

Signify Classified - Internal
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: STREETWORKS

Report Number: P1065099

Luminaire Tested: **GLAN-SA1C-740-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065099
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5189.5 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 50.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

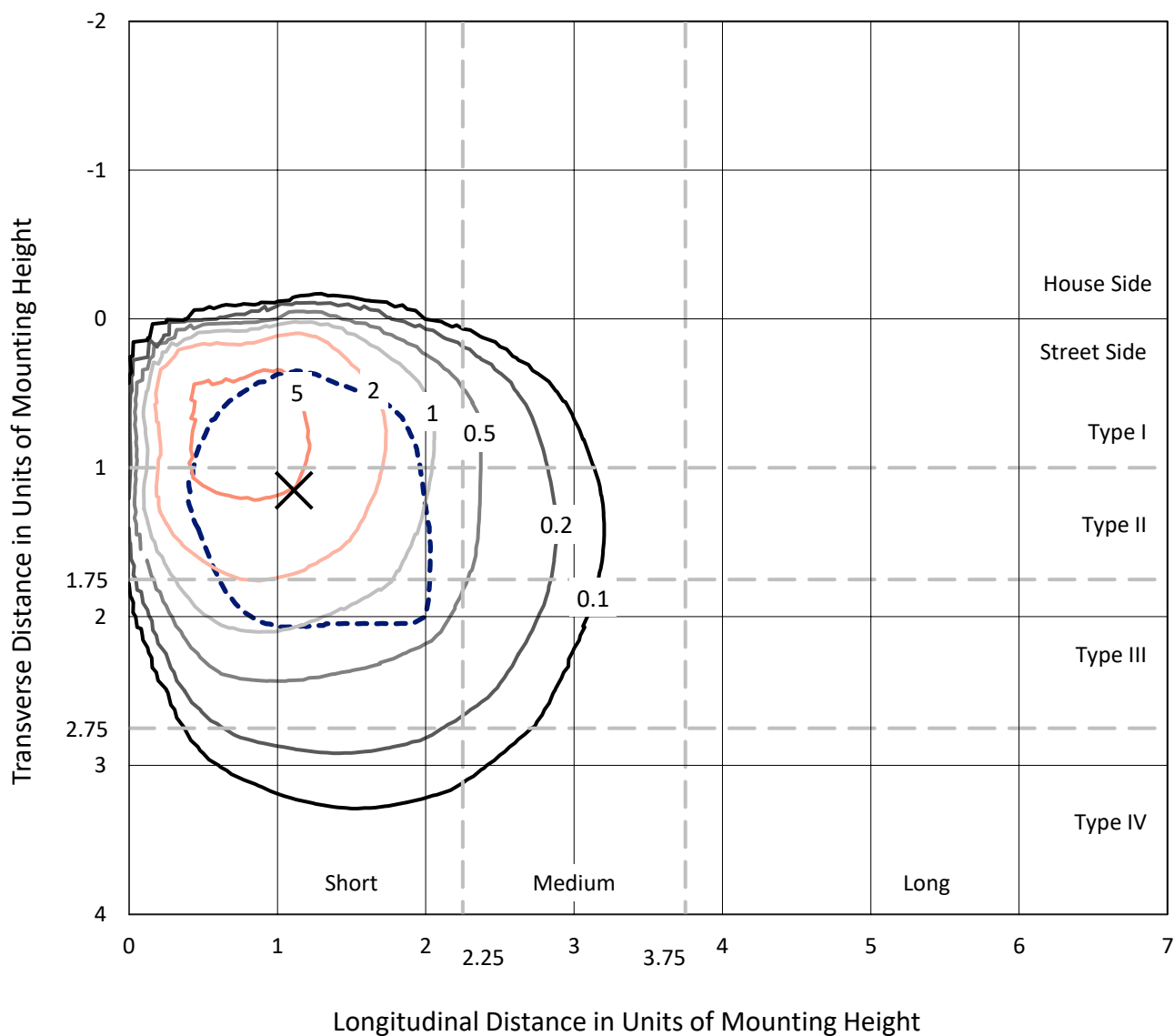
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

