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: P1501746

Luminaire Tested: GSS-SB4B-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:	P1501746
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14704.4 lumens
Efficiency:	N/A
Efficacy:	99.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

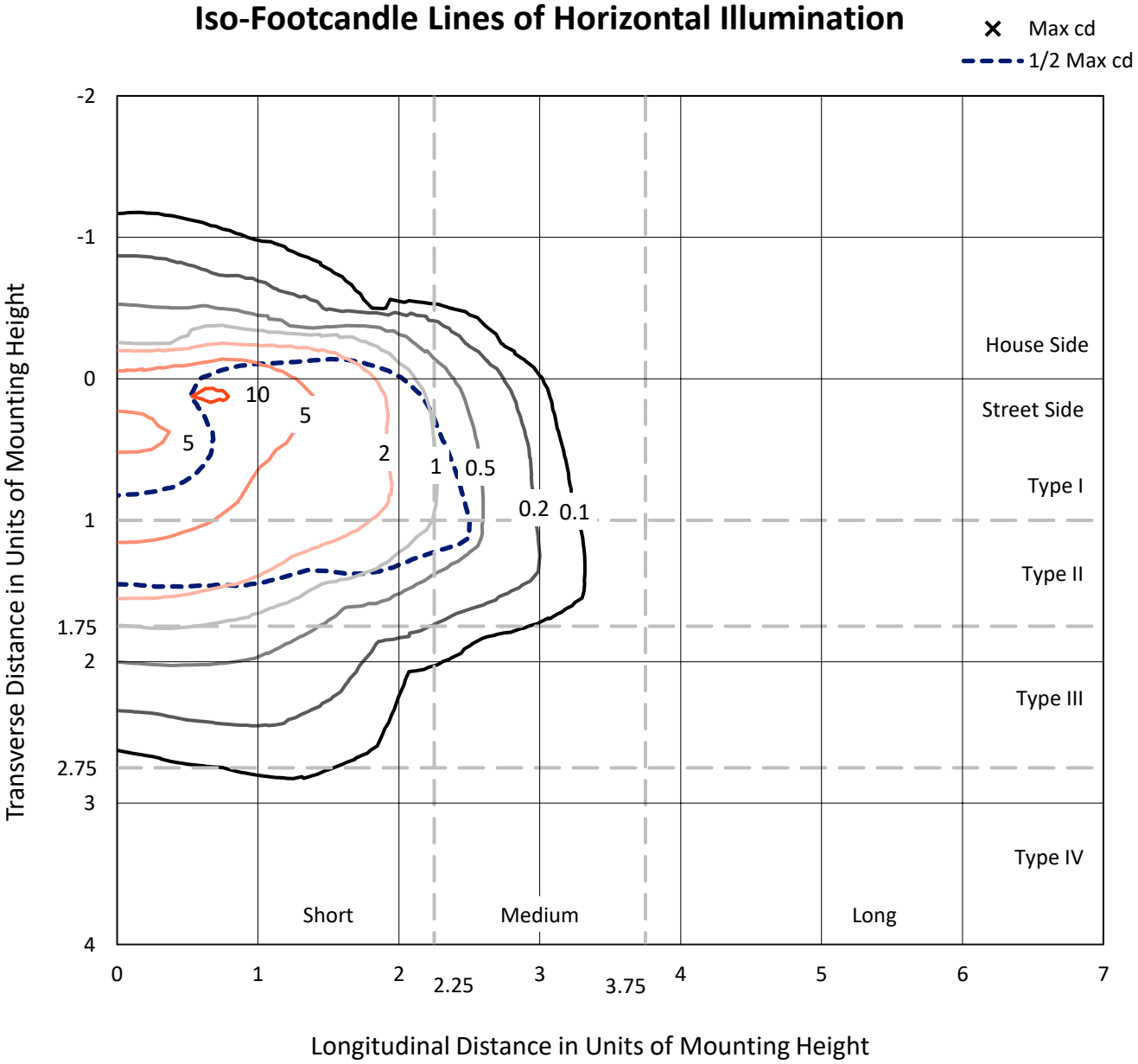
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



