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: P1365381

Luminaire Tested: **GSS-SB4C-735-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:	P1365381
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21876.5 lumens
Efficiency:	N/A
Efficacy:	107.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

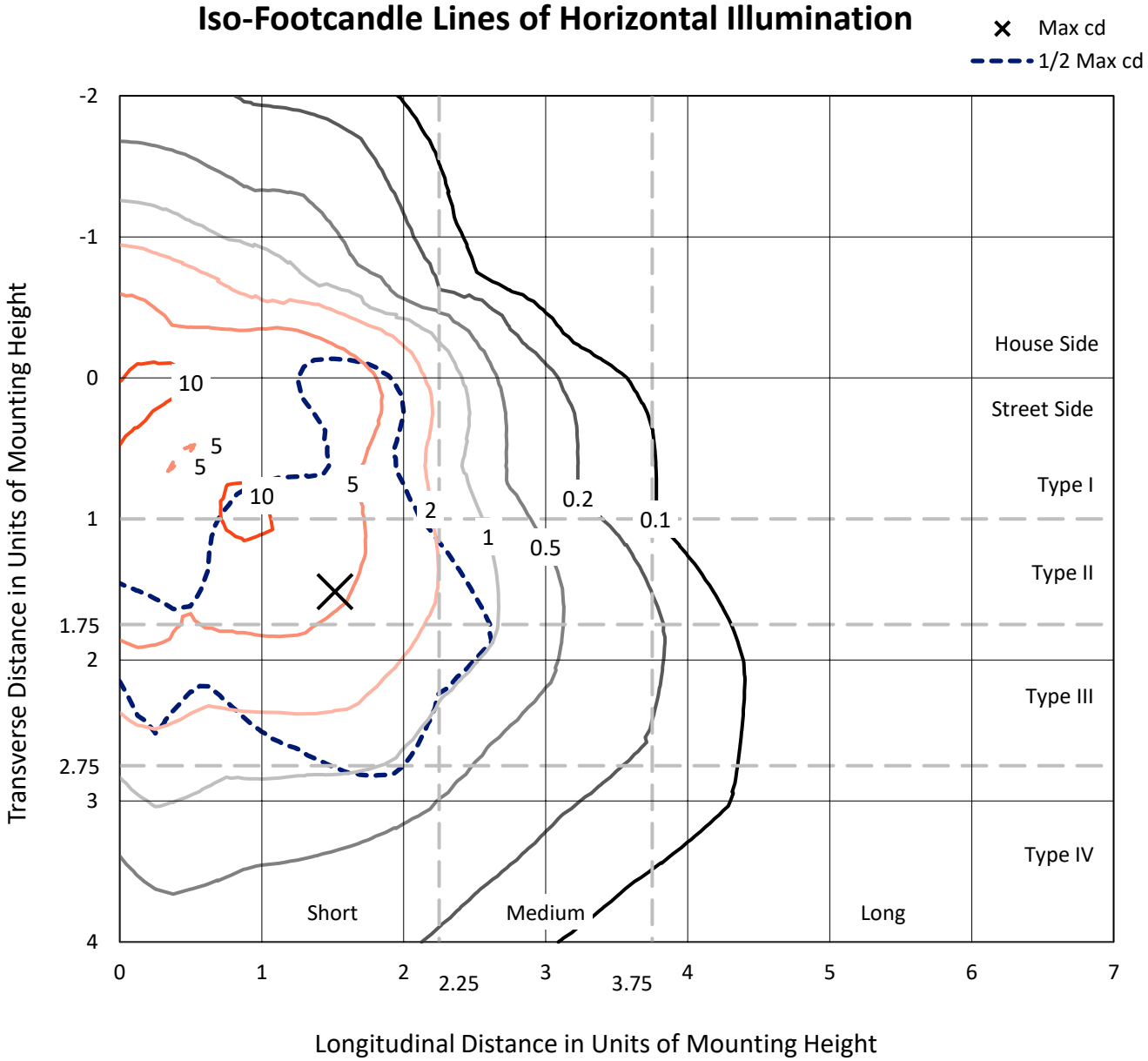
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



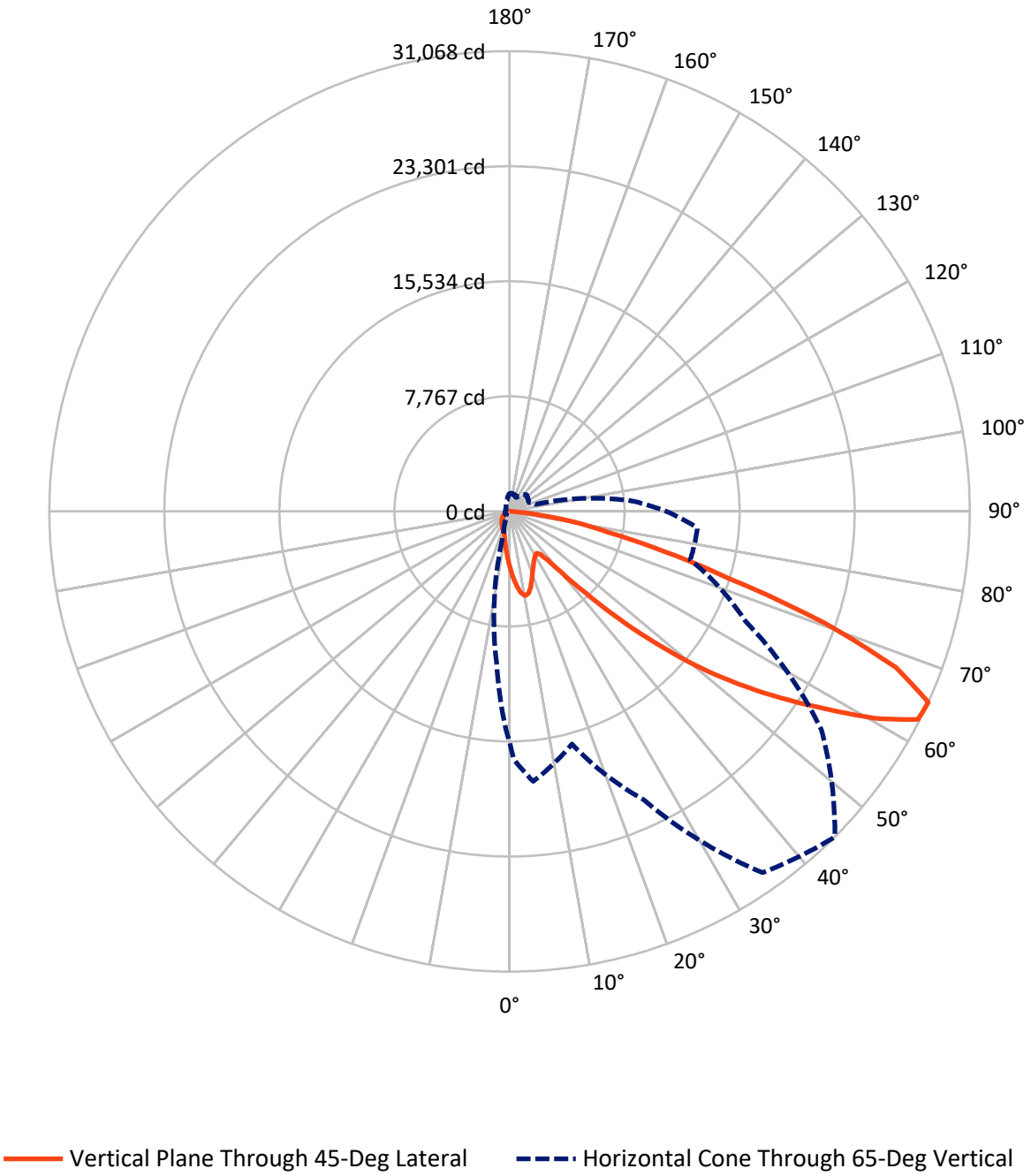
Based on 20 foot mounting height. Maximum calculated value = 13.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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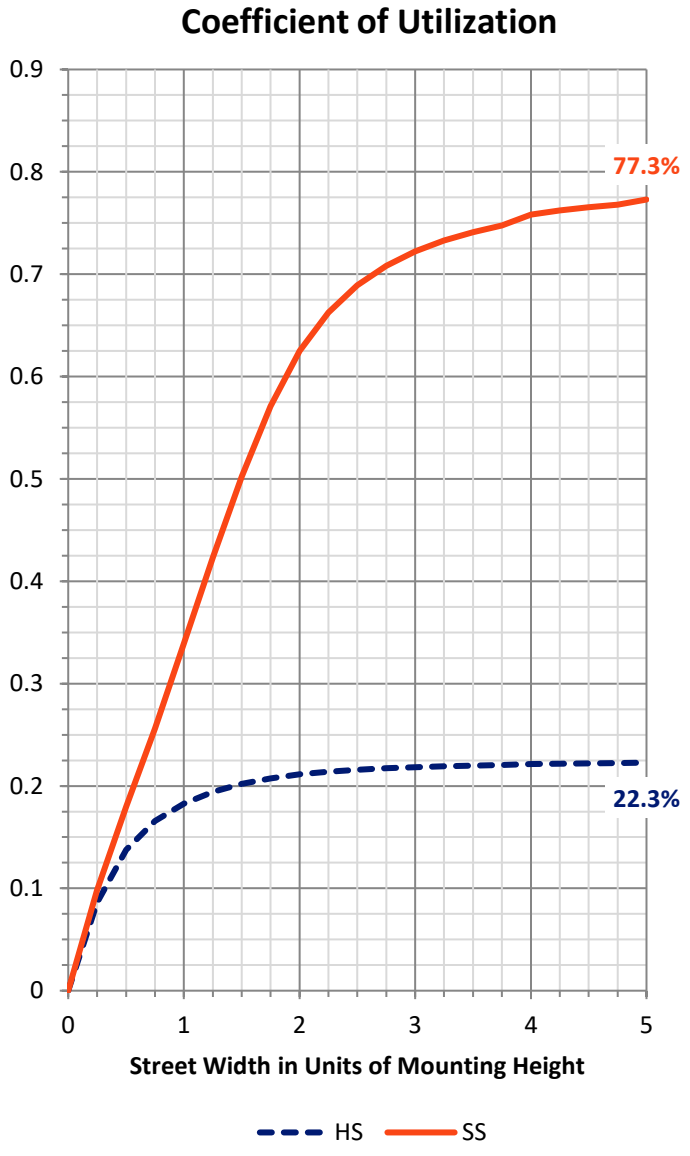
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4921.0	0.0	4921.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	16955.4	0.0	16955.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	21876.5	0.0	21876.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.2	1.7
10°-20°	1004.6	4.6
20°-30°	1438.9	6.6
30°-40°	1804.9	8.3
40°-50°	2964.8	13.6
50°-60°	5353.1	24.5
60°-70°	5942.8	27.2
70°-80°	2686.3	12.3
80°-90°	317.9	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°	21876.5	100.0
0°-180°	21876.5	100.0



