6*	*15000.7*	*15465.1*
62.5°	4732.4	4870.5	5517.0	5893.6	7079.8	8887.4	12816.5	17392.0	17749.8	14172.2	13795.6
65°	3696.8	3791.0	4393.5	4933.3	5222.0	6069.3	10983.8	15214.1	15534.2	12822.8	11385.5
67.5°	2441.5	2585.9	3301.4	4042.0	4192.7	3860.0	7556.8	11705.6	11856.2	10192.9	8561.1
70°	1751.1	1820.2	2353.7	3144.5	3370.4	2585.9	4117.3	8862.3	8906.3	6841.3	5768.0
72.5°	1192.5	1205.1	1600.5	2410.2	2686.3	1876.7	2265.8	5837.1	5686.5	3376.7	3301.4
75°	809.7	822.2	1023.1	1606.8	1901.8	1305.5	1475.0	3182.2	3056.6	1864.1	2002.2
77.5°	546.1	558.6	703.0	1079.5	1267.8	903.8	1079.5	1682.1	1650.7	1236.5	1073.3
80°	414.2	433.1	520.9	690.4	885.0	527.2	615.1	797.1	809.7	659.0	546.1
82.5°	232.2	257.3	313.8	351.5	571.2	295.0	295.0	477.0	458.2	408.0	295.0
85°	100.4	106.7	125.5	131.8	232.2	125.5	106.7	207.1	213.4	200.8	94.1
87.5°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	25.1	25.1	25.1	25.1
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°	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2
2.5°	4443.7	4481.4	4443.7	4424.9	4424.9	4393.5	4381.0	4381.0	4337.0	4355.8	4343.3
5°	4544.1	4556.7	4512.8	4456.3	4381.0	4318.2	4230.3	4117.3	4048.3	4042.0	4048.3
7.5°	4701.1	4707.3	4588.1	4462.5	4274.3	4048.3	3778.4	3558.7	3364.2	3332.8	3370.4
10°	4920.7	4908.2	4732.4	4437.4	4042.0	3565.0	3150.8	2949.9	2837.0	2830.7	2824.4
12.5°	5215.7	5134.1	4864.2	4330.7	3640.3	3088.0	2874.6	2862.1	2893.4	2918.5	2924.8
15°	5554.6	5448.0	4970.9	4123.6	3232.4	2912.3	2924.8	3031.5	3069.2	3094.3	3094.3
17.5°	5975.2	5837.1	5090.2	3828.6	3025.2	2949.9	3037.8	3138.2	3201.0	3226.1	3219.8
20°	6533.8	6245.1	5184.3	3546.2	2968.8	3012.7	3088.0	3188.4	3251.2	3282.6	3282.6
22.5°	7092.4	6734.6	5203.2	3351.6	2968.8	3019.0	3088.0	3188.4	3257.5	3288.9	3282.6
25°	7851.8	7362.3	5209.4	3213.5	2975.0	2987.6	3050.3	3138.2	3238.6	3270.0	3282.6
27.5°	8661.5	8052.7	5240.8	3182.2	2949.9	2943.7	2987.6	3069.2	3169.6	3251.2	3257.5
30°	9665.7	8831.0	5253.4	3213.5	2956.2	2874.6	2906.0	2987.6	3094.3	3175.9	3201.0
32.5°	10651.1	9552.7	5228.3	3282.6	2968.8	2830.7	2837.0	2887.2	3000.1	3056.6	3100.6
35°	11693.0	10318.5	5184.3	3376.7	2975.0	2811.8	2755.4	2780.5	2855.8	2862.1	2880.9
37.5°	12508.9	10889.6	5052.5	3502.3	2987.6	2742.8	2629.8	2611.0	2579.6	2516.9	2529.4
40°	13180.5	11272.5	4832.9	3565.0	2956.2	2661.2	2472.9	2385.0	2265.8	2171.6	2190.5
42.5°	13663.8	11529.8	4569.2	3577.6	2906.0	2523.1	2290.9	2140.3	2008.5	1908.0	1914.3
45°	13877.2	11504.7	4286.8	3483.4	2786.7	2353.7	2121.4	1977.1	1832.7	1726.0	1713.5
47.5°	13883.5	11259.9	3897.7	3257.5	2585.9	2159.1	1964.5	1807.6	1688.4	1613.0	1606.8
50°	13933.7	11121.9	3533.6	2931.1	2322.3	1952.0	1826.4	1669.5	1600.5	1493.8	1462.4
52.5°	14247.5	11347.8	3282.6	2573.3	2077.5	1801.3	1707.2	1569.1	1456.1	1387.1	1380.8
55°	14755.9	11736.9	3144.5	2303.5	1845.3	1657.0	1594.2	1475.0	1374.5	1305.5	1286.7
57.5°	14818.7	11937.8	2981.3	2052.4	1657.0	1544.0	1518.9	1387.1	1242.7	1192.5	1173.7
60°	*13940.0*	*11598.9*	*2780.5*	*1820.2*	*1518.9*	*1456.1*	*1443.6*	*1267.8*	*1148.6*	*1085.8*	*1060.7*
62.5°	12741.2	10751.5	2472.9	1606.8	1412.2	1368.3	1318.1	1180.0	1029.3	960.3	941.5
65°	10412.6	9038.1	2102.6	1462.4	1305.5	1255.3	1242.7	1054.4	954.0	916.4	910.1
67.5°	7889.5	7261.8	1851.5	1355.7	1192.5	1173.7	1129.8	1067.0	1023.1	979.1	966.6
