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: P1501743

Luminaire Tested: GSS-SB3C-722-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501743
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13948.1 lumens
Efficiency:	N/A
Efficacy:	93.0 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

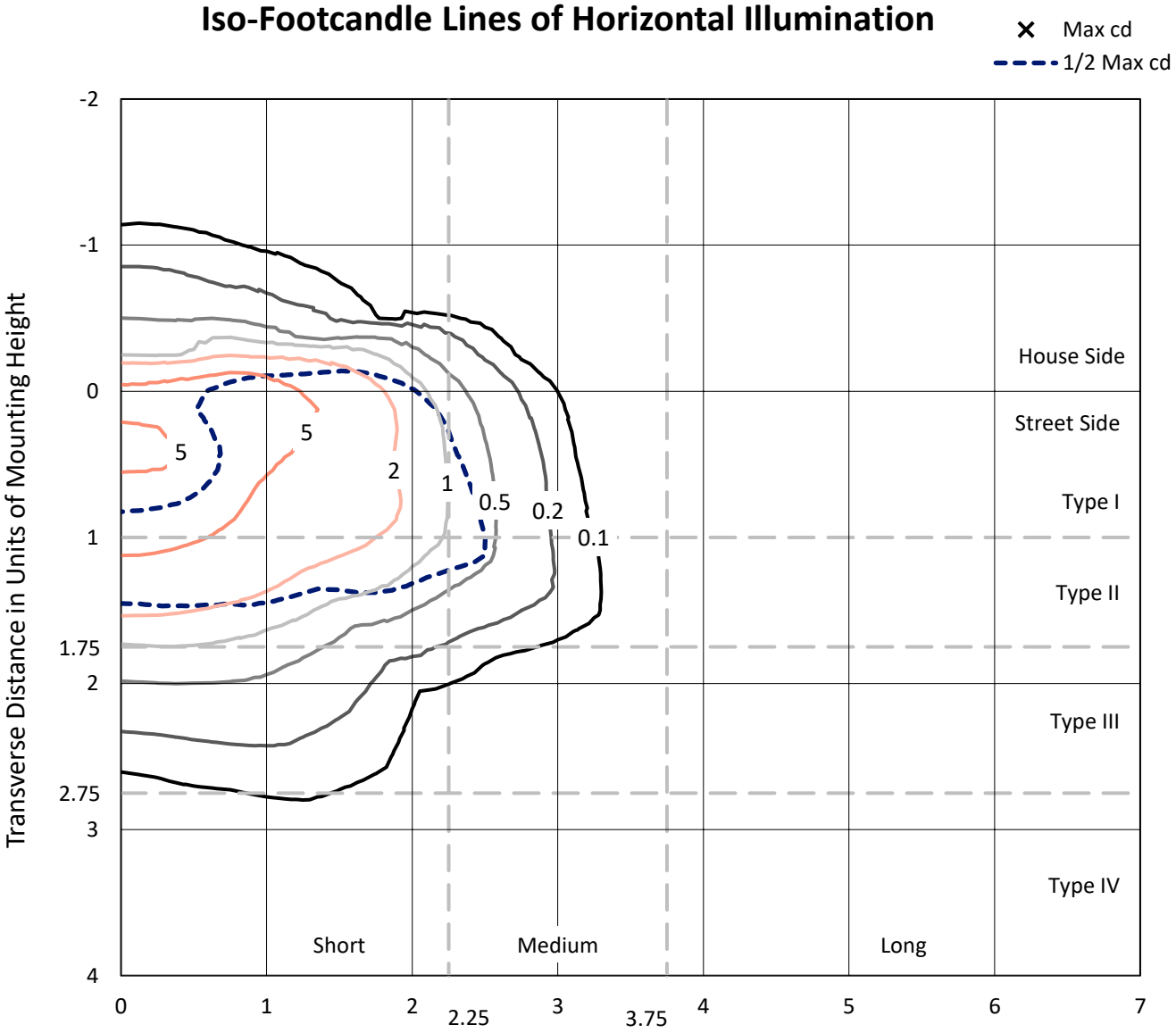
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



