

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: P1049543

Luminaire Tested: **GALN-SA3C-727-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049543
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-727-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
70CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

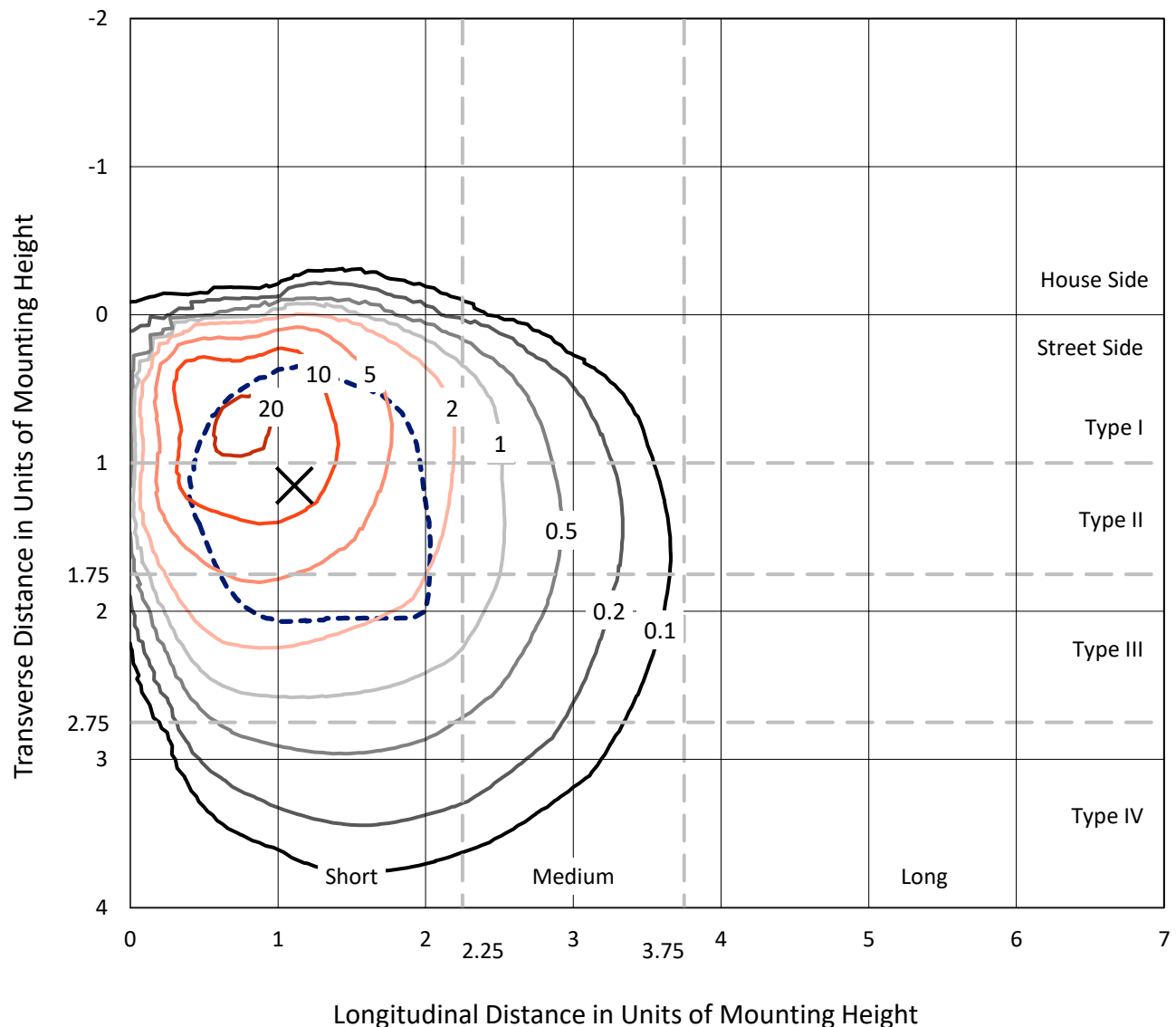
Lumens per Lamp: N/A
Luminaire Lumens: 14057.6 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

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

REPORT NUMBER: P1049543
 CATALOG NUMBER: GALN-SA3C-727-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