70°	5579.8	5240.8	1575.4	1217.6	1079.5	1048.2	1230.2	1161.1	1004.2	947.7	941.5
72.5°	3383.0	3288.9	1362.0	1092.1	928.9	979.1	1136.0	1048.2	903.8	834.8	809.7
75°	2134.0	1952.0	1142.3	928.9	740.6	797.1	991.7	935.2	778.3	709.2	690.4
77.5°	1161.1	1079.5	859.9	759.4	583.7	646.5	866.1	772.0	621.4	677.9	602.5
80°	508.4	564.9	571.2	439.4	389.1	477.0	621.4	602.5	477.0	483.3	401.7
82.5°	244.8	320.1	370.3	301.3	219.7	282.4	414.2	345.2	320.1	301.3	288.7
85°	75.3	119.3	163.2	144.4	100.4	119.3	194.6	188.3	226.0	194.6	182.0
87.5°	25.1	25.1	18.8	18.8	18.8	25.1	31.4	18.8	6.3	6.3	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°	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2
2.5°	4337.0	4343.3	4343.3	4349.6	4349.6	4368.4	4393.5	4418.6	4399.8	4424.9	4431.2
5°	4035.8	4067.1	4092.2	4186.4	4261.7	4324.5	4393.5	4456.3	4475.1	4487.7	4519.0
7.5°	3326.5	3414.4	3577.6	3791.0	4029.5	4261.7	4418.6	4581.8	4606.9	4638.3	4682.2
10°	2830.7	2868.3	2981.3	3201.0	3627.8	4086.0	4468.8	4726.2	4832.9	4895.6	4939.6
12.5°	2912.3	2887.2	2868.3	2899.7	3175.9	3765.9	4437.4	4933.3	5134.1	5203.2	5259.7
15°	3106.8	3081.7	3012.7	2924.8	2956.2	3426.9	4330.7	5127.9	5448.0	5560.9	5680.2
17.5°	3219.8	3194.7	3138.2	3044.1	2962.5	3144.5	4129.9	5303.6	5943.8	6081.9	6251.3
20°	3282.6	3257.5	3201.0	3106.8	3012.7	3037.8	3872.6	5523.3	6508.7	6728.3	6979.4
22.5°	3295.1	3263.7	3201.0	3106.8	3050.3	3031.5	3627.8	5655.1	7117.5	7456.4	7745.1
25°	3288.9	3232.4	3150.8	3081.7	3050.3	3044.1	3458.3	5730.4	7776.5	8316.3	8642.7
27.5°	3244.9	3175.9	3094.3	3044.1	3031.5	3069.2	3383.0	5818.3	8548.5	9238.9	9759.9
30°	3194.7	3094.3	2993.9	2975.0	3006.4	3125.7	3445.8	5849.6	9358.2	10243.2	10776.6
32.5°	3062.9	2987.6	2887.2	2880.9	2956.2	3169.6	3590.1	5805.7	10073.7	11247.4	11919.0
35°	2874.6	2830.7	2774.2	2793.0	2912.3	3207.3	3690.5	5667.6	10726.4	12182.6	12967.1
37.5°	2542.0	2573.3	2604.7	2648.7	2799.3	3201.0	3734.5	5448.0	11266.2	12929.5	13933.7
40°	2171.6	2278.3	2378.8	2491.7	2692.6	3150.8	3747.0	5178.1	11580.0	13494.3	14793.6
42.5°	1939.4	2039.8	2165.4	2328.6	2548.2	3037.8	3734.5	4876.8	11680.5	13883.5	15339.6
45°	1726.0	1845.3	2002.2	2171.6	2422.7	2874.6	3621.5	4550.4	11730.7	14065.5	15571.8
47.5°	1613.0	1682.1	1826.4	1995.9	2259.5	2673.8	3401.8	4311.9	11655.3	14103.2	15854.3
50°	1481.2	1575.4	1669.5	1832.7	2090.1	2422.7	3138.2	4173.8	11780.9	14473.5	16299.9
52.5°	1380.8	1431.0	1531.5	1682.1	1870.4	2190.5	2887.2	4060.9	12126.1	14850.1	16764.4
55°	1305.5	1362.0	1424.8	1550.3	1694.6	1958.2	2629.8	3891.4	12527.8	15251.7	17228.8
57.5°	1186.2	1223.9	1311.8	1443.6	1537.7	1732.3	2328.6	3690.5	12496.4	14937.9	16425.4
60°	*1079.5*	*1117.2*	*1211.4*	*1343.2*	*1399.6*	*1531.5*	*2033.6*	*3433.2*	*11893.9*	*13914.9*	*14944.2*
62.5°	960.3	1004.2	1117.2	1211.4	1261.6	1362.0	1726.0	2962.5	10638.6	12377.1	13211.9
65°	910.1	935.2	1010.5	1123.5	1117.2	1211.4	1456.1	2328.6	8561.1	9458.6	10218.0
67.5°	966.6	1004.2	991.7	1023.1	1004.2	1054.4	1305.5	1870.4	6728.3	7123.8	7563.1
70°	954.0	1041.9	1085.8	1023.1	878.7	935.2	1129.8	1493.8	4814.0	4776.4	4757.5
72.5°	834.8	922.6	1048.2	1110.9	859.9	778.3	979.1	1292.9	3088.0	3075.5	2780.5
75°	709.2	772.0	922.6	1004.2	740.6	627.6	841.0	1098.4	1845.3	1870.4	1669.5
77.5°	652.7	621.4	772.0	885.0	602.5	483.3	677.9	828.5	1016.8	1029.3	954.0
