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: P1365340

Luminaire Tested: **GSS-SB6B-727-U-SLL-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:	P1365340
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23092 lumens
Efficiency:	N/A
Efficacy:	105.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

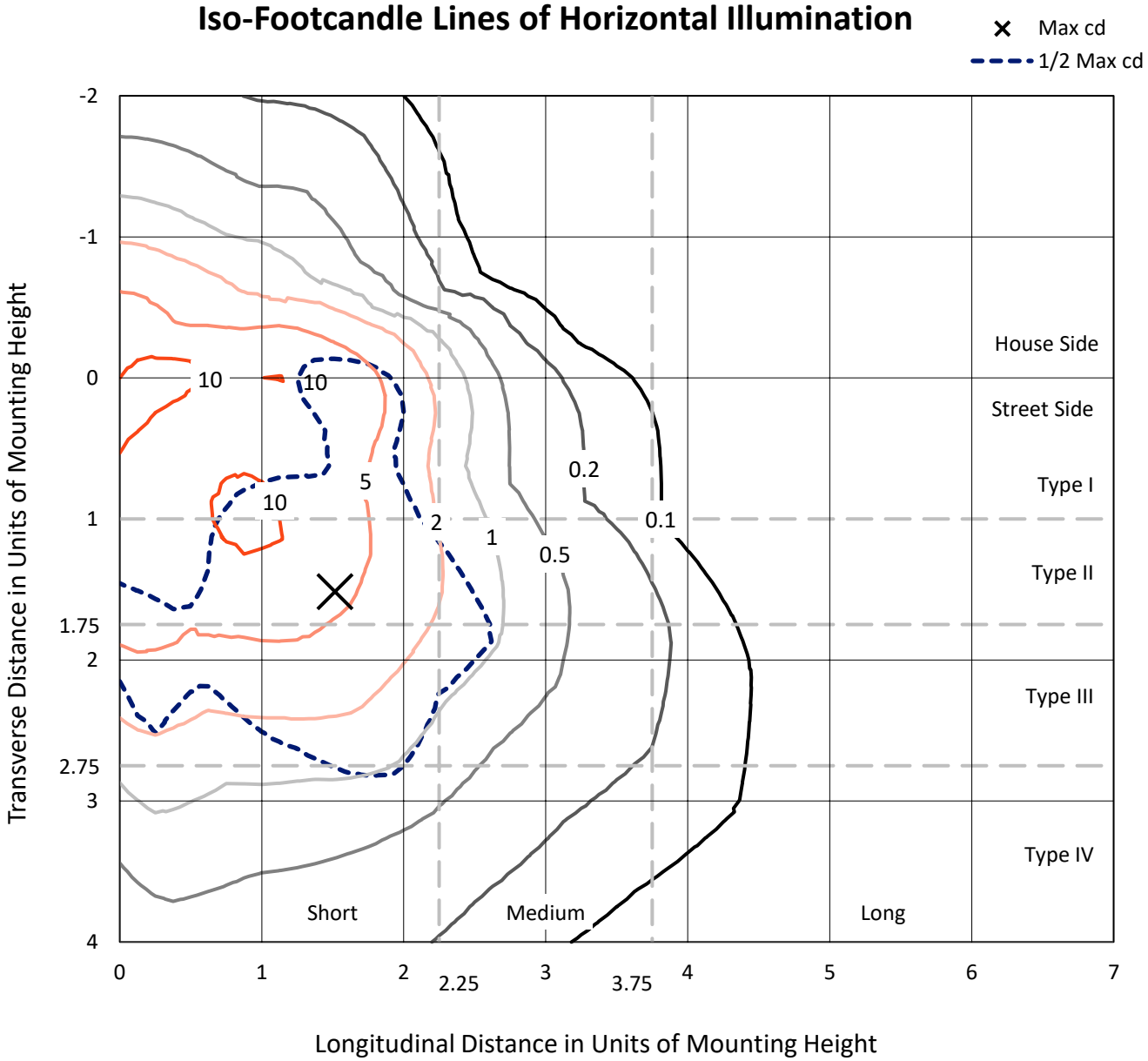
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



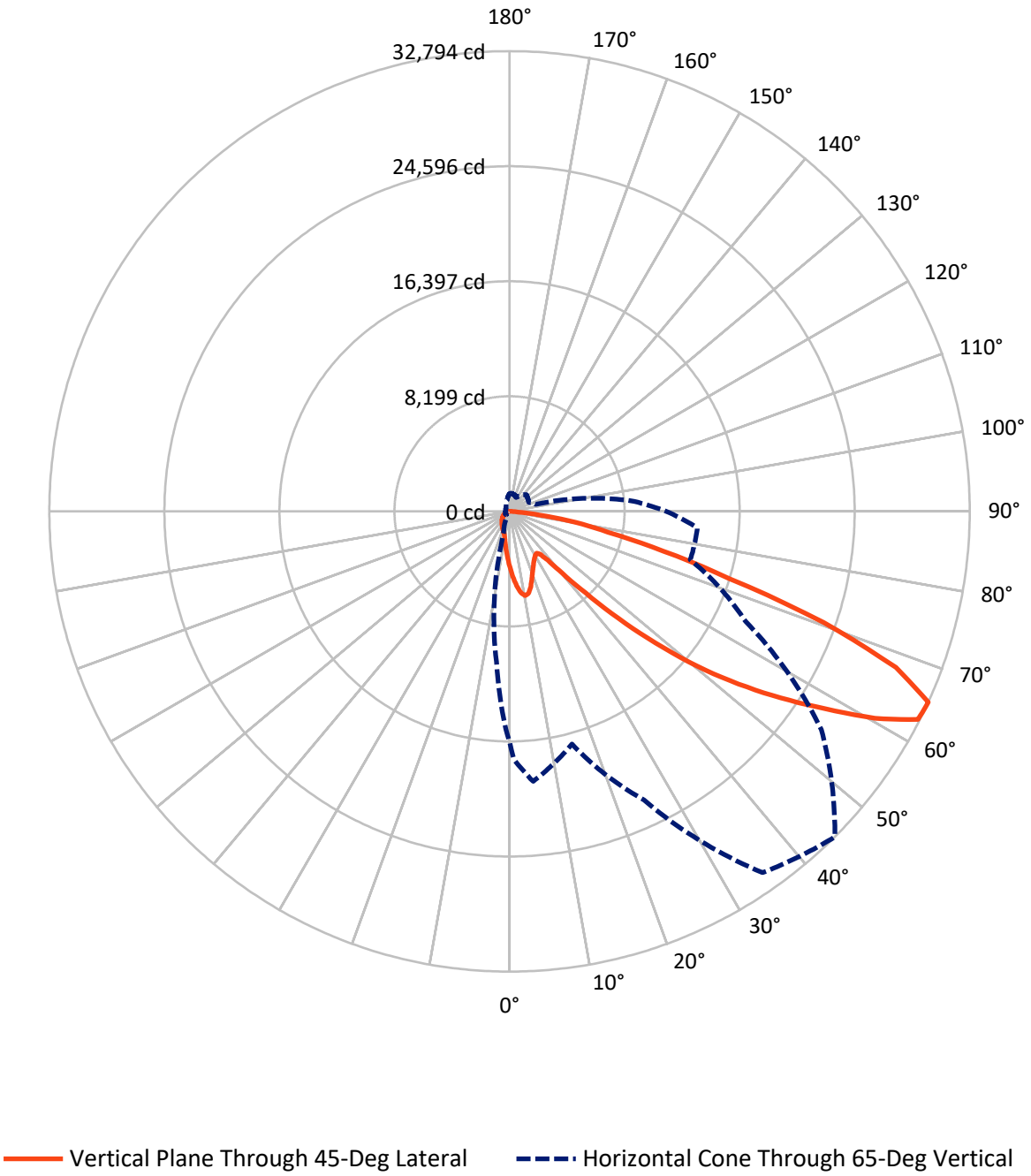
Based on 20 foot mounting height. Maximum calculated value = 14.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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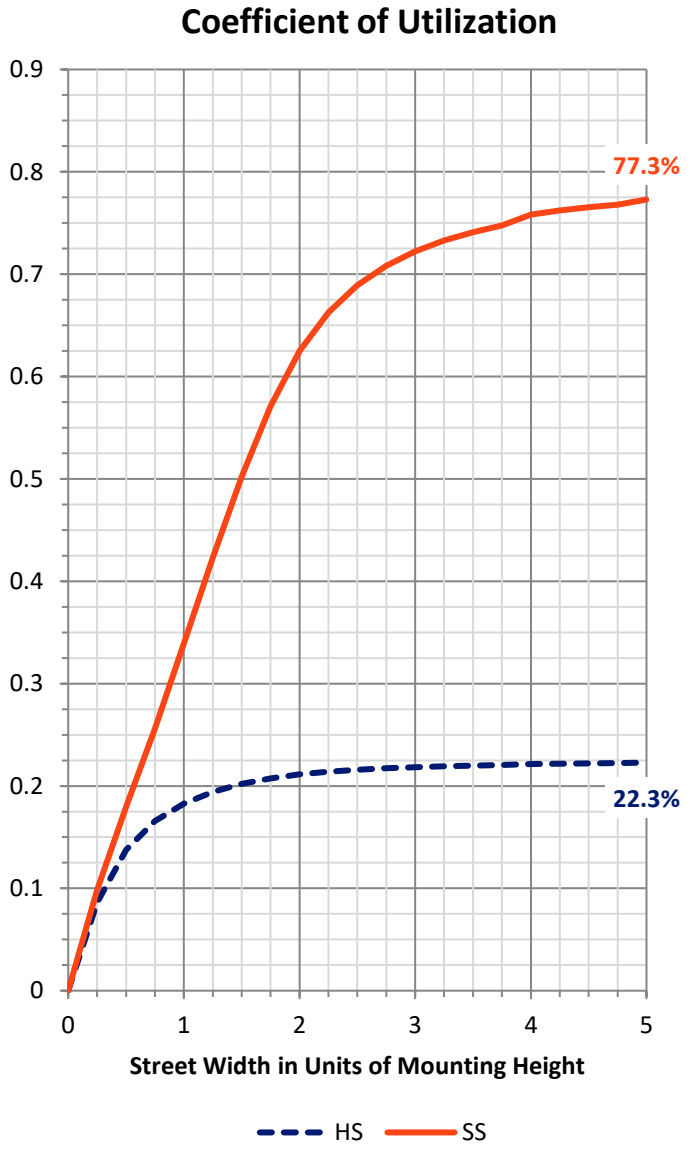
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5194.5	0.0	5194.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	17897.6	0.0	17897.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	23092.0	0.0	23092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.4	1.7
10°-20°	1060.4	4.6
20°-30°	1518.8	6.6
30°-40°	1905.2	8.3
40°-50°	3129.6	13.6
50°-60°	5650.5	24.5
60°-70°	6273.0	27.2
70°-80°	2835.5	12.3
80°-90°	335.6	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°	23092.0	100.0
0°-180°	23092.0	100.0