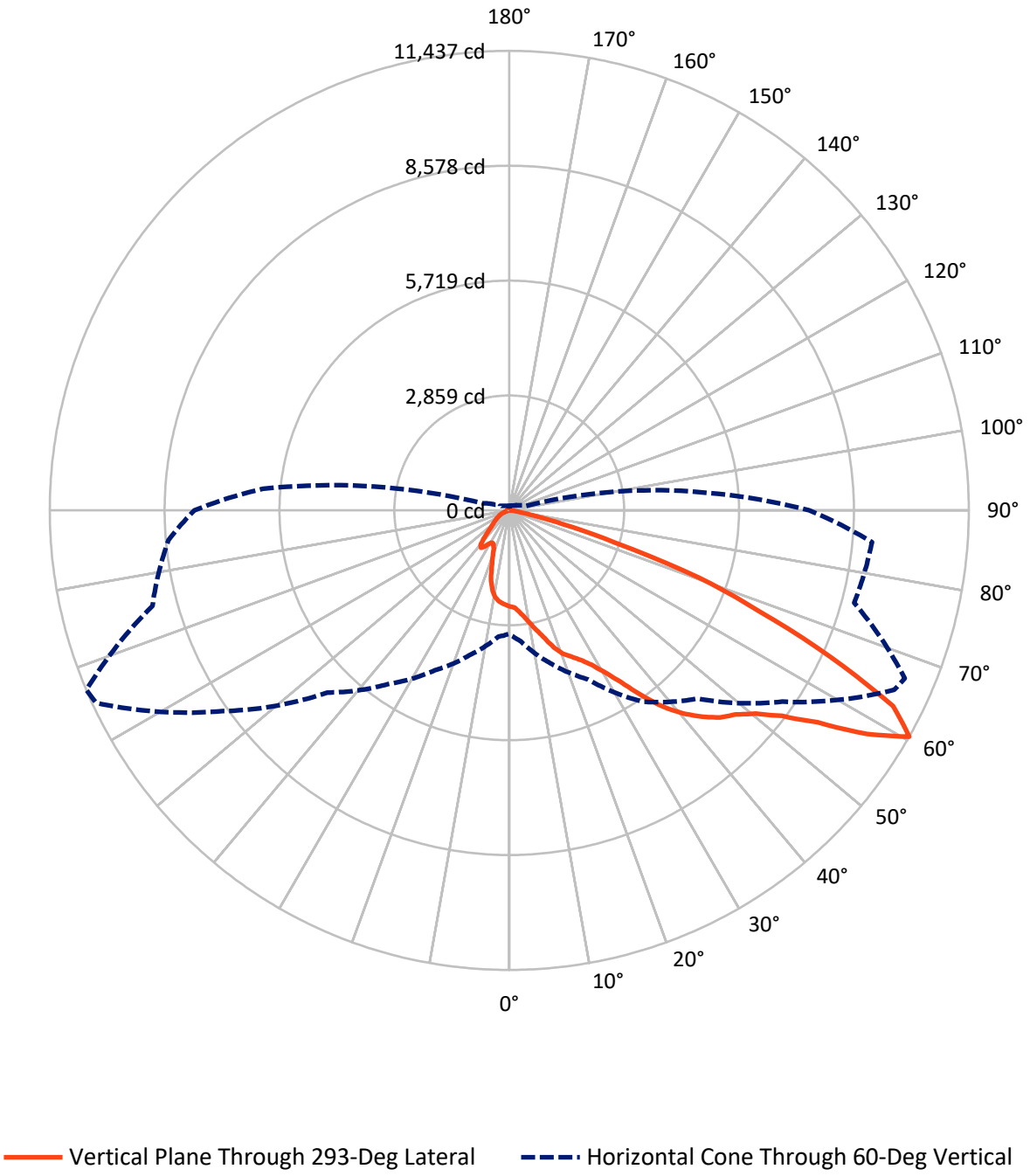
Based on 20 foot mounting height. Maximum calculated value = 9.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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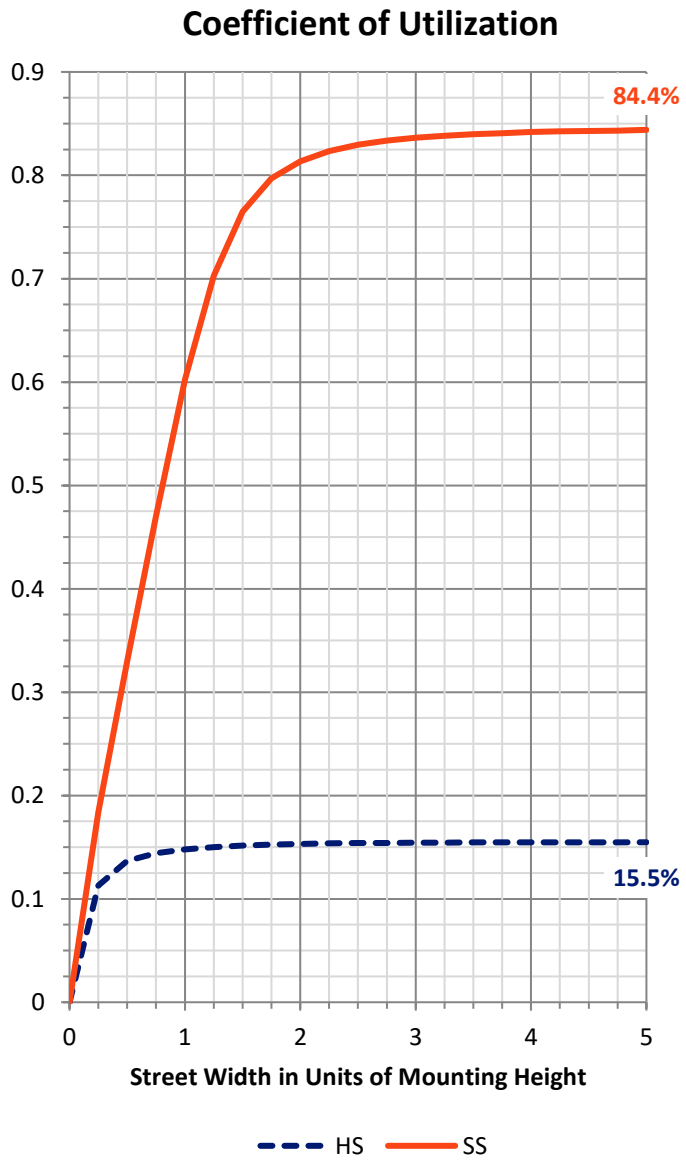
REPORT NUMBER: P1501743
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2176.2	0.0	2176.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	11771.8	0.0	11771.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	13948.1	0.0	13948.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.4	1.6
10°-20°	545.2	3.9
20°-30°	1017.7	7.3
30°-40°	2018.2	14.5
40°-50°	3217.8	23.1
50°-60°	3844.5	27.6
60°-70°	2520.3	18.1
70°-80°	528.0	3.8
80°-90°	39.9	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°	13948.1	100.0
0°-180°	13948.1	100.0