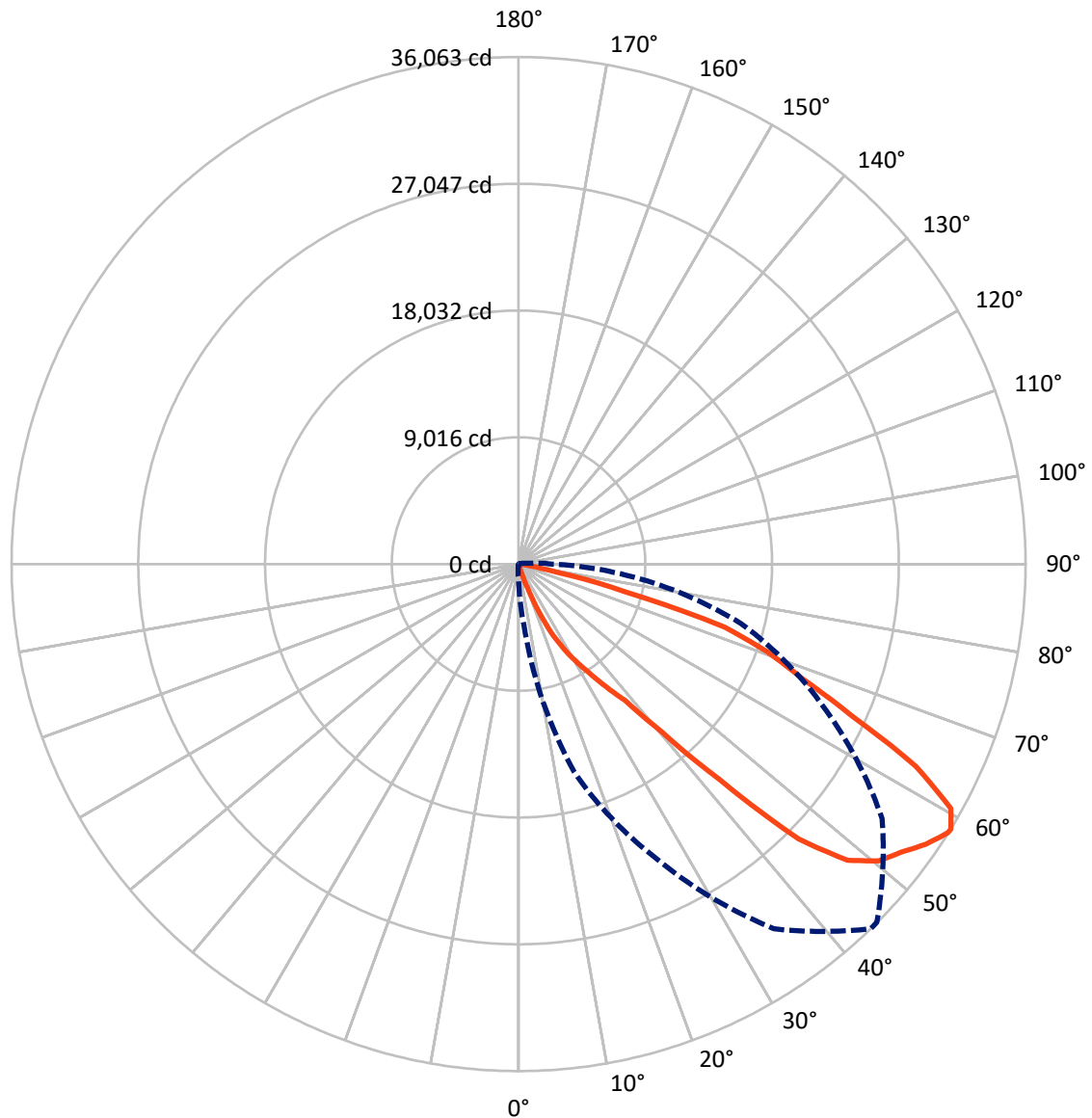
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 24.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1049543
CATALOG NUMBER: GALN-SA3C-727-U-LBC

