

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: McGRAW-EDISON

Report Number: P991279

Luminaire Tested: **GPC-SA2A-760-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991279
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA2A-760-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 2xLight Square PACKAGE 70CRI
5700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6181.9 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.6
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: 24 FT



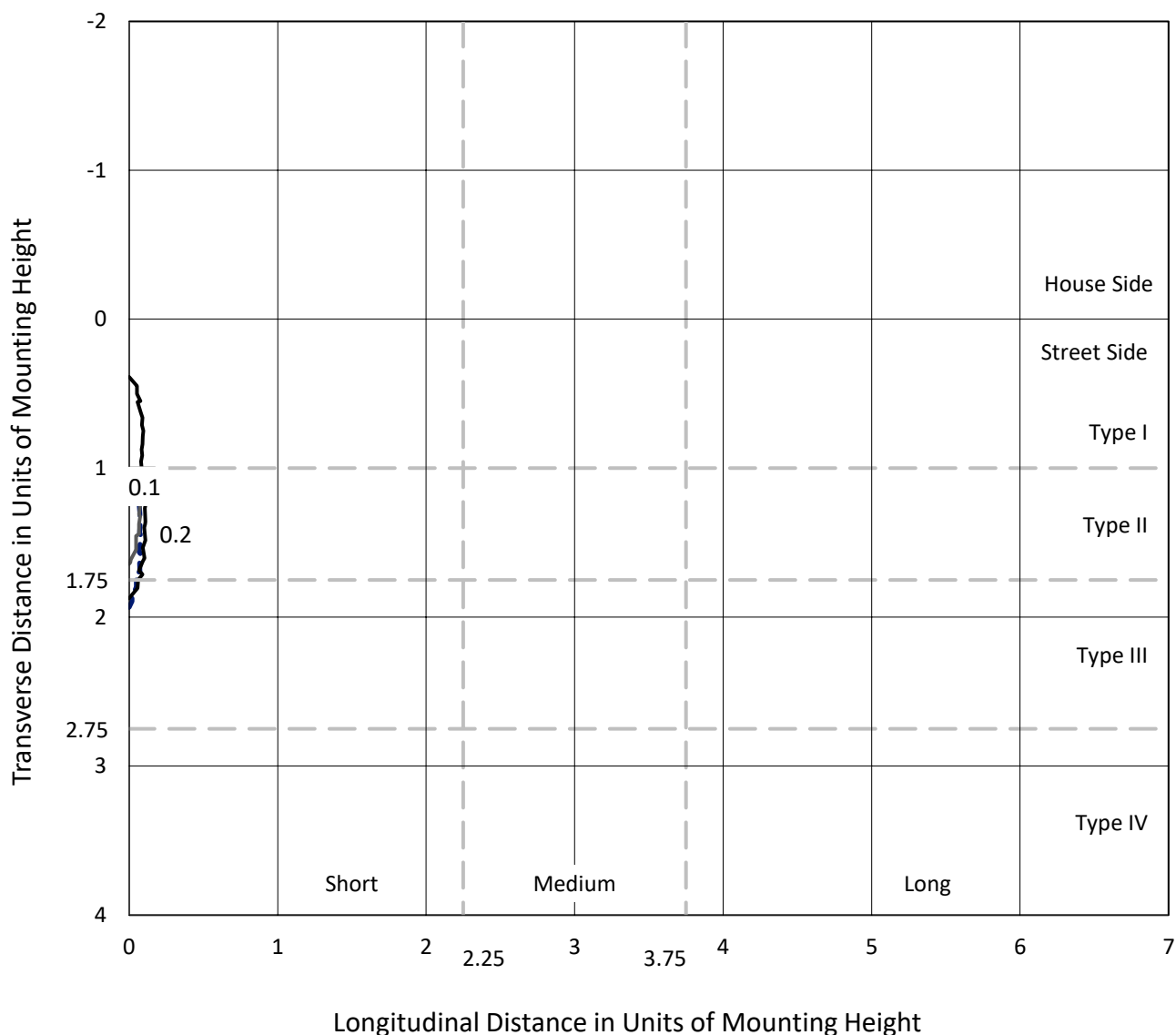
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



