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: P1364589

Luminaire Tested: **GSS-SB4C-730-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364589
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-730-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21861.6 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:	B2 - U0 - G4

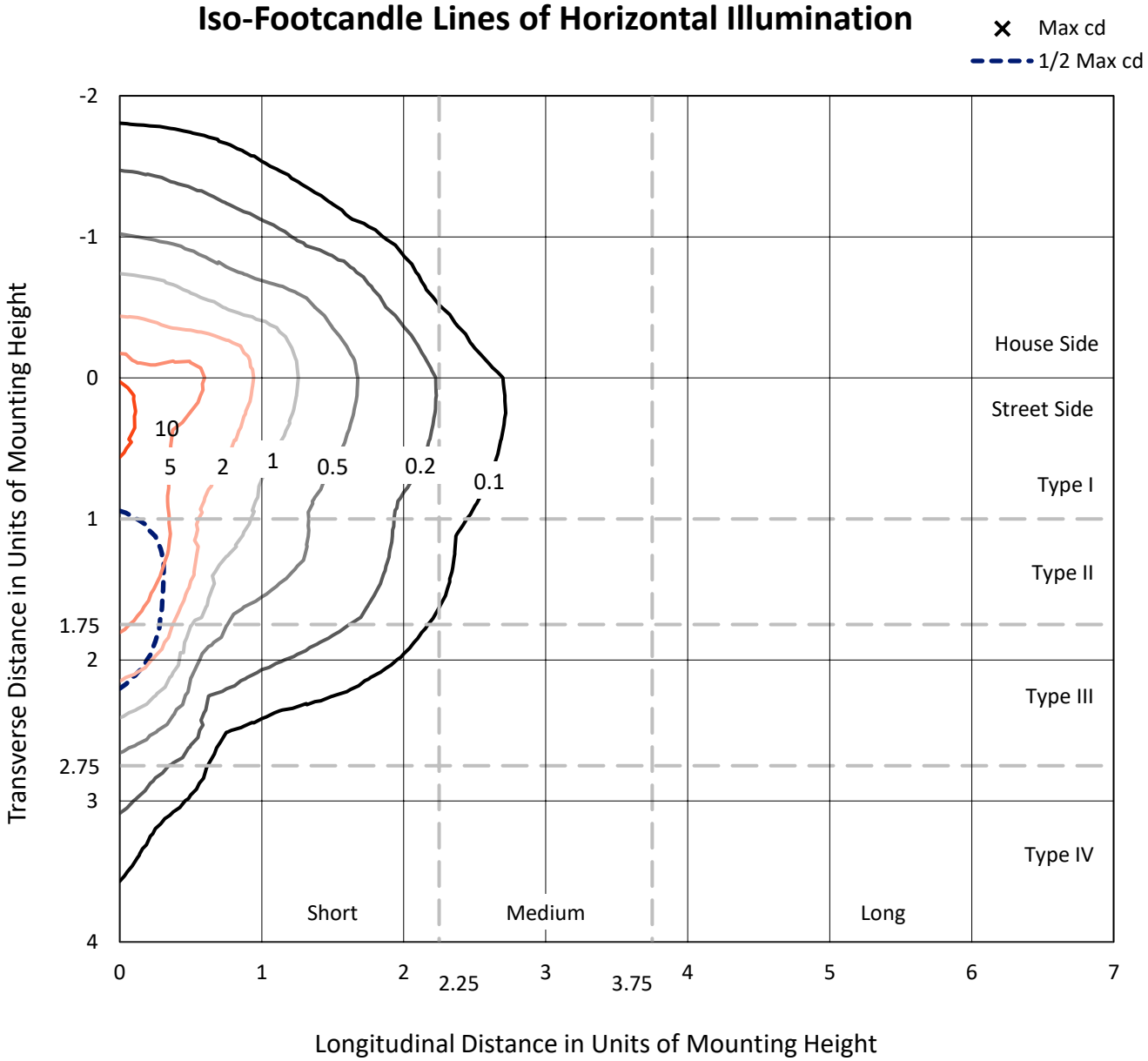
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



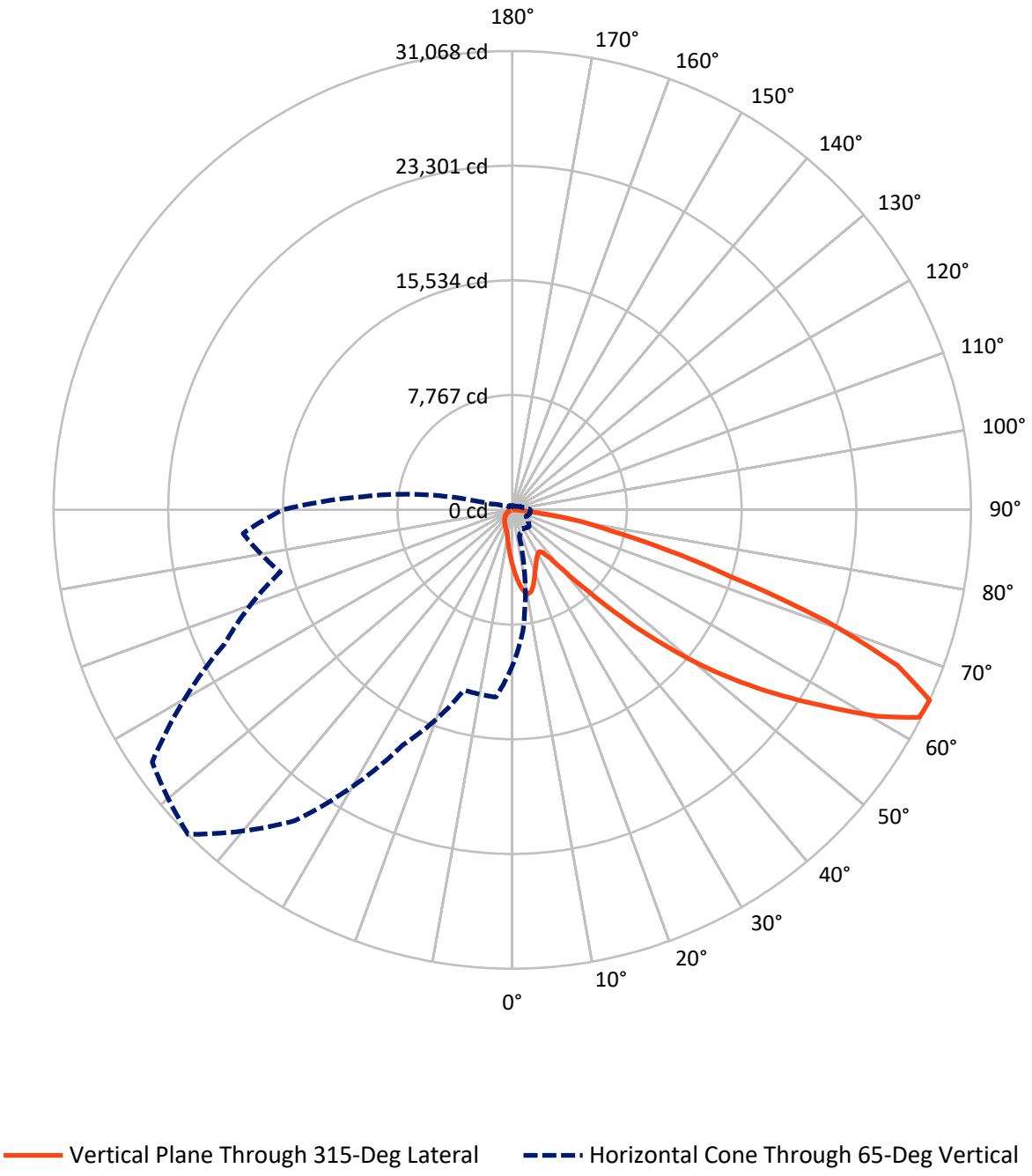
Based on 20 foot mounting height. Maximum calculated value = 12 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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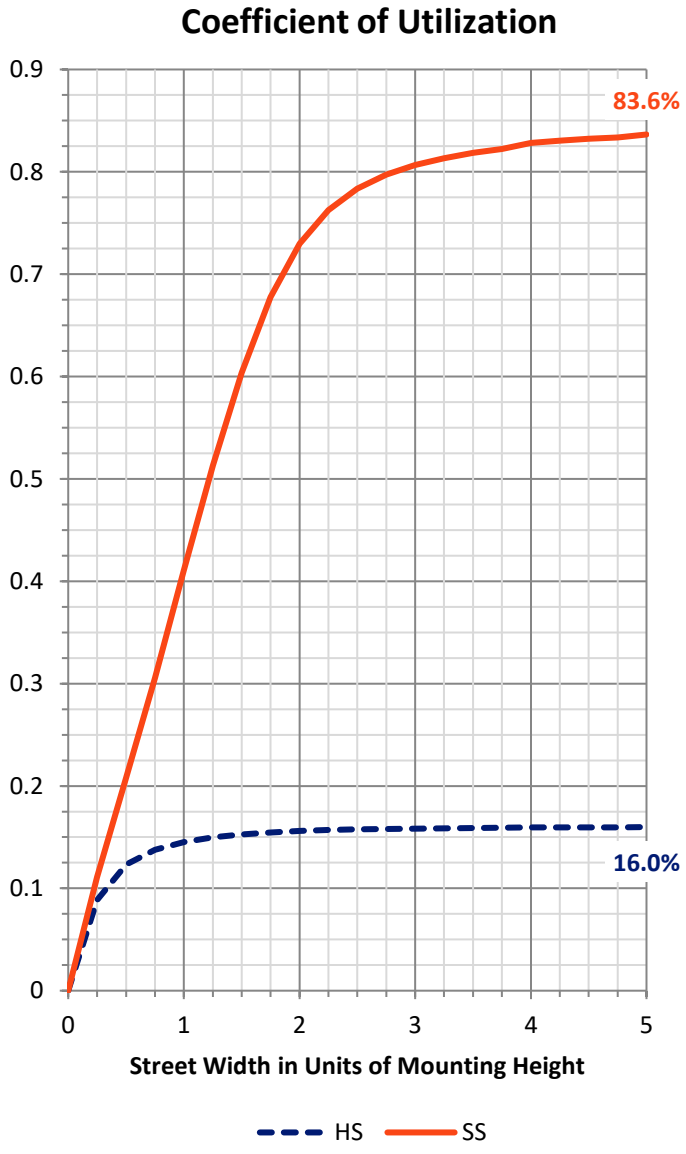
REPORT NUMBER: P1364589
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3534.0	0.0	3534.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	18327.6	0.0	18327.6
	% Fixture	83.8	0.0	83.8
Total	Lumens	21861.6	0.0	21861.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.2	1.7
10°-20°	1004.5	4.6
20°-30°	1438.8	6.6
30°-40°	1804.6	8.3
40°-50°	2964.4	13.6
50°-60°	5349.6	24.5
60°-70°	5936.9	27.2
70°-80°	2682.4	12.3
80°-90°	317.2	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°	21861.6	100.0
0°-180°	21861.6	100.0