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1049543

CATALOG NUMBER: GALN-SA3C-727-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	96.0	0.0	96.0
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	13961.6	0.0	13961.6
	% Fixture	99.3	0.0	99.3
Total	Lumens	14057.6	0.0	14057.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.0
10°-20°	30.8	0.2
20°-30°	333.0	2.4
30°-40°	984.9	7.0
40°-50°	2935.5	20.9
50°-60°	4657.9	33.1
60°-70°	3885.2	27.6
70°-80°	1198.3	8.5
80°-90°	26.6	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°	14057.6	100.0
0°-180°	14057.6	100.0



REPORT NUMBER: P1049543

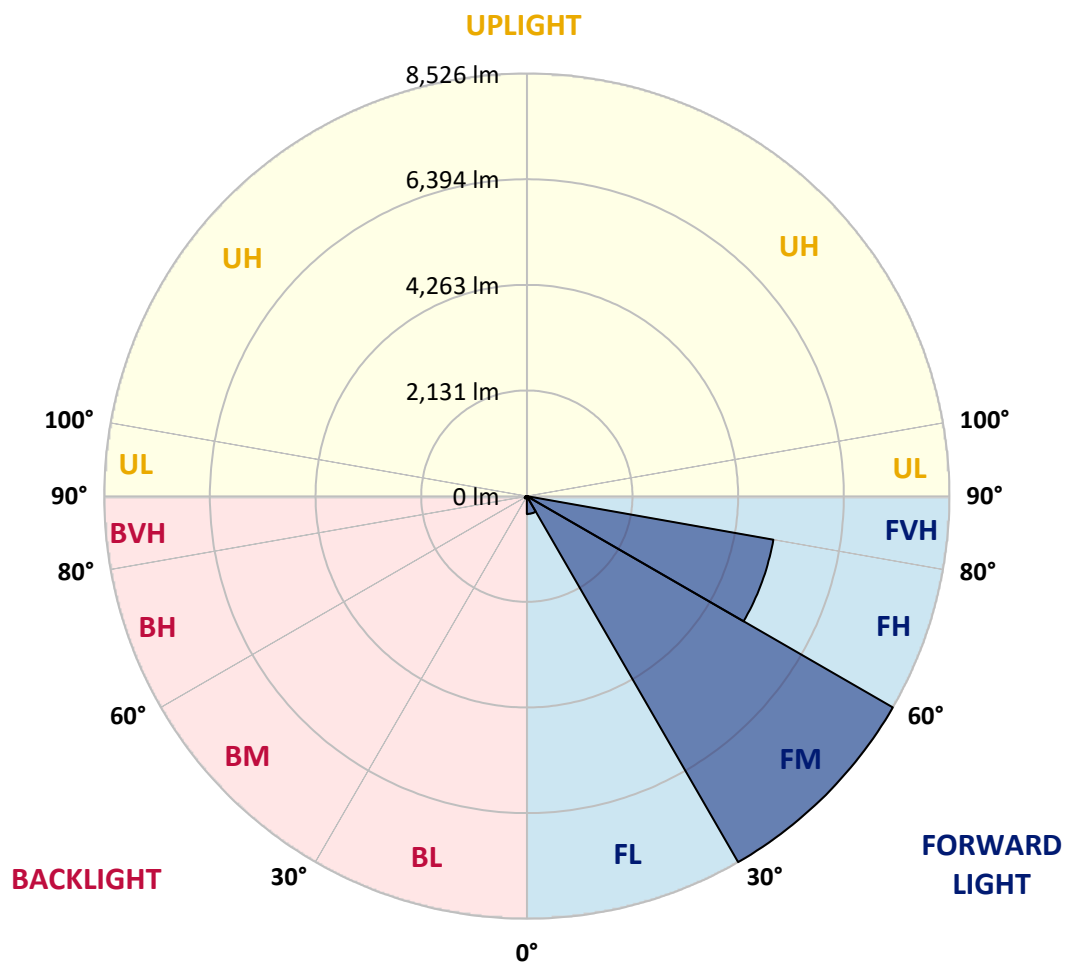
CATALOG NUMBER: GALN-SA3C-727-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	360.0	2.6			
FM	(30°-60°)	8525.6	60.6			
FH	(60°-80°)	5050.7	35.9			G3/7500
FVH	(80°-90°)	25.3	0.2			G1/100
BL	(0°-30°)	9.4	0.1	B0/110		
BM	(30°-60°)	52.5	0.4	B0/220		
BH	(60°-80°)	32.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G3

