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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1364548

Luminaire Tested: **GSS-SB6B-722-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364548
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20550.4 lumens
Efficiency:	N/A
Efficacy:	93.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

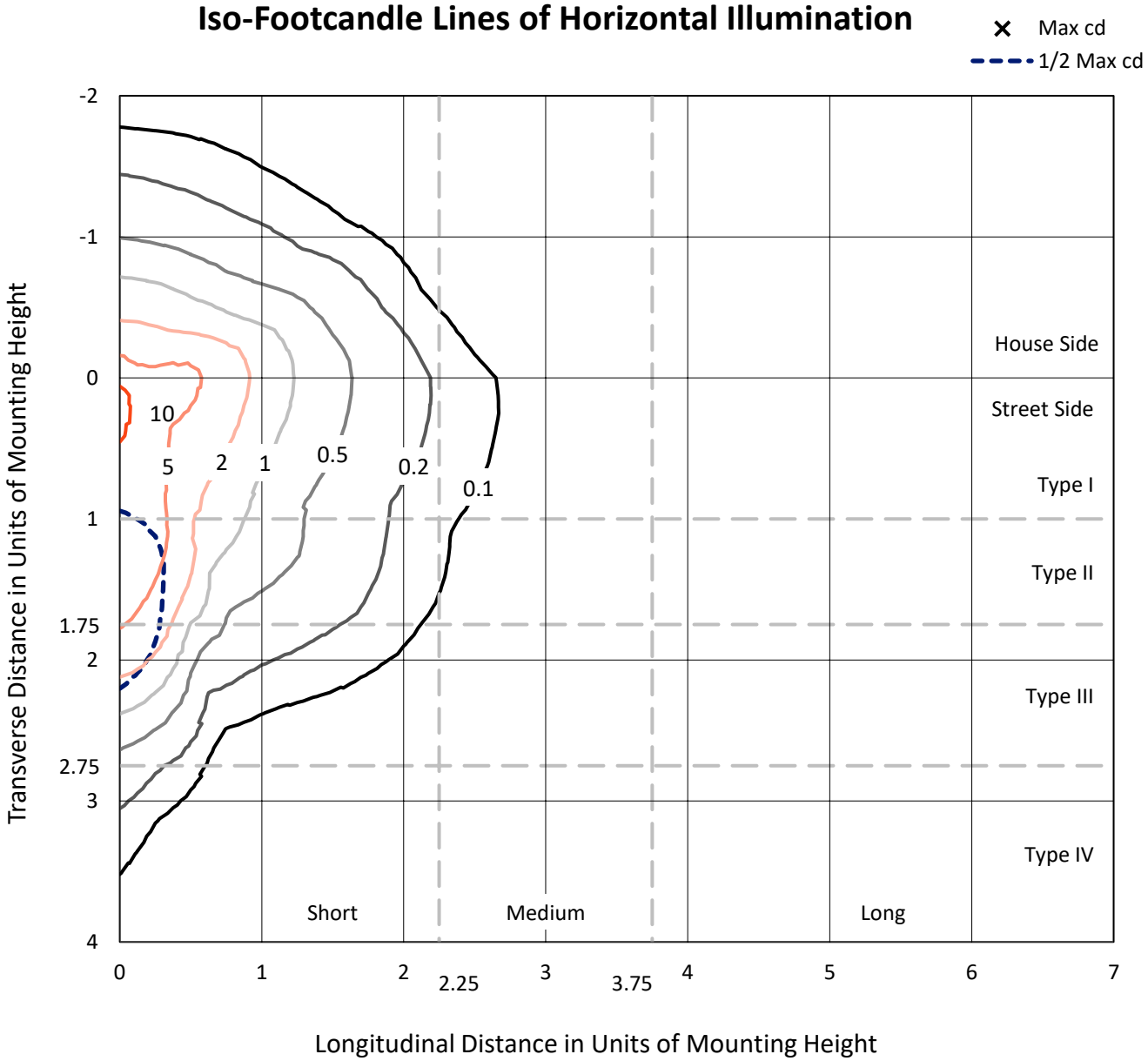
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



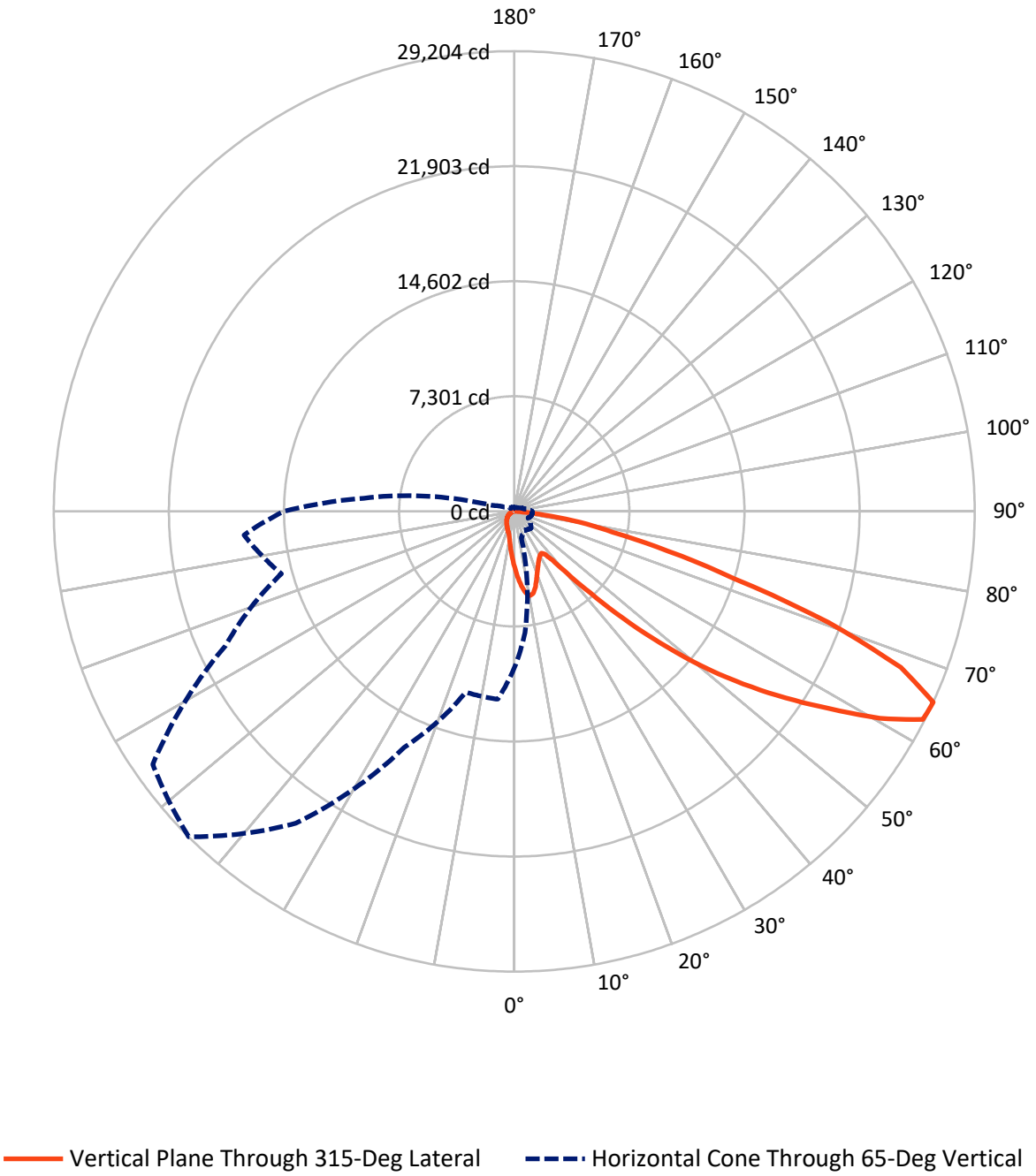
Based on 20 foot mounting height. Maximum calculated value = 11.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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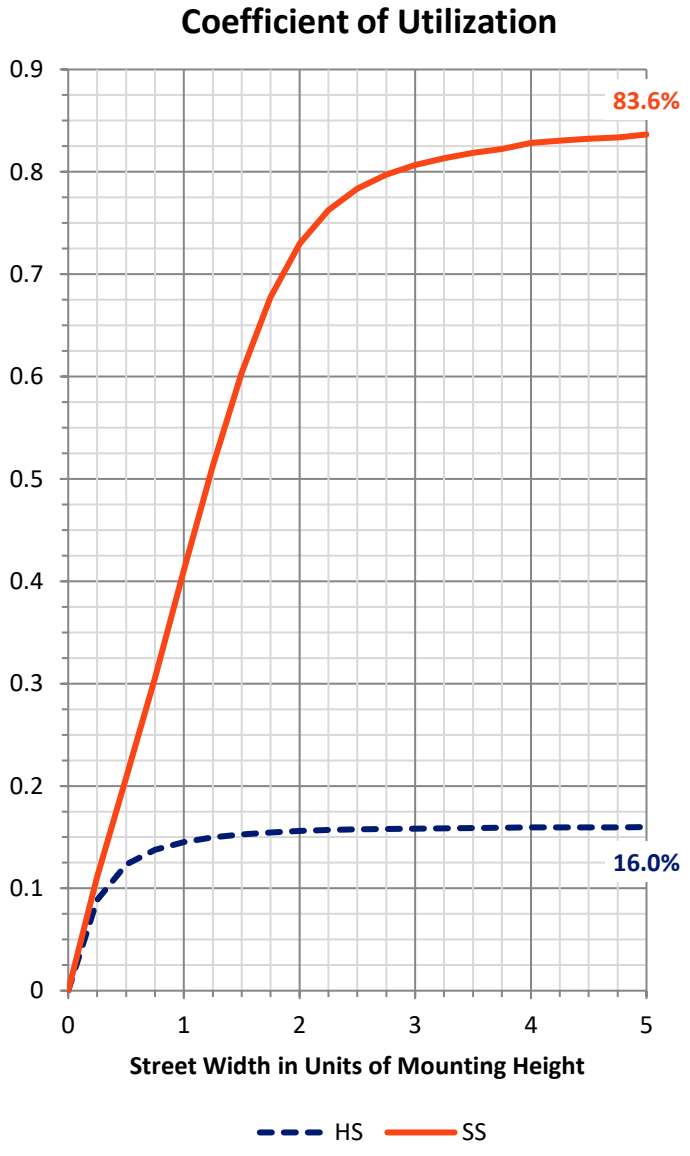
REPORT NUMBER: P1364548
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3322.1	0.0	3322.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	17228.3	0.0	17228.3
	% Fixture	83.8	0.0	83.8
Total	Lumens	20550.4	0.0	20550.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.4	1.7
10°-20°	944.3	4.6
20°-30°	1352.5	6.6
30°-40°	1696.4	8.3
40°-50°	2786.6	13.6
50°-60°	5028.7	24.5
60°-70°	5580.8	27.2
70°-80°	2521.5	12.3
80°-90°	298.1	1.5
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°	20550.4	100.0
0°-180°	20550.4	100.0



