

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: P1066892

Luminaire Tested: **NVN-SA2D-835-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066892
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2D-835-U-LBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
80CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9296.5 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107
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

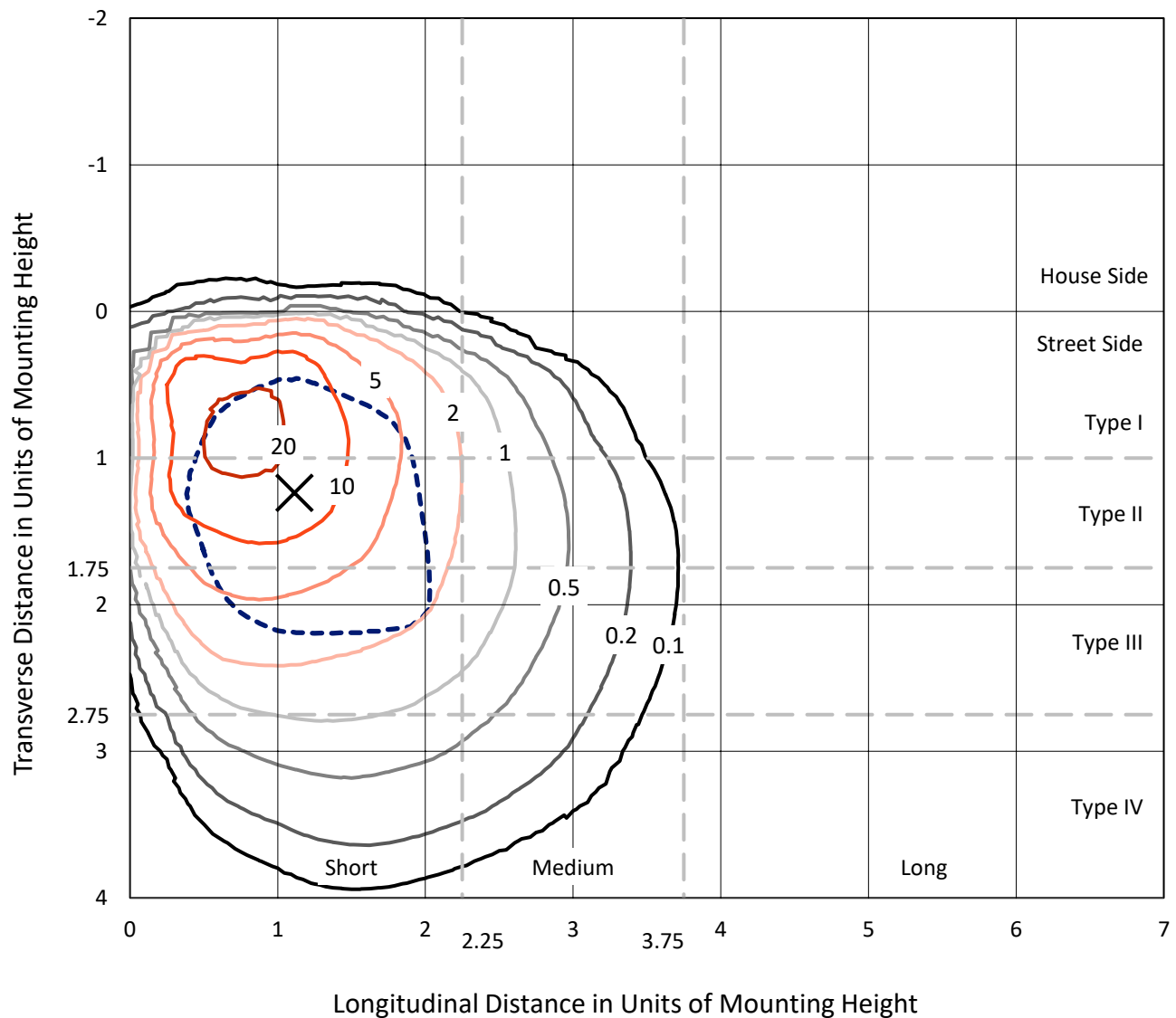


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