Type III Short





REPORT NUMBER: P1049543

CATALOG NUMBER: GALN-SA3C-727-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
2.5°	79.6	79.6	76.5	72.2	68.0	63.7	62.7	60.5	59.5	58.4	57.3
5°	82.8	82.8	81.8	78.6	74.3	71.1	71.1	68.0	65.8	63.7	61.6
7.5°	85.0	86.0	88.1	87.1	85.0	81.8	81.8	79.6	76.5	71.1	68.0
10°	88.1	91.3	95.6	97.7	98.8	98.8	97.7	96.6	91.3	83.9	75.4
12.5°	91.3	97.7	108.3	118.9	125.3	133.8	132.7	130.6	116.8	100.9	86.0
15°	97.7	107.3	129.6	160.4	208.1	237.9	249.6	238.9	193.3	135.9	99.8
17.5°	105.1	121.1	188.0	335.6	550.1	652.0	713.6	663.7	439.6	258.0	125.3
20°	112.6	147.6	349.4	869.7	1427.2	1760.7	1853.1	1708.6	1097.0	491.7	185.8
22.5°	125.3	207.1	708.3	1797.9	3075.4	3575.5	3670.0	3208.1	2071.8	970.6	279.3
25°	151.9	300.5	1221.2	2929.9	4589.7	5433.9	5394.6	4789.3	3361.0	1550.4	424.8
27.5°	190.1	437.5	1846.7	4162.8	6040.3	6784.7	6873.9	6125.2	4480.3	2280.0	603.2
30°	245.3	606.4	2517.8	5150.4	7203.1	8008.0	8022.9	7248.8	5481.7	2920.3	821.9
32.5°	298.4	765.7	3105.1	6105.1	8348.9	9231.4	9297.2	8344.7	6229.3	3587.2	1012.0
35°	338.8	869.7	3699.8	6944.0	9504.3	10720.2	10716.0	9585.0	7114.9	4183.0	1275.4
37.5°	341.9	973.8	4238.2	7802.0	10967.6	12329.0	12463.9	11217.2	8185.4	4919.9	1598.2
40°	334.5	1090.6	4919.9	9140.1	13604.4	15693.2	15812.2	14240.5	10332.6	6181.5	2102.6
42.5°	343.0	1293.4	6026.5	11611.2	17982.8	20982.7	21212.1	19559.7	14279.8	8755.6	3002.1
45°	387.6	1674.7	8344.7	15745.3	24223.7	27881.0	27804.6	25424.8	18872.7	12674.2	4781.9
47.5°	535.2	2608.1	11781.1	19768.9	28212.4	31469.3	31535.2	28626.5	21553.0	15686.9	7178.7
50°	823.0	3990.7	14668.5	21896.0	29927.4	33195.0	33133.4	29772.3	22571.4	17170.4	8647.3
52.5°	1070.4	4991.1	16117.0	22642.5	30147.2	34047.7	34043.4	30073.9	22729.6	17297.8	8831.0
55°	1132.0	5066.5	16128.6	22682.9	30639.9	35163.8	35303.9	30816.2	22934.6	16741.4	8139.7
57.5°	1107.6	4485.6	15455.4	22916.5	31517.1	36027.1	36034.6	31535.2	23454.9	16400.5	6994.9
58°	1086.4	4394.3	15319.4	23049.2	31667.9	36063.2	36045.2	31568.1	23878.6	16387.7	6815.5
60°	967.4	3815.5	14789.5	23388.0	31443.8	35322.0	35153.2	30849.1	23816.0	16257.1	5911.8
62.5°	760.3	2976.6	14268.1	22996.2	29041.7	31733.7	31803.8	27311.8	21711.2	15495.7	4846.7
65°	605.3	2218.4	13180.7	20171.4	23914.7	26059.8	26321.1	22209.3	18121.9	13121.2	3573.4
67.5°	482.1	1603.5	11056.8	16059.6	18923.6	21749.4	21939.5	18646.5	14039.8	10053.3	2539.1
70°	391.9	1084.2	7632.1	11745.0	15608.3	18785.6	18797.3	15490.4	10479.2	6587.2	1592.9
72.5°	347.3	750.8	4430.4	8565.5	12656.1	15307.8	14998.7	12570.1	8053.7	3901.5	949.4
75°	300.5	498.0	2172.7	5236.4	7673.5	7725.6	7843.4	5831.1	4025.8	1855.2	569.2
77.5°	247.4	353.6	855.9	1430.4	2301.2	2945.8	3055.2	2315.0	1339.1	456.6	303.7
80°	169.9	167.8	230.4	438.6	658.4	825.1	769.9	595.7	350.4	175.2	108.3
82.5°	73.3	79.6	104.1	125.3	101.9	98.8	94.5	60.5	46.7	36.1	22.3
85°	23.4	21.2	22.3	22.3	18.1	13.8	13.8	6.4	0.0	0.0	0.0
87.5°	11.7	9.6	9.6	8.5	5.3	2.1	1.1	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

