

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: P1066895

Luminaire Tested: **NVN-SA3C-835-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066895
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3C-835-U-LBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
80CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12557.8 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 140.4
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



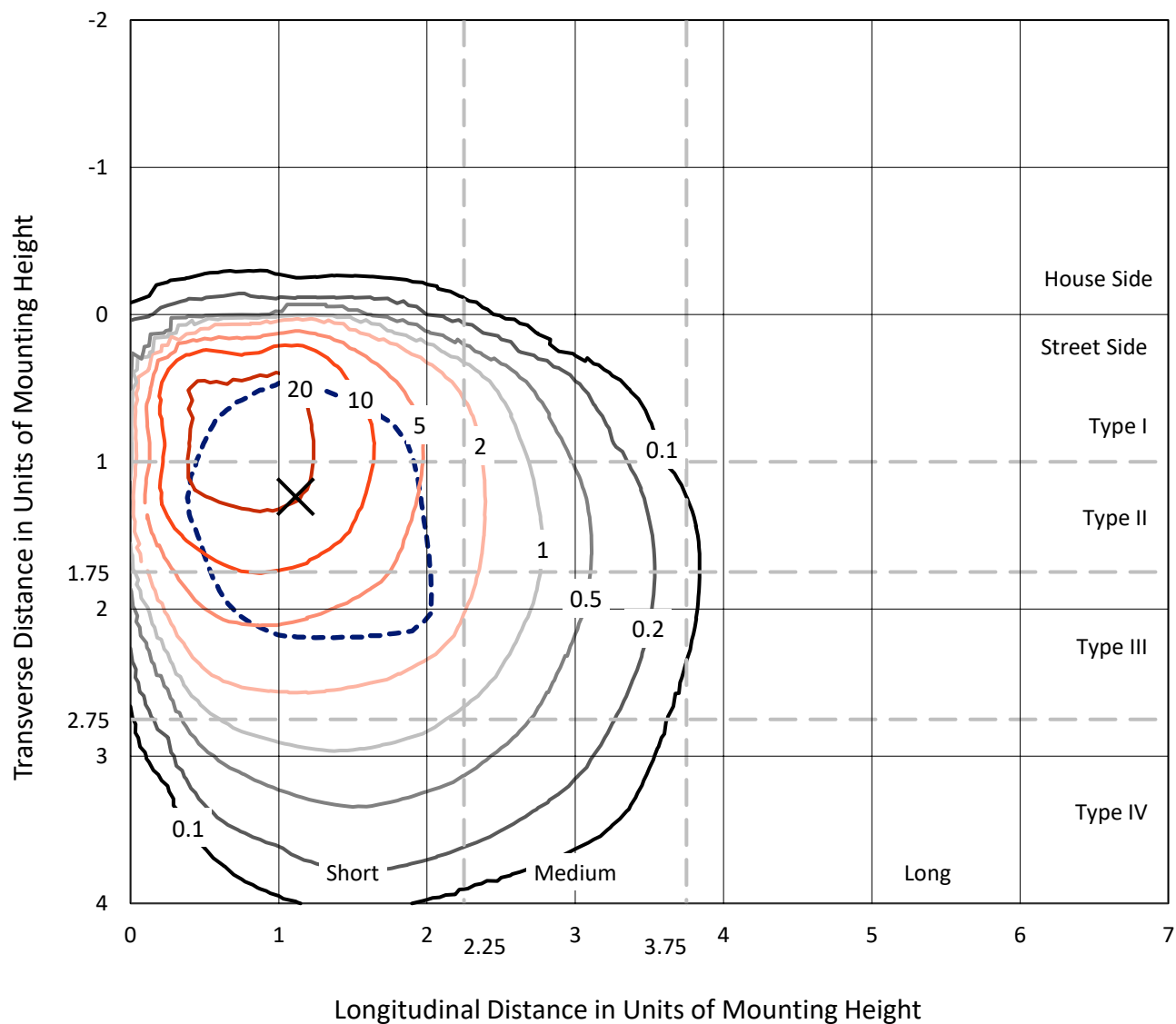
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

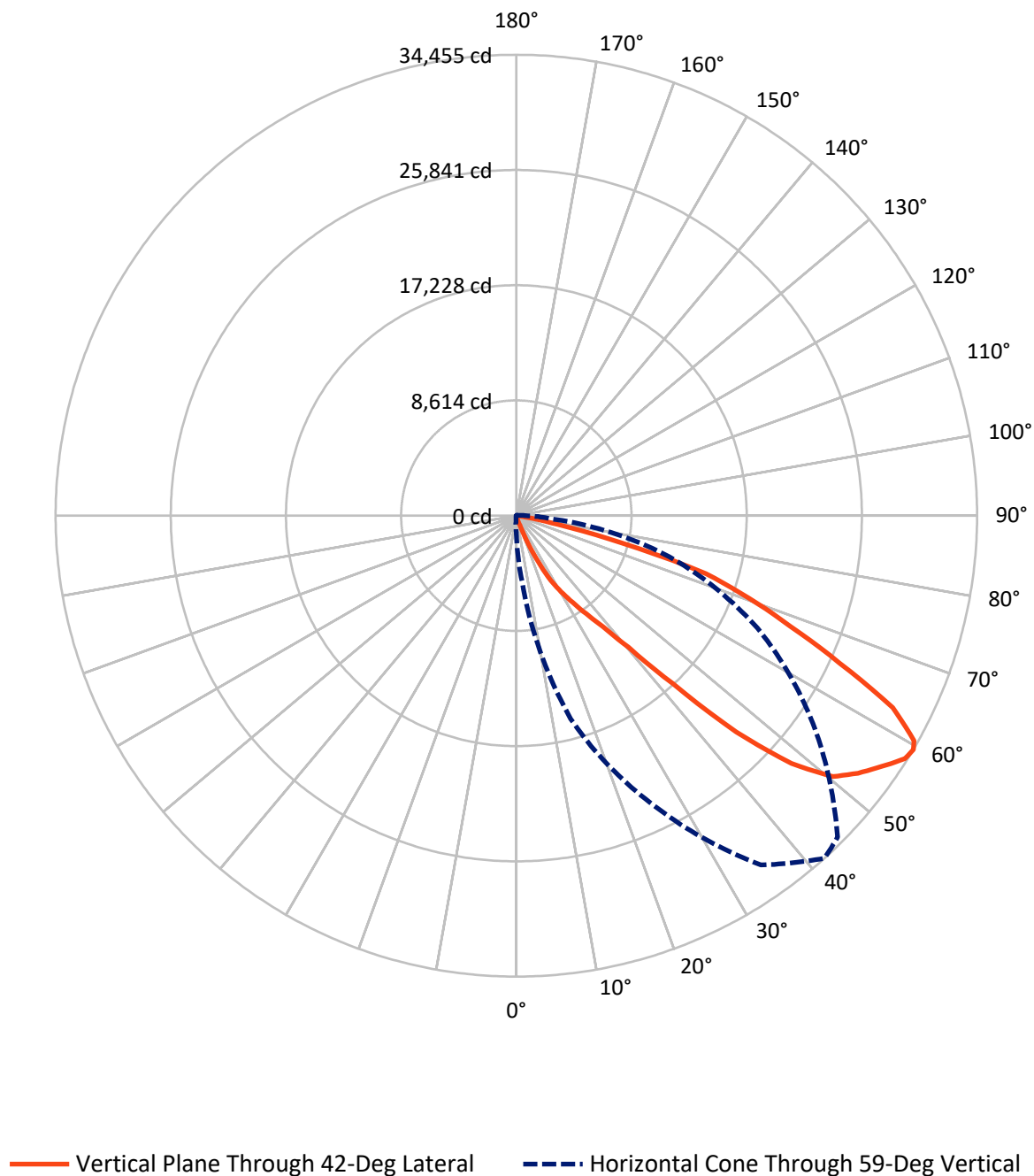


Based on 15 foot mounting height. Maximum calculated value = 37.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	60.5	0.0	60.5
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	12497.3	0.0	12497.3
	% Fixture	99.5	0.0	99.5
Total	Lumens	12557.8	0.0	12557.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.0
10°-20°	18.3	0.1
20°-30°	234.2	1.9
30°-40°	789.7	6.3
40°-50°	2385.3	19.0
50°-60°	4210.6	33.5
60°-70°	3707.5	29.5
70°-80°	1180.1	9.4
80°-90°	28.2	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°	12557.8	100.0
0°-180°	12557.8	100.0



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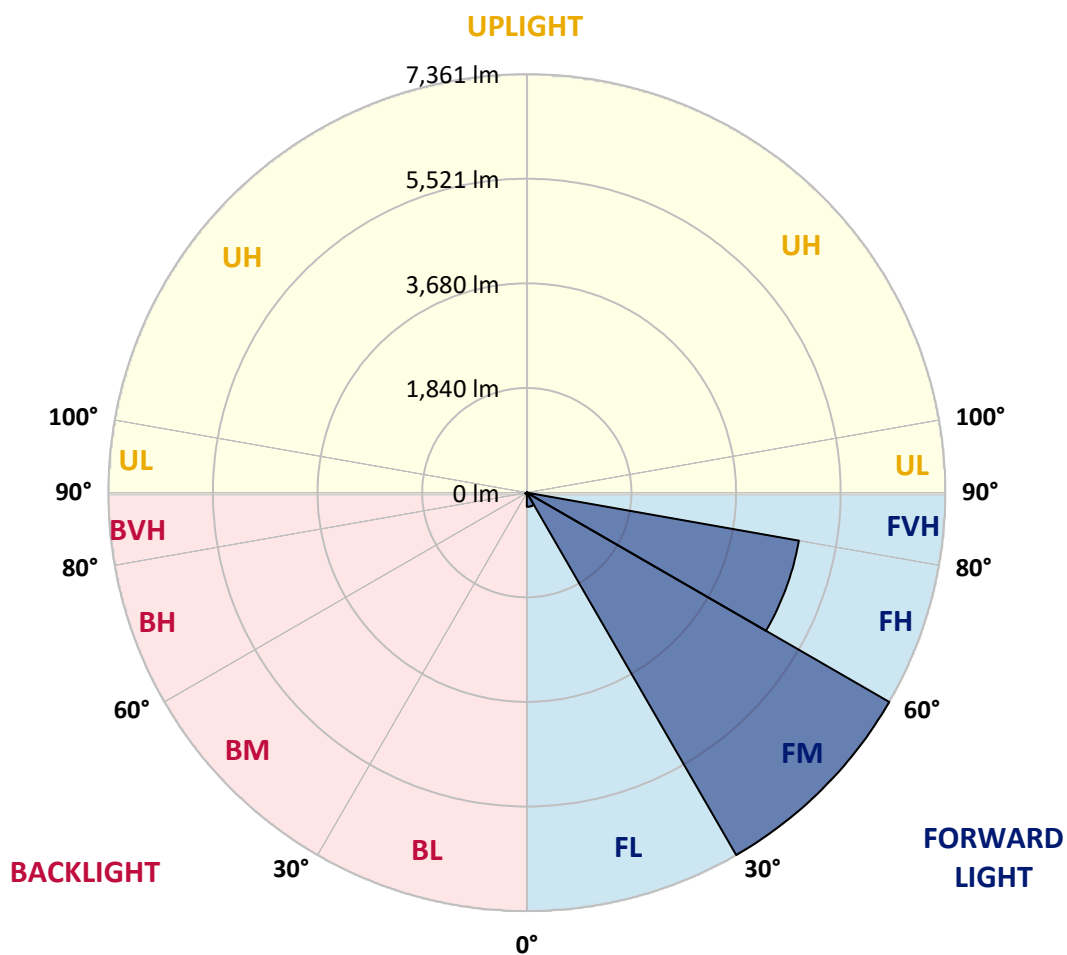