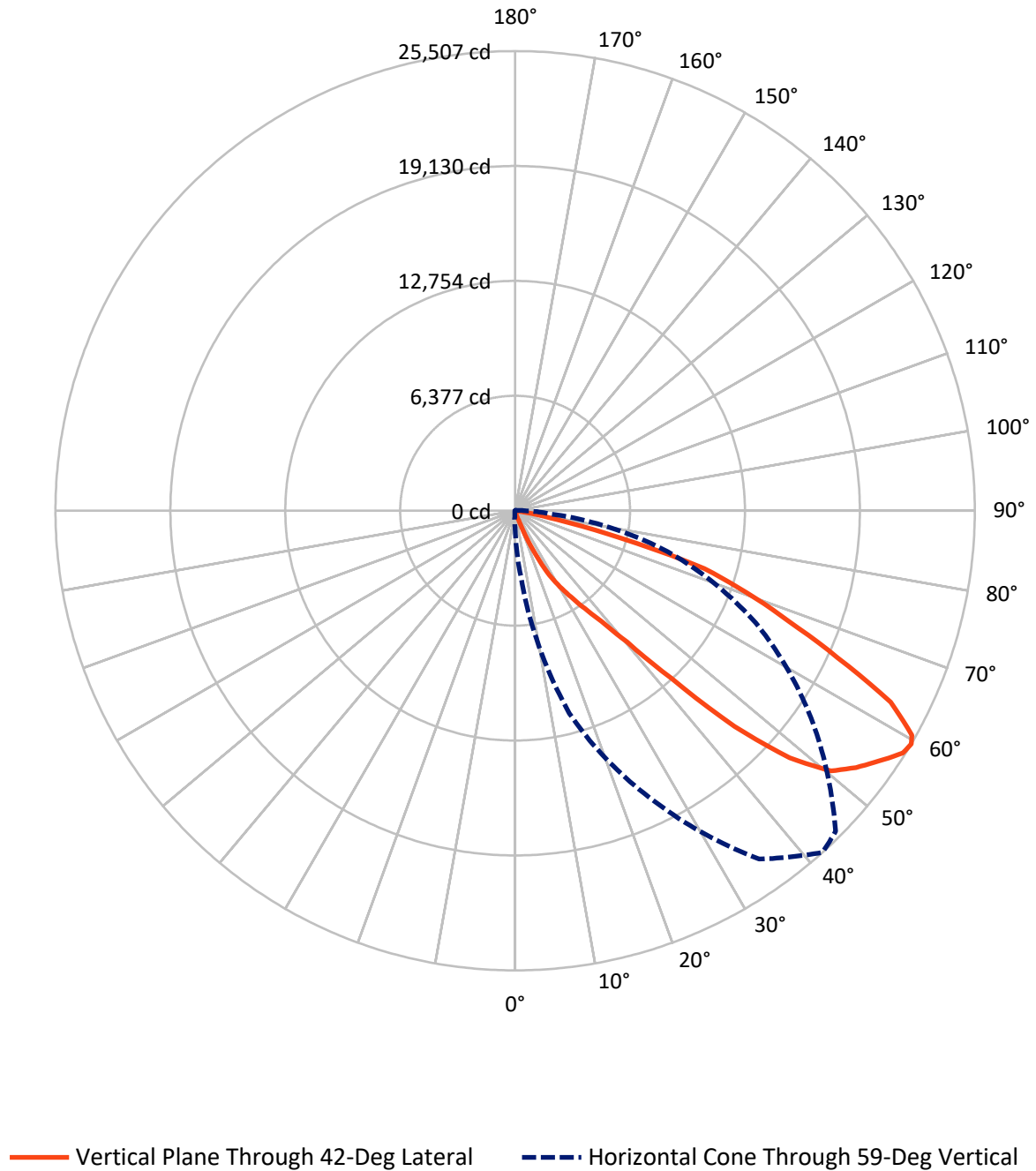


Based on 15 foot mounting height. Maximum calculated value = 27.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.8	0.0	44.8
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	9251.7	0.0	9251.7
	% Fixture	99.5	0.0	99.5
Total	Lumens	9296.5	0.0	9296.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.0
10°-20°	13.6	0.1
20°-30°	173.4	1.9
30°-40°	584.6	6.3
40°-50°	1765.8	19.0
50°-60°	3117.1	33.5
60°-70°	2744.7	29.5
70°-80°	873.6	9.4
80°-90°	20.9	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°	9296.5	100.0
0°-180°	9296.5	100.0



