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: P1501886

Luminaire Tested: GSS-SB3B-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501886
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11132.3 lumens
Efficiency:	N/A
Efficacy:	102.1 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

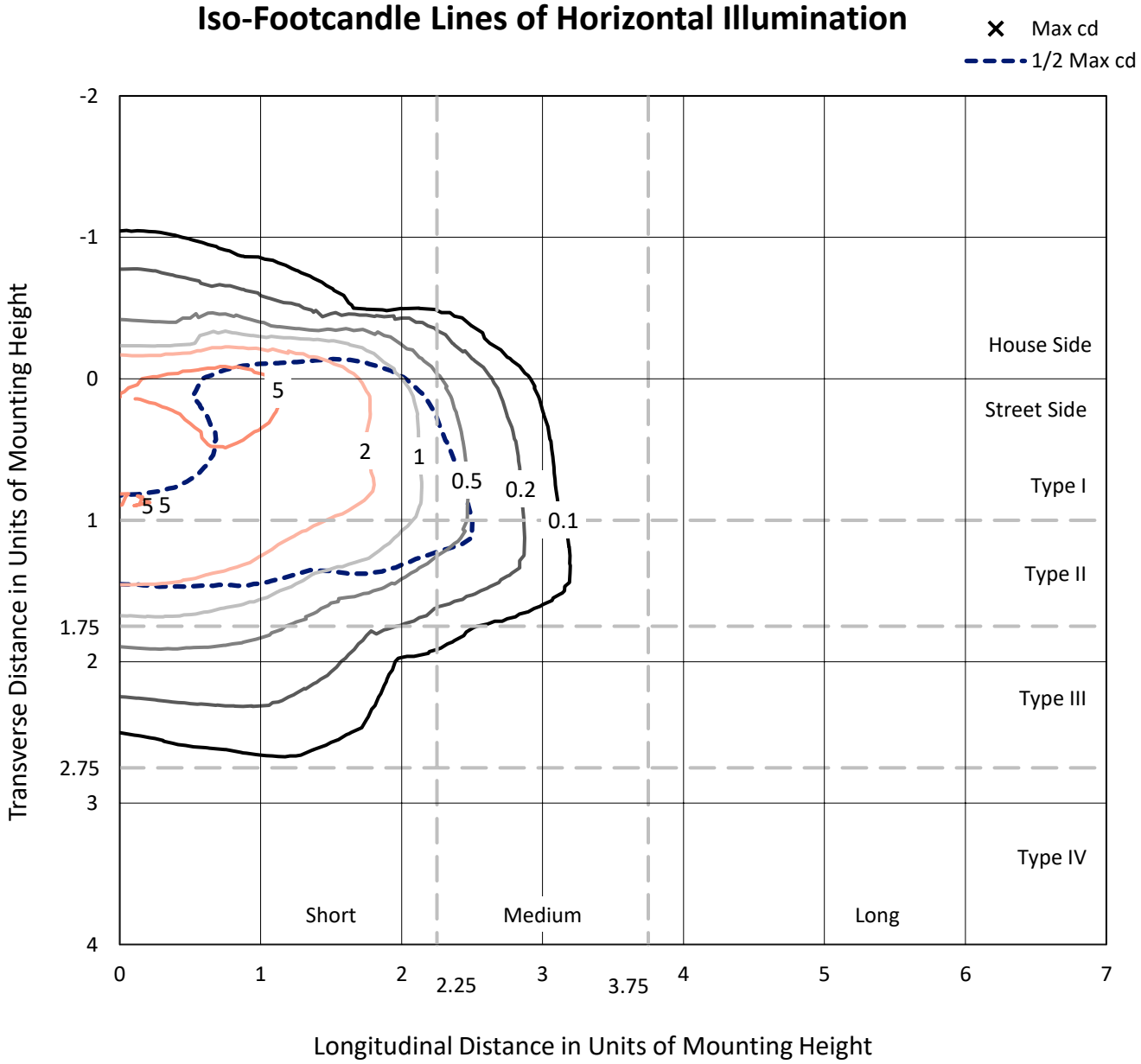
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