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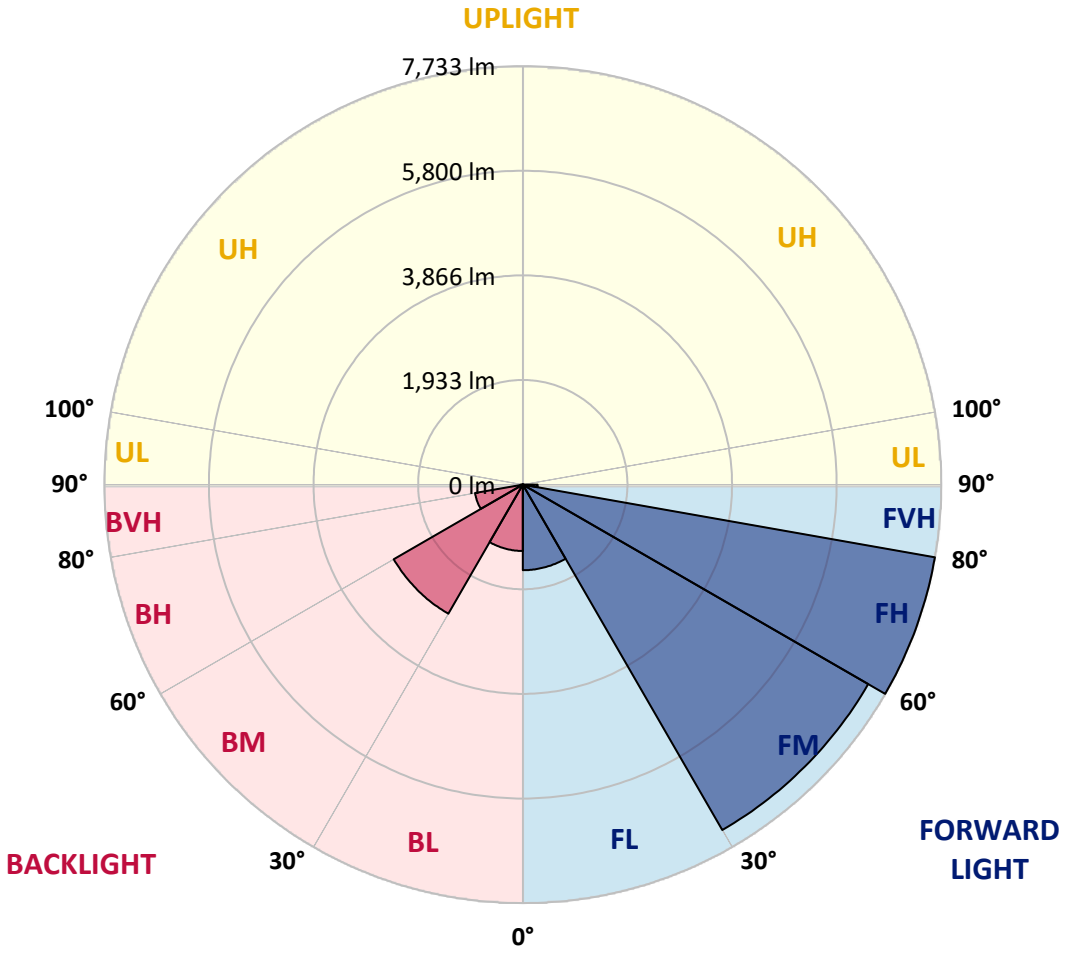
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1580.4	7.2			
FM	(30°-60°)	7369.4	33.7			
FH	(60°-80°)	7732.7	35.3			G4/12000
FVH	(80°-90°)	273.0	1.2			G3/500
BL	(0°-30°)	1226.3	5.6	B3/2500		
BM	(30°-60°)	2753.4	12.6	B3/5000		
BH	(60°-80°)	896.4	4.1	B2/1000		G2/1000
BVH	(80°-90°)	44.9	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°	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	*3779.4*	3779.4	3779.4	3779.4	3779.4
2.5°	4162.1	4215.8	4209.1	4282.9	4350.0	4397.0	*4437.3*	4423.9	4390.3	4323.2	4276.2
5°	4598.4	4638.7	4705.8	4846.8	4954.2	5048.2	*5034.8*	5048.2	4947.5	4846.8	4726.0
7.5°	4974.3	5021.3	5115.3	5316.7	5451.0	5565.1	*5551.7*	5511.4	5397.3	5229.4	5048.2
10°	5209.3	5242.9	5343.6	5571.8	5726.2	5820.2	*5786.6*	5719.5	5571.8	5404.0	5189.2
12.5°	5310.0	5350.3	5437.5	5618.8	5719.5	5699.3	*5685.9*	5672.5	5598.6	5471.1	5276.4
15°	5323.4	5350.3	5417.4	5498.0	5457.7	5343.6	*5316.7*	5417.4	5511.4	5484.5	5323.4
17.5°	5323.4	5363.7	5377.1	5296.6	5088.5	4880.4	*4853.5*	5021.3	5283.1	5491.2	5397.3
20°	5343.6	5363.7	5336.8	5075.0	4685.7	4457.4	*4410.4*	4618.5	5007.9	5417.4	5471.1
22.5°	5370.4	5390.5	5276.4	4813.2	4356.7	4115.1	*4088.2*	4242.6	4699.1	5310.0	5551.7
25°	5424.1	5410.7	5236.1	4585.0	4068.1	3839.8	*3799.6*	4001.0	4444.0	5202.6	5685.9
27.5°	5491.2	5430.8	5182.4	4397.0	3860.0	3618.3	*3591.5*	3786.1	4229.2	5068.3	5800.0
30°	5578.5	5518.1	5175.7	4249.3	3705.6	3463.9	*3430.3*	3645.2	4081.5	4974.3	5961.2
32.5°	5699.3	5612.1	5182.4	4135.2	3618.3	3390.1	*3369.9*	3598.2	4021.1	4920.6	6129.0
35°	5860.5	5732.9	5209.3	4094.9	3645.2	3490.8	*3537.8*	3712.3	4081.5	4960.9	6404.2
37.5°	6061.8	5941.0	5343.6	4182.2	3940.5	4047.9	*4168.8*	4235.9	4370.2	5148.9	6847.3
40°	6397.5	6229.7	5544.9	4464.1	4732.7	5236.1	*5471.1*	5444.2	5135.5	5578.5	7471.6
42.5°	6867.4	6713.0	5954.4	5182.4	6055.1	7122.5	*7518.6*	7290.3	6357.2	6263.2	8498.7
45°	7585.7	7330.6	6504.9	6249.8	7652.8	9404.9	*10297.8*	9512.3	7907.9	7344.0	9962.1
47.5°	8505.4	8250.3	7364.2	7317.2	9438.5	12224.4	*13285.0*	11741.0	9445.2	8760.5	11714.2
50°	9982.2	9700.3	8626.2	8404.7	11412.1	15037.1	*16453.6*	13963.1	11009.3	10264.2	13875.8
52.5°	12009.6	11821.6	10626.7	9525.8	13177.6	18138.5	*19360.3*	16285.8	12217.7	11982.7	16232.1
55°	14835.7	14654.5	13231.3	10774.4	14849.2	21246.7	*22233.5*	18400.4	13271.6	13996.6	18695.7
57.5°	18037.9	18339.9	16795.9	12439.2	16608.0	23750.6	*25126.8*	20320.3	14694.8	16688.5	21434.6
60°	20125.6	21078.8	20884.2	15345.9	19340.2	26865.5	*28362.5*	22891.4	16775.8	18668.9	21374.2
62.5°	18313.1	19266.3	20756.6	18715.9	21971.7	29684.9	*30947.0*	25596.7	18843.4	17091.3	17950.6
65°	*15540.6*	*16728.8*	*18299.7*	*16258.9*	*21508.5*	*29772.2*	*31067.8*	*25697.4*	*17581.4*	*12633.9*	*12727.9*
67.5°	13392.4	14446.4	16379.7	13835.5	19064.9	27113.8	*28134.2*	22924.9	14533.7	8377.8	8304.0
70°	11177.2	12143.8	14587.4	12318.4	16702.0	23368.0	*22488.6*	19273.0	12284.8	5565.1	4611.8
72.5°	9525.8	10418.6	12962.8	11069.7	13251.5	18937.4	*15500.3*	15990.4	9995.7	3537.8	3141.7
75°	7881.1	8700.1	11022.8	10022.5	10962.3	11814.9	*10714.0*	11358.4	8236.9	3000.7	2423.4
77.5°	5531.5	6041.7	7733.4	7975.1	8532.2	6995.0	*6793.6*	7954.9	5860.5	1490.3	1020.4
80°	2725.5	3041.0	4034.5	4746.1	4034.5	3967.4	*4524.6*	5296.6	3041.0	913.0	563.9
82.5°	1221.8	1450.0	1859.5	2873.2	1456.7	1584.3	*2000.5*	2819.5	1382.9	543.8	241.7
85°	194.7	214.8	362.5	483.3	396.1	610.9	*584.0*	550.5	295.4	147.7	67.1
87.5°	6.7	6.7	6.7	13.4	20.1	26.9	*33.6*	33.6	33.6	33.6	33.6
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°	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4
2.5°	4262.8	4242.6	4141.9	4041.2	3954.0	3866.7	3779.4	3658.6	3564.6	3484.1	3450.5
5°	4665.5	4558.1	4403.7	4235.9	4088.2	3920.4	3759.3	3578.0	3430.3	3275.9	3195.4
7.5°	4940.8	4833.4	4578.3	4323.2	4141.9	3960.7	3792.8	3591.5	3396.8	3175.3	3054.4
