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: P1501842

Luminaire Tested: GSS-SB4B-750-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501842
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-750-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18827.7 lumens
Efficiency:	N/A
Efficacy:	127.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

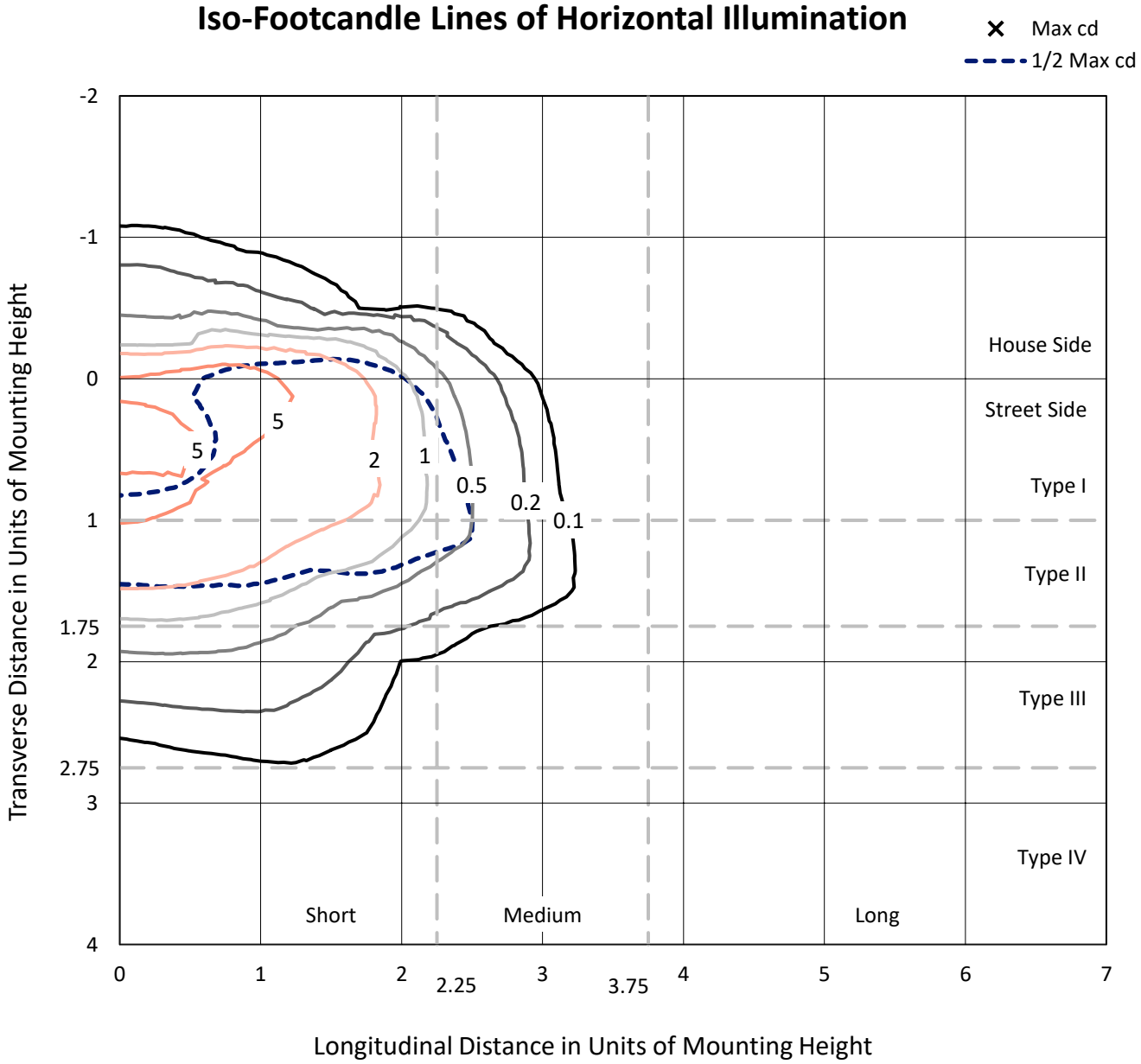
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