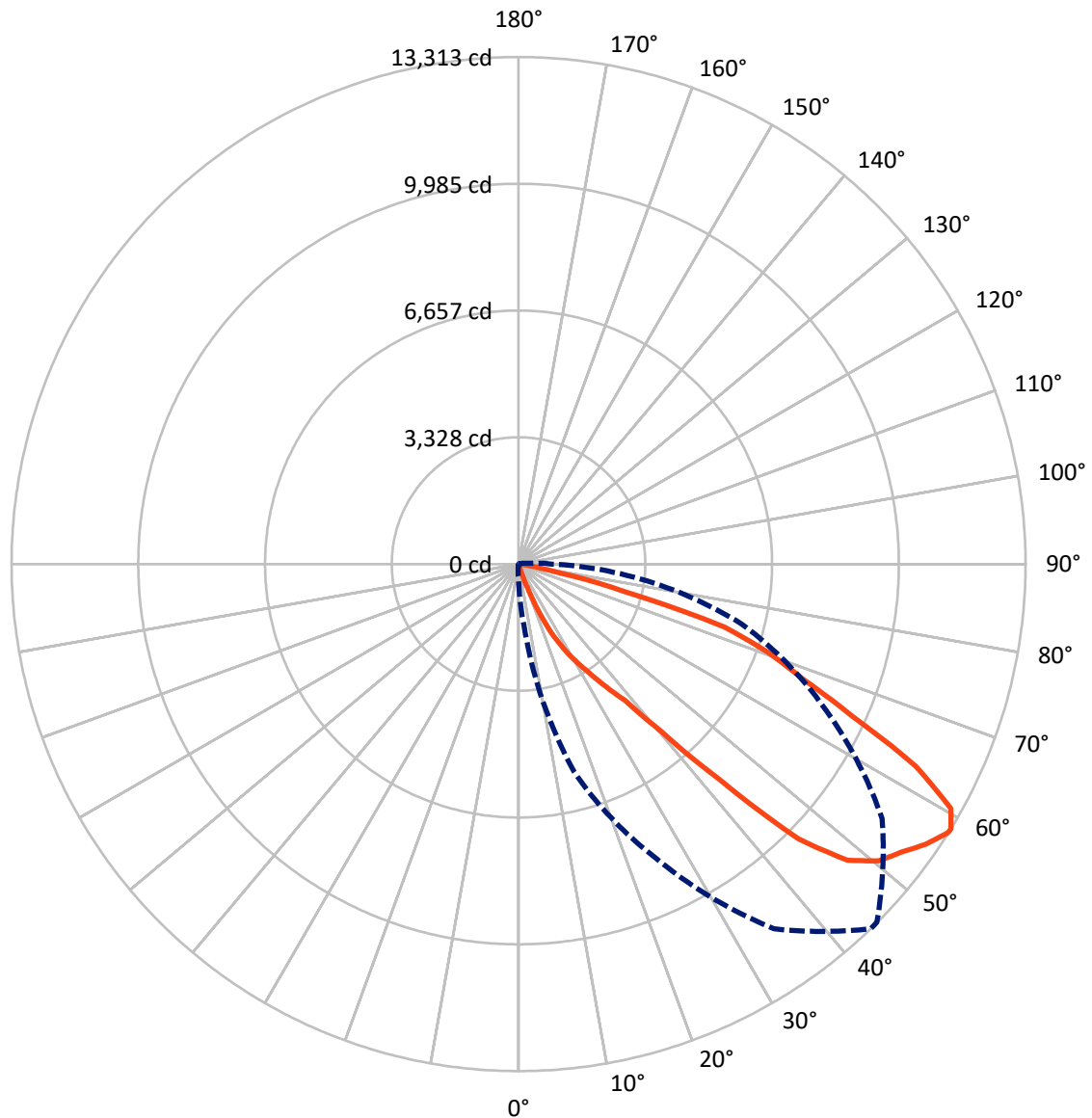


Based on 20 foot mounting height. Maximum calculated value = 9 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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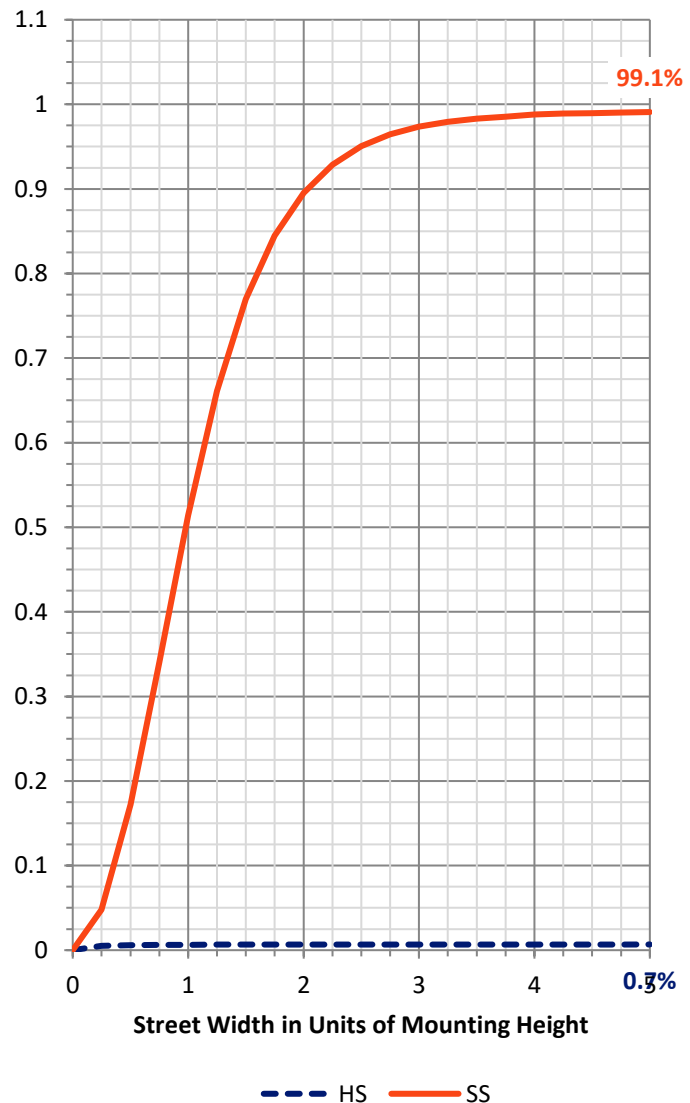
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35.4	0.0	35.4
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	5154.0	0.0	5154.0
	% Fixture	99.3	0.0	99.3
Total	Lumens	5189.5	0.0	5189.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	11.4	0.2
20°-30°	122.9	2.4
30°-40°	363.6	7.0
40°-50°	1083.6	20.9
50°-60°	1719.5	33.1
60°-70°	1434.2	27.6
70°-80°	442.3	8.5
80°-90°	9.8	0.2
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°	5189.5	100.0
0°-180°	5189.5	100.0



