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: P1501718

Luminaire Tested: GSS-SB3B-740-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501718
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13542.9 lumens
Efficiency:	N/A
Efficacy:	124.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

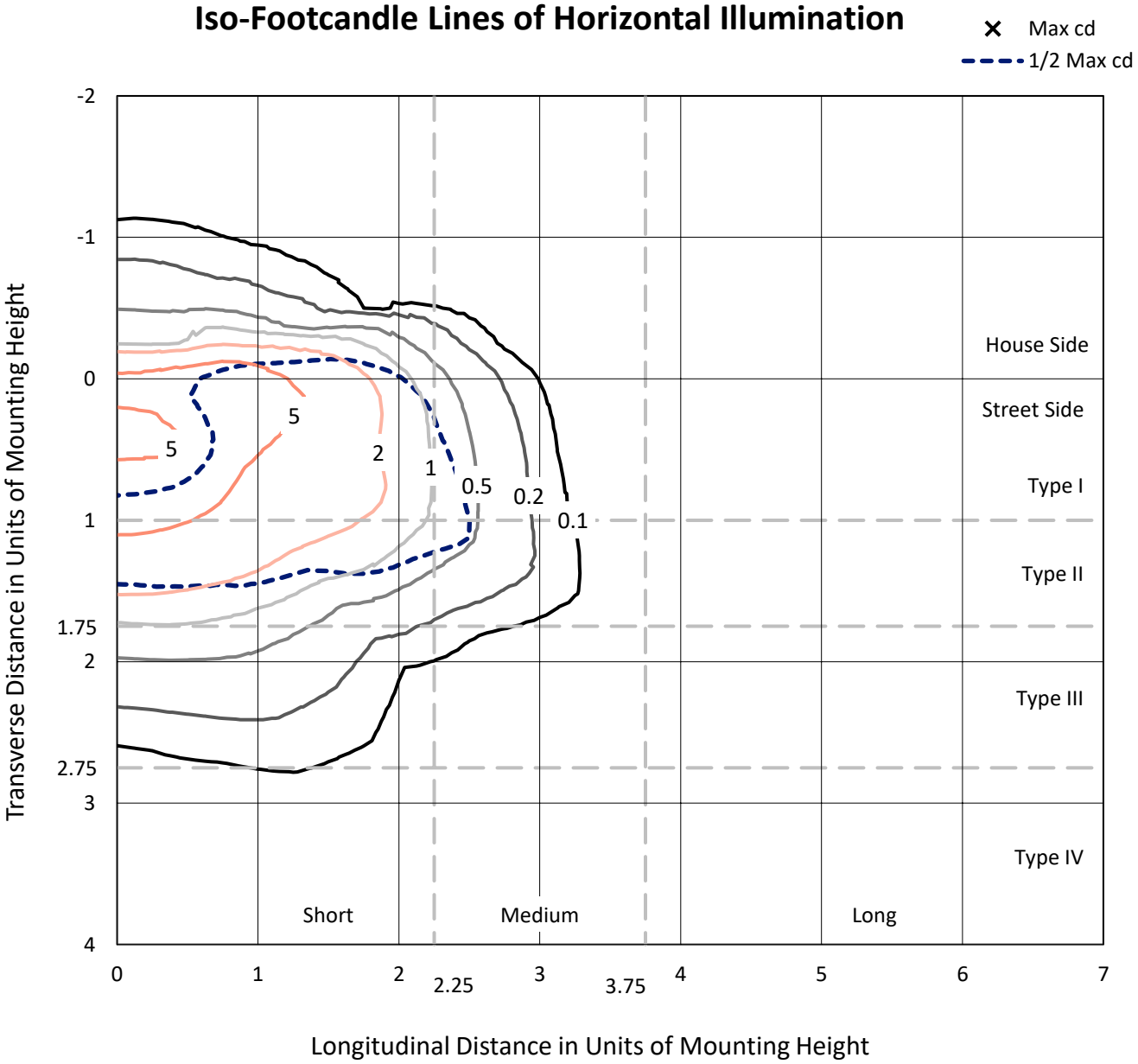
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