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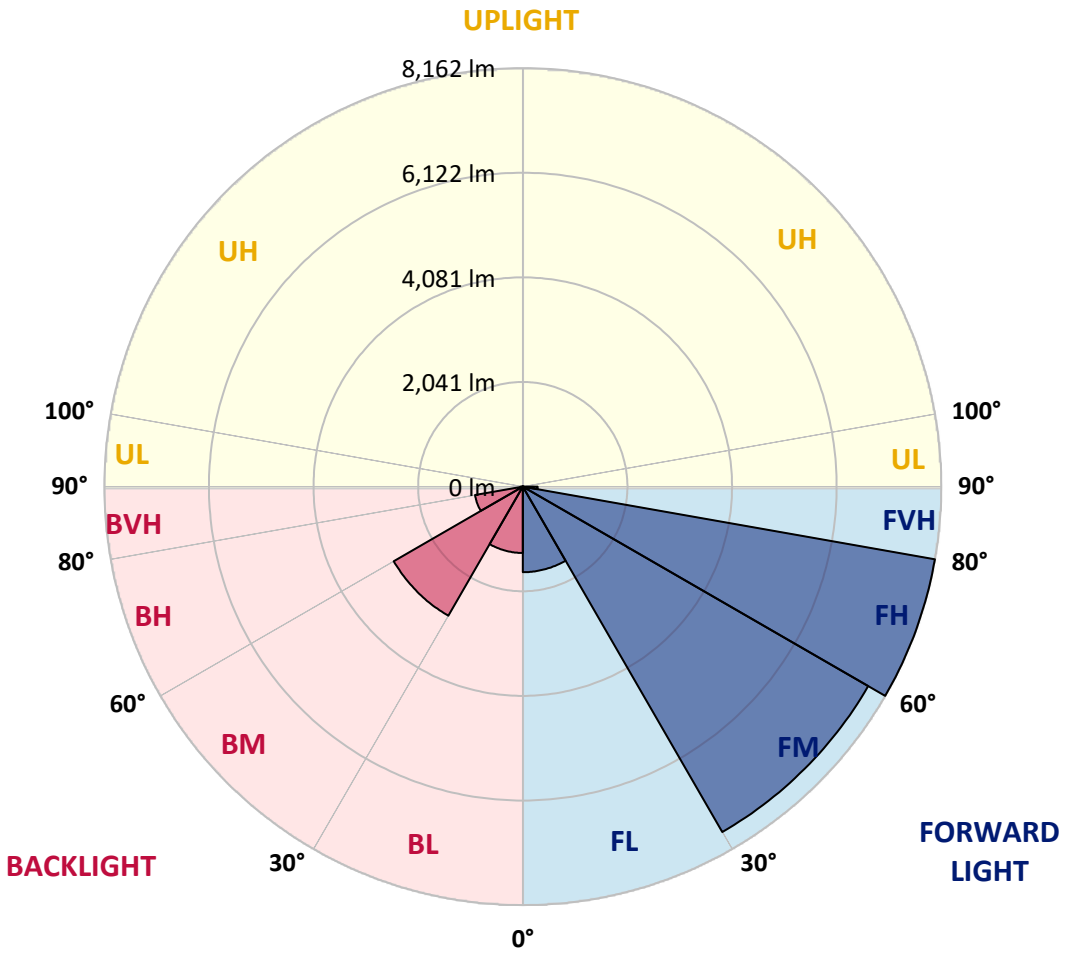
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1668.2	7.2			
FM	(30°-60°)	7778.9	33.7			
FH	(60°-80°)	8162.3	35.3			G4/12000
FVH	(80°-90°)	288.2	1.2			G3/500
BL	(0°-30°)	1294.5	5.6	B3/2500		
BM	(30°-60°)	2906.4	12.6	B3/5000		
BH	(60°-80°)	946.2	4.1	B2/1000		G2/1000
BVH	(80°-90°)	47.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	*3989.4*	3989.4	3989.4	3989.4	3989.4
2.5°	4393.3	4450.0	4442.9	4520.9	4591.7	4641.3	*4683.9*	4669.7	4634.3	4563.4	4513.8
5°	4853.9	4896.4	4967.3	5116.1	5229.5	5328.7	*5314.5*	5328.7	5222.4	5116.1	4988.6
7.5°	5250.7	5300.3	5399.6	5612.1	5753.9	5874.3	*5860.1*	5817.6	5697.2	5520.0	5328.7
10°	5498.8	5534.2	5640.5	5881.4	6044.4	6143.6	*6108.2*	6037.3	5881.4	5704.2	5477.5
12.5°	5605.0	5647.6	5739.7	5931.0	6037.3	6016.0	*6001.9*	5987.7	5909.7	5775.1	5569.6
15°	5619.2	5647.6	5718.4	5803.5	5760.9	5640.5	*5612.1*	5718.4	5817.6	5789.3	5619.2
17.5°	5619.2	5661.7	5675.9	5590.9	5371.2	5151.5	*5123.2*	5300.3	5576.7	5796.4	5697.2
20°	5640.5	5661.7	5633.4	5357.0	4946.0	4705.1	*4655.5*	4875.2	5286.2	5718.4	5775.1
22.5°	5668.8	5690.1	5569.6	5080.7	4598.8	4343.7	*4315.4*	4478.4	4960.2	5605.0	5860.1
25°	5725.5	5711.3	5527.1	4839.8	4294.1	4053.2	*4010.7*	4223.3	4690.9	5491.7	6001.9
27.5°	5796.4	5732.6	5470.4	4641.3	4074.5	3819.4	*3791.0*	3996.5	4464.2	5349.9	6122.3
30°	5888.5	5824.7	5463.3	4485.5	3911.5	3656.4	*3621.0*	3847.7	4308.3	5250.7	6292.4
32.5°	6016.0	5923.9	5470.4	4365.0	3819.4	3578.4	*3557.2*	3798.1	4244.5	5194.1	6469.5
35°	6186.1	6051.5	5498.8	4322.5	3847.7	3684.7	*3734.3*	3918.6	4308.3	5236.6	6760.1
37.5°	6398.7	6271.1	5640.5	4414.6	4159.5	4272.9	*4400.4*	4471.3	4613.0	5435.0	7227.7
40°	6753.0	6575.8	5853.1	4712.2	4995.6	5527.1	*5775.1*	5746.8	5420.8	5888.5	7886.7
42.5°	7249.0	7086.0	6285.3	5470.4	6391.6	7518.3	*7936.3*	7695.4	6710.5	6611.3	8970.9
45°	8007.2	7737.9	6866.4	6597.1	8078.1	9927.5	*10870.0*	10040.9	8347.3	7752.1	10515.7
47.5°	8978.0	8708.7	7773.4	7723.8	9963.0	12903.7	*14023.2*	12393.5	9970.0	9247.3	12365.1
50°	10536.9	10239.3	9105.5	8871.7	12046.2	15872.7	*17367.8*	14738.9	11621.1	10834.5	14646.8
52.5°	12676.9	12478.5	11217.2	10055.1	13909.9	19146.4	*20436.1*	17190.7	12896.6	12648.6	17134.0
55°	15660.1	15468.8	13966.6	11373.1	15674.3	22427.3	*23468.9*	19422.8	14009.1	14774.4	19734.6
57.5°	19040.1	19359.0	17729.2	13130.4	17530.8	25070.4	*26523.0*	21449.4	15511.3	17615.9	22625.7
60°	21243.9	22250.1	22044.6	16198.7	20414.8	28358.3	*29938.5*	24163.3	17708.0	19706.2	22561.9
62.5°	19330.7	20336.9	21910.0	19755.8	23192.6	31334.4	*32666.6*	27019.0	19890.5	18041.0	18948.0
65°	*16404.1*	*17658.4*	*19316.5*	*17162.4*	*22703.6*	*31426.5*	*32794.1*	*27125.3*	*18558.3*	*13335.9*	*13435.1*
67.5°	14136.6	15249.1	17289.9	14604.3	20124.3	28620.5	*29697.5*	24198.8	15341.2	8843.4	8765.4
70°	11798.2	12818.6	15397.9	13002.9	17630.0	24666.5	*23738.2*	20344.0	12967.4	5874.3	4868.1
72.5°	10055.1	10997.5	13683.1	11684.9	13987.8	19989.7	*16361.6*	16878.9	10551.1	3734.3	3316.3
75°	8319.0	9183.5	11635.3	10579.4	11571.5	12471.4	*11309.3*	11989.6	8694.6	3167.5	2558.1
77.5°	5838.9	6377.4	8163.1	8418.2	9006.3	7383.6	*7171.1*	8396.9	6186.1	1573.1	1077.1
80°	2876.9	3210.0	4258.7	5009.8	4258.7	4187.8	*4776.0*	5590.9	3210.0	963.7	595.2
82.5°	1289.7	1530.6	1962.8	3032.8	1537.7	1672.3	*2111.6*	2976.1	1459.7	574.0	255.1
85°	205.5	226.8	382.6	510.2	418.1	644.8	*616.5*	581.1	311.8	155.9	70.9
87.5°	7.1	7.1	7.1	14.2	21.3	28.3	*35.4*	35.4	35.4	35.4	35.4
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°	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4
2.5°	4499.6	4478.4	4372.1	4265.8	4173.7	4081.6	3989.4	3861.9	3762.7	3677.6	3642.2
5°	4924.8	4811.4	4648.4	4471.3	4315.4	4138.2	3968.2	3776.9	3621.0	3458.0	3372.9
7.5°	5215.3	5101.9	4832.7	4563.4	4372.1	4180.8	4003.6	3791.0	3585.5	3351.7	3224.1
10°	5349.9	5222.4	4931.9	4620.1	4386.2	4194.9	4031.9	3854.8	3649.3	3358.8	3188.7
