

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: P1057653

Luminaire Tested: **GAP-SA1D-727-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057653
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1D-727-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 1200mA 1xLight Square PACKAGE 70CRI
2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4576.8 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

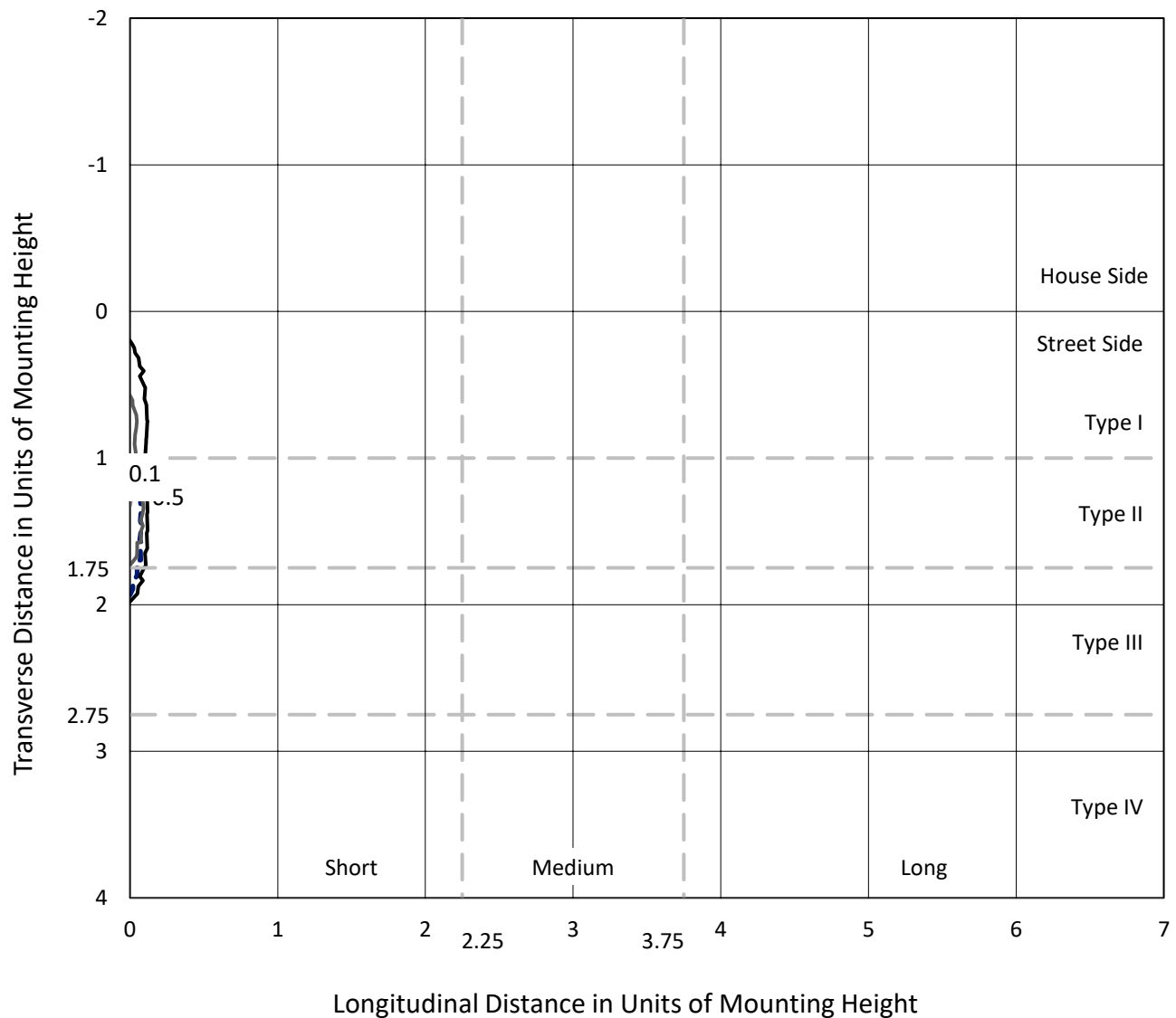


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

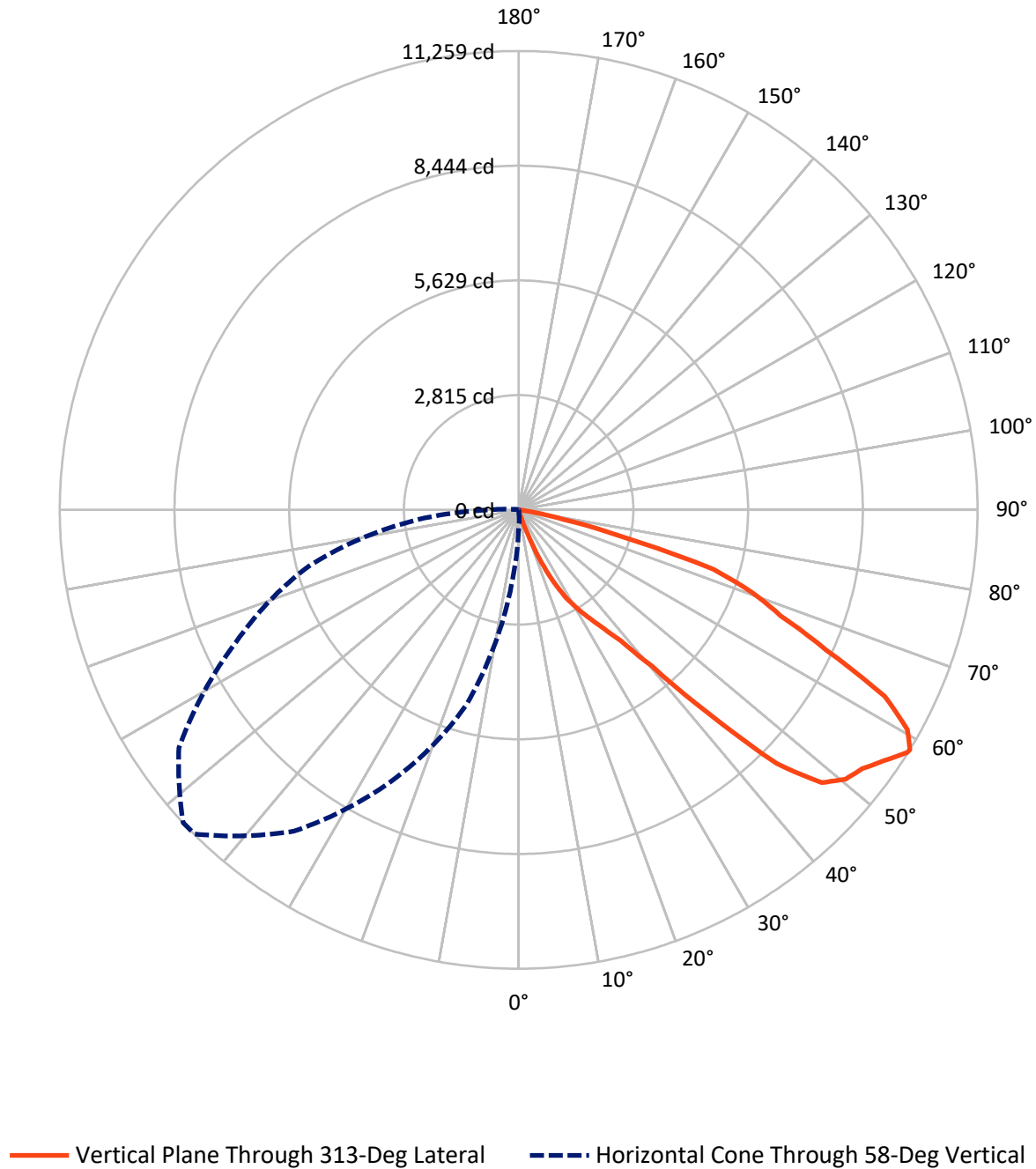


Based on 15 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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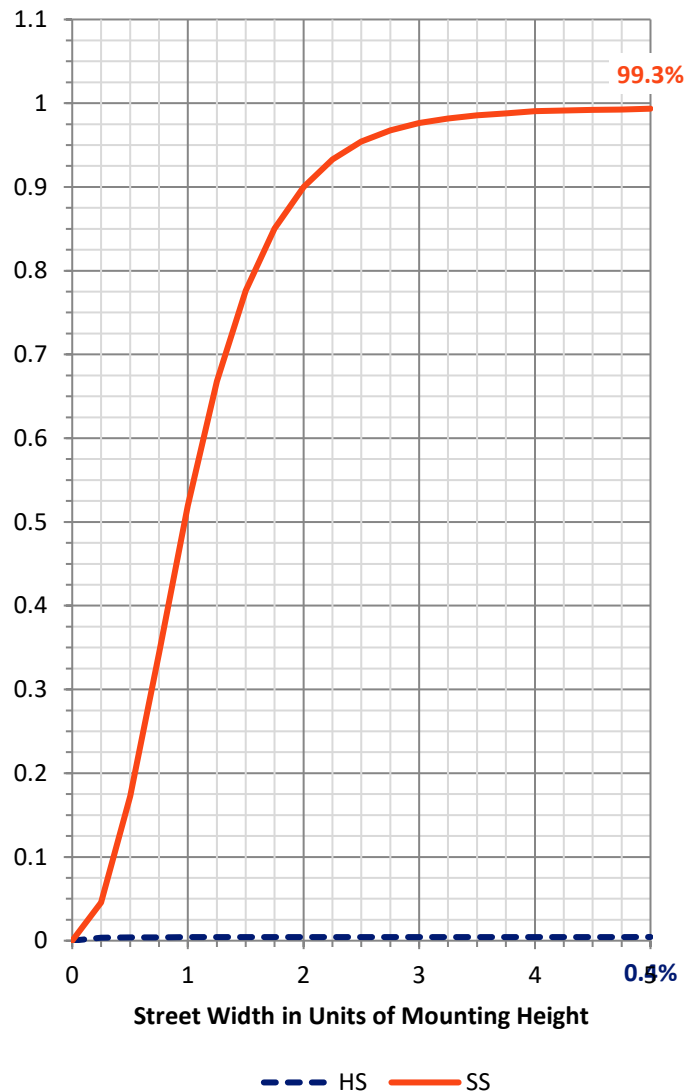
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20.5	0.0	20.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4556.3	0.0	4556.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	4576.8	0.0	4576.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	8.0	0.2
20°-30°	115.6	2.5
30°-40°	332.3	7.3
40°-50°	946.5	20.7
50°-60°	1488.8	32.5
60°-70°	1269.6	27.7
70°-80°	405.0	8.8
80°-90°	10.3	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°	4576.8	100.0
0°-180°	4576.8	100.0