CATALOG NUMBER: NVN-SA3C-835-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.5	2.0			
FM	(30°-60°)	7361.0	58.6			
FH	(60°-80°)	4860.0	38.7			G2/5000
FVH	(80°-90°)	26.9	0.2			G1/100
BL	(0°-30°)	6.7	0.1	B0/110		
BM	(30°-60°)	24.7	0.2	B0/220		
BH	(60°-80°)	27.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	42°	45°	55°	65°	75°	85°
0°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2.5°	55.1	55.1	51.2	47.2	43.3	39.4	39.4	39.4	35.4	35.4	31.5
5°	63.0	63.0	59.1	55.1	55.1	51.2	51.2	47.2	43.3	43.3	39.4
7.5°	66.9	66.9	66.9	66.9	63.0	63.0	63.0	59.1	55.1	51.2	47.2
10°	70.9	74.8	78.7	78.7	78.7	78.7	78.7	74.8	66.9	63.0	55.1
12.5°	78.7	82.7	90.6	98.4	98.4	102.4	98.4	94.5	86.6	74.8	63.0
15°	86.6	94.5	106.3	122.1	137.8	141.7	141.7	129.9	114.2	90.6	74.8
17.5°	98.4	110.2	141.7	192.9	248.0	291.4	291.4	259.9	181.1	118.1	86.6
20°	106.3	129.9	228.4	464.6	708.7	889.8	854.4	756.0	405.5	185.1	94.5
22.5°	118.1	165.4	484.3	1220.6	1889.9	2220.6	2141.9	1626.1	909.5	330.7	114.2
25°	133.9	240.2	960.7	2287.6	3512.1	3870.4	3819.2	3035.7	1657.6	555.2	145.7
27.5°	165.4	354.4	1539.5	3468.8	5181.5	5488.6	5468.9	4445.2	2649.8	893.8	189.0
30°	208.7	515.8	2283.6	4712.9	6287.9	6598.9	6500.5	5476.8	3575.1	1366.2	244.1
32.5°	259.9	720.5	2956.9	5630.3	7307.6	7717.1	7599.0	6374.5	4319.2	1767.8	362.2