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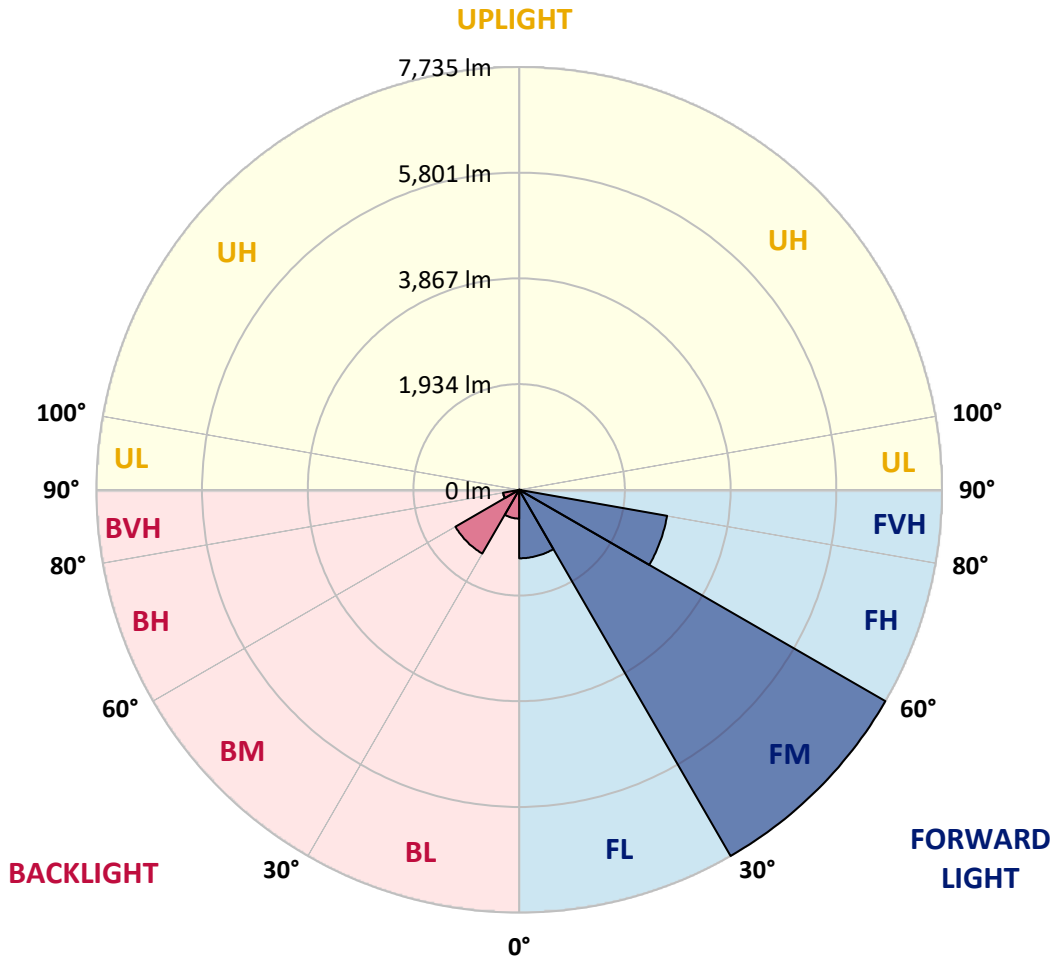
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1252.8	9.0			
FM	(30°-60°)	7734.7	55.5			
FH	(60°-80°)	2747.7	19.7			G2/5000
FVH	(80°-90°)	36.6	0.3			G1/100
BL	(0°-30°)	526.5	3.8	B2/1000		
BM	(30°-60°)	1345.8	9.6	B2/2500		
BH	(60°-80°)	300.6	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°	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6
2.5°	2511.6	2503.8	2492.1	2496.0	2492.1	2476.5	2453.1	2433.5	2449.1	2425.7	2410.1
5°	2585.9	2585.9	2578.1	2578.1	2582.0	2574.1	2558.5	2531.2	2535.1	2515.6	2464.8
7.5°	2585.9	2574.1	2593.7	2613.2	2648.4	2667.9	2675.7	2660.1	2667.9	2628.8	2562.4
10°	2433.5	2425.7	2476.5	2550.7	2652.3	2742.1	2800.7	2804.6	2816.3	2777.3	2699.1
12.5°	2109.3	2093.7	2195.3	2335.9	2542.9	2749.9	2914.0	2976.5	3003.8	2988.2	2878.8
15°	1808.5	1828.1	1898.4	2050.7	2328.1	2644.5	2976.5	3183.5	3222.6	3242.1	3113.2
17.5°	1777.3	1781.2	1804.6	1878.9	2089.8	2472.6	2984.3	3398.3	3453.0	3539.0	3363.2
20°	1863.2	1855.4	1878.9	1902.3	2003.8	2320.2	2910.1	3605.4	3710.8	3894.4	3703.0
22.5°	2023.4	2023.4	2035.1	2050.7	2101.5	2308.5	2878.8	3796.8	3976.5	4351.4	4128.8
25°	2292.9	2261.7	2269.5	2249.9	2292.9	2449.1	2949.1	3949.1	4195.2	4859.2	4636.6
27.5°	2710.9	2722.6	2652.3	2546.8	2570.2	2703.0	3121.0	4121.0	4421.8	5386.6	5152.2
30°	3289.0	3269.4	3226.5	3019.4	2925.7	3042.9	3437.4	4402.2	4726.4	6054.5	5839.7
32.5°	3742.1	3796.8	3722.6	3578.0	3433.5	3468.7	3882.7	4855.3	5097.5	6667.8	6550.6
35°	4288.9	4288.9	4304.6	4101.4	4003.8	3996.0	4441.3	5347.5	5589.7	7222.5	7304.5
37.5°	5027.2	4976.4	4890.5	4663.9	4589.7	4687.4	4964.7	5855.3	6117.0	7671.7	7890.4
40°	5648.3	5683.4	5671.7	5343.6	5199.1	5304.5	5550.6	6288.9	6492.0	7960.7	8363.0
42.5°	6257.6	6277.2	6226.4	6070.1	5859.2	5867.0	6070.1	6617.0	6824.0	8238.0	8808.3
45°	6714.7	6710.7	6675.6	6636.5	6511.5	6382.6	6417.8	6980.3	7160.0	8327.9	9050.5
47.5°	6859.2	6890.4	6921.7	7031.1	7117.0	6913.9	6734.2	7175.6	7339.6	8312.3	9140.4
50°	6726.4	6792.8	6945.1	7109.2	7402.1	7386.5	6999.8	7386.5	7546.7	8398.2	9245.8
52.5°	6429.5	6495.9	6699.0	6995.9	7437.3	7656.0	7492.0	7742.0	7929.5	8616.9	9464.6
55°	5738.1	5765.5	6183.4	6574.0	7261.5	7538.9	8019.3	8343.5	8499.8	8882.6	9753.6
57.5°	4671.7	4738.1	5148.3	5785.0	6769.3	7230.3	8320.1	9370.8	9366.9	9136.5	9816.1
60°	*3074.1*	*3269.4*	*3937.4*	*4640.5*	*5816.2*	*6624.8*	*8300.5*	*10573.9*	*10695.0*	*8886.5*	*9062.2*
62.5°	2347.6	2429.6	2808.5	3394.4	4304.6	5492.0	8171.6	10933.3	11027.0	8214.6	7933.4
65°	1765.6	1867.1	2230.4	2753.8	3039.0	3722.6	7327.9	9503.6	9632.5	7331.8	6167.8
67.5°	1082.0	1164.0	1648.4	2261.7	2300.7	2312.4	4945.2	7199.0	7245.9	5913.9	4152.2
70°	722.6	804.7	1140.6	1738.2	1832.0	1332.0	2714.8	5449.1	5445.2	4046.8	2523.4
72.5°	418.0	457.0	722.6	1281.2	1441.4	847.6	1355.4	3464.7	3312.4	1902.3	1179.7
75°	238.3	265.6	398.4	824.2	1011.7	539.0	535.1	1855.4	1640.6	980.4	644.5
77.5°	144.5	156.2	218.7	539.0	609.4	363.3	296.9	863.3	832.0	574.2	339.8
80°	70.3	82.0	132.8	316.4	390.6	195.3	179.7	339.8	363.3	316.4	179.7
82.5°	23.4	31.2	74.2	121.1	253.9	78.1	74.2	187.5	199.2	187.5	85.9
85°	11.7	15.6	35.2	39.1	97.7	39.1	27.3	82.0	101.6	62.5	35.2
87.5°	0.0	3.9	3.9	3.9	3.9	3.9	3.9	7.8	7.8	7.8	7.8
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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CATALOG NUMBER: GSS-SB3C-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6
2.5°	2398.4	2390.6	2374.9	2347.6	2343.7	2324.2	2292.9	2273.4	2257.7	2269.5	2273.4
5°	2441.3	2421.8	2374.9	2300.7	2222.6	2144.5	2070.3	1984.3	1925.7	1917.9	1902.3
7.5°	2519.5	2480.4	2378.8	2234.3	2035.1	1847.6	1628.9	1417.9	1312.5	1296.8	1261.7
10°	2644.5	2578.1	2410.1	2117.1	1734.3	1343.7	1011.7	785.1	656.2	632.8	640.6
12.5°	2792.9	2699.1	2414.0	1917.9	1320.3	832.0	574.2	488.3	460.9	449.2	449.2
15°	2984.3	2847.6	2410.1	1660.1	890.6	535.1	460.9	425.8	414.1	406.2	406.2
17.5°	3226.5	3046.8	2382.7	1273.4	601.5	464.8	421.9	394.5	378.9	375.0	375.0
20°	3511.6	3269.4	2320.2	949.2	503.9	433.6	398.4	363.3	351.6	343.7	343.7
22.5°	3874.9	3539.0	2199.2	738.3	476.5	414.1	375.0	335.9	324.2	316.4	316.4
25°	4296.8	3882.7	2039.0	664.0	472.6	398.4	351.6	312.5	300.8	296.9	293.0
27.5°	4796.7	4249.9	1890.6	667.9	480.5	386.7	328.1	293.0	281.2	269.5	273.4
30°	5386.6	4628.8	1769.5	714.8	488.3	375.0	312.5	281.2	269.5	253.9	253.9
32.5°	5968.6	5074.1	1757.8	800.8	515.6	367.2	296.9	265.6	253.9	242.2	242.2
35°	6566.2	5480.3	1824.2	914.0	570.3	355.5	277.3	250.0	238.3	230.5	226.6
37.5°	7136.5	5804.5	1886.7	984.3	539.0	304.7	253.9	230.5	218.7	203.1	203.1
40°	7515.4	5980.3	1898.4	929.7	445.3	273.4	230.5	207.0	191.4	183.6	179.7
42.5°	7792.7	6093.6	1765.6	753.9	386.7	250.0	210.9	187.5	175.8	168.0	168.0
45°	7906.0	6054.5	1539.0	574.2	355.5	230.5	191.4	171.9	164.1	156.2	156.2
47.5°	7890.4	5874.8	1308.6	460.9	324.2	210.9	179.7	164.1	156.2	148.4	144.5
50°	7863.1	5706.9	1074.2	410.1	289.1	199.2	168.0	156.2	144.5	136.7	132.8
52.5°	8042.7	5652.2	890.6	375.0	269.5	191.4	164.1	148.4	136.7	128.9	128.9
55°	8222.4	5675.6	699.2	351.6	250.0	187.5	160.2	144.5	132.8	121.1	121.1
57.5°	8210.7	5574.1	531.2	328.1	234.4	183.6	156.2	140.6	121.1	113.3	113.3
60°	*7464.6*	*4972.5*	*414.1*	*300.8*	*214.8*	*171.9*	*144.5*	*132.8*	*113.3*	*101.6*	*101.6*
62.5°	6312.3	3910.0	339.8	265.6	191.4	156.2	132.8	121.1	101.6	82.0	82.0
65°	4663.9	2820.2	273.4	230.5	175.8	136.7	121.1	105.5	82.0	66.4	62.5
67.5°	3156.2	1734.3	218.7	191.4	156.2	117.2	101.6	89.8	74.2	54.7	50.8
70°	1871.0	921.8	160.2	132.8	117.2	85.9	85.9	78.1	62.5	46.9	43.0
72.5°	890.6	320.3	117.2	97.7	89.8	62.5	66.4	66.4	50.8	35.2	31.2
75°	453.1	156.2	78.1	70.3	58.6	46.9	54.7	50.8	35.2	23.4	23.4
77.5°	257.8	109.4	54.7	46.9	39.1	31.2	35.2	31.2	19.5	11.7	11.7