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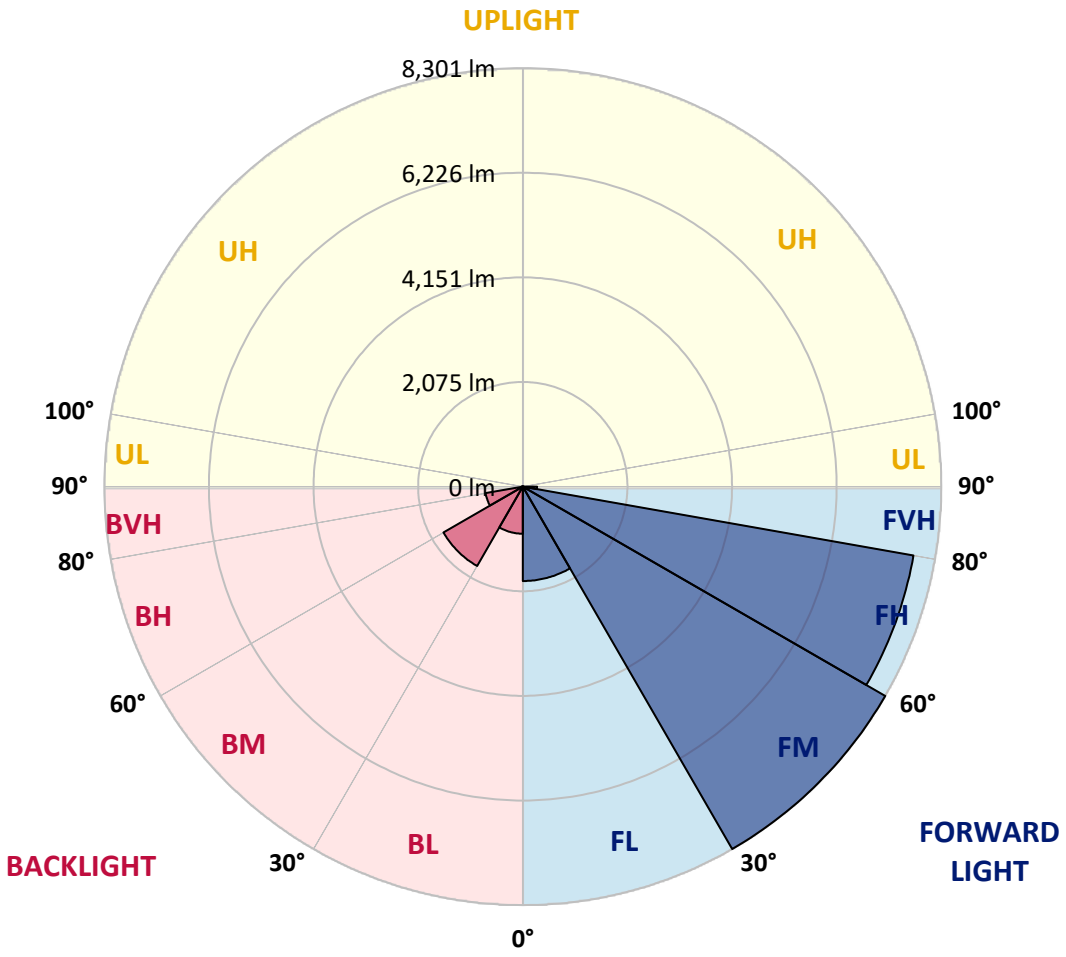
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1872.6	8.6			
FM	(30°-60°)	8301.5	38.0			
FH	(60°-80°)	7868.8	36.0			G4/12000
FVH	(80°-90°)	284.7	1.3			G3/500
BL	(0°-30°)	933.9	4.3	B2/1000		
BM	(30°-60°)	1817.2	8.3	B2/2500		
BH	(60°-80°)	750.5	3.4	B2/1000		G2/1000
BVH	(80°-90°)	32.4	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-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°	4262.8	4258.7	4242.6	4141.9	4041.2	3954.0	3866.7	3779.4	3658.6	3564.6	3484.1
5°	4665.5	4644.1	4558.1	4403.7	4235.9	4088.2	3920.4	3759.3	3578.0	3430.3	3275.9
7.5°	4940.8	4919.3	4833.4	4578.3	4323.2	4141.9	3960.7	3792.8	3591.5	3396.8	3175.3
10°	5068.3	5044.2	4947.5	4672.3	4376.9	4155.4	3974.1	3819.7	3651.9	3457.2	3182.0
12.5°	5155.6	5126.1	5007.9	4692.4	4390.3	4168.8	3980.8	3833.1	3712.3	3598.2	3329.7
15°	5209.3	5182.4	5075.0	4746.1	4397.0	4148.6	3927.1	3786.1	3745.9	3766.0	3638.4
17.5°	5289.8	5264.3	5162.3	4813.2	4437.3	4115.1	3813.0	3658.6	3745.9	3927.1	3967.4
20°	5397.3	5370.4	5263.0	4900.5	4470.9	4014.4	3598.2	3450.5	3672.0	3974.1	4182.2
22.5°	5518.1	5496.6	5410.7	5001.2	4504.4	3866.7	3316.2	3249.1	3517.6	3839.8	4108.4
25°	5665.8	5645.6	5565.1	5142.2	4538.0	3665.3	3074.6	3088.0	3316.2	3571.3	3846.6
27.5°	5867.2	5848.4	5773.2	5316.7	4578.3	3457.2	2879.9	2947.0	3114.8	3289.4	3457.2
30°	6088.7	6073.9	6014.9	5524.8	4658.8	3262.5	2765.8	2806.0	2920.2	3061.1	3161.8
32.5°	6390.8	6366.6	6269.9	5719.5	4652.1	3114.8	2712.1	2671.8	2705.3	2819.5	2920.2
35°	6766.7	6747.9	6672.7	5920.9	4531.3	2980.6	2685.2	2544.2	2524.1	2591.2	2691.9
37.5°	7317.2	7301.1	7236.6	6249.8	4343.3	2812.8	2618.1	2410.0	2342.8	2389.8	2457.0
40°	8142.9	8101.3	7934.8	6625.7	4135.2	2644.9	2497.2	2248.9	2154.9	2188.4	2262.3
42.5°	9264.0	9184.7	8867.9	7129.2	3853.3	2483.8	2316.0	2087.7	1987.1	2007.2	2074.3
45°	10700.5	10581.0	10103.1	7820.7	3557.9	2356.3	2128.0	1919.9	1812.5	1832.7	1906.5
47.5°	12378.8	12215.0	11559.8	8545.7	3242.4	2282.4	1980.3	1752.1	1671.5	1718.5	1792.4
50°	14359.1	14194.0	13533.4	9008.9	2987.3	2235.4	1866.2	1597.7	1564.1	1624.5	1685.0
52.5°	16520.7	16285.8	15345.9	8713.5	2779.2	2195.2	1825.9	1490.3	1503.7	1550.7	1611.1
55°	18621.9	18099.6	16010.5	7733.4	2510.7	2148.2	1852.8	1409.7	1443.3	1503.7	1550.7
57.5°	19991.3	19083.7	15453.3	6229.7	2228.7	2094.5	1872.9	1369.5	1396.3	1463.4	1517.1
60°	18796.4	17883.5	14231.6	4665.5	1987.1	1980.3	1839.4	1356.0	1315.7	1409.7	1456.7
62.5°	15399.6	14647.8	11640.4	2980.6	1758.8	1765.5	1765.5	1349.3	1181.5	1302.3	1342.6
65°	*10579.7*	*10109.8*	*8230.1*	*1846.1*	*1436.6*	*1503.7*	*1604.4*	*1309.0*	*1040.5*	*1181.5*	*1221.8*
67.5°	6954.7	6609.6	5229.4	1141.2	1107.6	1235.2	1389.6	1228.5	933.1	1060.7	1087.5
70°	3772.7	3510.9	2463.7	751.9	725.0	966.7	1094.2	1040.5	839.1	946.5	973.4
72.5°	2490.5	2275.7	1416.4	530.3	530.3	758.6	765.3	852.6	751.9	839.1	866.0
75°	1872.9	1680.9	913.0	369.2	409.5	483.3	597.5	610.9	631.0	711.6	745.1
77.5°	859.3	754.5	335.7	221.5	302.1	335.7	456.5	389.4	469.9	530.3	543.8