35°	338.6	921.3	3622.3	6441.4	8484.9	9004.6	8807.7	7299.7	4961.0	2220.6	437.0
37.5°	378.0	1039.4	4232.6	7323.4	9807.8	10516.5	10366.9	8469.1	5614.6	2799.4	535.5
40°	381.9	1181.2	4866.5	8473.1	11678.0	12941.9	12674.1	10477.1	6831.2	3543.6	689.0
42.5°	393.7	1393.8	5689.4	10433.8	15351.5	17166.6	16863.4	14170.3	9591.2	5035.8	976.4
45°	448.9	1795.4	7366.7	14099.4	20395.2	23056.8	22706.4	19316.4	13445.9	7843.1	1665.5
47.5°	641.8	2701.0	10307.8	18056.4	25553.0	27675.2	27588.6	23371.8	16938.2	10721.3	2823.0
50°	1031.6	4146.0	13654.5	21383.4	28836.7	30659.7	30443.2	25064.8	18930.5	12686.0	3618.4
52.5°	1378.1	5528.0	15757.0	22607.9	29817.1	31990.5	31726.7	25683.0	19454.2	13264.7	3838.9
55°	1464.7	6028.0	16383.1	22985.9	30466.8	33116.6	32734.7	26096.4	19521.1	12851.3	3472.7
57.5°	1421.4	5555.5	15977.5	23356.0	31372.4	34274.1	33766.2	26903.5	19745.5	12150.5	2890.0
59°	1346.6	4972.8	15725.6	23651.3	31872.4	34455.3	33978.8	27080.7	19895.1	11831.6	2535.6
60°	1259.9	4579.1	15528.7	23844.3	31840.9	34171.8	33679.6	26998.0	19954.2	11556.0	2366.3
62.5°	972.5	3653.8	15245.2	23706.4	29852.6	31585.0	31305.4	24974.3	19088.0	10674.0	1866.3
65°	756.0	2795.5	14205.8	21143.3	25403.4	26568.9	26482.2	21147.2	16064.2	9201.5	1346.6
67.5°	598.5	2039.5	12012.7	17123.3	20438.5	22096.1	22033.1	17166.6	12193.8	7032.0	968.6