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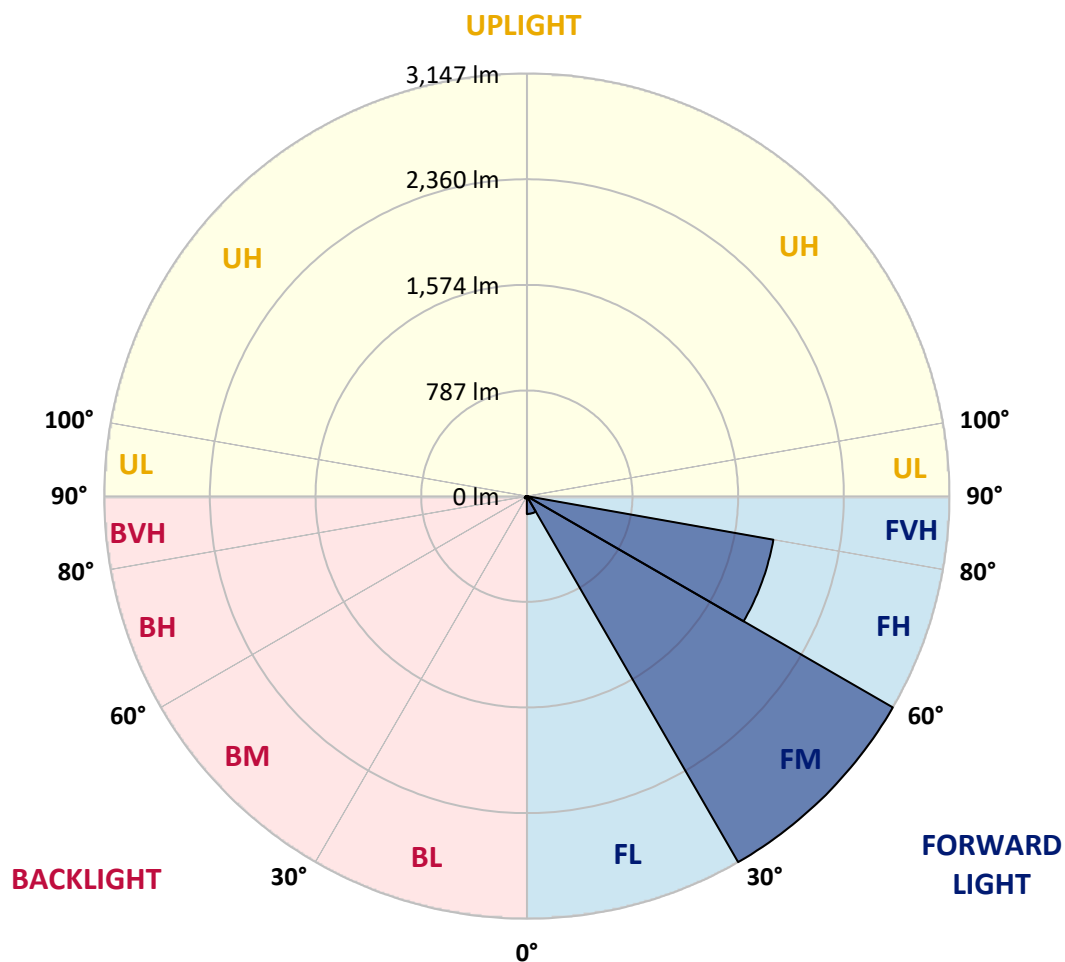
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.9	2.6			
FM	(30°-60°)	3147.3	60.6			
FH	(60°-80°)	1864.5	35.9			G2/5000
FVH	(80°-90°)	9.4	0.2			G0/10
BL	(0°-30°)	3.5	0.1	B0/110		
BM	(30°-60°)	19.4	0.4	B0/220		
BH	(60°-80°)	12.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
2.5°	29.4	29.4	28.2	26.7	25.1	23.5	23.1	22.3	22.0	21.6
5°	30.6	30.6	30.2	29.0	27.4	26.3	26.3	25.1	24.3	23.5
7.5°	31.4	31.8	32.5	32.1	31.4	30.2	30.2	29.4	28.2	26.3
10°	32.5	33.7	35.3	36.1	36.5	36.5	36.1	35.7	33.7	31.0
12.5°	33.7	36.1	40.0	43.9	46.3	49.4	49.0	48.2	43.1	37.2
15°	36.1	39.6	47.8	59.2	76.8	87.8	92.1	88.2	71.3	50.2
17.5°	38.8	44.7	69.4	123.9	203.1	240.7	263.4	245.0	162.3	95.3
20°	41.6	54.5	129.0	321.1	526.9	650.0	684.1	630.8	405.0	181.5
22.5°	46.3	76.4	261.5	663.7	1135.3	1319.9	1354.8	1184.3	764.8	358.3
25°	56.1	110.9	450.8	1081.6	1694.3	2006.0	1991.5	1768.0	1240.7	572.3
27.5°	70.2	161.5	681.7	1536.7	2229.8	2504.6	2537.5	2261.2	1653.9	841.7
30°	90.6	223.8	929.5	1901.3	2659.1	2956.2	2961.7	2675.9	2023.6	1078.1
32.5°	110.2	282.6	1146.3	2253.7	3082.1	3407.8	3432.1	3080.5	2299.6	1324.2
35°	125.1	321.1	1365.8	2563.4	3508.6	3957.4	3955.9	3538.4	2626.5	1544.2
37.5°	126.2	359.5	1564.5	2880.2	4048.8	4551.3	4601.1	4140.9	3021.7	1816.2
40°	123.5	402.6	1816.2	3374.1	5022.2	5793.3	5837.2	5257.0	3814.3	2281.9
42.5°	126.6	477.5	2224.7	4286.3	6638.5	7745.9	7830.6	7220.6	5271.5	3232.2
45°	143.1	618.2	3080.5	5812.5	8942.3	10292.5	10264.2	9385.7	6967.0	4678.7
47.5°	197.6	962.8	4349.1	7297.8	10414.8	11617.1	11641.4	10567.7	7956.4	5790.9
50°	303.8	1473.2	5415.0	8083.0	11047.9	12254.1	12231.4	10990.6	8332.4	6338.6
52.5°	395.2	1842.5	5949.7	8358.6	11129.0	12568.9	12567.4	11102.0	8390.8	6385.6
55°	417.9	1870.3	5954.0	8373.5	11310.9	12980.9	13032.7	11376.0	8466.4	6180.2
57.5°	408.9	1655.9	5705.4	8459.8	11634.7	13299.6	13302.4	11641.4	8658.5	6054.3
58°	401.0	1622.2	5655.3	8508.8	11690.4	13313.0	13306.3	11653.6	8814.9	6049.6
60°	357.1	1408.5	5459.7	8633.8	11607.7	13039.3	12977.0	11388.2	8791.8	6001.4
62.5°	280.7	1098.8	5267.2	8489.2	10720.9	11714.7	11740.6	10082.3	8014.8	5720.3
65°	223.5	818.9	4865.7	7446.4	8828.3	9620.2	9716.6	8198.7	6689.8	4843.8
67.5°	178.0	591.9	4081.7	5928.5	6985.8	8028.9	8099.1	6883.5	5182.9	3711.2
70°	144.7	400.3	2817.4	4335.7	5761.9	6934.8	6939.1	5718.4	3868.4	2431.7
72.5°	128.2	277.2	1635.5	3162.0	4672.1	5651.0	5536.9	4640.3	2973.1	1440.3
75°	110.9	183.9	802.1	1933.0	2832.7	2851.9	2895.5	2152.6	1486.1	684.9
77.5°	91.3	130.5	316.0	528.0	849.5	1087.5	1127.8	854.6	494.3	168.6
80°	62.7	61.9	85.1	161.9	243.1	304.6	284.2	219.9	129.4	64.7
82.5°	27.0	29.4	38.4	46.3	37.6	36.5	34.9	22.3	17.2	13.3
85°	8.6	7.8	8.2	8.2	6.7	5.1	5.1	2.4	0.0	0.0
87.5°	4.3	3.5	3.5	3.1	2.0	0.8	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
22.7	0°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
21.2	2.5°	20.8	20.8	20.0	19.2	18.8	18.0	17.6	17.2	16.9	16.5
22.7	5°	22.0	21.6	20.4	19.2	18.0	16.9	16.1	15.3	14.5	14.1
25.1	7.5°	23.9	23.1	20.8	18.8	17.2	15.7	14.9	13.7	12.9	11.8
27.8	10°	26.3	24.7	21.6	19.2	16.9	14.9	13.7	12.5	11.4	9.8
31.8	12.5°	29.4	26.7	22.7	18.8	16.1	13.7	12.5	11.0	9.8	8.6
36.8	15°	32.1	28.6	23.1	18.8	15.3	12.5	11.0	9.4	8.2	6.7
46.3	17.5°	36.1	30.2	22.7	17.6	14.1	11.0	9.4	8.2	6.3	3.9
68.6	20°	42.7	31.4	22.0	16.5	12.2	9.0	7.1	5.5	2.7	0.8
103.1	22.5°	53.3	34.5	21.2	14.9	10.6	7.1	4.7	2.0	0.0	0.0
156.8	25°	73.7	40.0	21.2	14.1	9.4	5.1	1.6	0.0	0.0	0.0
222.7	27.5°	98.0	47.4	21.2	12.2	7.4	2.7	0.0	0.0	0.0	0.0
303.4	30°	122.7	55.7	21.2	10.6	5.9	0.4	0.0	0.0	0.0	0.0
373.6	32.5°	146.2	62.7	21.6	9.0	3.9	0.0	0.0	0.0	0.0	0.0
470.8	35°	170.1	63.9	21.2	7.8	2.4	0.0	0.0	0.0	0.0	0.0
590.0	37.5°	200.7	61.5	20.0	7.1	1.2	0.0	0.0	0.0	0.0	0.0
776.2	40°	247.0	62.7	18.8	6.7	0.4	0.0	0.0	0.0	0.0	0.0
1108.2	42.5°	332.4	67.8	17.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0
1765.3	45°	574.7	90.9	15.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0