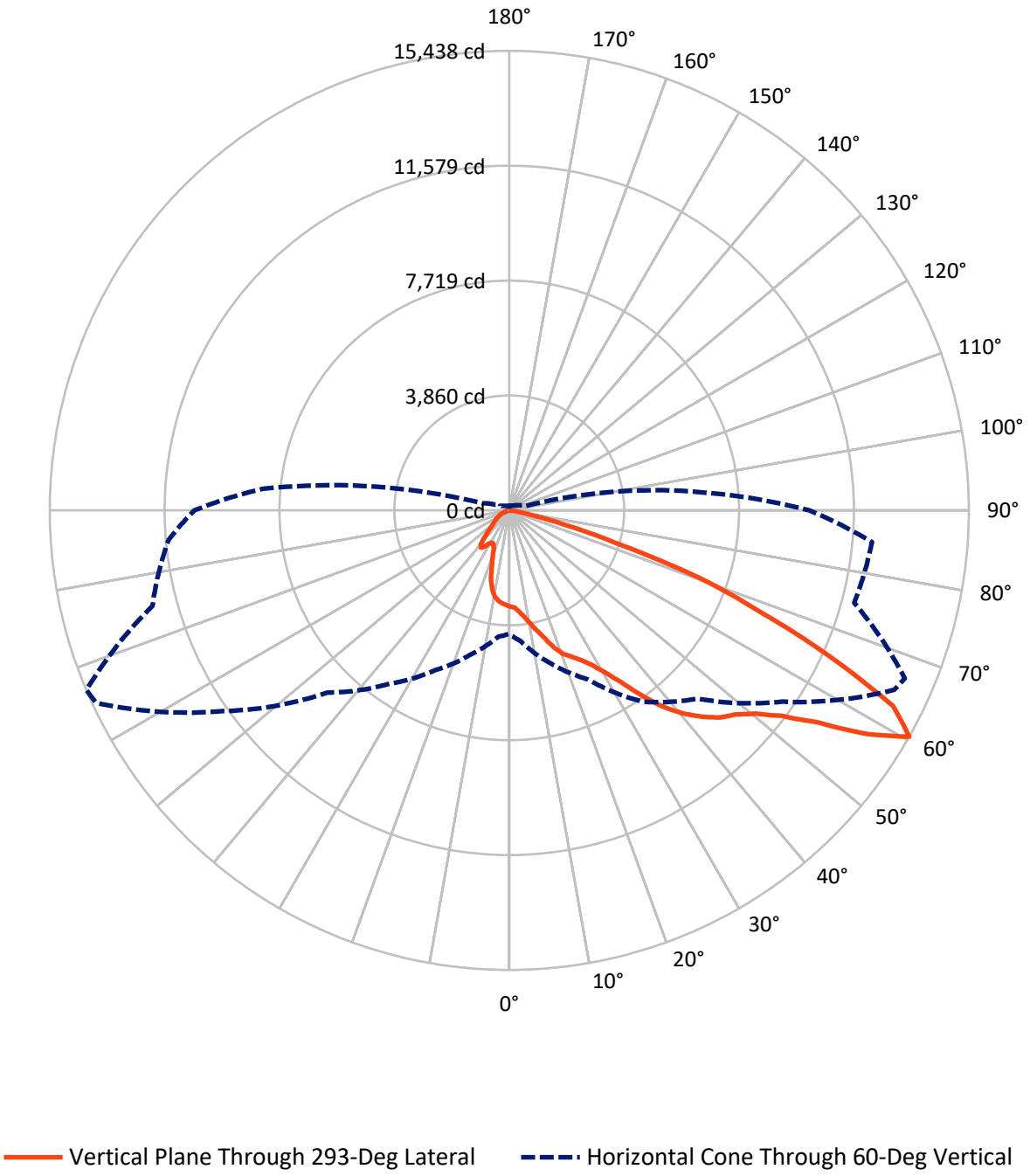
Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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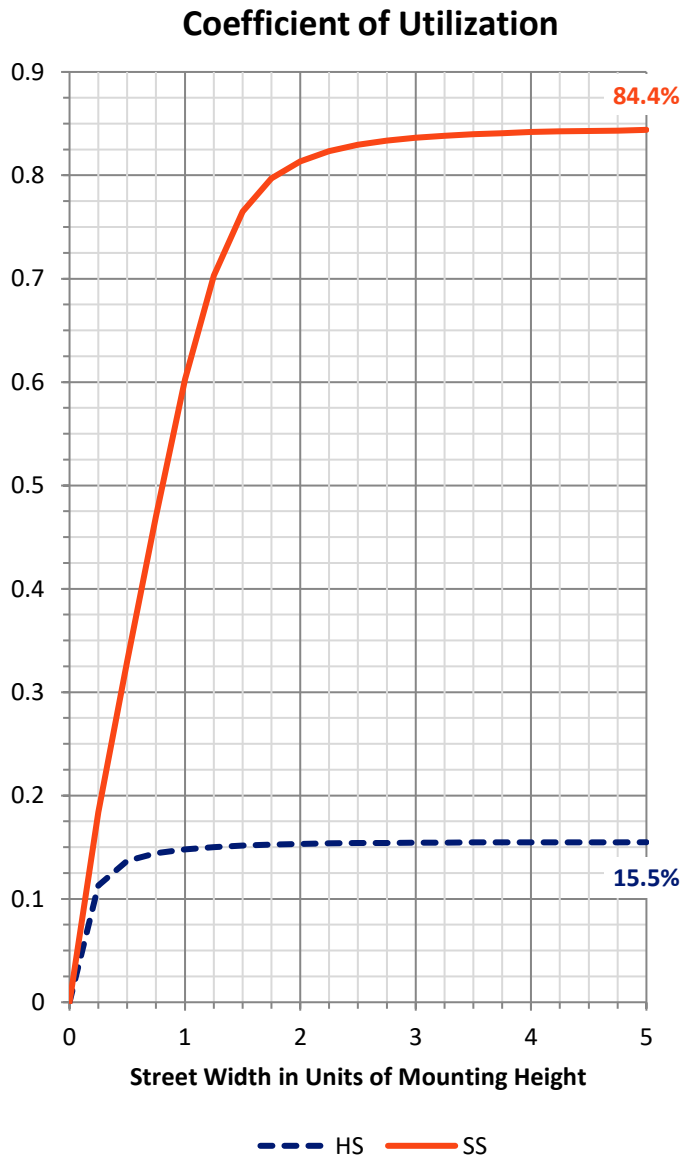
REPORT NUMBER: P1501842
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2937.6	0.0	2937.6
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	15890.1	0.0	15890.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	18827.7	0.0	18827.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.1	1.6
10°-20°	735.9	3.9
20°-30°	1373.8	7.3
30°-40°	2724.3	14.5
40°-50°	4343.5	23.1
50°-60°	5189.4	27.6
60°-70°	3402.0	18.1
70°-80°	712.7	3.8
80°-90°	53.9	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°	18827.7	100.0
0°-180°	18827.7	100.0