12.5°	5442.1	5286.2	4953.1	4634.3	4400.4	4202.0	4046.1	3918.6	3798.1	3514.7	3316.3
15°	5498.8	5357.0	5009.8	4641.3	4379.2	4145.3	3996.5	3954.0	3975.3	3840.6	3599.7
17.5°	5583.8	5449.2	5080.7	4683.9	4343.7	4024.9	3861.9	3954.0	4145.3	4187.8	3996.5
20°	5697.2	5555.4	5172.8	4719.3	4237.4	3798.1	3642.2	3876.1	4194.9	4414.6	4308.3
22.5°	5824.7	5711.3	5279.1	4754.7	4081.6	3500.5	3429.6	3713.1	4053.2	4336.6	4343.7
25°	5980.6	5874.3	5427.9	4790.2	3869.0	3245.4	3259.6	3500.5	3769.8	4060.3	4109.9
27.5°	6193.2	6094.0	5612.1	4832.7	3649.3	3039.9	3110.8	3287.9	3472.2	3649.3	3720.2
30°	6427.0	6349.1	5831.8	4917.7	3443.8	2919.4	2962.0	3082.4	3231.2	3337.5	3372.9
32.5°	6745.9	6618.3	6037.3	4910.6	3287.9	2862.8	2820.2	2855.7	2976.1	3082.4	3089.5
35°	7142.7	7043.5	6249.9	4783.1	3146.2	2834.4	2685.6	2664.3	2735.2	2841.5	2834.4
37.5°	7723.8	7638.7	6597.1	4584.7	2969.0	2763.5	2543.9	2473.0	2522.6	2593.5	2614.7
40°	8595.3	8375.7	6993.9	4365.0	2791.9	2636.0	2373.8	2274.6	2310.0	2388.0	2402.2
42.5°	9778.7	9360.6	7525.4	4067.4	2621.8	2444.7	2203.8	2097.5	2118.7	2189.6	2203.8
45°	11295.1	10664.5	8255.2	3755.6	2487.2	2246.3	2026.6	1913.2	1934.5	2012.4	2047.9
47.5°	13066.6	12202.1	9020.5	3422.5	2409.2	2090.4	1849.5	1764.4	1814.0	1892.0	1906.1
50°	15157.0	14285.4	9509.4	3153.3	2359.6	1969.9	1686.5	1651.0	1714.8	1778.6	1792.8
52.5°	17438.7	16198.7	9197.7	2933.6	2317.1	1927.4	1573.1	1587.3	1636.9	1700.6	1721.9
55°	19656.6	16900.2	8163.1	2650.2	2267.5	1955.7	1488.1	1523.5	1587.3	1636.9	1651.0
57.5°	21102.2	16312.0	6575.8	2352.6	2210.8	1977.0	1445.5	1473.9	1544.8	1601.4	1608.5
60°	19840.9	15022.4	4924.8	2097.5	2090.4	1941.6	1431.4	1388.9	1488.1	1537.7	1544.8
62.5°	16255.3	12287.2	3146.2	1856.5	1863.6	1863.6	1424.3	1247.1	1374.7	1417.2	1410.1
65°	*11167.6*	*8687.5*	*1948.7*	*1516.4*	*1587.3*	*1693.6*	*1381.8*	*1098.3*	*1247.1*	*1289.7*	*1275.5*
67.5°	7341.1	5520.0	1204.6	1169.2	1303.8	1466.8	1296.7	985.0	1119.6	1147.9	1105.4
70°	3982.3	2600.6	793.6	765.3	1020.4	1155.0	1098.3	885.8	999.1	1027.5	985.0
72.5°	2628.9	1495.2	559.8	559.8	800.7	807.8	899.9	793.6	885.8	914.1	871.6
75°	1977.0	963.7	389.7	432.2	510.2	630.7	644.8	666.1	751.1	786.5	744.0
77.5°	907.0	354.3	233.8	318.9	354.3	481.8	411.0	496.0	559.8	574.0	538.5
80°	524.4	198.4	155.9	205.5	226.8	396.8	240.9	297.6	396.8	418.1	375.6
82.5°	219.7	99.2	106.3	127.5	134.6	219.7	170.1	191.3	262.2	255.1	226.8
85°	63.8	63.8	70.9	77.9	77.9	127.5	120.5	113.4	120.5	120.5	99.2
87.5°	42.5	42.5	42.5	49.6	49.6	56.7	63.8	70.9	70.9	70.9	63.8
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4
2.5°	3592.6	3528.8	3436.7	3422.5	3372.9	3337.5	3372.9	3408.4	3472.2	3479.2	3507.6
5°	3295.0	3146.2	3032.8	2905.3	2841.5	2834.4	2820.2	2862.8	2954.9	3011.6	3054.1
7.5°	3096.6	2827.3	2628.9	2451.8	2388.0	2338.4	2380.9	2373.8	2494.3	2543.9	2586.4
10°	2990.3	2614.7	2317.1	2097.5	2012.4	1962.8	1955.7	1969.9	2040.8	2090.4	2140.0
12.5°	3061.2	2529.7	2090.4	1835.3	1743.2	1686.5	1636.9	1636.9	1651.0	1714.8	1736.1
15°	3295.0	2579.3	1984.1	1707.7	1587.3	1495.2	1431.4	1381.8	1388.9	1395.9	1417.2
17.5°	3635.1	2706.9	1948.7	1629.8	1502.2	1388.9	1325.1	1268.4	1254.2	1254.2	1247.1
20°	3961.1	2806.1	1920.3	1566.0	1403.0	1303.8	1247.1	1197.5	1176.3	1176.3	1176.3
22.5°	4095.7	2891.1	1884.9	1488.1	1303.8	1211.7	1162.1	1126.7	1119.6	1119.6	1112.5
25°	3989.4	2862.8	1842.4	1410.1	1211.7	1140.8	1098.3	1062.9	1055.8	1062.9	1055.8
27.5°	3656.4	2763.5	1785.7	1346.3	1140.8	1077.1	1041.6	1006.2	999.1	1006.2	1006.2
30°	3302.1	2593.5	1693.6	1296.7	1084.2	1013.3	977.9	942.4	942.4	949.5	956.6
32.5°	3018.6	2423.4	1587.3	1233.0	1020.4	956.6	921.2	885.8	885.8	899.9	899.9
35°	2777.7	2288.8	1481.0	1169.2	963.7	892.8	864.5	836.2	829.1	843.2	850.3
37.5°	2586.4	2168.3	1367.6	1105.4	907.0	843.2	814.9	779.5	772.4	786.5	800.7
40°	2388.0	2033.7	1268.4	1027.5	850.3	786.5	758.2	715.7	715.7	729.9	744.0
42.5°	2196.7	1913.2	1204.6	956.6	793.6	722.8	694.4	659.0	659.0	673.2	687.3