2650.0	47.5°	950.6	163.5	15.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0
3192.2	50°	1213.3	205.8	16.1	7.4	0.0	0.0	0.0	0.0	0.0	0.0
3260.0	52.5°	1211.3	229.3	16.9	7.8	1.6	0.0	0.0	0.0	0.0	0.0
3004.8	55°	1076.9	233.6	18.0	8.6	5.1	0.0	0.0	0.0	0.0	0.0
2582.2	57.5°	900.1	213.3	20.8	10.6	9.4	0.0	0.0	0.0	0.0	0.0
2516.0	58°	868.7	203.8	21.6	11.0	10.2	0.0	0.0	0.0	0.0	0.0
2182.4	60°	711.9	166.2	27.4	13.7	13.7	0.0	0.0	0.0	0.0	0.0
1789.2	62.5°	491.6	145.0	31.4	17.6	14.1	0.0	0.0	0.0	0.0	0.0
1319.1	65°	347.7	130.9	34.1	18.8	11.4	0.0	0.0	0.0	0.0	0.0
937.3	67.5°	259.9	120.7	37.6	19.2	5.9	0.0	0.0	0.0	0.0	0.0
588.0	70°	199.1	113.3	46.3	20.4	1.6	0.0	0.0	0.0	0.0	0.0
350.5	72.5°	162.3	104.7	56.1	21.2	0.0	0.0	0.0	0.0	0.0	0.0
210.1	75°	134.5	94.5	54.1	23.1	0.0	0.0	0.0	0.0	0.0	0.0
112.1	77.5°	89.4	73.3	49.4	23.1	0.0	0.0	0.0	0.0	0.0	0.0
40.0	80°	31.4	29.0	38.4	20.4	0.0	0.0	0.0	0.0	0.0	0.0
8.2	82.5°	4.7	3.9	5.5	7.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
22.7	0°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
16.1	2.5°	16.1	16.1	15.7	16.1	16.1	16.9	18.8	21.6	24.7	25.9
13.7	5°	13.3	12.9	12.5	12.5	12.5	13.7	15.3	18.4	22.0	23.5
11.4	7.5°	11.0	10.6	10.2	9.8	9.8	10.6	12.5	16.1	19.6	21.2
9.4	10°	9.0	8.2	7.8	7.4	7.4	8.2	10.2	13.7	17.6	19.2
7.8	12.5°	7.4	6.3	5.5	5.1	4.7	5.9	7.8	11.0	15.3	17.2
5.9	15°	5.1	3.9	2.7	2.4	2.0	3.1	5.1	8.6	12.9	15.3
3.1	17.5°	2.7	1.2	0.4	0.0	0.0	0.8	2.4	6.3	10.6	12.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	7.8	9.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.7	6.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1
0.0	90°	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):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
22.7	0°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
27.0	2.5°	27.8	27.4	26.7	25.9	25.9	25.9	27.0	28.2	29.4	29.4
24.3	5°	25.9	25.9	25.5	24.7	24.7	25.1	26.7	28.6	30.2	30.6
22.3	7.5°	23.9	24.7	23.9	23.5	23.9	24.3	25.9	28.2	30.6	31.4
20.8	10°	22.7	23.1	23.1	22.7	22.7	23.5	25.1	28.2	31.4	32.5
18.8	12.5°	21.2	22.0	21.6	21.6	21.6	22.3	24.3	27.8	32.1	33.7
16.9	15°	19.6	20.8	20.8	20.4	20.4	20.8	23.5	27.4	33.3	36.1
14.5	17.5°	18.0	19.2	19.6	18.8	18.8	19.6	22.3	27.4	34.1	38.8
11.8	20°	14.9	16.9	18.0	16.9	16.9	17.6	20.4	25.9	34.5	41.6
8.6	22.5°	11.8	13.7	15.3	14.9	14.9	15.3	18.8	24.7	34.9	46.3
5.1	25°	8.6	10.6	11.8	12.5	12.5	13.7	17.2	23.9	36.5	56.1
2.4	27.5°	5.1	7.4	9.0	9.8	10.2	11.8	16.1	23.1	39.2	70.2
0.0	30°	2.4	4.3	6.3	7.8	7.8	10.6	14.9	22.3	42.7	90.6
0.0	32.5°	0.0	2.0	3.1	5.5	5.9	8.6	13.7	21.6	47.8	110.2
0.0	35°	0.0	0.0	1.6	4.3	4.3	7.1	12.5	20.8	55.7	125.1
0.0	37.5°	0.0	0.0	0.0	3.1	3.5	6.3	12.2	20.4	57.2	126.2
0.0	40°	0.0	0.0	0.0	2.4	2.7	5.9	12.2	20.8	51.7	123.5
0.0	42.5°	0.0	0.0	0.0	1.6	2.0	5.9	12.2	21.6	46.7	126.6
0.0	45°	0.0	0.0	0.0	1.2	1.6	6.3	11.8	21.2	43.9	143.1
0.0	47.5°	0.0	0.0	0.0	1.6	2.4	6.3	11.4	20.8	44.3	197.6
0.0	50°	0.0	0.0	0.0	2.0	2.7	6.3	11.8	20.0	48.6	303.8
0.0	52.5°	0.0	0.0	0.0	1.6	2.4	7.1	12.9	19.6	52.9	395.2
0.0	55°	0.0	0.0	0.0	0.4	1.2	9.0	14.1	19.6	59.6	417.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	10.2	16.1	20.8	70.6	408.9
0.0	58°	0.0	0.0	0.0	0.0	0.0	10.2	16.5	20.8	71.3	401.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	10.2	18.0	23.1	76.8	357.1
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	8.6	21.6	29.0	80.0	280.7
0.0	65°	0.0	0.0	0.0	0.0	0.0	7.1	25.5	31.8	82.3	223.5
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	6.7	26.3	32.1	83.5	178.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	7.1	25.9	34.5	87.4	144.7
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	7.8	23.5	38.0	87.4	128.2
0.0	75°	0.0	0.0	0.0	0.0	0.0	8.2	22.0	42.7	79.6	110.9
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	7.8	21.6	49.8	71.0	91.3
0.0	80°	0.8	1.2	1.2	0.8	0.8	6.7	21.2	50.6	60.4	62.7
0.4	82.5°	2.4	3.1	2.7	2.0	2.0	5.9	18.8	42.3	31.4	27.0
2.4	85°	4.3	5.1	5.1	4.3	4.3	5.5	11.8	15.3	10.6	8.6
4.3	87.5°	5.9	6.7	6.7	5.9	5.9	5.5	5.1	4.7	4.3	4.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