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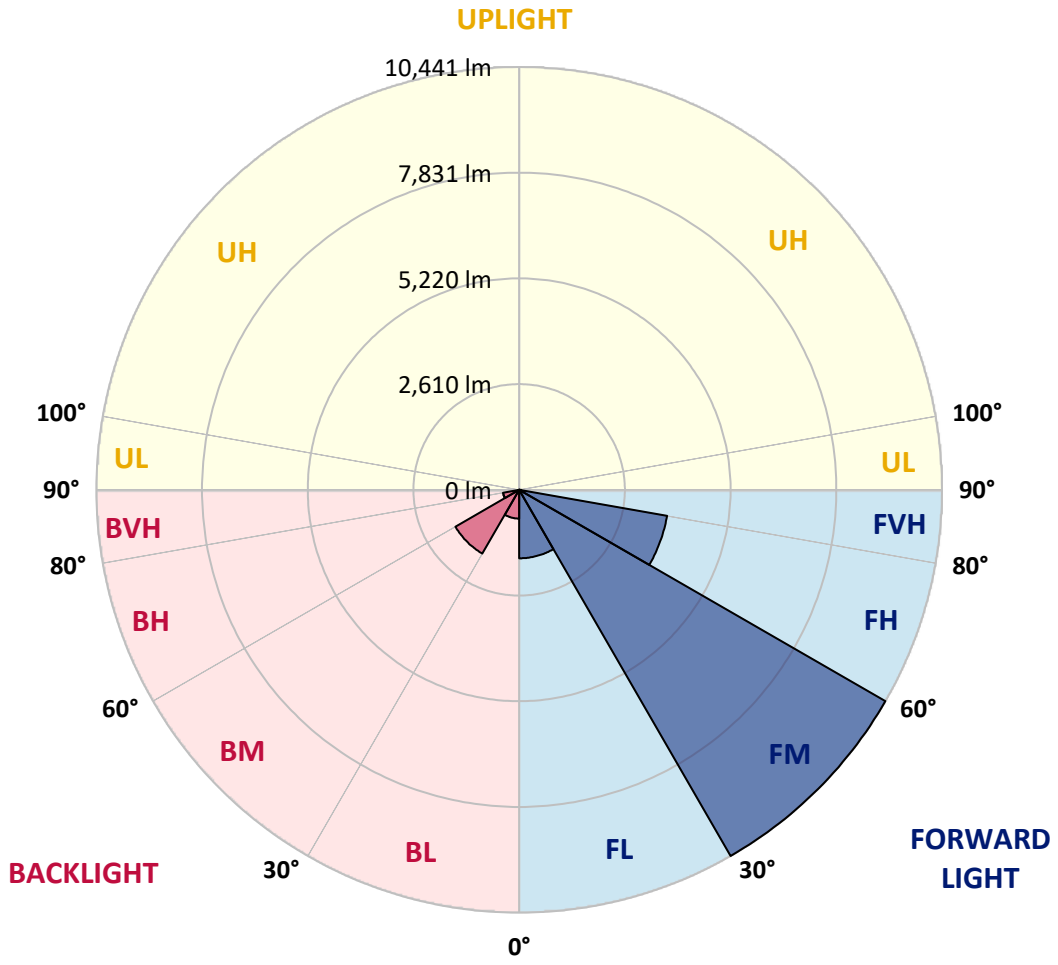
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1691.1	9.0			
FM	(30°-60°)	10440.7	55.5			
FH	(60°-80°)	3708.9	19.7			G2/5000
FVH	(80°-90°)	49.4	0.3			G1/100
BL	(0°-30°)	710.7	3.8	B2/1000		
BM	(30°-60°)	1816.6	9.6	B2/2500		
BH	(60°-80°)	405.8	2.2	B1/500		G1/500
BVH	(80°-90°)	4.5	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°	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9
2.5°	3390.3	3379.8	3364.0	3369.2	3364.0	3342.9	3311.2	3284.9	3306.0	3274.3	3253.2
5°	3490.5	3490.5	3480.0	3480.0	3485.2	3474.7	3453.6	3416.7	3422.0	3395.6	3327.1
7.5°	3490.5	3474.7	3501.1	3527.4	3574.9	3601.2	3611.8	3590.7	3601.2	3548.5	3458.9
10°	3284.9	3274.3	3342.9	3443.1	3580.1	3701.4	3780.5	3785.8	3801.6	3748.9	3643.4
12.5°	2847.2	2826.2	2963.2	3153.1	3432.5	3712.0	3933.4	4017.8	4054.7	4033.6	3886.0
15°	2441.2	2467.6	2562.5	2768.2	3142.5	3569.6	4017.8	4297.2	4350.0	4376.3	4202.3
17.5°	2399.1	2404.3	2436.0	2536.2	2820.9	3337.6	4028.3	4587.2	4661.0	4777.0	4539.8
20°	2515.1	2504.5	2536.2	2567.8	2704.9	3132.0	3928.1	4866.7	5009.0	5256.9	4998.5
22.5°	2731.2	2731.2	2747.1	2768.2	2836.7	3116.2	3886.0	5125.0	5367.6	5873.8	5573.2
25°	3095.1	3052.9	3063.4	3037.1	3095.1	3306.0	3980.9	5330.7	5662.9	6559.2	6258.7
27.5°	3659.2	3675.1	3580.1	3437.8	3469.4	3648.7	4212.9	5562.7	5968.7	7271.0	6954.7
30°	4439.6	4413.2	4355.2	4075.8	3949.2	4107.4	4640.0	5942.3	6379.9	8172.6	7882.6
32.5°	5051.2	5125.0	5024.9	4829.8	4634.7	4682.1	5241.0	6553.9	6880.8	9000.5	8842.3
35°	5789.4	5789.4	5810.5	5536.3	5404.5	5393.9	5995.0	7218.3	7545.2	9749.2	9859.9
37.5°	6785.9	6717.4	6601.4	6295.6	6195.4	6327.2	6701.6	7903.7	8257.0	10355.5	10650.8
40°	7624.3	7671.7	7655.9	7213.0	7017.9	7160.3	7492.5	8489.0	8763.2	10745.7	11288.8
42.5°	8446.8	8473.2	8404.6	8193.7	7909.0	7919.6	8193.7	8931.9	9211.4	11120.1	11889.9
45°	9063.7	9058.5	9011.0	8958.3	8789.5	8615.6	8663.0	9422.3	9664.8	11241.3	12216.8
47.5°	9258.8	9301.0	9343.2	9490.8	9606.8	9332.6	9090.1	9685.9	9907.4	11220.3	12338.1
50°	9079.5	9169.2	9374.8	9596.3	9991.7	9970.6	9448.6	9970.6	10186.8	11336.3	12480.4
52.5°	8678.8	8768.5	9042.6	9443.4	10039.2	10334.4	10113.0	10450.4	10703.5	11631.5	12775.7
55°	7745.6	7782.5	8346.6	8873.9	9801.9	10176.3	10824.8	11262.4	11473.3	11990.1	13165.9
57.5°	6306.1	6395.8	6949.4	7808.8	9137.5	9759.7	11230.8	12649.1	12643.9	12332.8	13250.2
60°	*4149.6*	*4413.2*	*5314.9*	*6263.9*	*7851.0*	*8942.5*	*11204.4*	*14273.1*	*14436.6*	*11995.3*	*12232.6*
62.5°	3168.9	3279.6	3791.1	4582.0	5810.5	7413.4	11030.4	14758.2	14884.8	11088.4	10708.8
65°	2383.2	2520.3	3010.7	3717.2	4102.1	5024.9	9891.5	12828.4	13002.4	9896.8	8325.6
67.5°	1460.5	1571.3	2225.1	3052.9	3105.6	3121.4	6675.2	9717.5	9780.8	7982.8	5604.9
70°	975.4	1086.2	1539.6	2346.3	2472.9	1798.0	3664.5	7355.4	7350.1	5462.5	3406.1
72.5°	564.2	616.9	975.4	1729.4	1945.6	1144.2	1829.6	4676.9	4471.2	2567.8	1592.3
75°	321.6	358.5	537.8	1112.5	1365.6	727.6	722.4	2504.5	2214.5	1323.4	870.0
77.5°	195.1	210.9	295.3	727.6	822.5	490.4	400.7	1165.3	1123.1	775.1	458.7
80°	94.9	110.7	179.3	427.1	527.3	263.6	242.5	458.7	490.4	427.1	242.5
82.5°	31.6	42.2	100.2	163.5	342.7	105.5	100.2	253.1	268.9	253.1	116.0
85°	15.8	21.1	47.5	52.7	131.8	52.7	36.9	110.7	137.1	84.4	47.5
87.5°	0.0	5.3	5.3	5.3	5.3	5.3	5.3	10.5	10.5	10.5	10.5
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°	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9
2.5°	3237.4	3226.9	3205.8	3168.9	3163.6	3137.2	3095.1	3068.7	3047.6	3063.4	3068.7
5°	3295.4	3269.1	3205.8	3105.6	3000.2	2894.7	2794.5	2678.5	2599.4	2588.9	2567.8
7.5°	3400.9	3348.1	3211.1	3016.0	2747.1	2494.0	2198.7	1914.0	1771.6	1750.5	1703.1
10°	3569.6	3480.0	3253.2	2857.8	2341.1	1813.8	1365.6	1059.8	885.8	854.2	864.7
12.5°	3770.0	3643.4	3258.5	2588.9	1782.2	1123.1	775.1	659.1	622.2	606.4	606.4
15°	4028.3	3843.8	3253.2	2240.9	1202.2	722.4	622.2	574.7	558.9	548.4	548.4
17.5°	4355.2	4112.7	3216.3	1718.9	812.0	627.4	569.4	532.5	511.4	506.2	506.2
20°	4740.1	4413.2	3132.0	1281.3	680.2	585.3	537.8	490.4	474.5	464.0	464.0
22.5°	5230.5	4777.0	2968.5	996.5	643.3	558.9	506.2	453.5	437.6	427.1	427.1
25°	5799.9	5241.0	2752.3	896.4	638.0	537.8	474.5	421.8	406.0	400.7	395.5
27.5°	6474.8	5736.7	2552.0	901.6	648.5	522.0	442.9	395.5	379.6	363.8	369.1
30°	7271.0	6248.1	2388.5	964.9	659.1	506.2	421.8	379.6	363.8	342.7	342.7
32.5°	8056.6	6849.2	2372.7	1080.9	696.0	495.6	400.7	358.5	342.7	326.9	326.9
35°	8863.4	7397.6	2462.3	1233.8	769.8	479.8	374.4	337.5	321.6	311.1	305.8
37.5°	9633.2	7835.2	2546.7	1328.7	727.6	411.3	342.7	311.1	295.3	274.2	274.2
40°	10144.6	8072.5	2562.5	1254.9	601.1	369.1	311.1	279.5	258.4	247.8	242.5
42.5°	10519.0	8225.4	2383.2	1017.6	522.0	337.5	284.7	253.1	237.3	226.7	226.7
45°	10671.9	8172.6	2077.4	775.1	479.8	311.1	258.4	232.0	221.5	210.9	210.9
47.5°	10650.8	7930.1	1766.3	622.2	437.6	284.7	242.5	221.5	210.9	200.4	195.1
50°	10613.9	7703.4	1450.0	553.6	390.2	268.9	226.7	210.9	195.1	184.5	179.3
52.5°	10856.4	7629.6	1202.2	506.2	363.8	258.4	221.5	200.4	184.5	174.0	174.0
55°	11099.0	7661.2	943.8	474.5	337.5	253.1	216.2	195.1	179.3	163.5	163.5
57.5°	11083.2	7524.1	717.1	442.9	316.4	247.8	210.9	189.8	163.5	152.9	152.9
60°	*10076.1*	*6712.1*	*558.9*	*406.0*	*290.0*	*232.0*	*195.1*	*179.3*	*152.9*	*137.1*	*137.1*
62.5°	8520.6	5277.9	458.7	358.5	258.4	210.9	179.3	163.5	137.1	110.7	110.7
65°	6295.6	3806.9	369.1	311.1	237.3	184.5	163.5	142.4	110.7	89.6	84.4
67.5°	4260.3	2341.1	295.3	258.4	210.9	158.2	137.1	121.3	100.2	73.8	68.5
70°	2525.6	1244.4	216.2	179.3	158.2	116.0	116.0	105.5	84.4	63.3	58.0
72.5°	1202.2	432.4	158.2	131.8	121.3	84.4	89.6	89.6	68.5	47.5	42.2
75°	611.6	210.9	105.5	94.9	79.1	63.3	73.8	68.5	47.5	31.6	31.6