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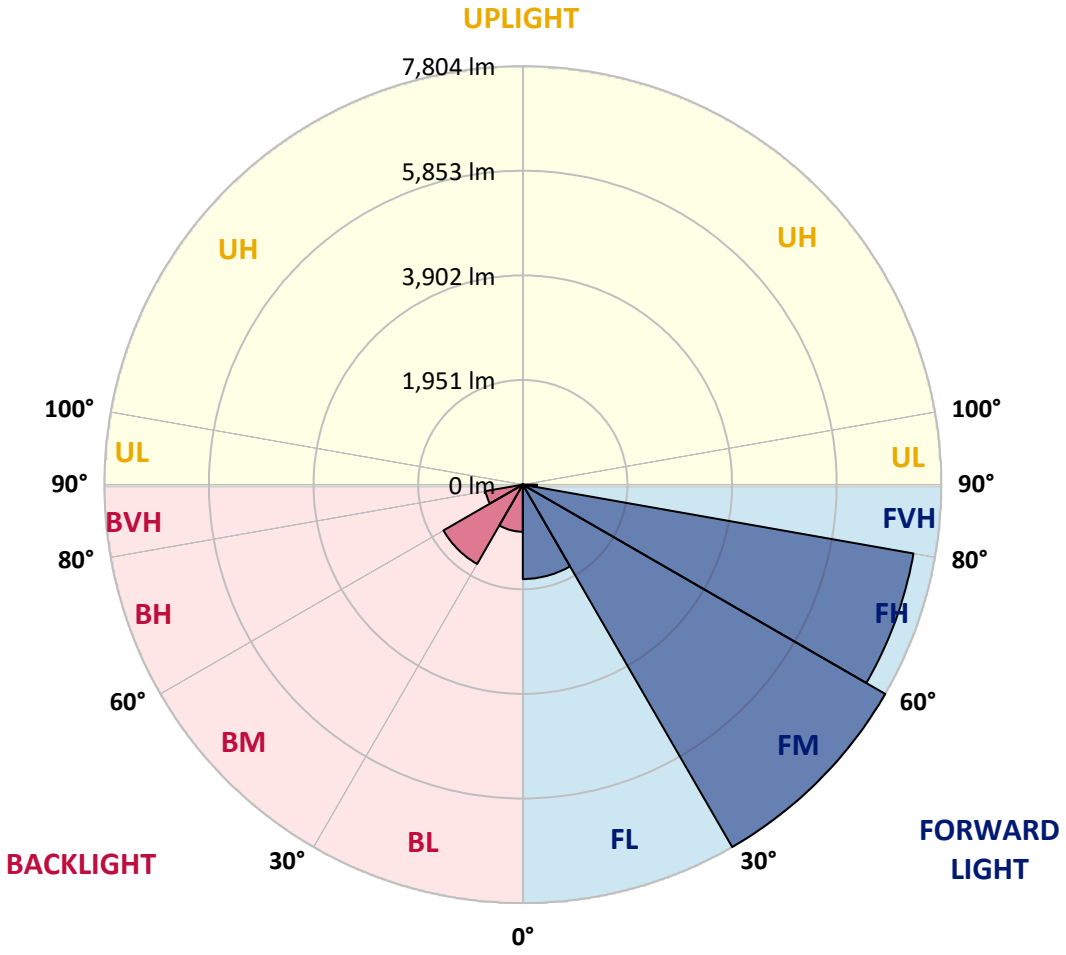
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1760.3	8.6			
FM	(30°-60°)	7803.5	38.0			
FH	(60°-80°)	7396.8	36.0			G3/7500
FVH	(80°-90°)	267.6	1.3			G3/500
BL	(0°-30°)	877.9	4.3	B2/1000		
BM	(30°-60°)	1708.2	8.3	B2/2500		
BH	(60°-80°)	705.5	3.4	B2/1000		G2/1000
BVH	(80°-90°)	30.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7
2.5°	4007.1	4003.3	3988.1	3893.5	3798.8	3716.8	3634.8	3552.7	3439.1	3350.8	3275.1
5°	4385.7	4365.5	4284.7	4139.6	3981.8	3843.0	3685.2	3533.8	3363.4	3224.6	3079.5
7.5°	4644.4	4624.2	4543.5	4303.7	4063.9	3893.5	3723.1	3565.4	3376.0	3193.0	2984.8
10°	4764.3	4741.6	4650.7	4392.0	4114.4	3906.1	3735.7	3590.6	3432.8	3249.8	2991.1
12.5°	4846.4	4818.6	4707.5	4410.9	4127.0	3918.7	3742.0	3603.2	3489.6	3382.4	3129.9
15°	4896.8	4871.6	4770.6	4461.4	4133.3	3899.8	3691.6	3559.0	3521.2	3540.1	3420.2
17.5°	4972.6	4948.6	4852.7	4524.5	4171.1	3868.3	3584.3	3439.1	3521.2	3691.6	3729.4
20°	5073.5	5048.3	4947.3	4606.6	4202.7	3773.6	3382.4	3243.5	3451.8	3735.7	3931.4
22.5°	5187.1	5166.9	5086.1	4701.2	4234.3	3634.8	3117.3	3054.2	3306.6	3609.5	3861.9
25°	5325.9	5307.0	5231.3	4833.7	4265.8	3445.5	2890.1	2902.8	3117.3	3357.1	3615.8
27.5°	5515.3	5497.6	5426.9	4997.8	4303.7	3249.8	2707.1	2770.2	2928.0	3092.1	3249.8
30°	5723.5	5709.6	5654.1	5193.4	4379.4	3066.8	2599.9	2637.7	2745.0	2877.5	2972.2
32.5°	6007.5	5984.7	5893.9	5376.4	4373.1	2928.0	2549.4	2511.5	2543.1	2650.4	2745.0
35°	6360.8	6343.2	6272.5	5565.7	4259.5	2801.8	2524.1	2391.6	2372.7	2435.8	2530.5
37.5°	6878.3	6863.1	6802.6	5874.9	4082.8	2644.0	2461.0	2265.4	2202.3	2246.5	2309.6
40°	7654.5	7615.3	7458.8	6228.3	3887.2	2486.3	2347.5	2114.0	2025.6	2057.2	2126.6
42.5°	8708.3	8633.8	8336.0	6701.6	3622.1	2334.8	2177.1	1962.5	1867.9	1886.8	1949.9
45°	10058.7	9946.4	9497.1	7351.6	3344.5	2214.9	2000.4	1804.8	1703.8	1722.7	1792.1
47.5°	11636.3	11482.3	10866.4	8033.1	3047.9	2145.5	1861.6	1647.0	1571.3	1615.5	1684.9
50°	13497.9	13342.6	12721.7	8468.5	2808.1	2101.3	1754.3	1501.9	1470.3	1527.1	1583.9
52.5°	15529.8	15308.9	14425.5	8190.8	2612.5	2063.5	1716.4	1400.9	1413.5	1457.7	1514.5
55°	17504.9	17014.0	15050.2	7269.5	2360.1	2019.3	1741.7	1325.2	1356.7	1413.5	1457.7
57.5°	18792.3	17939.1	14526.4	5856.0	2095.0	1968.8	1760.6	1287.3	1312.6	1375.7	1426.1
60°	17669.0	16810.8	13378.0	4385.7	1867.9	1861.6	1729.0	1274.7	1236.8	1325.2	1369.3
62.5°	14476.0	13769.2	10942.2	2801.8	1653.3	1659.6	1659.6	1268.4	1110.6	1224.2	1262.1
65°	*9945.1*	*9503.4*	*7736.5*	*1735.3*	*1350.4*	*1413.5*	*1508.2*	*1230.5*	*978.1*	*1110.6*	*1148.5*
67.5°	6537.5	6213.2	4915.8	1072.8	1041.2	1161.1	1306.2	1154.8	877.1	997.0	1022.3
70°	3546.4	3300.3	2315.9	706.8	681.5	908.7	1028.6	978.1	788.8	889.8	915.0
72.5°	2341.1	2139.2	1331.5	498.5	498.5	713.1	719.4	801.4	706.8	788.8	814.0
75°	1760.6	1580.1	858.2	347.1	384.9	454.3	561.6	574.2	593.2	668.9	700.4
77.5°	807.7	709.3	315.5	208.2	284.0	315.5	429.1	366.0	441.7	498.5	511.1
80°	467.0	408.9	176.7	138.8	183.0	201.9	353.4	214.6	265.0	353.4	372.3
82.5°	195.6	174.2	88.3	94.7	113.6	119.9	195.6	151.4	170.4	233.5	227.2
85°	56.8	56.8	56.8	63.1	69.4	69.4	113.6	107.3	101.0	107.3	107.3
87.5°	37.9	37.9	37.9	37.9	44.2	44.2	50.5	56.8	63.1	63.1	63.1
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°	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7
2.5°	3243.5	3199.4	3142.6	3060.5	3047.9	3003.7	2972.2	3003.7	3035.3	3092.1	3098.4
5°	3003.7	2934.3	2801.8	2700.8	2587.2	2530.5	2524.1	2511.5	2549.4	2631.4	2681.9
7.5°	2871.2	2757.6	2517.8	2341.1	2183.4	2126.6	2082.4	2120.3	2114.0	2221.2	2265.4
10°	2839.7	2663.0	2328.5	2063.5	1867.9	1792.1	1748.0	1741.7	1754.3	1817.4	1861.6
12.5°	2953.2	2726.1	2252.8	1861.6	1634.4	1552.3	1501.9	1457.7	1457.7	1470.3	1527.1
15°	3205.7	2934.3	2297.0	1766.9	1520.8	1413.5	1331.5	1274.7	1230.5	1236.8	1243.1
17.5°	3559.0	3237.2	2410.6	1735.3	1451.4	1337.8	1236.8	1180.0	1129.6	1116.9	1116.9