REPORT NUMBER: P1049543

CATALOG NUMBER: GALN-SA3C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
2.5°	56.3	56.3	54.2	52.0	51.0	48.8	47.8	46.7	45.7	44.6	43.5
5°	59.5	58.4	55.2	52.0	48.8	45.7	43.5	41.4	39.3	38.2	37.2
7.5°	64.8	62.7	56.3	51.0	46.7	42.5	40.4	37.2	35.0	31.9	30.8
10°	71.1	66.9	58.4	52.0	45.7	40.4	37.2	34.0	30.8	26.5	25.5
12.5°	79.6	72.2	61.6	51.0	43.5	37.2	34.0	29.7	26.5	23.4	21.2
15°	87.1	77.5	62.7	51.0	41.4	34.0	29.7	25.5	22.3	18.1	15.9
17.5°	97.7	81.8	61.6	47.8	38.2	29.7	25.5	22.3	17.0	10.6	8.5
20°	115.8	85.0	59.5	44.6	32.9	24.4	19.1	14.9	7.4	2.1	0.0
22.5°	144.4	93.5	57.3	40.4	28.7	19.1	12.7	5.3	0.0	0.0	0.0
25°	199.6	108.3	57.3	38.2	25.5	13.8	4.2	0.0	0.0	0.0	0.0
27.5°	265.5	128.5	57.3	32.9	20.2	7.4	0.0	0.0	0.0	0.0	0.0
30°	332.4	150.8	57.3	28.7	15.9	1.1	0.0	0.0	0.0	0.0	0.0
32.5°	396.1	169.9	58.4	24.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0
35°	460.9	173.1	57.3	21.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	543.7	166.7	54.2	19.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	669.0	169.9	51.0	18.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	900.5	183.7	46.7	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1556.8	246.4	42.5	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2575.2	442.8	41.4	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3286.7	557.5	43.5	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3281.4	621.2	45.7	21.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
55°	2917.1	632.9	48.8	23.4	13.8	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2438.2	577.7	56.3	28.7	25.5	0.0	0.0	0.0	0.0	0.0	0.0
58°	2353.2	552.2	58.4	29.7	27.6	0.0	0.0	0.0	0.0	0.0	0.0
60°	1928.5	450.3	74.3	37.2	37.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1331.7	392.9	85.0	47.8	38.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	941.9	354.7	92.4	51.0	30.8	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	704.1	327.1	101.9	52.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	539.5	306.9	125.3	55.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	439.6	283.5	151.9	57.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	364.2	255.9	146.5	62.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	242.1	198.6	133.8	62.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	85.0	78.6	104.1	55.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.7	10.6	14.9	19.1	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	0.0

REPORT NUMBER: P1049543

CATALOG NUMBER: GALN-SA3C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
2.5°	43.5	43.5	42.5	43.5	43.5	45.7	51.0	58.4	66.9	70.1	73.3
5°	36.1	35.0	34.0	34.0	34.0	37.2	41.4	49.9	59.5	63.7	65.8
7.5°	29.7	28.7	27.6	26.5	26.5	28.7	34.0	43.5	53.1	57.3	60.5
10°	24.4	22.3	21.2	20.2	20.2	22.3	27.6	37.2	47.8	52.0	56.3
12.5°	20.2	17.0	14.9	13.8	12.7	15.9	21.2	29.7	41.4	46.7	51.0
15°	13.8	10.6	7.4	6.4	5.3	8.5	13.8	23.4	35.0	41.4	45.7
17.5°	7.4	3.2	1.1	0.0	0.0	2.1	6.4	17.0	28.7	34.0	39.3
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	21.2	26.5	31.9
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	12.7	18.1	23.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	9.6	13.8
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.4
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	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	8.5	11.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049543