45°	2040.8	1799.9	1169.2	885.8	729.9	666.1	630.7	602.3	609.4	623.6	637.7
47.5°	1892.0	1679.4	1176.3	850.3	687.3	602.3	566.9	545.6	559.8	581.1	595.2
50°	1778.6	1594.4	1183.4	793.6	630.7	552.7	517.3	503.1	524.4	545.6	559.8
52.5°	1707.7	1509.3	1140.8	722.8	588.1	503.1	481.8	481.8	503.1	517.3	531.5
55°	1636.9	1367.6	1048.7	644.8	545.6	467.7	453.5	453.5	474.8	488.9	496.0
57.5°	1580.2	1218.8	942.4	581.1	496.0	432.2	432.2	432.2	439.3	446.4	460.6
60°	1473.9	1062.9	807.8	531.5	446.4	403.9	396.8	396.8	389.7	396.8	418.1
62.5°	1289.7	892.8	687.3	474.8	403.9	368.5	361.4	340.1	318.9	326.0	340.1
65°	*1091.2*	*708.6*	*574.0*	*411.0*	*347.2*	*326.0*	*318.9*	*283.4*	*255.1*	*262.2*	*283.4*
67.5°	871.6	531.5	481.8	354.3	297.6	276.4	276.4	255.1	233.8	233.8	248.0
70°	680.3	446.4	361.4	283.4	233.8	233.8	248.0	226.8	198.4	198.4	219.7
72.5°	552.7	361.4	290.5	219.7	184.2	198.4	205.5	184.2	163.0	163.0	177.2
75°	432.2	283.4	226.8	163.0	141.7	148.8	163.0	148.8	127.5	134.6	141.7
77.5°	297.6	191.3	148.8	120.5	106.3	113.4	113.4	106.3	99.2	99.2	106.3
80°	198.4	127.5	99.2	85.0	77.9	77.9	70.9	70.9	77.9	77.9	85.0
82.5°	141.7	92.1	77.9	63.8	49.6	49.6	56.7	56.7	63.8	63.8	70.9
85°	85.0	63.8	56.7	42.5	35.4	42.5	42.5	49.6	56.7	56.7	63.8
87.5°	63.8	49.6	42.5	35.4	28.3	28.3	35.4	35.4	42.5	49.6	49.6
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: P1365340
CATALOG NUMBER: GSS-SB6B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4	3989.4
2.5°	3578.4	3663.5	3783.9	3890.2	4017.8	4145.3	4265.8	4379.2	4386.2	4393.3
5°	3188.7	3358.8	3557.2	3798.1	4053.2	4301.2	4563.4	4776.0	4825.6	4853.9
7.5°	2756.5	3004.5	3309.2	3649.3	4031.9	4414.6	4783.1	5101.9	5222.4	5250.7
10°	2303.0	2607.7	2976.1	3415.5	3932.7	4442.9	4939.0	5328.7	5470.4	5498.8
12.5°	1899.1	2147.1	2572.2	3103.7	3727.2	4400.4	4995.6	5427.9	5569.6	5605.0
15°	1551.8	1785.7	2182.5	2742.3	3443.8	4251.6	4953.1	5449.2	5590.9	5619.2
17.5°	1282.6	1431.4	1792.8	2402.2	3188.7	4060.3	4896.4	5463.3	5598.0	5619.2
20°	1176.3	1204.6	1395.9	1991.2	2919.4	3918.6	4861.0	5484.6	5619.2	5640.5
22.5°	1126.7	1126.7	1169.2	1516.4	2543.9	3769.8	4846.8	5548.4	5647.6	5668.8
25°	1077.1	1077.1	1091.2	1190.5	2097.5	3585.5	4875.2	5661.7	5725.5	5725.5
27.5°	1027.5	1027.5	1041.6	1062.9	1558.9	3280.8	4882.3	5789.3	5817.6	5796.4
30°	977.9	992.0	992.0	1006.2	1147.9	2898.2	4839.8	5931.0	5931.0	5888.5
32.5°	928.3	935.4	949.5	956.6	999.1	2402.2	4768.9	6108.2	6072.7	6016.0
35°	885.8	892.8	892.8	907.0	949.5	1920.3	4690.9	6349.1	6249.9	6186.1
37.5°	829.1	836.2	843.2	857.4	899.9	1523.5	4577.6	6554.6	6483.7	6398.7
40°	779.5	786.5	793.6	807.8	850.3	1310.9	4435.9	6866.4	6852.2	6753.0
42.5°	722.8	736.9	744.0	751.1	807.8	1197.5	4336.6	7369.5	7369.5	7249.0
45°	673.2	687.3	687.3	701.5	779.5	1098.3	4556.3	8063.9	8120.6	8007.2
47.5°	630.7	637.7	637.7	644.8	736.9	1013.3	5144.5	9126.8	9055.9	8978.0
50°	588.1	602.3	588.1	595.2	701.5	1062.9	6115.2	10487.3	10671.6	10536.9
52.5°	559.8	566.9	538.5	538.5	651.9	1126.7	6908.9	12223.4	12839.9	12676.9
55°	524.4	531.5	496.0	496.0	574.0	977.9	6958.5	14200.4	15553.8	15660.1
57.5°	488.9	488.9	460.6	453.5	496.0	793.6	6171.9	15731.0	18799.2	19040.1
60°	446.4	439.3	425.2	411.0	453.5	729.9	4705.1	15525.5	20407.8	21243.9
62.5°	382.6	396.8	389.7	361.4	411.0	680.3	3068.2	13435.1	18593.7	19330.7
65°	*318.9*	*340.1*	*340.1*	*318.9*	*453.5*	*595.2*	*1615.6*	*10756.6*	*15518.4*	*16404.1*
67.5°	283.4	297.6	290.5	276.4	403.9	375.6	779.5	8248.1	13286.3	14136.6
70°	248.0	262.2	240.9	226.8	326.0	269.3	460.6	5520.0	10969.2	11798.2
72.5°	205.5	219.7	198.4	177.2	240.9	205.5	304.7	3592.6	9133.9	10055.1
75°	170.1	177.2	163.0	141.7	177.2	163.0	212.6	2345.5	7638.7	8319.0
77.5°	120.5	134.6	127.5	106.3	127.5	113.4	148.8	1339.3	5328.7	5838.9
80°	92.1	92.1	92.1	85.0	77.9	77.9	99.2	602.3	2586.4	2876.9
82.5°	77.9	77.9	70.9	63.8	56.7	49.6	56.7	177.2	1218.8	1289.7
85°	70.9	56.7	49.6	42.5	35.4	21.3	21.3	49.6	248.0	205.5
87.5°	42.5	35.4	28.3	14.2	7.1	7.1	0.0	7.1	7.1	7.1
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