80°	144.5	78.1	35.2	31.2	23.4	19.5	19.5	15.6	11.7	3.9	3.9
82.5°	54.7	46.9	23.4	15.6	11.7	11.7	7.8	7.8	3.9	0.0	0.0
85°	23.4	11.7	11.7	7.8	7.8	3.9	3.9	3.9	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	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°	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6
2.5°	2242.1	2249.9	2257.7	2289.0	2296.8	2320.2	2339.8	2363.2	2367.1	2398.4	2398.4
5°	1933.5	1929.6	1996.0	2093.7	2156.2	2242.1	2308.5	2378.8	2417.9	2468.7	2492.1
7.5°	1281.2	1378.9	1527.3	1699.2	1921.8	2128.8	2285.1	2421.8	2515.6	2574.1	2597.6
10°	636.7	691.4	847.6	1128.9	1507.8	1929.6	2261.7	2515.6	2667.9	2734.3	2777.3
12.5°	449.2	460.9	488.3	640.6	1003.9	1601.5	2187.4	2617.1	2828.0	2953.0	3007.7
15°	402.3	410.1	421.9	464.8	621.1	1195.3	2054.6	2730.4	3078.0	3222.6	3292.9
17.5°	371.1	375.0	386.7	421.9	488.3	812.5	1839.8	2851.5	3378.8	3554.6	3687.4
20°	343.7	343.7	355.5	398.4	453.1	625.0	1531.2	2988.2	3761.6	4015.5	4148.3
22.5°	312.5	320.3	328.1	375.0	441.4	570.3	1242.2	3093.7	4187.4	4496.0	4652.2
25°	289.1	296.9	304.7	351.6	429.7	570.3	1074.2	3160.1	4663.9	5031.1	5245.9
27.5°	269.5	277.3	289.1	335.9	418.0	593.7	1007.8	3179.6	5183.4	5660.0	5949.1
30°	253.9	261.7	273.4	324.2	425.8	621.1	1031.2	3152.3	5710.8	6308.4	6652.2
32.5°	238.3	246.1	257.8	312.5	425.8	656.2	1109.3	3097.6	6222.5	6956.8	7378.7
35°	226.6	230.5	234.4	281.2	386.7	652.3	1207.0	3042.9	6738.1	7597.4	8089.6
37.5°	203.1	207.0	214.8	242.2	308.6	593.7	1226.5	2976.5	7144.3	8136.5	8679.4
40°	179.7	187.5	195.3	222.6	257.8	480.5	1140.6	2835.9	7359.2	8550.5	9210.7
42.5°	164.1	168.0	175.8	203.1	238.3	382.8	957.0	2589.8	7550.6	8831.8	9597.4
45°	152.3	156.2	164.1	183.6	222.6	332.0	753.9	2289.0	7566.2	8921.6	9784.9
47.5°	140.6	144.5	148.4	168.0	214.8	296.9	578.1	2015.6	7562.3	9038.8	9945.0
50°	132.8	136.7	144.5	160.2	203.1	265.6	476.5	1792.9	7726.3	9292.7	10269.2
52.5°	128.9	128.9	140.6	156.2	191.4	242.2	398.4	1593.7	7812.3	9542.7	10503.6
55°	121.1	125.0	132.8	148.4	179.7	230.5	339.8	1343.7	7851.3	9667.7	10546.6
57.5°	113.3	117.2	128.9	140.6	171.9	218.7	293.0	1003.9	7292.8	9015.4	9827.8
60°	*101.6*	*109.4*	*125.0*	*136.7*	*160.2*	*199.2*	*257.8*	*679.7*	*6152.2*	*7835.7*	*8515.4*
62.5°	82.0	97.7	113.3	121.1	144.5	168.0	218.7	453.1	4913.9	6484.2	7257.6
65°	62.5	82.0	93.7	105.5	121.1	140.6	183.6	308.6	3277.3	4363.2	5234.2
67.5°	54.7	70.3	78.1	85.9	101.6	121.1	148.4	214.8	1988.2	2621.0	3480.4
70°	43.0	58.6	66.4	62.5	78.1	93.7	105.5	144.5	1015.6	1421.8	1980.4
72.5°	31.2	46.9	50.8	50.8	46.9	66.4	78.1	101.6	441.4	691.4	898.4
75°	23.4	31.2	35.2	31.2	27.3	43.0	54.7	66.4	289.1	414.1	523.4
77.5°	11.7	11.7	19.5	19.5	11.7	23.4	27.3	39.1	164.1	242.2	300.8
80°	3.9	0.0	0.0	3.9	0.0	7.8	11.7	19.5	85.9	128.9	187.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	43.0	39.1	97.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	23.4
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: P1501743
CATALOG NUMBER: GSS-SB3C-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2390.6	*2390.6*	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6
2.5°	2417.9	*2417.9*	2433.5	2457.0	2468.7	2476.5	2480.4	2488.2	2519.5	2511.6
5°	2519.5	*2527.3*	2539.0	2562.4	2589.8	2582.0	2582.0	2582.0	2601.5	2585.9
7.5°	2652.3	*2675.7*	2679.6	2707.0	2687.4	2648.4	2624.9	2589.8	2585.9	2585.9
10°	2867.1	*2859.3*	2859.3	2824.1	2753.8	2640.6	2539.0	2468.7	2429.6	2433.5
12.5°	3097.6	*3066.3*	3070.2	2941.3	2742.1	2492.1	2285.1	2132.8	2121.0	2109.3
15°	3382.7	*3300.7*	3285.1	2988.2	2566.3	2183.5	1980.4	1859.3	1820.3	1808.5
17.5°	3789.0	*3581.9*	3507.7	2906.2	2335.9	1992.1	1839.8	1785.1	1781.2	1777.3
20°	4218.6	*3808.5*	3667.9	2785.1	2257.7	1996.0	1882.8	1867.1	1859.3	1863.2
22.5°	4718.6	*3953.0*	3773.3	2804.6	2328.1	2124.9	2035.1	2023.4	2015.6	2023.4
25°	5234.2	*4121.0*	3898.3	2960.9	2539.0	2363.2	2257.7	2234.3	2257.7	2292.9
27.5°	5753.7	*4347.5*	4144.4	3269.4	2878.8	2687.4	2585.9	2671.8	2707.0	2710.9
30°	6214.7	*4663.9*	4476.4	3703.0	3265.5	3074.1	3093.7	3203.0	3246.0	3289.0
32.5°	6636.5	*5085.8*	4941.3	4195.2	3765.5	3652.2	3640.5	3722.6	3769.4	3742.1
35°	7062.3	*5636.6*	5495.9	4730.3	4378.8	4285.0	4187.4	4347.5	4331.9	4288.9
37.5°	7464.6	*6191.2*	6062.3	5304.5	4941.3	4777.2	4761.6	4906.1	5035.0	5027.2
40°	7753.7	*6640.4*	6484.2	5874.8	5531.1	5390.5	5472.5	5722.5	5691.2	5648.3
42.5°	8019.3	*7023.2*	6882.6	6374.8	6015.5	6078.0	6152.2	6320.1	6300.6	6257.6
45°	8144.3	*7351.4*	7230.3	6753.7	6577.9	6777.2	6773.2	6835.7	6730.3	6714.7
47.5°	8320.1	*7585.7*	7460.7	7093.6	7249.8	7331.8	7101.4	7035.0	6937.3	6859.2
50°	8644.3	*7949.0*	7824.0	7609.2	7742.0	7488.1	7206.8	7062.3	6863.1	6726.4
52.5°	9023.2	*8499.8*	8390.4	8304.5	7933.4	7409.9	7050.6	6788.9	6546.7	6429.5
55°	9499.7	*9312.2*	9234.1	8761.5	7761.5	7089.6	6667.8	6179.5	5847.5	5738.1
57.5°	9656.0	*10503.6*	10476.3	8835.7	7281.0	6507.6	5745.9	5085.8	4742.1	4671.7
60°	*9195.1*	*11437.2*	*11339.5*	*8710.7*	*6410.0*	*5281.1*	*4390.5*	*3714.7*	*3156.2*	*3074.1*
62.5°	8605.2	*10722.4*	10687.2	8081.8	4882.7	3785.0	3281.2	2648.4	2410.1	2347.6
65°	7370.9	*8773.2*	8788.8	6484.2	3089.8	2718.7	2695.2	2105.4	1812.4	1765.6
67.5°	5675.6	*6730.3*	6620.9	4078.0	1800.7	2175.7	2152.3	1539.0	1113.2	1082.0
70°	3316.3	*5011.6*	4835.8	2121.0	1191.4	1816.4	1656.2	1082.0	757.8	722.6
72.5°	1464.8	*2757.7*	2960.9	933.6	839.8	1445.3	1195.3	664.0	425.8	418.0
75°	812.5	*1367.1*	1429.6	406.2	589.8	1027.3	722.6	371.1	242.2	238.3
77.5°	488.3	*605.5*	589.8	261.7	441.4	656.2	437.5	210.9	152.3	144.5
80°	273.4	*277.3*	234.4	191.4	261.7	367.2	246.1	132.8	70.3	70.3
82.5°	168.0	*152.3*	121.1	58.6	70.3	222.6	89.8	74.2	23.4	23.4
85°	70.3	*46.9*	31.2	11.7	27.3	58.6	31.2	35.2	11.7	11.7
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