CATALOG NUMBER: GALN-SA3C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
2.5°	75.4	74.3	72.2	70.1	70.1	70.1	73.3	76.5	79.6	79.6
5°	70.1	70.1	69.0	66.9	66.9	68.0	72.2	77.5	81.8	82.8
7.5°	64.8	66.9	64.8	63.7	64.8	65.8	70.1	76.5	82.8	85.0
10°	61.6	62.7	62.7	61.6	61.6	63.7	68.0	76.5	85.0	88.1
12.5°	57.3	59.5	58.4	58.4	58.4	60.5	65.8	75.4	87.1	91.3
15°	53.1	56.3	56.3	55.2	55.2	56.3	63.7	74.3	90.3	97.7
17.5°	48.8	52.0	53.1	51.0	51.0	53.1	60.5	74.3	92.4	105.1
20°	40.4	45.7	48.8	45.7	45.7	47.8	55.2	70.1	93.5	112.6
22.5°	31.9	37.2	41.4	40.4	40.4	41.4	51.0	66.9	94.5	125.3
25°	23.4	28.7	31.9	34.0	34.0	37.2	46.7	64.8	98.8	151.9
27.5°	13.8	20.2	24.4	26.5	27.6	31.9	43.5	62.7	106.2	190.1
30°	6.4	11.7	17.0	21.2	21.2	28.7	40.4	60.5	115.8	245.3
32.5°	0.0	5.3	8.5	14.9	15.9	23.4	37.2	58.4	129.6	298.4
35°	0.0	0.0	4.2	11.7	11.7	19.1	34.0	56.3	150.8	338.8
37.5°	0.0	0.0	0.0	8.5	9.6	17.0	32.9	55.2	155.0	341.9
40°	0.0	0.0	0.0	6.4	7.4	15.9	32.9	56.3	140.2	334.5
42.5°	0.0	0.0	0.0	4.2	5.3	15.9	32.9	58.4	126.4	343.0
45°	0.0	0.0	0.0	3.2	4.2	17.0	31.9	57.3	118.9	387.6
47.5°	0.0	0.0	0.0	4.2	6.4	17.0	30.8	56.3	120.0	535.2
50°	0.0	0.0	0.0	5.3	7.4	17.0	31.9	54.2	131.7	823.0
52.5°	0.0	0.0	0.0	4.2	6.4	19.1	35.0	53.1	143.4	1070.4
55°	0.0	0.0	0.0	1.1	3.2	24.4	38.2	53.1	161.4	1132.0
57.5°	0.0	0.0	0.0	0.0	0.0	27.6	43.5	56.3	191.1	1107.6
58°	0.0	0.0	0.0	0.0	0.0	27.6	44.6	56.3	193.3	1086.4
60°	0.0	0.0	0.0	0.0	0.0	27.6	48.8	62.7	208.1	967.4
62.5°	0.0	0.0	0.0	0.0	0.0	23.4	58.4	78.6	216.6	760.3
65°	0.0	0.0	0.0	0.0	0.0	19.1	69.0	86.0	223.0	605.3
67.5°	0.0	0.0	0.0	0.0	0.0	18.1	71.1	87.1	226.2	482.1
70°	0.0	0.0	0.0	0.0	0.0	19.1	70.1	93.5	236.8	391.9
72.5°	0.0	0.0	0.0	0.0	0.0	21.2	63.7	103.0	236.8	347.3
75°	0.0	0.0	0.0	0.0	0.0	22.3	59.5	115.8	215.6	300.5
77.5°	0.0	0.0	0.0	0.0	0.0	21.2	58.4	134.9	192.2	247.4
80°	2.1	3.2	3.2	2.1	2.1	18.1	57.3	137.0	163.5	169.9
82.5°	6.4	8.5	7.4	5.3	5.3	15.9	51.0	114.7	85.0	73.3
85°	11.7	13.8	13.8	11.7	11.7	14.9	31.9	41.4	28.7	23.4
87.5°	15.9	18.1	18.1	15.9	15.9	14.9	13.8	12.7	11.7	11.7
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			