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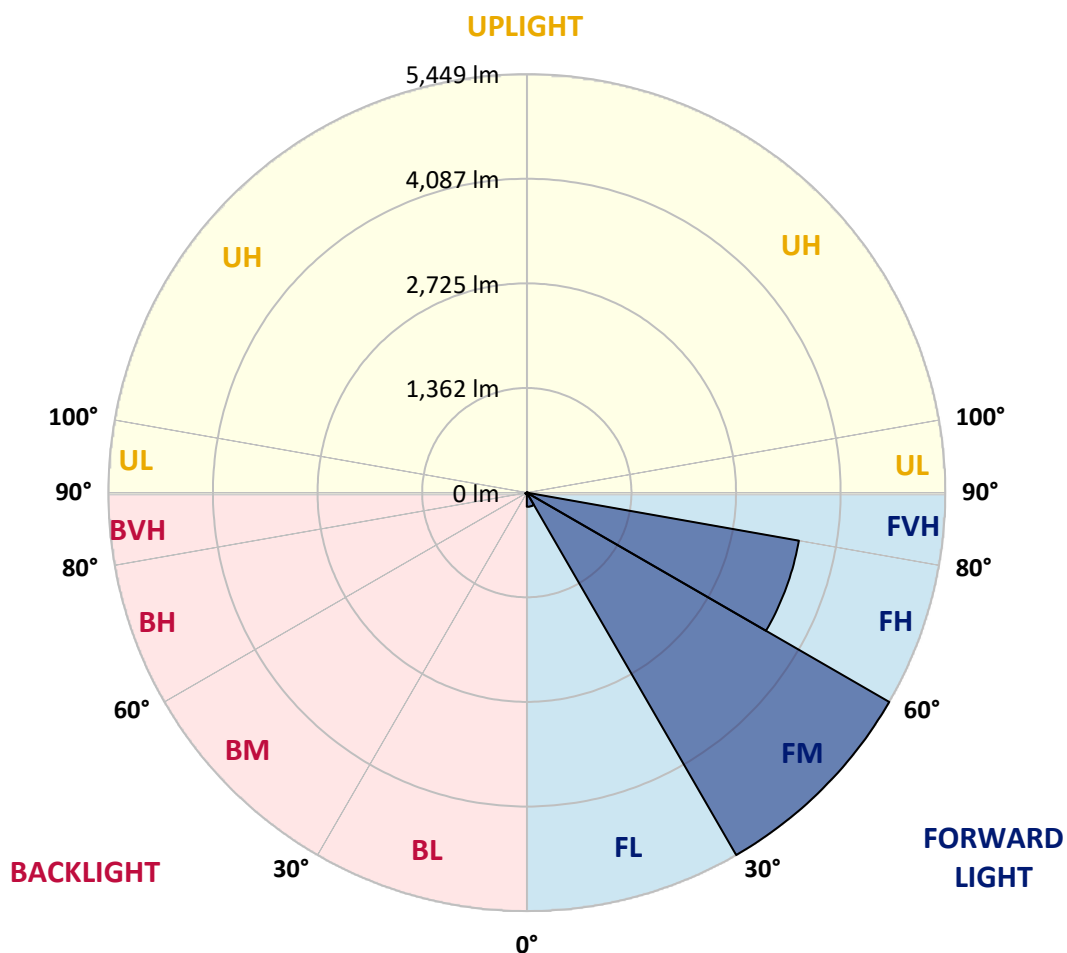
CATALOG NUMBER: NVN-SA2D-835-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.7	2.0			
FM	(30°-60°)	5449.3	58.6			
FH	(60°-80°)	3597.8	38.7			G2/5000
FVH	(80°-90°)	19.9	0.2			G1/100
BL	(0°-30°)	5.0	0.1	B0/110		
BM	(30°-60°)	18.3	0.2	B0/220		
BH	(60°-80°)	20.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	40.8	40.8	37.9	35.0	32.1	29.1	29.1	29.1	26.2	26.2	23.3
5°	46.6	46.6	43.7	40.8	40.8	37.9	37.9	35.0	32.1	32.1	29.1
7.5°	49.6	49.6	49.6	49.6	46.6	46.6	46.6	43.7	40.8	37.9	35.0
10°	52.5	55.4	58.3	58.3	58.3	58.3	58.3	55.4	49.6	46.6	40.8
12.5°	58.3	61.2	67.0	72.9	72.9	75.8	72.9	70.0	64.1	55.4	46.6
15°	64.1	70.0	78.7	90.4	102.0	104.9	104.9	96.2	84.5	67.0	55.4
17.5°	72.9	81.6	104.9	142.8	183.6	215.7	215.7	192.4	134.1	87.4	64.1
20°	78.7	96.2	169.1	343.9	524.7	658.7	632.5	559.6	300.2	137.0	70.0
22.5°	87.4	122.4	358.5	903.6	1399.1	1643.9	1585.6	1203.8	673.3	244.8	84.5
25°	99.1	177.8	711.2	1693.5	2600.0	2865.2	2827.3	2247.3	1227.1	411.0	107.8
27.5°	122.4	262.3	1139.7	2567.9	3835.8	4063.2	4048.6	3290.8	1961.6	661.7	139.9
30°	154.5	381.8	1690.6	3489.0	4654.9	4885.1	4812.3	4054.4	2646.6	1011.4	180.7
32.5°	192.4	533.4	2189.0	4168.1	5409.8	5712.9	5625.5	4719.0	3197.5	1308.7	268.2
35°	250.7	682.1	2681.6	4768.6	6281.3	6666.1	6520.3	5404.0	3672.6	1643.9	323.5
37.5°	279.8	769.5	3133.4	5421.5	7260.7	7785.3	7674.6	6269.7	4156.5	2072.4	396.4
40°	282.7	874.4	3602.6	6272.6	8645.2	9580.8	9382.6	7756.2	5057.1	2623.3	510.1
42.5°	291.5	1031.8	4211.8	7724.1	11364.7	12708.4	12483.9	10490.2	7100.4	3728.0	722.9
45°	332.3	1329.1	5453.5	10437.8	15098.5	17068.8	16809.4	14299.8	9953.9	5806.2	1232.9
47.5°	475.1	1999.5	7630.8	13367.1	18916.8	20487.9	20423.7	17302.0	12539.3	7936.9	2089.9
50°	763.7	3069.2	10108.4	15830.1	21347.7	22697.3	22536.9	18555.4	14014.2	9391.4	2678.7
52.5°	1020.2	4092.3	11664.9	16736.6	22073.5	23682.4	23487.2	19013.0	14401.8	9819.8	2841.9
55°	1084.3	4462.5	12128.3	17016.4	22554.4	24516.1	24233.3	19319.0	14451.4	9513.8	2570.8
57.5°	1052.2	4112.7	11828.1	17290.4	23224.8	25373.0	24997.0	19916.6	14617.5	8995.0	2139.4
59°	996.8	3681.3	11641.6	17509.0	23595.0	25507.1	25154.4	20047.7	14728.3	8758.9	1877.1
60°	932.7	3389.9	11495.8	17651.8	23571.7	25297.2	24932.9	19986.5	14772.0	8554.8	1751.8
62.5°	719.9	2704.9	11286.0	17549.8	22099.7	23382.2	23175.3	18488.3	14130.8	7901.9	1381.6
65°	559.6	2069.5	10516.5	15652.3	18806.0	19668.8	19604.7	15655.2	11892.2	6811.8	996.8
67.5°	443.0	1509.8	8892.9	12676.3	15130.5	16357.6	16311.0	12708.4	9027.0	5205.8	717.0
70°	361.4	1075.5	6097.7	9557.5	12102.1	13646.9	13579.9	10227.9	6689.4	3302.4	521.7
72.5°	306.0	687.9	3698.8	7205.3	10099.6	10982.8	10787.5	8251.7	4864.7	1798.4	413.9
75°	259.4	422.6	1833.4	4491.6	6016.1	6010.2	5814.9	4369.2	2611.6	880.3	329.4
77.5°	209.9	297.3	719.9	1232.9	1897.5	2349.3	2311.4	1547.7	781.2	256.5	204.0