80°	496.8	435.0	188.0	147.7	194.7	214.8	375.9	228.2	281.9	375.9	396.1
82.5°	208.1	185.3	94.0	100.7	120.8	127.5	208.1	161.1	181.3	248.4	241.7
85°	60.4	60.4	60.4	67.1	73.8	73.8	120.8	114.1	107.4	114.1	114.1
87.5°	40.3	40.3	40.3	40.3	47.0	47.0	53.7	60.4	67.1	67.1	67.1
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°	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4	3779.4
2.5°	3450.5	3403.5	3343.1	3255.8	3242.4	3195.4	3161.8	3195.4	3229.0	3289.4	3296.1
5°	3195.4	3121.5	2980.6	2873.2	2752.3	2691.9	2685.2	2671.8	2712.1	2799.3	2853.0
7.5°	3054.4	2933.6	2678.5	2490.5	2322.7	2262.3	2215.3	2255.6	2248.9	2363.0	2410.0
10°	3020.9	2832.9	2477.1	2195.2	1987.1	1906.5	1859.5	1852.8	1866.2	1933.3	1980.3
12.5°	3141.7	2900.0	2396.5	1980.3	1738.7	1651.4	1597.7	1550.7	1550.7	1564.1	1624.5
15°	3410.2	3121.5	2443.5	1879.6	1617.8	1503.7	1416.4	1356.0	1309.0	1315.7	1322.5
17.5°	3786.1	3443.8	2564.4	1846.1	1544.0	1423.2	1315.7	1255.3	1201.6	1188.2	1188.2
20°	4081.5	3752.6	2658.4	1819.2	1483.6	1329.2	1235.2	1181.5	1134.5	1114.4	1114.4
22.5°	4115.1	3880.1	2738.9	1785.7	1409.7	1235.2	1147.9	1100.9	1067.4	1060.7	1060.7
25°	3893.5	3779.4	2712.1	1745.4	1335.9	1147.9	1080.8	1040.5	1007.0	1000.2	1007.0
27.5°	3524.3	3463.9	2618.1	1691.7	1275.5	1080.8	1020.4	986.8	953.2	946.5	953.2
30°	3195.4	3128.3	2457.0	1604.4	1228.5	1027.1	960.0	926.4	892.8	892.8	899.5
32.5°	2926.9	2859.7	2295.8	1503.7	1168.1	966.7	906.3	872.7	839.1	839.1	852.6
35°	2685.2	2631.5	2168.3	1403.0	1107.6	913.0	845.8	819.0	792.1	785.4	798.8
37.5°	2477.1	2450.2	2054.2	1295.6	1047.2	859.3	798.8	772.0	738.4	731.7	745.1
40°	2275.7	2262.3	1926.6	1201.6	973.4	805.6	745.1	718.3	678.0	678.0	691.4
42.5°	2087.7	2081.0	1812.5	1141.2	906.3	751.9	684.7	657.9	624.3	624.3	637.7
45°	1940.1	1933.3	1705.1	1107.6	839.1	691.4	631.0	597.5	570.6	577.3	590.7
47.5°	1805.8	1792.4	1591.0	1114.4	805.6	651.2	570.6	537.0	516.9	530.3	550.5
50°	1698.4	1685.0	1510.4	1121.1	751.9	597.5	523.6	490.0	476.6	496.8	516.9
52.5°	1631.3	1617.8	1429.9	1080.8	684.7	557.2	476.6	456.5	456.5	476.6	490.0
55°	1564.1	1550.7	1295.6	993.5	610.9	516.9	443.1	429.6	429.6	449.8	463.2
57.5°	1523.9	1497.0	1154.6	892.8	550.5	469.9	409.5	409.5	409.5	416.2	422.9
60°	1463.4	1396.3	1007.0	765.3	503.5	422.9	382.6	375.9	375.9	369.2	375.9
62.5°	1335.9	1221.8	845.8	651.2	449.8	382.6	349.1	342.4	322.2	302.1	308.8
65°	*1208.3*	*1033.8*	*671.3*	*543.8*	*389.4*	*328.9*	*308.8*	*302.1*	*268.5*	*241.7*	*248.4*
67.5°	1047.2	825.7	503.5	456.5	335.7	281.9	261.8	261.8	241.7	221.5	221.5
70°	933.1	644.4	422.9	342.4	268.5	221.5	221.5	235.0	214.8	188.0	188.0
72.5°	825.7	523.6	342.4	275.2	208.1	174.5	188.0	194.7	174.5	154.4	154.4
75°	704.9	409.5	268.5	214.8	154.4	134.3	141.0	154.4	141.0	120.8	127.5
77.5°	510.2	281.9	181.3	141.0	114.1	100.7	107.4	107.4	100.7	94.0	94.0
80°	355.8	188.0	120.8	94.0	80.6	73.8	73.8	67.1	67.1	73.8	73.8
82.5°	214.8	134.3	87.3	73.8	60.4	47.0	47.0	53.7	53.7	60.4	60.4
85°	94.0	80.6	60.4	53.7	40.3	33.6	40.3	40.3	47.0	53.7	53.7
87.5°	60.4	60.4	47.0	40.3	33.6	26.9	26.9	33.6	33.6	40.3	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