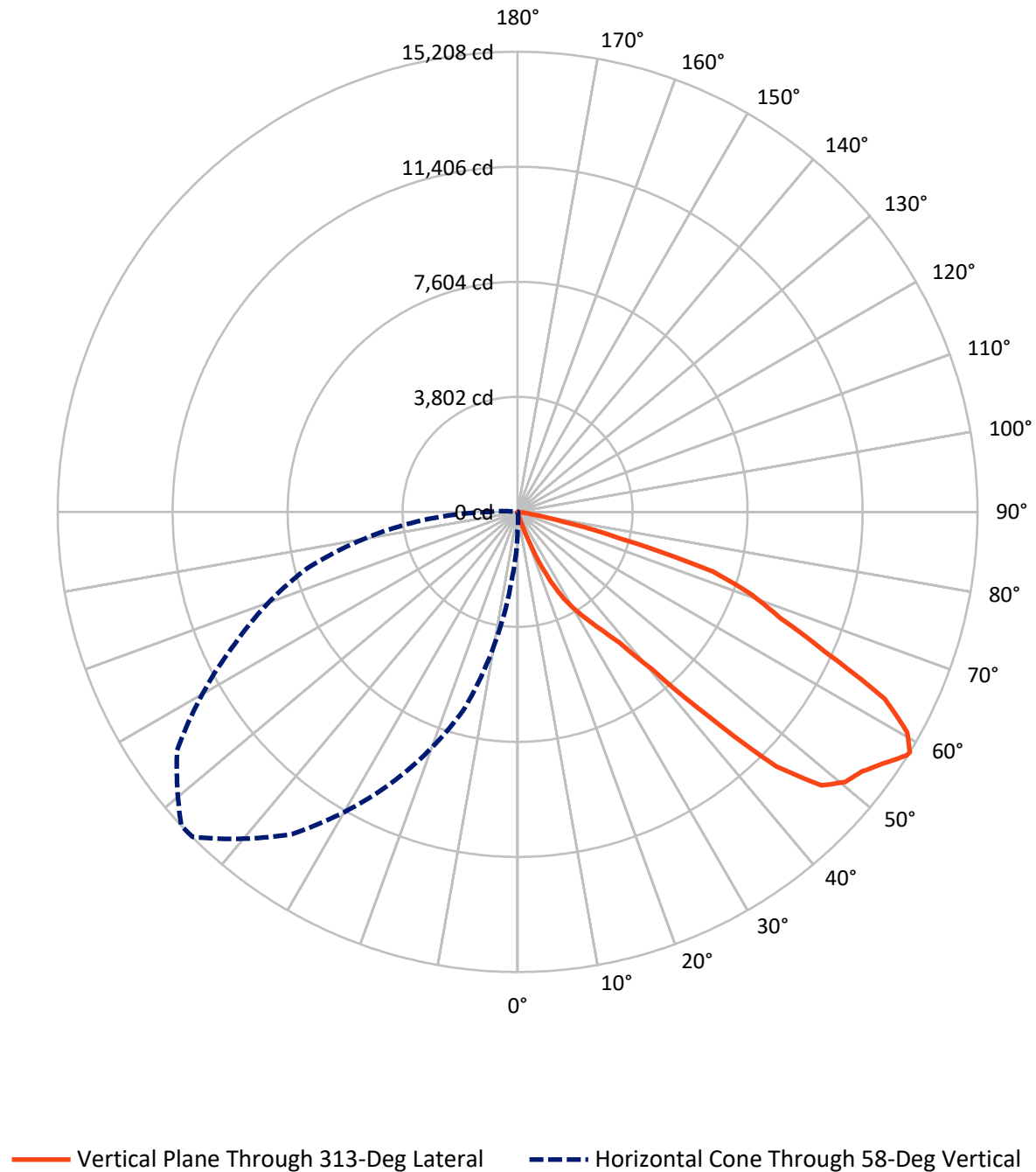
Based on 20 foot mounting height. Maximum calculated value = 0.4 fc

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	27.6	0.0	27.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6154.2	0.0	6154.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	6181.9	0.0	6181.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	10.7	0.2
20°-30°	156.1	2.5
30°-40°	448.8	7.3
40°-50°	1278.5	20.7
50°-60°	2011.0	32.5
60°-70°	1714.9	27.7
70°-80°	547.0	8.8
80°-90°	13.9	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°	6181.9	100.0
0°-180°	6181.9	100.0