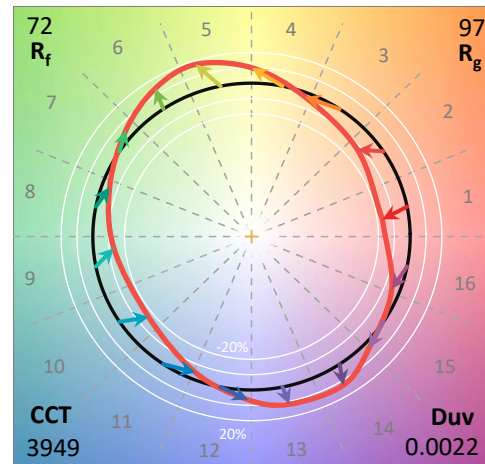
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

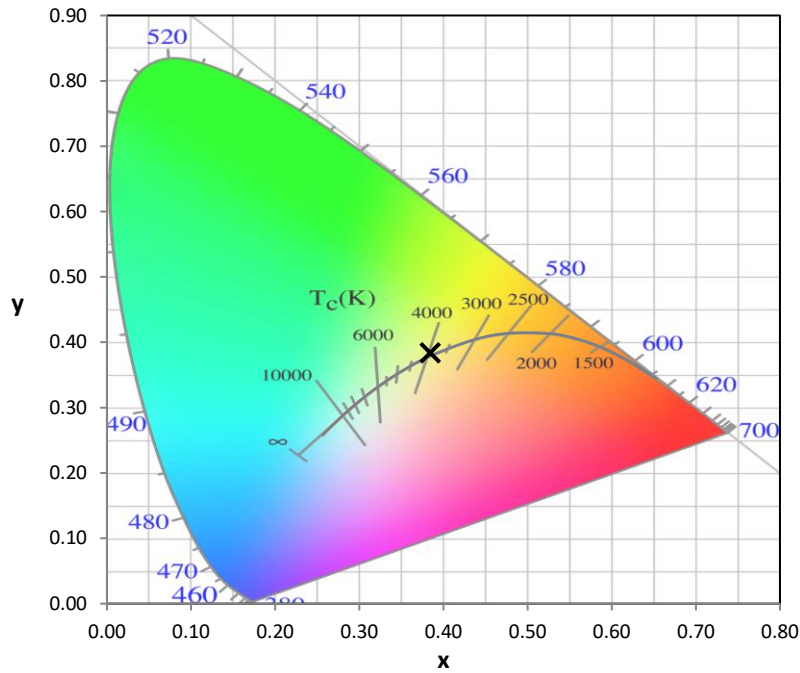
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

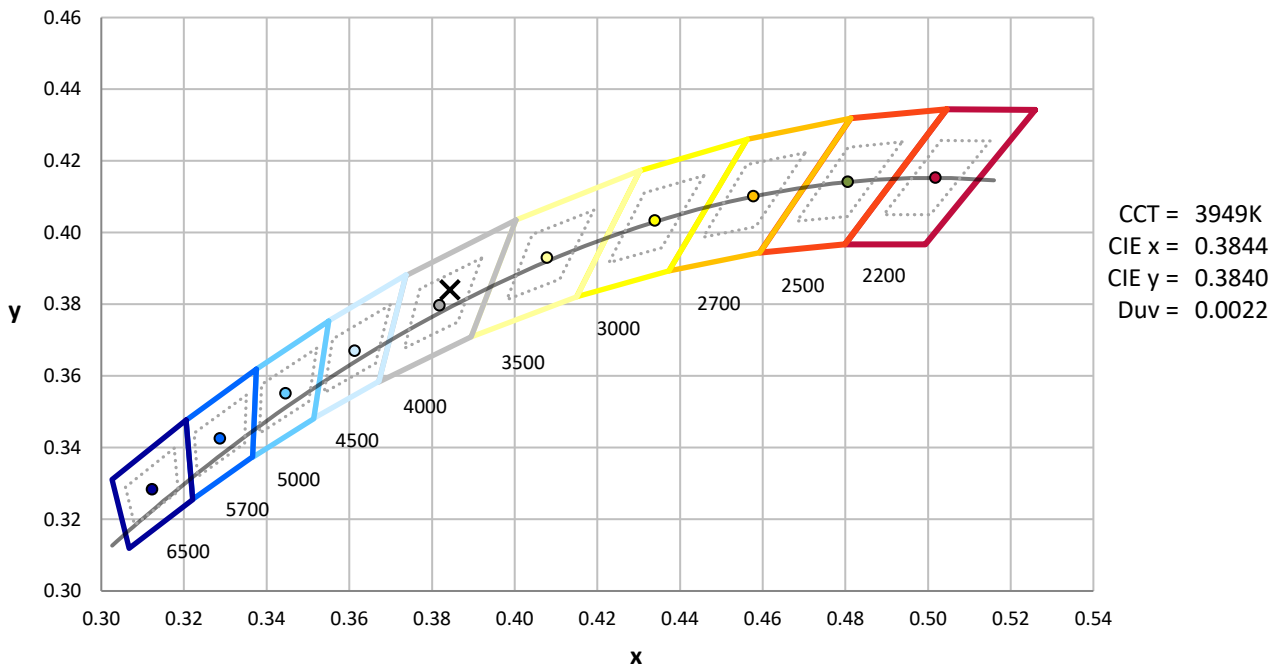
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



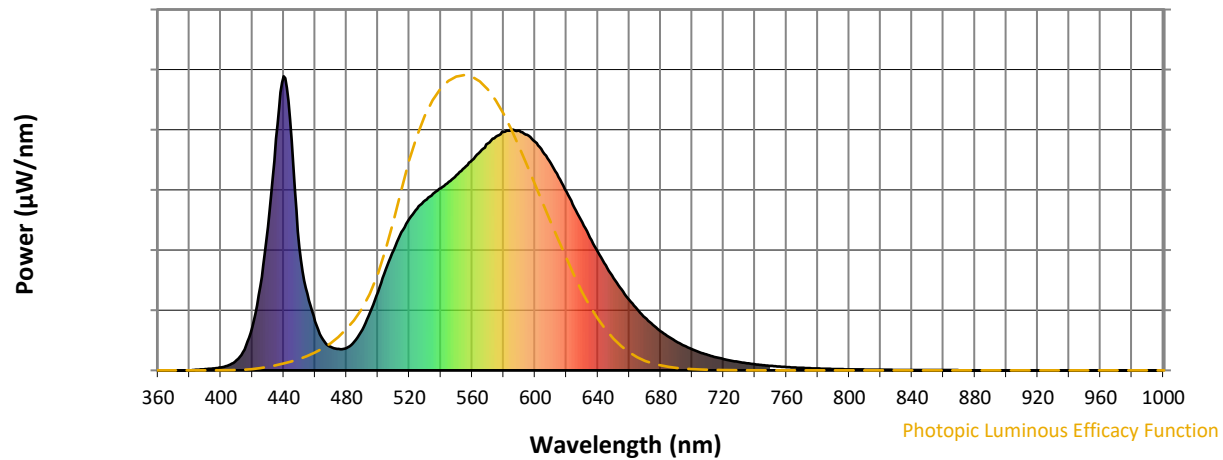
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