80°	137.0	139.9	192.4	338.1	521.7	577.1	655.8	472.2	227.4	122.4	84.5
82.5°	61.2	67.0	87.4	110.8	110.8	102.0	90.4	67.0	49.6	40.8	20.4
85°	14.6	20.4	14.6	17.5	14.6	11.7	11.7	5.8	0.0	0.0	0.0
87.5°	2.9	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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	23.3	23.3	23.3	20.4	20.4	20.4	17.5	17.5	17.5	14.6	14.6
5°	29.1	26.2	23.3	23.3	20.4	20.4	17.5	14.6	14.6	14.6	11.7
7.5°	32.1	29.1	26.2	23.3	20.4	17.5	17.5	14.6	11.7	11.7	11.7
10°	37.9	35.0	29.1	23.3	20.4	17.5	14.6	14.6	11.7	8.7	8.7
12.5°	43.7	37.9	32.1	26.2	20.4	17.5	14.6	14.6	11.7	8.7	5.8
15°	49.6	43.7	35.0	26.2	20.4	17.5	14.6	14.6	8.7	5.8	2.9
17.5°	55.4	46.6	35.0	29.1	20.4	17.5	14.6	11.7	5.8	2.9	0.0
20°	58.3	49.6	37.9	29.1	20.4	17.5	14.6	8.7	2.9	0.0	0.0
22.5°	64.1	55.4	40.8	29.1	20.4	14.6	8.7	2.9	0.0	0.0	0.0
25°	75.8	58.3	40.8	29.1	20.4	14.6	5.8	0.0	0.0	0.0	0.0
27.5°	84.5	64.1	40.8	29.1	20.4	11.7	2.9	0.0	0.0	0.0	0.0
30°	99.1	70.0	43.7	29.1	20.4	8.7	2.9	0.0	0.0	0.0	0.0
32.5°	122.4	75.8	43.7	29.1	17.5	8.7	0.0	0.0	0.0	0.0	0.0
35°	148.7	87.4	43.7	29.1	17.5	8.7	0.0	0.0	0.0	0.0	0.0
37.5°	151.6	93.3	43.7	29.1	17.5	5.8	0.0	0.0	0.0	0.0	0.0
40°	157.4	87.4	46.6	29.1	17.5	5.8	0.0	0.0	0.0	0.0	0.0
42.5°	180.7	81.6	49.6	29.1	17.5	5.8	0.0	0.0	0.0	0.0	0.0
45°	268.2	84.5	49.6	32.1	17.5	8.7	0.0	0.0	0.0	0.0	0.0
47.5°	466.4	87.4	46.6	32.1	17.5	8.7	0.0	0.0	0.0	0.0	0.0
50°	597.5	102.0	46.6	35.0	20.4	5.8	0.0	0.0	0.0	0.0	0.0
52.5°	635.4	119.5	46.6	37.9	26.2	2.9	0.0	0.0	0.0	0.0	0.0
55°	617.9	139.9	49.6	40.8	32.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	571.3	151.6	52.5	43.7	35.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	521.7	160.3	61.2	46.6	35.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	480.9	169.1	64.1	49.6	35.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	387.7	180.7	70.0	58.3	29.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	338.1	189.5	72.9	64.1	26.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	309.0	195.3	78.7	67.0	23.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	285.6	192.4	84.5	64.1	20.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	259.4	183.6	102.0	58.3	17.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	233.2	166.1	110.8	52.5	11.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	169.1	139.9	102.0	46.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	72.9	75.8	72.9	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.6	17.5	14.6	8.7	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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	14.6	14.6	14.6	14.6	17.5	17.5	23.3	29.1	35.0	37.9	37.9
5°	11.7	11.7	11.7	11.7	11.7	14.6	17.5	23.3	32.1	35.0	35.0
7.5°	8.7	8.7	8.7	8.7	8.7	8.7	14.6	20.4	29.1	32.1	35.0
10°	8.7	5.8	5.8	2.9	2.9	5.8	8.7	17.5	26.2	29.1	32.1
12.5°	5.8	2.9	2.9	0.0	0.0	2.9	5.8	14.6	23.3	26.2	29.1