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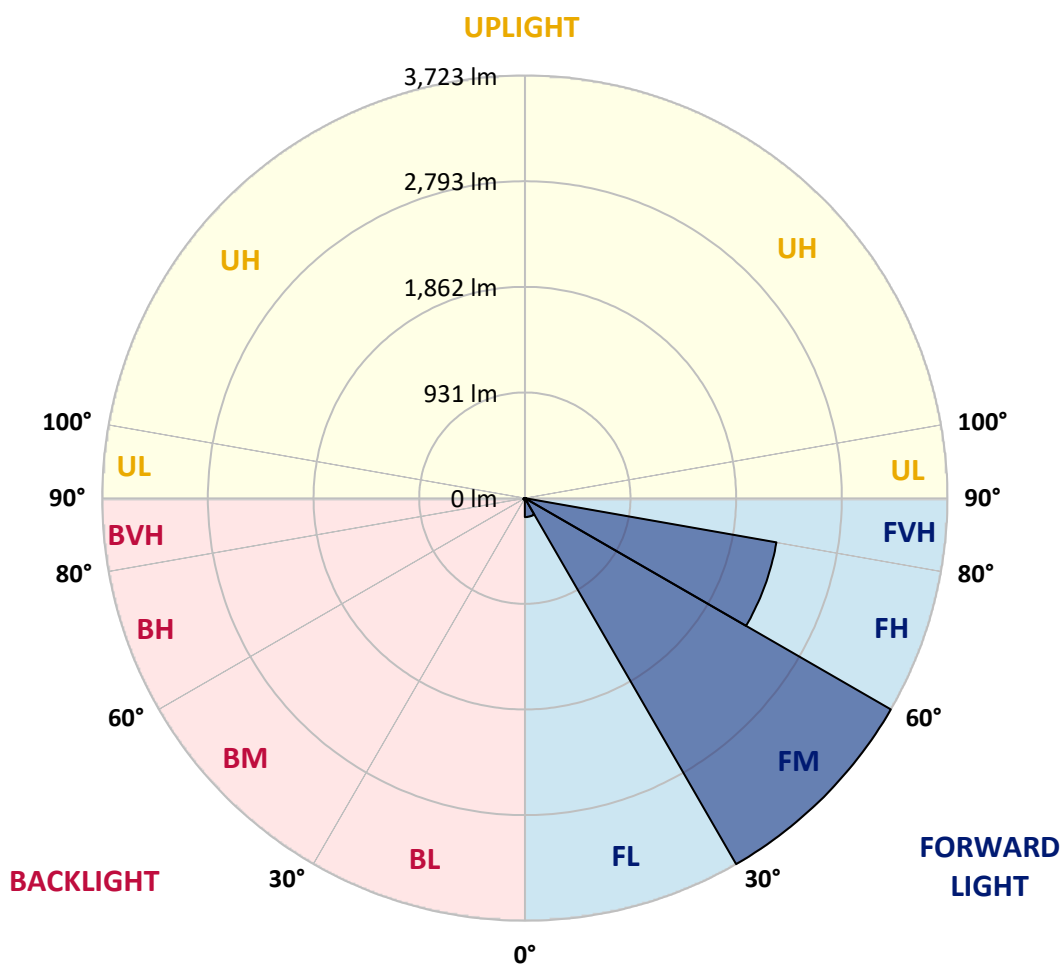
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.7	2.7			
FM	(30°-60°)	3723.5	60.2			
FH	(60°-80°)	2251.0	36.4			G2/5000
FVH	(80°-90°)	13.2	0.2			G1/100
BL	(0°-30°)	1.1	0.0	B0/110		
BM	(30°-60°)	14.8	0.2	B0/220		
BH	(60°-80°)	11.0	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	45°	47°	55°	65°	75°	85°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	22.3	23.5	24.7	23.5	21.0	16.1	16.1	12.4	8.7	4.9	3.7
5°	24.7	24.7	24.7	23.5	21.0	16.1	14.8	11.1	7.4	4.9	2.5
7.5°	27.2	27.2	26.0	23.5	19.8	16.1	14.8	11.1	7.4	3.7	0.0
10°	29.7	29.7	27.2	24.7	19.8	14.8	13.6	9.9	6.2	2.5	0.0
12.5°	33.4	32.2	28.5	24.7	19.8	13.6	13.6	9.9	4.9	1.2	0.0
15°	38.4	34.6	29.7	24.7	18.6	13.6	12.4	8.7	3.7	0.0	0.0
17.5°	42.1	38.4	30.9	23.5	17.3	12.4	11.1	7.4	3.7	0.0	0.0
20°	45.8	39.6	30.9	23.5	17.3	11.1	9.9	6.2	1.2	0.0	0.0
22.5°	52.0	42.1	30.9	23.5	16.1	9.9	8.7	4.9	0.0	0.0	0.0
25°	64.3	44.5	30.9	22.3	14.8	8.7	7.4	2.5	0.0	0.0	0.0
27.5°	79.2	48.3	30.9	21.0	13.6	7.4	6.2	1.2	0.0	0.0	0.0
30°	95.3	52.0	30.9	21.0	12.4	6.2	4.9	0.0	0.0	0.0	0.0
32.5°	112.6	56.9	30.9	19.8	11.1	4.9	3.7	0.0	0.0	0.0	0.0
35°	144.8	64.3	30.9	19.8	9.9	3.7	2.5	0.0	0.0	0.0	0.0
37.5°	159.6	74.2	30.9	18.6	9.9	2.5	1.2	0.0	0.0	0.0	0.0
40°	165.8	71.8	29.7	18.6	8.7	1.2	0.0	0.0	0.0	0.0	0.0
42.5°	179.4	66.8	30.9	17.3	8.7	1.2	0.0	0.0	0.0	0.0	0.0
45°	219.0	66.8	33.4	17.3	7.4	2.5	0.0	0.0	0.0	0.0	0.0
47.5°	379.8	69.3	32.2	17.3	7.4	2.5	0.0	0.0	0.0	0.0	0.0
50°	624.8	81.7	30.9	18.6	8.7	1.2	0.0	0.0	0.0	0.0	0.0
52.5°	725.0	99.0	30.9	19.8	11.1	0.0	0.0	0.0	0.0	0.0	0.0
55°	695.3	121.2	30.9	21.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	632.2	115.1	33.4	24.7	17.3	0.0	0.0	0.0	0.0	0.0	0.0
58°	608.7	115.1	33.4	24.7	17.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	477.6	117.5	38.4	27.2	18.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	355.1	120.0	43.3	30.9	18.6	1.2	0.0	0.0	0.0	0.0	0.0
65°	263.5	125.0	45.8	35.9	17.3	2.5	0.0	0.0	0.0	0.0	0.0
67.5°	210.3	128.7	49.5	39.6	19.8	4.9	1.2	0.0	0.0	0.0	0.0
70°	180.6	123.7	53.2	40.8	18.6	7.4	3.7	0.0	0.0	0.0	0.0
72.5°	160.8	116.3	60.6	39.6	19.8	7.4	3.7	0.0	0.0	0.0	0.0
75°	144.8	106.4	69.3	38.4	19.8	7.4	4.9	0.0	0.0	0.0	0.0
77.5°	108.9	92.8	68.0	37.1	18.6	7.4	4.9	0.0	0.0	0.0	0.0
80°	54.4	61.9	59.4	33.4	14.8	6.2	4.9	1.2	0.0	0.0	0.0
82.5°	22.3	23.5	29.7	24.7	12.4	4.9	4.9	1.2	0.0	0.0	0.0
85°	2.5	4.9	8.7	9.9	8.7	4.9	4.9	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	4.9	7.4	6.2	3.7	2.5	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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	1.2	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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	1.2	2.5	2.5	2.5	3.7	3.7	4.9	6.2	6.2	6.2	7.4
5°	0.0	0.0	1.2	1.2	2.5	3.7	4.9	7.4	8.7	8.7	9.9
7.5°	0.0	0.0	0.0	1.2	2.5	3.7	4.9	7.4	9.9	11.1	12.4
10°	0.0	0.0	0.0	0.0	1.2	2.5	4.9	8.7	12.4	14.8	17.3
12.5°	0.0	0.0	0.0	0.0	0.0	1.2	4.9	9.9	14.8	18.6	21.0
15°	0.0	0.0	0.0	0.0	0.0	1.2	4.9	9.9	18.6	22.3	27.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	11.1	21.0	27.2	37.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.1	23.5	33.4	55.7
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.1	26.0	43.3	102.7
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	11.1	29.7	64.3	170.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	12.4	35.9	90.3	249.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	12.4	44.5	122.5	348.9
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	12.4	52.0	154.6	475.1
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	61.9	205.4	596.3
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	76.7	226.4	699.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	73.0	246.2	816.5
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	66.8	274.7	1000.9
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	66.8	363.7	1409.2