70°	488.2	1452.9	8236.8	12910.4	16347.6	18434.4	18343.9	13816.0	9036.1	4461.0	704.8
72.5°	413.4	929.2	4996.4	9733.0	13642.7	14835.7	14571.9	11146.5	6571.3	2429.3	559.1
75°	350.4	570.9	2476.6	6067.4	8126.6	8118.7	7854.9	5902.0	3527.8	1189.1	444.9
77.5°	283.5	401.6	972.5	1665.5	2563.2	3173.5	3122.3	2090.7	1055.2	346.5	275.6
80°	185.1	189.0	259.9	456.7	704.8	779.6	885.9	637.8	307.1	165.4	114.2
82.5°	82.7	90.6	118.1	149.6	149.6	137.8	122.1	90.6	66.9	55.1	27.6
85°	19.7	27.6	19.7	23.6	19.7	15.7	15.7	7.9	0.0	0.0	0.0
87.5°	3.9	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2.5°	31.5	31.5	31.5	27.6	27.6	27.6	23.6	23.6	23.6	19.7	19.7
5°	39.4	35.4	31.5	31.5	27.6	27.6	23.6	19.7	19.7	19.7	15.7
7.5°	43.3	39.4	35.4	31.5	27.6	23.6	23.6	19.7	15.7	15.7	15.7
10°	51.2	47.2	39.4	31.5	27.6	23.6	19.7	19.7	15.7	11.8	11.8
12.5°	59.1	51.2	43.3	35.4	27.6	23.6	19.7	19.7	15.7	11.8	7.9
15°	66.9	59.1	47.2	35.4	27.6	23.6	19.7	19.7	11.8	7.9	3.9
17.5°	74.8	63.0	47.2	39.4	27.6	23.6	19.7	15.7	7.9	3.9	0.0
20°	78.7	66.9	51.2	39.4	27.6	23.6	19.7	11.8	3.9	0.0	0.0
22.5°	86.6	74.8	55.1	39.4	27.6	19.7	11.8	3.9	0.0	0.0	0.0
25°	102.4	78.7	55.1	39.4	27.6	19.7	7.9	0.0	0.0	0.0	0.0
27.5°	114.2	86.6	55.1	39.4	27.6	15.7	3.9	0.0	0.0	0.0	0.0
30°	133.9	94.5	59.1	39.4	27.6	11.8	3.9	0.0	0.0	0.0	0.0
32.5°	165.4	102.4	59.1	39.4	23.6	11.8	0.0	0.0	0.0	0.0	0.0