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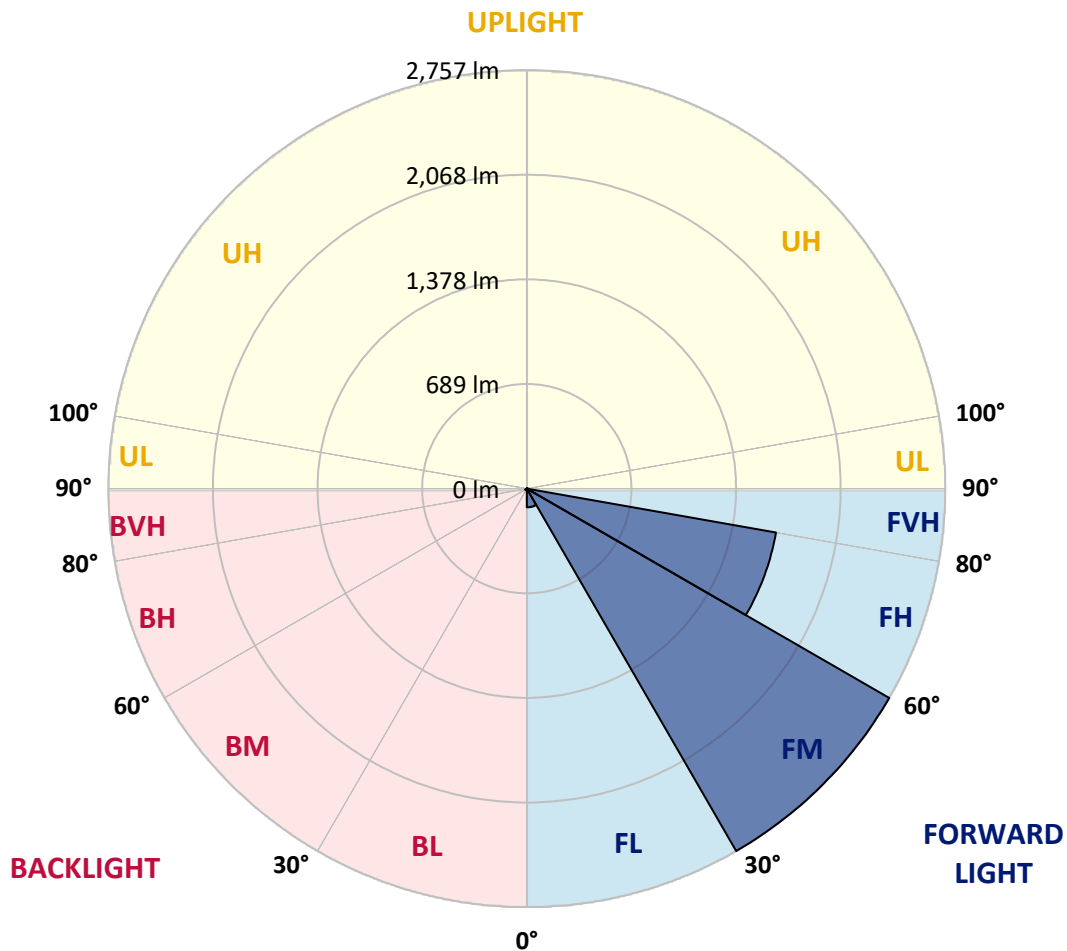
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.4	2.7			
FM	(30°-60°)	2756.7	60.2			
FH	(60°-80°)	1666.5	36.4			G1/1800
FVH	(80°-90°)	9.8	0.2			G0/10
BL	(0°-30°)	0.8	0.0	B0/110		
BM	(30°-60°)	11.0	0.2	B0/220		
BH	(60°-80°)	8.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	16.5	17.4	18.3	17.4	15.6	11.9	11.9	9.2	6.4	3.7	2.7
5°	18.3	18.3	18.3	17.4	15.6	11.9	11.0	8.2	5.5	3.7	1.8
7.5°	20.2	20.2	19.2	17.4	14.7	11.9	11.0	8.2	5.5	2.7	0.0
10°	22.0	22.0	20.2	18.3	14.7	11.0	10.1	7.3	4.6	1.8	0.0
12.5°	24.7	23.8	21.1	18.3	14.7	10.1	10.1	7.3	3.7	0.9	0.0
15°	28.4	25.6	22.0	18.3	13.7	10.1	9.2	6.4	2.7	0.0	0.0
17.5°	31.1	28.4	22.9	17.4	12.8	9.2	8.2	5.5	2.7	0.0	0.0
20°	33.9	29.3	22.9	17.4	12.8	8.2	7.3	4.6	0.9	0.0	0.0
22.5°	38.5	31.1	22.9	17.4	11.9	7.3	6.4	3.7	0.0	0.0	0.0
25°	47.6	33.0	22.9	16.5	11.0	6.4	5.5	1.8	0.0	0.0	0.0
27.5°	58.6	35.7	22.9	15.6	10.1	5.5	4.6	0.9	0.0	0.0	0.0
30°	70.5	38.5	22.9	15.6	9.2	4.6	3.7	0.0	0.0	0.0	0.0
32.5°	83.4	42.1	22.9	14.7	8.2	3.7	2.7	0.0	0.0	0.0	0.0
35°	107.2	47.6	22.9	14.7	7.3	2.7	1.8	0.0	0.0	0.0	0.0
37.5°	118.2	55.0	22.9	13.7	7.3	1.8	0.9	0.0	0.0	0.0	0.0
40°	122.7	53.1	22.0	13.7	6.4	0.9	0.0	0.0	0.0	0.0	0.0
42.5°	132.8	49.5	22.9	12.8	6.4	0.9	0.0	0.0	0.0	0.0	0.0
45°	162.1	49.5	24.7	12.8	5.5	1.8	0.0	0.0	0.0	0.0	0.0
47.5°	281.2	51.3	23.8	12.8	5.5	1.8	0.0	0.0	0.0	0.0	0.0
50°	462.6	60.5	22.9	13.7	6.4	0.9	0.0	0.0	0.0	0.0	0.0
52.5°	536.7	73.3	22.9	14.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0
55°	514.8	89.8	22.9	15.6	10.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	468.1	85.2	24.7	18.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0
58°	450.6	85.2	24.7	18.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	353.6	87.0	28.4	20.2	13.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	262.9	88.8	32.1	22.9	13.7	0.9	0.0	0.0	0.0	0.0	0.0
65°	195.1	92.5	33.9	26.6	12.8	1.8	0.0	0.0	0.0	0.0	0.0
67.5°	155.7	95.3	36.6	29.3	14.7	3.7	0.9	0.0	0.0	0.0	0.0
70°	133.7	91.6	39.4	30.2	13.7	5.5	2.7	0.0	0.0	0.0	0.0
72.5°	119.1	86.1	44.9	29.3	14.7	5.5	2.7	0.0	0.0	0.0	0.0
75°	107.2	78.8	51.3	28.4	14.7	5.5	3.7	0.0	0.0	0.0	0.0
77.5°	80.6	68.7	50.4	27.5	13.7	5.5	3.7	0.0	0.0	0.0	0.0
80°	40.3	45.8	44.0	24.7	11.0	4.6	3.7	0.9	0.0	0.0	0.0
82.5°	16.5	17.4	22.0	18.3	9.2	3.7	3.7	0.9	0.0	0.0	0.0
85°	1.8	3.7	6.4	7.3	6.4	3.7	3.7	0.9	0.0	0.0	0.0
87.5°	0.0	0.9	3.7	5.5	4.6	2.7	1.8	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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	0.9	1.8	1.8	1.8	2.7	2.7	3.7	4.6	4.6	4.6	5.5