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	81.7	566.6	2153.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	105.2	869.7	3067.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	127.4	1070.2	3596.5
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	153.4	1071.4	3579.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	170.7	958.8	3230.3
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	169.5	927.9	3133.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	12.4	148.5	805.4	2735.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	19.8	129.9	577.8	2267.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	9.9	22.3	118.8	419.4	1702.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	26.0	113.8	296.9	1184.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	29.7	105.2	212.8	779.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	37.1	99.0	167.0	470.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	47.0	86.6	136.1	252.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	50.7	71.8	99.0	153.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	13.6	45.8	52.0	43.3	52.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.4	27.2	11.1	11.1	17.3
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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	8.7	8.7	8.7	8.7	9.9	9.9	13.6	17.3	21.0	22.3
5°	11.1	12.4	13.6	13.6	13.6	14.8	17.3	19.8	23.5	24.7
7.5°	16.1	17.3	19.8	19.8	19.8	21.0	22.3	24.7	27.2	27.2
10°	21.0	24.7	26.0	27.2	28.5	28.5	28.5	29.7	30.9	29.7
12.5°	28.5	33.4	39.6	40.8	40.8	40.8	39.6	37.1	34.6	33.4
15°	39.6	54.4	74.2	81.7	77.9	69.3	60.6	47.0	40.8	38.4
17.5°	73.0	148.5	269.7	298.2	292.0	251.1	147.2	71.8	48.3	42.1
20°	196.7	480.0	791.8	867.3	906.9	751.0	434.3	167.0	59.4	45.8
22.5°	424.4	997.2	1545.2	1740.7	1753.1	1410.4	845.0	339.0	85.4	52.0
25°	682.9	1594.7	2342.0	2531.3	2535.0	2173.7	1351.0	549.3	129.9	64.3
27.5°	1046.7	2235.6	3071.9	3229.1	3226.6	2860.4	1952.3	838.8	181.9	79.2
30°	1419.1	2735.4	3553.2	3748.7	3767.2	3329.3	2454.6	1181.5	237.5	95.3
32.5°	1787.7	3105.3	3992.4	4252.2	4236.1	3743.7	2804.7	1462.4	332.8	112.6
35°	2078.5	3420.8	4478.6	4797.8	4810.2	4199.0	3115.2	1734.5	414.5	144.8
37.5°	2327.1	3827.9	5125.7	5494.3	5510.4	4765.6	3440.6	2001.8	485.0	159.6
40°	2634.0	4495.9	6197.1	6823.1	6825.6	5822.2	4025.8	2301.2	580.2	165.8
42.5°	3323.1	5927.4	8290.4	9189.8	9267.8	8014.5	5355.8	2950.7	729.9	179.4
45°	4701.3	7814.1	10960.2	11995.8	12094.7	10742.5	7635.9	4450.2	1059.0	219.0
47.5°	6340.6	9454.6	12511.7	13508.8	13574.4	12032.9	9162.6	6184.7	1802.6	379.8
50°	7348.9	10062.0	13082.0	14033.4	14044.5	12457.2	9641.4	7085.4	2568.4	624.8
52.5°	7661.9	10140.0	13104.3	14254.9	14287.0	12407.7	9707.0	7267.2	2887.6	725.0
55°	7534.5	10094.2	13339.3	14678.0	14712.6	12609.4	9662.4	7068.0	2737.9	695.3
57.5°	7243.7	10272.4	13725.3	15180.3	15180.3	12981.8	9827.0	6734.0	2371.7	632.2
58°	7200.4	10316.9	13746.4	15207.5	15196.4	13005.3	9895.0	6685.8	2291.3	608.7
60°	7141.0	10454.2	13590.5	14805.4	14773.2	12839.5	10018.7	6642.5	1901.6	477.6
62.5°	7054.4	10144.9	12454.8	13622.7	13539.8	11677.8	9663.7	6388.8	1419.1	355.1
65°	6610.3	9003.0	10382.5	11191.6	11165.6	9606.8	8317.6	5723.2	1021.9	263.5
67.5°	5572.3	7048.3	8386.9	9361.8	9368.0	7842.5	6505.1	4573.9	695.3	210.3
70°	3919.4	5198.7	7129.9	8214.9	8264.4	6578.1	4818.8	3048.4	459.0	180.6
72.5°	2340.8	3926.8	5928.6	6752.6	6726.6	5458.5	3575.5	1817.4	279.6	160.8
75°	1134.5	2346.9	2996.5	3475.3	3455.5	2730.5	1905.3	890.8	204.1	144.8
77.5°	308.1	721.3	1160.5	1509.4	1550.2	1093.7	624.8	238.8	127.4	108.9
80°	103.9	222.7	378.6	514.7	528.3	472.6	235.1	84.1	55.7	54.4
82.5°	39.6	54.4	69.3	61.9	61.9	64.3	50.7	35.9	26.0	22.3
85°	0.0	0.0	1.2	2.5	2.5	3.7	3.7	3.7	2.5	2.5
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: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-7
 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-757-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5700K CCT 26 LEDS