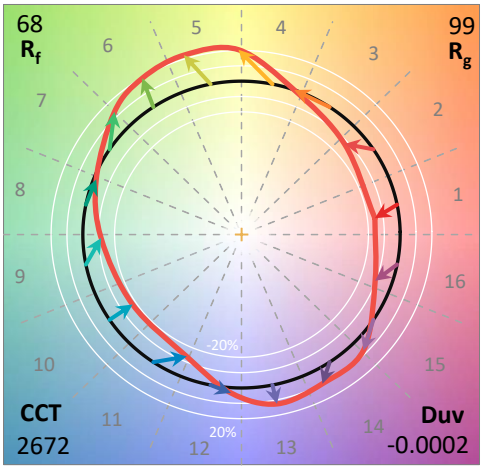
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

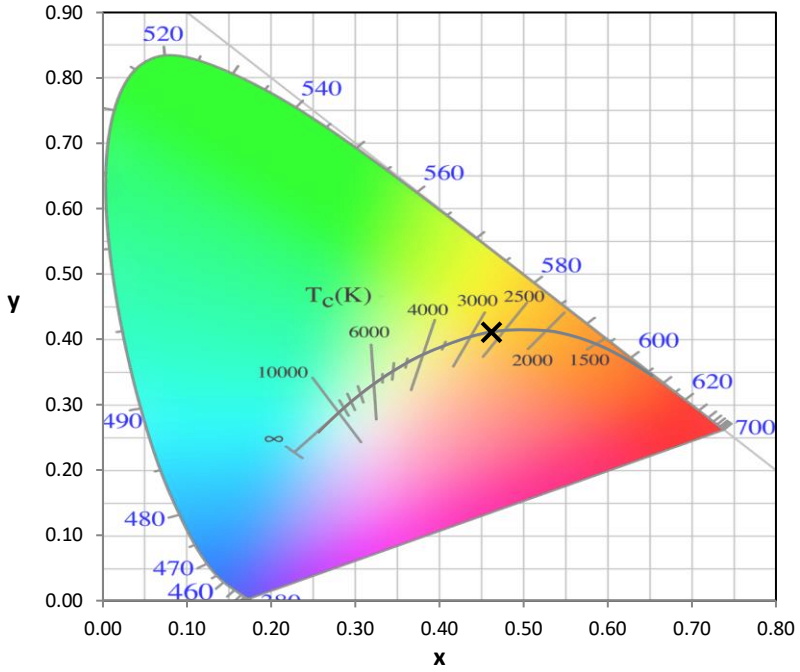
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