15°	2.9	0.0	0.0	0.0	0.0	0.0	2.9	11.7	20.4	23.3	29.1
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	17.5	23.3	26.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	14.6	20.4	23.3
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.7	17.5	20.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	11.7	14.6
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	8.7	11.7
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	8.7	11.7
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8	8.7
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8	8.7
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8	5.8
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
59°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	40.8	40.8	37.9	35.0	35.0	35.0	37.9	40.8	40.8	40.8
5°	37.9	37.9	35.0	35.0	35.0	35.0	37.9	43.7	46.6	46.6
7.5°	37.9	37.9	35.0	35.0	35.0	35.0	37.9	43.7	46.6	49.6
10°	35.0	35.0	35.0	35.0	32.1	35.0	37.9	43.7	52.5	52.5
12.5°	35.0	35.0	35.0	35.0	32.1	35.0	40.8	46.6	55.4	58.3
15°	35.0	35.0	35.0	32.1	32.1	35.0	40.8	49.6	58.3	64.1
17.5°	32.1	35.0	35.0	32.1	32.1	35.0	40.8	49.6	64.1	72.9
20°	29.1	32.1	35.0	32.1	32.1	32.1	40.8	49.6	67.0	78.7
22.5°	26.2	29.1	32.1	32.1	29.1	32.1	40.8	52.5	72.9	87.4
25°	23.3	26.2	26.2	29.1	29.1	32.1	40.8	52.5	75.8	99.1
27.5°	17.5	20.4	23.3	26.2	26.2	32.1	40.8	55.4	81.6	122.4
30°	14.6	17.5	20.4	23.3	26.2	32.1	40.8	55.4	87.4	154.5
32.5°	14.6	17.5	20.4	23.3	26.2	29.1	40.8	58.3	96.2	192.4
35°	11.7	14.6	17.5	23.3	23.3	29.1	40.8	58.3	104.9	250.7
37.5°	11.7	14.6	17.5	23.3	23.3	29.1	40.8	58.3	128.2	279.8
40°	8.7	11.7	14.6	23.3	23.3	29.1	43.7	61.2	131.2	282.7
42.5°	8.7	11.7	14.6	20.4	23.3	29.1	43.7	61.2	122.4	291.5
45°	8.7	11.7	14.6	23.3	26.2	32.1	43.7	64.1	119.5	332.3
47.5°	8.7	11.7	14.6	23.3	29.1	32.1	43.7	64.1	122.4	475.1
50°	8.7	11.7	14.6	23.3	32.1	32.1	43.7	64.1	134.1	763.7
52.5°	5.8	8.7	11.7	20.4	26.2	35.0	46.6	61.2	142.8	1020.2
55°	5.8	5.8	8.7	17.5	23.3	37.9	49.6	61.2	166.1	1084.3
57.5°	5.8	5.8	8.7	14.6	20.4	40.8	52.5	61.2	192.4	1052.2
59°	5.8	5.8	5.8	14.6	17.5	40.8	52.5	64.1	195.3	996.8
60°	5.8	5.8	5.8	11.7	17.5	40.8	55.4	67.0	198.2	932.7
62.5°	2.9	2.9	2.9	11.7	14.6	40.8	61.2	81.6	204.0	719.9
65°	5.8	5.8	2.9	8.7	14.6	35.0	70.0	87.4	206.9	559.6
67.5°	5.8	5.8	5.8	11.7	14.6	35.0	72.9	90.4	206.9	443.0
70°	5.8	5.8	5.8	11.7	17.5	35.0	72.9	93.3	204.0	361.4
72.5°	5.8	5.8	5.8	11.7	17.5	32.1	67.0	96.2	195.3	306.0
75°	5.8	5.8	5.8	8.7	14.6	29.1	64.1	104.9	177.8	259.4
77.5°	5.8	5.8	5.8	5.8	11.7	23.3	58.3	116.6	157.4	209.9
80°	8.7	5.8	5.8	5.8	8.7	20.4	55.4	113.7	131.2	137.0
82.5°	8.7	5.8	5.8	2.9	5.8	14.6	43.7	87.4	67.0	61.2
85°	5.8	5.8	5.8	2.9	2.9	8.7	20.4	26.2	20.4	14.6
87.5°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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 $\text{W}^\wedge/\text{nm}$	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	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			