20°	3836.7	3527.5	2498.9	1710.1	1394.6	1249.5	1161.1	1110.6	1066.5	1047.5	1047.5
22.5°	3868.3	3647.4	2574.6	1678.6	1325.2	1161.1	1079.1	1034.9	1003.3	997.0	997.0
25°	3660.0	3552.7	2549.4	1640.7	1255.8	1079.1	1016.0	978.1	946.6	940.2	946.6
27.5°	3312.9	3256.1	2461.0	1590.2	1199.0	1016.0	959.2	927.6	896.1	889.8	896.1
30°	3003.7	2940.6	2309.6	1508.2	1154.8	965.5	902.4	870.8	839.3	839.3	845.6
32.5°	2751.3	2688.2	2158.1	1413.5	1098.0	908.7	851.9	820.3	788.8	788.8	801.4
35°	2524.1	2473.7	2038.2	1318.9	1041.2	858.2	795.1	769.9	744.6	738.3	750.9
37.5°	2328.5	2303.3	1931.0	1217.9	984.4	807.7	750.9	725.7	694.1	687.8	700.4
40°	2139.2	2126.6	1811.1	1129.6	915.0	757.2	700.4	675.2	637.3	637.3	650.0
42.5°	1962.5	1956.2	1703.8	1072.8	851.9	706.8	643.7	618.4	586.9	586.9	599.5
45°	1823.7	1817.4	1602.8	1041.2	788.8	650.0	593.2	561.6	536.4	542.7	555.3
47.5°	1697.5	1684.9	1495.6	1047.5	757.2	612.1	536.4	504.8	485.9	498.5	517.4
50°	1596.5	1583.9	1419.8	1053.8	706.8	561.6	492.2	460.7	448.0	467.0	485.9
52.5°	1533.4	1520.8	1344.1	1016.0	643.7	523.8	448.0	429.1	429.1	448.0	460.7
55°	1470.3	1457.7	1217.9	933.9	574.2	485.9	416.5	403.9	403.9	422.8	435.4
57.5°	1432.5	1407.2	1085.4	839.3	517.4	441.7	384.9	384.9	384.9	391.2	397.6
60°	1375.7	1312.6	946.6	719.4	473.3	397.6	359.7	353.4	353.4	347.1	353.4
62.5°	1255.8	1148.5	795.1	612.1	422.8	359.7	328.1	321.8	302.9	284.0	290.3
65°	*1135.9*	*971.8*	*631.0*	*511.1*	*366.0*	*309.2*	*290.3*	*284.0*	*252.4*	*227.2*	*233.5*
67.5°	984.4	776.2	473.3	429.1	315.5	265.0	246.1	246.1	227.2	208.2	208.2
70°	877.1	605.8	397.6	321.8	252.4	208.2	208.2	220.9	201.9	176.7	176.7
72.5°	776.2	492.2	321.8	258.7	195.6	164.1	176.7	183.0	164.1	145.1	145.1
75°	662.6	384.9	252.4	201.9	145.1	126.2	132.5	145.1	132.5	113.6	119.9
77.5°	479.6	265.0	170.4	132.5	107.3	94.7	101.0	101.0	94.7	88.3	88.3
80°	334.4	176.7	113.6	88.3	75.7	69.4	69.4	63.1	63.1	69.4	69.4
82.5°	201.9	126.2	82.0	69.4	56.8	44.2	44.2	50.5	50.5	56.8	56.8
85°	88.3	75.7	56.8	50.5	37.9	31.6	37.9	37.9	44.2	50.5	50.5
87.5°	56.8	56.8	44.2	37.9	31.6	25.2	25.2	31.6	31.6	37.9	44.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7
2.5°	3123.6	3186.7	3262.5	3369.7	3464.4	3578.0	3691.6	3798.8	3899.8	3912.4	3956.6
5°	2719.8	2839.7	2991.1	3167.8	3382.4	3609.5	3830.4	4063.9	4253.2	4322.6	4423.6
7.5°	2303.3	2454.7	2675.6	2946.9	3249.8	3590.6	3931.4	4259.5	4543.5	4676.0	4808.5
10°	1905.7	2050.9	2322.2	2650.4	3041.6	3502.2	3956.6	4398.3	4745.4	4896.8	5023.0
12.5°	1546.0	1691.2	1912.0	2290.7	2763.9	3319.2	3918.7	4448.8	4833.7	4991.5	5111.4
15°	1262.1	1382.0	1590.2	1943.6	2442.1	3066.8	3786.2	4410.9	4852.7	5004.1	5092.5
17.5°	1110.6	1142.2	1274.7	1596.5	2139.2	2839.7	3615.8	4360.5	4865.3	5004.1	5054.6
20°	1047.5	1047.5	1072.8	1243.1	1773.2	2599.9	3489.6	4328.9	4884.2	5023.0	5016.7
22.5°	990.7	1003.3	1003.3	1041.2	1350.4	2265.4	3357.1	4316.3	4941.0	5048.3	4959.9
25°	940.2	959.2	959.2	971.8	1060.1	1867.9	3193.0	4341.5	5042.0	5098.8	4922.1
27.5°	896.1	915.0	915.0	927.6	946.6	1388.3	2921.7	4347.8	5155.6	5161.9	4871.6
30°	851.9	870.8	883.5	883.5	896.1	1022.3	2580.9	4310.0	5281.8	5243.9	4865.3
32.5°	801.4	826.7	833.0	845.6	851.9	889.8	2139.2	4246.9	5439.5	5357.5	4871.6
35°	757.2	788.8	795.1	795.1	807.7	845.6	1710.1	4177.5	5654.1	5508.9	4896.8
37.5°	713.1	738.3	744.6	750.9	763.6	801.4	1356.7	4076.5	5837.1	5698.3	5023.0
40°	662.6	694.1	700.4	706.8	719.4	757.2	1167.4	3950.3	6114.7	6013.8	5212.4
42.5°	612.1	643.7	656.3	662.6	668.9	719.4	1066.5	3861.9	6562.8	6455.5	5597.3
45°	567.9	599.5	612.1	612.1	624.7	694.1	978.1	4057.6	7181.2	7130.7	6114.7
47.5°	530.1	561.6	567.9	567.9	574.2	656.3	902.4	4581.3	8127.7	7995.2	6922.5
50°	498.5	523.8	536.4	523.8	530.1	624.7	946.6	5445.8	9339.3	9383.5	8108.8
52.5°	473.3	498.5	504.8	479.6	479.6	580.6	1003.3	6152.6	10885.4	11289.2	9989.3
55°	441.7	467.0	473.3	441.7	441.7	511.1	870.8	6196.8	12646.0	13945.9	12437.7
57.5°	410.2	435.4	435.4	410.2	403.9	441.7	706.8	5496.3	14009.0	16955.9	15788.5