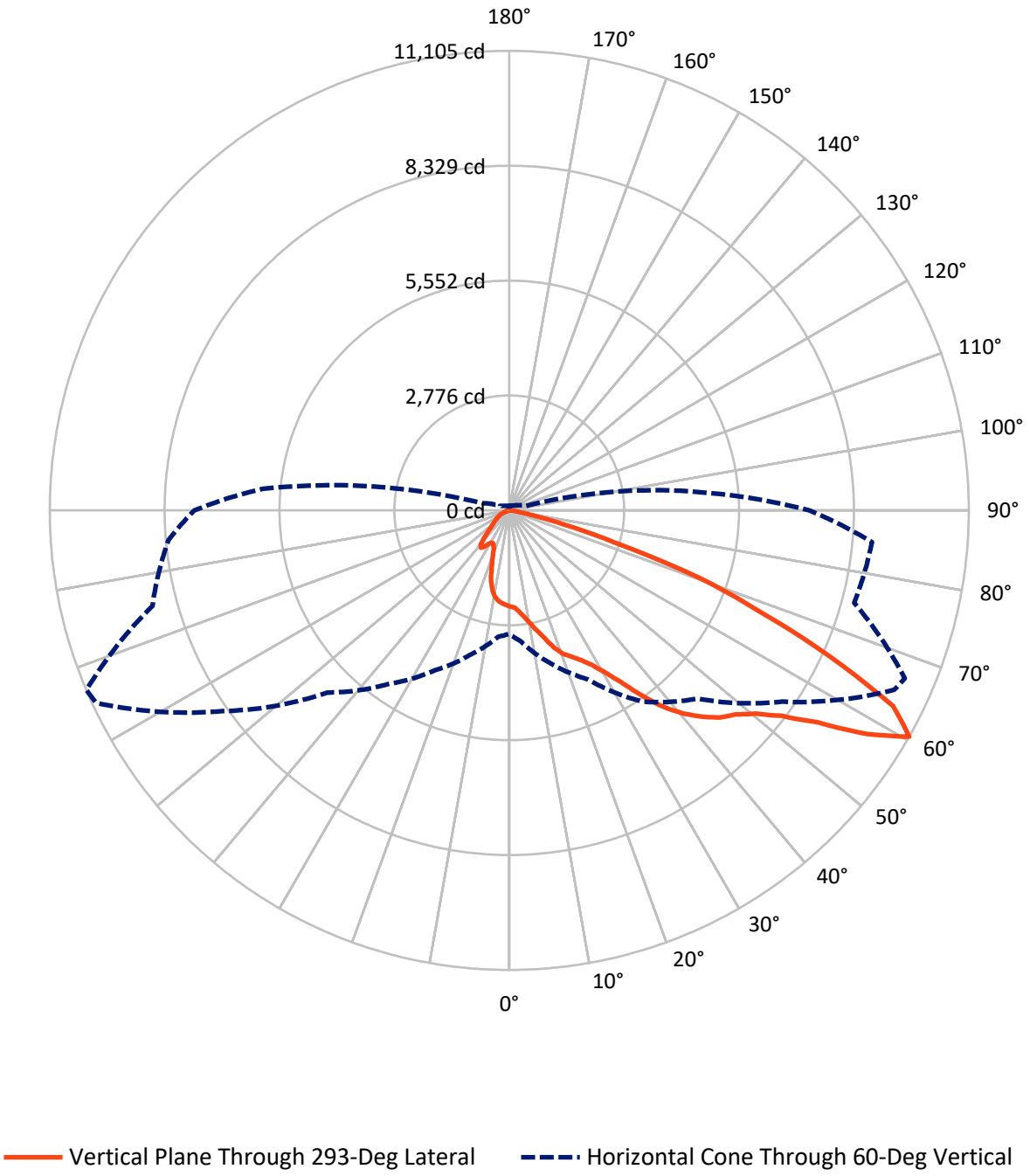
Based on 20 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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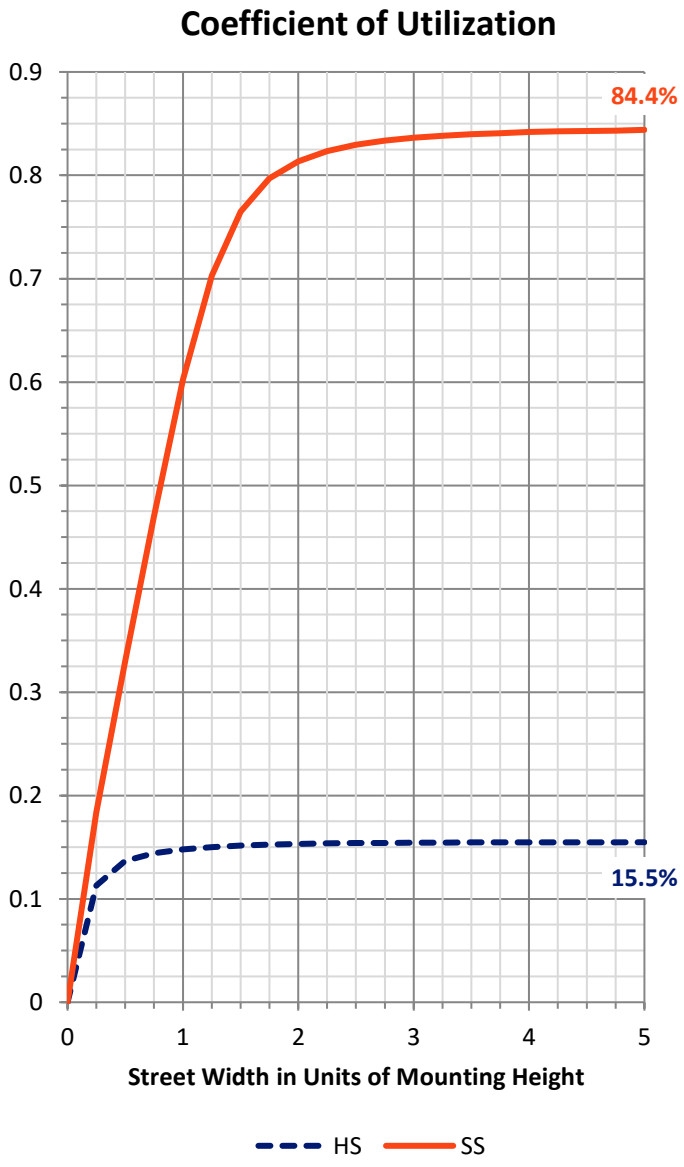
REPORT NUMBER: P1501718
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2113.0	0.0	2113.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	11429.9	0.0	11429.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	13542.9	0.0	13542.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	1.6
10°-20°	529.3	3.9
20°-30°	988.2	7.3
30°-40°	1959.6	14.5
40°-50°	3124.3	23.1
50°-60°	3732.8	27.6
60°-70°	2447.1	18.1
70°-80°	512.7	3.8
80°-90°	38.8	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°	13542.9	100.0
0°-180°	13542.9	100.0