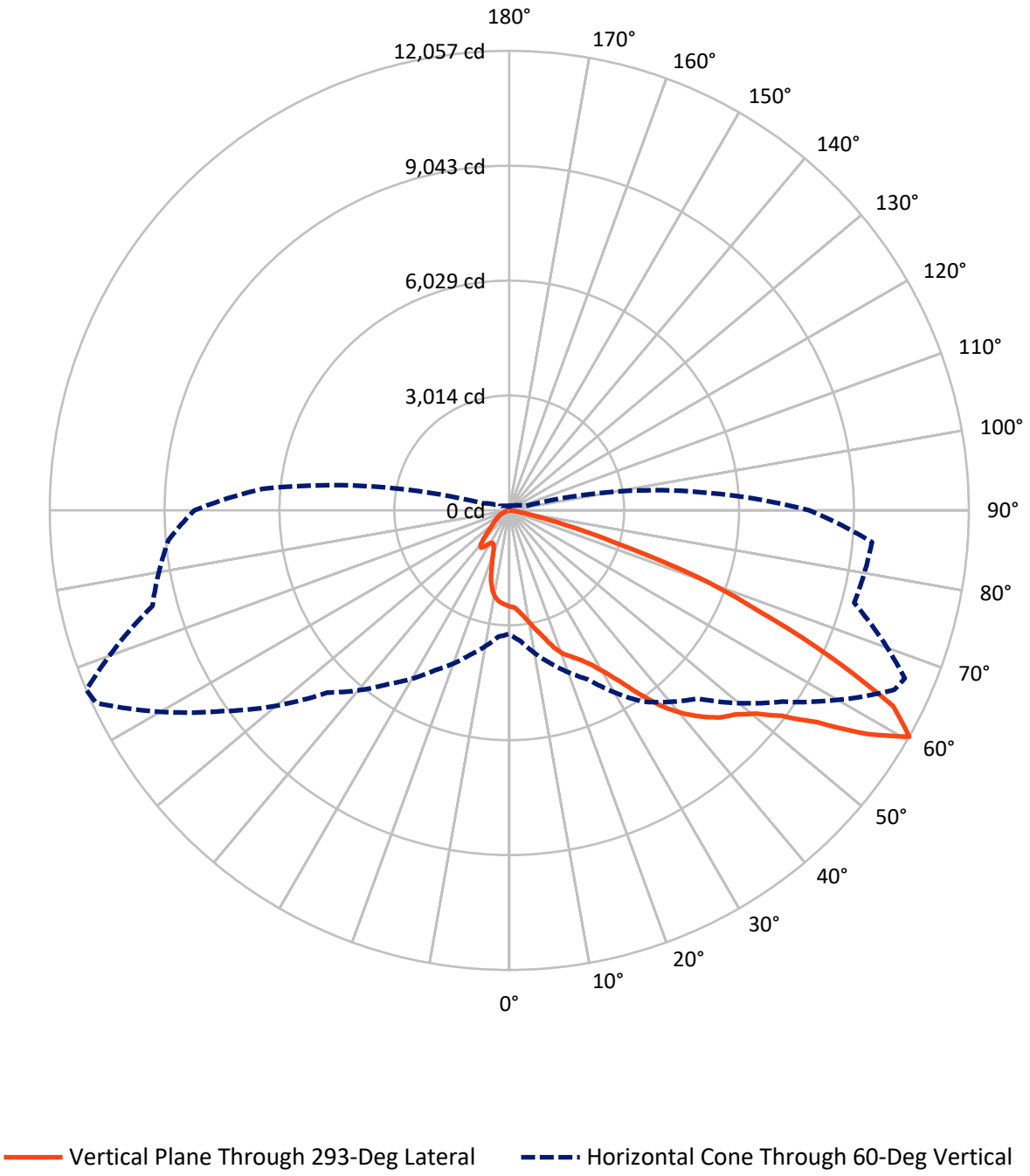
Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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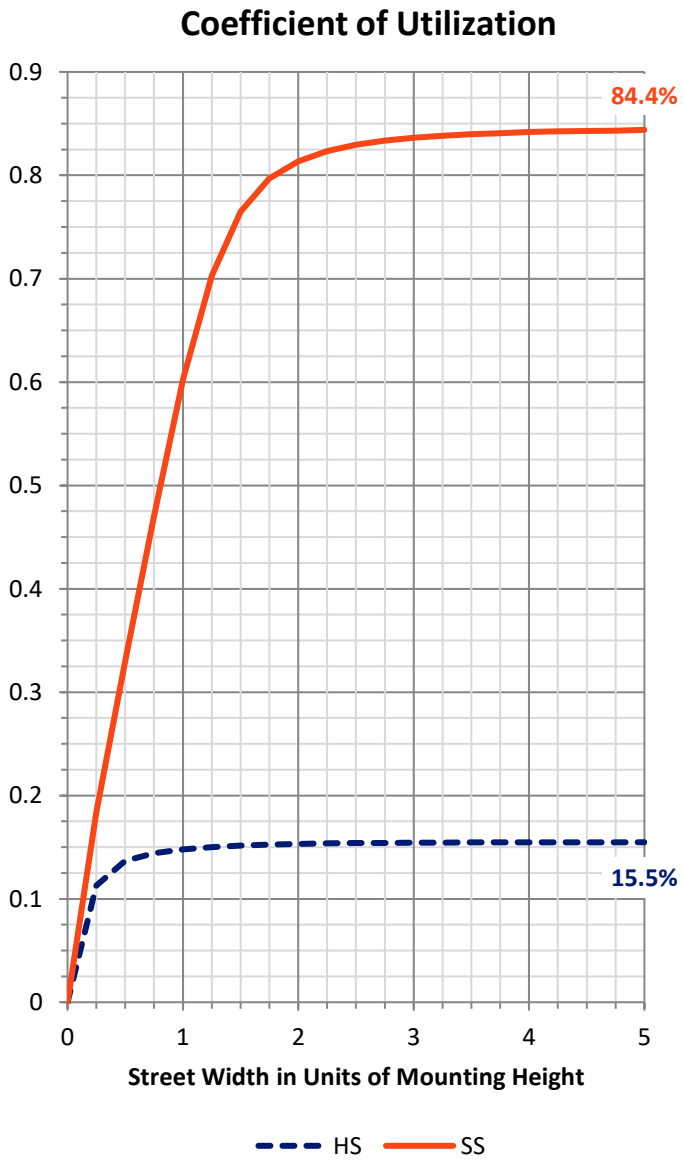
REPORT NUMBER: P1501746
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2294.2	0.0	2294.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	12410.2	0.0	12410.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	14704.4	0.0	14704.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.2	1.6
10°-20°	574.7	3.9
20°-30°	1072.9	7.3
30°-40°	2127.7	14.5
40°-50°	3392.3	23.1
50°-60°	4052.9	27.6
60°-70°	2657.0	18.1
70°-80°	556.7	3.8
80°-90°	42.1	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°	14704.4	100.0
0°-180°	14704.4	100.0