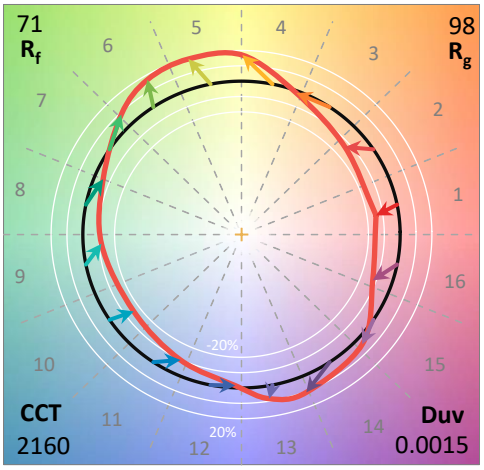
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

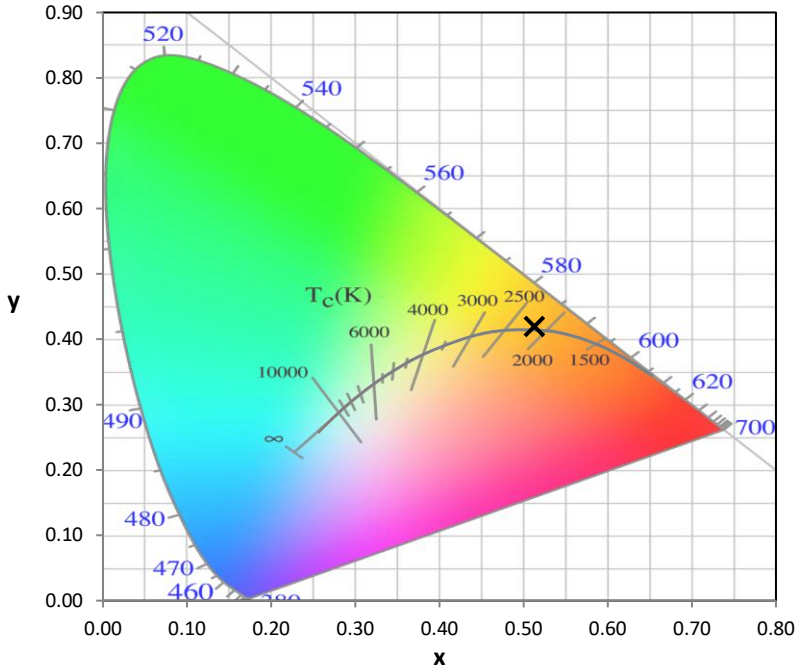
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

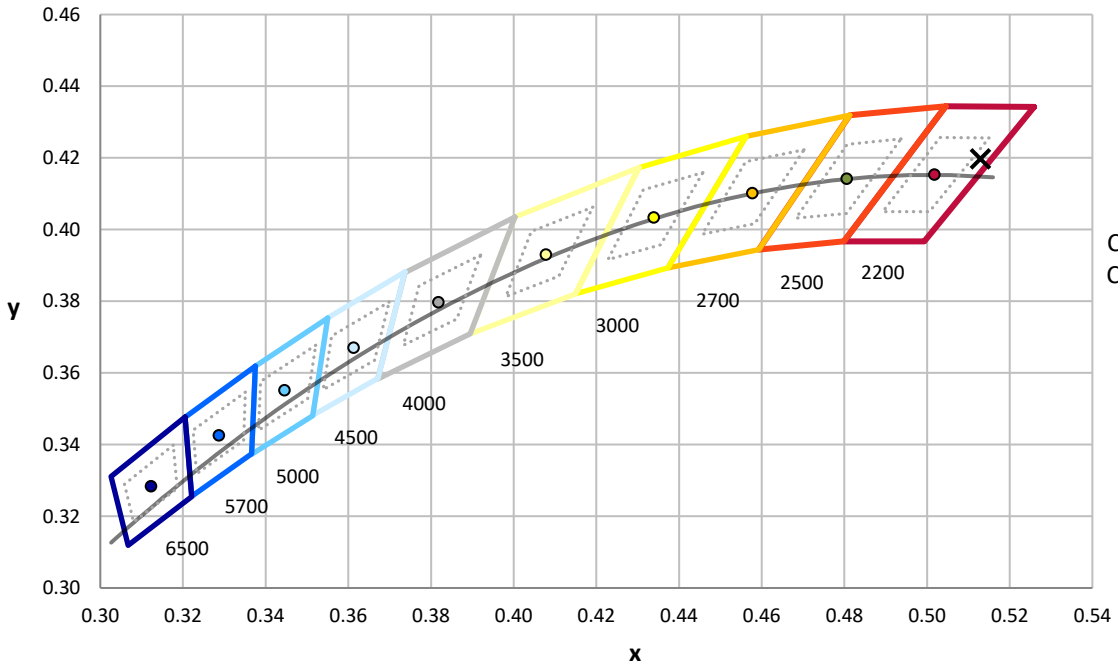
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