80°	470.7	451.9	577.4	646.5	458.2	345.2	382.9	514.7	546.1	489.6	508.4
82.5°	301.3	307.5	345.2	414.2	282.4	188.3	263.6	345.2	295.0	238.5	282.4
85°	194.6	219.7	182.0	213.4	87.9	87.9	113.0	150.6	100.4	69.0	75.3
87.5°	0.0	0.0	12.6	25.1	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: P1501345
CATALOG NUMBER: GSS-SB6A-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4431.2	4431.2	*4431.2*	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2	4431.2
2.5°	4450.0	4443.7	*4443.7*	4456.3	4487.7	4500.2	4519.0	4512.8	4531.6	4519.0
5°	4537.9	4544.1	*4563.0*	4569.2	4588.1	4613.2	4619.5	4613.2	4625.7	4625.7
7.5°	4713.6	4738.7	*4726.2*	4757.5	4732.4	4701.1	4650.8	4613.2	4581.8	4594.4
10°	5008.6	4996.0	*4989.8*	4933.3	4820.3	4657.1	4525.3	4381.0	4355.8	4330.7
12.5°	5335.0	5322.4	*5322.4*	5127.9	4807.8	4468.8	4167.6	3941.6	3866.3	3860.0
15°	5793.2	5711.6	*5636.2*	5228.3	4588.1	4010.6	3659.2	3483.4	3439.5	3439.5
17.5°	6364.3	6150.9	*6025.4*	5153.0	4230.3	3709.4	3502.3	3458.3	3445.8	3477.1
20°	7073.5	6533.8	*6351.8*	4983.5	4098.5	3747.0	3646.6	3652.9	3659.2	3703.1
22.5°	7851.8	6885.3	*6584.0*	4983.5	4230.3	3985.5	3935.3	4004.4	4023.2	4060.9
25°	8718.0	7199.1	*6791.1*	5247.1	4619.5	4437.4	4374.7	4443.7	4493.9	4556.7
27.5°	9690.8	7525.5	*7148.9*	5724.1	5121.6	5008.6	4939.6	4970.9	5040.0	5115.3
30°	10563.2	8071.5	*7694.9*	6452.2	5805.7	5667.6	5548.4	5598.6	5673.9	5724.1
32.5°	11335.3	8736.8	*8416.7*	7217.9	6590.3	6351.8	6220.0	6207.4	6358.0	6320.4
35°	12044.5	9521.4	*9213.8*	8090.3	7387.4	7092.4	6916.6	7142.6	7042.2	7079.8
37.5°	12603.1	10337.3	*10092.5*	8925.1	8215.9	7814.2	7707.5	7983.6	8140.5	8184.5
40°	13061.3	11046.5	*10789.2*	9753.6	8975.3	8680.3	8849.8	9308.0	9289.1	9270.3
42.5°	13412.8	11655.3	*11372.9*	10381.2	9703.4	9759.9	9891.7	10199.2	10274.5	10167.8
45°	13569.7	12038.2	*11812.3*	10877.1	10531.9	10858.2	10914.7	11046.5	10996.3	10927.3
47.5°	13751.7	12377.1	*12138.6*	11329.0	11429.4	11749.5	11636.5	11529.8	11347.8	11241.1
50°	14059.2	12778.8	*12578.0*	11988.0	12352.0	12245.3	11806.0	11567.5	11197.2	11071.6
52.5°	14642.9	13538.3	*13387.6*	13029.9	12785.1	12170.0	11636.5	11209.7	10795.5	10626.0
55°	15163.9	14567.6	*14479.7*	14002.7	12653.3	11774.6	11059.1	10400.1	9690.8	9546.5
57.5°	15465.1	16274.8	*16375.2*	14417.0	12050.8	10877.1	9822.6	8768.2	8096.6	7977.4
60°	*14567.6*	*18120.1*	*18170.3*	*14335.4*	*10964.9*	*9257.7*	*7651.0*	*6904.1*	*6182.3*	*5975.2*
62.5°	13331.2	17737.2	*17693.3*	13845.8	8730.5	6753.4	5812.0	5460.5	4901.9	4732.4
65°	11460.8	14774.7	*14825.0*	11962.9	5805.7	4883.1	4883.1	4437.4	3816.1	3696.8
67.5°	9339.3	11391.7	*11278.8*	7757.7	3565.0	3910.2	4098.5	3458.3	2585.9	2441.5
70°	6069.3	8699.1	*8542.2*	4475.1	2240.7	3257.5	3226.1	2598.4	1851.5	1751.1
72.5°	2611.0	5027.4	*5347.5*	2284.6	1688.4	2623.6	2573.3	1820.2	1236.5	1192.5
75°	1575.4	2529.4	*2755.4*	1456.1	1230.2	1977.1	1782.5	1154.9	841.0	809.7
77.5°	998.0	1387.1	*1374.5*	1092.1	922.6	1336.9	1198.8	797.1	571.2	546.1
80°	577.4	684.1	*709.2*	684.1	621.4	954.0	765.7	577.4	445.6	414.2
82.5°	370.3	426.8	*433.1*	332.7	345.2	615.1	414.2	338.9	257.3	232.2
85°	163.2	182.0	*175.7*	113.0	113.0	251.1	144.4	138.1	100.4	100.4
87.5°	6.3	12.6	*6.3*	6.3	6.3	25.1	12.6	18.8	18.8	18.8
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