77.5°	348.0	147.6	73.8	63.3	52.7	42.2	47.5	42.2	26.4	15.8	15.8
80°	195.1	105.5	47.5	42.2	31.6	26.4	26.4	21.1	15.8	5.3	5.3
82.5°	73.8	63.3	31.6	21.1	15.8	15.8	10.5	10.5	5.3	0.0	0.0
85°	31.6	15.8	15.8	10.5	10.5	5.3	5.3	5.3	0.0	0.0	0.0
87.5°	5.3	5.3	5.3	5.3	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°	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9
2.5°	3026.5	3037.1	3047.6	3089.8	3100.3	3132.0	3158.3	3190.0	3195.2	3237.4	3237.4
5°	2610.0	2604.7	2694.3	2826.2	2910.5	3026.5	3116.2	3211.1	3263.8	3332.3	3364.0
7.5°	1729.4	1861.3	2061.6	2293.6	2594.2	2873.6	3084.5	3269.1	3395.6	3474.7	3506.3
10°	859.4	933.3	1144.2	1523.8	2035.3	2604.7	3052.9	3395.6	3601.2	3690.9	3748.9
12.5°	606.4	622.2	659.1	864.7	1355.1	2161.8	2952.7	3532.7	3817.4	3986.1	4060.0
15°	543.1	553.6	569.4	627.4	838.4	1613.4	2773.4	3685.6	4154.9	4350.0	4444.9
17.5°	500.9	506.2	522.0	569.4	659.1	1096.7	2483.4	3849.1	4560.9	4798.1	4977.4
20°	464.0	464.0	479.8	537.8	611.6	843.6	2066.9	4033.6	5077.6	5420.3	5599.6
22.5°	421.8	432.4	442.9	506.2	595.8	769.8	1676.7	4176.0	5652.3	6068.8	6279.8
25°	390.2	400.7	411.3	474.5	580.0	769.8	1450.0	4265.6	6295.6	6791.2	7081.2
27.5°	363.8	374.4	390.2	453.5	564.2	801.4	1360.4	4292.0	6996.8	7640.1	8030.3
30°	342.7	353.3	369.1	437.6	574.7	838.4	1392.0	4255.0	7708.7	8515.4	8979.4
32.5°	321.6	332.2	348.0	421.8	574.7	885.8	1497.4	4181.2	8399.4	9390.6	9960.1
35°	305.8	311.1	316.4	379.6	522.0	880.5	1629.3	4107.4	9095.4	10255.4	10919.7
37.5°	274.2	279.5	290.0	326.9	416.5	801.4	1655.6	4017.8	9643.7	10983.0	11715.9
40°	242.5	253.1	263.6	300.5	348.0	648.5	1539.6	3828.0	9933.7	11541.9	12433.0
42.5°	221.5	226.7	237.3	274.2	321.6	516.7	1291.8	3495.8	10192.1	11921.5	12955.0
45°	205.6	210.9	221.5	247.8	300.5	448.2	1017.6	3089.8	10213.2	12042.8	13208.1
47.5°	189.8	195.1	200.4	226.7	290.0	400.7	780.4	2720.7	10207.9	12201.0	13424.2
50°	179.3	184.5	195.1	216.2	274.2	358.5	643.3	2420.2	10429.4	12543.7	13861.9
52.5°	174.0	174.0	189.8	210.9	258.4	326.9	537.8	2151.3	10545.4	12881.1	14178.2
55°	163.5	168.7	179.3	200.4	242.5	311.1	458.7	1813.8	10598.1	13049.9	14236.2
57.5°	152.9	158.2	174.0	189.8	232.0	295.3	395.5	1355.1	9844.1	12169.3	13266.1
60°	*137.1*	*147.6*	*168.7*	*184.5*	*216.2*	*268.9*	*348.0*	*917.4*	*8304.5*	*10577.0*	*11494.4*
62.5°	110.7	131.8	152.9	163.5	195.1	226.7	295.3	611.6	6633.0	8752.6	9796.6
65°	84.4	110.7	126.5	142.4	163.5	189.8	247.8	416.5	4423.8	5889.6	7065.4
67.5°	73.8	94.9	105.5	116.0	137.1	163.5	200.4	290.0	2683.8	3538.0	4698.0
70°	58.0	79.1	89.6	84.4	105.5	126.5	142.4	195.1	1370.9	1919.3	2673.2
72.5°	42.2	63.3	68.5	68.5	63.3	89.6	105.5	137.1	595.8	933.3	1212.7
75°	31.6	42.2	47.5	42.2	36.9	58.0	73.8	89.6	390.2	558.9	706.5
77.5°	15.8	15.8	26.4	26.4	15.8	31.6	36.9	52.7	221.5	326.9	406.0
80°	5.3	0.0	0.0	5.3	0.0	10.5	15.8	26.4	116.0	174.0	253.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	58.0	52.7	131.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	31.6
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: P1501842
CATALOG NUMBER: GSS-SB4B-750-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9	3226.9
2.5°	3263.8	3263.8	3284.9	3316.5	3332.3	3342.9	3348.1	3358.7	3400.9	3390.3
5°	3400.9	3411.4	3427.2	3458.9	3495.8	3485.2	3485.2	3485.2	3511.6	3490.5
7.5°	3580.1	3611.8	3617.1	3654.0	3627.6	3574.9	3543.2	3495.8	3490.5	3490.5
10°	3870.1	3859.6	3859.6	3812.1	3717.2	3564.3	3427.2	3332.3	3279.6	3284.9
12.5°	4181.2	4139.1	4144.3	3970.3	3701.4	3364.0	3084.5	2878.9	2863.1	2847.2
15°	4566.1	4455.4	4434.3	4033.6	3464.1	2947.4	2673.2	2509.8	2457.1	2441.2
17.5°	5114.5	4835.0	4734.9	3922.9	3153.1	2689.1	2483.4	2409.6	2404.3	2399.1
20°	5694.5	5140.9	4951.0	3759.4	3047.6	2694.3	2541.4	2520.3	2509.8	2515.1
22.5°	6369.4	5335.9	5093.4	3785.8	3142.5	2868.3	2747.1	2731.2	2720.7	2731.2
25°	7065.4	5562.7	5262.1	3996.7	3427.2	3190.0	3047.6	3016.0	3047.6	3095.1
27.5°	7766.7	5868.5	5594.3	4413.2	3886.0	3627.6	3490.5	3606.5	3654.0	3659.2
30°	8388.8	6295.6	6042.5	4998.5	4408.0	4149.6	4176.0	4323.6	4381.6	4439.6
32.5°	8958.3	6865.0	6669.9	5662.9	5082.9	4930.0	4914.1	5024.9	5088.1	5051.2
35°	9533.0	7608.5	7418.7	6385.2	5910.7	5784.1	5652.3	5868.5	5847.4	5789.4
37.5°	10076.1	8357.2	8183.2	7160.3	6669.9	6448.5	6427.4	6622.5	6796.5	6785.9
40°	10466.3	8963.5	8752.6	7930.1	7466.1	7276.3	7387.0	7724.5	7682.3	7624.3
42.5°	10824.8	9480.3	9290.5	8605.0	8119.9	8204.3	8304.5	8531.2	8504.8	8446.8
45°	10993.5	9923.2	9759.7	9116.5	8879.2	9148.1	9142.8	9227.2	9084.8	9063.7
47.5°	11230.8	10239.5	10070.8	9575.2	9786.1	9896.8	9585.7	9496.1	9364.3	9258.8
50°	11668.4	10729.9	10561.2	10271.2	10450.4	10107.7	9728.1	9533.0	9264.1	9079.5
52.5°	12179.9	11473.3	11325.7	11209.7	10708.8	10002.3	9517.2	9163.9	8837.0	8678.8
55°	12823.1	12570.1	12464.6	11826.6	10476.8	9569.9	9000.5	8341.4	7893.2	7745.6
57.5°	13034.1	14178.2	14141.3	11926.8	9828.3	8784.3	7756.1	6865.0	6401.0	6306.1
60°	12411.9	15438.4	15306.6	11758.1	8652.5	7128.7	5926.5	5014.3	4260.3	4149.6
62.5°	11615.7	14473.5	14426.0	10909.2	6590.8	5109.2	4429.0	3574.9	3253.2	3168.9
65°	9949.5	11842.4	11863.5	8752.6	4170.7	3669.8	3638.1	2842.0	2446.5	2383.2
67.5°	7661.2	9084.8	8937.2	5504.7	2430.7	2936.9	2905.2	2077.4	1502.7	1460.5
70°	4476.5	6764.8	6527.6	2863.1	1608.2	2451.8	2235.6	1460.5	1022.9	975.4
72.5°	1977.3	3722.5	3996.7	1260.2	1133.6	1950.9	1613.4	896.4	574.7	564.2
75°	1096.7	1845.4	1929.8	548.4	796.2	1386.7	975.4	500.9	326.9	321.6
77.5°	659.1	817.3	796.2	353.3	595.8	885.8	590.5	284.7	205.6	195.1
80°	369.1	374.4	316.4	258.4	353.3	495.6	332.2	179.3	94.9	94.9
82.5°	226.7	205.6	163.5	79.1	94.9	300.5	121.3	100.2	31.6	31.6
85°	94.9	63.3	42.2	15.8	36.9	79.1	42.2	47.5	15.8	15.8
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