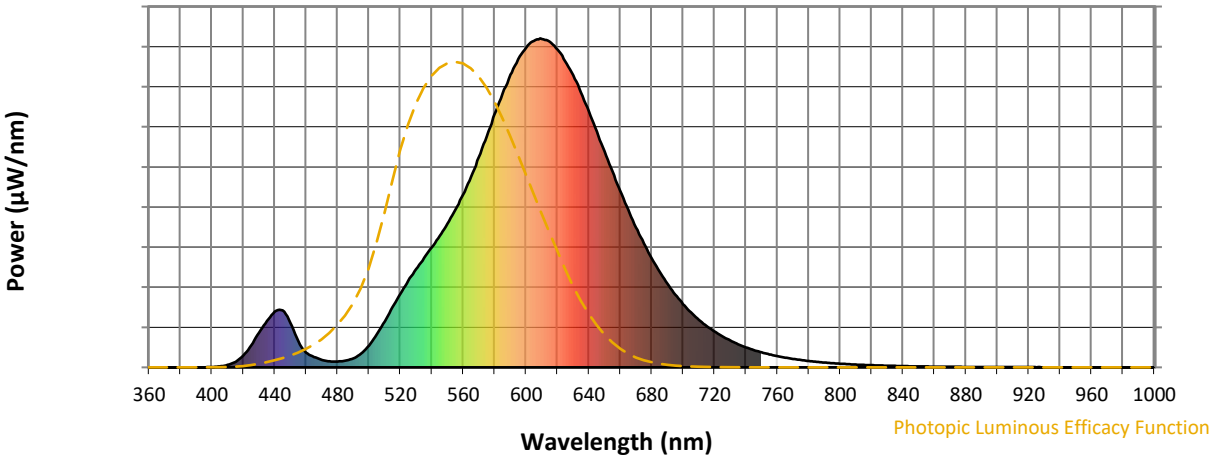


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

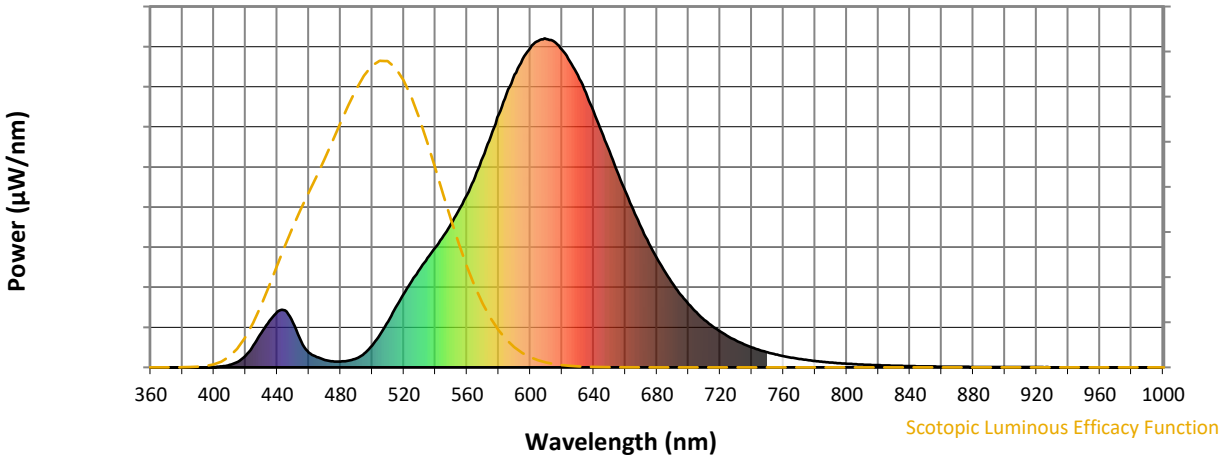


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

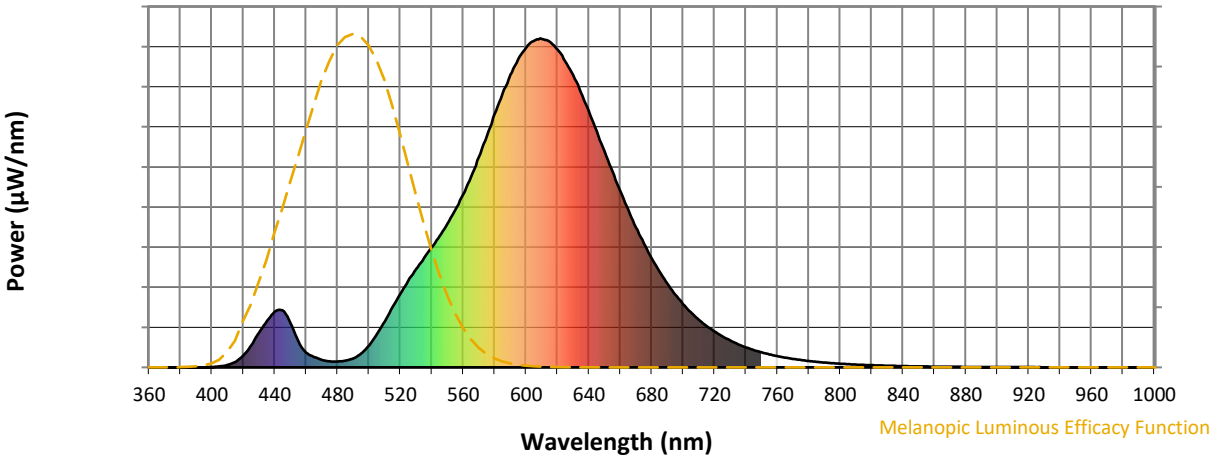


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

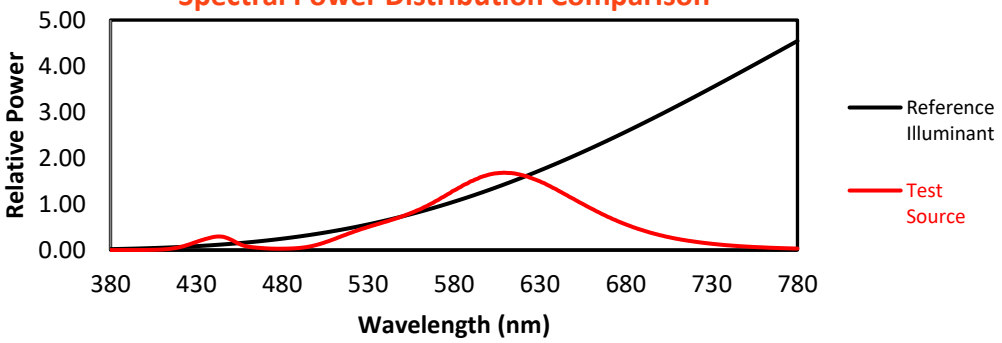
REPORT NUMBER: SP1-2407-184-2

TM-30-18

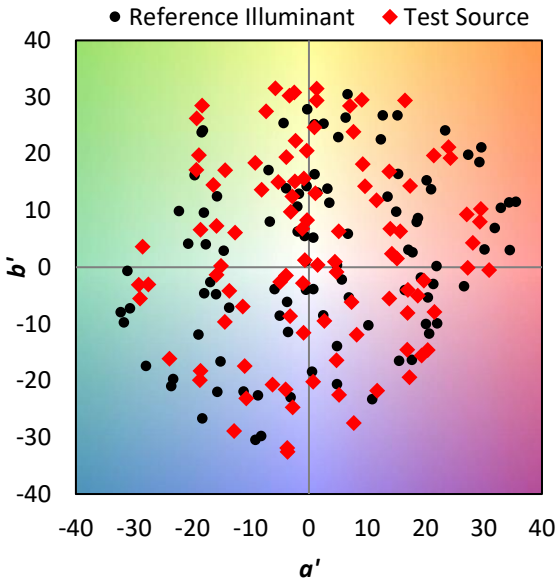
Summary

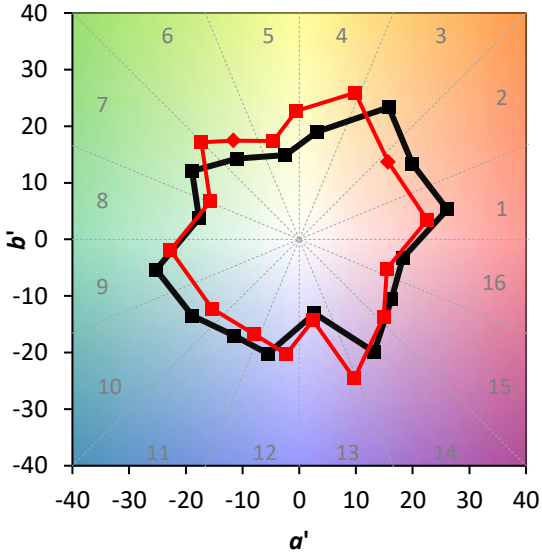