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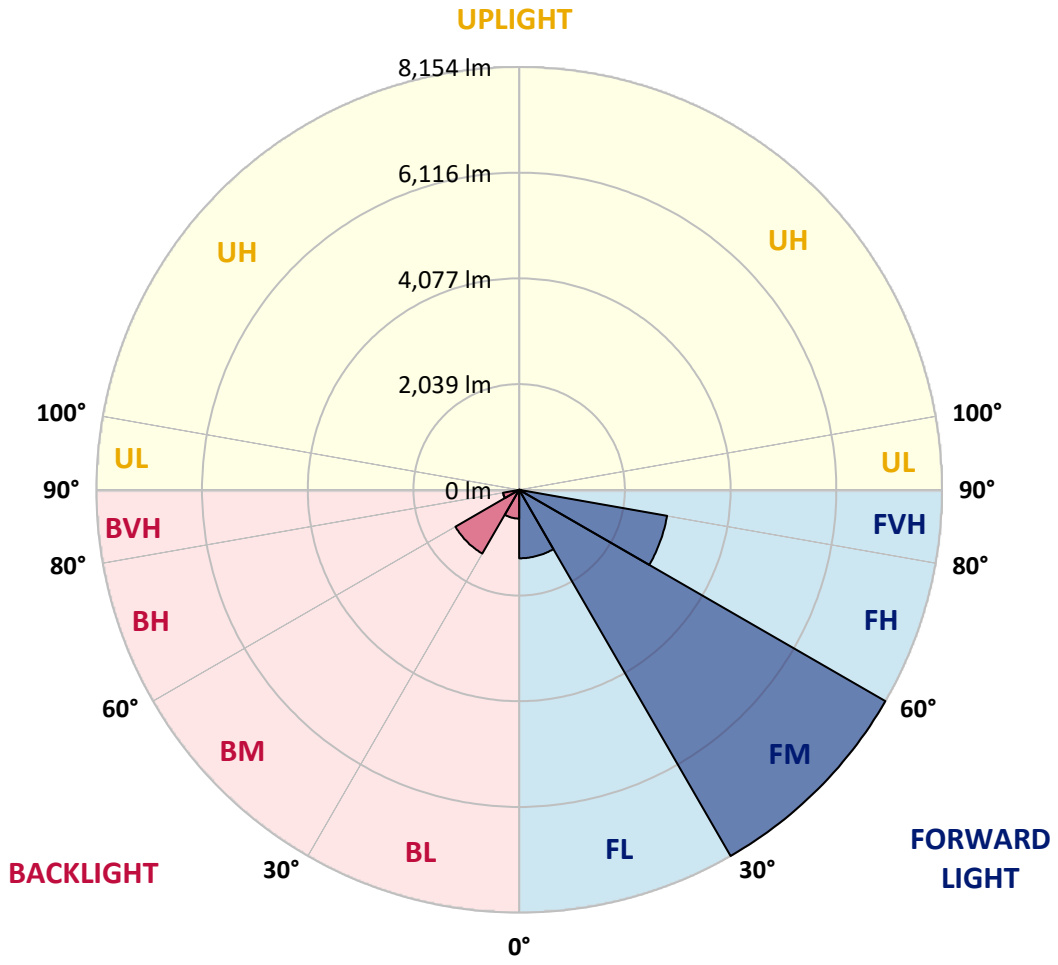
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1320.8	9.0			
FM	(30°-60°)	8154.2	55.5			
FH	(60°-80°)	2896.7	19.7			G2/5000
FVH	(80°-90°)	38.6	0.3			G1/100
BL	(0°-30°)	555.0	3.8	B2/1000		
BM	(30°-60°)	1418.8	9.6	B2/2500		
BH	(60°-80°)	316.9	2.2	B1/500		G1/500
BVH	(80°-90°)	3.5	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°	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2
2.5°	2647.8	2639.6	2627.3	2631.4	2627.3	2610.8	2586.1	2565.5	2582.0	2557.3	2540.8
5°	2726.1	2726.1	2717.9	2717.9	2722.0	2713.7	2697.3	2668.4	2672.6	2652.0	2598.4
7.5°	2726.1	2713.7	2734.3	2754.9	2792.0	2812.6	2820.8	2804.3	2812.6	2771.4	2701.4
10°	2565.5	2557.3	2610.8	2689.0	2796.1	2890.8	2952.6	2956.7	2969.0	2927.9	2845.5
12.5°	2223.7	2207.2	2314.3	2462.5	2680.8	2899.0	3072.0	3137.9	3166.7	3150.2	3034.9
15°	1906.6	1927.2	2001.3	2161.9	2454.3	2787.9	3137.9	3356.1	3397.3	3417.9	3282.0
17.5°	1873.7	1877.8	1902.5	1980.7	2203.1	2606.7	3146.1	3582.6	3640.3	3730.9	3545.6
20°	1964.3	1956.0	1980.7	2005.4	2112.5	2446.1	3067.9	3800.9	3912.1	4105.6	3903.8
22.5°	2133.1	2133.1	2145.5	2161.9	2215.5	2433.7	3034.9	4002.7	4192.1	4587.4	4352.7
25°	2417.2	2384.3	2392.5	2371.9	2417.2	2582.0	3109.1	4163.3	4422.7	5122.7	4888.0
27.5°	2857.9	2870.2	2796.1	2684.9	2709.6	2849.6	3290.2	4344.4	4661.5	5678.7	5431.6
30°	3467.3	3446.7	3401.4	3183.2	3084.4	3207.9	3623.8	4640.9	4982.7	6382.8	6156.3
32.5°	3945.0	4002.7	3924.4	3772.1	3619.7	3656.7	4093.3	5118.6	5373.9	7029.4	6905.8
35°	4521.5	4521.5	4538.0	4323.9	4220.9	4212.7	4682.1	5637.5	5892.8	7614.1	7700.6
37.5°	5299.8	5246.3	5155.7	4916.8	4838.6	4941.6	5233.9	6172.8	6448.7	8087.7	8318.3
40°	5954.6	5991.6	5979.3	5633.4	5481.0	5592.2	5851.6	6629.9	6844.0	8392.4	8816.6
42.5°	6597.0	6617.6	6564.0	6399.3	6176.9	6185.2	6399.3	6975.8	7194.1	8684.8	9286.0
45°	7078.8	7074.7	7037.6	6996.4	6864.6	6728.7	6765.8	7358.8	7548.2	8779.5	9541.3
47.5°	7231.1	7264.1	7297.0	7412.3	7502.9	7288.8	7099.4	7564.7	7737.6	8763.0	9636.0
50°	7091.1	7161.1	7321.7	7494.7	7803.5	7787.1	7379.4	7787.1	7955.9	8853.6	9747.2
52.5°	6778.2	6848.2	7062.3	7375.3	7840.6	8071.2	7898.2	8161.8	8359.5	9084.2	9977.8
55°	6049.3	6078.1	6518.7	6930.5	7655.3	7947.7	8454.2	8796.0	8960.7	9364.2	10282.5
57.5°	4925.1	4995.1	5427.5	6098.7	7136.4	7622.3	8771.3	9879.0	9874.9	9631.9	10348.4
60°	*3240.8*	*3446.7*	*4150.9*	*4892.1*	*6131.6*	*6984.1*	*8750.7*	*11147.3*	*11275.0*	*9368.4*	*9553.7*
62.5°	2474.9	2561.4	2960.8	3578.5	4538.0	5789.9	8614.8	11526.2	11625.0	8660.1	8363.6
65°	1861.3	1968.4	2351.4	2903.2	3203.8	3924.4	7725.3	10019.0	10154.9	7729.4	6502.3
67.5°	1140.7	1227.2	1737.8	2384.3	2425.5	2437.8	5213.3	7589.4	7638.8	6234.6	4377.4
70°	761.8	848.3	1202.4	1832.5	1931.3	1404.2	2862.0	5744.6	5740.4	4266.2	2660.2
72.5°	440.6	481.8	761.8	1350.7	1519.5	893.6	1428.9	3652.6	3492.0	2005.4	1243.6
75°	251.2	280.0	420.0	868.9	1066.6	568.3	564.2	1956.0	1729.5	1033.6	679.5
77.5°	152.4	164.7	230.6	568.3	642.4	383.0	313.0	910.1	877.1	605.3	358.3
80°	74.1	86.5	140.0	333.6	411.8	205.9	189.4	358.3	383.0	333.6	189.4
82.5°	24.7	32.9	78.2	127.7	267.7	82.4	78.2	197.7	210.0	197.7	90.6
85°	12.4	16.5	37.1	41.2	102.9	41.2	28.8	86.5	107.1	65.9	37.1
87.5°	0.0	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2	8.2
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°	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2
2.5°	2528.4	2520.2	2503.7	2474.9	2470.8	2450.2	2417.2	2396.7	2380.2	2392.5	2396.7
5°	2573.7	2553.1	2503.7	2425.5	2343.1	2260.8	2182.5	2091.9	2030.2	2021.9	2005.4
7.5°	2656.1	2614.9	2507.8	2355.5	2145.5	1947.8	1717.2	1494.8	1383.6	1367.2	1330.1
10°	2787.9	2717.9	2540.8	2231.9	1828.4	1416.6	1066.6	827.7	691.8	667.1	675.3
12.5°	2944.3	2845.5	2544.9	2021.9	1391.9	877.1	605.3	514.7	485.9	473.6	473.6
15°	3146.1	3002.0	2540.8	1750.1	938.9	564.2	485.9	448.9	436.5	428.3	428.3
17.5°	3401.4	3212.0	2512.0	1342.5	634.2	490.0	444.7	415.9	399.4	395.3	395.3
20°	3702.0	3446.7	2446.1	1000.7	531.2	457.1	420.0	383.0	370.6	362.4	362.4
22.5°	4085.0	3730.9	2318.4	778.3	502.4	436.5	395.3	354.1	341.8	333.6	333.6
25°	4529.8	4093.3	2149.6	700.1	498.3	420.0	370.6	329.4	317.1	313.0	308.8
27.5°	5056.9	4480.3	1993.1	704.2	506.5	407.7	345.9	308.8	296.5	284.1	288.3
30°	5678.7	4879.8	1865.4	753.6	514.7	395.3	329.4	296.5	284.1	267.7	267.7
32.5°	6292.2	5349.2	1853.1	844.2	543.6	387.1	313.0	280.0	267.7	255.3	255.3
35°	6922.3	5777.5	1923.1	963.6	601.2	374.7	292.4	263.5	251.2	243.0	238.8
37.5°	7523.5	6119.3	1989.0	1037.7	568.3	321.2	267.7	243.0	230.6	214.1	214.1
40°	7923.0	6304.6	2001.3	980.1	469.4	288.3	243.0	218.3	201.8	193.5	189.4
42.5°	8215.3	6424.0	1861.3	794.8	407.7	263.5	222.4	197.7	185.3	177.1	177.1
45°	8334.8	6382.8	1622.5	605.3	374.7	243.0	201.8	181.2	173.0	164.7	164.7
47.5°	8318.3	6193.4	1379.5	485.9	341.8	222.4	189.4	173.0	164.7	156.5	152.4
50°	8289.5	6016.3	1132.4	432.4	304.7	210.0	177.1	164.7	152.4	144.1	140.0
52.5°	8478.9	5958.7	938.9	395.3	284.1	201.8	173.0	156.5	144.1	135.9	135.9
55°	8668.3	5983.4	737.1	370.6	263.5	197.7	168.8	152.4	140.0	127.7	127.7
57.5°	8656.0	5876.3	560.0	345.9	247.1	193.5	164.7	148.2	127.7	119.4	119.4
60°	*7869.4*	*5242.2*	*436.5*	*317.1*	*226.5*	*181.2*	*152.4*	*140.0*	*119.4*	*107.1*	*107.1*
62.5°	6654.6	4122.1	358.3	280.0	201.8	164.7	140.0	127.7	107.1	86.5	86.5
65°	4916.8	2973.2	288.3	243.0	185.3	144.1	127.7	111.2	86.5	70.0	65.9
67.5°	3327.3	1828.4	230.6	201.8	164.7	123.5	107.1	94.7	78.2	57.7	53.5
70°	1972.5	971.8	168.8	140.0	123.5	90.6	90.6	82.4	65.9	49.4	45.3
72.5°	938.9	337.7	123.5	102.9	94.7	65.9	70.0	70.0	53.5	37.1	32.9
75°	477.7	164.7	82.4	74.1	61.8	49.4	57.7	53.5	37.1	24.7	24.7
77.5°	271.8	115.3	57.7	49.4	41.2	32.9	37.1	32.9	20.6	12.4	12.4
80°	152.4	82.4	37.1	32.9	24.7	20.6	20.6	16.5	12.4	4.1	4.1
82.5°	57.7	49.4	24.7	16.5	12.4	12.4	8.2	8.2	4.1	0.0	0.0
85°	24.7	12.4	12.4	8.2	8.2	4.1	4.1	4.1	0.0	0.0	0.0
87.5°	4.1	4.1	4.1	4.1	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°	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2
2.5°	2363.7	2371.9	2380.2	2413.1	2421.4	2446.1	2466.7	2491.4	2495.5	2528.4	2528.4
5°	2038.4	2034.3	2104.3	2207.2	2273.1	2363.7	2433.7	2507.8	2549.0	2602.6	2627.3
7.5°	1350.7	1453.6	1610.1	1791.3	2026.0	2244.3	2409.0	2553.1	2652.0	2713.7	2738.4
10°	671.2	728.9	893.6	1190.1	1589.5	2034.3	2384.3	2652.0	2812.6	2882.6	2927.9
12.5°	473.6	485.9	514.7	675.3	1058.3	1688.4	2306.1	2759.0	2981.4	3113.2	3170.8
15°	424.1	432.4	444.7	490.0	654.8	1260.1	2166.0	2878.5	3245.0	3397.3	3471.4
17.5°	391.2	395.3	407.7	444.7	514.7	856.5	1939.6	3006.1	3562.0	3747.3	3887.4
20°	362.4	362.4	374.7	420.0	477.7	658.9	1614.2	3150.2	3965.6	4233.3	4373.3
22.5°	329.4	337.7	345.9	395.3	465.3	601.2	1309.5	3261.4	4414.5	4739.8	4904.5
25°	304.7	313.0	321.2	370.6	453.0	601.2	1132.4	3331.4	4916.8	5303.9	5530.4
27.5°	284.1	292.4	304.7	354.1	440.6	625.9	1062.4	3352.0	5464.5	5966.9	6271.7
30°	267.7	275.9	288.3	341.8	448.9	654.8	1087.1	3323.2	6020.5	6650.5	7012.9
32.5°	251.2	259.4	271.8	329.4	448.9	691.8	1169.5	3265.5	6559.9	7334.1	7778.8
35°	238.8	243.0	247.1	296.5	407.7	687.7	1272.4	3207.9	7103.5	8009.4	8528.3
37.5°	214.1	218.3	226.5	255.3	325.3	625.9	1293.0	3137.9	7531.7	8577.7	9150.1
40°	189.4	197.7	205.9	234.7	271.8	506.5	1202.4	2989.6	7758.2	9014.2	9710.1
42.5°	173.0	177.1	185.3	214.1	251.2	403.6	1008.9	2730.2	7960.0	9310.7	10117.8
45°	160.6	164.7	173.0	193.5	234.7	350.0	794.8	2413.1	7976.5	9405.4	10315.5
47.5°	148.2	152.4	156.5	177.1	226.5	313.0	609.5	2124.9	7972.4	9529.0	10484.3
50°	140.0	144.1	152.4	168.8	214.1	280.0	502.4	1890.1	8145.3	9796.6	10826.1
52.5°	135.9	135.9	148.2	164.7	201.8	255.3	420.0	1680.1	8235.9	10060.2	11073.2
55°	127.7	131.8	140.0	156.5	189.4	243.0	358.3	1416.6	8277.1	10191.9	11118.5
57.5°	119.4	123.5	135.9	148.2	181.2	230.6	308.8	1058.3	7688.2	9504.3	10360.8
60°	*107.1*	*115.3*	*131.8*	*144.1*	*168.8*	*210.0*	*271.8*	*716.5*	*6485.8*	*8260.6*	*8977.2*
62.5°	86.5	102.9	119.4	127.7	152.4	177.1	230.6	477.7	5180.4	6835.8	7651.2
65°	65.9	86.5	98.8	111.2	127.7	148.2	193.5	325.3	3455.0	4599.8	5518.1
67.5°	57.7	74.1	82.4	90.6	107.1	127.7	156.5	226.5	2096.0	2763.2	3669.1
70°	45.3	61.8	70.0	65.9	82.4	98.8	111.2	152.4	1070.7	1498.9	2087.8
72.5°	32.9	49.4	53.5	53.5	49.4	70.0	82.4	107.1	465.3	728.9	947.1
75°	24.7	32.9	37.1	32.9	28.8	45.3	57.7	70.0	304.7	436.5	551.8
77.5°	12.4	12.4	20.6	20.6	12.4	24.7	28.8	41.2	173.0	255.3	317.1
80°	4.1	0.0	0.0	4.1	0.0	8.2	12.4	20.6	90.6	135.9	197.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	45.3	41.2	102.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	24.7
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