5°	0.0	0.0	0.9	0.9	1.8	2.7	3.7	5.5	6.4	6.4	7.3
7.5°	0.0	0.0	0.0	0.9	1.8	2.7	3.7	5.5	7.3	8.2	9.2
10°	0.0	0.0	0.0	0.0	0.9	1.8	3.7	6.4	9.2	11.0	12.8
12.5°	0.0	0.0	0.0	0.0	0.0	0.9	3.7	7.3	11.0	13.7	15.6
15°	0.0	0.0	0.0	0.0	0.0	0.9	3.7	7.3	13.7	16.5	20.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	8.2	15.6	20.2	27.5
20°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	8.2	17.4	24.7	41.2
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	8.2	19.2	32.1	76.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	8.2	22.0	47.6	126.4
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	9.2	26.6	66.9	185.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	9.2	33.0	90.7	258.3
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.2	38.5	114.5	351.7
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	45.8	152.0	441.5
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	56.8	167.6	517.5
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	54.0	182.3	604.5
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	49.5	203.3	741.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	49.5	269.3	1043.3
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	60.5	419.5	1594.7
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	77.9	643.9	2270.7
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	94.3	792.3	2662.7
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	113.6	793.2	2649.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	126.4	709.9	2391.6
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	125.5	687.0	2320.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.2	109.9	596.3	2025.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	14.7	96.2	427.8	1678.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	7.3	16.5	87.9	310.5	1260.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.2	19.2	84.3	219.8	876.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	11.0	22.0	77.9	157.5	577.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.0	27.5	73.3	123.7	348.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	11.0	34.8	64.1	100.8	186.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.0	37.6	53.1	73.3	113.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	10.1	33.9	38.5	32.1	38.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	20.2	8.2	8.2	12.8
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):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	6.4	6.4	6.4	6.4	7.3	7.3	10.1	12.8	15.6	16.5