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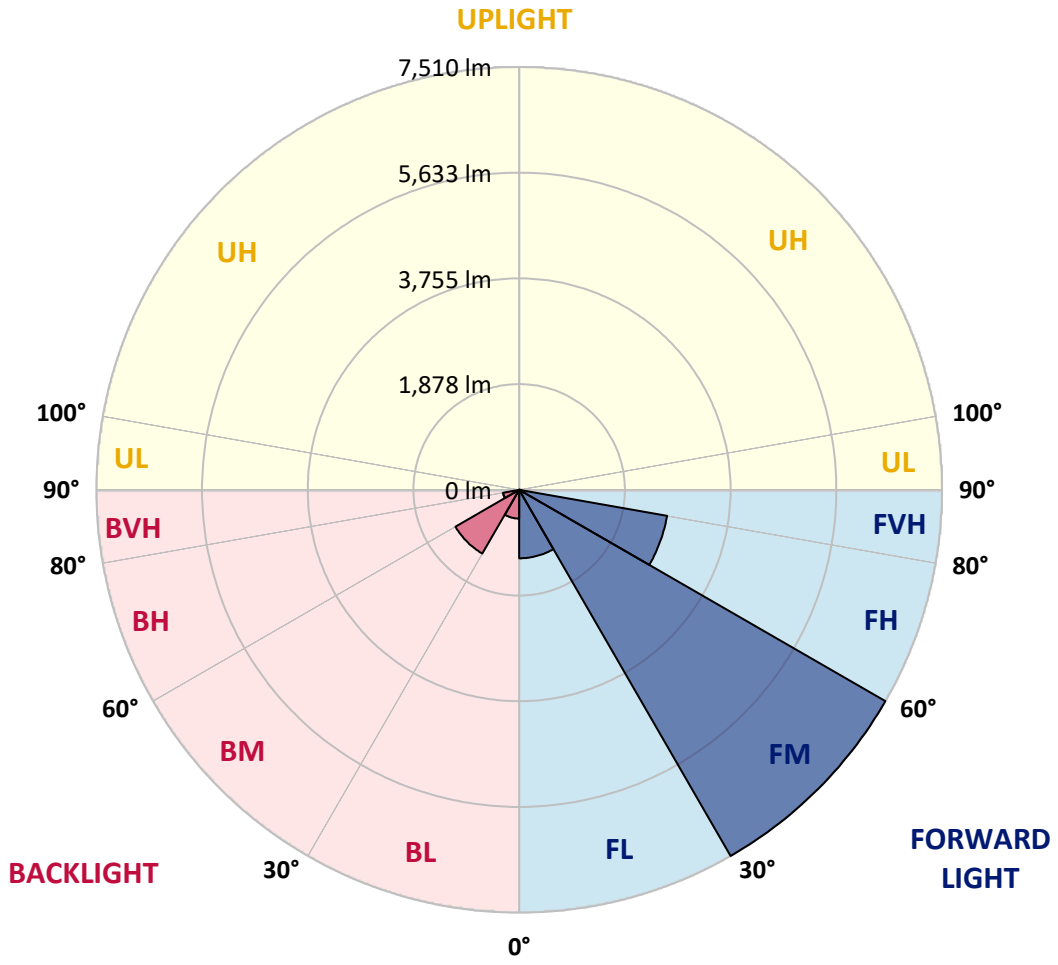
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1216.4	9.0			
FM	(30°-60°)	7510.0	55.5			
FH	(60°-80°)	2667.9	19.7			G2/5000
FVH	(80°-90°)	35.5	0.3			G1/100
BL	(0°-30°)	511.2	3.8	B2/1000		
BM	(30°-60°)	1306.7	9.6	B2/2500		
BH	(60°-80°)	291.9	2.2	B1/500		G1/500
BVH	(80°-90°)	3.3	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°	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1
2.5°	2438.7	2431.1	2419.7	2423.5	2419.7	2404.6	2381.8	2362.8	2378.0	2355.2	2340.1
5°	2510.7	2510.7	2503.2	2503.2	2507.0	2499.4	2484.2	2457.7	2461.4	2442.5	2393.2
7.5°	2510.7	2499.4	2518.3	2537.3	2571.4	2590.4	2598.0	2582.8	2590.4	2552.5	2488.0
10°	2362.8	2355.2	2404.6	2476.6	2575.2	2662.5	2719.3	2723.1	2734.5	2696.6	2620.7
12.5°	2048.0	2032.9	2131.5	2268.0	2469.0	2670.0	2829.3	2890.0	2916.6	2901.4	2795.2
15°	1756.0	1775.0	1843.2	1991.2	2260.4	2567.6	2890.0	3091.0	3129.0	3147.9	3022.8
17.5°	1725.7	1729.5	1752.2	1824.3	2029.1	2400.8	2897.6	3299.6	3352.7	3436.2	3265.5
20°	1809.1	1801.5	1824.3	1847.0	1945.6	2252.8	2825.5	3500.6	3603.0	3781.3	3595.5
22.5°	1964.6	1964.6	1976.0	1991.2	2040.5	2241.5	2795.2	3686.5	3860.9	4225.0	4008.9
25°	2226.3	2196.0	2203.5	2184.6	2226.3	2378.0	2863.5	3834.4	4073.3	4718.1	4501.9
27.5°	2632.1	2643.5	2575.2	2472.8	2495.6	2624.5	3030.3	4001.3	4293.3	5230.1	5002.5
30°	3193.4	3174.5	3132.7	2931.7	2840.7	2954.5	3337.5	4274.3	4589.1	5878.6	5670.0
32.5°	3633.4	3686.5	3614.4	3474.1	3333.8	3367.9	3769.9	4714.3	4949.4	6474.1	6360.3
35°	4164.4	4164.4	4179.5	3982.3	3887.5	3879.9	4312.3	5192.2	5427.3	7012.6	7092.3
37.5°	4881.2	4831.9	4748.4	4528.4	4456.4	4551.2	4820.5	5685.2	5939.3	7448.8	7661.2
40°	5484.2	5518.3	5507.0	5188.4	5048.0	5150.4	5389.4	6106.2	6303.4	7729.5	8120.1
42.5°	6075.9	6094.8	6045.5	5893.8	5689.0	5696.6	5893.8	6424.8	6625.8	7998.7	8552.5
45°	6519.6	6515.8	6481.7	6443.7	6322.4	6197.2	6231.4	6777.5	6952.0	8086.0	8787.6
47.5°	6659.9	6690.3	6720.6	6826.8	6910.2	6713.0	6538.6	6967.1	7126.4	8070.8	8874.8
50°	6531.0	6595.5	6743.4	6902.7	7187.1	7171.9	6796.5	7171.9	7327.4	8154.2	8977.3
52.5°	6242.7	6307.2	6504.4	6792.7	7221.2	7433.6	7274.3	7517.1	7699.1	8366.6	9189.6
55°	5571.4	5598.0	6003.8	6383.1	7050.6	7319.9	7786.4	8101.1	8252.9	8624.5	9470.3
57.5°	4536.0	4600.5	4998.7	5616.9	6572.7	7020.2	8078.4	9098.6	9094.8	8871.1	9531.0
60°	*2984.8*	*3174.5*	*3823.0*	*4505.7*	*5647.3*	*6432.4*	*8059.4*	*10266.8*	*10384.3*	*8628.3*	*8799.0*
62.5°	2279.4	2359.0	2726.9	3295.8	4179.5	5332.5	7934.3	10615.7	10706.7	7976.0	7702.9
65°	1714.3	1812.9	2165.6	2673.8	2950.7	3614.4	7115.0	9227.6	9352.7	7118.8	5988.6
67.5°	1050.6	1130.2	1600.5	2196.0	2233.9	2245.3	4801.5	6989.9	7035.4	5742.1	4031.6
70°	701.6	781.3	1107.5	1687.7	1778.8	1293.3	2635.9	5290.8	5287.0	3929.2	2450.1
72.5°	405.8	443.7	701.6	1244.0	1399.5	823.0	1316.1	3364.1	3216.2	1847.0	1145.4
75°	231.4	257.9	386.9	800.3	982.3	523.4	519.6	1801.5	1592.9	952.0	625.8
77.5°	140.3	151.7	212.4	523.4	591.7	352.7	288.2	838.2	807.8	557.5	330.0
80°	68.3	79.6	129.0	307.2	379.3	189.6	174.5	330.0	352.7	307.2	174.5
82.5°	22.8	30.3	72.1	117.6	246.5	75.9	72.1	182.0	193.4	182.0	83.4
85°	11.4	15.2	34.1	37.9	94.8	37.9	26.5	79.6	98.6	60.7	34.1
87.5°	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6	7.6
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°	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1
2.5°	2328.7	2321.1	2305.9	2279.4	2275.6	2256.6	2226.3	2207.3	2192.2	2203.5	2207.3
5°	2370.4	2351.5	2305.9	2233.9	2158.0	2082.2	2010.1	1926.7	1869.8	1862.2	1847.0
7.5°	2446.3	2408.3	2309.7	2169.4	1976.0	1793.9	1581.5	1376.7	1274.3	1259.2	1225.0
10°	2567.6	2503.2	2340.1	2055.6	1683.9	1304.7	982.3	762.3	637.2	614.4	622.0
12.5°	2711.8	2620.7	2343.9	1862.2	1281.9	807.8	557.5	474.1	447.5	436.2	436.2
15°	2897.6	2764.9	2340.1	1611.9	864.7	519.6	447.5	413.4	402.0	394.4	394.4
17.5°	3132.7	2958.3	2313.5	1236.4	584.1	451.3	409.6	383.1	367.9	364.1	364.1
20°	3409.6	3174.5	2252.8	921.6	489.3	421.0	386.9	352.7	341.3	333.8	333.8
22.5°	3762.3	3436.2	2135.3	716.8	462.7	402.0	364.1	326.2	314.8	307.2	307.2
25°	4171.9	3769.9	1979.8	644.8	458.9	386.9	341.3	303.4	292.0	288.2	284.5
27.5°	4657.4	4126.4	1835.7	648.5	466.5	375.5	318.6	284.5	273.1	261.7	265.5
30°	5230.1	4494.3	1718.1	694.1	474.1	364.1	303.4	273.1	261.7	246.5	246.5
32.5°	5795.2	4926.7	1706.7	777.5	500.6	356.5	288.2	257.9	246.5	235.1	235.1
35°	6375.5	5321.1	1771.2	887.5	553.7	345.1	269.3	242.7	231.4	223.8	220.0
37.5°	6929.2	5635.9	1831.9	955.8	523.4	295.8	246.5	223.8	212.4	197.2	197.2
40°	7297.1	5806.6	1843.2	902.7	432.4	265.5	223.8	201.0	185.8	178.3	174.5
42.5°	7566.4	5916.6	1714.3	732.0	375.5	242.7	204.8	182.0	170.7	163.1	163.1
45°	7676.4	5878.6	1494.3	557.5	345.1	223.8	185.8	166.9	159.3	151.7	151.7
47.5°	7661.2	5704.2	1270.5	447.5	314.8	204.8	174.5	159.3	151.7	144.1	140.3
50°	7634.6	5541.1	1043.0	398.2	280.7	193.4	163.1	151.7	140.3	132.7	129.0
52.5°	7809.1	5488.0	864.7	364.1	261.7	185.8	159.3	144.1	132.7	125.2	125.2
55°	7983.6	5510.8	678.9	341.3	242.7	182.0	155.5	140.3	129.0	117.6	117.6
57.5°	7972.2	5412.1	515.8	318.6	227.6	178.3	151.7	136.5	117.6	110.0	110.0
60°	*7247.8*	*4828.1*	*402.0*	*292.0*	*208.6*	*166.9*	*140.3*	*129.0*	*110.0*	*98.6*	*98.6*
62.5°	6129.0	3796.5	330.0	257.9	185.8	151.7	129.0	117.6	98.6	79.6	79.6
65°	4528.4	2738.3	265.5	223.8	170.7	132.7	117.6	102.4	79.6	64.5	60.7
67.5°	3064.5	1683.9	212.4	185.8	151.7	113.8	98.6	87.2	72.1	53.1	49.3
70°	1816.7	895.1	155.5	129.0	113.8	83.4	83.4	75.9	60.7	45.5	41.7
72.5°	864.7	311.0	113.8	94.8	87.2	60.7	64.5	64.5	49.3	34.1	30.3