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

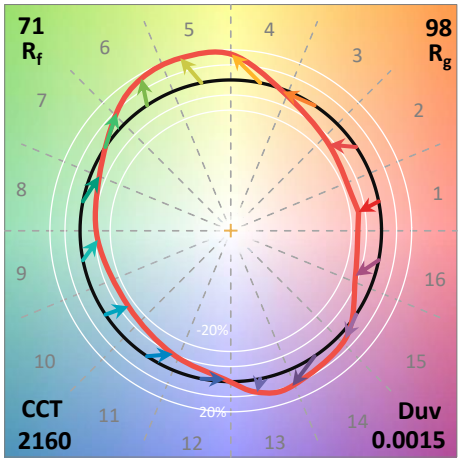
Spectral Power Distribution Comparison

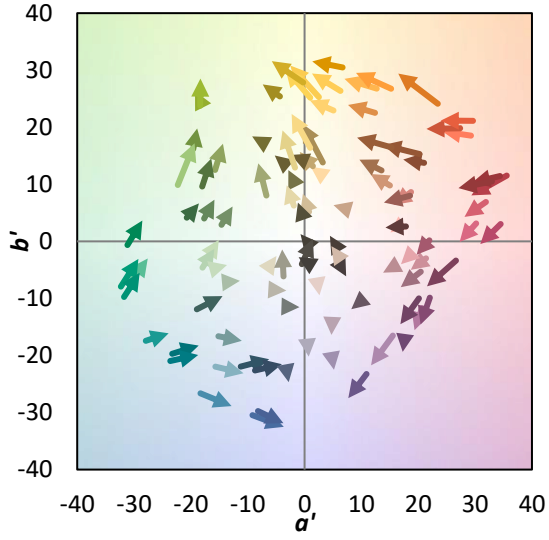


Color Vector Graphics







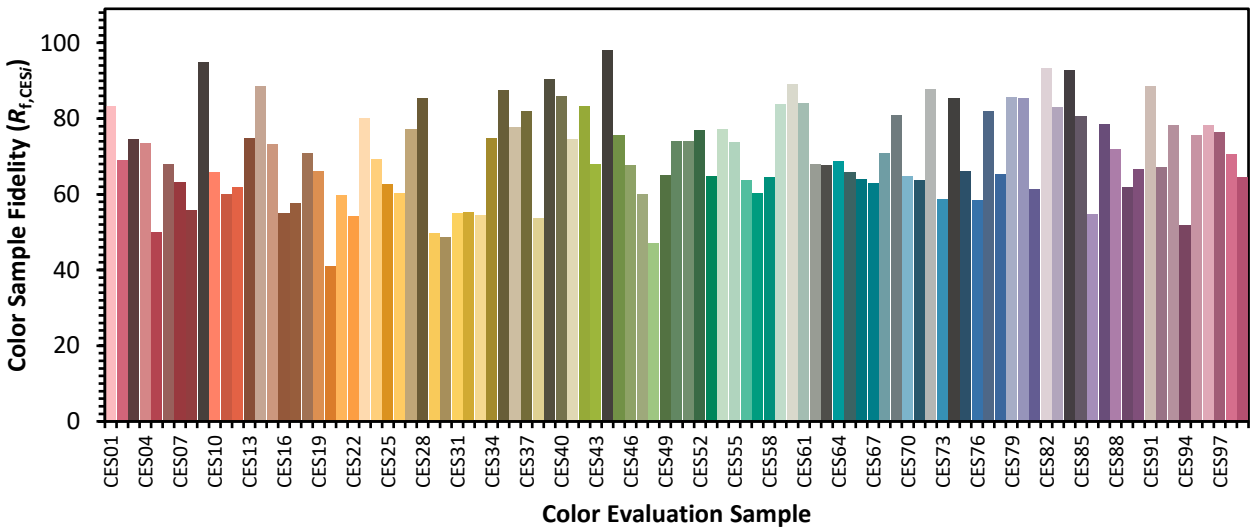


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Individual Sample Fidelity Index ($R_{f,i}$)

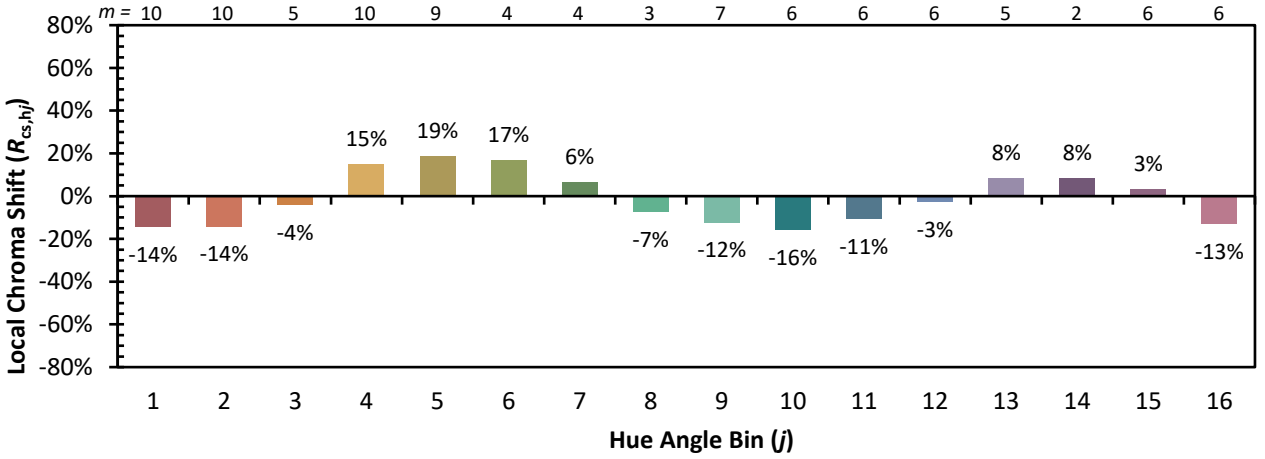
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