35°	200.8	118.1	59.1	39.4	23.6	11.8	0.0	0.0	0.0	0.0	0.0
37.5°	204.7	126.0	59.1	39.4	23.6	7.9	0.0	0.0	0.0	0.0	0.0
40°	212.6	118.1	63.0	39.4	23.6	7.9	0.0	0.0	0.0	0.0	0.0
42.5°	244.1	110.2	66.9	39.4	23.6	7.9	0.0	0.0	0.0	0.0	0.0
45°	362.2	114.2	66.9	43.3	23.6	11.8	0.0	0.0	0.0	0.0	0.0
47.5°	630.0	118.1	63.0	43.3	23.6	11.8	0.0	0.0	0.0	0.0	0.0
50°	807.1	137.8	63.0	47.2	27.6	7.9	0.0	0.0	0.0	0.0	0.0
52.5°	858.3	161.4	63.0	51.2	35.4	3.9	0.0	0.0	0.0	0.0	0.0
55°	834.7	189.0	66.9	55.1	43.3	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	771.7	204.7	70.9	59.1	47.2	0.0	0.0	0.0	0.0	0.0	0.0
59°	704.8	216.6	82.7	63.0	47.2	0.0	0.0	0.0	0.0	0.0	0.0
60°	649.7	228.4	86.6	66.9	47.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	523.7	244.1	94.5	78.7	39.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	456.7	255.9	98.4	86.6	35.4	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	417.4	263.8	106.3	90.6	31.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	385.9	259.9	114.2	86.6	27.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	350.4	248.0	137.8	78.7	23.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	315.0	224.4	149.6	70.9	15.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	228.4	189.0	137.8	63.