75°	439.9	151.7	75.9	68.3	56.9	45.5	53.1	49.3	34.1	22.8	22.8
77.5°	250.3	106.2	53.1	45.5	37.9	30.3	34.1	30.3	19.0	11.4	11.4
80°	140.3	75.9	34.1	30.3	22.8	19.0	19.0	15.2	11.4	3.8	3.8
82.5°	53.1	45.5	22.8	15.2	11.4	11.4	7.6	7.6	3.8	0.0	0.0
85°	22.8	11.4	11.4	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	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°	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1
2.5°	2177.0	2184.6	2192.2	2222.5	2230.1	2252.8	2271.8	2294.6	2298.4	2328.7	2328.7
5°	1877.4	1873.6	1938.1	2032.9	2093.6	2177.0	2241.5	2309.7	2347.7	2397.0	2419.7
7.5°	1244.0	1338.8	1482.9	1649.8	1866.0	2067.0	2218.7	2351.5	2442.5	2499.4	2522.1
10°	618.2	671.3	823.0	1096.1	1464.0	1873.6	2196.0	2442.5	2590.4	2654.9	2696.6
12.5°	436.2	447.5	474.1	622.0	974.7	1555.0	2123.9	2541.1	2745.9	2867.3	2920.4
15°	390.6	398.2	409.6	451.3	603.0	1160.6	1994.9	2651.1	2988.6	3129.0	3197.2
17.5°	360.3	364.1	375.5	409.6	474.1	788.9	1786.3	2768.6	3280.7	3451.3	3580.3
20°	333.8	333.8	345.1	386.9	439.9	606.8	1486.7	2901.4	3652.3	3898.9	4027.8
22.5°	303.4	311.0	318.6	364.1	428.6	553.7	1206.1	3003.8	4065.7	4365.4	4517.1
25°	280.7	288.2	295.8	341.3	417.2	553.7	1043.0	3068.3	4528.4	4885.0	5093.6
27.5°	261.7	269.3	280.7	326.2	405.8	576.5	978.5	3087.2	5032.9	5495.6	5776.2
30°	246.5	254.1	265.5	314.8	413.4	603.0	1001.3	3060.7	5544.9	6125.2	6458.9
32.5°	231.4	238.9	250.3	303.4	413.4	637.2	1077.1	3007.6	6041.7	6754.7	7164.4
35°	220.0	223.8	227.6	273.1	375.5	633.4	1171.9	2954.5	6542.4	7376.7	7854.6
37.5°	197.2	201.0	208.6	235.1	299.6	576.5	1190.9	2890.0	6936.8	7900.1	8427.3
40°	174.5	182.0	189.6	216.2	250.3	466.5	1107.5	2753.5	7145.4	8302.2	8943.1
42.5°	159.3	163.1	170.7	197.2	231.4	371.7	929.2	2514.5	7331.2	8575.2	9318.6
45°	147.9	151.7	159.3	178.3	216.2	322.4	732.0	2222.5	7346.4	8662.5	9500.6
47.5°	136.5	140.3	144.1	163.1	208.6	288.2	561.3	1957.0	7342.6	8776.2	9656.1
50°	129.0	132.7	140.3	155.5	197.2	257.9	462.7	1740.8	7501.9	9022.8	9970.9
52.5°	125.2	125.2	136.5	151.7	185.8	235.1	386.9	1547.4	7585.3	9265.5	10198.5
55°	117.6	121.4	129.0	144.1	174.5	223.8	330.0	1304.7	7623.3	9386.9	10240.2
57.5°	110.0	113.8	125.2	136.5	166.9	212.4	284.5	974.7	7080.9	8753.5	9542.4
60°	*98.6*	*106.2*	*121.4*	*132.7*	*155.5*	*193.4*	*250.3*	*659.9*	*5973.5*	*7608.1*	*8268.0*
62.5°	79.6	94.8	110.0	117.6	140.3	163.1	212.4	439.9	4771.2	6295.8	7046.8
65°	60.7	79.6	91.0	102.4	117.6	136.5	178.3	299.6	3182.1	4236.4	5082.2
67.5°	53.1	68.3	75.9	83.4	98.6	117.6	144.1	208.6	1930.5	2544.9	3379.3
70°	41.7	56.9	64.5	60.7	75.9	91.0	102.4	140.3	986.1	1380.5	1922.9
72.5°	30.3	45.5	49.3	49.3	45.5	64.5	75.9	98.6	428.6	671.3	872.3
75°	22.8	30.3	34.1	30.3	26.5	41.7	53.1	64.5	280.7	402.0	508.2
77.5°	11.4	11.4	19.0	19.0	11.4	22.8	26.5	37.9	159.3	235.1	292.0
80°	3.8	0.0	0.0	3.8	0.0	7.6	11.4	19.0	83.4	125.2	182.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	41.7	37.9	94.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	22.8
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: P1501718
CATALOG NUMBER: GSS-SB3B-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1
2.5°	2347.7	2347.7	2362.8	2385.6	2397.0	2404.6	2408.3	2415.9	2446.3	2438.7
5°	2446.3	2453.9	2465.2	2488.0	2514.5	2507.0	2507.0	2507.0	2525.9	2510.7
7.5°	2575.2	2598.0	2601.8	2628.3	2609.4	2571.4	2548.7	2514.5	2510.7	2510.7
10°	2783.8	2776.2	2776.2	2742.1	2673.8	2563.8	2465.2	2397.0	2359.0	2362.8
12.5°	3007.6	2977.2	2981.0	2855.9	2662.5	2419.7	2218.7	2070.8	2059.4	2048.0
15°	3284.5	3204.8	3189.6	2901.4	2491.8	2120.1	1922.9	1805.3	1767.4	1756.0
17.5°	3678.9	3477.9	3405.8	2821.7	2268.0	1934.3	1786.3	1733.3	1729.5	1725.7
20°	4096.1	3697.9	3561.3	2704.2	2192.2	1938.1	1828.1	1812.9	1805.3	1809.1
22.5°	4581.5	3838.2	3663.7	2723.1	2260.4	2063.2	1976.0	1964.6	1957.0	1964.6
25°	5082.2	4001.3	3785.1	2874.8	2465.2	2294.6	2192.2	2169.4	2192.2	2226.3
27.5°	5586.6	4221.2	4024.0	3174.5	2795.2	2609.4	2510.7	2594.2	2628.3	2632.1
30°	6034.1	4528.4	4346.4	3595.5	3170.7	2984.8	3003.8	3110.0	3151.7	3193.4
32.5°	6443.7	4938.1	4797.7	4073.3	3656.1	3546.1	3534.8	3614.4	3659.9	3633.4
35°	6857.1	5472.8	5336.3	4592.9	4251.6	4160.6	4065.7	4221.2	4206.1	4164.4
37.5°	7247.8	6011.4	5886.2	5150.4	4797.7	4638.4	4623.3	4763.6	4888.8	4881.2
40°	7528.5	6447.5	6295.8	5704.2	5370.4	5233.9	5313.5	5556.3	5525.9	5484.2
42.5°	7786.4	6819.2	6682.7	6189.6	5840.7	5901.4	5973.5	6136.5	6117.6	6075.9
45°	7907.7	7137.8	7020.2	6557.5	6386.9	6580.3	6576.5	6637.2	6534.8	6519.6
47.5°	8078.4	7365.4	7244.0	6887.5	7039.2	7118.8	6895.1	6830.6	6735.8	6659.9
50°	8393.2	7718.1	7596.7	7388.1	7517.1	7270.5	6997.5	6857.1	6663.7	6531.0
52.5°	8761.1	8252.9	8146.7	8063.2	7702.9	7194.7	6845.8	6591.7	6356.5	6242.7
55°	9223.8	9041.7	8965.9	8507.0	7536.0	6883.7	6474.1	6000.0	5677.6	5571.4
57.5°	9375.5	10198.5	10171.9	8579.0	7069.5	6318.6	5579.0	4938.1	4604.3	4536.0
60°	8927.9	11104.9	11010.1	8457.7	6223.8	5127.7	4263.0	3606.8	3064.5	2984.8
62.5°	8355.3	10410.9	10376.7	7847.0	4740.8	3675.1	3185.8	2571.4	2340.1	2279.4
65°	7156.8	8518.3	8533.5	6295.8	3000.0	2639.7	2616.9	2044.2	1759.8	1714.3
67.5°	5510.8	6534.8	6428.6	3959.5	1748.4	2112.5	2089.8	1494.3	1080.9	1050.6
70°	3220.0	4866.0	4695.3	2059.4	1156.8	1763.6	1608.1	1050.6	735.8	701.6
72.5°	1422.3	2677.6	2874.8	906.4	815.4	1403.3	1160.6	644.8	413.4	405.8
75°	788.9	1327.4	1388.1	394.4	572.7	997.5	701.6	360.3	235.1	231.4
77.5°	474.1	587.9	572.7	254.1	428.6	637.2	424.8	204.8	147.9	140.3
80°	265.5	269.3	227.6	185.8	254.1	356.5	238.9	129.0	68.3	68.3
82.5°	163.1	147.9	117.6	56.9	68.3	216.2	87.2	72.1	22.8	22.8
85°	68.3	45.5	30.3	11.4	26.5	56.9	30.3	34.1	11.4	11.4
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