10°	5068.3	4947.5	4672.3	4376.9	4155.4	3974.1	3819.7	3651.9	3457.2	3182.0	3020.9
12.5°	5155.6	5007.9	4692.4	4390.3	4168.8	3980.8	3833.1	3712.3	3598.2	3329.7	3141.7
15°	5209.3	5075.0	4746.1	4397.0	4148.6	3927.1	3786.1	3745.9	3766.0	3638.4	3410.2
17.5°	5289.8	5162.3	4813.2	4437.3	4115.1	3813.0	3658.6	3745.9	3927.1	3967.4	3786.1
20°	5397.3	5263.0	4900.5	4470.9	4014.4	3598.2	3450.5	3672.0	3974.1	4182.2	4081.5
22.5°	5518.1	5410.7	5001.2	4504.4	3866.7	3316.2	3249.1	3517.6	3839.8	4108.4	4115.1
25°	5665.8	5565.1	5142.2	4538.0	3665.3	3074.6	3088.0	3316.2	3571.3	3846.6	3893.5
27.5°	5867.2	5773.2	5316.7	4578.3	3457.2	2879.9	2947.0	3114.8	3289.4	3457.2	3524.3
30°	6088.7	6014.9	5524.8	4658.8	3262.5	2765.8	2806.0	2920.2	3061.1	3161.8	3195.4
32.5°	6390.8	6269.9	5719.5	4652.1	3114.8	2712.1	2671.8	2705.3	2819.5	2920.2	2926.9
35°	6766.7	6672.7	5920.9	4531.3	2980.6	2685.2	2544.2	2524.1	2591.2	2691.9	2685.2
37.5°	7317.2	7236.6	6249.8	4343.3	2812.8	2618.1	2410.0	2342.8	2389.8	2457.0	2477.1
40°	8142.9	7934.8	6625.7	4135.2	2644.9	2497.2	2248.9	2154.9	2188.4	2262.3	2275.7
42.5°	9264.0	8867.9	7129.2	3853.3	2483.8	2316.0	2087.7	1987.1	2007.2	2074.3	2087.7
45°	10700.5	10103.1	7820.7	3557.9	2356.3	2128.0	1919.9	1812.5	1832.7	1906.5	1940.1
47.5°	12378.8	11559.8	8545.7	3242.4	2282.4	1980.3	1752.1	1671.5	1718.5	1792.4	1805.8
50°	14359.1	13533.4	9008.9	2987.3	2235.4	1866.2	1597.7	1564.1	1624.5	1685.0	1698.4
52.5°	16520.7	15345.9	8713.5	2779.2	2195.2	1825.9	1490.3	1503.7	1550.7	1611.1	1631.3
55°	18621.9	16010.5	7733.4	2510.7	2148.2	1852.8	1409.7	1443.3	1503.7	1550.7	1564.1
57.5°	19991.3	15453.3	6229.7	2228.7	2094.5	1872.9	1369.5	1396.3	1463.4	1517.1	1523.9
60°	18796.4	14231.6	4665.5	1987.1	1980.3	1839.4	1356.0	1315.7	1409.7	1456.7	1463.4
62.5°	15399.6	11640.4	2980.6	1758.8	1765.5	1765.5	1349.3	1181.5	1302.3	1342.6	1335.9
65°	*10579.7*	*8230.1*	*1846.1*	*1436.6*	*1503.7*	*1604.4*	*1309.0*	*1040.5*	*1181.5*	*1221.8*	*1208.3*
67.5°	6954.7	5229.4	1141.2	1107.6	1235.2	1389.6	1228.5	933.1	1060.7	1087.5	1047.2
70°	3772.7	2463.7	751.9	725.0	966.7	1094.2	1040.5	839.1	946.5	973.4	933.1
72.5°	2490.5	1416.4	530.3	530.3	758.6	765.3	852.6	751.9	839.1	866.0	825.7
75°	1872.9	913.0	369.2	409.5	483.3	597.5	610.9	631.0	711.6	745.1	704.9
77.5°	859.3	335.7	221.5	302.1	335.7	456.5	389.4	469.9	530.3	543.8	510.2
80°	496.8	188.0	147.7	194.7	214.8	375.9	228.2	281.9	375.9	396.1	355.8
82.5°	208.1	94.0	100.7	120.8	127.5	208.1	161.1	181.3	248.4	241.7	214.8
85°	60.4	60.4	67.1	73.8	73.8	120.8	114.1	107.4	114.1	114.1	94.0
87.5°	40.3	40.3	40.3	47.0	47.0	53.7	60.4	67.1	67.1	67.1	60.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4
2.5°	3403.5	3343.1	3255.8	3242.4	3195.4	3161.8	3195.4	3229.0	3289.4	3296.1	3322.9
5°	3121.5	2980.6	2873.2	2752.3	2691.9	2685.2	2671.8	2712.1	2799.3	2853.0	2893.3
7.5°	2933.6	2678.5	2490.5	2322.7	2262.3	2215.3	2255.6	2248.9	2363.0	2410.0	2450.2
10°	2832.9	2477.1	2195.2	1987.1	1906.5	1859.5	1852.8	1866.2	1933.3	1980.3	2027.3
12.5°	2900.0	2396.5	1980.3	1738.7	1651.4	1597.7	1550.7	1550.7	1564.1	1624.5	1644.7
15°	3121.5	2443.5	1879.6	1617.8	1503.7	1416.4	1356.0	1309.0	1315.7	1322.5	1342.6
17.5°	3443.8	2564.4	1846.1	1544.0	1423.2	1315.7	1255.3	1201.6	1188.2	1188.2	1181.5
20°	3752.6	2658.4	1819.2	1483.6	1329.2	1235.2	1181.5	1134.5	1114.4	1114.4	1114.4
22.5°	3880.1	2738.9	1785.7	1409.7	1235.2	1147.9	1100.9	1067.4	1060.7	1060.7	1053.9
25°	3779.4	2712.1	1745.4	1335.9	1147.9	1080.8	1040.5	1007.0	1000.2	1007.0	1000.2
27.5°	3463.9	2618.1	1691.7	1275.5	1080.8	1020.4	986.8	953.2	946.5	953.2	953.2
30°	3128.3	2457.0	1604.4	1228.5	1027.1	960.0	926.4	892.8	892.8	899.5	906.3
32.5°	2859.7	2295.8	1503.7	1168.1	966.7	906.3	872.7	839.1	839.1	852.6	852.6
35°	2631.5	2168.3	1403.0	1107.6	913.0	845.8	819.0	792.1	785.4	798.8	805.6
37.5°	2450.2	2054.2	1295.6	1047.2	859.3	798.8	772.0	738.4	731.7	745.1	758.6
40°	2262.3	1926.6	1201.6	973.4	805.6	745.1	718.3	678.0	678.0	691.4	704.9
42.5°	2081.0	1812.5	1141.2	906.3	751.9	684.7	657.9	624.3	624.3	637.7	651.2