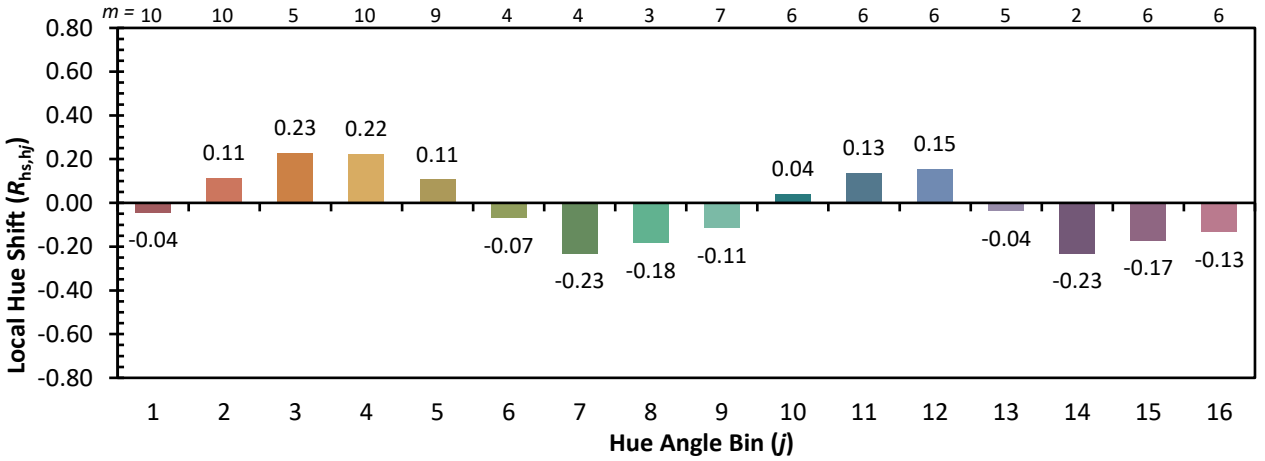


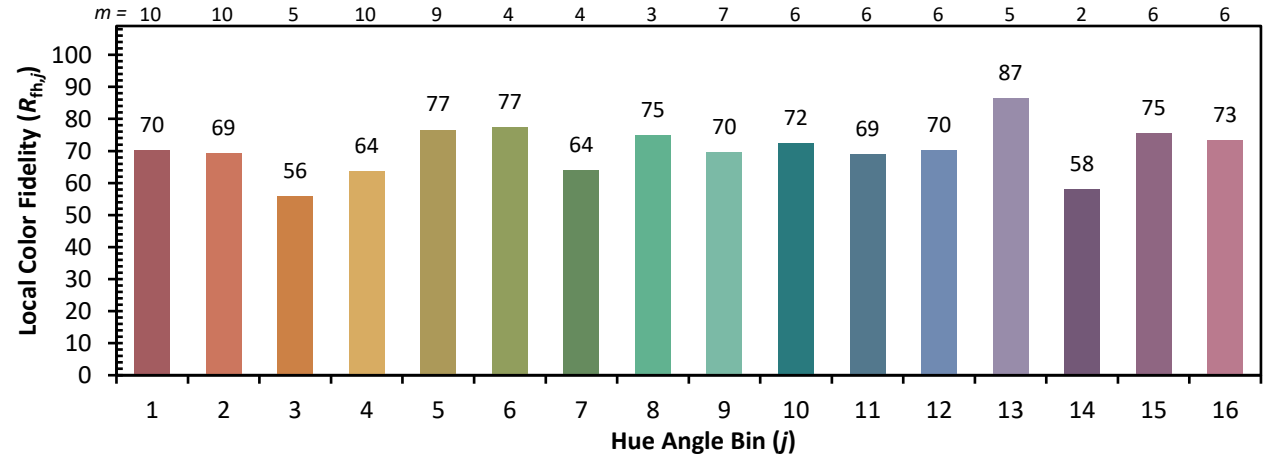
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Color Rendition by Hue-Angle Bin



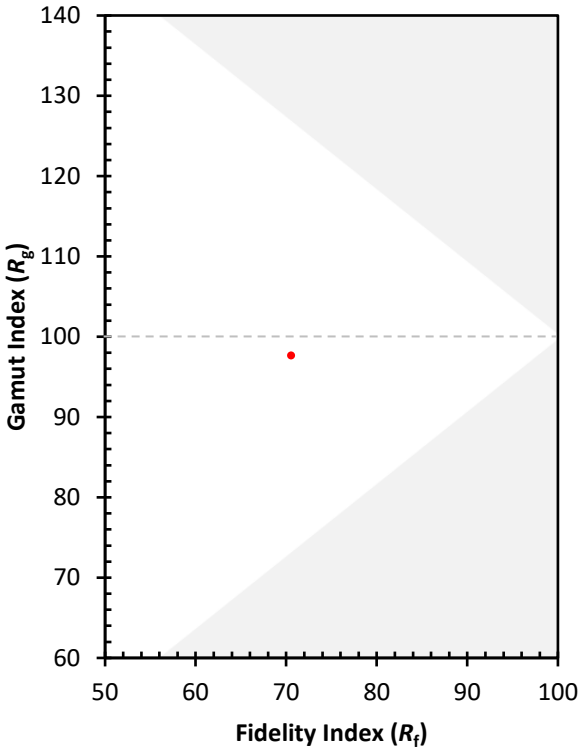


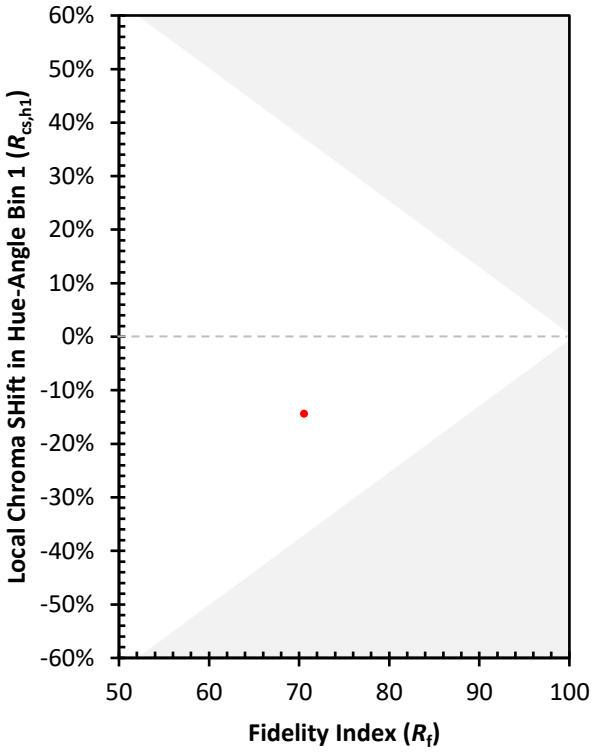


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Measure Comparisons





(END OF REPORT)