5°	8.2	9.2	10.1	10.1	10.1	11.0	12.8	14.7	17.4	18.3
7.5°	11.9	12.8	14.7	14.7	14.7	15.6	16.5	18.3	20.2	20.2
10°	15.6	18.3	19.2	20.2	21.1	21.1	21.1	22.0	22.9	22.0
12.5°	21.1	24.7	29.3	30.2	30.2	30.2	29.3	27.5	25.6	24.7
15°	29.3	40.3	55.0	60.5	57.7	51.3	44.9	34.8	30.2	28.4
17.5°	54.0	109.9	199.7	220.7	216.2	185.9	109.0	53.1	35.7	31.1
20°	145.6	355.4	586.2	642.1	671.4	556.0	321.5	123.7	44.0	33.9
22.5°	314.2	738.3	1144.0	1288.7	1297.9	1044.2	625.6	251.0	63.2	38.5
25°	505.6	1180.7	1733.9	1874.0	1876.8	1609.3	1000.2	406.7	96.2	47.6
27.5°	774.9	1655.1	2274.3	2390.6	2388.8	2117.7	1445.4	621.0	134.6	58.6
30°	1050.6	2025.2	2630.6	2775.3	2789.1	2464.8	1817.3	874.7	175.9	70.5
32.5°	1323.6	2299.0	2955.8	3148.1	3136.2	2771.7	2076.5	1082.7	246.4	83.4
35°	1538.8	2532.6	3315.8	3552.1	3561.2	3108.7	2306.4	1284.2	306.8	107.2
37.5°	1722.9	2834.0	3794.8	4067.8	4079.7	3528.3	2547.3	1482.0	359.1	118.2
40°	1950.1	3328.6	4588.0	5051.5	5053.3	4310.5	2980.5	1703.7	429.6	122.7
42.5°	2460.3	4388.3	6137.8	6803.7	6861.4	5933.6	3965.2	2184.6	540.4	132.8
45°	3480.6	5785.2	8114.4	8881.1	8954.4	7953.2	5653.3	3294.7	784.1	162.1
47.5°	4694.3	6999.7	9263.0	10001.3	10049.9	8908.6	6783.6	4578.9	1334.5	281.2
50°	5440.8	7449.5	9685.3	10389.7	10397.9	9222.7	7138.0	5245.7	1901.5	462.6
52.5°	5672.5	7507.2	9701.8	10553.6	10577.4	9186.1	7186.6	5380.3	2137.8	536.7
55°	5578.2	7473.3	9875.8	10866.9	10892.5	9335.4	7153.6	5232.8	2027.0	514.8
57.5°	5362.9	7605.2	10161.6	11238.8	11238.8	9611.1	7275.4	4985.5	1755.9	468.1
58°	5330.9	7638.1	10177.2	11258.9	11250.7	9628.5	7325.8	4949.8	1696.3	450.6
60°	5286.9	7739.8	10061.8	10961.2	10937.4	9505.8	7417.4	4917.8	1407.8	353.6
62.5°	5222.8	7510.8	9220.9	10085.6	10024.2	8645.7	7154.5	4730.0	1050.6	262.9
65°	4893.9	6665.4	7686.7	8285.7	8266.5	7112.4	6158.0	4237.2	756.6	195.1
67.5°	4125.5	5218.2	6209.3	6931.0	6935.6	5806.2	4816.1	3386.3	514.8	155.7
70°	2901.7	3848.8	5278.6	6081.9	6118.6	4870.1	3567.6	2256.9	339.8	133.7
72.5°	1733.0	2907.2	4389.3	4999.3	4980.0	4041.2	2647.1	1345.5	207.0	119.1
75°	839.9	1737.6	2218.4	2572.9	2558.3	2021.5	1410.6	659.5	151.1	107.2
77.5°	228.1	534.0	859.2	1117.5	1147.7	809.7	462.6	176.8	94.3	80.6
80°	76.9	164.9	280.3	381.0	391.1	349.9	174.0	62.3	41.2	40.3
82.5°	29.3	40.3	51.3	45.8	45.8	47.6	37.6	26.6	19.2	16.5
85°	0.0	0.0	0.9	1.8	1.8	2.7	2.7	2.7	1.8	1.8
87.5°	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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