45°	1933.3	1705.1	1107.6	839.1	691.4	631.0	597.5	570.6	577.3	590.7	604.2
47.5°	1792.4	1591.0	1114.4	805.6	651.2	570.6	537.0	516.9	530.3	550.5	563.9
50°	1685.0	1510.4	1121.1	751.9	597.5	523.6	490.0	476.6	496.8	516.9	530.3
52.5°	1617.8	1429.9	1080.8	684.7	557.2	476.6	456.5	456.5	476.6	490.0	503.5
55°	1550.7	1295.6	993.5	610.9	516.9	443.1	429.6	429.6	449.8	463.2	469.9
57.5°	1497.0	1154.6	892.8	550.5	469.9	409.5	409.5	409.5	416.2	422.9	436.3
60°	1396.3	1007.0	765.3	503.5	422.9	382.6	375.9	375.9	369.2	375.9	396.1
62.5°	1221.8	845.8	651.2	449.8	382.6	349.1	342.4	322.2	302.1	308.8	322.2
65°	*1033.8*	*671.3*	*543.8*	*389.4*	*328.9*	*308.8*	*302.1*	*268.5*	*241.7*	*248.4*	*268.5*
67.5°	825.7	503.5	456.5	335.7	281.9	261.8	261.8	241.7	221.5	221.5	235.0
70°	644.4	422.9	342.4	268.5	221.5	221.5	235.0	214.8	188.0	188.0	208.1
72.5°	523.6	342.4	275.2	208.1	174.5	188.0	194.7	174.5	154.4	154.4	167.8
75°	409.5	268.5	214.8	154.4	134.3	141.0	154.4	141.0	120.8	127.5	134.3
77.5°	281.9	181.3	141.0	114.1	100.7	107.4	107.4	100.7	94.0	94.0	100.7
80°	188.0	120.8	94.0	80.6	73.8	73.8	67.1	67.1	73.8	73.8	80.6
82.5°	134.3	87.3	73.8	60.4	47.0	47.0	53.7	53.7	60.4	60.4	67.1
85°	80.6	60.4	53.7	40.3	33.6	40.3	40.3	47.0	53.7	53.7	60.4
87.5°	60.4	47.0	40.3	33.6	26.9	26.9	33.6	33.6	40.3	47.0	47.0
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: P1365381
CATALOG NUMBER: GSS-SB4C-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4
2.5°	3390.1	3470.6	3584.7	3685.4	3806.3	3927.1	4041.2	4148.6	4155.4	4162.1
5°	3020.9	3182.0	3369.9	3598.2	3839.8	4074.8	4323.2	4524.6	4571.6	4598.4
7.5°	2611.4	2846.3	3135.0	3457.2	3819.7	4182.2	4531.3	4833.4	4947.5	4974.3
10°	2181.7	2470.4	2819.5	3235.7	3725.7	4209.1	4679.0	5048.2	5182.4	5209.3
12.5°	1799.1	2034.0	2436.8	2940.3	3531.0	4168.8	4732.7	5142.2	5276.4	5310.0
15°	1470.1	1691.7	2067.6	2597.9	3262.5	4027.8	4692.4	5162.3	5296.6	5323.4
17.5°	1215.1	1356.0	1698.4	2275.7	3020.9	3846.6	4638.7	5175.7	5303.3	5323.4
20°	1114.4	1141.2	1322.5	1886.4	2765.8	3712.3	4605.1	5195.9	5323.4	5343.6
22.5°	1067.4	1067.4	1107.6	1436.6	2410.0	3571.3	4591.7	5256.3	5350.3	5370.4
25°	1020.4	1020.4	1033.8	1127.8	1987.1	3396.8	4618.5	5363.7	5424.1	5424.1
27.5°	973.4	973.4	986.8	1007.0	1476.9	3108.1	4625.3	5484.5	5511.4	5491.2
30°	926.4	939.8	939.8	953.2	1087.5	2745.6	4585.0	5618.8	5618.8	5578.5
32.5°	879.4	886.1	899.5	906.3	946.5	2275.7	4517.9	5786.6	5753.0	5699.3
35°	839.1	845.8	845.8	859.3	899.5	1819.2	4444.0	6014.9	5920.9	5860.5
37.5°	785.4	792.1	798.8	812.3	852.6	1443.3	4336.6	6209.5	6142.4	6061.8
40°	738.4	745.1	751.9	765.3	805.6	1241.9	4202.3	6504.9	6491.5	6397.5
42.5°	684.7	698.2	704.9	711.6	765.3	1134.5	4108.4	6981.5	6981.5	6867.4
45°	637.7	651.2	651.2	664.6	738.4	1040.5	4316.5	7639.4	7693.1	7585.7
47.5°	597.5	604.2	604.2	610.9	698.2	960.0	4873.6	8646.4	8579.2	8505.4
50°	557.2	570.6	557.2	563.9	664.6	1007.0	5793.3	9935.3	10109.8	9982.2
52.5°	530.3	537.0	510.2	510.2	617.6	1067.4	6545.2	11579.9	12164.0	12009.6
55°	496.8	503.5	469.9	469.9	543.8	926.4	6592.2	13452.9	14735.1	14835.7
57.5°	463.2	463.2	436.3	429.6	469.9	751.9	5847.0	14902.9	17809.6	18037.9
60°	422.9	416.2	402.8	389.4	429.6	691.4	4457.4	14708.2	19333.5	20125.6
62.5°	362.5	375.9	369.2	342.4	389.4	644.4	2906.7	12727.9	17614.9	18313.1
65°	*302.1*	*322.2*	*322.2*	*302.1*	*429.6*	*563.9*	*1530.6*	*10190.3*	*14701.5*	*15540.6*
67.5°	268.5	281.9	275.2	261.8	382.6	355.8	738.4	7813.9	12586.9	13392.4
70°	235.0	248.4	228.2	214.8	308.8	255.1	436.3	5229.4	10391.7	11177.2
72.5°	194.7	208.1	188.0	167.8	228.2	194.7	288.7	3403.5	8653.1	9525.8
75°	161.1	167.8	154.4	134.3	167.8	154.4	201.4	2222.0	7236.6	7881.1
77.5°	114.1	127.5	120.8	100.7	120.8	107.4	141.0	1268.8	5048.2	5531.5
80°	87.3	87.3	87.3	80.6	73.8	73.8	94.0	570.6	2450.2	2725.5
82.5°	73.8	73.8	67.1	60.4	53.7	47.0	53.7	167.8	1154.6	1221.8
85°	67.1	53.7	47.0	40.3	33.6	20.1	20.1	47.0	235.0	194.7
87.5°	40.3	33.6	26.9	13.4	6.7	6.7	0.0	6.7	6.7	6.7
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