REPORT NUMBER: P1501746
CATALOG NUMBER: GSS-SB4B-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2	2520.2
2.5°	2549.0	2549.0	2565.5	2590.2	2602.6	2610.8	2614.9	2623.1	2656.1	2647.8
5°	2656.1	2664.3	2676.7	2701.4	2730.2	2722.0	2722.0	2722.0	2742.6	2726.1
7.5°	2796.1	2820.8	2824.9	2853.7	2833.2	2792.0	2767.3	2730.2	2726.1	2726.1
10°	3022.6	3014.3	3014.3	2977.3	2903.2	2783.7	2676.7	2602.6	2561.4	2565.5
12.5°	3265.5	3232.6	3236.7	3100.8	2890.8	2627.3	2409.0	2248.4	2236.1	2223.7
15°	3566.2	3479.7	3463.2	3150.2	2705.5	2301.9	2087.8	1960.1	1919.0	1906.6
17.5°	3994.4	3776.2	3697.9	3063.8	2462.5	2100.2	1939.6	1881.9	1877.8	1873.7
20°	4447.4	4015.0	3866.8	2936.1	2380.2	2104.3	1984.9	1968.4	1960.1	1964.3
22.5°	4974.5	4167.4	3977.9	2956.7	2454.3	2240.2	2145.5	2133.1	2124.9	2133.1
25°	5518.1	4344.4	4109.7	3121.4	2676.7	2491.4	2380.2	2355.5	2380.2	2417.2
27.5°	6065.8	4583.3	4369.2	3446.7	3034.9	2833.2	2726.1	2816.7	2853.7	2857.9
30°	6551.7	4916.8	4719.2	3903.8	3442.6	3240.8	3261.4	3376.7	3422.0	3467.3
32.5°	6996.4	5361.6	5209.2	4422.7	3969.7	3850.3	3837.9	3924.4	3973.8	3945.0
35°	7445.3	5942.2	5794.0	4986.8	4616.2	4517.4	4414.5	4583.3	4566.8	4521.5
37.5°	7869.4	6527.0	6391.1	5592.2	5209.2	5036.3	5019.8	5172.2	5308.0	5299.8
40°	8174.1	7000.5	6835.8	6193.4	5831.0	5682.8	5769.3	6032.8	5999.9	5954.6
42.5°	8454.2	7404.1	7255.8	6720.5	6341.7	6407.5	6485.8	6662.9	6642.3	6597.0
45°	8585.9	7750.0	7622.3	7120.0	6934.6	7144.7	7140.5	7206.4	7095.2	7078.8
47.5°	8771.3	7997.1	7865.3	7478.2	7642.9	7729.4	7486.5	7416.4	7313.5	7231.1
50°	9113.0	8380.0	8248.3	8021.8	8161.8	7894.1	7597.6	7445.3	7235.3	7091.1
52.5°	9512.5	8960.7	8845.4	8754.8	8363.6	7811.8	7432.9	7157.0	6901.7	6778.2
55°	10014.9	9817.2	9734.9	9236.6	8182.4	7474.1	7029.4	6514.6	6164.6	6049.3
57.5°	10179.6	11073.2	11044.4	9314.8	7675.9	6860.5	6057.5	5361.6	4999.2	4925.1
60°	9693.7	12057.4	11954.4	9183.0	6757.6	5567.5	4628.6	3916.2	3327.3	3240.8
62.5°	9071.9	11303.8	11266.7	8520.1	5147.4	3990.3	3459.1	2792.0	2540.8	2474.9
65°	7770.6	9248.9	9265.4	6835.8	3257.3	2866.1	2841.4	2219.6	1910.7	1861.3
67.5°	5983.4	7095.2	6979.9	4299.1	1898.4	2293.7	2269.0	1622.5	1173.6	1140.7
70°	3496.1	5283.3	5098.0	2236.1	1256.0	1914.9	1746.0	1140.7	798.9	761.8
72.5°	1544.2	2907.3	3121.4	984.2	885.4	1523.6	1260.1	700.1	448.9	440.6
75°	856.5	1441.3	1507.2	428.3	621.8	1083.0	761.8	391.2	255.3	251.2
77.5°	514.7	638.3	621.8	275.9	465.3	691.8	461.2	222.4	160.6	152.4
80°	288.3	292.4	247.1	201.8	275.9	387.1	259.4	140.0	74.1	74.1
82.5°	177.1	160.6	127.7	61.8	74.1	234.7	94.7	78.2	24.7	24.7
85°	74.1	49.4	32.9	12.4	28.8	61.8	32.9	37.1	12.4	12.4
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: SP1-2407-184-2