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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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.88

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	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			

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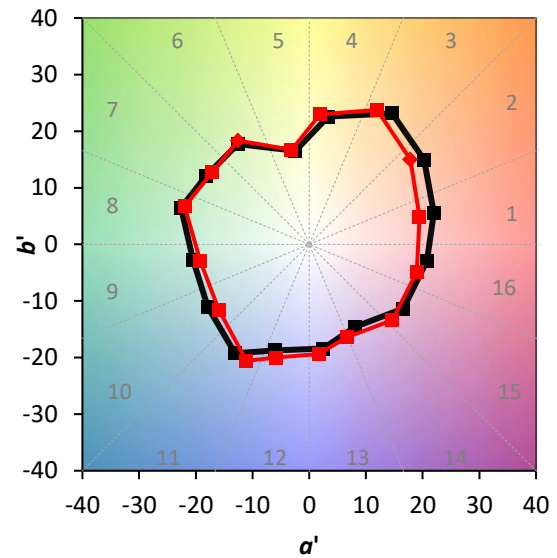
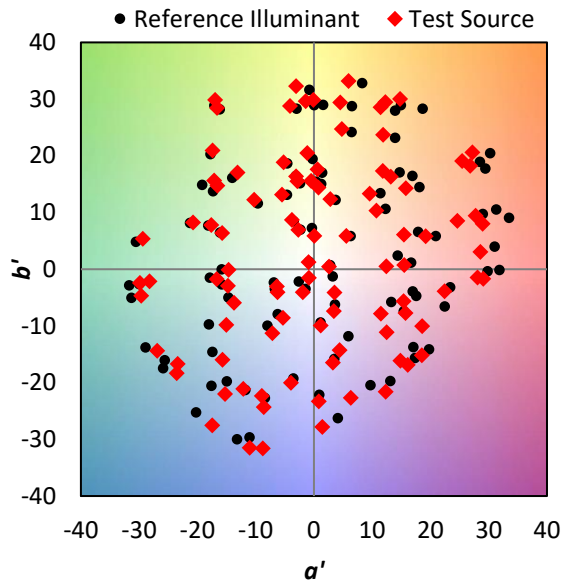
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $\text{CIE } R_a = 83.5$
 $R_9 = 6.3$