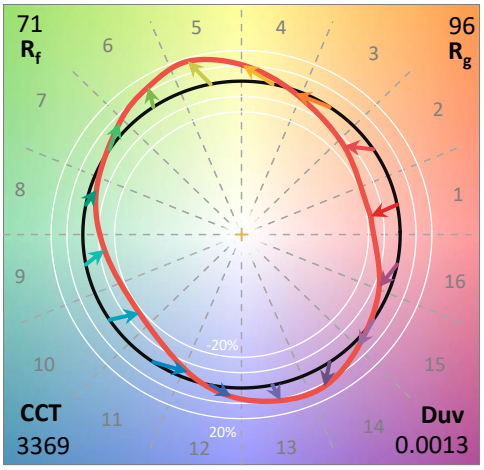
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

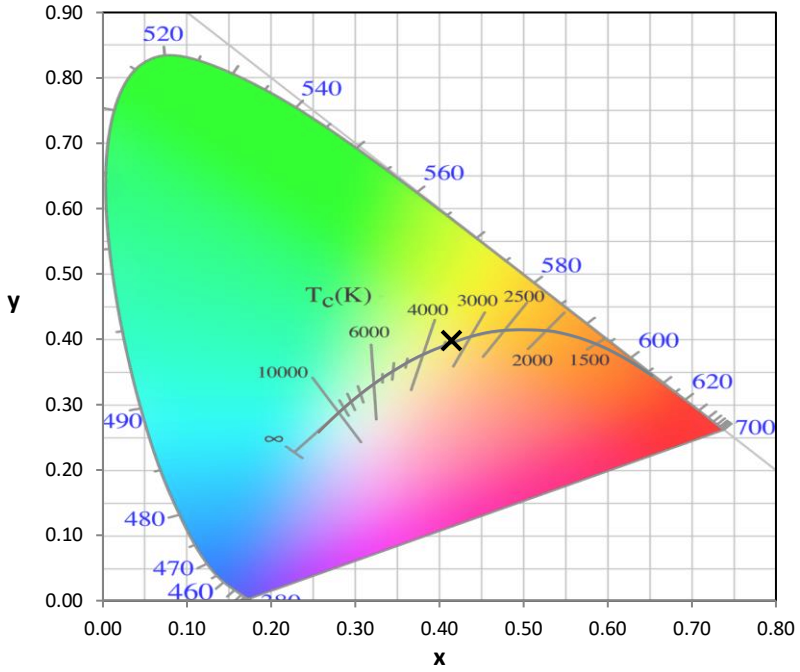
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