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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°	3322.9	3390.1	3470.6	3584.7	3685.4	3806.3	3927.1	4041.2	4148.6	4162.1	4209.1
5°	2893.3	3020.9	3182.0	3369.9	3598.2	3839.8	4074.8	4323.2	4524.6	4598.4	4705.8
7.5°	2450.2	2611.4	2846.3	3135.0	3457.2	3819.7	4182.2	4531.3	4833.4	4974.3	5115.3
10°	2027.3	2181.7	2470.4	2819.5	3235.7	3725.7	4209.1	4679.0	5048.2	5209.3	5343.6
12.5°	1644.7	1799.1	2034.0	2436.8	2940.3	3531.0	4168.8	4732.7	5142.2	5310.0	5437.5
15°	1342.6	1470.1	1691.7	2067.6	2597.9	3262.5	4027.8	4692.4	5162.3	5323.4	5417.4
17.5°	1181.5	1215.1	1356.0	1698.4	2275.7	3020.9	3846.6	4638.7	5175.7	5323.4	5377.1
20°	1114.4	1114.4	1141.2	1322.5	1886.4	2765.8	3712.3	4605.1	5195.9	5343.6	5336.8
22.5°	1053.9	1067.4	1067.4	1107.6	1436.6	2410.0	3571.3	4591.7	5256.3	5370.4	5276.4
25°	1000.2	1020.4	1020.4	1033.8	1127.8	1987.1	3396.8	4618.5	5363.7	5424.1	5236.1
27.5°	953.2	973.4	973.4	986.8	1007.0	1476.9	3108.1	4625.3	5484.5	5491.2	5182.4
30°	906.3	926.4	939.8	939.8	953.2	1087.5	2745.6	4585.0	5618.8	5578.5	5175.7
32.5°	852.6	879.4	886.1	899.5	906.3	946.5	2275.7	4517.9	5786.6	5699.3	5182.4
35°	805.6	839.1	845.8	845.8	859.3	899.5	1819.2	4444.0	6014.9	5860.5	5209.3
37.5°	758.6	785.4	792.1	798.8	812.3	852.6	1443.3	4336.6	6209.5	6061.8	5343.6
40°	704.9	738.4	745.1	751.9	765.3	805.6	1241.9	4202.3	6504.9	6397.5	5544.9
42.5°	651.2	684.7	698.2	704.9	711.6	765.3	1134.5	4108.4	6981.5	6867.4	5954.4
45°	604.2	637.7	651.2	651.2	664.6	738.4	1040.5	4316.5	7639.4	7585.7	6504.9
47.5°	563.9	597.5	604.2	604.2	610.9	698.2	960.0	4873.6	8646.4	8505.4	7364.2
50°	530.3	557.2	570.6	557.2	563.9	664.6	1007.0	5793.3	9935.3	9982.2	8626.2
52.5°	503.5	530.3	537.0	510.2	510.2	617.6	1067.4	6545.2	11579.9	12009.6	10626.7
55°	469.9	496.8	503.5	469.9	469.9	543.8	926.4	6592.2	13452.9	14835.7	13231.3
57.5°	436.3	463.2	463.2	436.3	429.6	469.9	751.9	5847.0	14902.9	18037.9	16795.9
60°	396.1	422.9	416.2	402.8	389.4	429.6	691.4	4457.4	14708.2	20125.6	20884.2
62.5°	322.2	362.5	375.9	369.2	342.4	389.4	644.4	2906.7	12727.9	18313.1	20756.6
65°	*268.5*	*302.1*	*322.2*	*322.2*	*302.1*	*429.6*	*563.9*	*1530.6*	*10190.3*	*15540.6*	*18299.7*
67.5°	235.0	268.5	281.9	275.2	261.8	382.6	355.8	738.4	7813.9	13392.4	16379.7
70°	208.1	235.0	248.4	228.2	214.8	308.8	255.1	436.3	5229.4	11177.2	14587.4
72.5°	167.8	194.7	208.1	188.0	167.8	228.2	194.7	288.7	3403.5	9525.8	12962.8
75°	134.3	161.1	167.8	154.4	134.3	167.8	154.4	201.4	2222.0	7881.1	11022.8
77.5°	100.7	114.1	127.5	120.8	100.7	120.8	107.4	141.0	1268.8	5531.5	7733.4
80°	80.6	87.3	87.3	87.3	80.6	73.8	73.8	94.0	570.6	2725.5	4034.5
82.5°	67.1	73.8	73.8	67.1	60.4	53.7	47.0	53.7	167.8	1221.8	1859.5
85°	60.4	67.1	53.7	47.0	40.3	33.6	20.1	20.1	47.0	194.7	362.5
87.5°	47.0	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	0.0