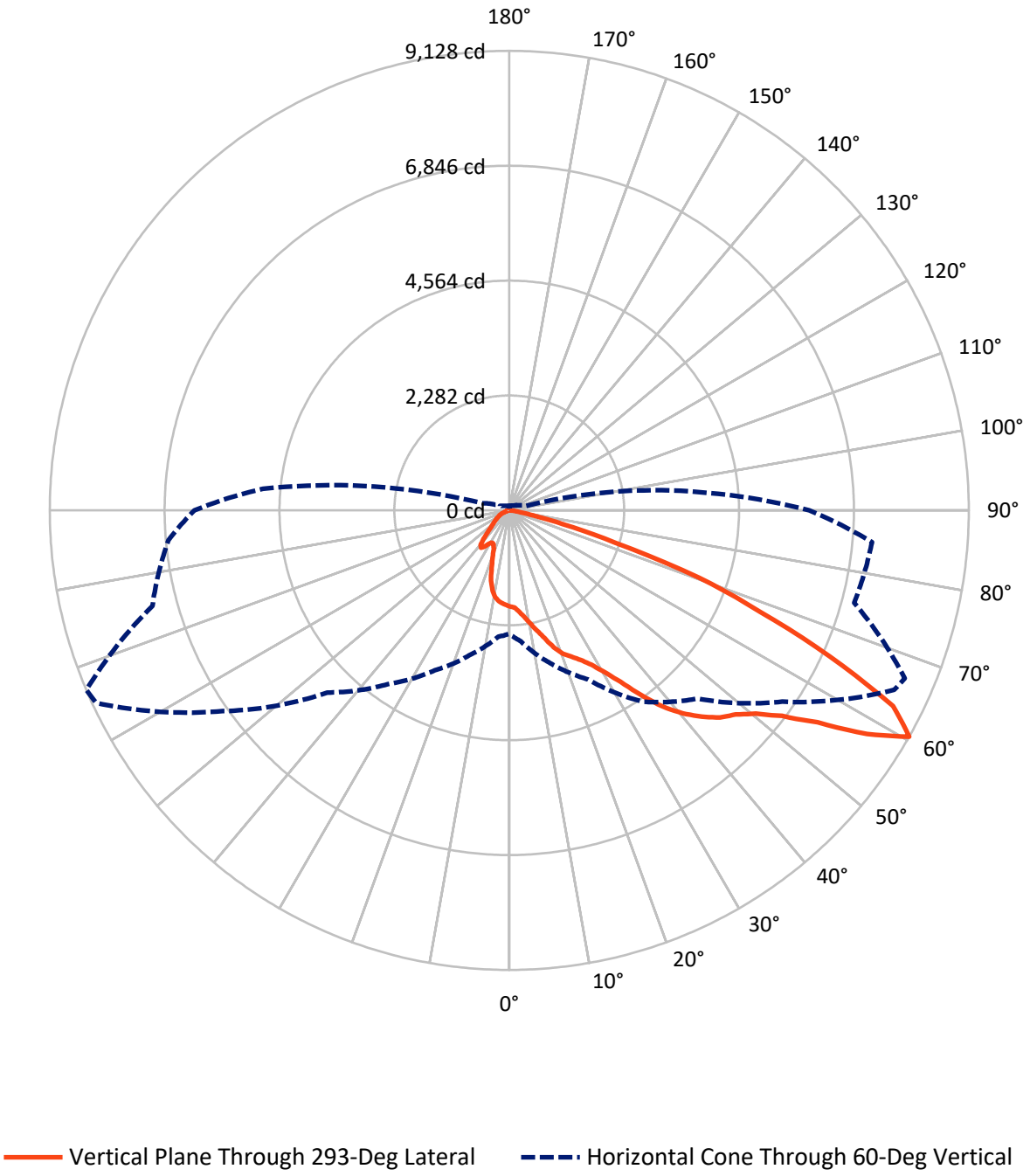
Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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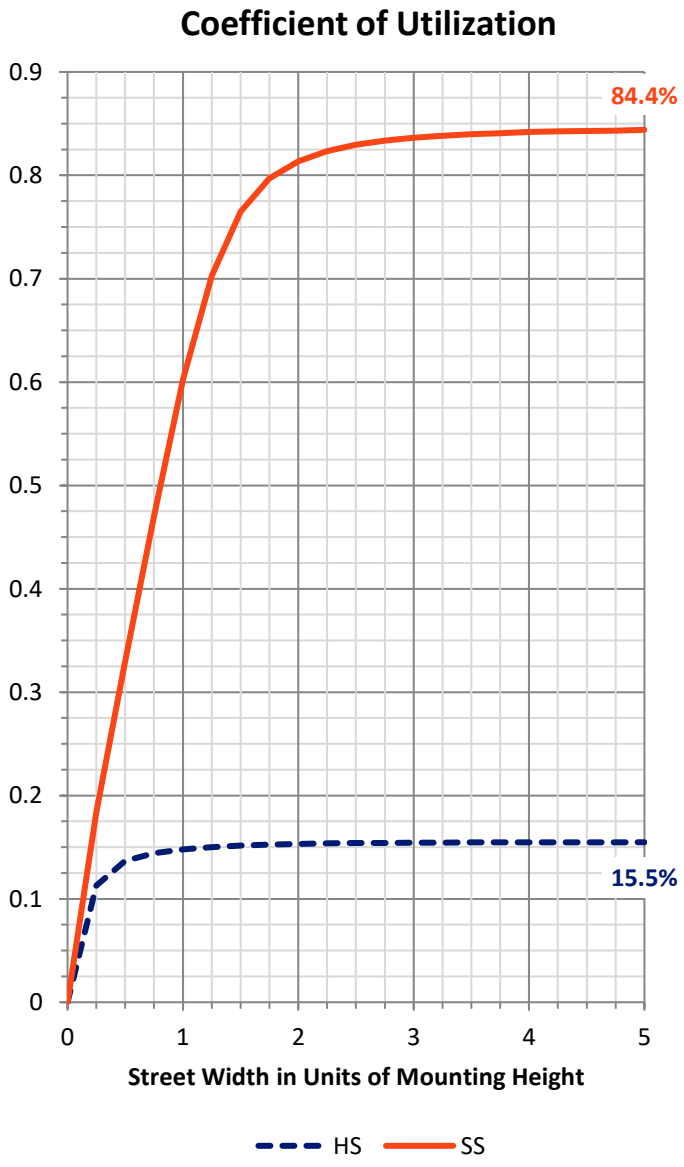
REPORT NUMBER: P1501886
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1736.9	0.0	1736.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	9395.4	0.0	9395.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	11132.3	0.0	11132.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	1.6
10°-20°	435.1	3.9
20°-30°	812.3	7.3
30°-40°	1610.8	14.5
40°-50°	2568.2	23.1
50°-60°	3068.4	27.6
60°-70°	2011.5	18.1
70°-80°	421.4	3.8
80°-90°	31.9	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°	11132.3	100.0
0°-180°	11132.3	100.0