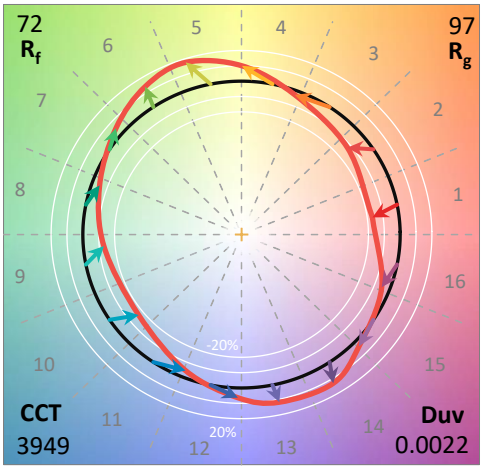
Test Information

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

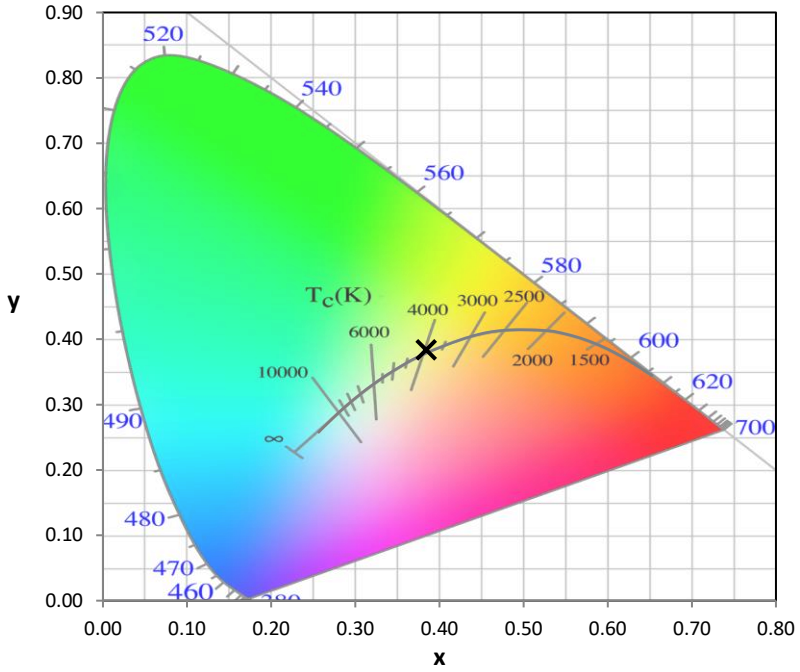
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

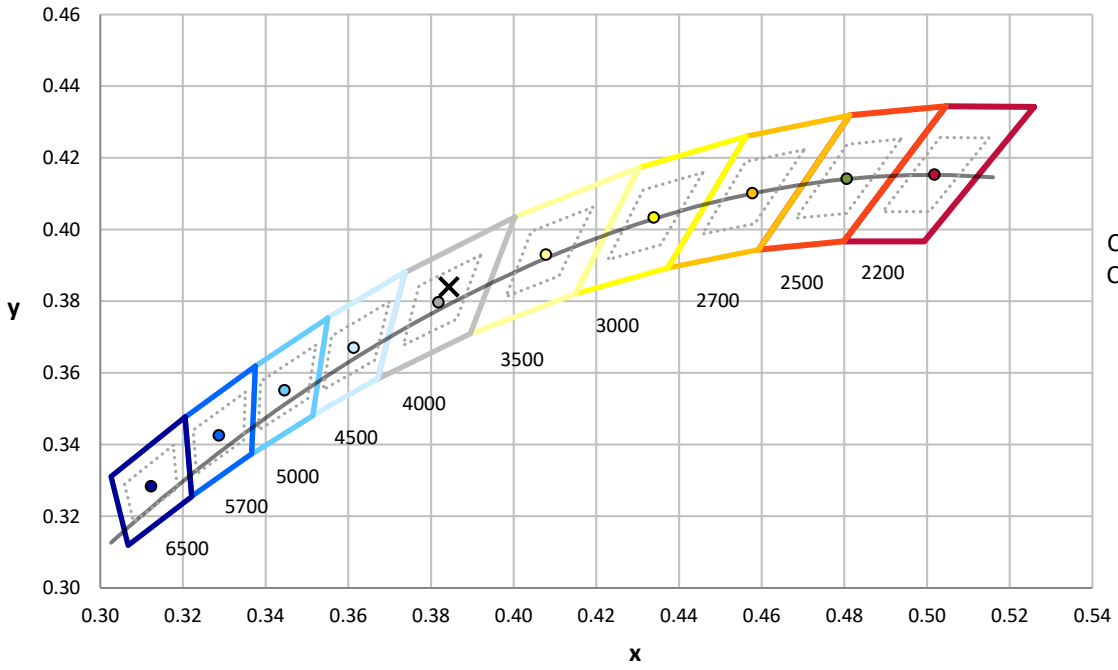
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