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

Scaled Data Report

REPORT NUMBER: P1364589
CATALOG NUMBER: GSS-SB4C-730-U-SLR-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°	4282.9	4350.0	4397.0	4437.3	4423.9	4390.3	4323.2	4276.2	4265.4	4262.8
5°	4846.8	4954.2	5048.2	5034.8	5048.2	4947.5	4846.8	4726.0	4677.6	4665.5
7.5°	5316.7	5451.0	5565.1	5551.7	5511.4	5397.3	5229.4	5048.2	4962.3	4940.8
10°	5571.8	5726.2	5820.2	5786.6	5719.5	5571.8	5404.0	5189.2	5092.5	5068.3
12.5°	5618.8	5719.5	5699.3	5685.9	5672.5	5598.6	5471.1	5276.4	5179.8	5155.6
15°	5498.0	5457.7	5343.6	5316.7	5417.4	5511.4	5484.5	5323.4	5232.1	5209.3
17.5°	5296.6	5088.5	4880.4	4853.5	5021.3	5283.1	5491.2	5397.3	5311.3	5289.8
20°	5075.0	4685.7	4457.4	4410.4	4618.5	5007.9	5417.4	5471.1	5412.0	5397.3
22.5°	4813.2	4356.7	4115.1	4088.2	4242.6	4699.1	5310.0	5551.7	5524.8	5518.1
25°	4585.0	4068.1	3839.8	3799.6	4001.0	4444.0	5202.6	5685.9	5669.8	5665.8
27.5°	4397.0	3860.0	3618.3	3591.5	3786.1	4229.2	5068.3	5800.0	5853.7	5867.2
30°	4249.3	3705.6	3463.9	3430.3	3645.2	4081.5	4974.3	5961.2	6063.2	6088.7
32.5°	4135.2	3618.3	3390.1	3369.9	3598.2	4021.1	4920.6	6129.0	6338.4	6390.8
35°	4094.9	3645.2	3490.8	3537.8	3712.3	4081.5	4960.9	6404.2	6694.2	6766.7
37.5°	4182.2	3940.5	4047.9	4168.8	4235.9	4370.2	5148.9	6847.3	7223.2	7317.2
40°	4464.1	4732.7	5236.1	5471.1	5444.2	5135.5	5578.5	7471.6	8008.6	8142.9
42.5°	5182.4	6055.1	7122.5	7518.6	7290.3	6357.2	6263.2	8498.7	9110.9	9264.0
45°	6249.8	7652.8	9404.9	10297.8	9512.3	7907.9	7344.0	9962.1	10552.8	10700.5
47.5°	7317.2	9438.5	12224.4	13285.0	11741.0	9445.2	8760.5	11714.2	12245.9	12378.8
50°	8404.7	11412.1	15037.1	16453.6	13963.1	11009.3	10264.2	13875.8	14262.5	14359.1
52.5°	9525.8	13177.6	18138.5	19360.3	16285.8	12217.7	11982.7	16232.1	16463.0	16520.7
55°	10774.4	14849.2	21246.7	22233.5	18400.4	13271.6	13996.6	18695.7	18636.7	18621.9
57.5°	12439.2	16608.0	23750.6	25126.8	20320.3	14694.8	16688.5	21434.6	20280.0	19991.3
60°	15345.9	19340.2	26865.5	28362.5	22891.4	16775.8	18668.9	21374.2	19312.0	18796.4
62.5°	18715.9	21971.7	29684.9	30947.0	25596.7	18843.4	17091.3	17950.6	15909.8	15399.6
65°	16258.9	21508.5	29772.2	31067.8	25697.4	17581.4	12633.9	12727.9	11009.3	10579.7
67.5°	13835.5	19064.9	27113.8	28134.2	22924.9	14533.7	8377.8	8304.0	7224.5	6954.7
70°	12318.4	16702.0	23368.0	22488.6	19273.0	12284.8	5565.1	4611.8	3940.5	3772.7
72.5°	11069.7	13251.5	18937.4	15500.3	15990.4	9995.7	3537.8	3141.7	2620.8	2490.5
75°	10022.5	10962.3	11814.9	10714.0	11358.4	8236.9	3000.7	2423.4	1983.0	1872.9
77.5°	7975.1	8532.2	6995.0	6793.6	7954.9	5860.5	1490.3	1020.4	891.5	859.3
80°	4746.1	4034.5	3967.4	4524.6	5296.6	3041.0	913.0	563.9	510.2	496.8
82.5°	2873.2	1456.7	1584.3	2000.5	2819.5	1382.9	543.8	241.7	214.8	208.1
85°	483.3	396.1	610.9	584.0	550.5	295.4	147.7	67.1	61.8	60.4
87.5°	13.4	20.1	26.9	33.6	33.6	33.6	33.6	33.6	38.9	40.3
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

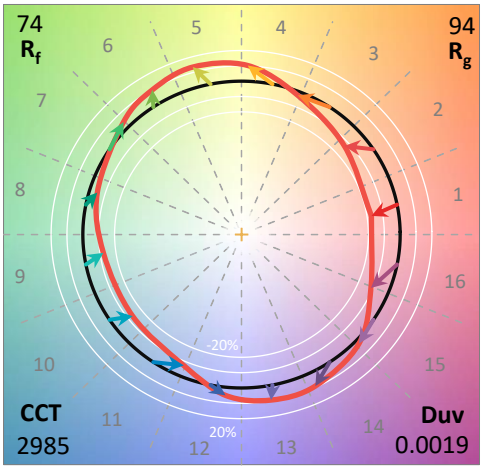
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

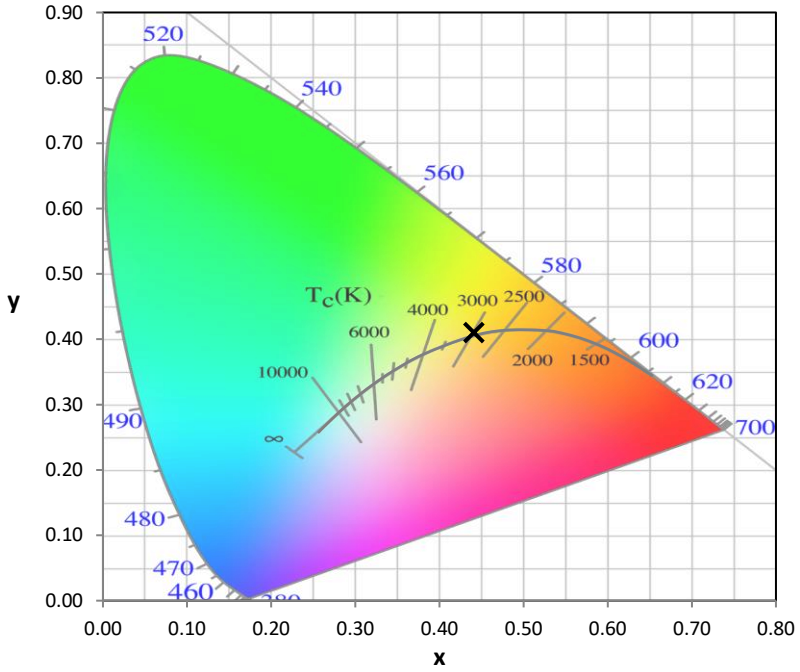
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

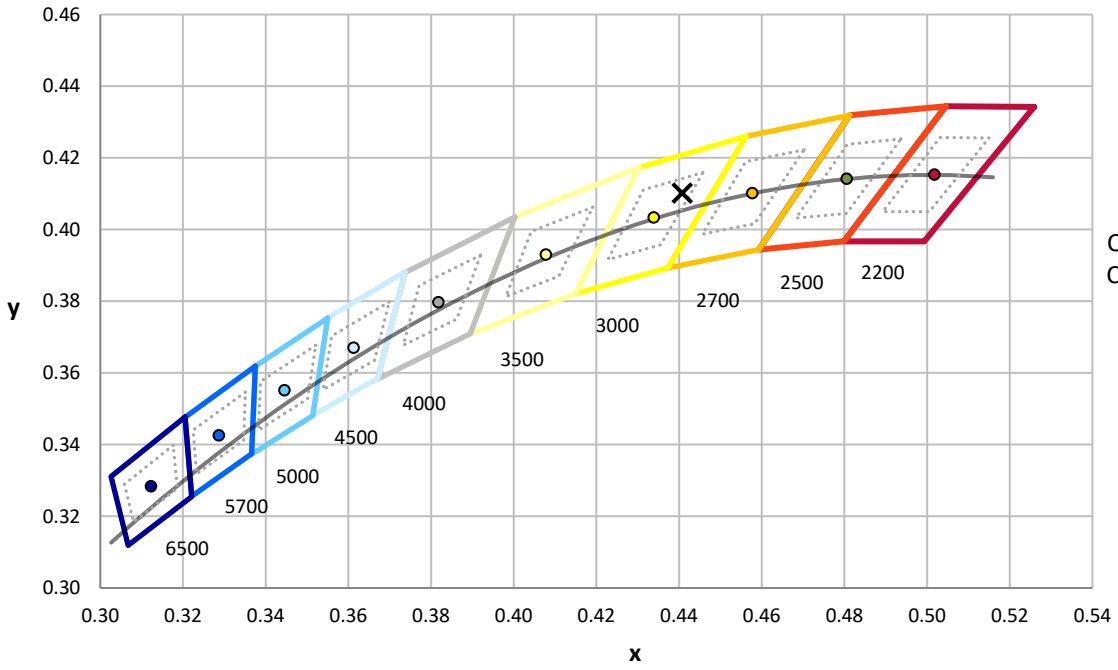
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