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

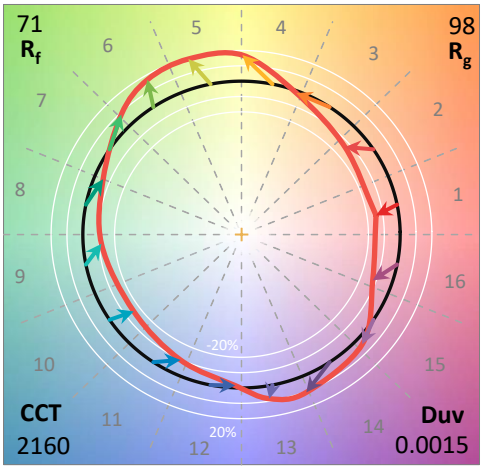
Test Information

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

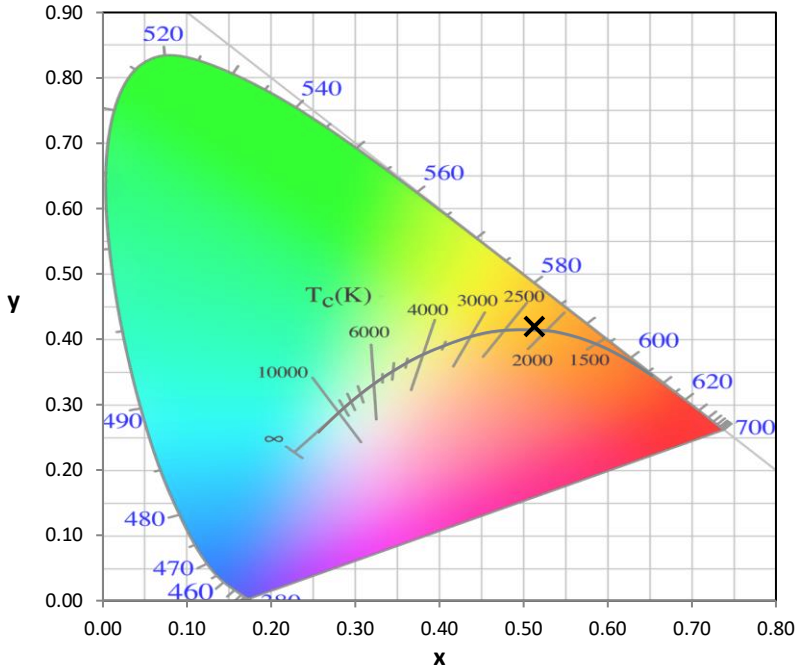
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

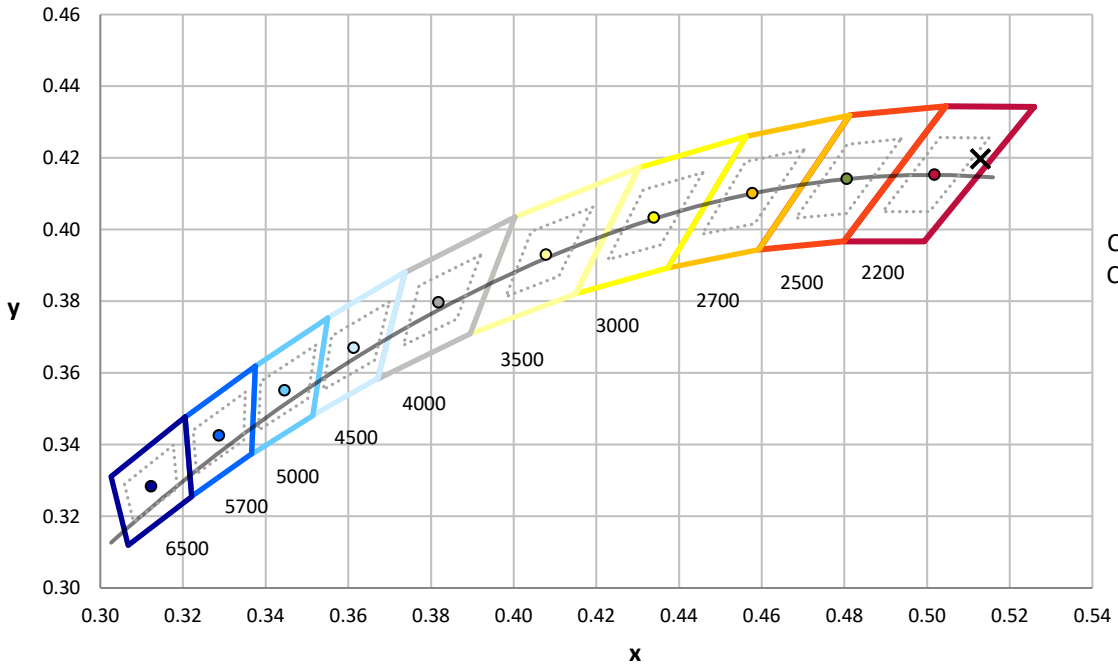
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