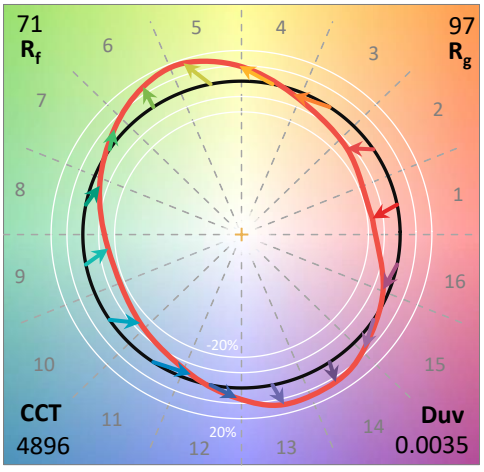
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

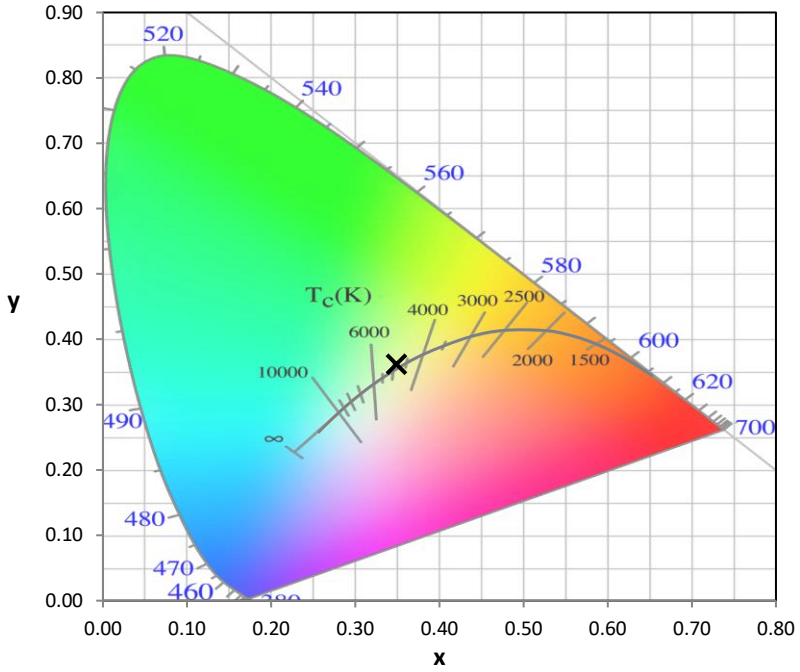
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

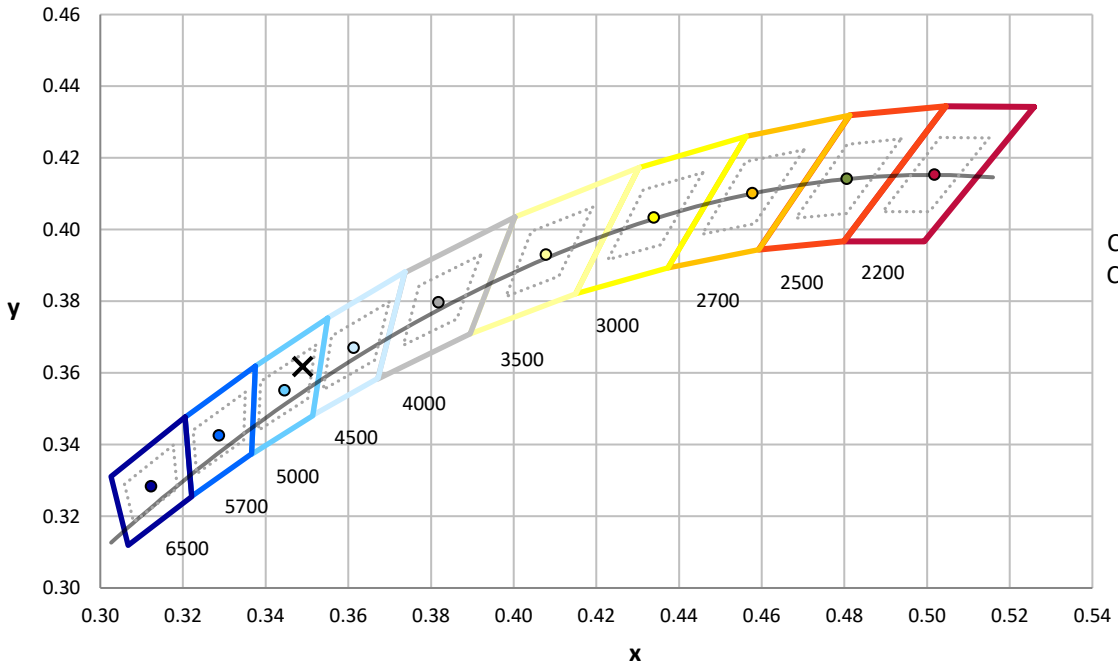
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