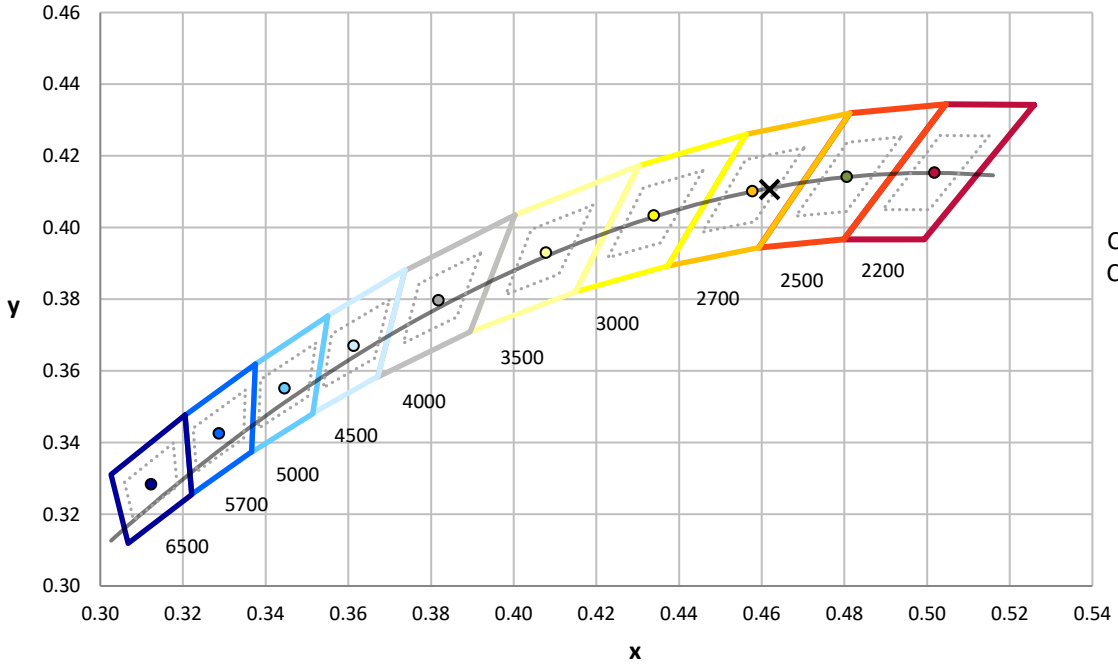
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