60°	372.3	397.6	391.2	378.6	366.0	403.9	650.0	4190.1	13826.0	18918.5	19631.5
62.5°	302.9	340.8	353.4	347.1	321.8	366.0	605.8	2732.4	11964.4	17214.7	19511.6
65°	*252.4*	*284.0*	*302.9*	*302.9*	*284.0*	*403.9*	*530.1*	*1438.8*	*9579.1*	*14608.5*	*17202.0*
67.5°	220.9	252.4	265.0	258.7	246.1	359.7	334.4	694.1	7345.3	12589.2	15397.3
70°	195.6	220.9	233.5	214.6	201.9	290.3	239.8	410.2	4915.8	10506.7	13712.4
72.5°	157.8	183.0	195.6	176.7	157.8	214.6	183.0	271.3	3199.4	8954.4	12185.3
75°	126.2	151.4	157.8	145.1	126.2	157.8	145.1	189.3	2088.7	7408.4	10361.6
77.5°	94.7	107.3	119.9	113.6	94.7	113.6	101.0	132.5	1192.7	5199.7	7269.5
80°	75.7	82.0	82.0	82.0	75.7	69.4	69.4	88.3	536.4	2562.0	3792.5
82.5°	63.1	69.4	69.4	63.1	56.8	50.5	44.2	50.5	157.8	1148.5	1748.0
85°	56.8	63.1	50.5	44.2	37.9	31.6	18.9	18.9	44.2	183.0	340.8
87.5°	44.2	37.9	31.6	25.2	12.6	6.3	6.3	0.0	6.3	6.3	6.3
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: P1364548
CATALOG NUMBER: GSS-SB6B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3552.7	3552.7	3552.7	*3552.7*	3552.7	3552.7	3552.7	3552.7	3552.7	3552.7
2.5°	4026.0	4089.1	4133.3	*4171.1*	4158.5	4127.0	4063.9	4019.7	4009.6	4007.1
5°	4556.1	4657.0	4745.4	*4732.8*	4745.4	4650.7	4556.1	4442.5	4397.1	4385.7
7.5°	4997.8	5124.0	5231.3	*5218.7*	5180.8	5073.5	4915.8	4745.4	4664.6	4644.4
10°	5237.6	5382.7	5471.1	*5439.5*	5376.4	5237.6	5079.8	4877.9	4787.0	4764.3
12.5°	5281.8	5376.4	5357.5	*5344.9*	5332.3	5262.8	5142.9	4959.9	4869.1	4846.4
15°	5168.2	5130.3	5023.0	*4997.8*	5092.5	5180.8	5155.6	5004.1	4918.3	4896.8
17.5°	4978.9	4783.3	4587.6	*4562.4*	4720.1	4966.3	5161.9	5073.5	4992.8	4972.6
20°	4770.6	4404.6	4190.1	*4145.9*	4341.5	4707.5	5092.5	5142.9	5087.4	5073.5
22.5°	4524.5	4095.4	3868.3	*3843.0*	3988.1	4417.3	4991.5	5218.7	5193.4	5187.1
25°	4310.0	3824.1	3609.5	*3571.7*	3761.0	4177.5	4890.5	5344.9	5329.7	5325.9
27.5°	4133.3	3628.5	3401.3	*3376.0*	3559.0	3975.5	4764.3	5452.2	5502.6	5515.3
30°	3994.5	3483.3	3256.1	*3224.6*	3426.5	3836.7	4676.0	5603.6	5699.5	5723.5
32.5°	3887.2	3401.3	3186.7	*3167.8*	3382.4	3779.9	4625.5	5761.4	5958.2	6007.5
35°	3849.3	3426.5	3281.4	*3325.6*	3489.6	3836.7	4663.4	6020.1	6292.7	6360.8
37.5°	3931.4	3704.2	3805.1	*3918.7*	3981.8	4108.0	4840.0	6436.6	6789.9	6878.3
40°	4196.4	4448.8	4922.1	*5142.9*	5117.7	4827.4	5243.9	7023.4	7528.3	7654.5
42.5°	4871.6	5691.9	6695.3	*7067.6*	6853.1	5975.9	5887.6	7988.9	8564.4	8708.3
45°	5874.9	7193.8	8840.8	*9680.1*	8941.8	7433.6	6903.5	9364.6	9919.9	10058.7
47.5°	6878.3	8872.4	11491.2	*12488.2*	11036.8	8878.7	8235.0	11011.6	11511.4	11636.3
50°	7900.6	10727.6	14135.2	*15466.7*	13125.5	10349.0	9648.5	13043.5	13407.0	13497.9
52.5°	8954.4	12387.2	17050.6	*18199.1*	15308.9	11484.9	11264.0	15258.4	15475.5	15529.8
55°	10128.1	13958.5	19972.3	*20899.9*	17296.7	12475.6	13157.1	17574.4	17518.8	17504.9
57.5°	11693.1	15611.8	22326.1	*23619.7*	19101.5	13813.4	15687.6	20149.0	19063.6	18792.3
60°	14425.5	18180.1	25254.1	*26661.3*	21518.3	15769.6	17549.1	20092.2	18153.6	17669.0
62.5°	17593.3	20653.8	27904.4	*29090.8*	24061.4	17713.2	16066.2	16873.9	14955.6	14476.0
65°	*15283.7*	*20218.4*	*27986.4*	*29204.3*	*24156.1*	*16526.8*	*11876.1*	*11964.4*	*10349.0*	*9945.1*
67.5°	13005.7	17921.4	25487.5	*26446.7*	21549.9	13661.9	7875.3	7805.9	6791.2	6537.5
70°	11579.5	15700.2	21966.4	*21139.7*	18117.0	11548.0	5231.3	4335.2	3704.2	3546.4
72.5°	10405.8	12456.6	17801.5	*14570.6*	15031.3	9396.1	3325.6	2953.2	2463.6	2341.1
75°	9421.4	10304.8	11106.2	*10071.3*	10677.1	7742.8	2820.7	2278.0	1864.1	1760.6
77.5°	7496.7	8020.5	6575.4	*6386.1*	7477.8	5508.9	1400.9	959.2	838.0	807.7
80°	4461.4	3792.5	3729.4	*4253.2*	4978.9	2858.6	858.2	530.1	479.6	467.0
82.5°	2700.8	1369.3	1489.2	*1880.5*	2650.4	1299.9	511.1	227.2	201.9	195.6
85°	454.3	372.3	574.2	*549.0*	517.4	277.7	138.8	63.1	58.1	56.8
87.5°	12.6	18.9	25.2	*31.6*	31.6	31.6	31.6	31.6	36.6	37.9
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