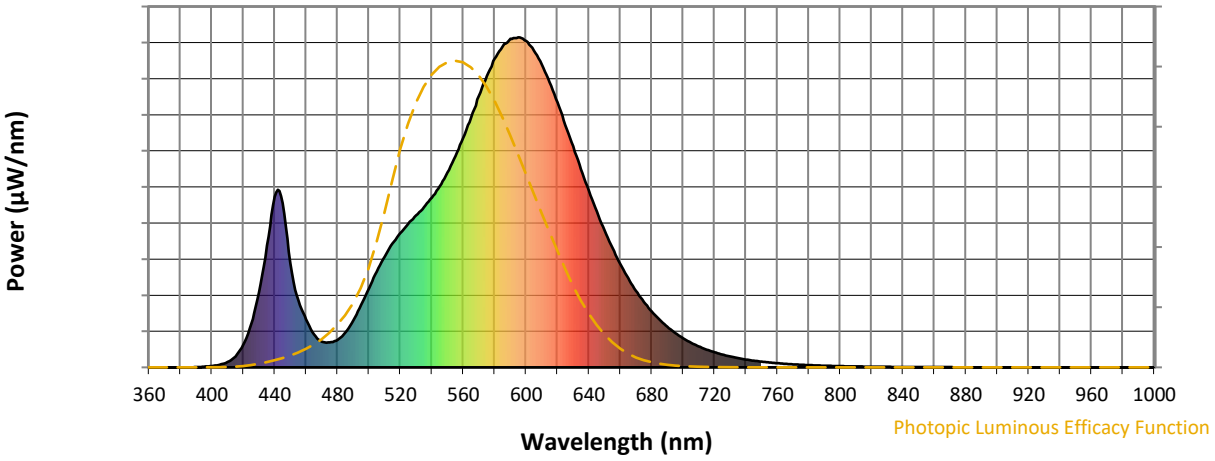


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

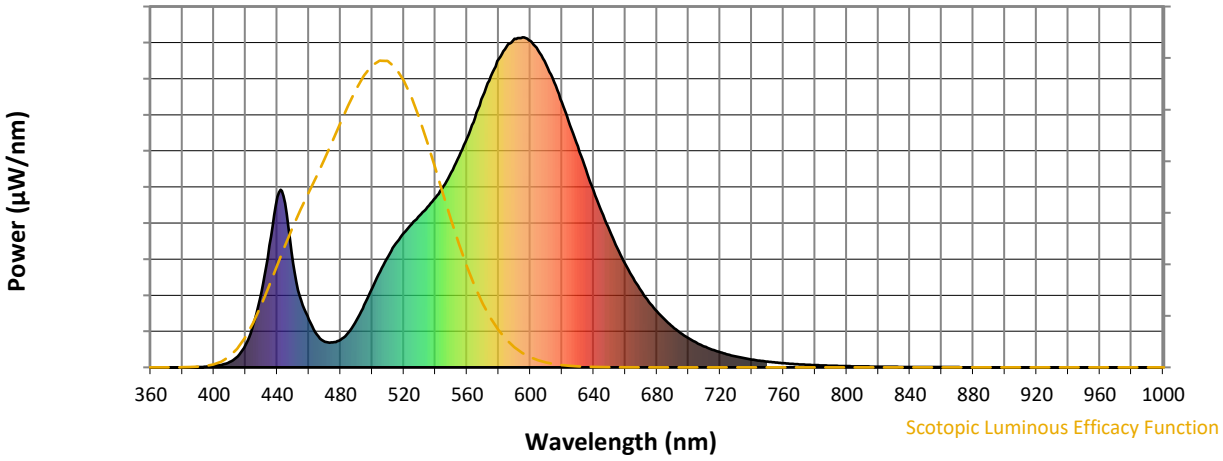


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

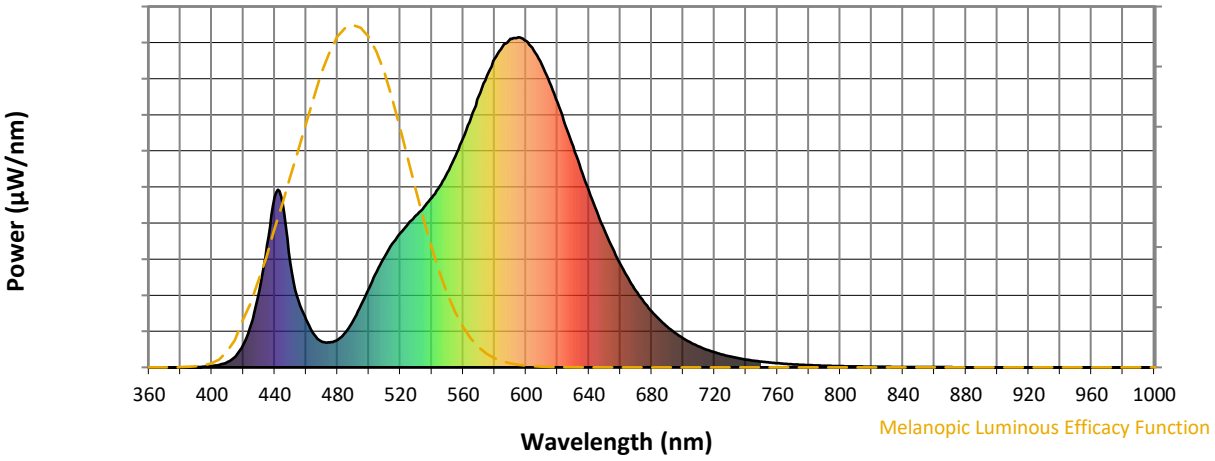


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

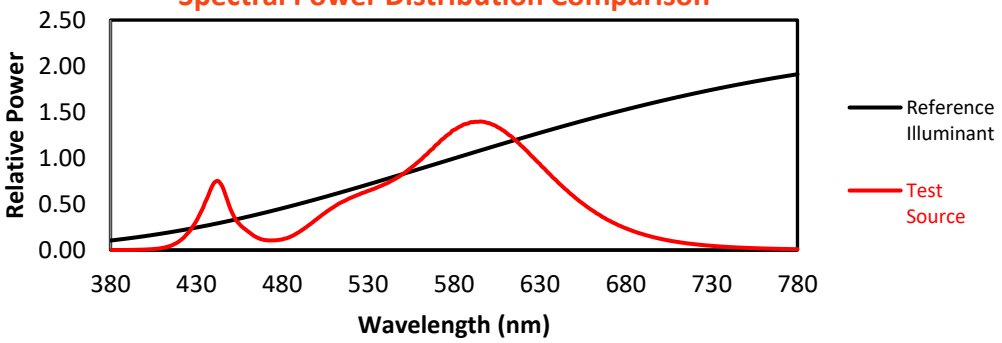
REPORT NUMBER: SP1-2407-184-4

TM-30-18

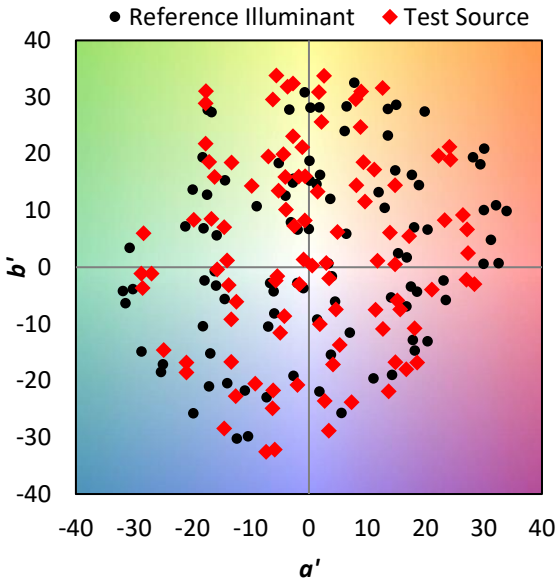
Summary

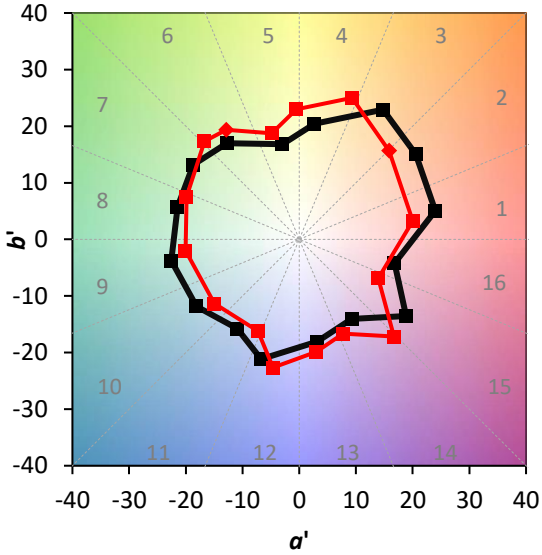