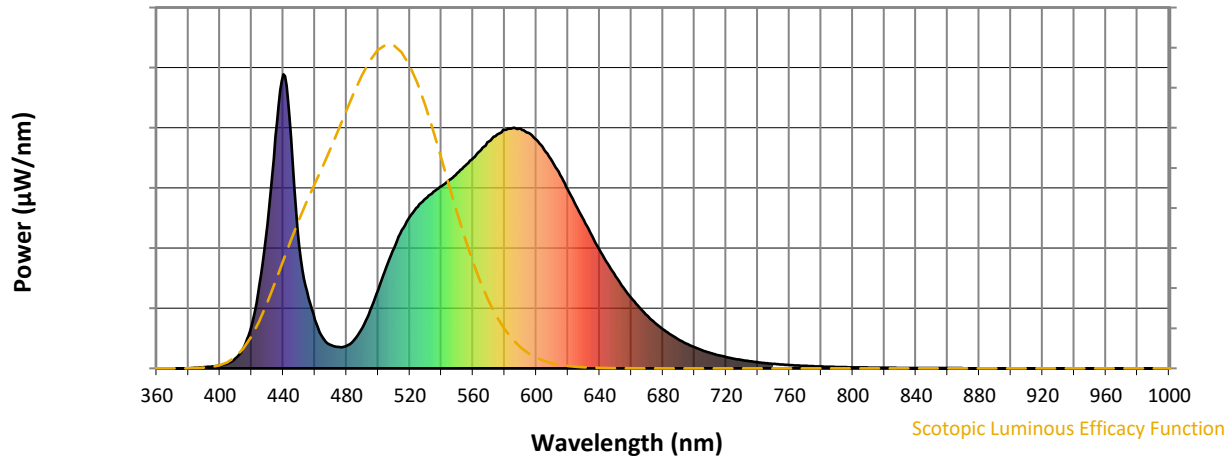


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



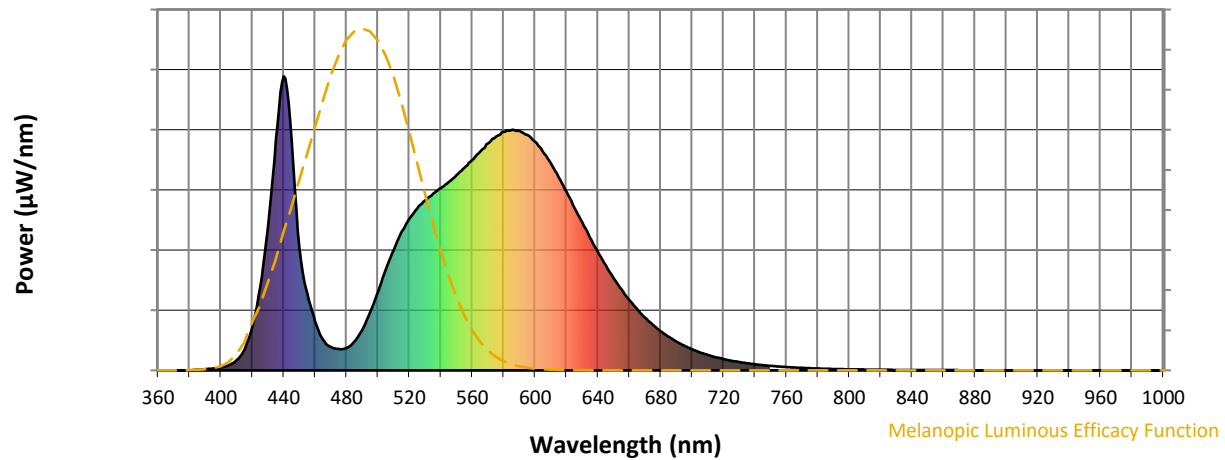
Scotopic Lumens: NR

S/P: 1.47

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.78

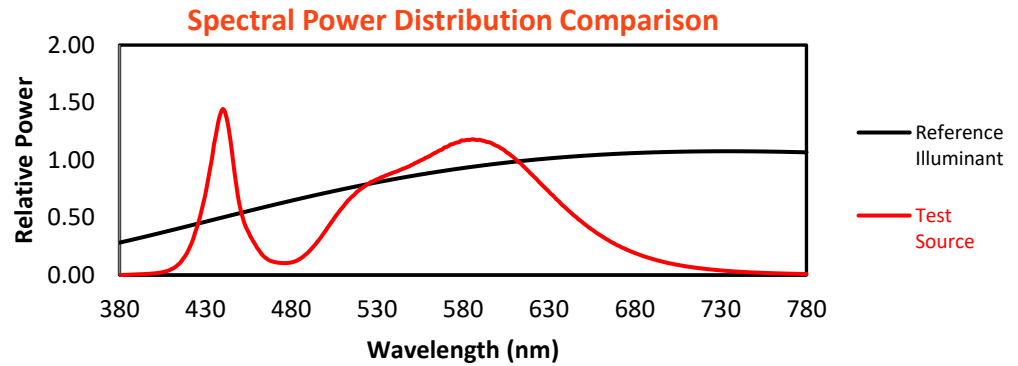
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