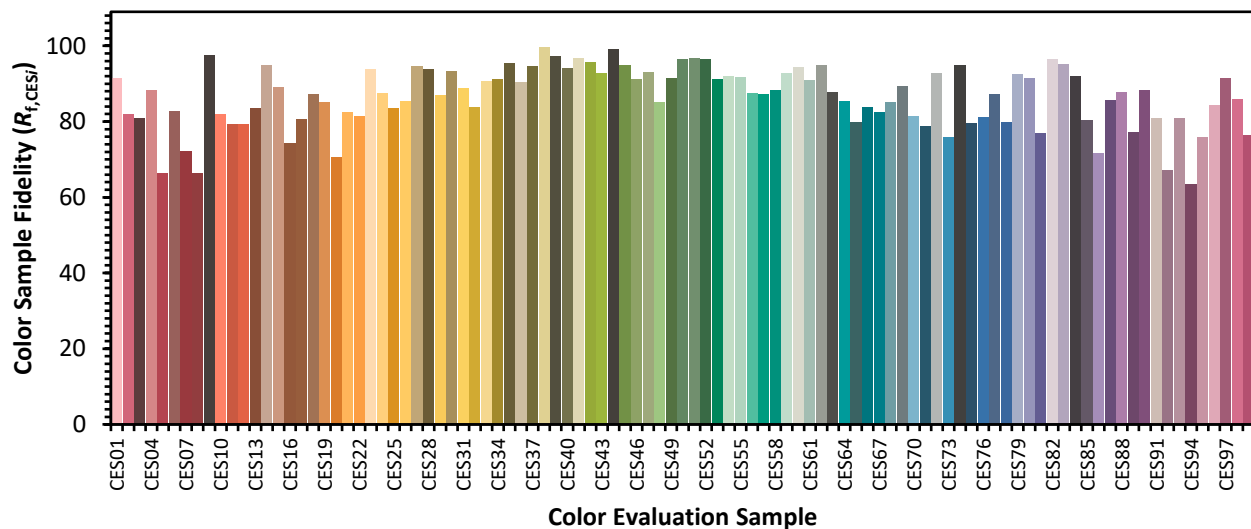


Color Vector Graphics

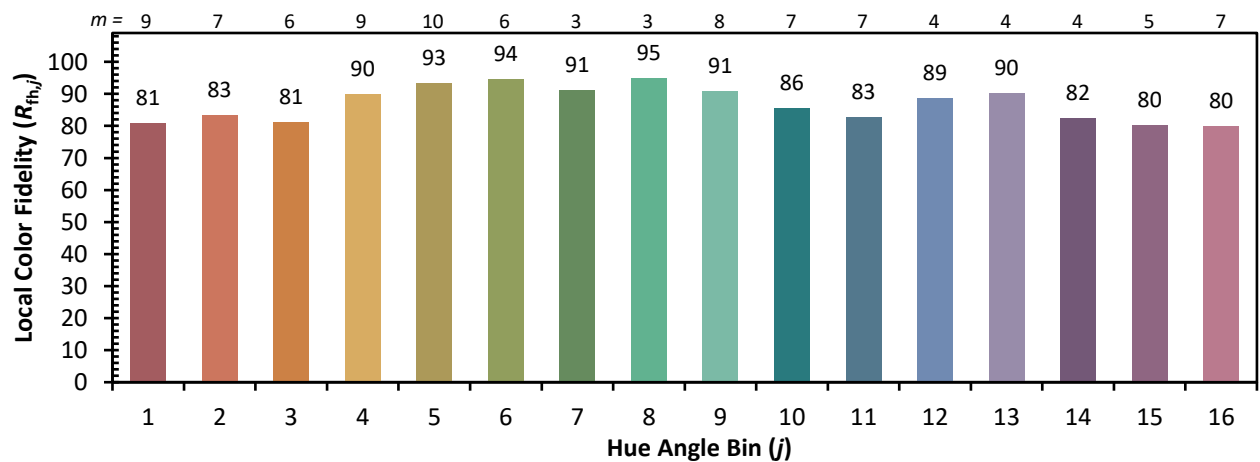
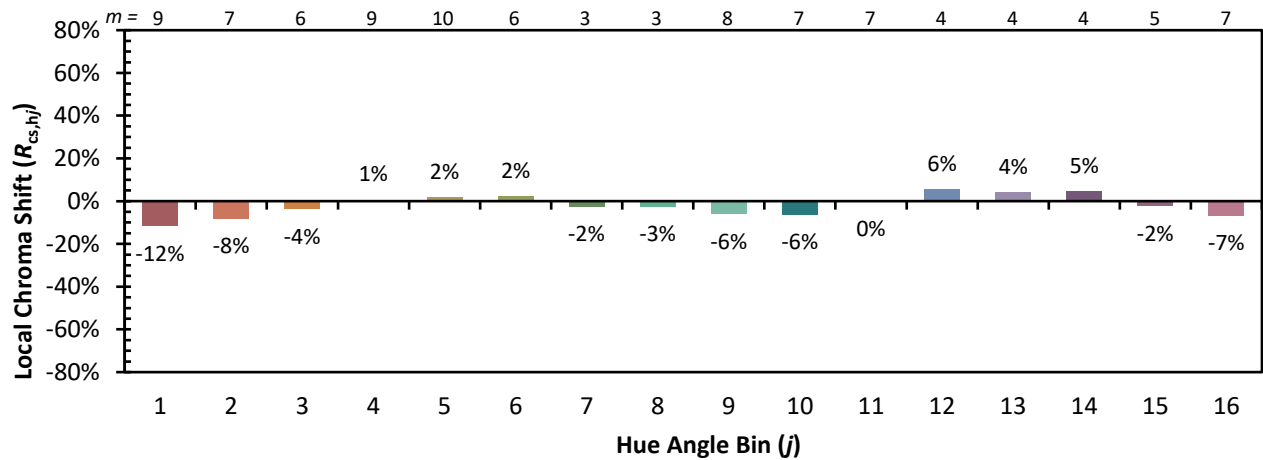