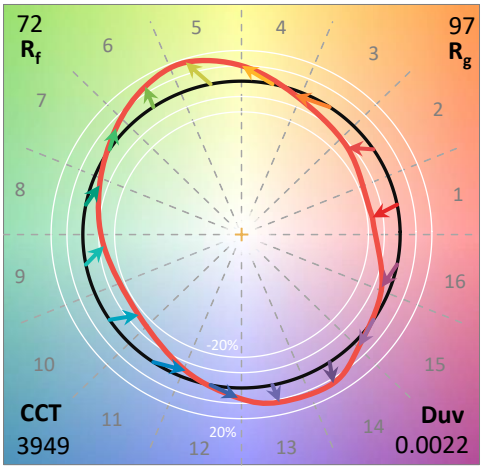
Test Information

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

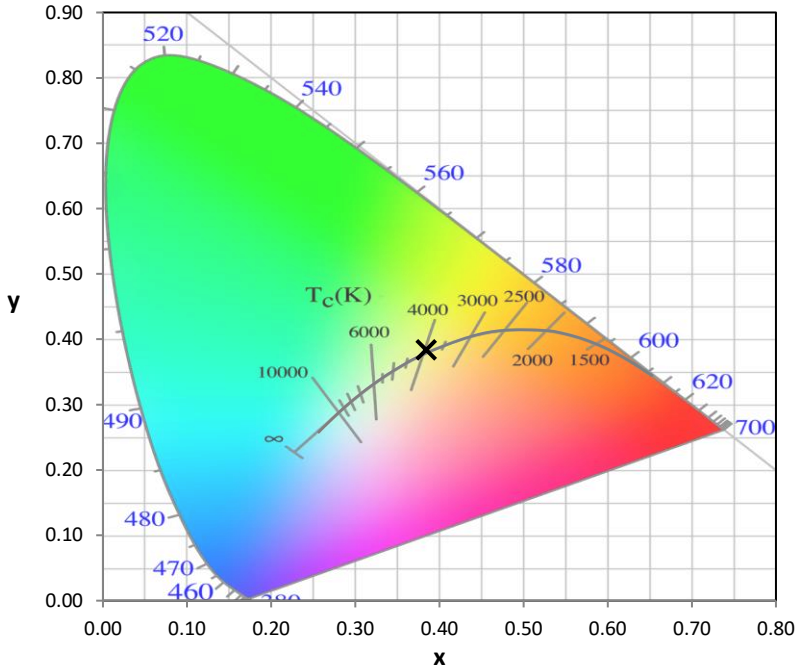
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

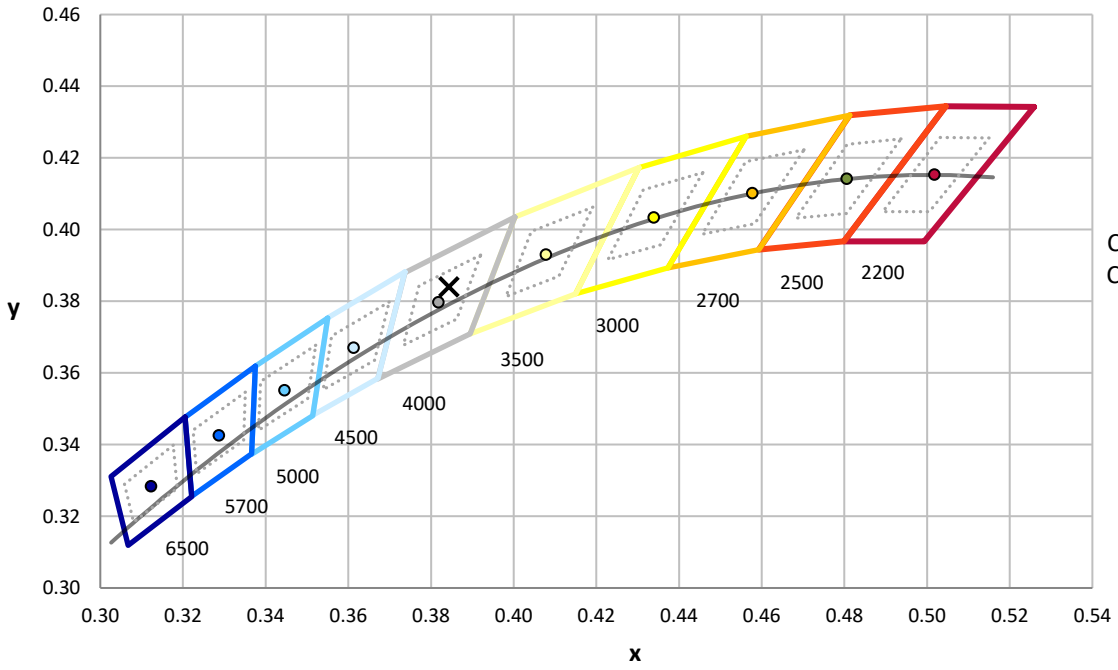
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