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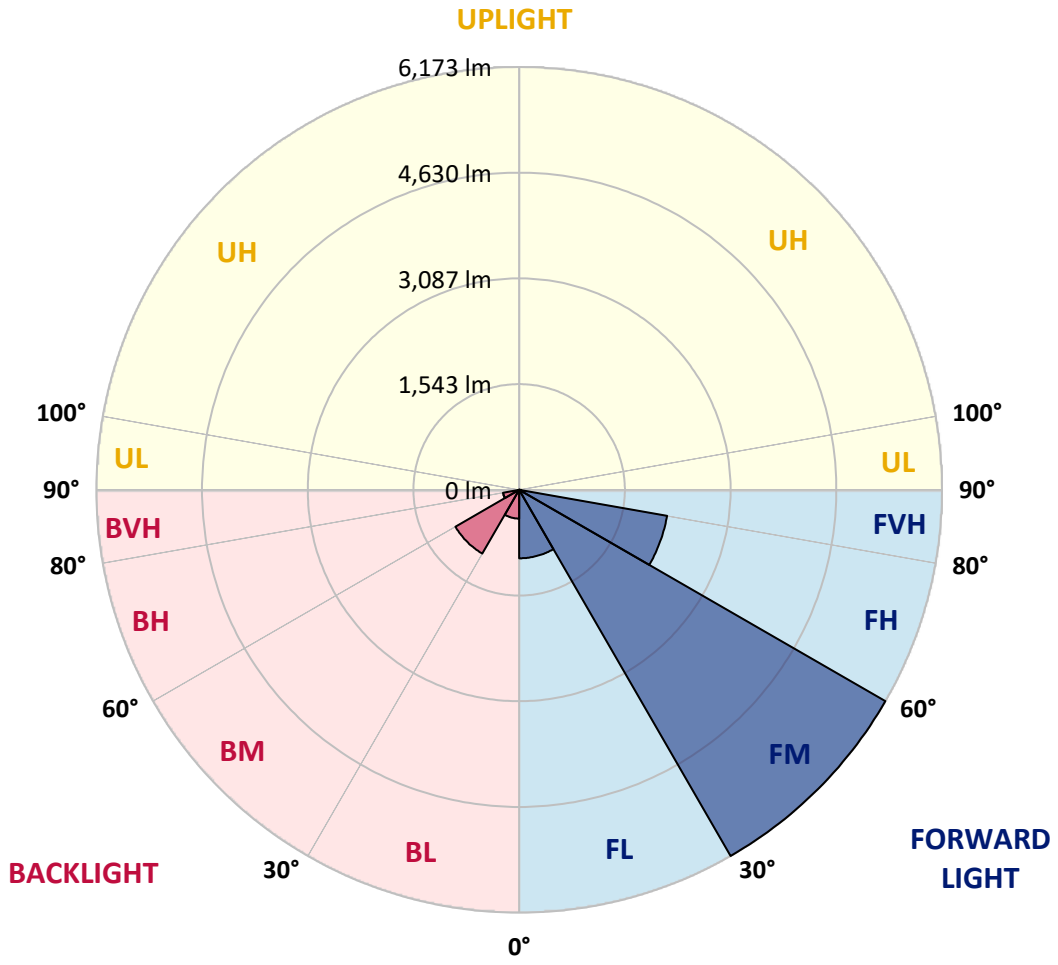
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	999.9	9.0			
FM	(30°-60°)	6173.3	55.5			
FH	(60°-80°)	2193.0	19.7			G2/5000
FVH	(80°-90°)	29.2	0.3			G1/100
BL	(0°-30°)	420.2	3.8	B1/500		
BM	(30°-60°)	1074.1	9.6	B2/2500		
BH	(60°-80°)	239.9	2.2	B1/500		G1/500
BVH	(80°-90°)	2.7	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°	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0
2.5°	2004.6	1998.4	1989.0	1992.1	1989.0	1976.5	1957.8	1942.2	1954.7	1936.0	1923.5
5°	2063.8	2063.8	2057.6	2057.6	2060.7	2054.5	2042.0	2020.2	2023.3	2007.7	1967.2
7.5°	2063.8	2054.5	2070.1	2085.7	2113.7	2129.3	2135.5	2123.1	2129.3	2098.1	2045.1
10°	1942.2	1936.0	1976.5	2035.8	2116.8	2188.5	2235.3	2238.4	2247.8	2216.6	2154.2
12.5°	1683.5	1671.0	1752.1	1864.3	2029.5	2194.8	2325.7	2375.6	2397.4	2384.9	2297.7
15°	1443.4	1459.0	1515.1	1636.7	1858.1	2110.6	2375.6	2540.8	2572.0	2587.6	2484.7
17.5°	1418.5	1421.6	1440.3	1499.6	1667.9	1973.4	2381.8	2712.3	2755.9	2824.5	2684.2
20°	1487.1	1480.8	1499.6	1518.3	1599.3	1851.8	2322.6	2877.5	2961.7	3108.2	2955.5
22.5°	1614.9	1614.9	1624.3	1636.7	1677.3	1842.5	2297.7	3030.3	3173.7	3473.0	3295.3
25°	1830.0	1805.1	1811.3	1795.7	1830.0	1954.7	2353.8	3151.9	3348.3	3878.3	3700.6
27.5°	2163.6	2172.9	2116.8	2032.7	2051.4	2157.4	2490.9	3289.0	3529.1	4299.1	4112.1
30°	2625.0	2609.4	2575.1	2409.9	2335.1	2428.6	2743.5	3513.5	3772.3	4832.2	4660.8
32.5°	2986.6	3030.3	2971.0	2855.7	2740.3	2768.4	3098.9	3875.1	4068.4	5321.7	5228.2
35°	3423.1	3423.1	3435.6	3273.5	3195.5	3189.3	3544.7	4268.0	4461.2	5764.4	5829.9
37.5°	4012.3	3971.8	3903.2	3722.4	3663.2	3741.1	3962.4	4673.2	4882.1	6122.9	6297.5
40°	4508.0	4536.1	4526.7	4264.8	4149.5	4233.7	4430.1	5019.3	5181.4	6353.6	6674.7
42.5°	4994.4	5009.9	4969.4	4844.7	4676.4	4682.6	4844.7	5281.2	5446.4	6575.0	7030.1
45°	5359.1	5356.0	5327.9	5296.8	5197.0	5094.1	5122.2	5571.1	5714.5	6646.7	7223.4
47.5°	5474.5	5499.4	5524.3	5611.6	5680.2	5518.1	5374.7	5727.0	5857.9	6634.2	7295.1
50°	5368.5	5421.5	5543.0	5674.0	5907.8	5895.3	5586.7	5895.3	6023.2	6702.8	7379.3
52.5°	5131.5	5184.5	5346.6	5583.6	5935.9	6110.4	5979.5	6179.0	6328.7	6877.4	7553.9
55°	4579.7	4601.5	4935.1	5246.9	5795.6	6016.9	6400.4	6659.1	6783.8	7089.4	7784.6
57.5°	3728.6	3781.6	4109.0	4617.1	5402.8	5770.6	6640.4	7479.1	7475.9	7292.0	7834.5
60°	*2453.5*	*2609.4*	*3142.5*	*3703.7*	*4642.1*	*5287.4*	*6624.8*	*8439.3*	*8535.9*	*7092.5*	*7232.8*
62.5°	1873.7	1939.1	2241.5	2709.2	3435.6	4383.3	6522.0	8726.1	8800.9	6556.3	6331.8
65°	1409.1	1490.2	1780.1	2197.9	2425.5	2971.0	5848.6	7585.1	7687.9	5851.7	4922.7
67.5°	863.6	929.0	1315.6	1805.1	1836.3	1845.6	3946.9	5745.7	5783.1	4720.0	3314.0
70°	576.8	642.2	910.3	1387.3	1462.1	1063.1	2166.7	4349.0	4345.9	3229.8	2014.0
72.5°	333.6	364.8	576.8	1022.6	1150.4	676.5	1081.8	2765.3	2643.7	1518.3	941.5
75°	190.2	212.0	318.0	657.8	807.5	430.2	427.1	1480.8	1309.4	782.5	514.4
77.5°	115.4	124.7	174.6	430.2	486.3	289.9	236.9	689.0	664.0	458.3	271.2
80°	56.1	65.5	106.0	252.5	311.8	155.9	143.4	271.2	289.9	252.5	143.4
82.5°	18.7	24.9	59.2	96.6	202.6	62.4	59.2	149.6	159.0	149.6	68.6
85°	9.4	12.5	28.1	31.2	77.9	31.2	21.8	65.5	81.1	49.9	28.1
87.5°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	6.2	6.2
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°	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0
2.5°	1914.2	1908.0	1895.5	1873.7	1870.5	1855.0	1830.0	1814.4	1802.0	1811.3	1814.4
5°	1948.5	1932.9	1895.5	1836.3	1773.9	1711.5	1652.3	1583.7	1537.0	1530.7	1518.3
7.5°	2010.8	1979.7	1898.6	1783.3	1624.3	1474.6	1300.0	1131.7	1047.5	1035.0	1007.0
10°	2110.6	2057.6	1923.5	1689.7	1384.2	1072.4	807.5	626.6	523.8	505.0	511.3
12.5°	2229.1	2154.2	1926.7	1530.7	1053.7	664.0	458.3	389.7	367.9	358.5	358.5
15°	2381.8	2272.7	1923.5	1325.0	710.8	427.1	367.9	339.8	330.5	324.2	324.2
17.5°	2575.1	2431.7	1901.7	1016.3	480.1	371.0	336.7	314.9	302.4	299.3	299.3
20°	2802.7	2609.4	1851.8	757.6	402.2	346.1	318.0	289.9	280.6	274.3	274.3
22.5°	3092.6	2824.5	1755.2	589.2	380.3	330.5	299.3	268.1	258.8	252.5	252.5
25°	3429.3	3098.9	1627.4	530.0	377.2	318.0	280.6	249.4	240.1	236.9	233.8
27.5°	3828.4	3391.9	1508.9	533.1	383.5	308.6	261.9	233.8	224.5	215.1	218.2
30°	4299.1	3694.3	1412.3	570.5	389.7	299.3	249.4	224.5	215.1	202.6	202.6
32.5°	4763.7	4049.7	1402.9	639.1	411.5	293.1	236.9	212.0	202.6	193.3	193.3
35°	5240.6	4374.0	1455.9	729.5	455.2	283.7	221.3	199.5	190.2	183.9	180.8
37.5°	5695.8	4632.7	1505.8	785.6	430.2	243.2	202.6	183.9	174.6	162.1	162.1
40°	5998.2	4773.0	1515.1	742.0	355.4	218.2	183.9	165.2	152.8	146.5	143.4
42.5°	6219.6	4863.4	1409.1	601.7	308.6	199.5	168.3	149.6	140.3	134.1	134.1
45°	6310.0	4832.2	1228.3	458.3	283.7	183.9	152.8	137.2	130.9	124.7	124.7
47.5°	6297.5	4688.8	1044.4	367.9	258.8	168.3	143.4	130.9	124.7	118.5	115.4
50°	6275.7	4554.8	857.3	327.3	230.7	159.0	134.1	124.7	115.4	109.1	106.0
52.5°	6419.1	4511.1	710.8	299.3	215.1	152.8	130.9	118.5	109.1	102.9	102.9
55°	6562.5	4529.8	558.0	280.6	199.5	149.6	127.8	115.4	106.0	96.6	96.6
57.5°	6553.1	4448.8	424.0	261.9	187.1	146.5	124.7	112.2	96.6	90.4	90.4
60°	*5957.7*	*3968.7*	*330.5*	*240.1*	*171.5*	*137.2*	*115.4*	*106.0*	*90.4*	*81.1*	*81.1*
62.5°	5038.0	3120.7	271.2	212.0	152.8	124.7	106.0	96.6	81.1	65.5	65.5
65°	3722.4	2250.9	218.2	183.9	140.3	109.1	96.6	84.2	65.5	53.0	49.9
67.5°	2519.0	1384.2	174.6	152.8	124.7	93.5	81.1	71.7	59.2	43.6	40.5
70°	1493.3	735.7	127.8	106.0	93.5	68.6	68.6	62.4	49.9	37.4	34.3
72.5°	710.8	255.6	93.5	77.9	71.7	49.9	53.0	53.0	40.5	28.1	24.9
75°	361.6	124.7	62.4	56.1	46.8	37.4	43.6	40.5	28.1	18.7	18.7