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

REPORT NUMBER: SP1-2407-184-3

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: SP1-2407-184-3

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

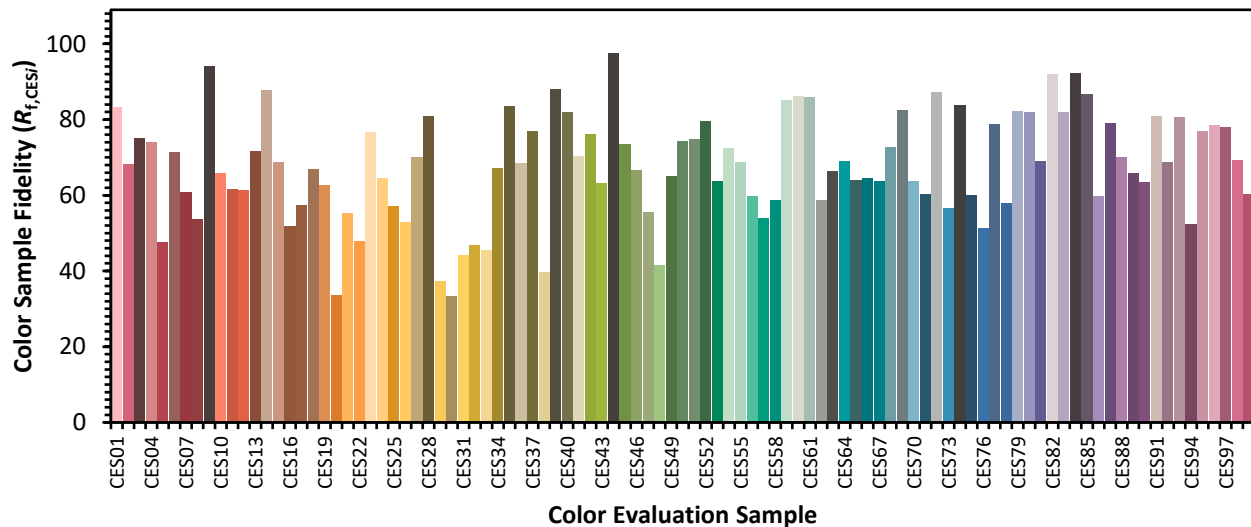


Color Vector Graphics

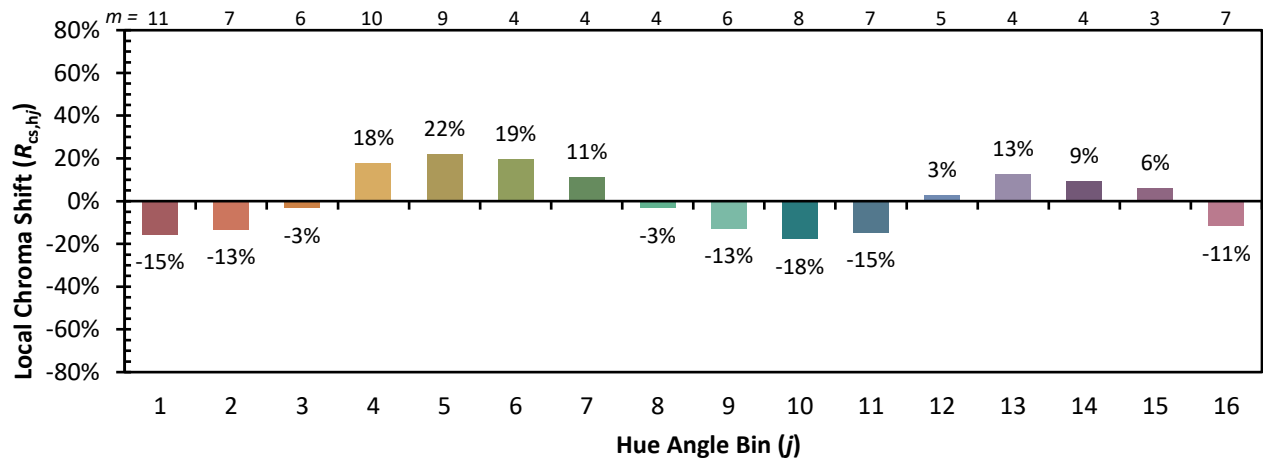


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)