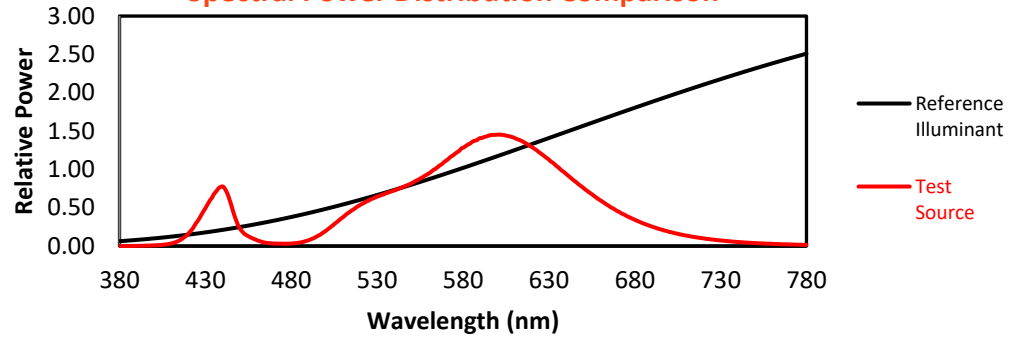
REPORT NUMBER: SP1-2407-184-3

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



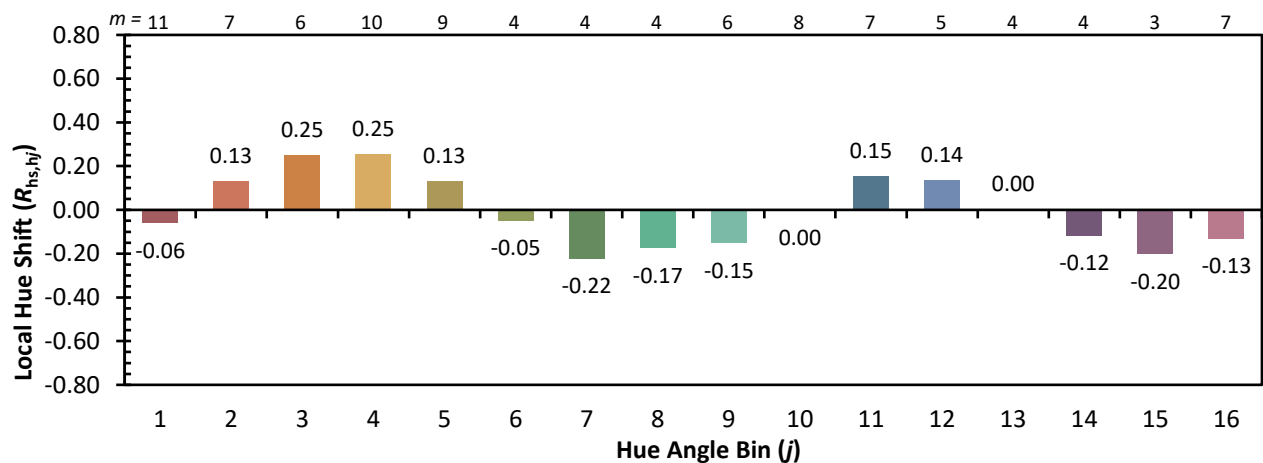
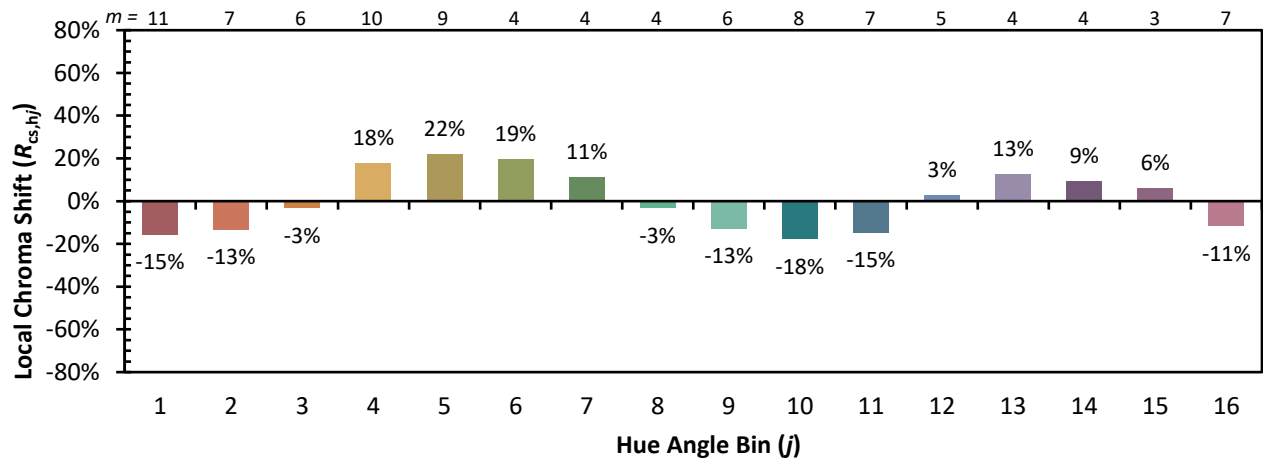
Color Vector Graphics