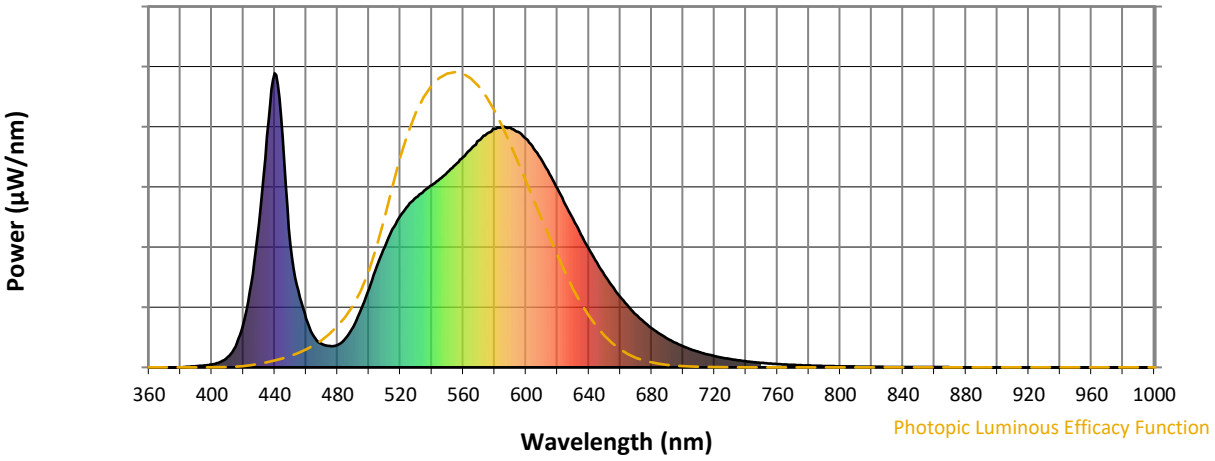


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

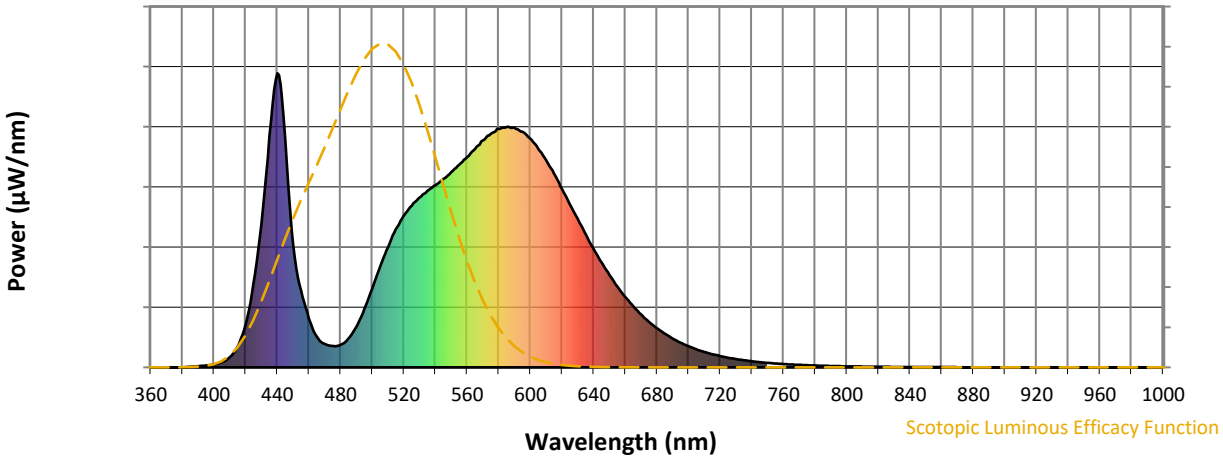


Photopic Lumens: NR

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

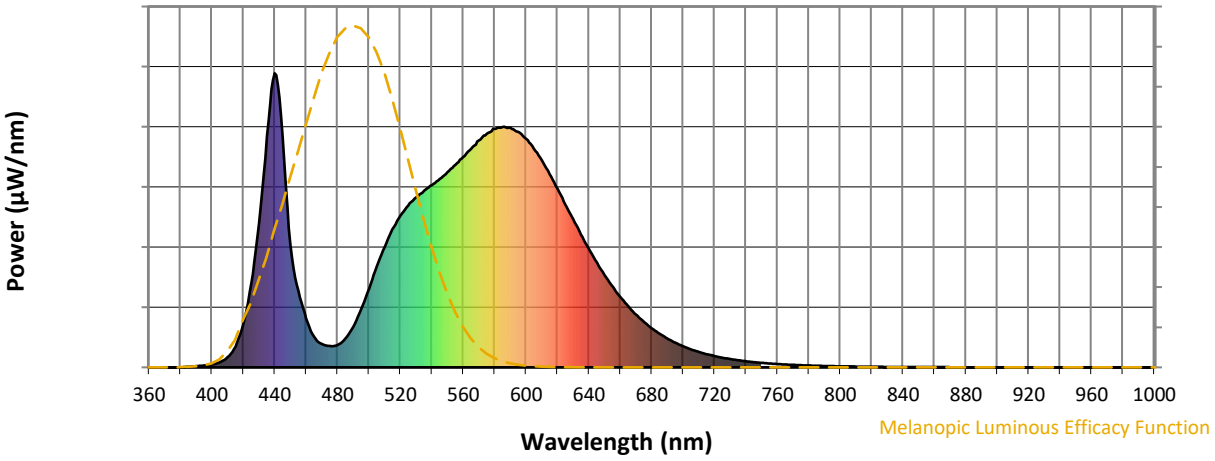


Scotopic Lumens: NR **S/P: 1.47**

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			

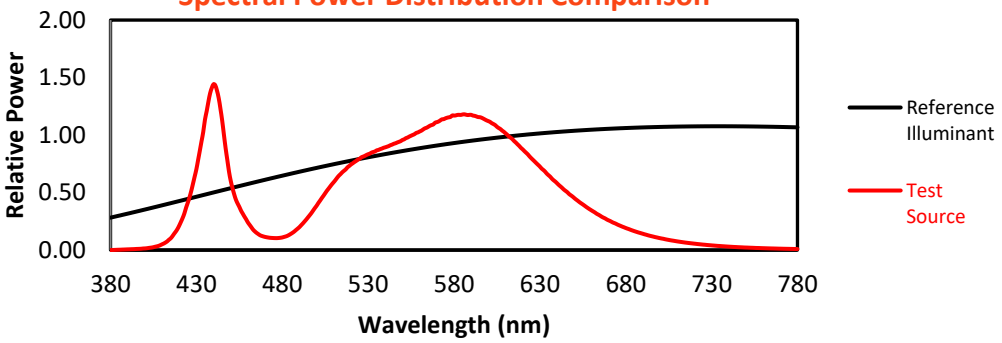
REPORT NUMBER: SP1-2407-184-1

TM-30-18

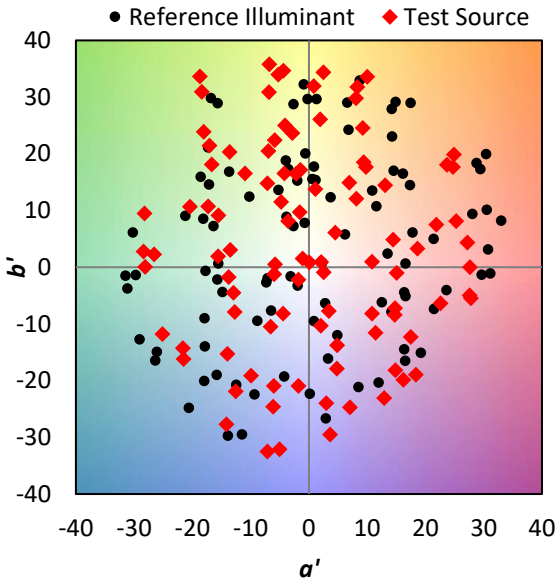
Summary