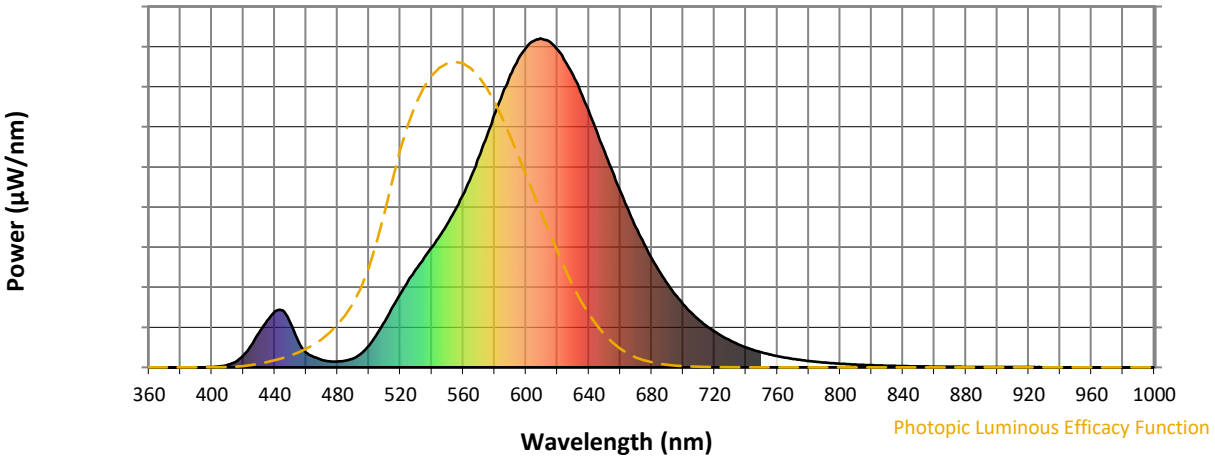


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

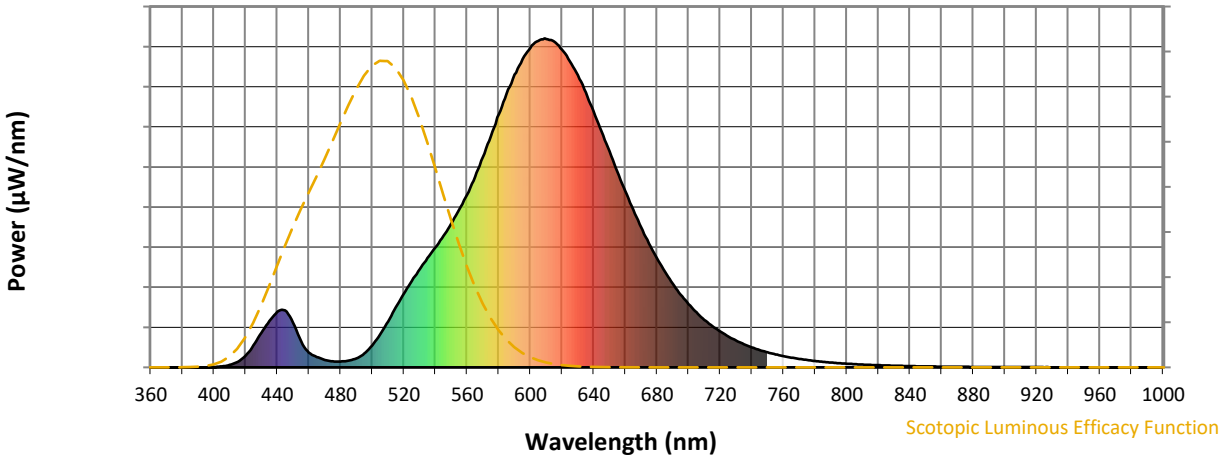


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength

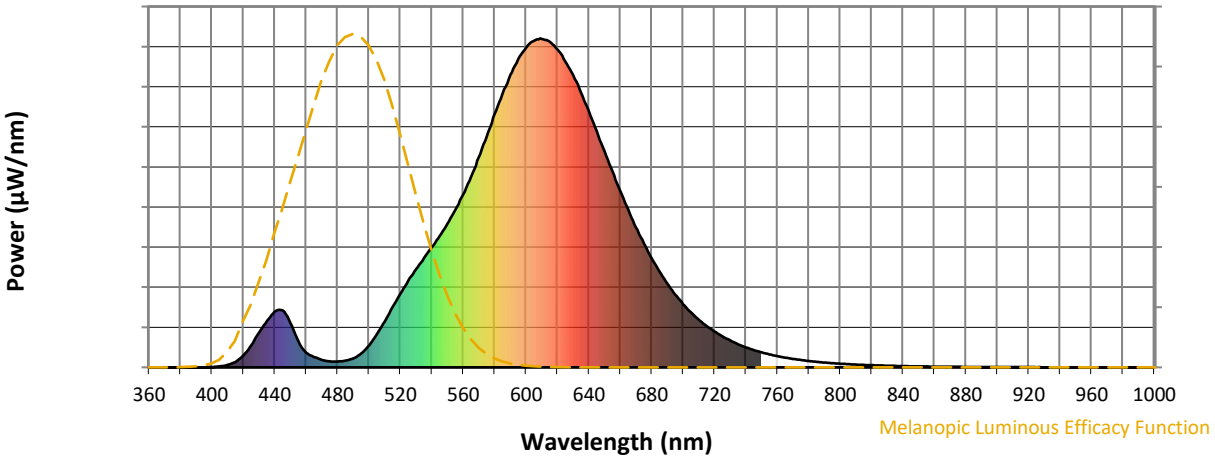


Scotopic Lumens: NR **S/P: 0.8**

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			

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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			