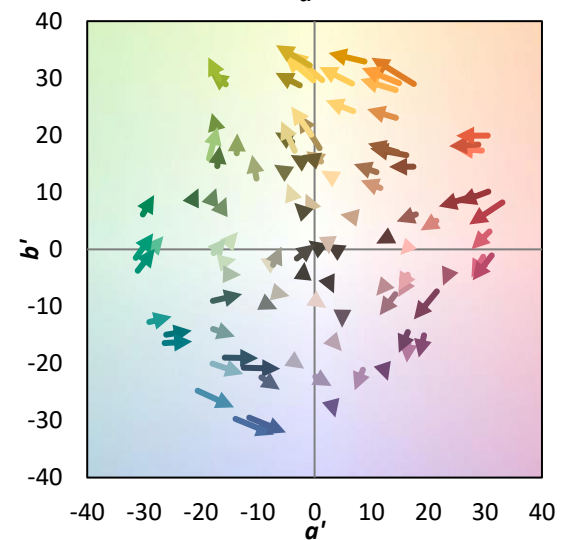
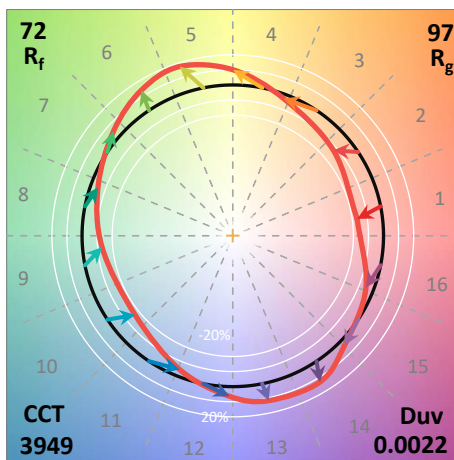
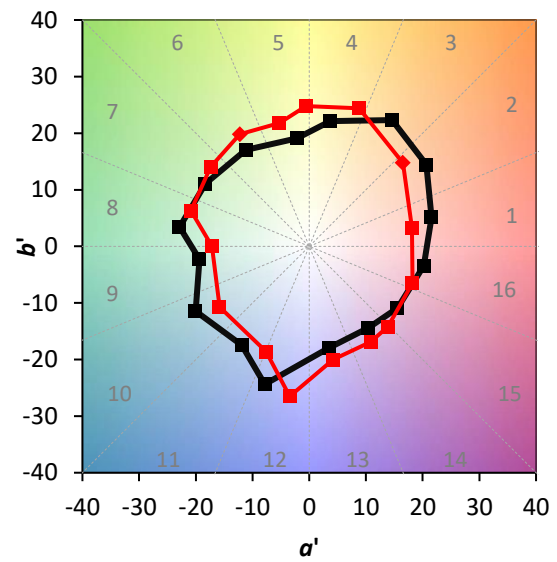
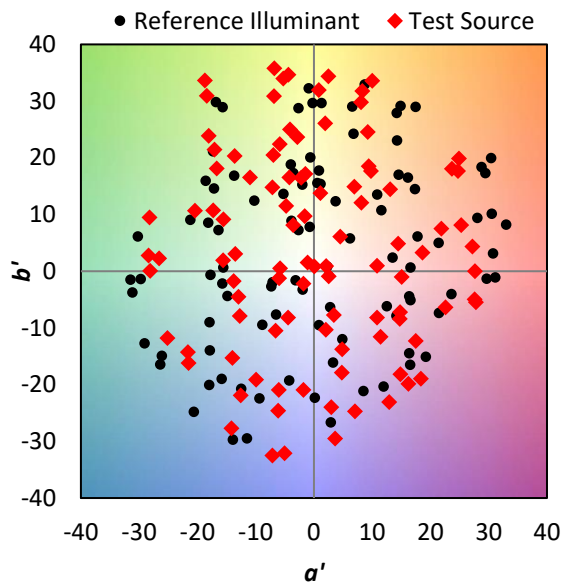
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