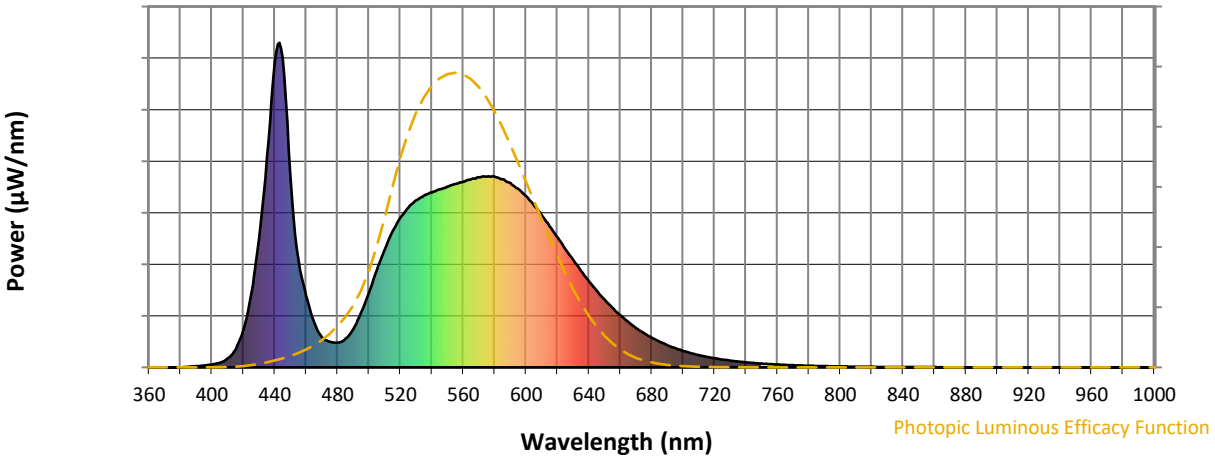


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

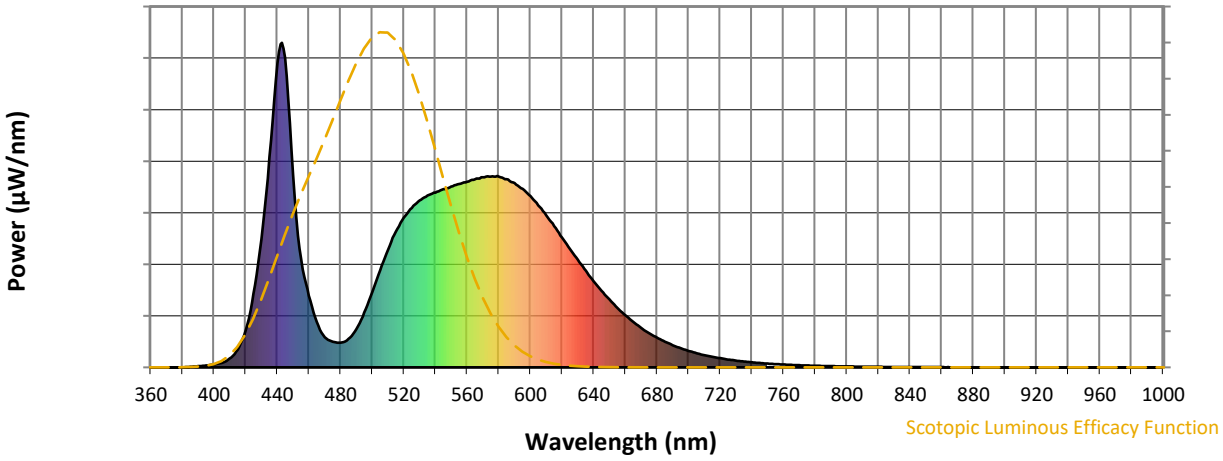


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

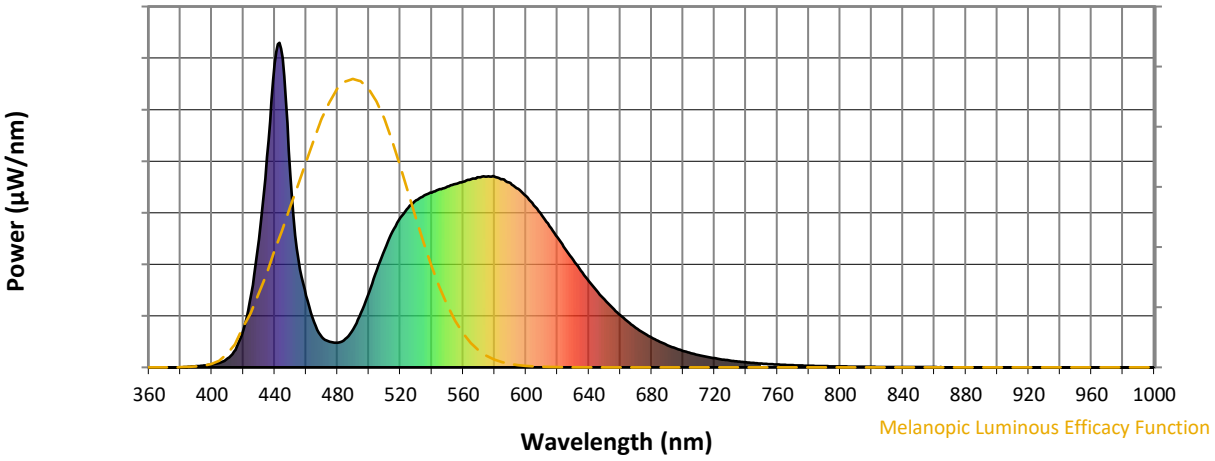


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

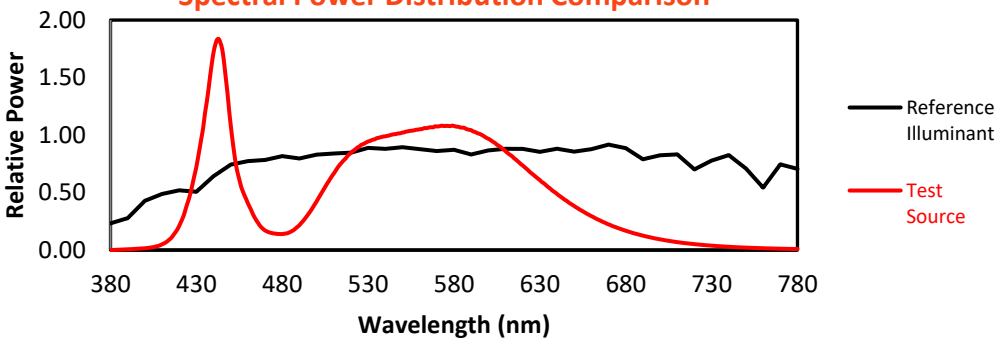
REPORT NUMBER: SP1-2407-184-6

TM-30-18

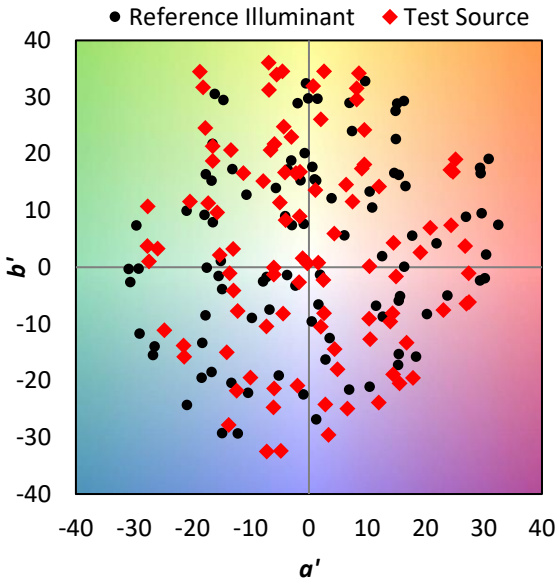
Summary

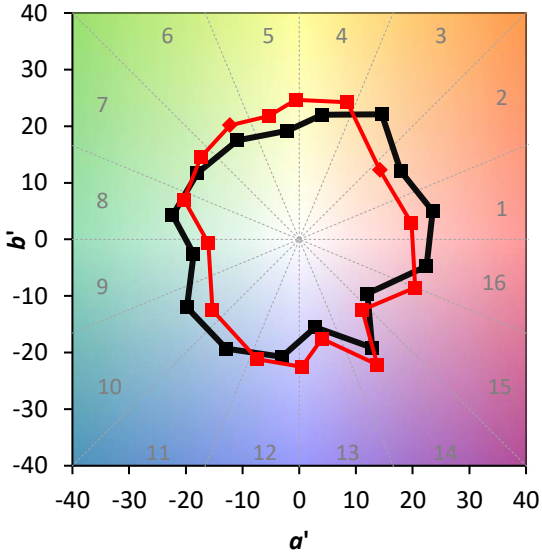