Spectral Parameters

CCT (K):	5571	CRI (Ra):	69.9		
CIE u':	0.2033	R1:	68.8	R9:	-35.4
CIE v':	0.4806	R2:	72.5	R10:	36.7
Duv:	0.0041	R3:	76.8	R11:	73.9
CIE x:	0.3308	R4:	72.0	R12:	47.8
CIE y:	0.3476	R5:	70.9	R13:	68.0
CIE z:	0.3216	R6:	65.6	R14:	87.0
Peak Wavelength (nm):	442	R7:	75.5	R15:	59.8
Dominant Wavelength (nm):	544	R8:	56.8		
Purity:	3.635698				
Rf:	70.4				
Rg:	97.1				



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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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



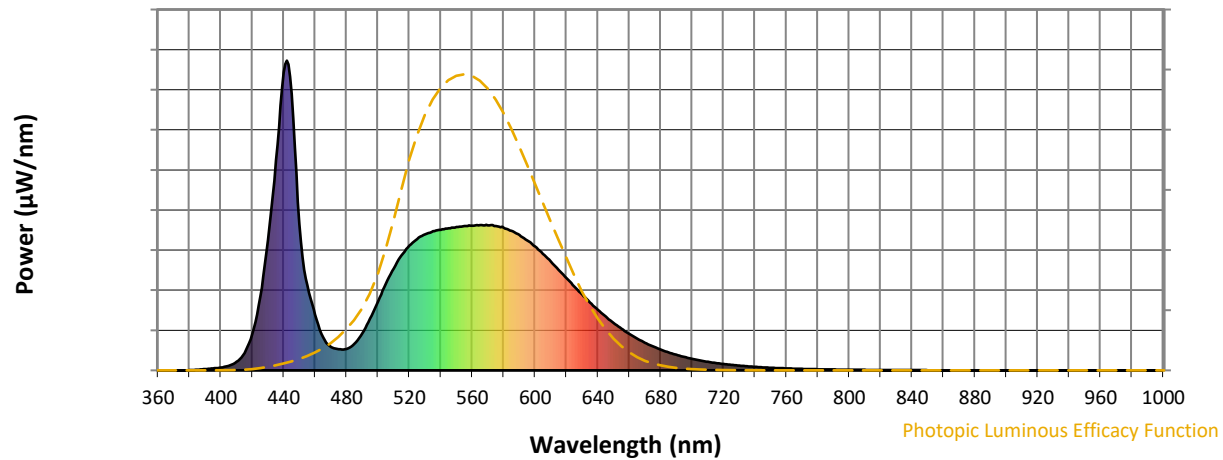
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5700K 4-step quadrangle

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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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