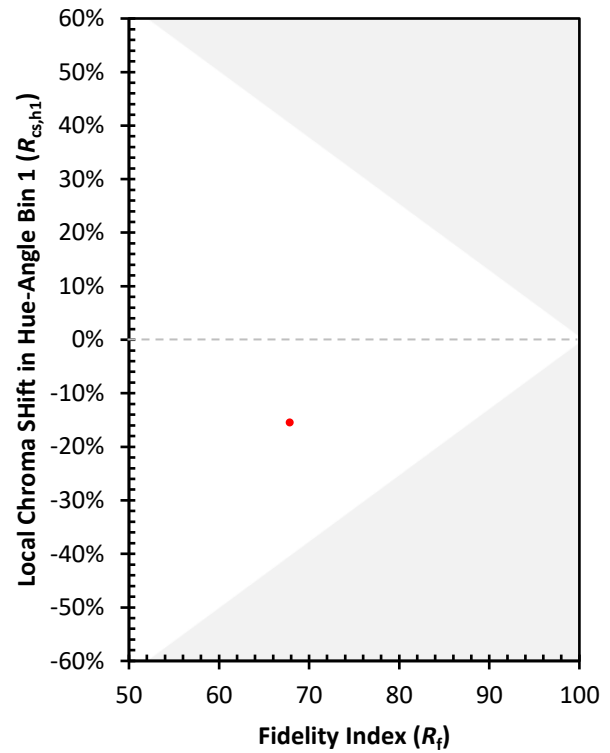
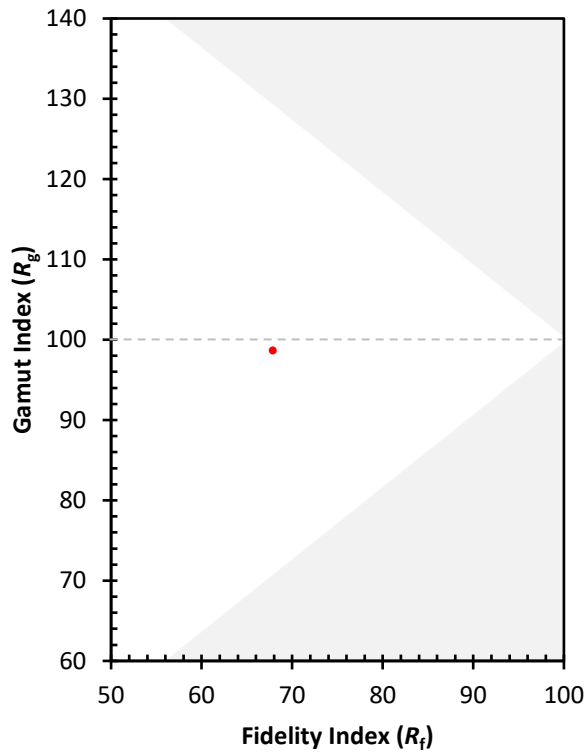
Individual Sample Fidelity Index ($R_{f,i}$)

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)