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

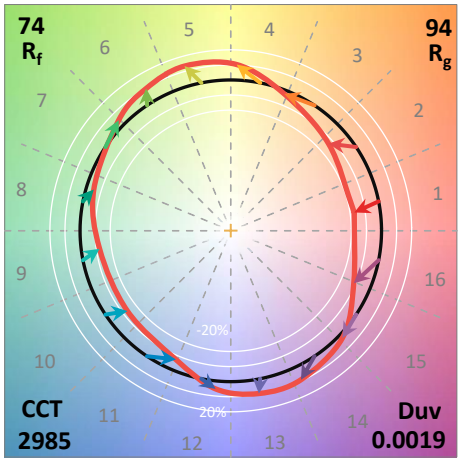
Spectral Power Distribution Comparison

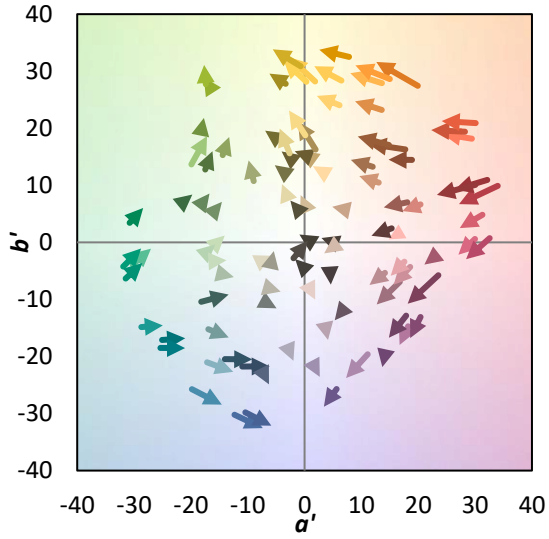


Color Vector Graphics







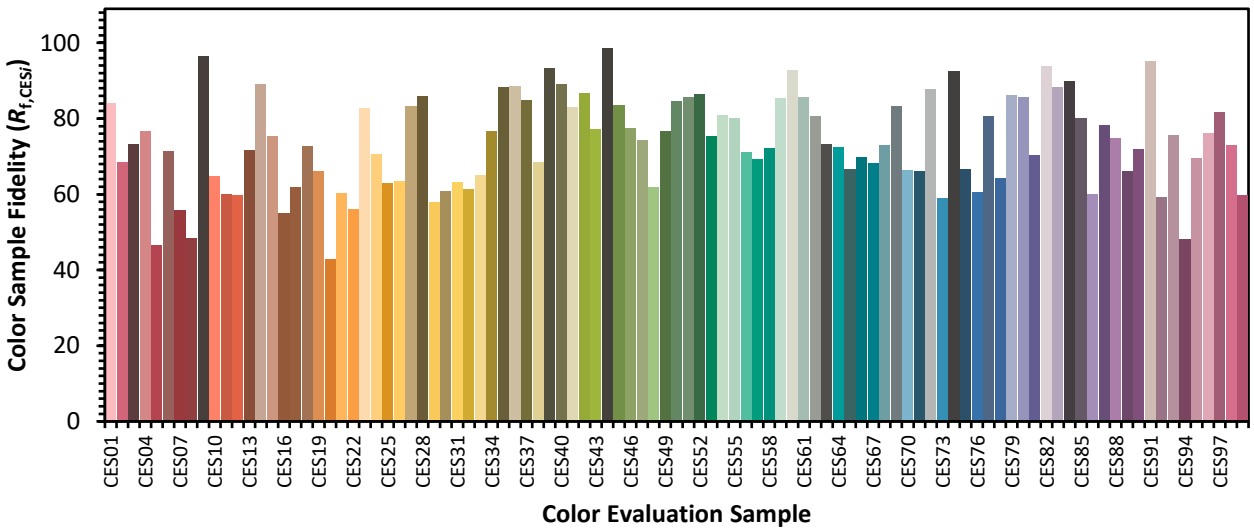


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Individual Sample Fidelity Index ($R_{f,i}$)

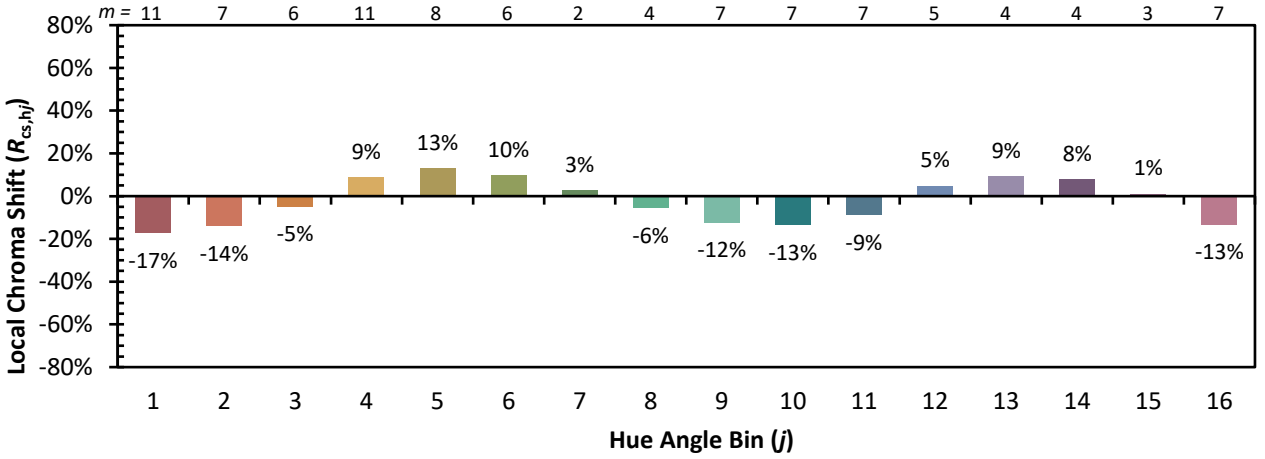
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