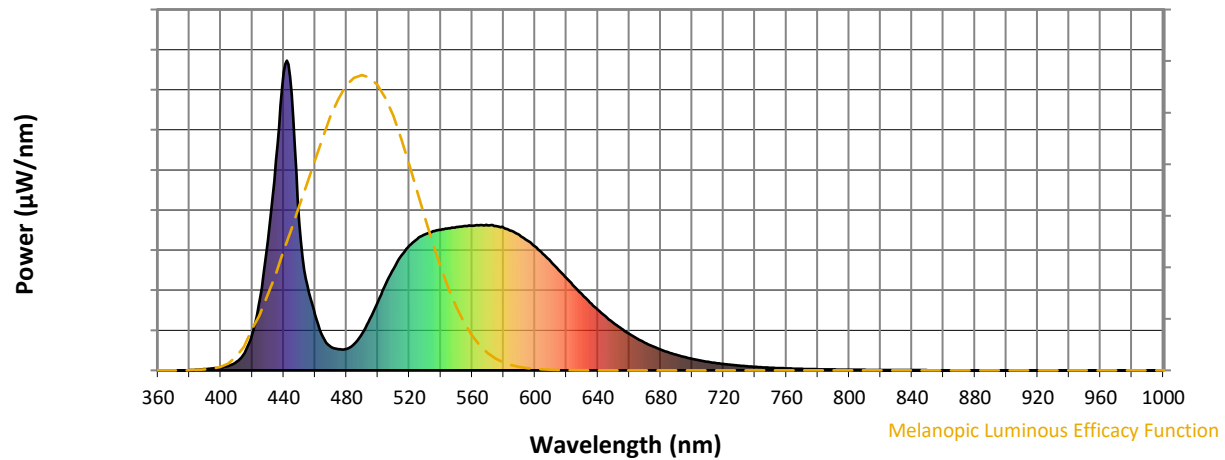
Scotopic Lumens: NR

S/P: 1.84

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.71

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

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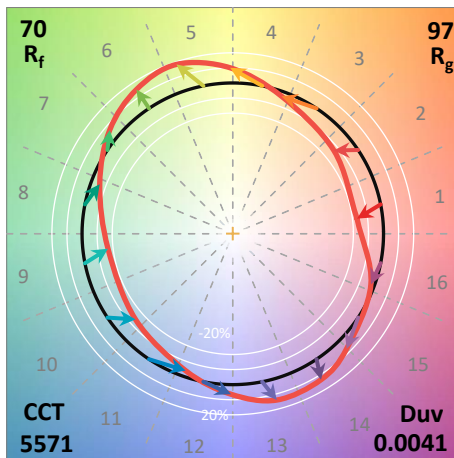
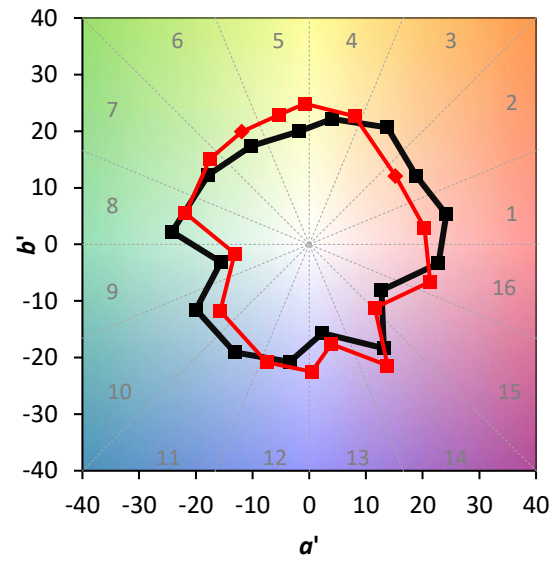
TM-30-18