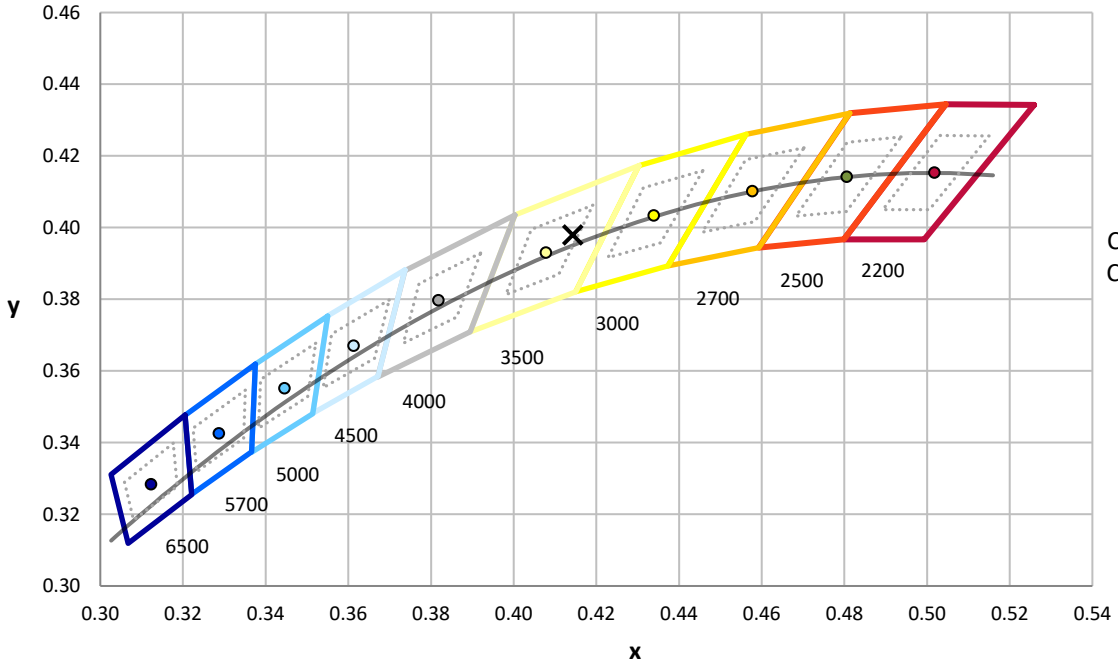
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