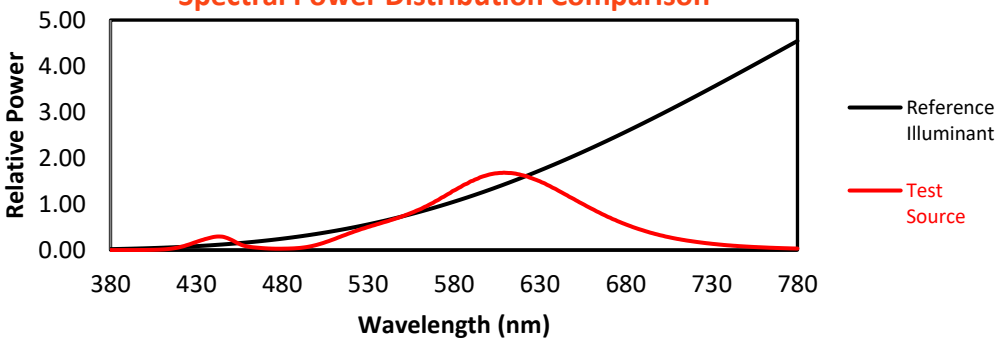
REPORT NUMBER: SP1-2407-184-2

TM-30-18

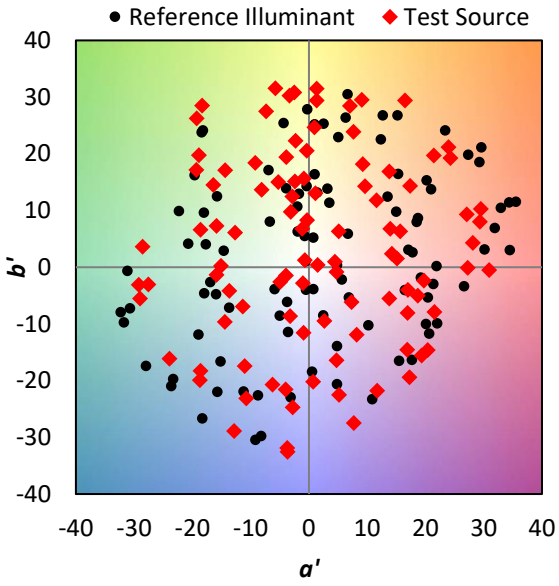
Summary

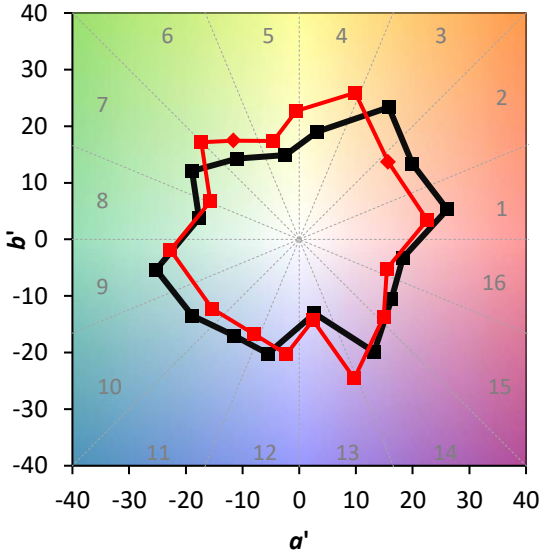
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

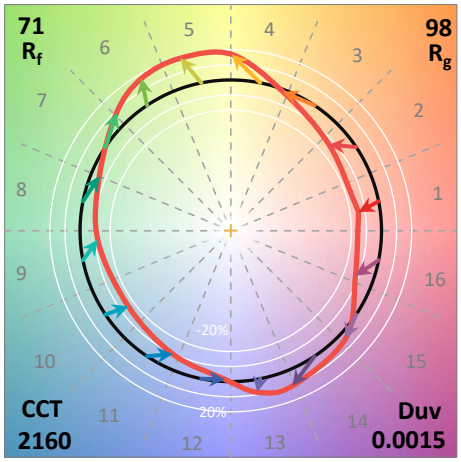
Spectral Power Distribution Comparison

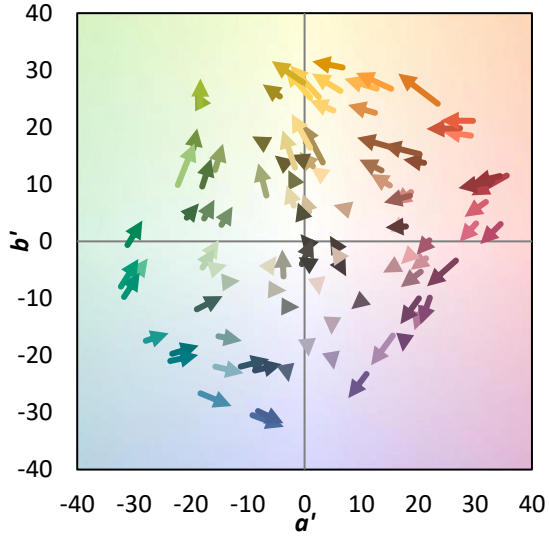


Color Vector Graphics







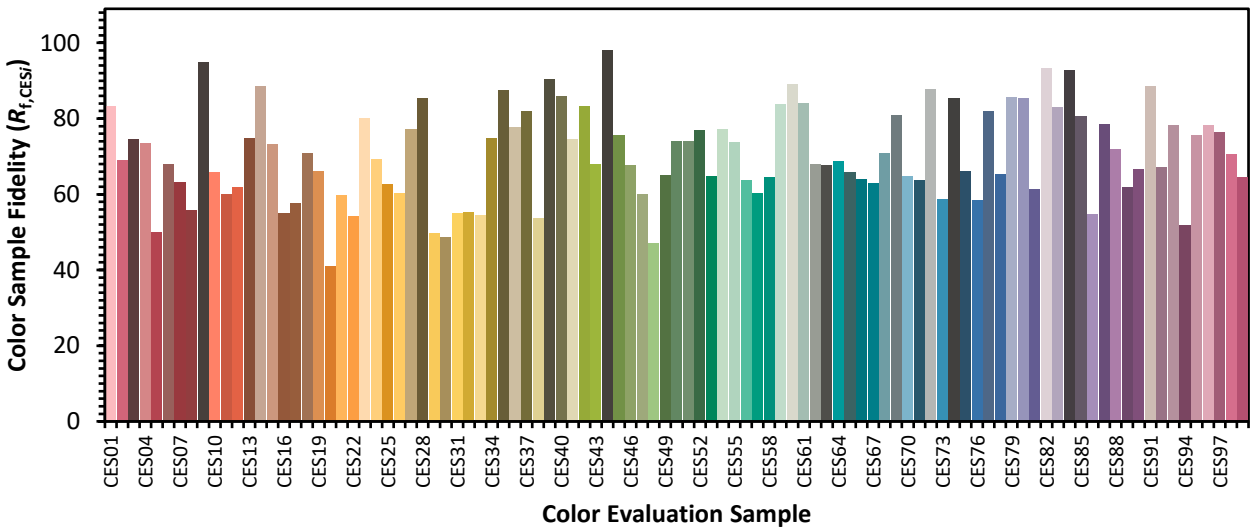


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

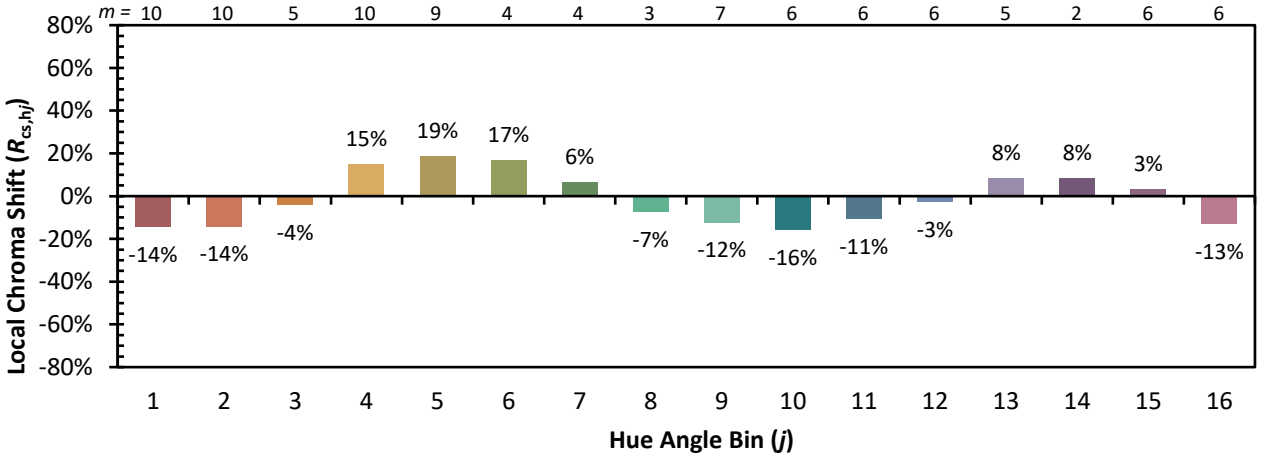
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