Summary

$R_f = 70.4$
 $R_g = 97.1$
 $\text{CIE } R_a = 69.9$
 $R_g = -35.4$

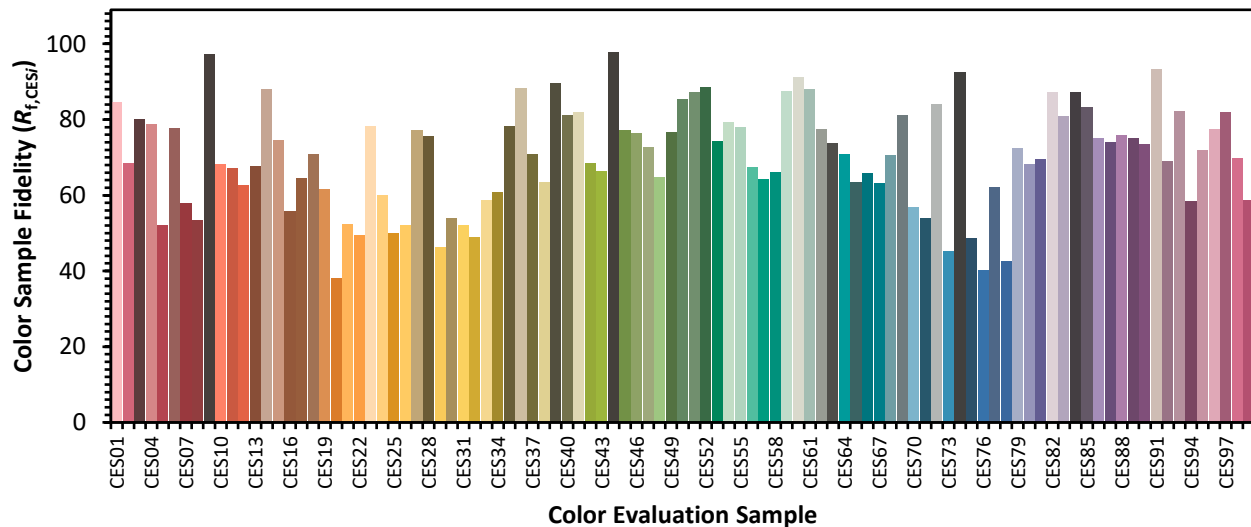


Color Vector Graphics

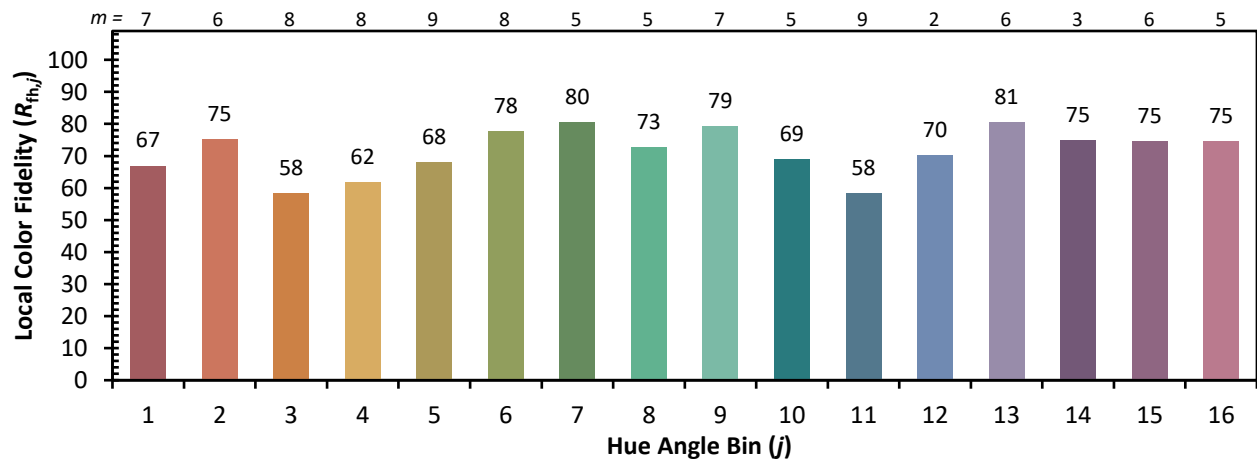
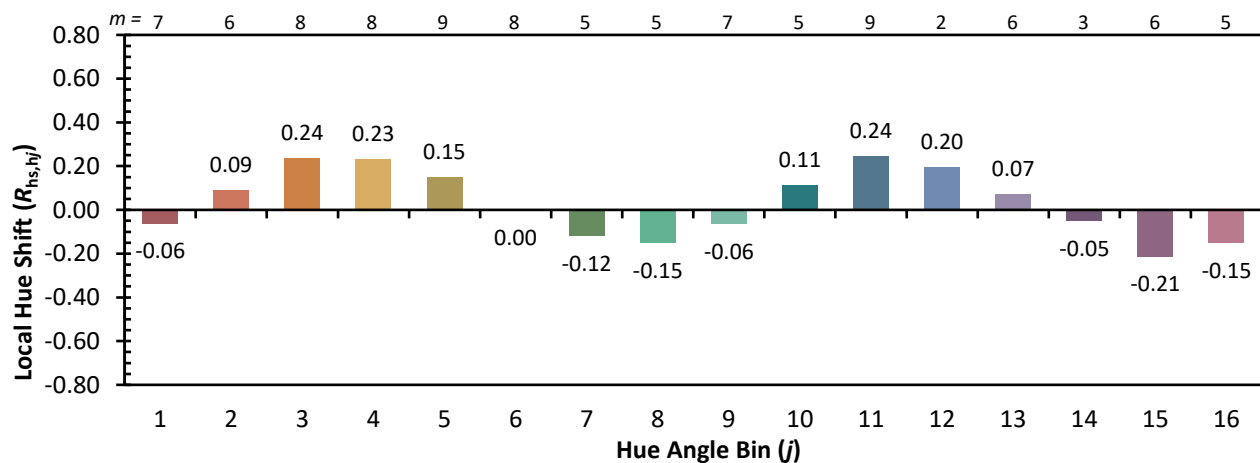
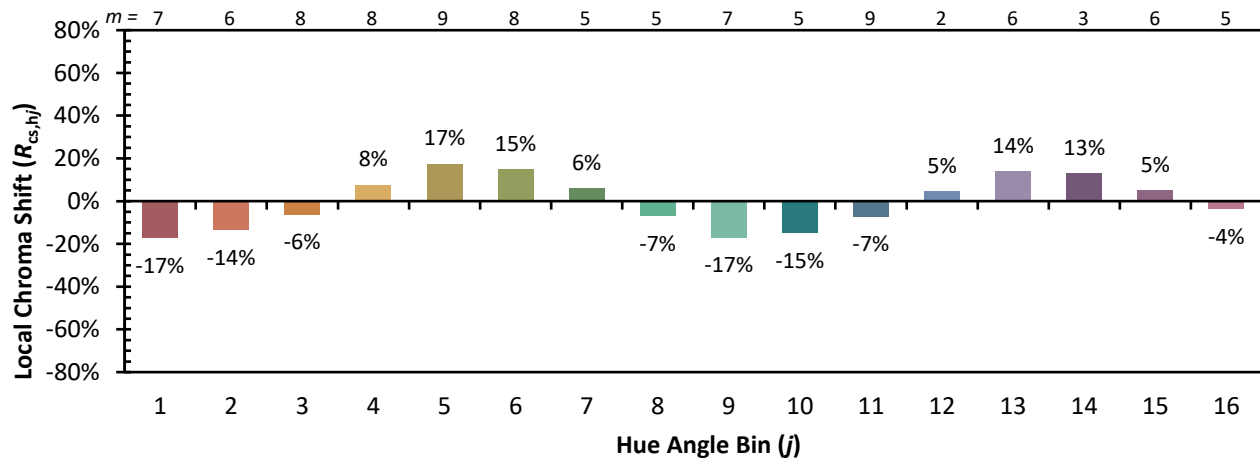