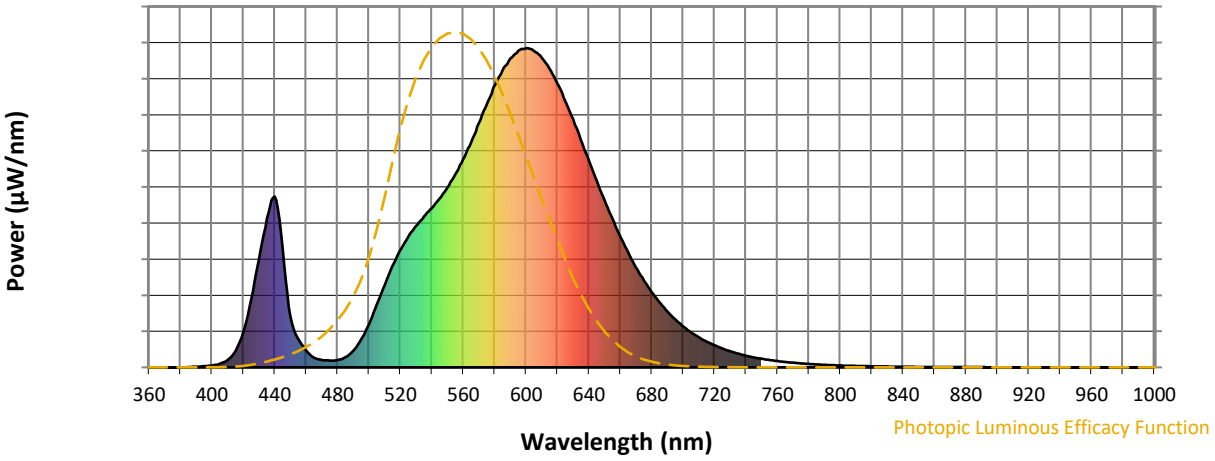


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

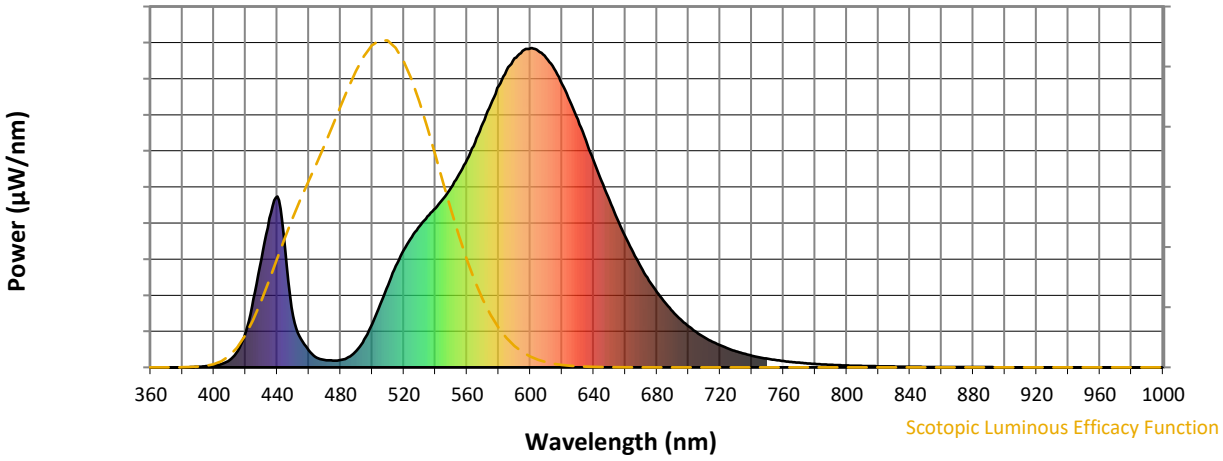


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

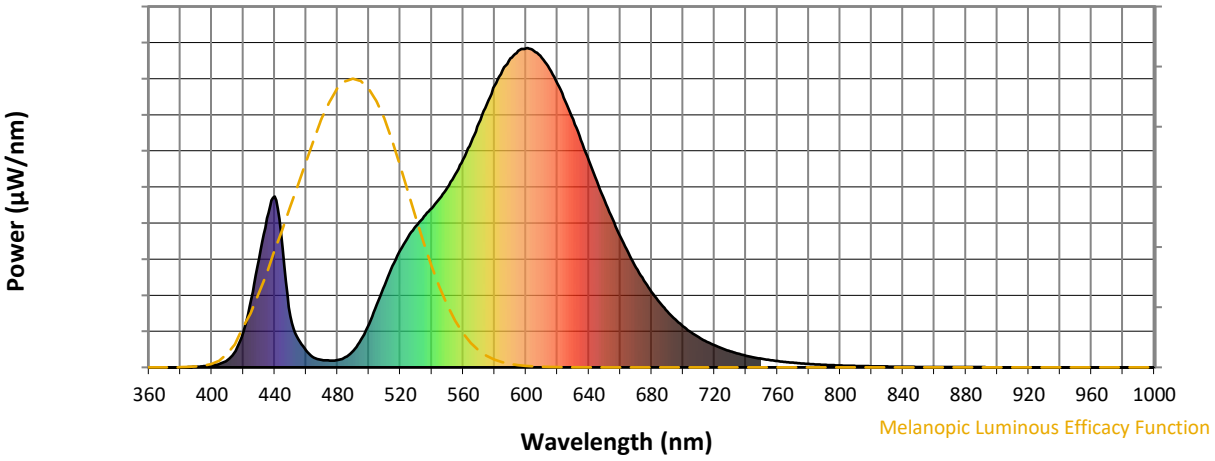


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

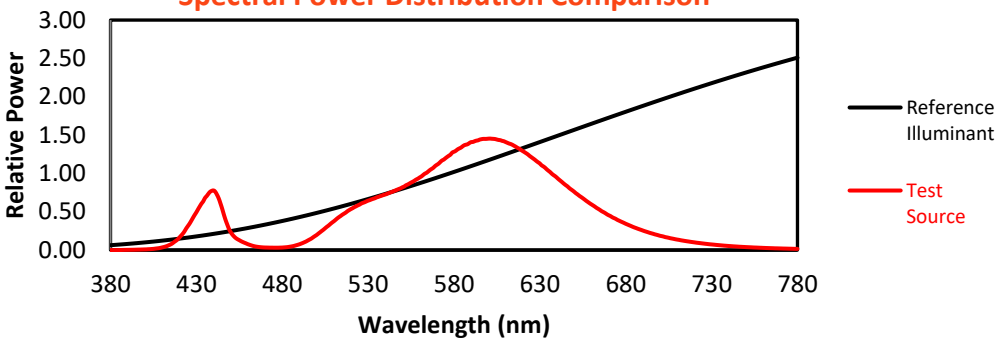
REPORT NUMBER: SP1-2407-184-3

TM-30-18

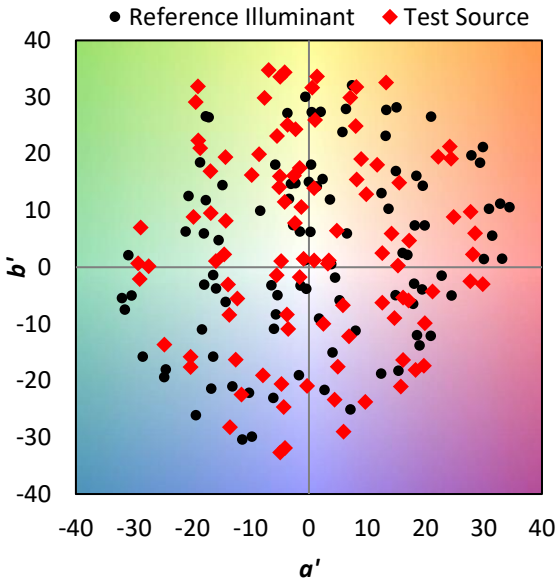
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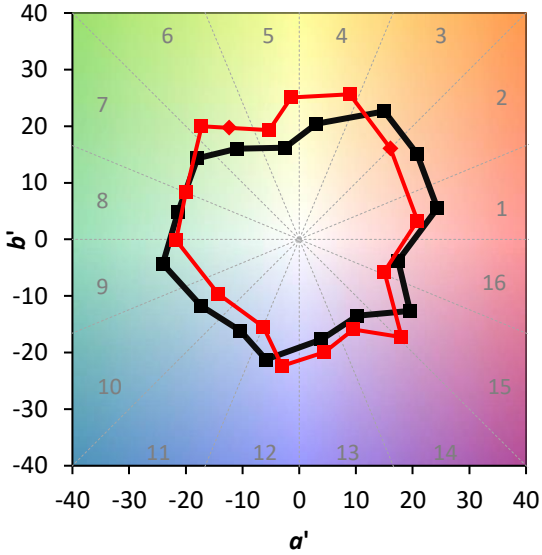
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

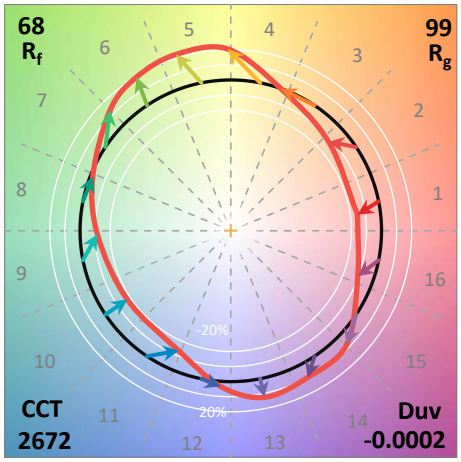
Spectral Power Distribution Comparison

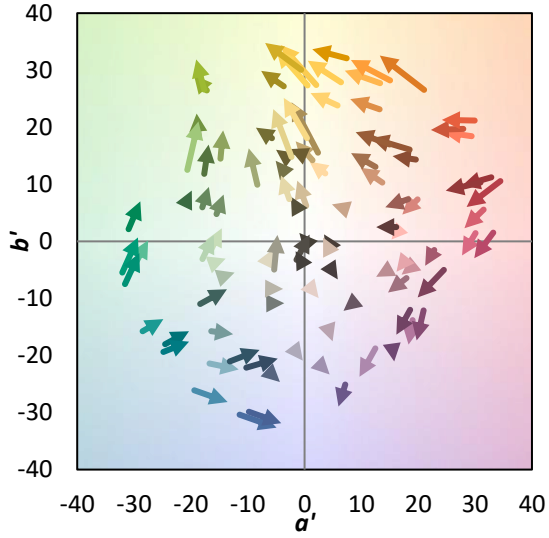


Color Vector Graphics







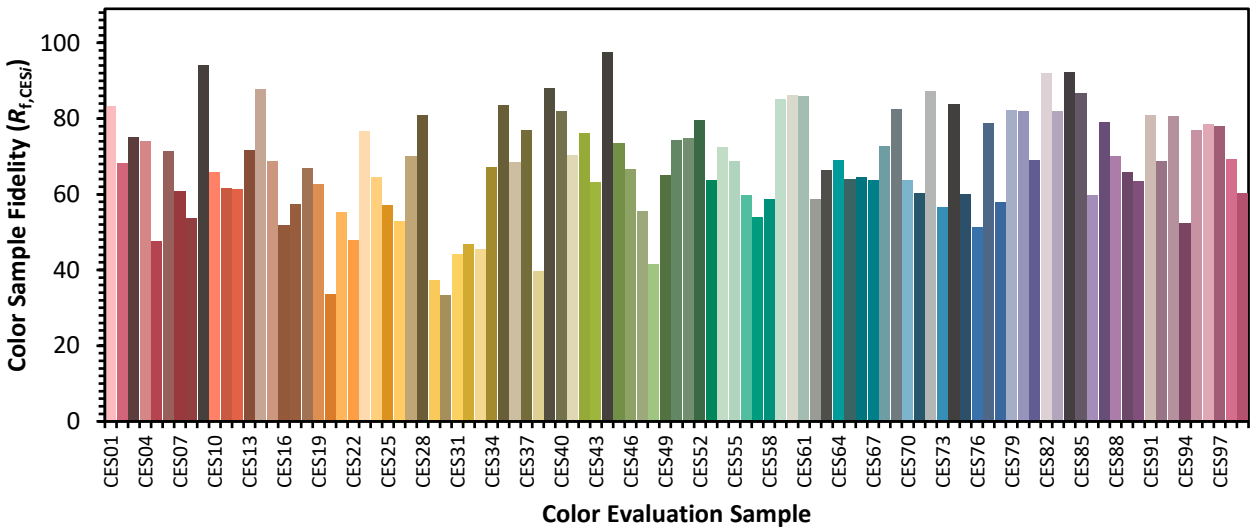


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Individual Sample Fidelity Index ($R_{f,i}$)

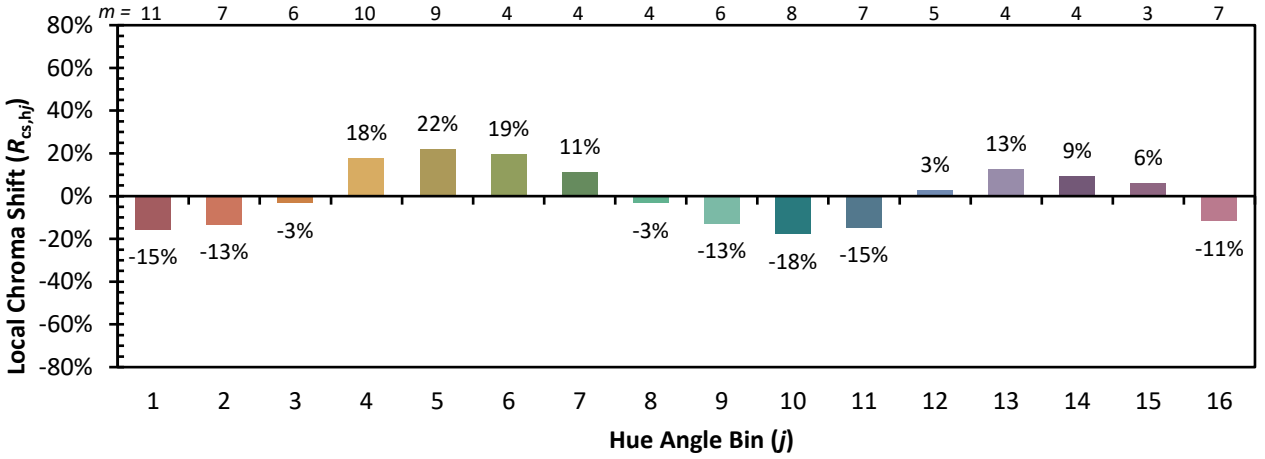
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