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

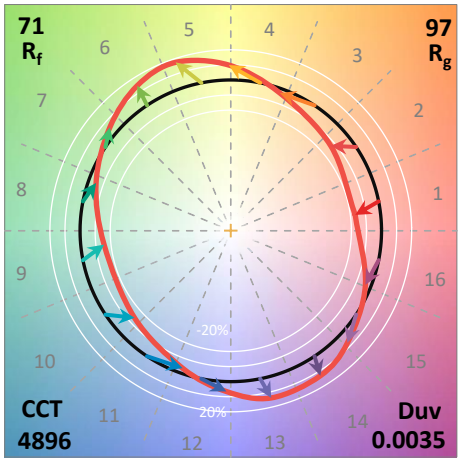
Spectral Power Distribution Comparison

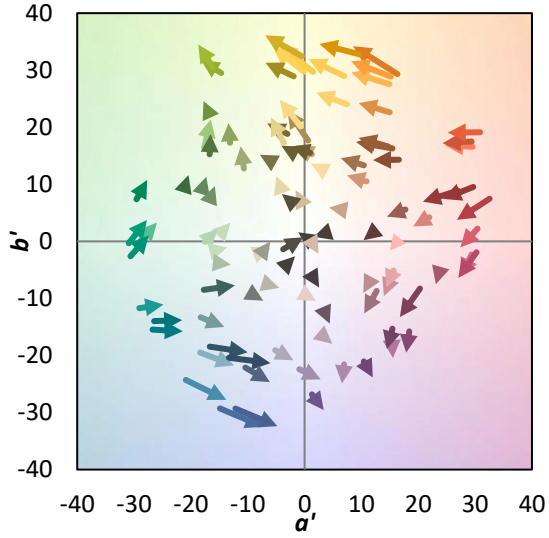


Color Vector Graphics







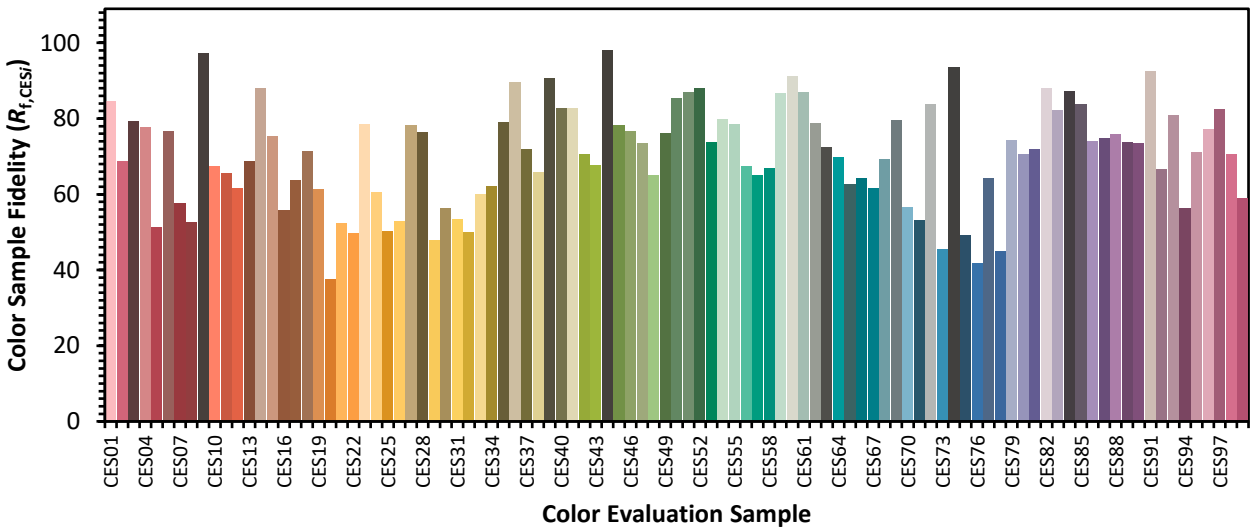


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Individual Sample Fidelity Index ($R_{f,i}$)

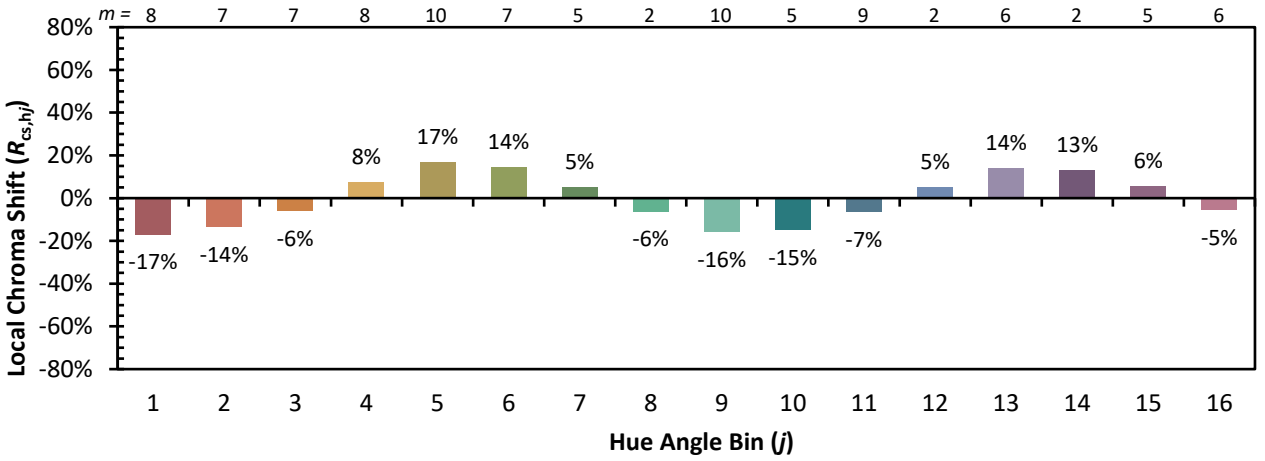
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