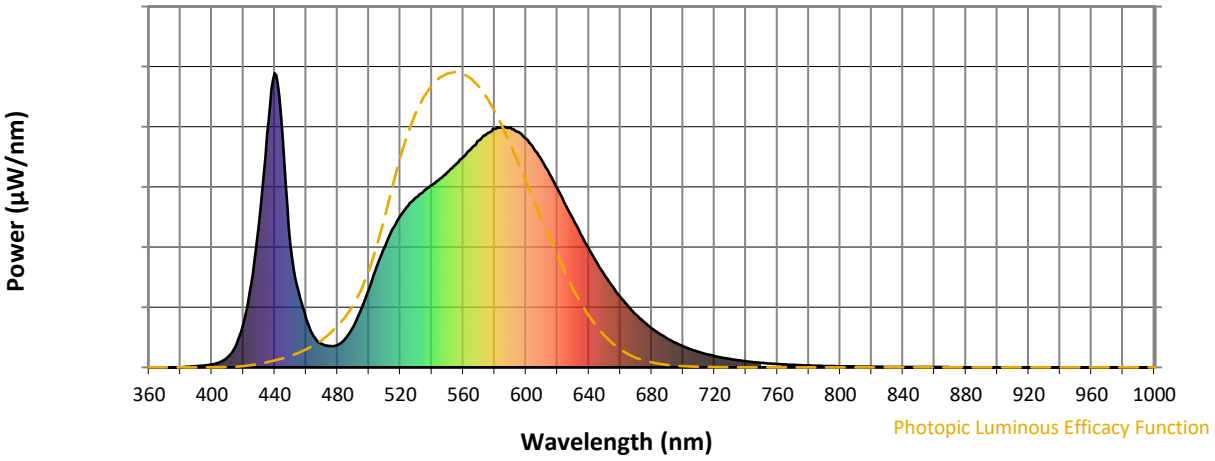


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

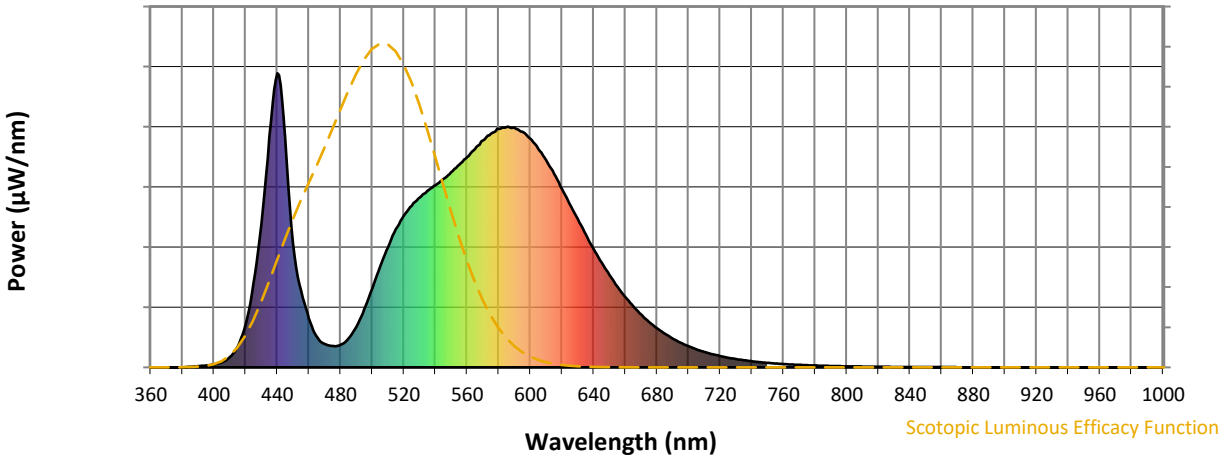


Photopic Lumens: NR

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

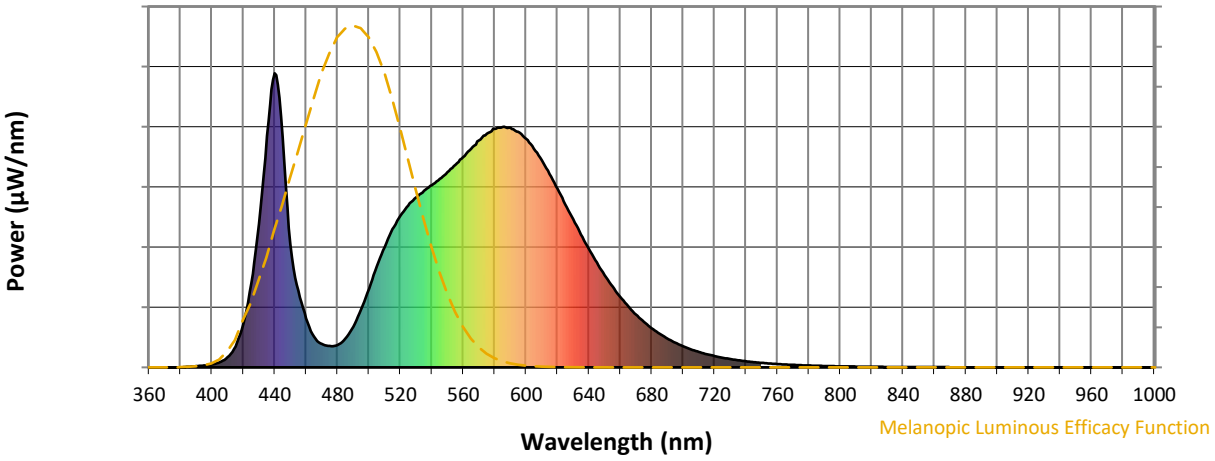


Scotopic Lumens: NR **S/P: 1.47**