Individual Sample Fidelity Index (R_{fi})

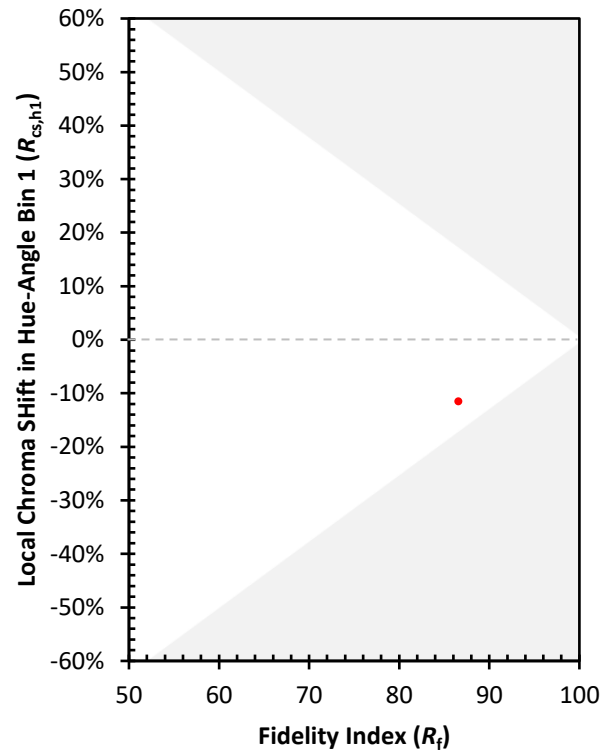
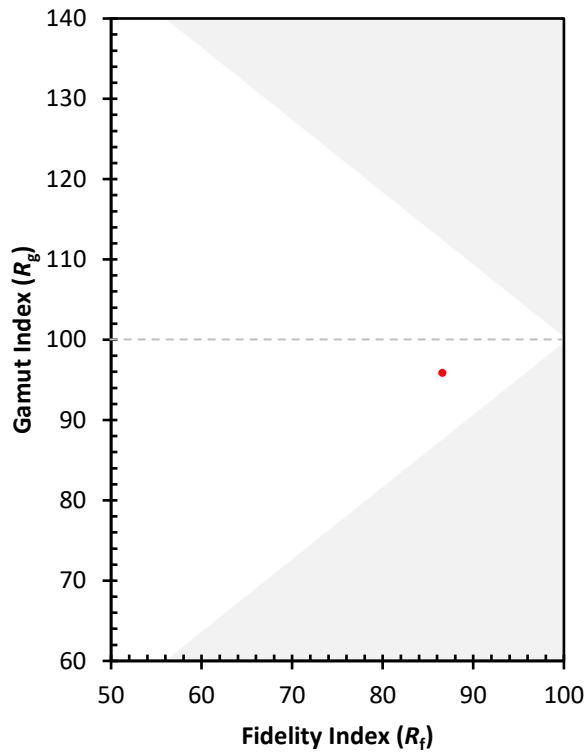
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 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)