77.5°	205.8	87.3	43.6	37.4	31.2	24.9	28.1	24.9	15.6	9.4	9.4
80°	115.4	62.4	28.1	24.9	18.7	15.6	15.6	12.5	9.4	3.1	3.1
82.5°	43.6	37.4	18.7	12.5	9.4	9.4	6.2	6.2	3.1	0.0	0.0
85°	18.7	9.4	9.4	6.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0
2.5°	1789.5	1795.7	1802.0	1826.9	1833.1	1851.8	1867.4	1886.1	1889.3	1914.2	1914.2
5°	1543.2	1540.1	1593.1	1671.0	1720.9	1789.5	1842.5	1898.6	1929.8	1970.3	1989.0
7.5°	1022.6	1100.5	1219.0	1356.1	1533.8	1699.1	1823.8	1932.9	2007.7	2054.5	2073.2
10°	508.2	551.8	676.5	901.0	1203.4	1540.1	1805.1	2007.7	2129.3	2182.3	2216.6
12.5°	358.5	367.9	389.7	511.3	801.2	1278.2	1745.8	2088.8	2257.1	2356.9	2400.5
15°	321.1	327.3	336.7	371.0	495.7	954.0	1639.8	2179.2	2456.6	2572.0	2628.1
17.5°	296.2	299.3	308.6	336.7	389.7	648.5	1468.4	2275.8	2696.7	2837.0	2943.0
20°	274.3	274.3	283.7	318.0	361.6	498.8	1222.1	2384.9	3002.2	3204.9	3310.9
22.5°	249.4	255.6	261.9	299.3	352.3	455.2	991.4	2469.1	3342.0	3588.3	3713.0
25°	230.7	236.9	243.2	280.6	342.9	455.2	857.3	2522.1	3722.4	4015.4	4186.9
27.5°	215.1	221.3	230.7	268.1	333.6	473.9	804.3	2537.7	4137.0	4517.4	4748.1
30°	202.6	208.9	218.2	258.8	339.8	495.7	823.0	2515.9	4557.9	5034.9	5309.2
32.5°	190.2	196.4	205.8	249.4	339.8	523.8	885.4	2472.2	4966.3	5552.4	5889.1
35°	180.8	183.9	187.1	224.5	308.6	520.6	963.3	2428.6	5377.8	6063.7	6456.5
37.5°	162.1	165.2	171.5	193.3	246.3	473.9	978.9	2375.6	5702.0	6493.9	6927.3
40°	143.4	149.6	155.9	177.7	205.8	383.5	910.3	2263.4	5873.5	6824.4	7351.2
42.5°	130.9	134.1	140.3	162.1	190.2	305.5	763.8	2067.0	6026.3	7048.8	7659.9
45°	121.6	124.7	130.9	146.5	177.7	265.0	601.7	1826.9	6038.7	7120.5	7809.5
47.5°	112.2	115.4	118.5	134.1	171.5	236.9	461.4	1608.7	6035.6	7214.1	7937.3
50°	106.0	109.1	115.4	127.8	162.1	212.0	380.3	1431.0	6166.6	7416.7	8196.1
52.5°	102.9	102.9	112.2	124.7	152.8	193.3	318.0	1272.0	6235.2	7616.2	8383.2
55°	96.6	99.8	106.0	118.5	143.4	183.9	271.2	1072.4	6266.3	7716.0	8417.5
57.5°	90.4	93.5	102.9	112.2	137.2	174.6	233.8	801.2	5820.5	7195.4	7843.8
60°	*81.1*	*87.3*	*99.8*	*109.1*	*127.8*	*159.0*	*205.8*	*542.5*	*4910.2*	*6253.9*	*6796.3*
62.5°	65.5	77.9	90.4	96.6	115.4	134.1	174.6	361.6	3921.9	5175.2	5792.5
65°	49.9	65.5	74.8	84.2	96.6	112.2	146.5	246.3	2615.6	3482.3	4177.6
67.5°	43.6	56.1	62.4	68.6	81.1	96.6	118.5	171.5	1586.8	2091.9	2777.8
70°	34.3	46.8	53.0	49.9	62.4	74.8	84.2	115.4	810.6	1134.8	1580.6
72.5°	24.9	37.4	40.5	40.5	37.4	53.0	62.4	81.1	352.3	551.8	717.0
75°	18.7	24.9	28.1	24.9	21.8	34.3	43.6	53.0	230.7	330.5	417.8
77.5°	9.4	9.4	15.6	15.6	9.4	18.7	21.8	31.2	130.9	193.3	240.1
80°	3.1	0.0	0.0	3.1	0.0	6.2	9.4	15.6	68.6	102.9	149.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	34.3	31.2	77.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	18.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501886
CATALOG NUMBER: GSS-SB3B-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1908.0	*1908.0*	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0	1908.0
2.5°	1929.8	*1929.8*	1942.2	1961.0	1970.3	1976.5	1979.7	1985.9	2010.8	2004.6
5°	2010.8	*2017.1*	2026.4	2045.1	2067.0	2060.7	2060.7	2060.7	2076.3	2063.8
7.5°	2116.8	*2135.5*	2138.7	2160.5	2144.9	2113.7	2095.0	2067.0	2063.8	2063.8
10°	2288.3	*2282.1*	2282.1	2254.0	2197.9	2107.5	2026.4	1970.3	1939.1	1942.2
12.5°	2472.2	*2447.3*	2450.4	2347.5	2188.5	1989.0	1823.8	1702.2	1692.8	1683.5
15°	2699.8	*2634.4*	2621.9	2384.9	2048.2	1742.7	1580.6	1484.0	1452.8	1443.4
17.5°	3024.0	*2858.8*	2799.6	2319.5	1864.3	1590.0	1468.4	1424.7	1421.6	1418.5
20°	3367.0	*3039.6*	2927.4	2222.8	1802.0	1593.1	1502.7	1490.2	1484.0	1487.1
22.5°	3766.0	*3155.0*	3011.6	2238.4	1858.1	1696.0	1624.3	1614.9	1608.7	1614.9
25°	4177.6	*3289.0*	3111.3	2363.1	2026.4	1886.1	1802.0	1783.3	1802.0	1830.0
27.5°	4592.2	*3469.9*	3307.7	2609.4	2297.7	2144.9	2063.8	2132.4	2160.5	2163.6
30°	4960.1	*3722.4*	3572.7	2955.5	2606.3	2453.5	2469.1	2556.4	2590.7	2625.0
32.5°	5296.8	*4059.1*	3943.7	3348.3	3005.3	2914.9	2905.6	2971.0	3008.5	2986.6
35°	5636.6	*4498.7*	4386.4	3775.4	3494.8	3420.0	3342.0	3469.9	3457.4	3423.1
37.5°	5957.7	*4941.4*	4838.5	4233.7	3943.7	3812.8	3800.3	3915.7	4018.6	4012.3
40°	6188.4	*5299.9*	5175.2	4688.8	4414.5	4302.3	4367.7	4567.2	4542.3	4508.0
42.5°	6400.4	*5605.4*	5493.2	5087.9	4801.1	4850.9	4910.2	5044.2	5028.6	4994.4
45°	6500.1	*5867.3*	5770.6	5390.3	5250.0	5409.0	5405.9	5455.8	5371.6	5359.1
47.5°	6640.4	*6054.3*	5954.6	5661.5	5786.2	5851.7	5667.8	5614.8	5536.8	5474.5
50°	6899.2	*6344.3*	6244.5	6073.0	6179.0	5976.4	5751.9	5636.6	5477.6	5368.5
52.5°	7201.6	*6783.8*	6696.6	6628.0	6331.8	5914.0	5627.2	5418.3	5225.1	5131.5
55°	7581.9	*7432.3*	7369.9	6992.7	6194.6	5658.4	5321.7	4932.0	4667.0	4579.7
57.5°	7706.6	*8383.2*	8361.3	7052.0	5811.2	5193.9	4586.0	4059.1	3784.7	3728.6
60°	*7338.8*	*9128.3*	*9050.3*	*6952.2*	*5115.9*	*4215.0*	*3504.2*	*2964.8*	*2519.0*	*2453.5*
62.5°	6868.0	*8557.7*	8529.7	6450.3	3897.0	3020.9	2618.8	2113.7	1923.5	1873.7
65°	5882.9	*7002.1*	7014.5	5175.2	2466.0	2169.8	2151.1	1680.4	1446.6	1409.1
67.5°	4529.8	*5371.6*	5284.3	3254.7	1437.2	1736.5	1717.8	1228.3	888.5	863.6
70°	2646.8	*3999.8*	3859.6	1692.8	950.9	1449.7	1321.9	863.6	604.8	576.8
72.5°	1169.1	*2201.0*	2363.1	745.1	670.3	1153.5	954.0	530.0	339.8	333.6
75°	648.5	*1091.2*	1141.0	324.2	470.8	819.9	576.8	296.2	193.3	190.2
77.5°	389.7	*483.2*	470.8	208.9	352.3	523.8	349.2	168.3	121.6	115.4
80°	218.2	*221.3*	187.1	152.8	208.9	293.1	196.4	106.0	56.1	56.1
82.5°	134.1	*121.6*	96.6	46.8	56.1	177.7	71.7	59.2	18.7	18.7
85°	56.1	*37.4*	24.9	9.4	21.8	46.8	24.9	28.1	9.4	9.4
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