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			

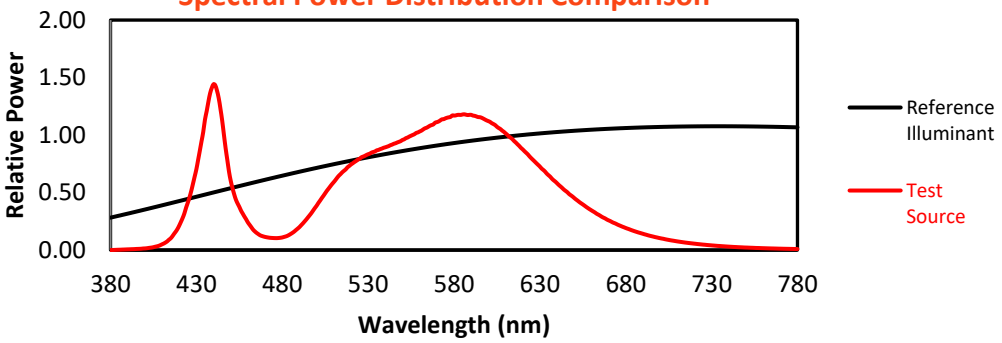
REPORT NUMBER: SP1-2407-184-1

TM-30-18

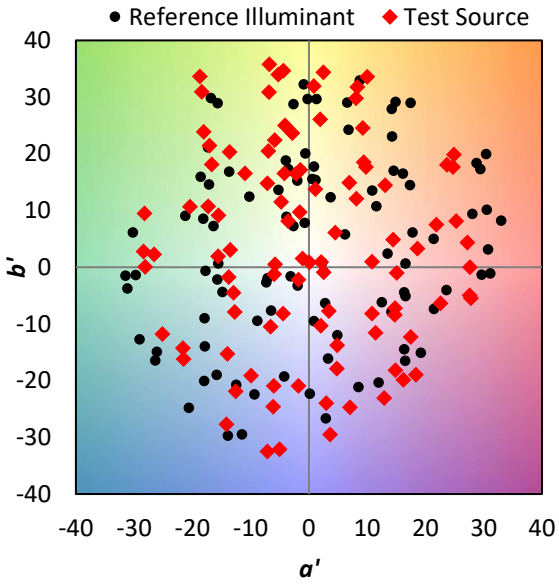
Summary

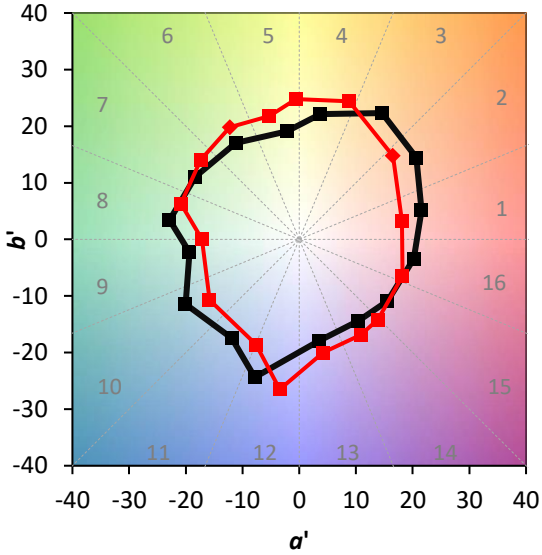
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