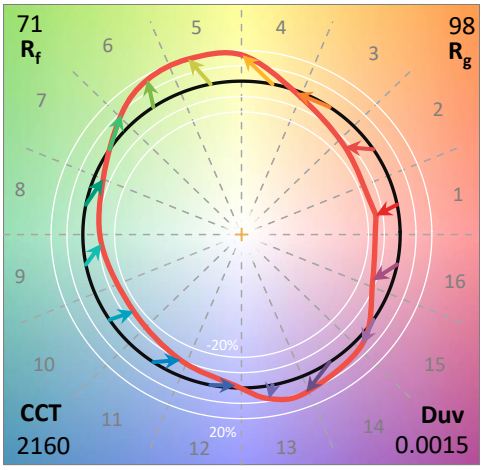
Test Information

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

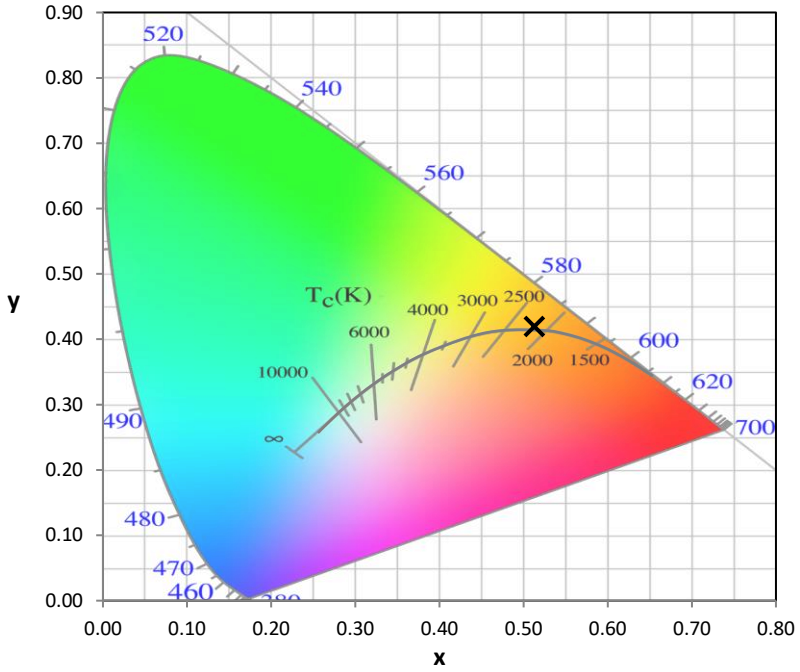
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

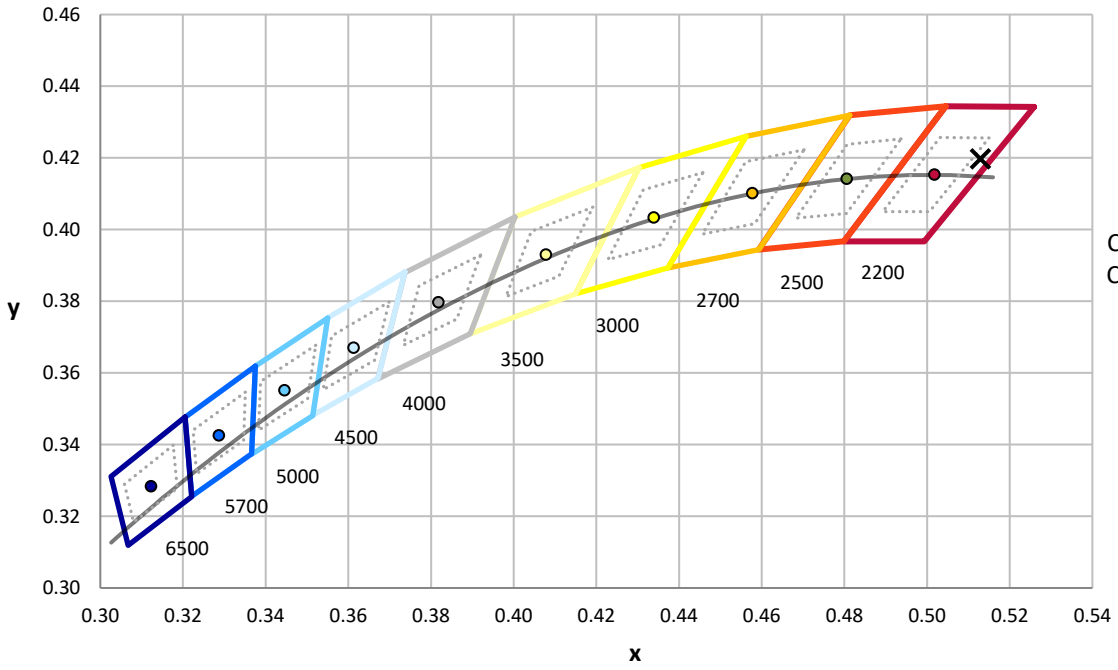
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