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	98.4	102.4	98.4	47.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.7	23.6	19.7	11.8	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2.5°	19.7	19.7	19.7	19.7	23.6	23.6	31.5	39.4	47.2	51.2	51.2
5°	15.7	15.7	15.7	15.7	15.7	19.7	23.6	31.5	43.3	47.2	47.2
7.5°	11.8	11.8	11.8	11.8	11.8	11.8	19.7	27.6	39.4	43.3	47.2
10°	11.8	7.9	7.9	3.9	3.9	7.9	11.8	23.6	35.4	39.4	43.3
12.5°	7.9	3.9	3.9	0.0	0.0	3.9	7.9	19.7	31.5	35.4	39.4
15°	3.9	0.0	0.0	0.0	0.0	0.0	3.9	15.7	27.6	31.5	39.4
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	23.6	31.5	35.4
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	19.7	27.6	31.5
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	15.7	23.6	27.6
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	15.7	19.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	11.8	15.7
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	11.8	15.7
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9	11.8
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9	11.8
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9	7.9
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
59°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
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):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2.5°	55.1	55.1	51.2	47.2	47.2	47.2	51.2	55.1	55.1	55.1
5°	51.2	51.2	47.2	47.2	47.2	47.2	51.2	59.1	63.0	63.0
7.5°	51.2	51.2	47.2	47.2	47.2	47.2	51.2	59.1	63.0	66.9
10°	47.2	47.2	47.2	47.2	43.3	47.2	51.2	59.1	70.9	70.9
12.5°	47.2	47.2	47.2	47.2	43.3	47.2	55.1	63.0	74.8	78.7
15°	47.2	47.2	47.2	43.3	43.3	47.2	55.1	66.9	78.7	86.6
17.5°	43.3	47.2	47.2	43.3	43.3	47.2	55.1	66.9	86.6	98.4
20°	39.4	43.3	47.2	43.3	43.3	43.3	55.1	66.9	90.6	106.3
22.5°	35.4	39.4	43.3	43.3	39.4	43.3	55.1	70.9	98.4	118.1
25°	31.5	35.4	35.4	39.4	39.4	43.3	55.1	70.9	102.4	133.9
27.5°	23.6	27.6	31.5	35.4	35.4	43.3	55.1	74.8	110.2	165.4
30°	19.7	23.6	27.6	31.5	35.4	43.3	55.1	74.8	118.1	208.7
32.5°	19.7	23.6	27.6	31.5	35.4	39.4	55.1	78.7	129.9	259.9
35°	15.7	19.7	23.6	31.5	31.5	39.4	55.1	78.7	141.7	338.6
37.5°	15.7	19.7	23.6	31.5	31.5	39.4	55.1	78.7	173.2	378.0
40°	11.8	15.7	19.7	31.5	31.5	39.4	59.1	82.7	177.2	381.9
42.5°	11.8	15.7	19.7	27.6	31.5	39.4	59.1	82.7	165.4	393.7
45°	11.8	15.7	19.7	31.5	35.4	43.3	59.1	86.6	161.4	448.9
47.5°	11.8	15.7	19.7	31.5	39.4	43.3	59.1	86.6	165.4	641.8
50°	11.8	15.7	19.7	31.5	43.3	43.3	59.1	86.6	181.1	1031.6
52.5°	7.9	11.8	15.7	27.6	35.4	47.2	63.0	82.7	192.9	1378.1
55°	7.9	7.9	11.8	23.6	31.5	51.2	66.9	82.7	224.4	1464.7
57.5°	7.9	7.9	11.8	19.7	27.6	55.1	70.9	82.7	259.9	1421.4