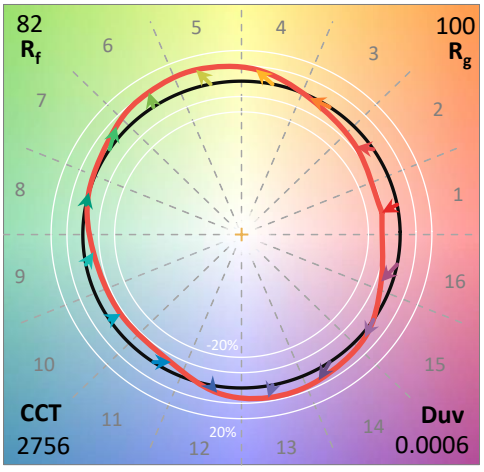
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

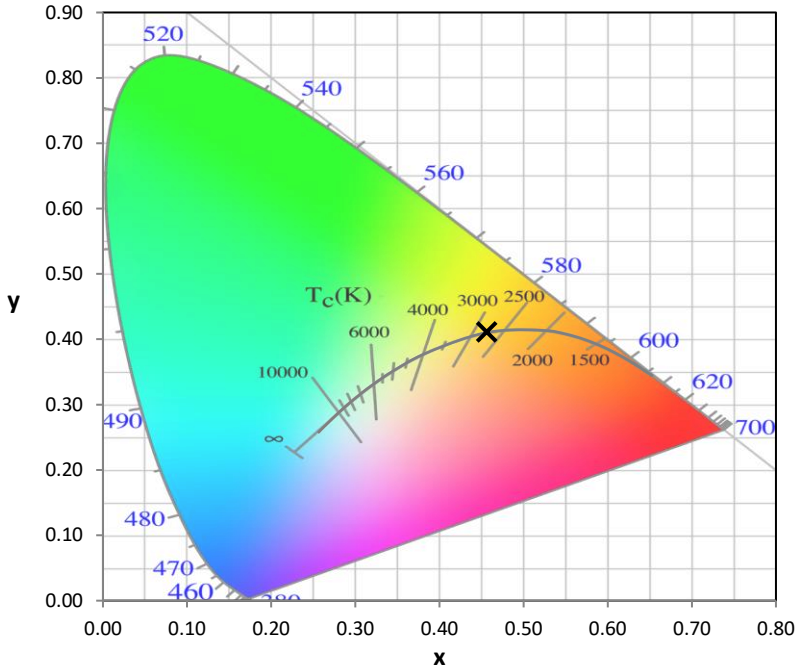
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

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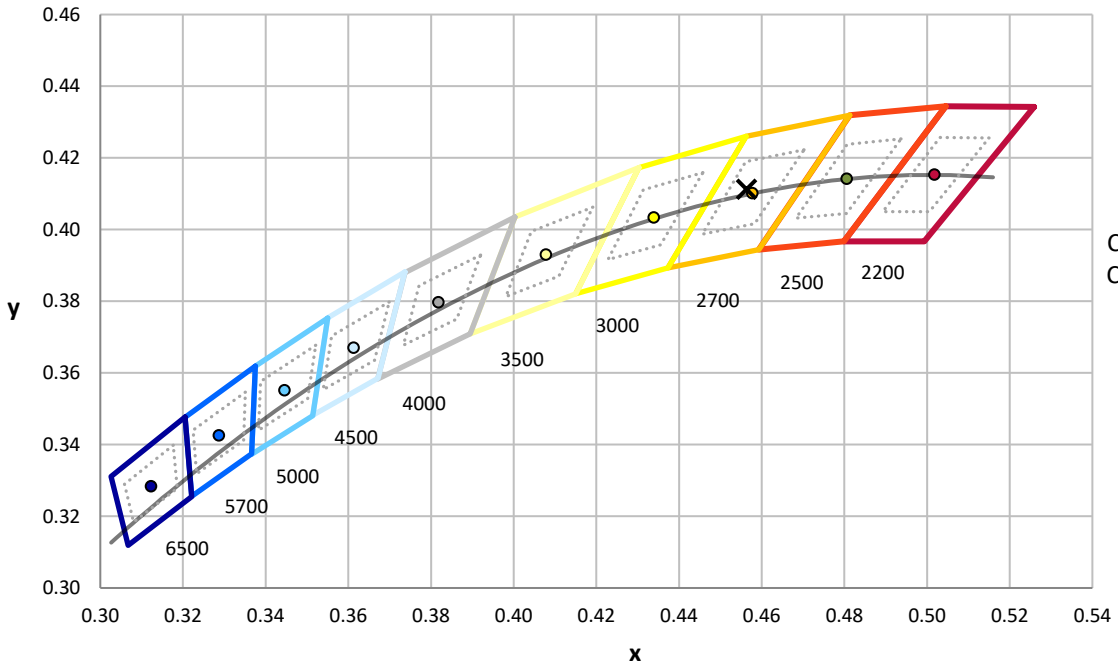
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