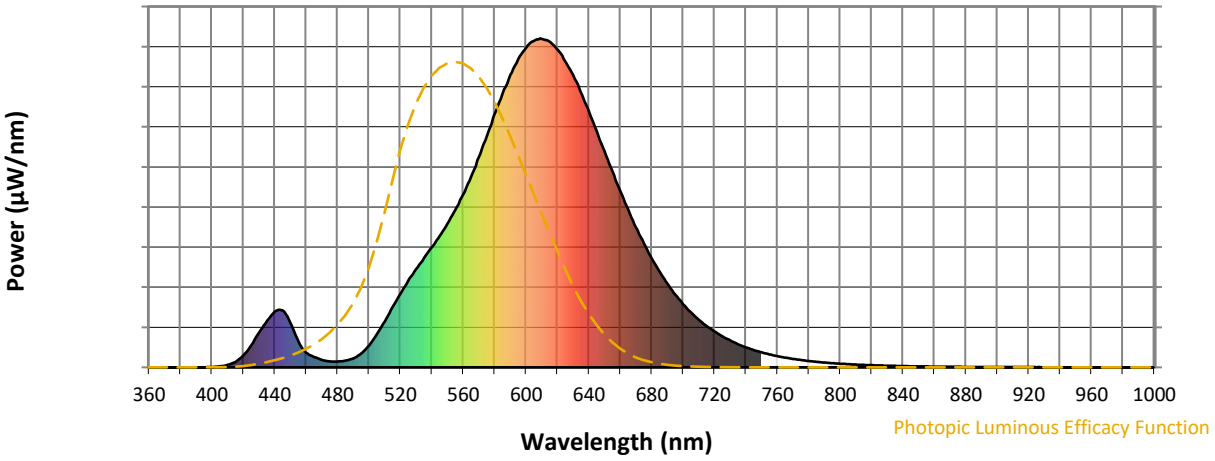


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

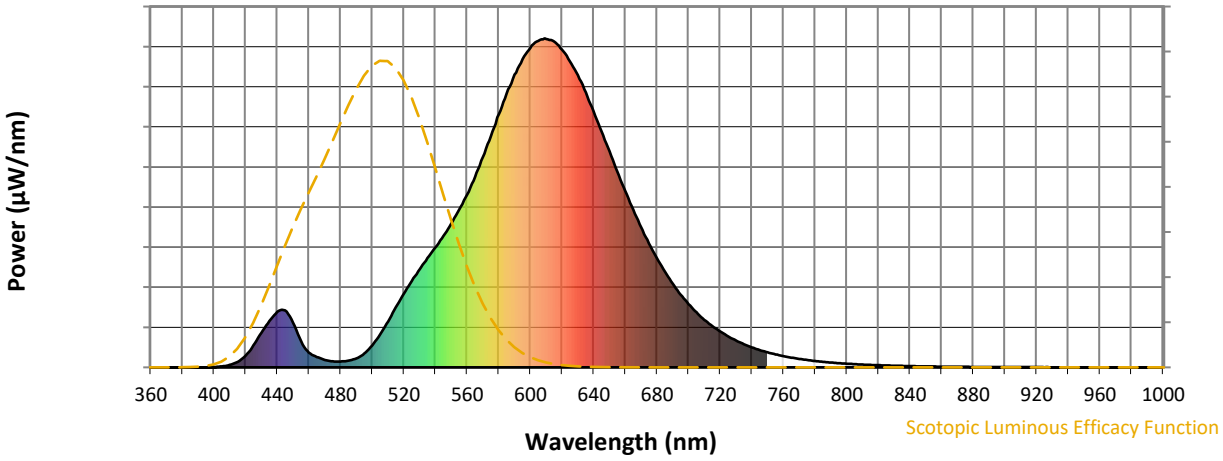


Photopic Lumens: NR

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

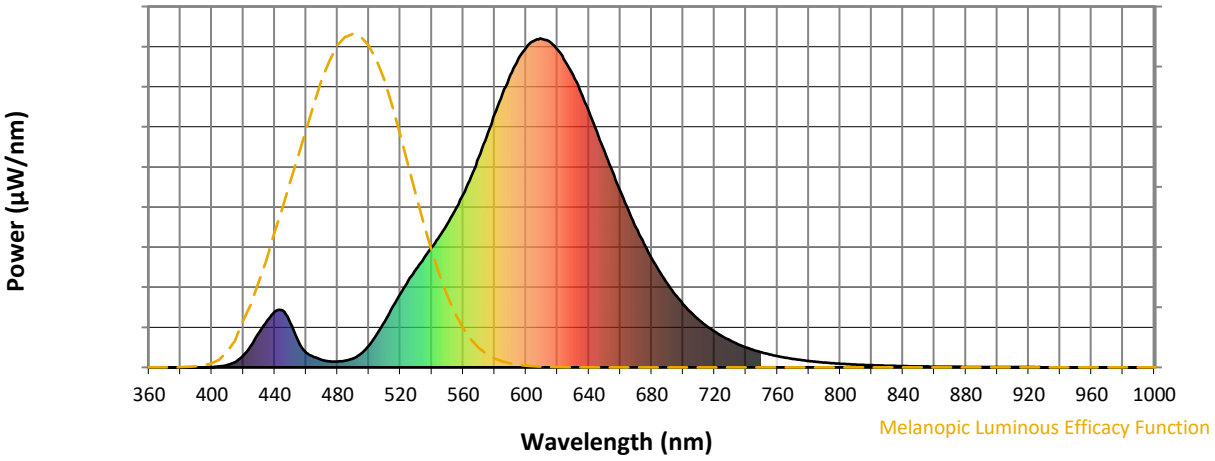


Scotopic Lumens: NR **S/P: 0.8**

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			

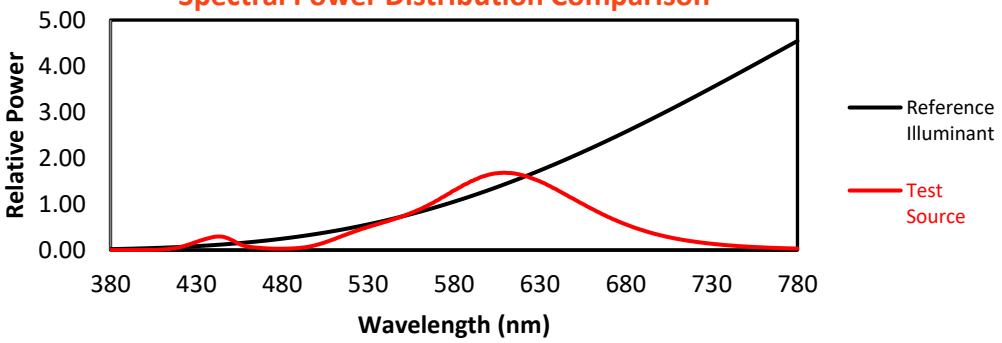
REPORT NUMBER: SP1-2407-184-2

TM-30-18

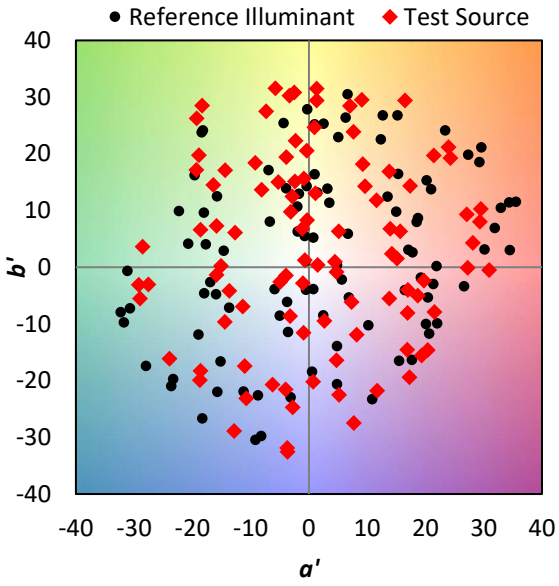