59°	7.9	7.9	7.9	19.7	23.6	55.1	70.9	86.6	263.8	1346.6
60°	7.9	7.9	7.9	15.7	23.6	55.1	74.8	90.6	267.7	1259.9
62.5°	3.9	3.9	3.9	15.7	19.7	55.1	82.7	110.2	275.6	972.5
65°	7.9	7.9	3.9	11.8	19.7	47.2	94.5	118.1	279.5	756.0
67.5°	7.9	7.9	7.9	15.7	19.7	47.2	98.4	122.1	279.5	598.5
70°	7.9	7.9	7.9	15.7	23.6	47.2	98.4	126.0	275.6	488.2
72.5°	7.9	7.9	7.9	15.7	23.6	43.3	90.6	129.9	263.8	413.4
75°	7.9	7.9	7.9	11.8	19.7	39.4	86.6	141.7	240.2	350.4
77.5°	7.9	7.9	7.9	7.9	15.7	31.5	78.7	157.5	212.6	283.5
80°	11.8	7.9	7.9	7.9	11.8	27.6	74.8	153.6	177.2	185.1
82.5°	11.8	7.9	7.9	3.9	7.9	19.7	59.1	118.1	90.6	82.7
85°	7.9	7.9	7.9	3.9	3.9	11.8	27.6	35.4	27.6	19.7
87.5°	7.9	7.9	7.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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: SP1-2407-184-10

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

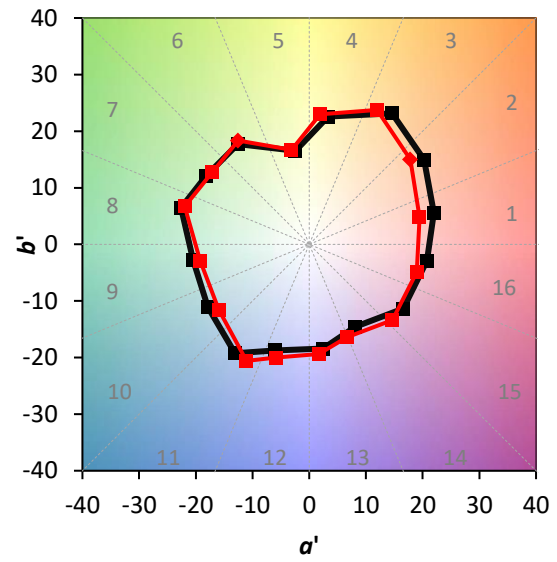
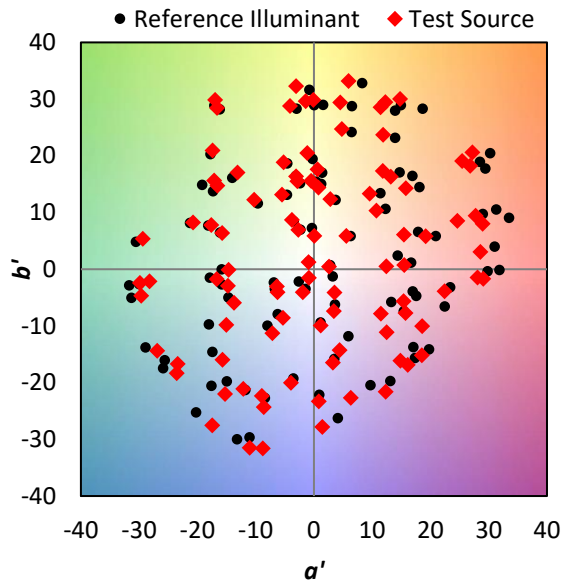
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$

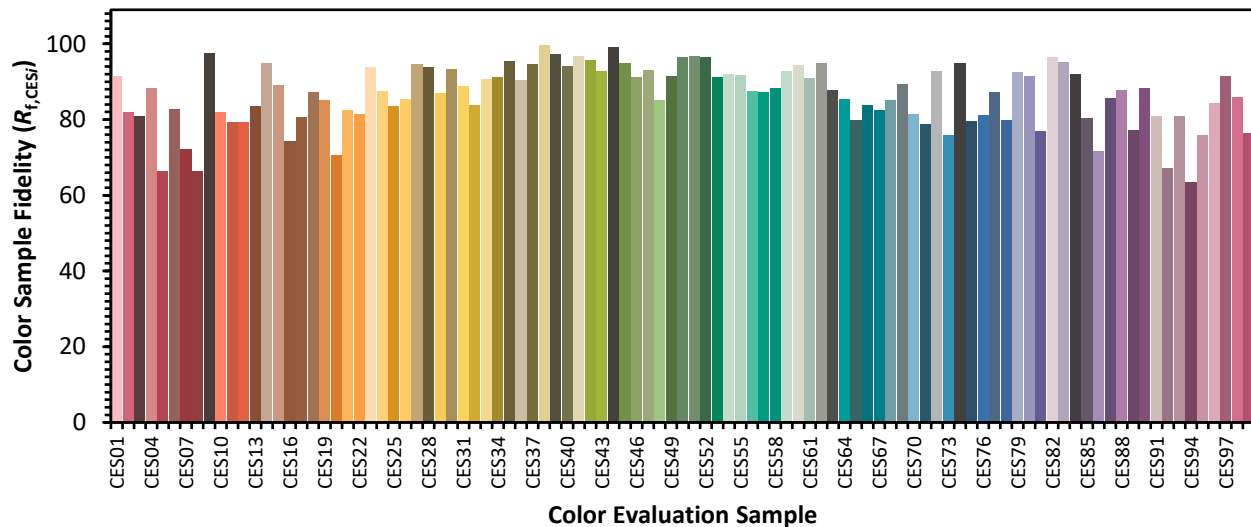


Color Vector Graphics

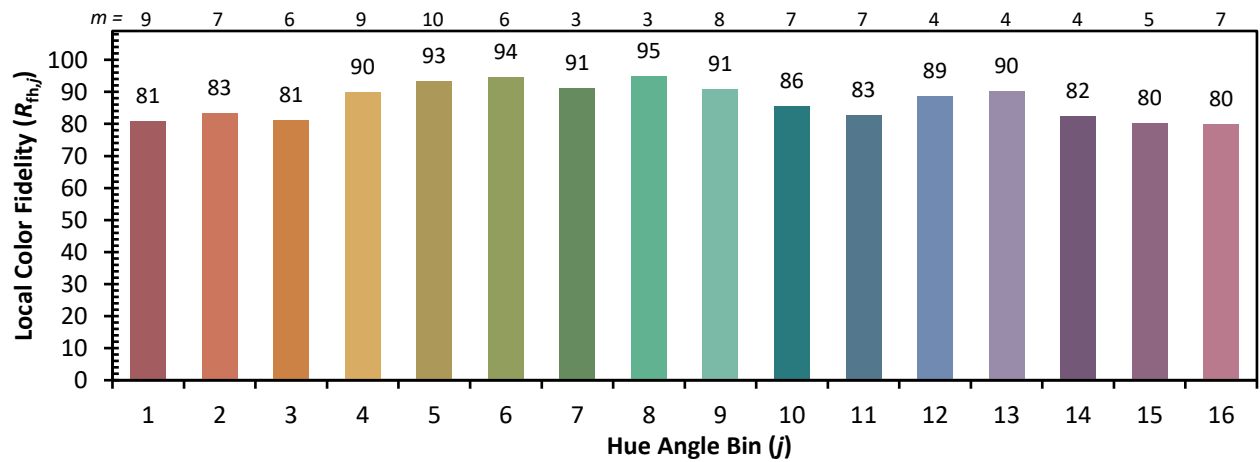
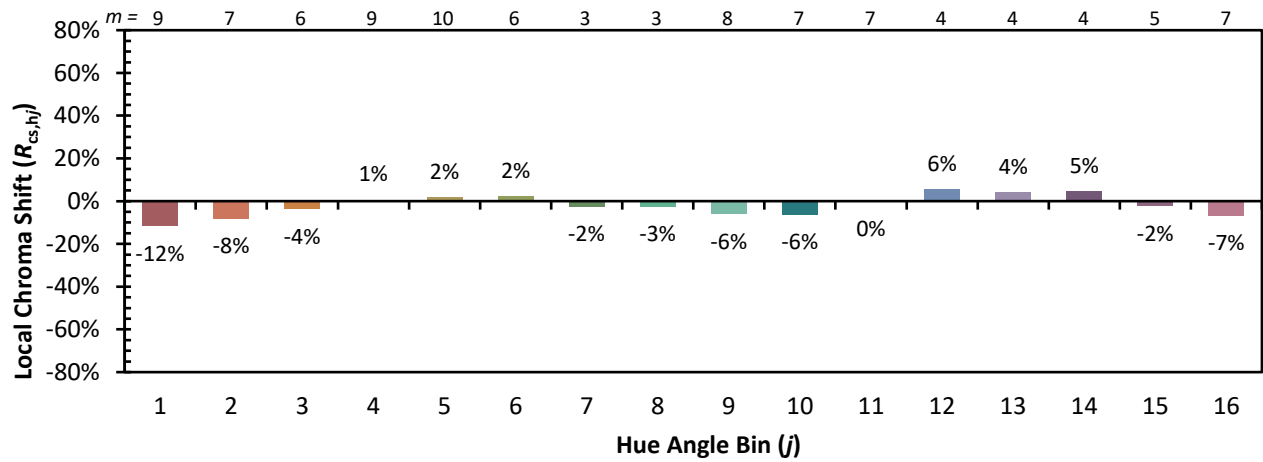


Individual Sample Fidelity Index ($R_{f,i}$)

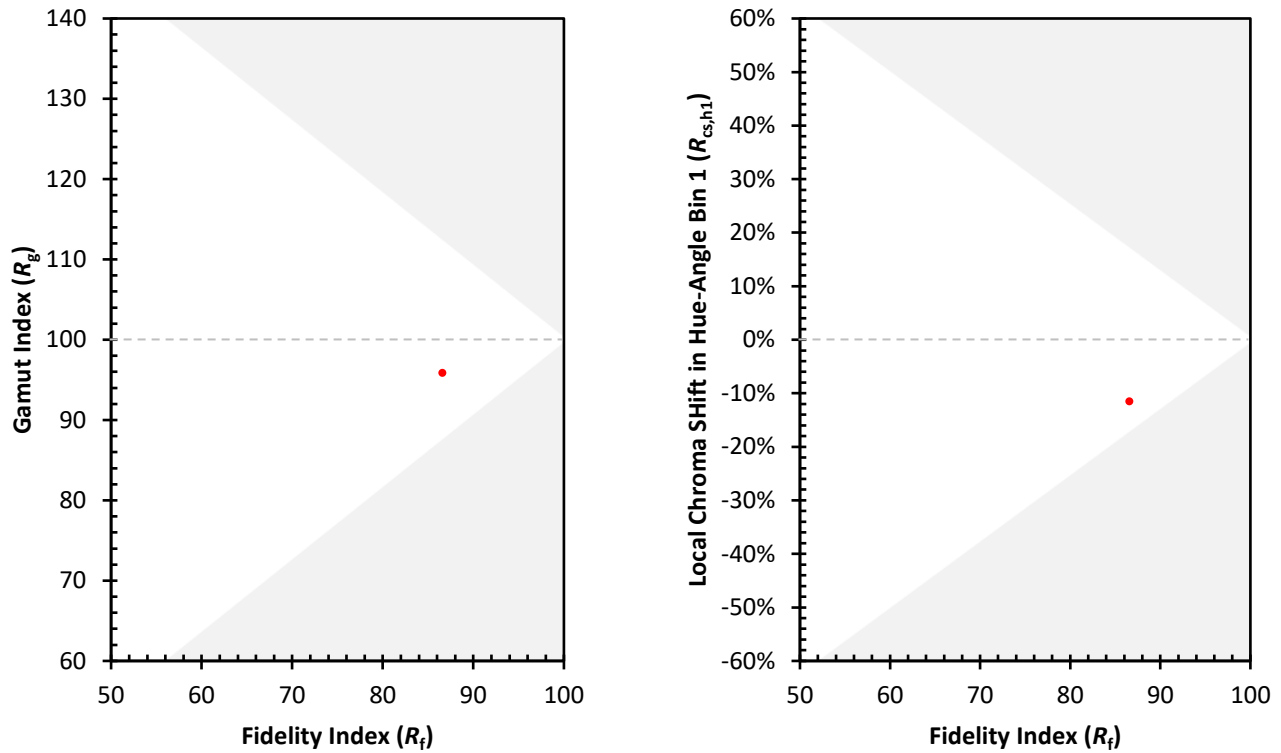
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)