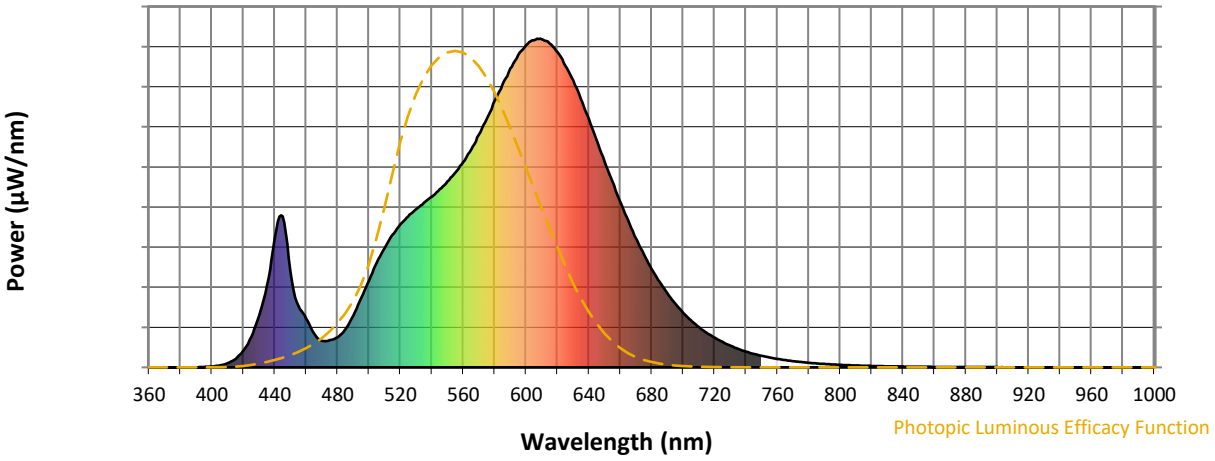


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

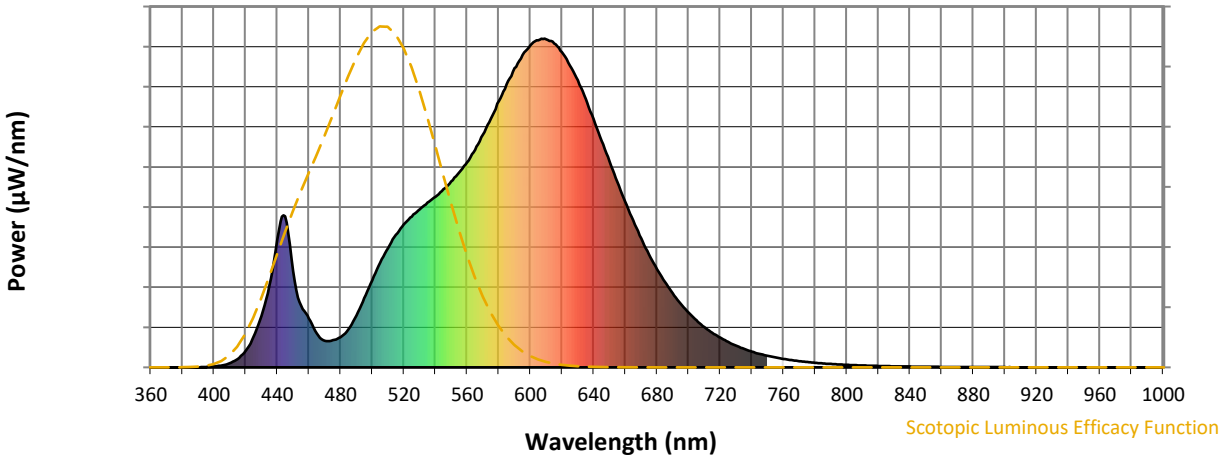


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

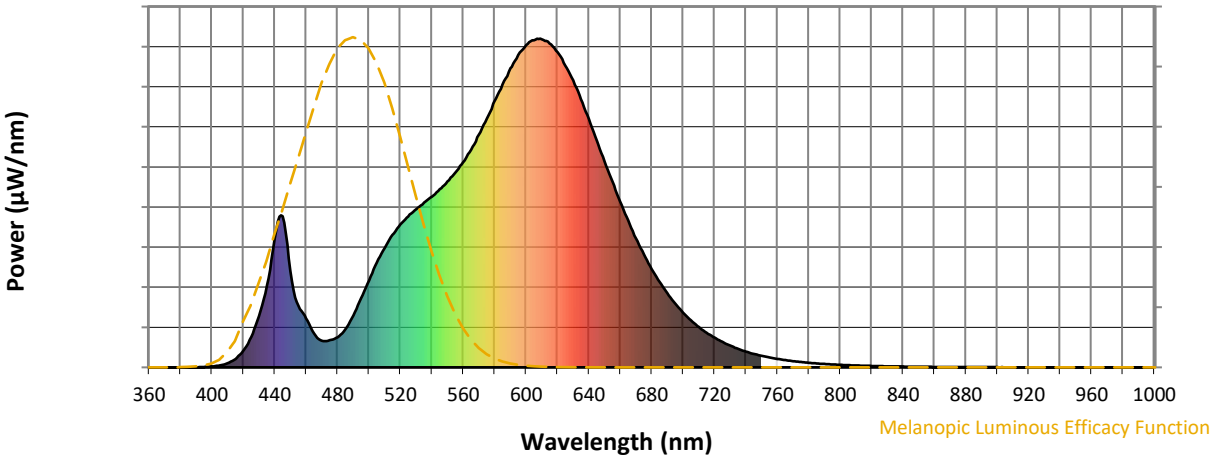


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

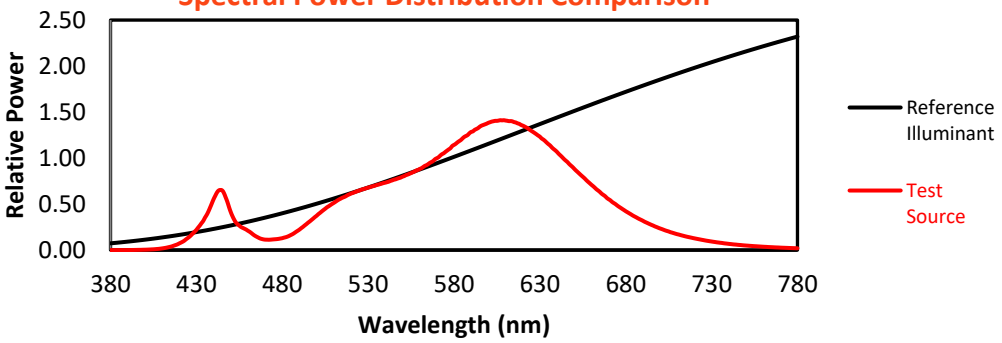
REPORT NUMBER: SP1-2407-184-8

TM-30-18

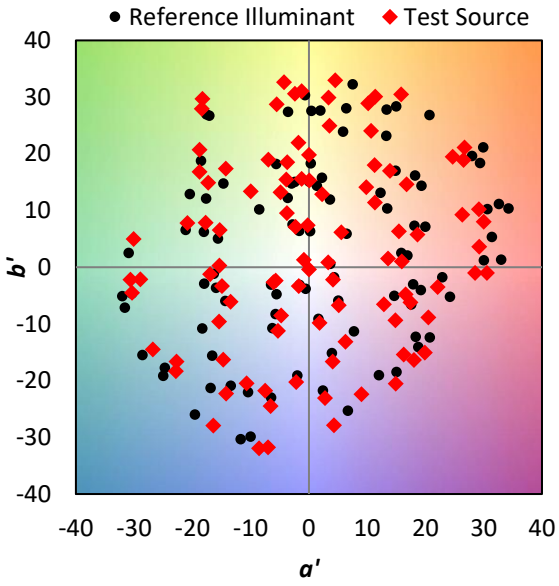
Summary

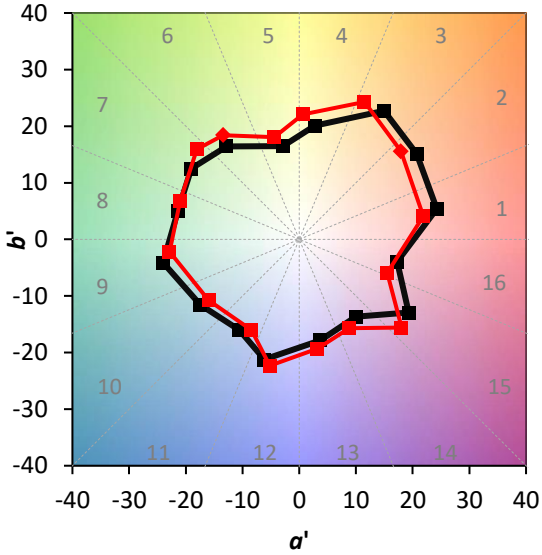
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