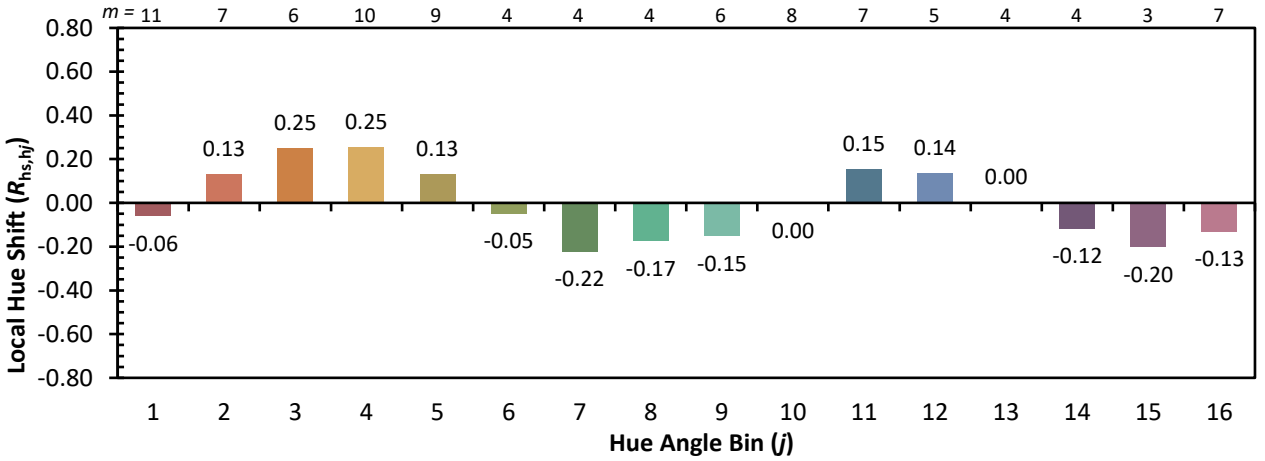


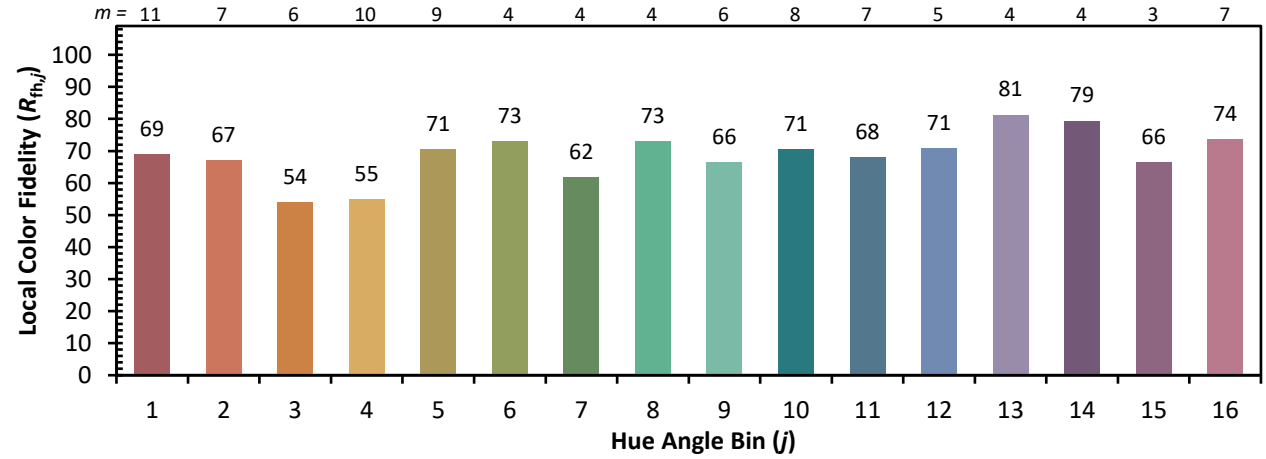
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Color Rendition by Hue-Angle Bin



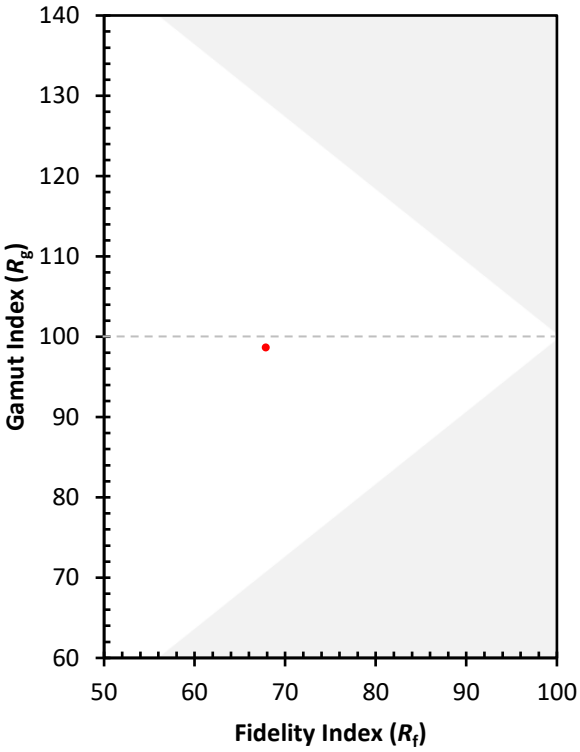


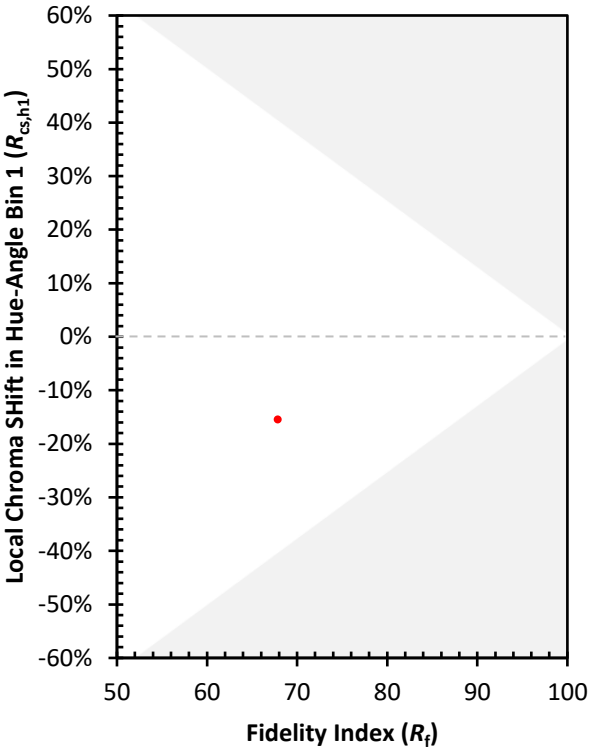


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Measure Comparisons





(END OF REPORT)