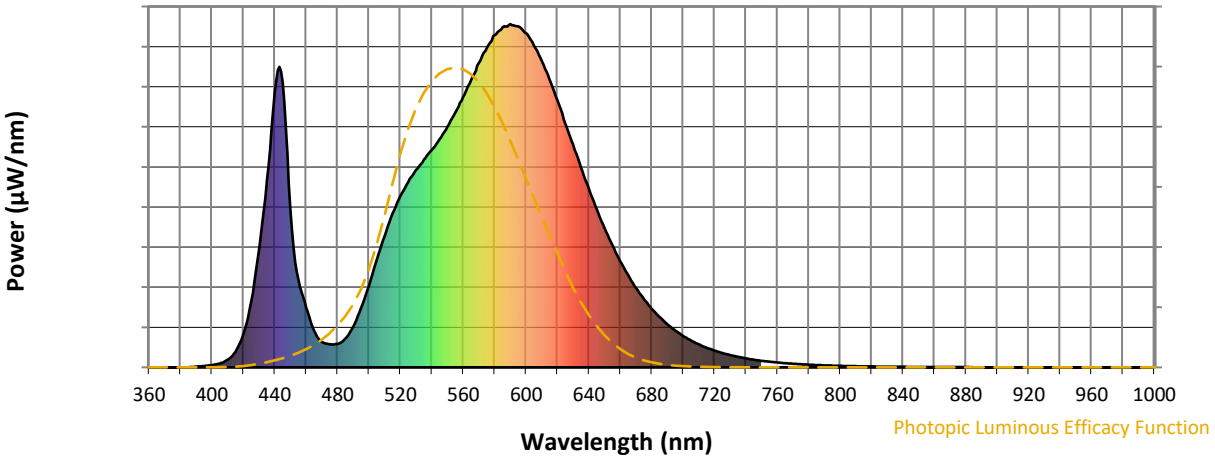


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

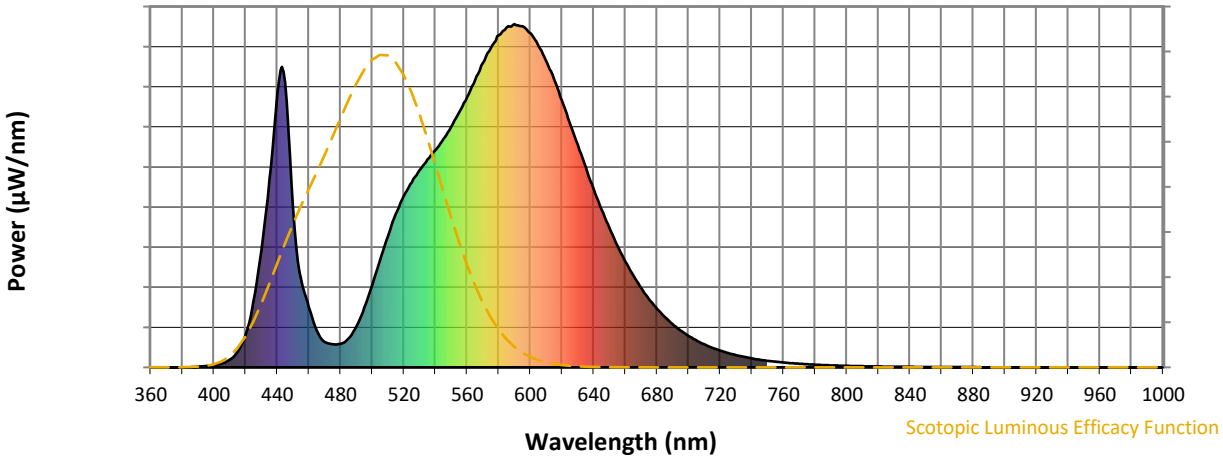


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

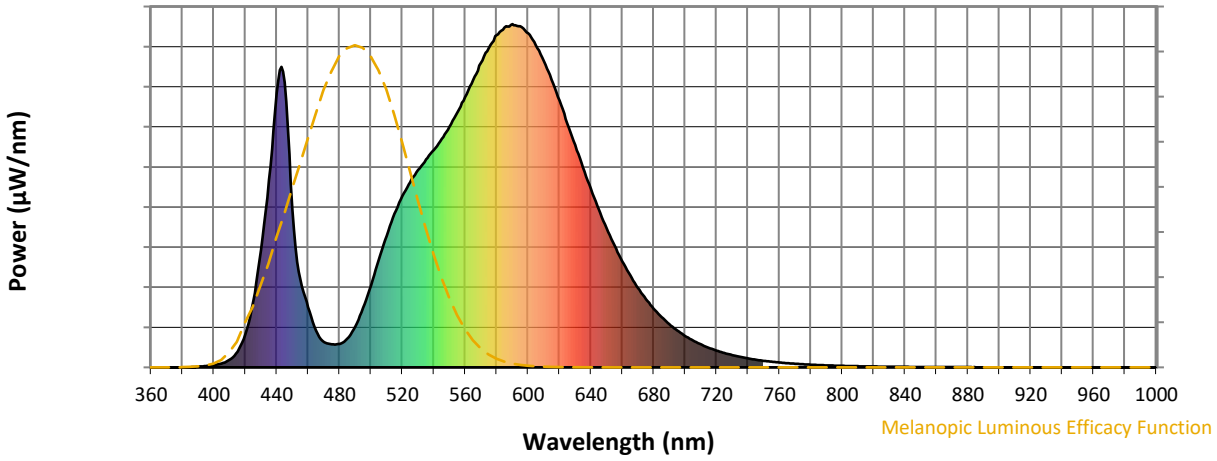


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

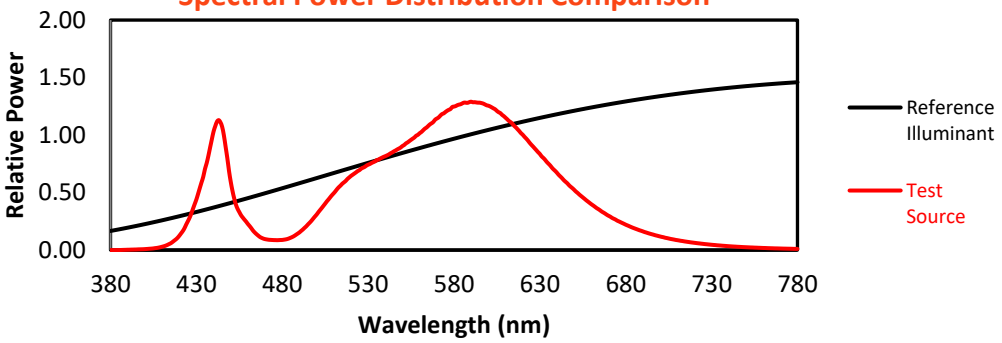
REPORT NUMBER: SP1-2407-184-5

TM-30-18

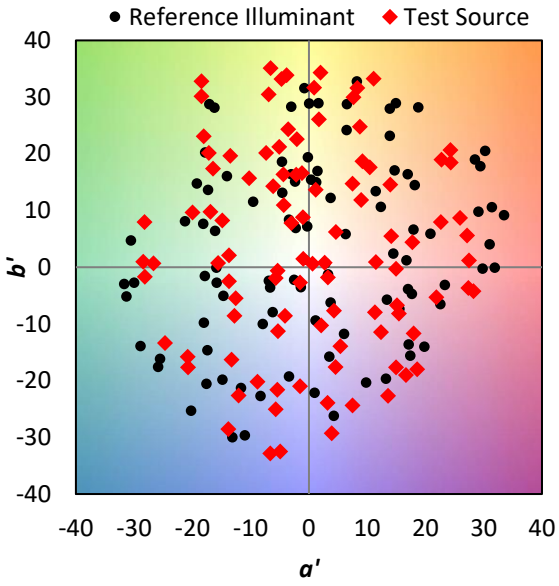
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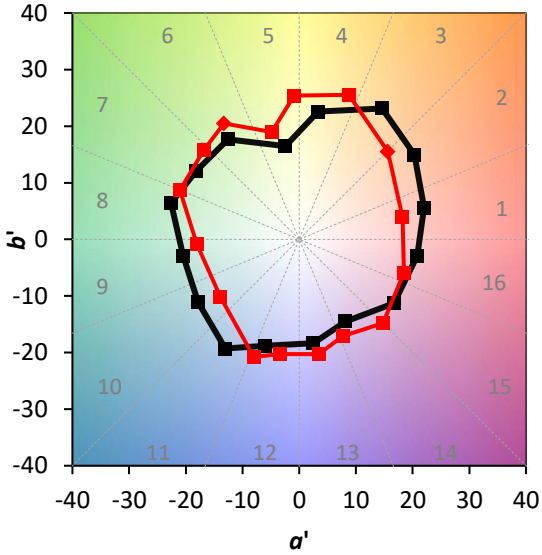
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

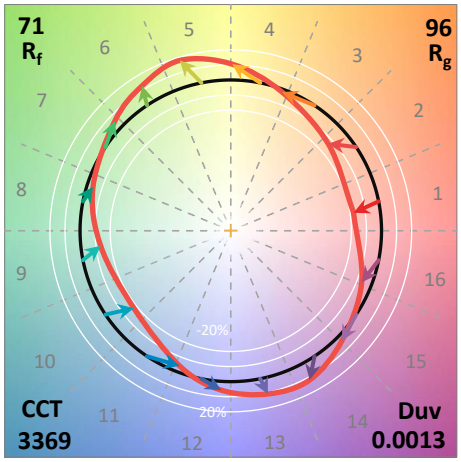
Spectral Power Distribution Comparison

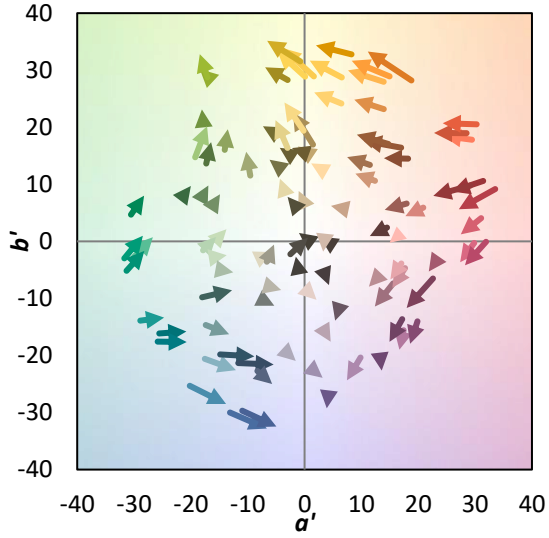


Color Vector Graphics







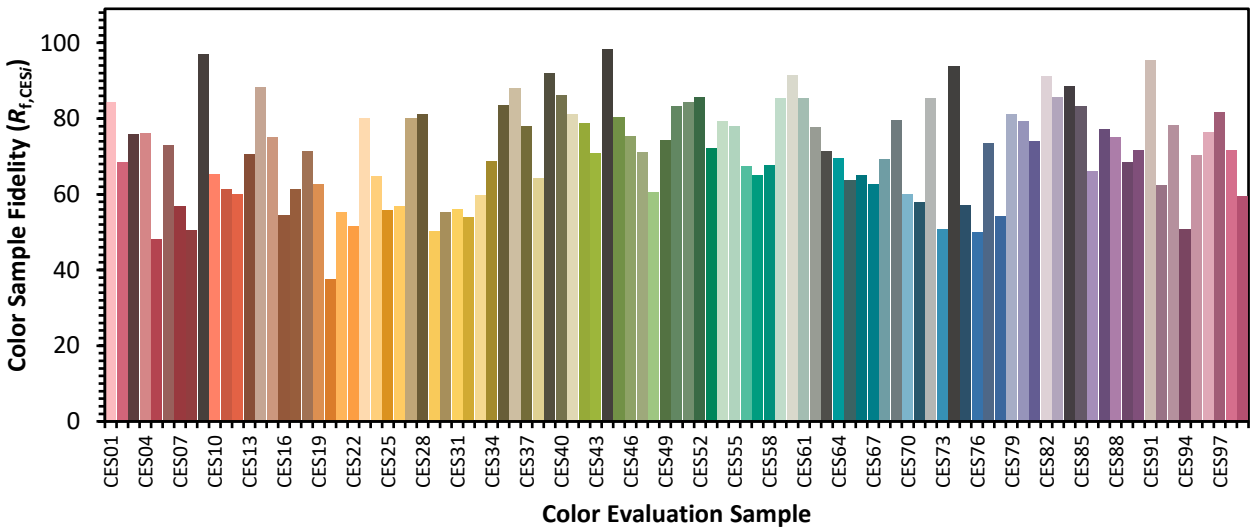


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Individual Sample Fidelity Index ($R_{f,i}$)

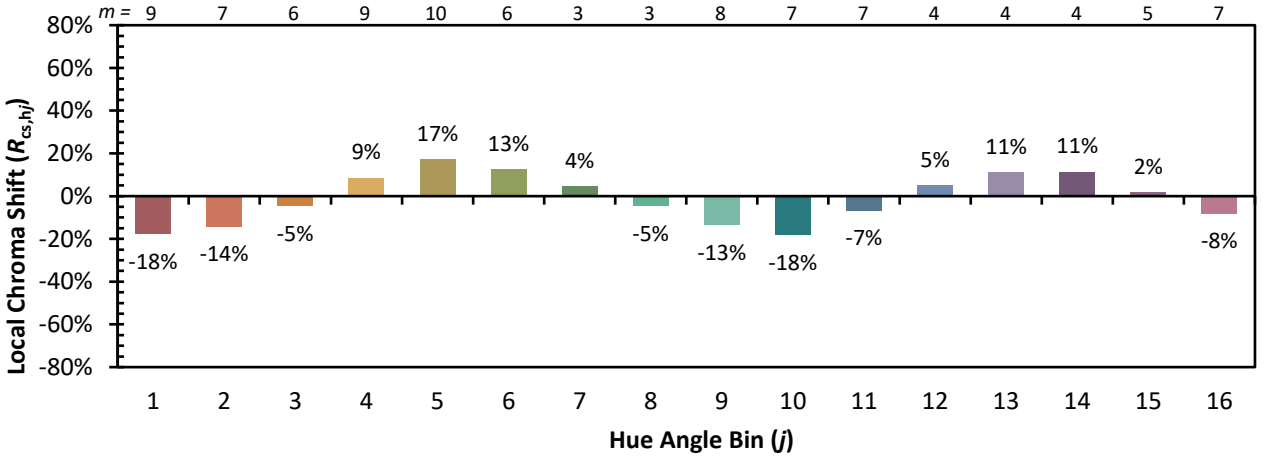
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