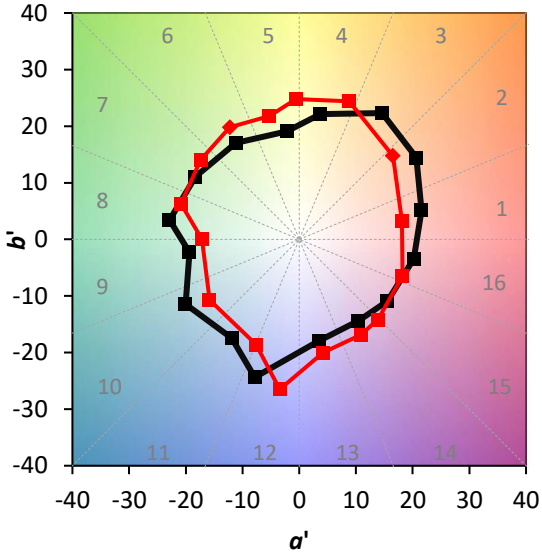
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

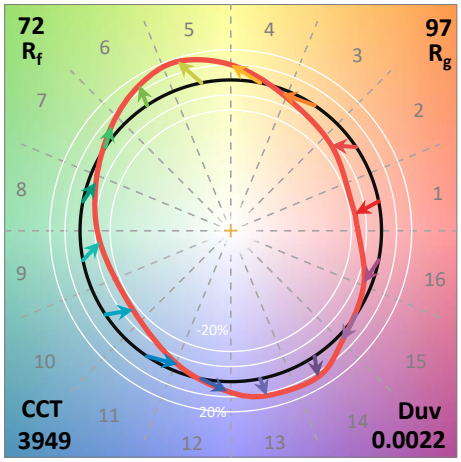
Spectral Power Distribution Comparison

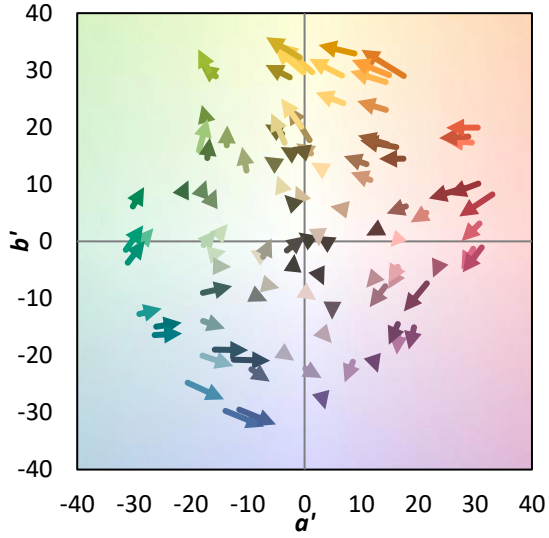


Color Vector Graphics







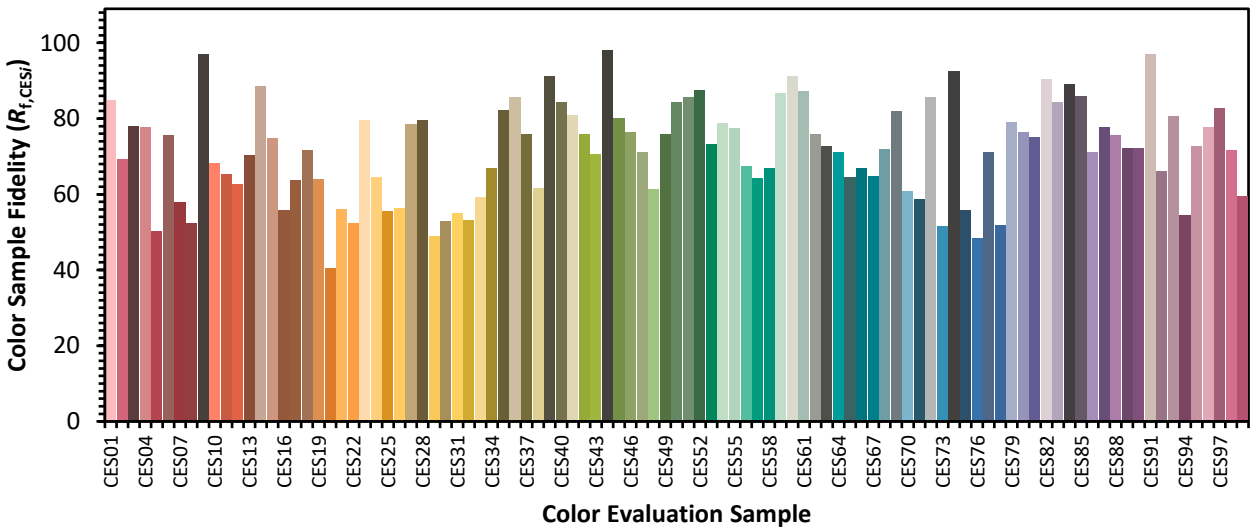


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

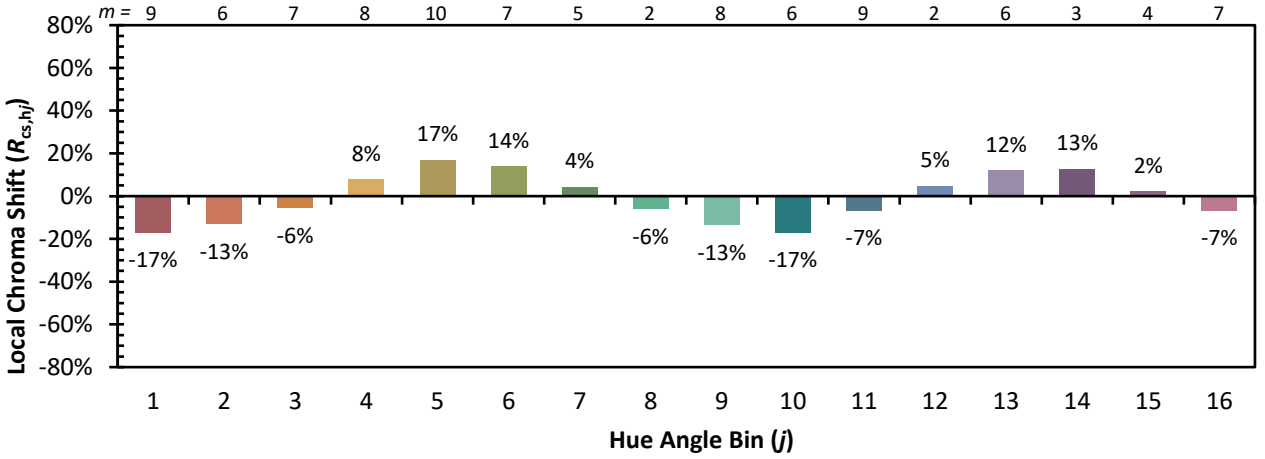
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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