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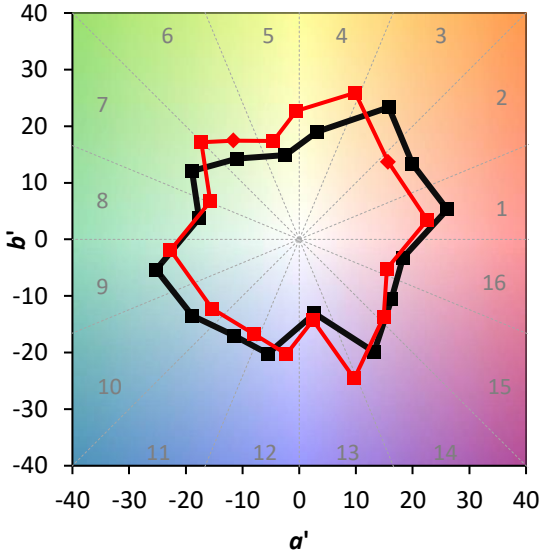
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

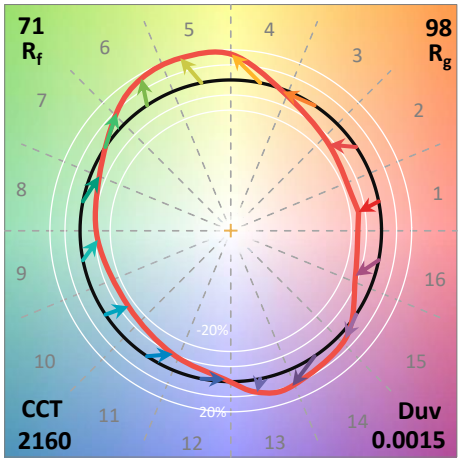
Spectral Power Distribution Comparison

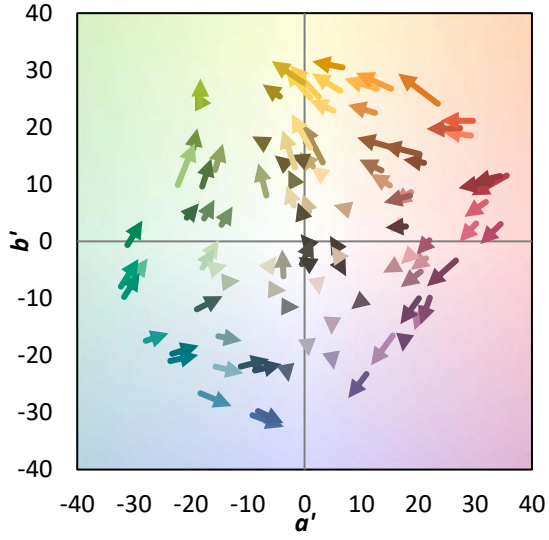


Color Vector Graphics







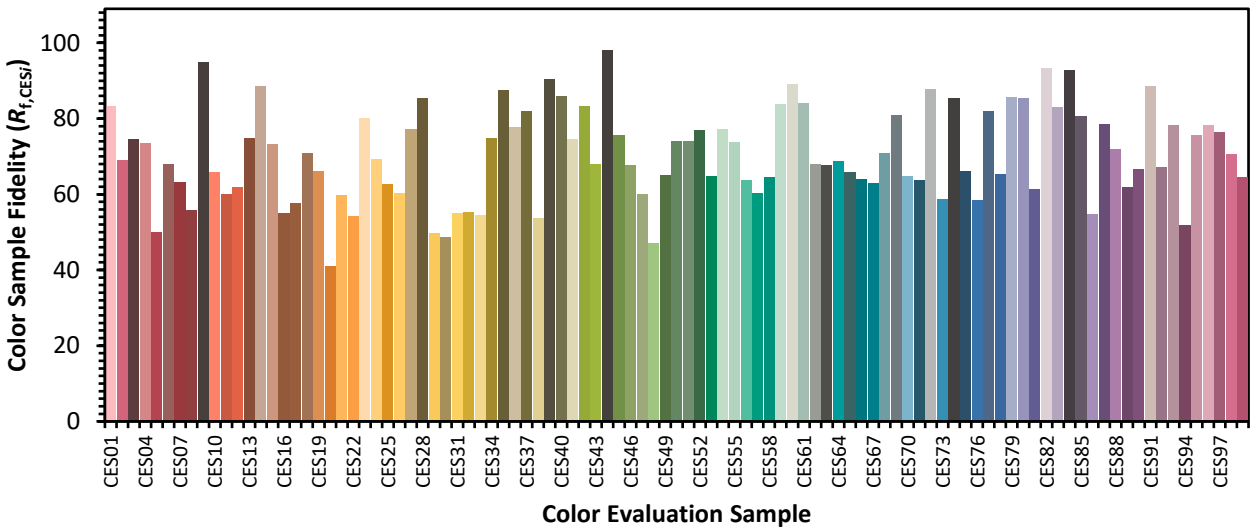


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Individual Sample Fidelity Index ($R_{f,i}$)

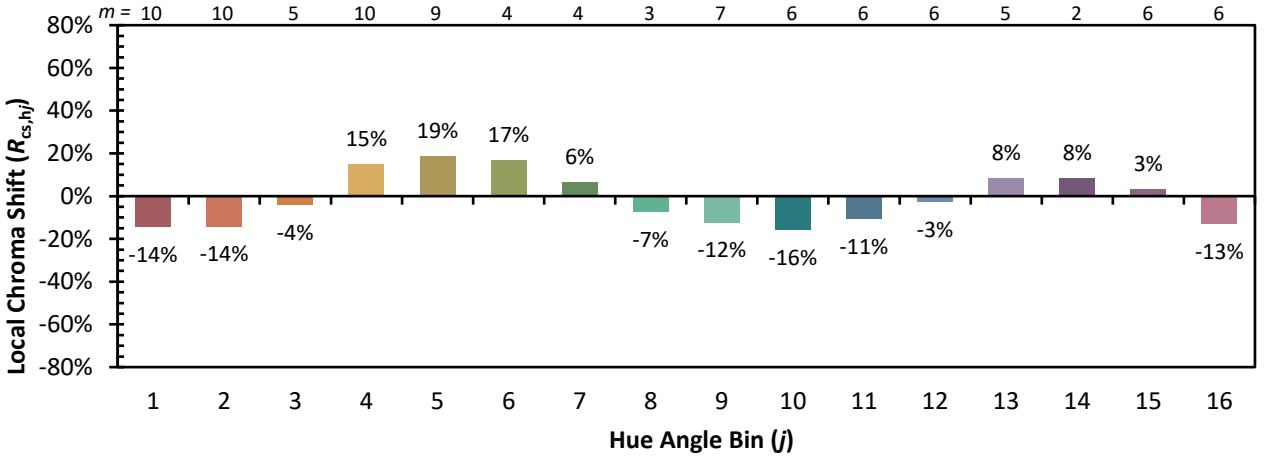
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