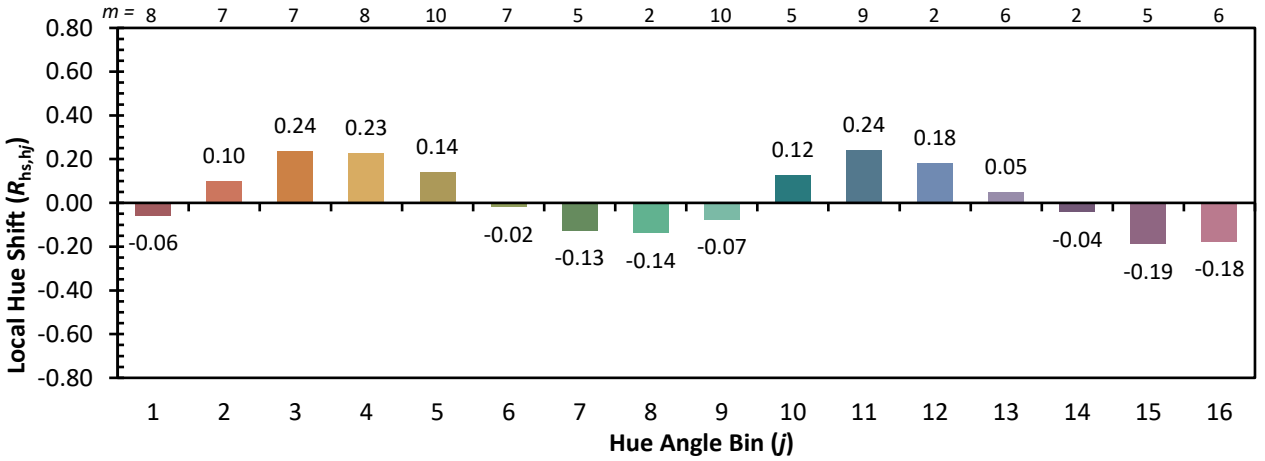


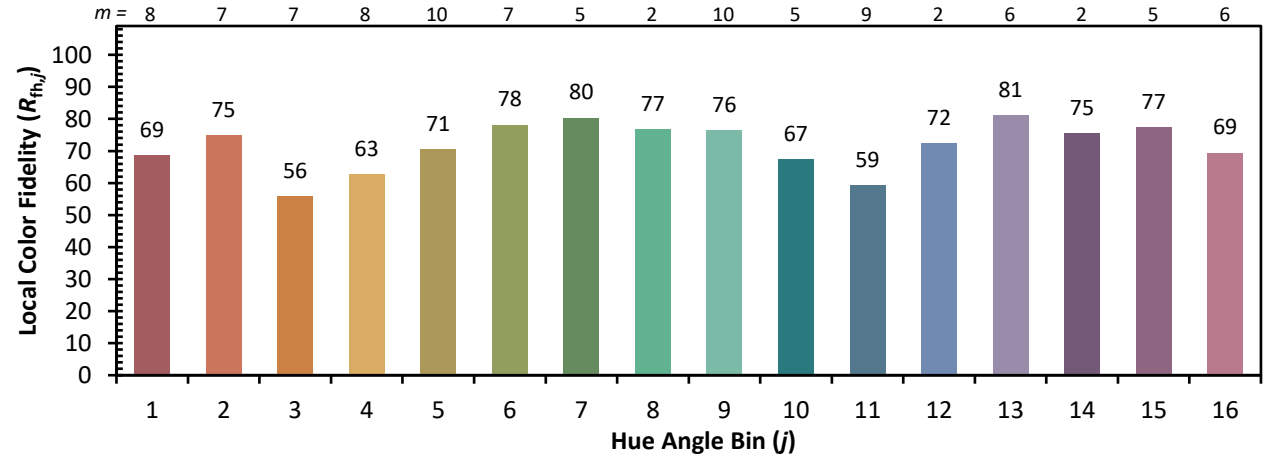
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Color Rendition by Hue-Angle Bin



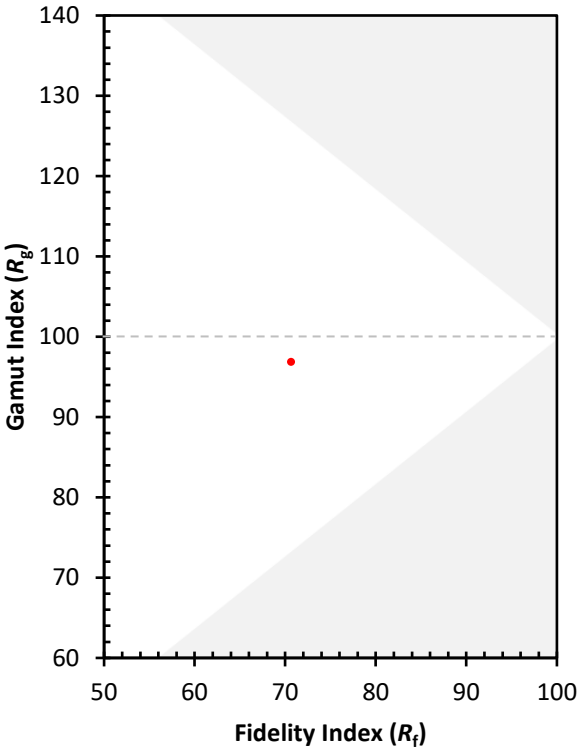


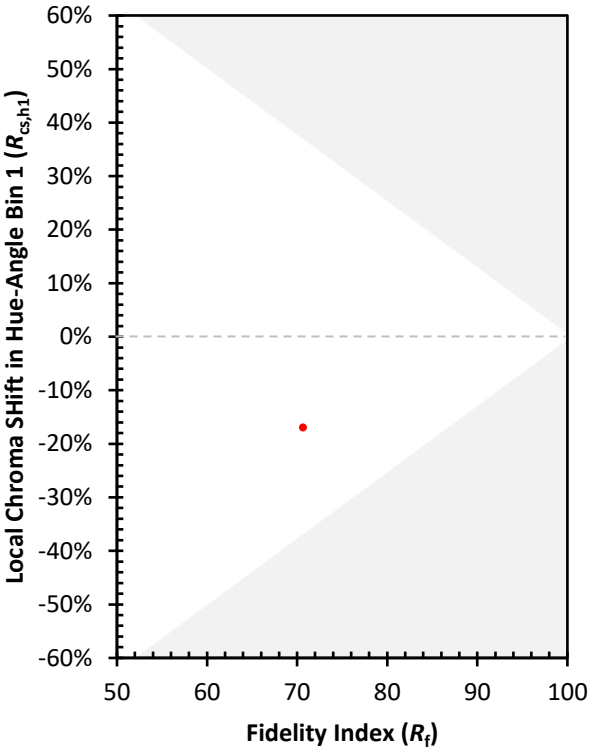


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Measure Comparisons





(END OF REPORT)