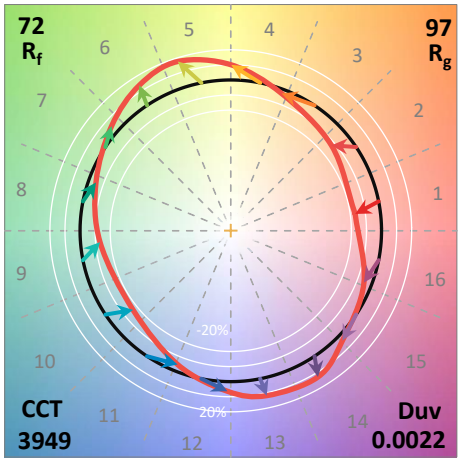
Spectral Power Distribution Comparison

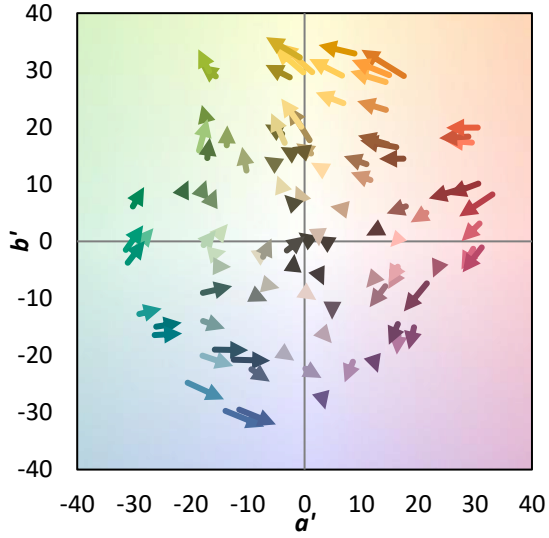


Color Vector Graphics







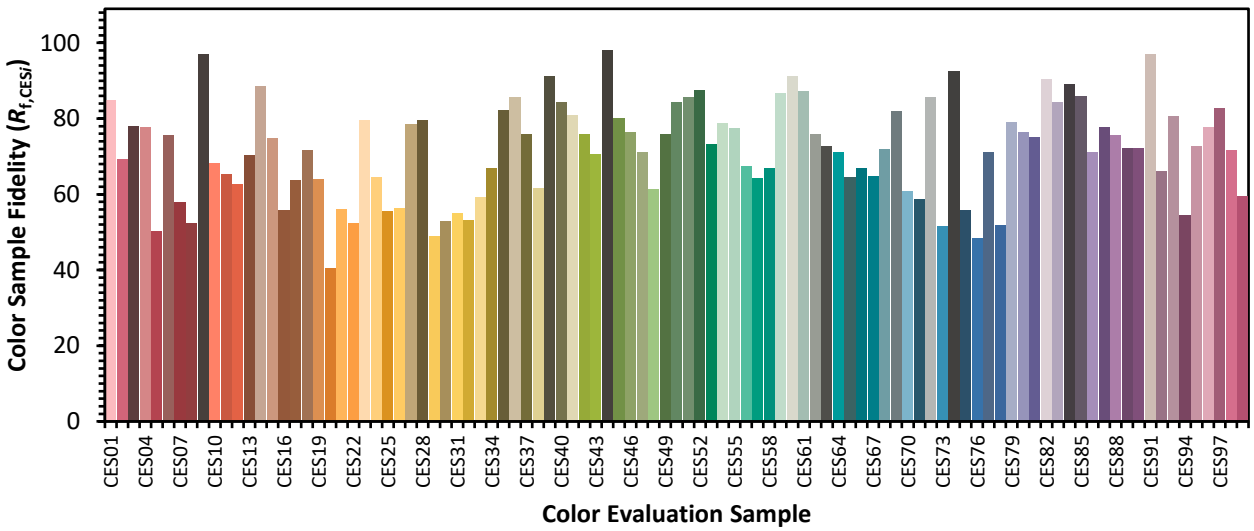


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Individual Sample Fidelity Index ($R_{f,i}$)

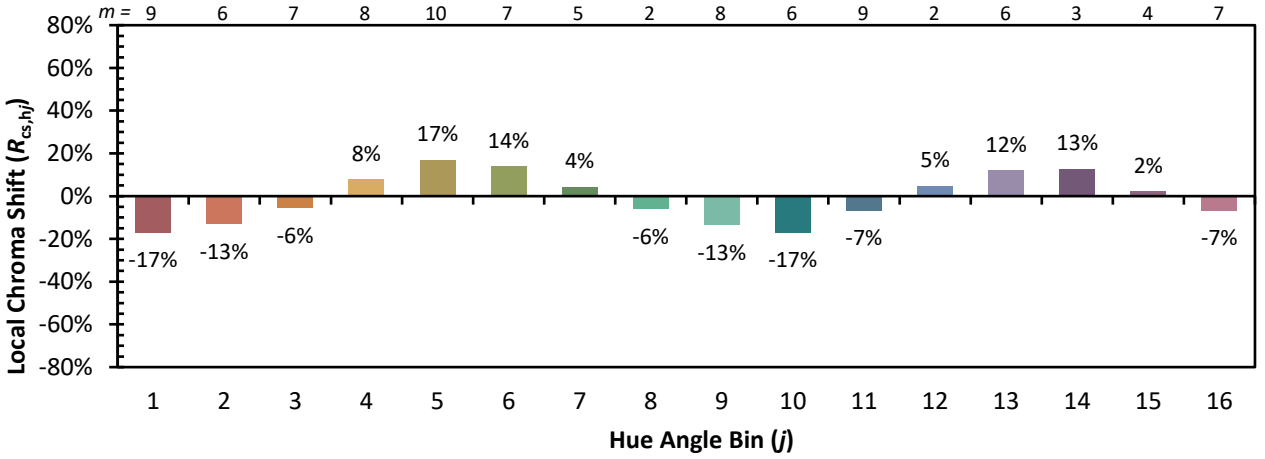
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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