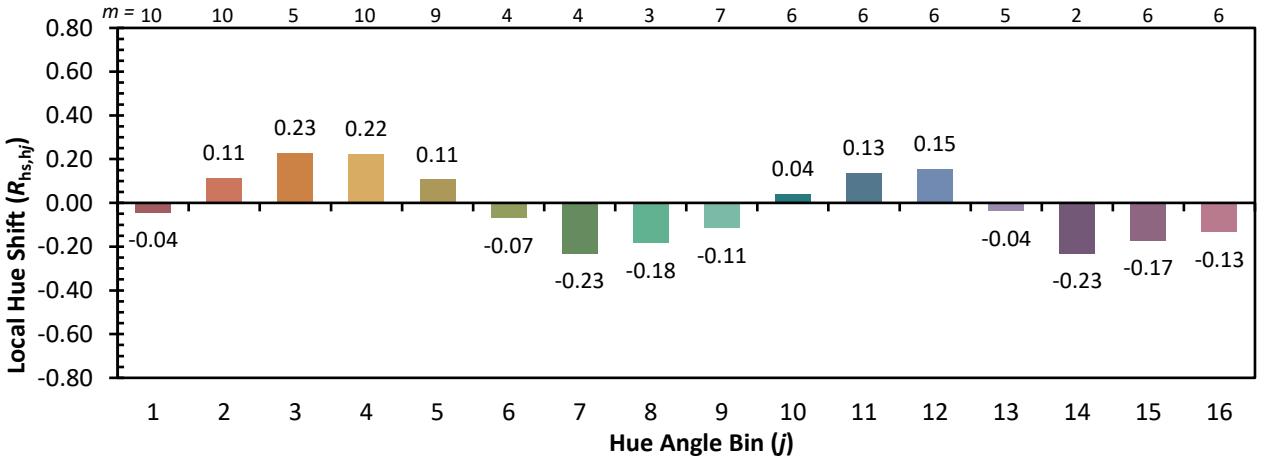


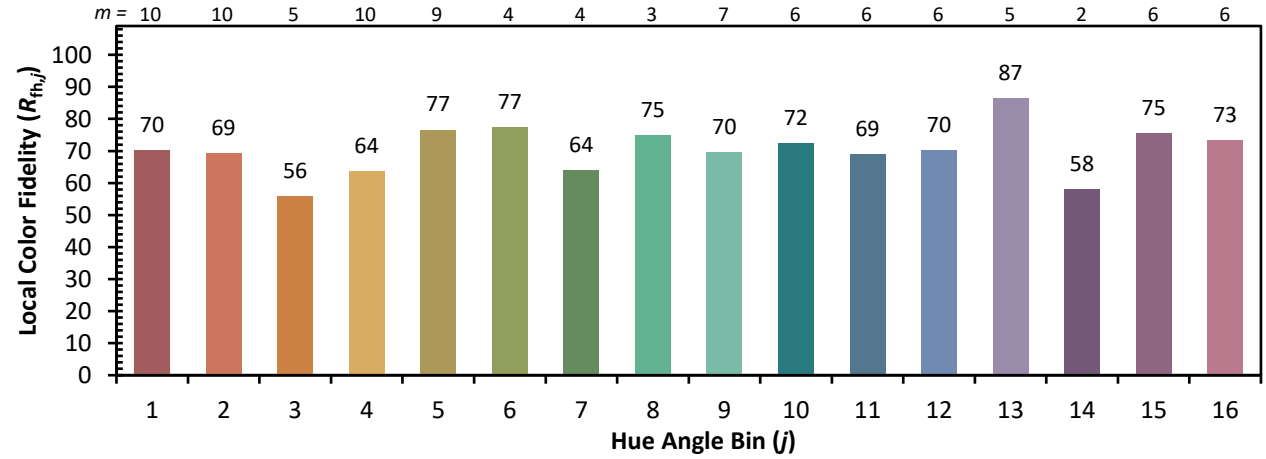
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Color Rendition by Hue-Angle Bin



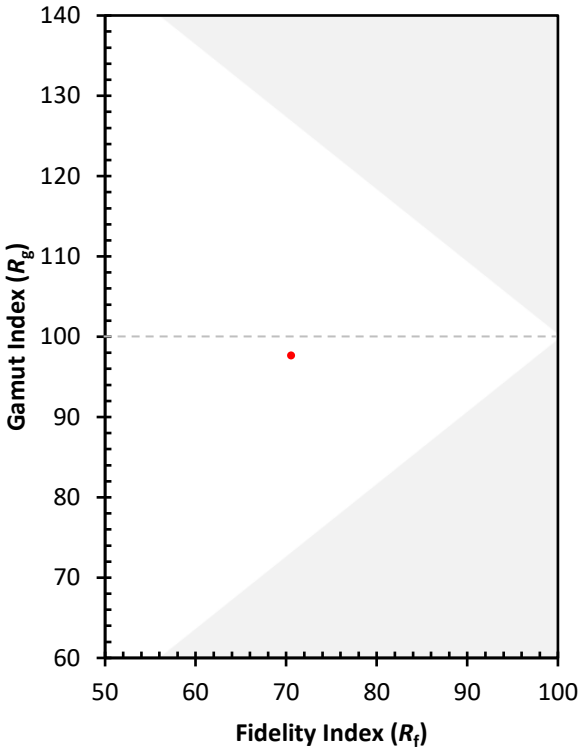


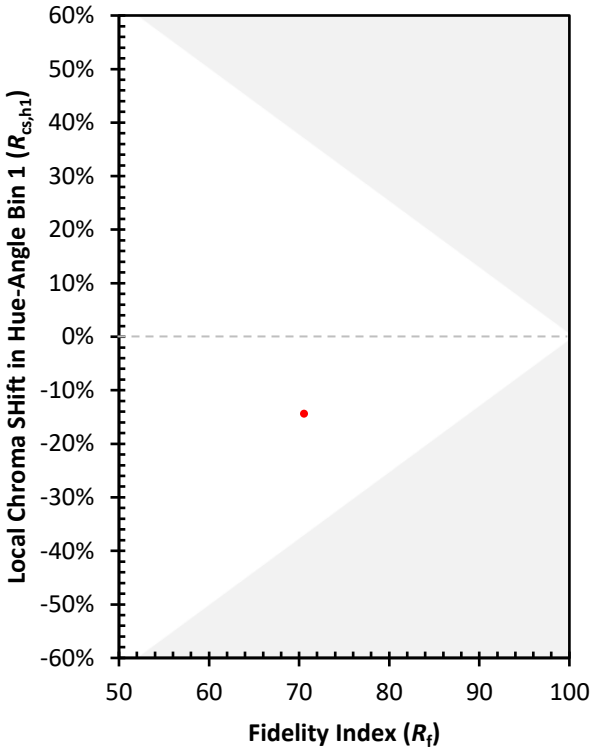


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Measure Comparisons





(END OF REPORT)