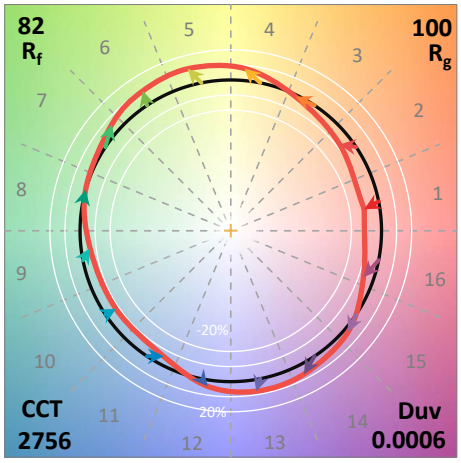
Spectral Power Distribution Comparison

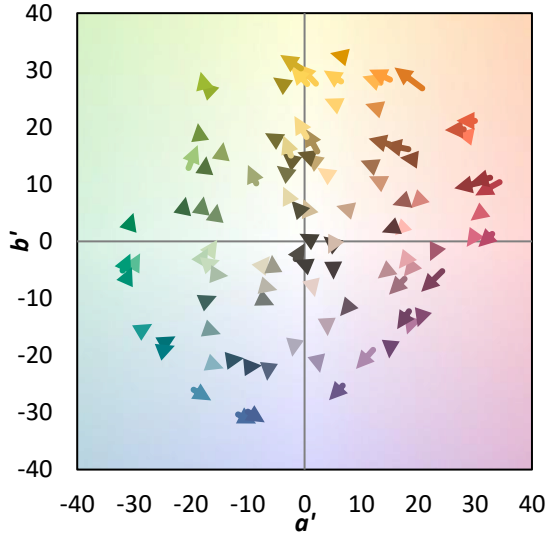


Color Vector Graphics







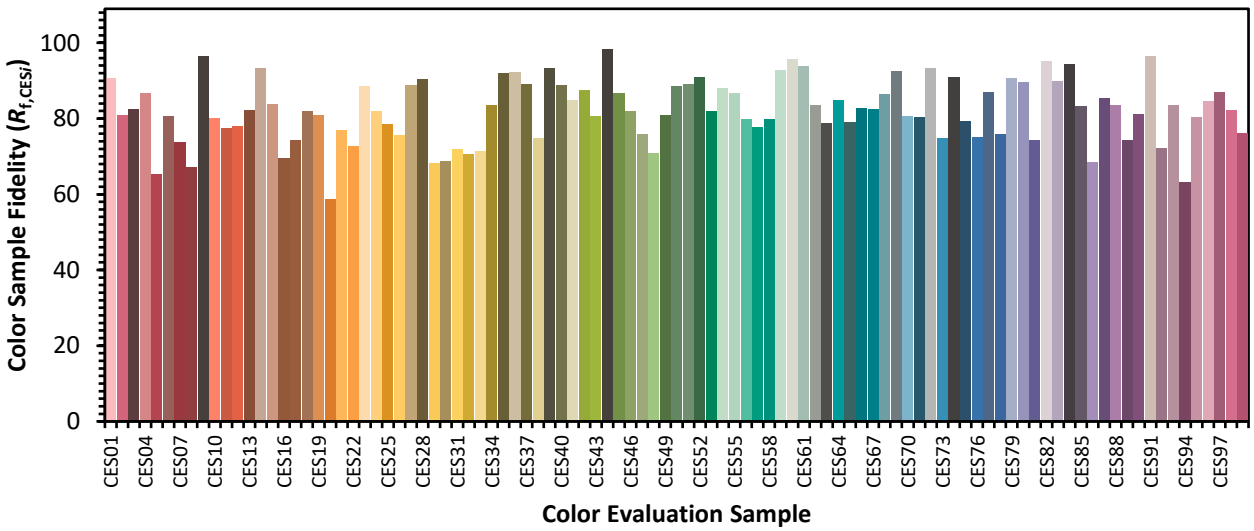


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Individual Sample Fidelity Index ($R_{f,i}$)

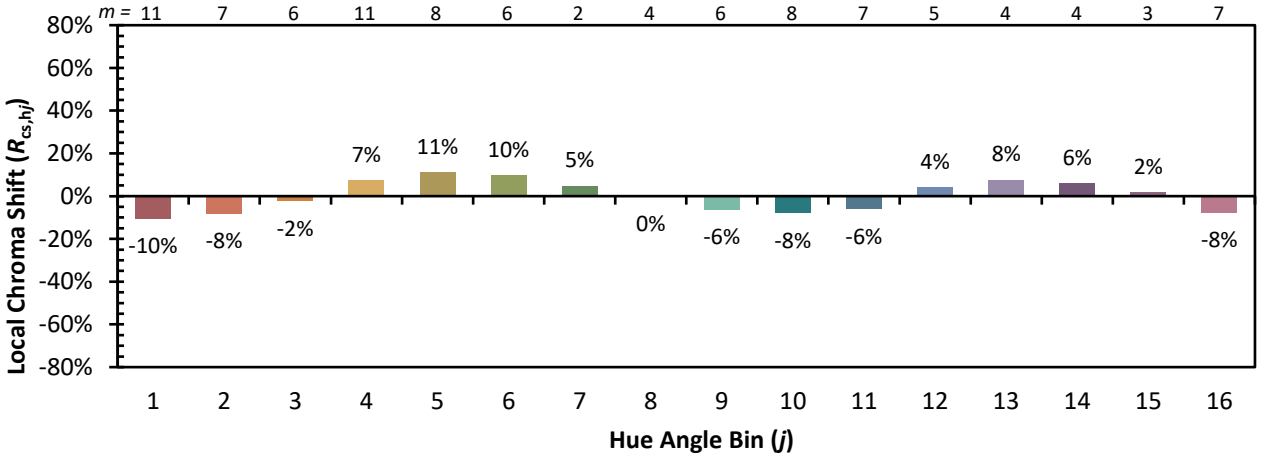
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
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CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