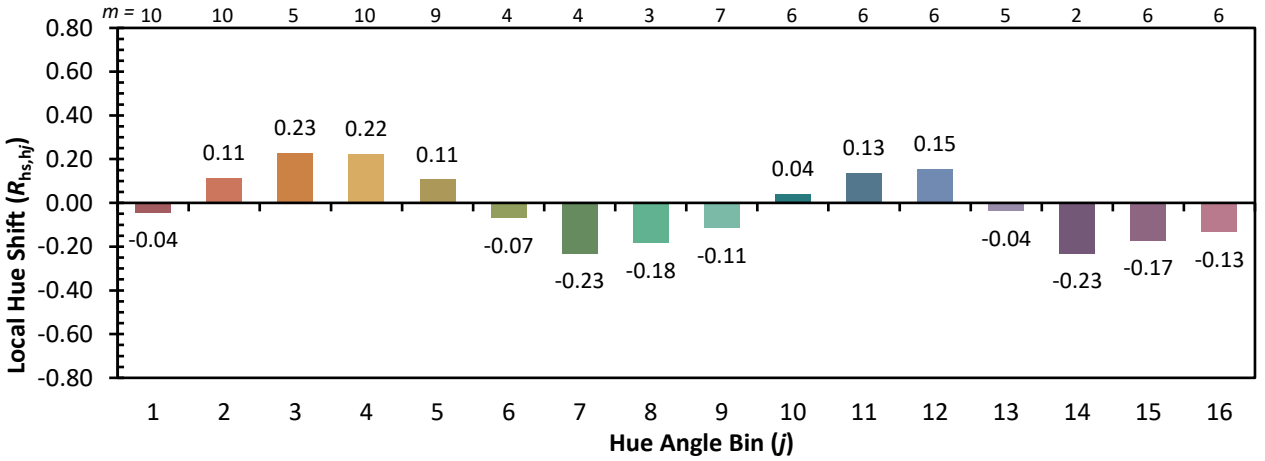


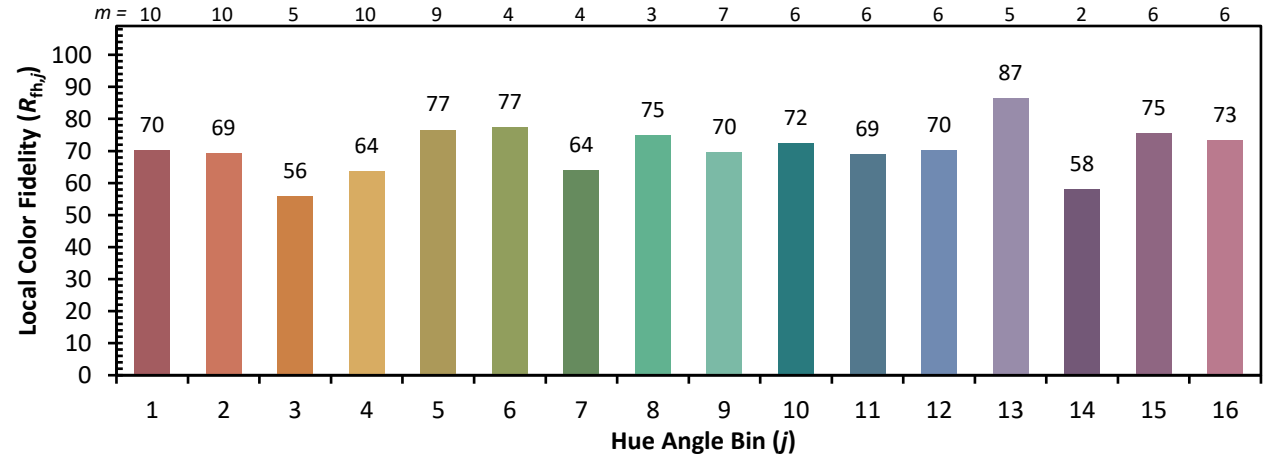
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Color Rendition by Hue-Angle Bin



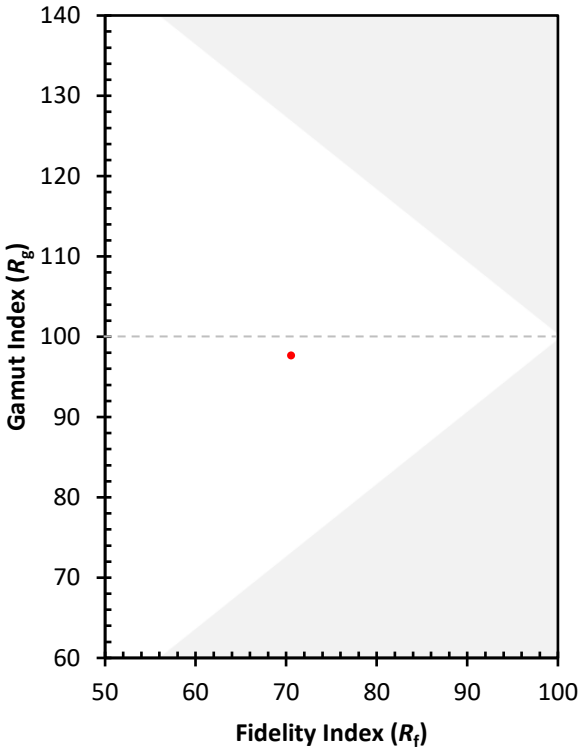


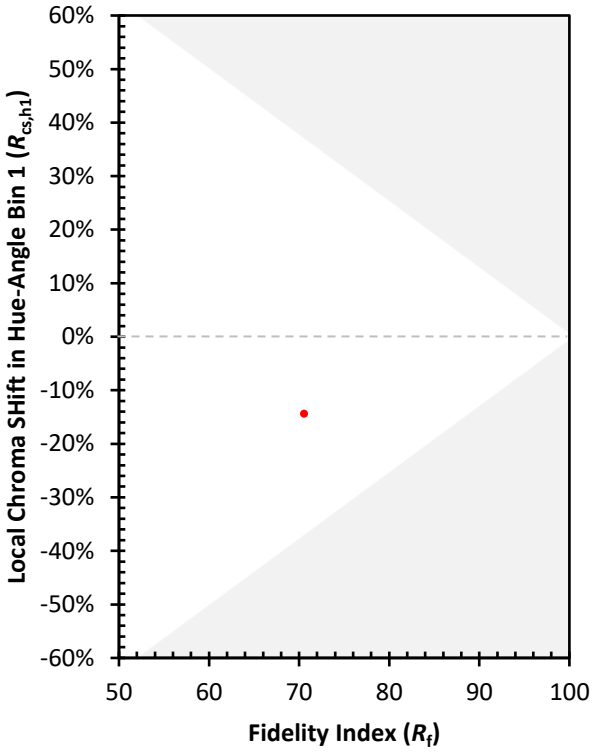


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Measure Comparisons





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