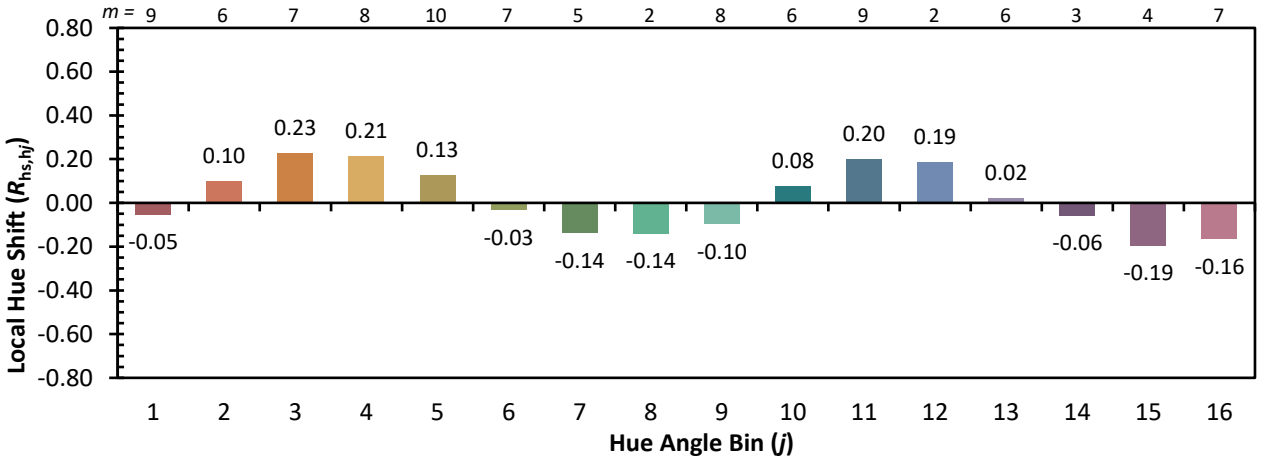


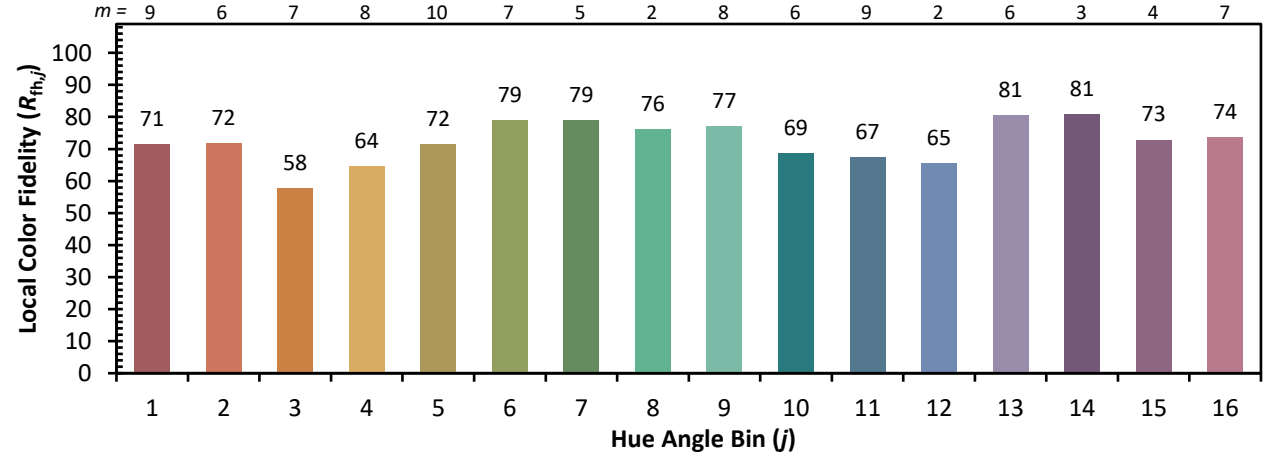
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Color Rendition by Hue-Angle Bin



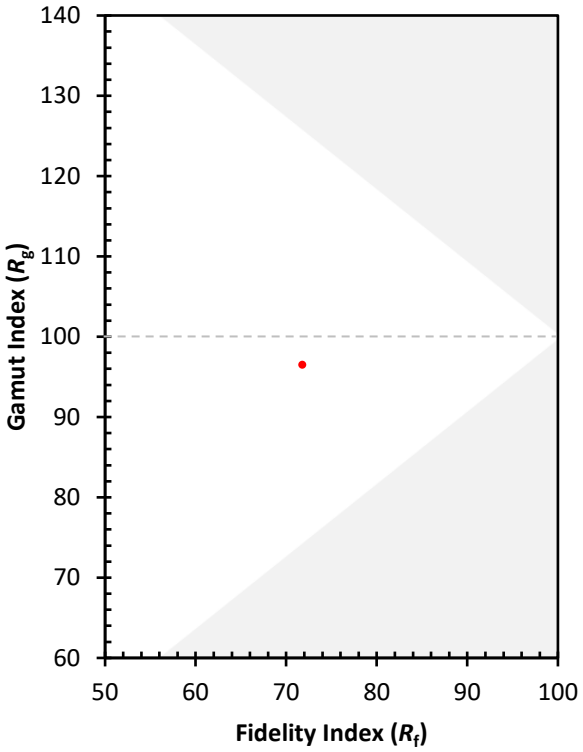


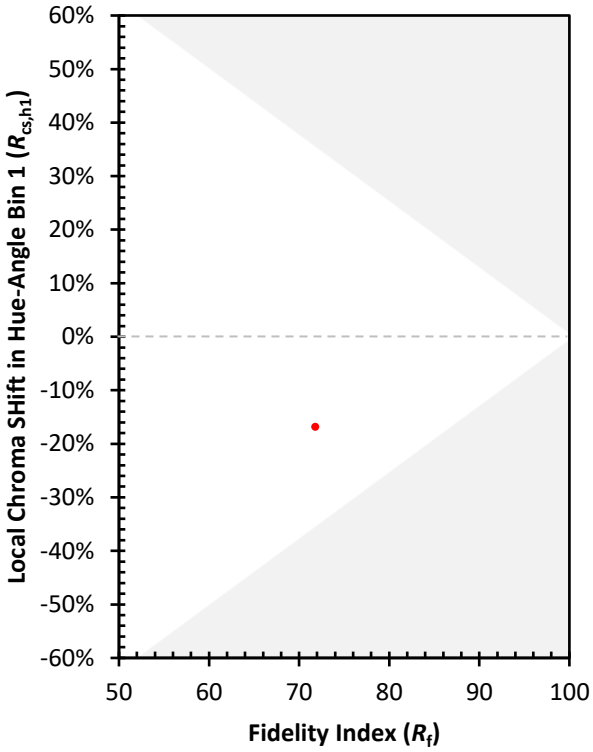


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Measure Comparisons





(END OF REPORT)