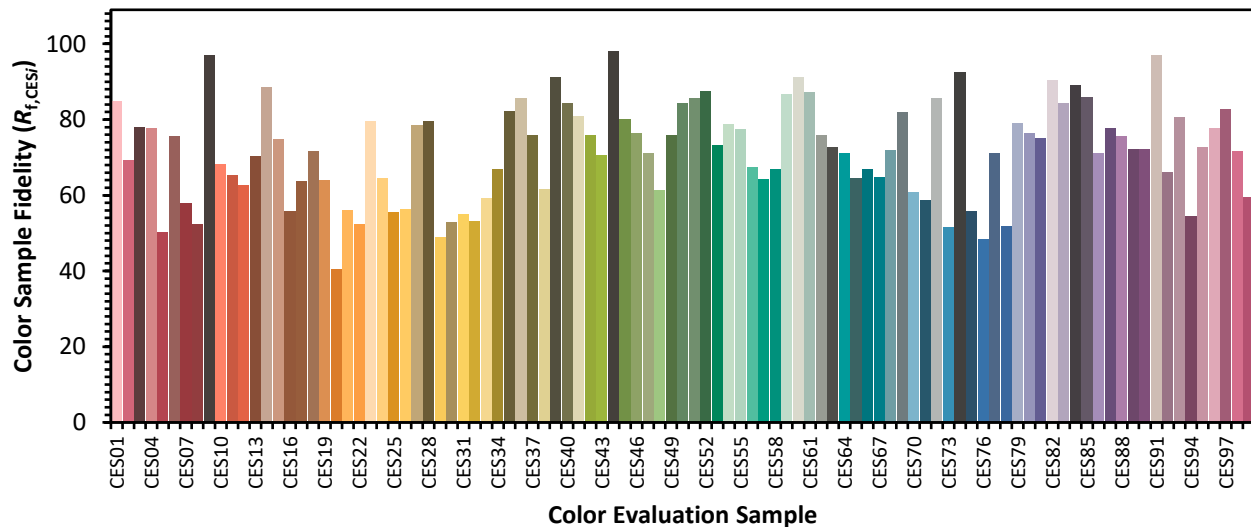


Color Vector Graphics

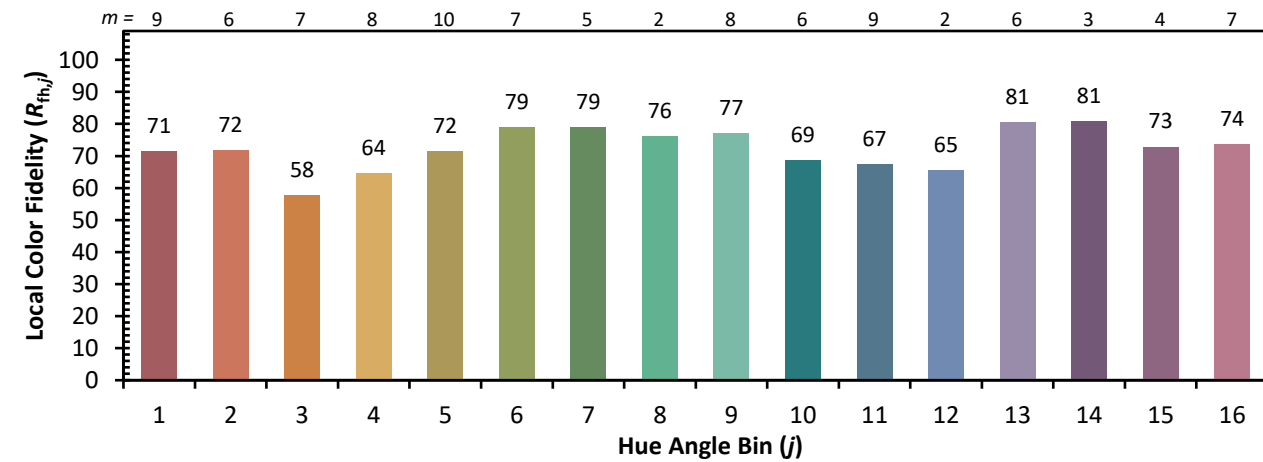
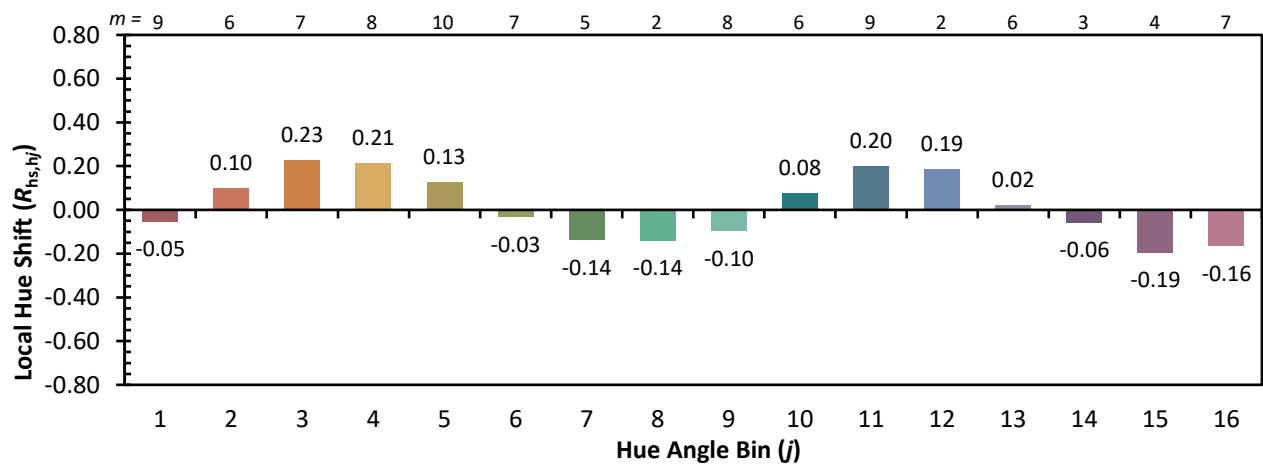
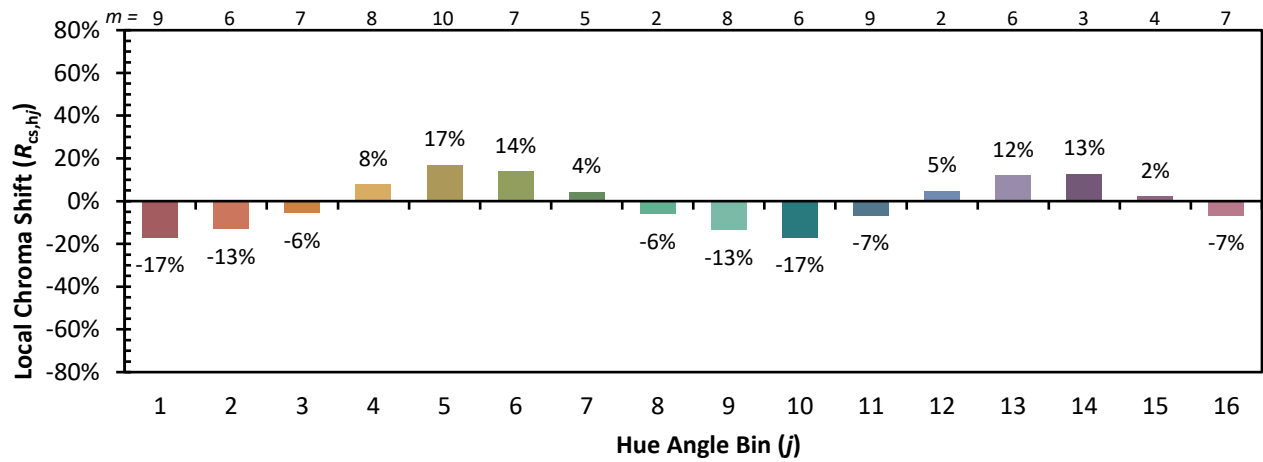


Individual Sample Fidelity Index ($R_{f,i}$)

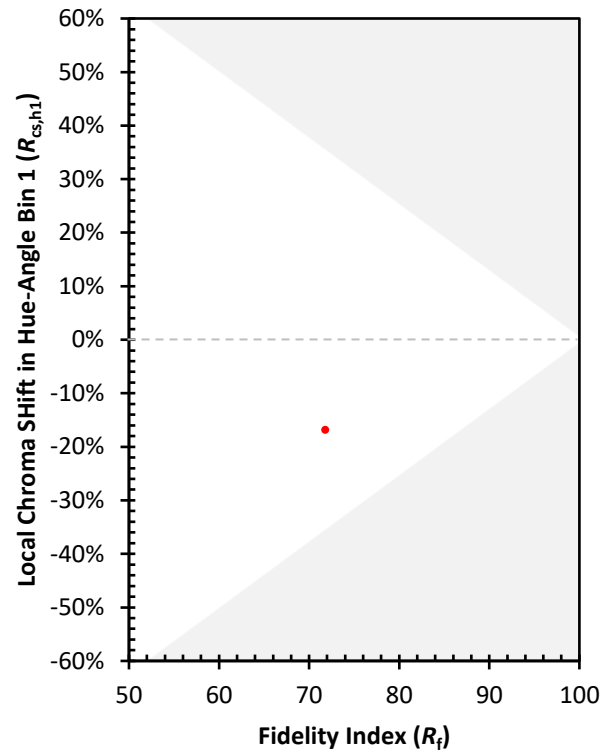
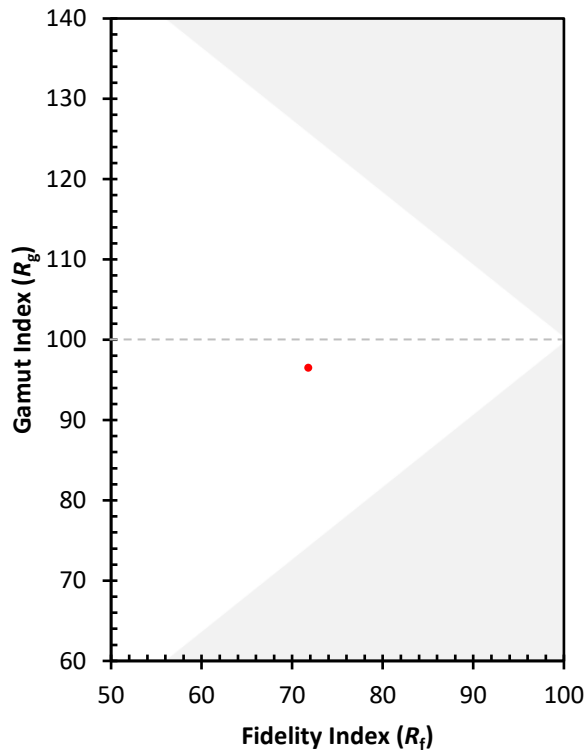
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)