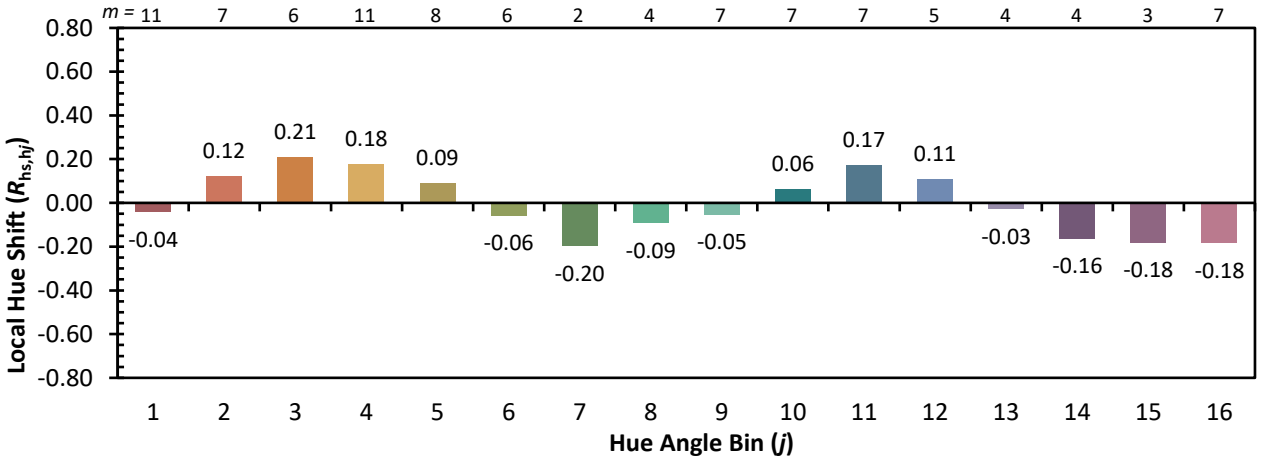


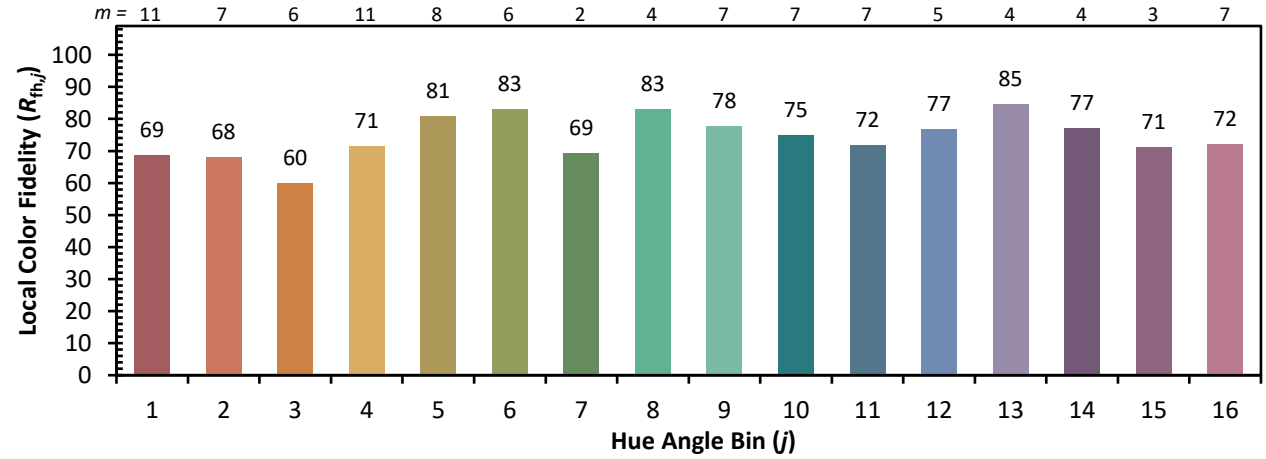
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Color Rendition by Hue-Angle Bin



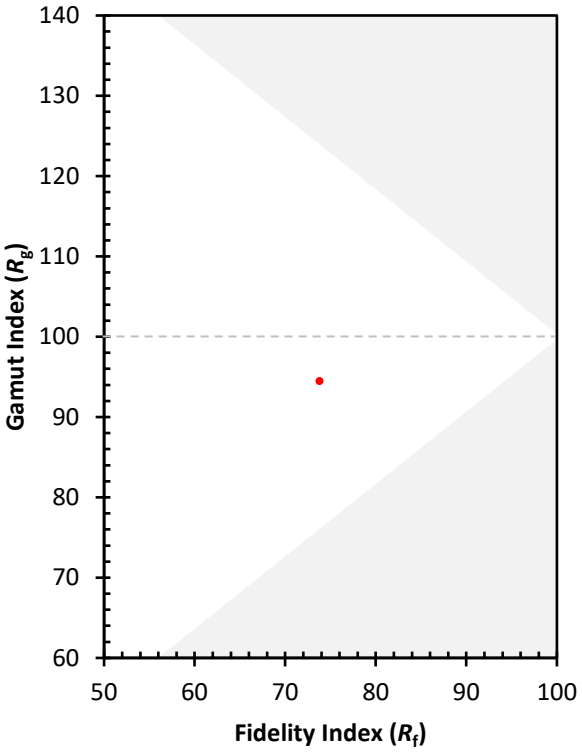


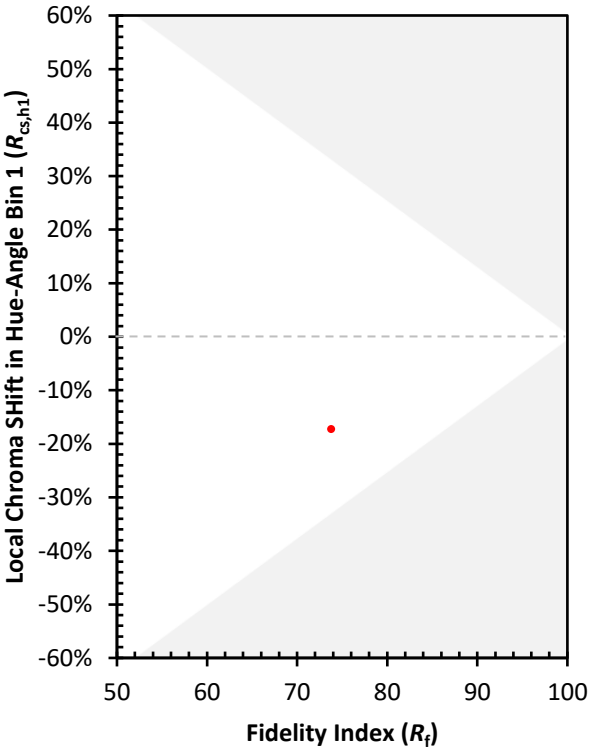


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Measure Comparisons





(END OF REPORT)