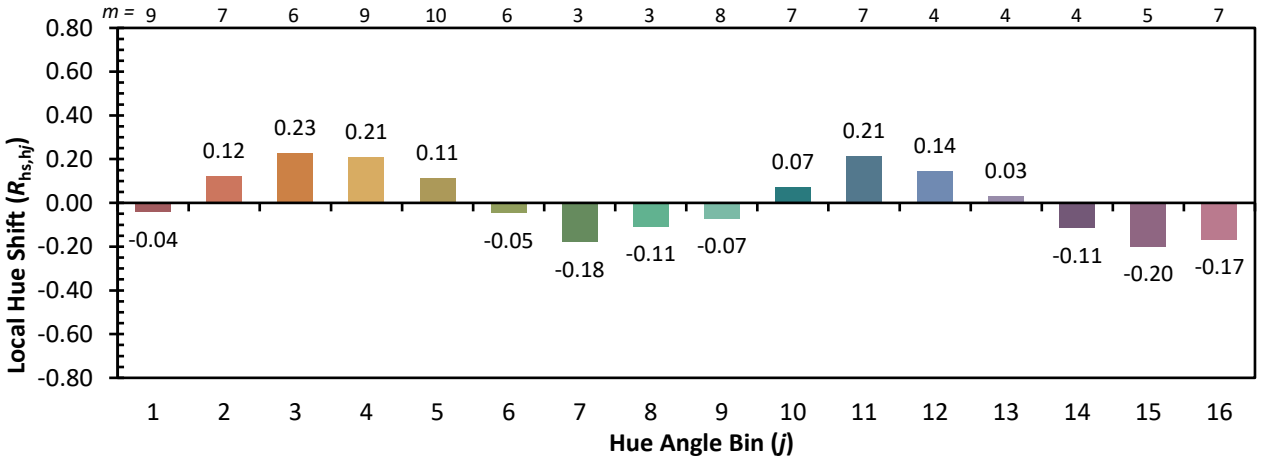


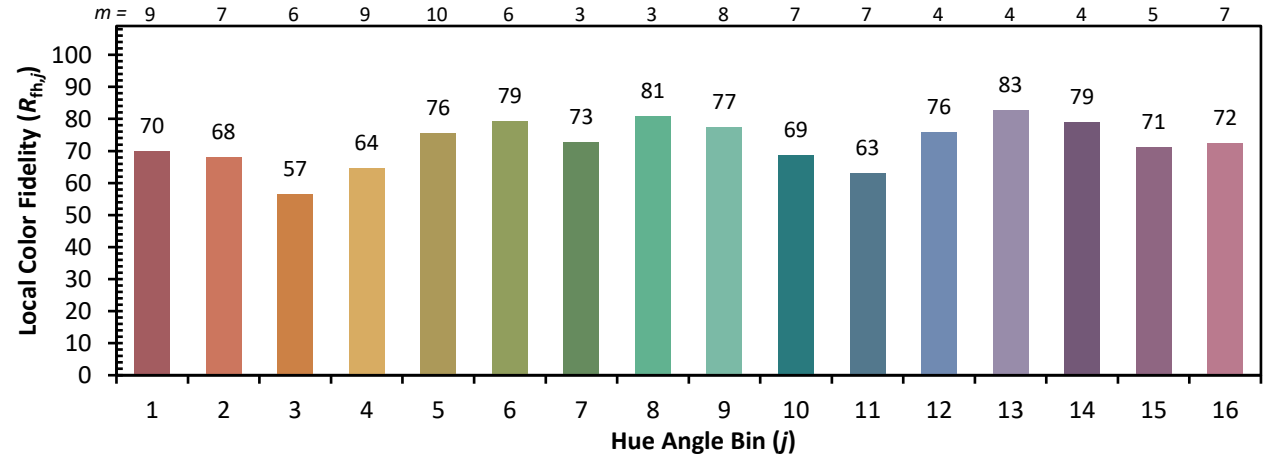
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Color Rendition by Hue-Angle Bin



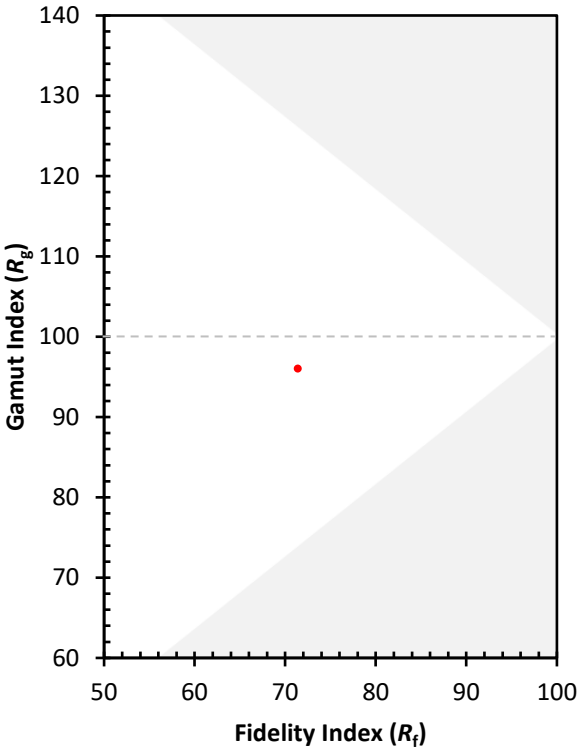


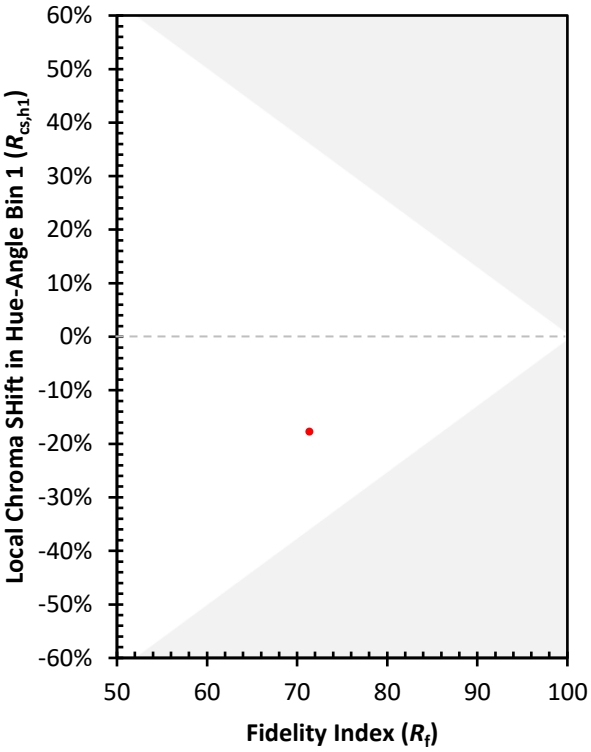


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Measure Comparisons





(END OF REPORT)