Individual Sample Fidelity Index ($R_{f,i}$)

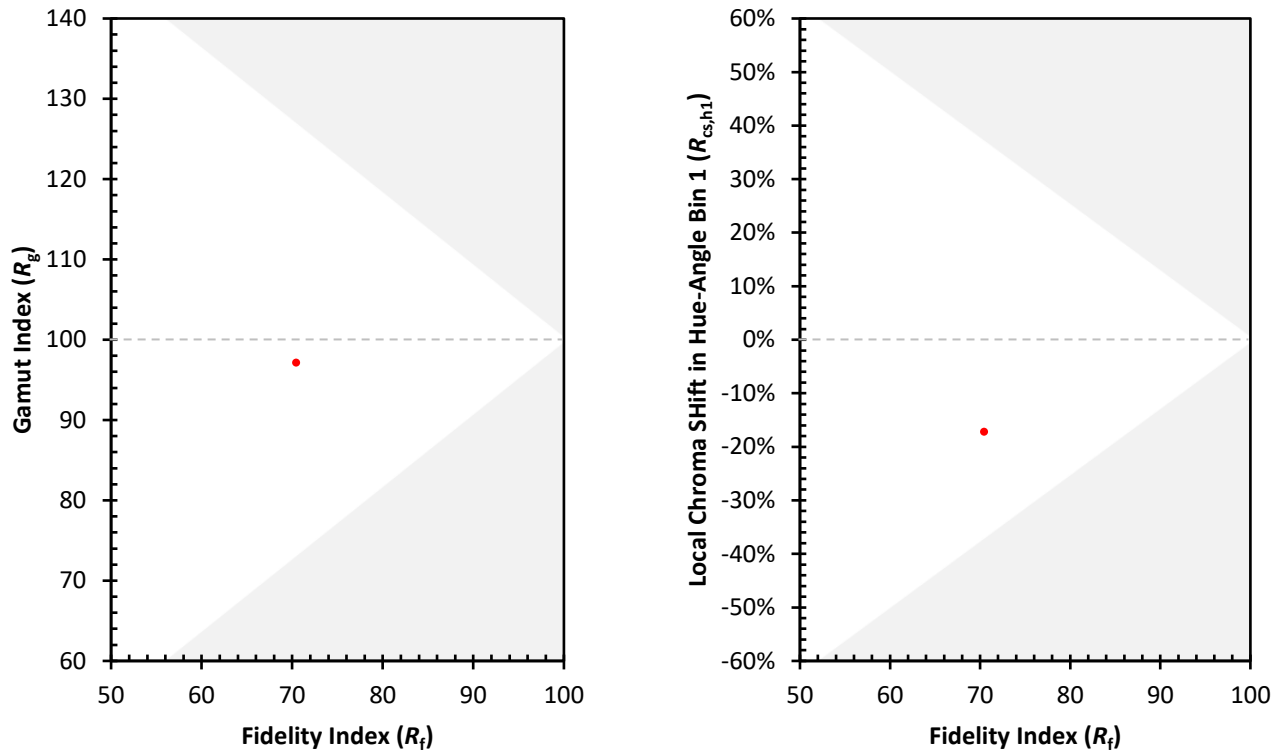
CES01 = 85	CES26 = 52	CES51 = 87	CES76 = 40
CES02 = 59	CES27 = 77	CES52 = 88	CES77 = 62
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 43
CES04 = 68	CES29 = 46	CES54 = 79	CES79 = 72
CES05 = 45	CES30 = 54	CES55 = 78	CES80 = 68
CES06 = 49	CES31 = 52	CES56 = 67	CES81 = 70
CES07 = 38	CES32 = 49	CES57 = 64	CES82 = 87
CES08 = 37	CES33 = 59	CES58 = 66	CES83 = 81
CES09 = 29	CES34 = 61	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 78	CES60 = 91	CES85 = 83
CES11 = 55	CES36 = 88	CES61 = 88	CES86 = 75
CES12 = 61	CES37 = 71	CES62 = 77	CES87 = 74
CES13 = 41	CES38 = 64	CES63 = 74	CES88 = 76
CES14 = 74	CES39 = 90	CES64 = 71	CES89 = 75
CES15 = 70	CES40 = 81	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 82	CES66 = 66	CES91 = 93
CES17 = 48	CES42 = 69	CES67 = 63	CES92 = 69
CES18 = 55	CES43 = 67	CES68 = 71	CES93 = 82
CES19 = 70	CES44 = 98	CES69 = 81	CES94 = 58
CES20 = 63	CES45 = 77	CES70 = 57	CES95 = 72
CES21 = 85	CES46 = 76	CES71 = 54	CES96 = 78
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 45	CES98 = 70
CES24 = 90	CES49 = 77	CES74 = 92	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)