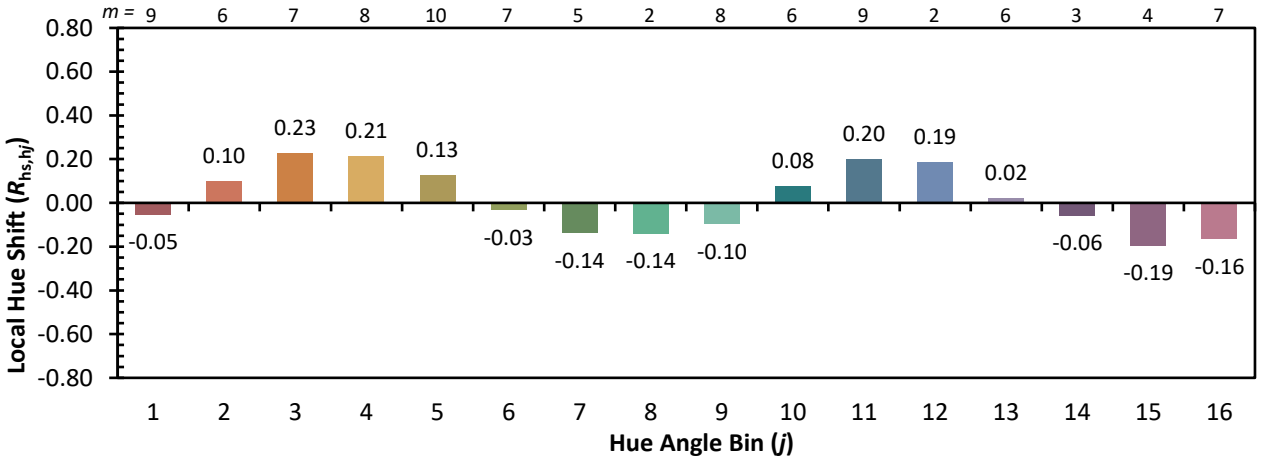


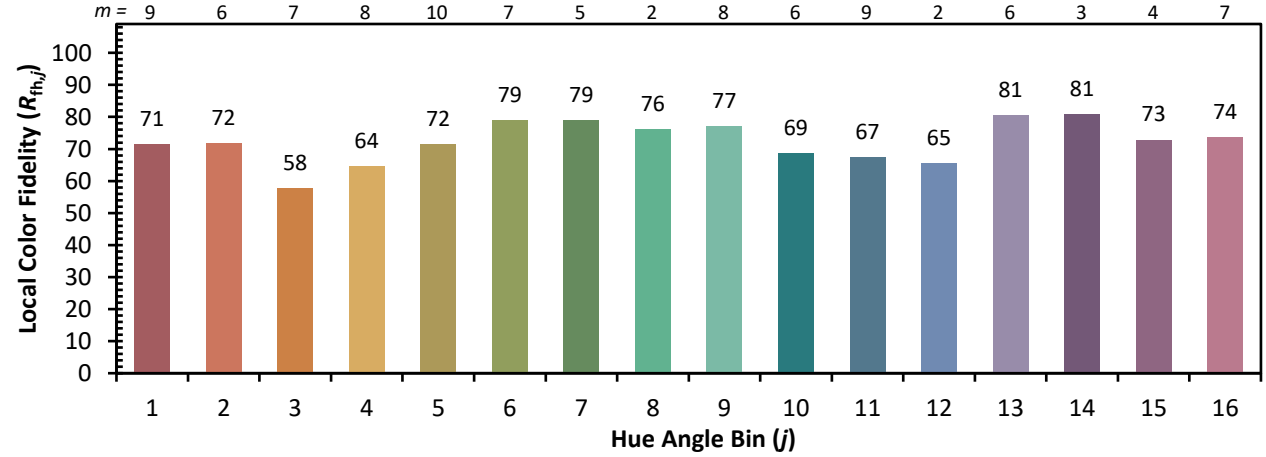
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Color Rendition by Hue-Angle Bin



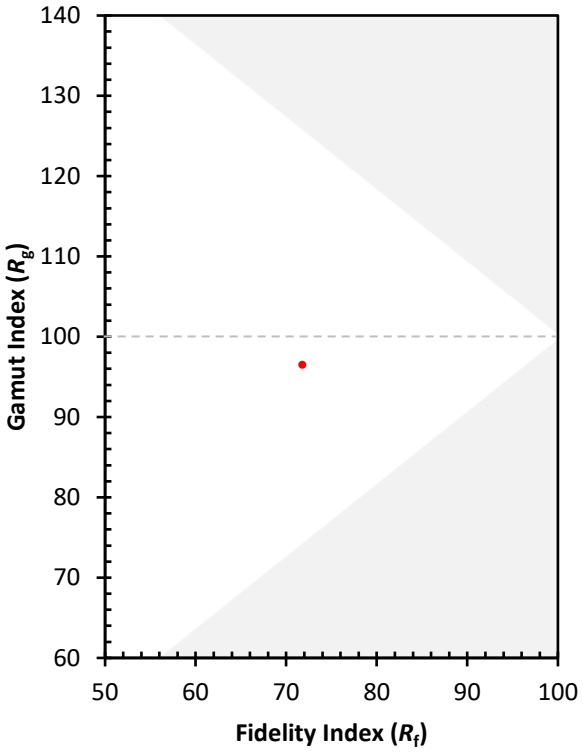


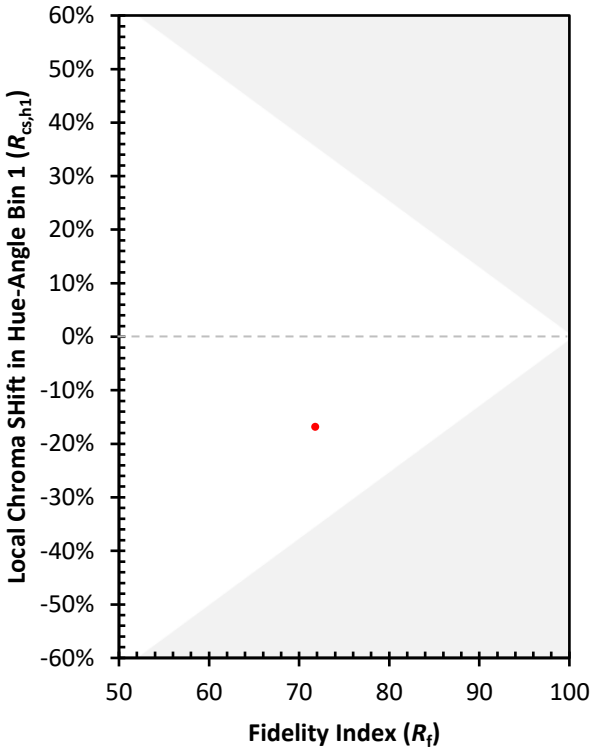


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Measure Comparisons





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