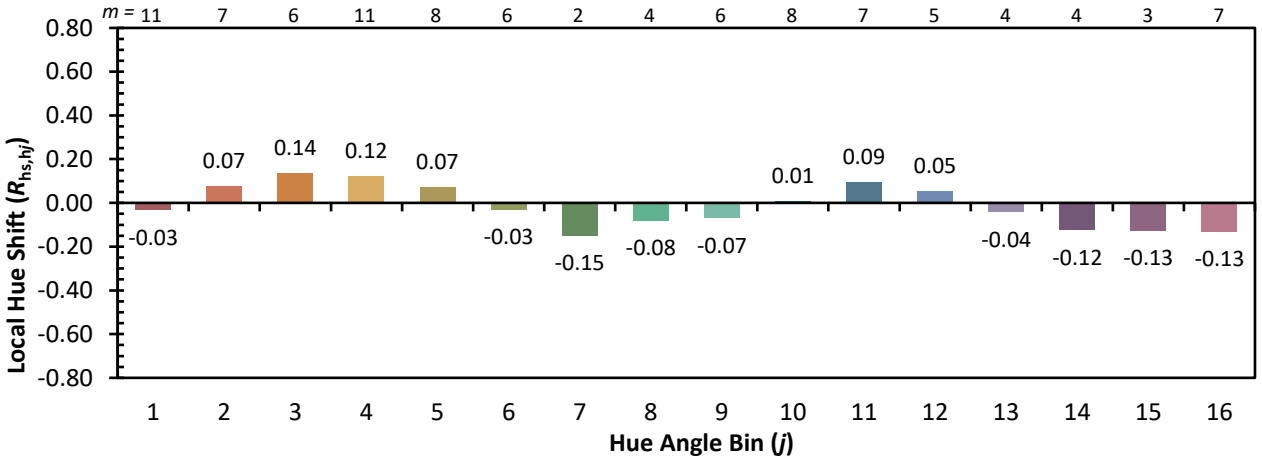


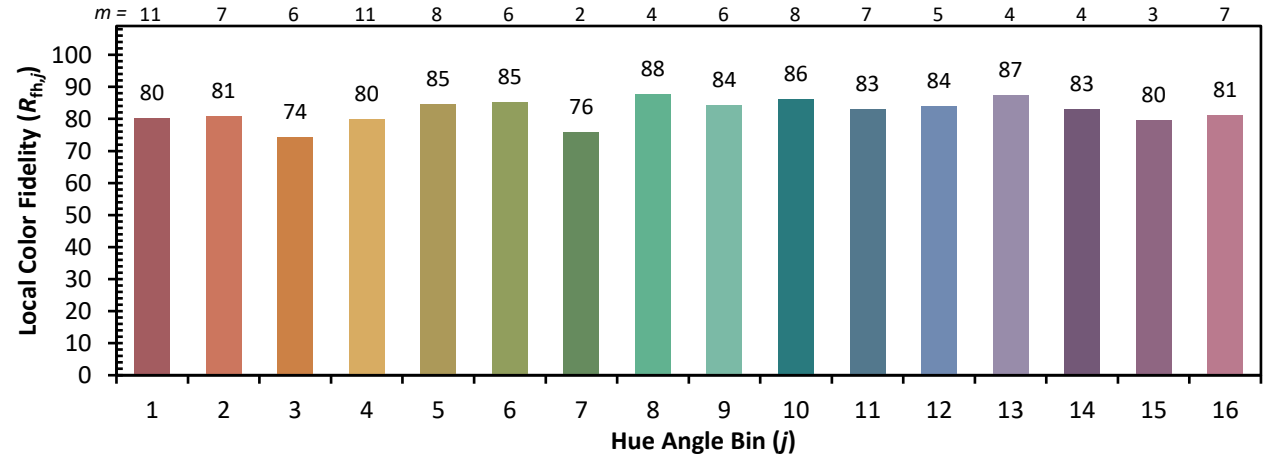
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Color Rendition by Hue-Angle Bin



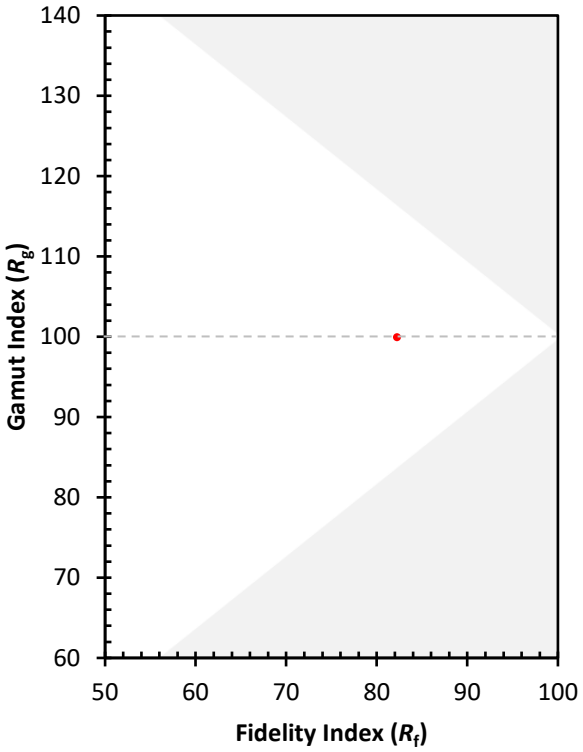


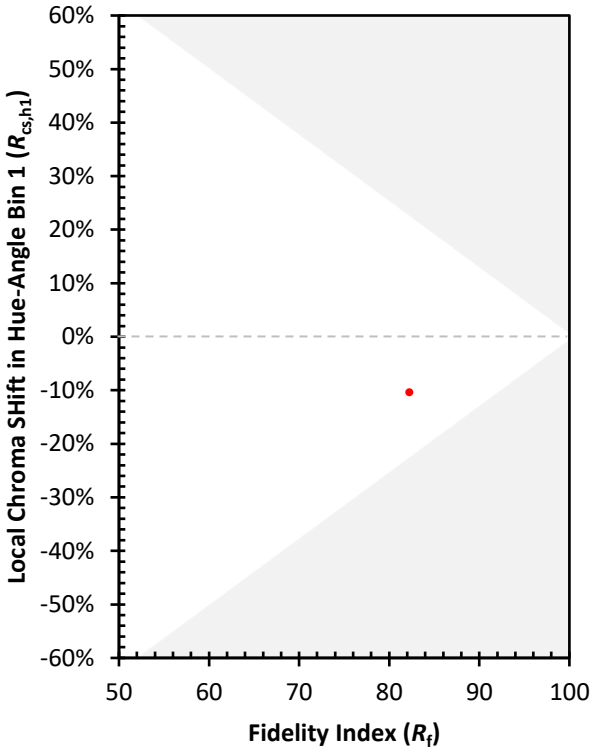


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Measure Comparisons





(END OF REPORT)