

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: P528541

Luminaire Tested: **GALN-SA3C-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9971 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

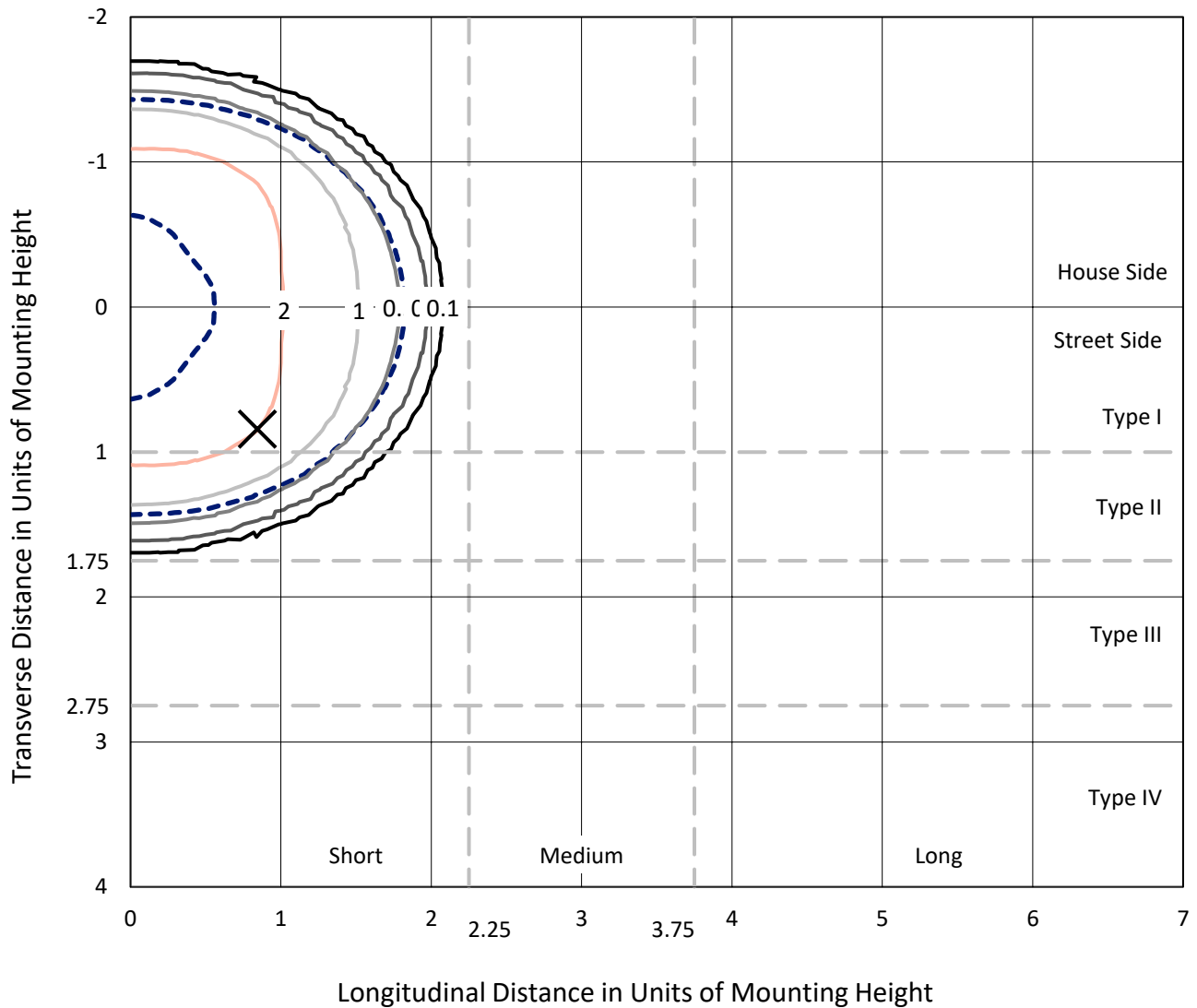
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

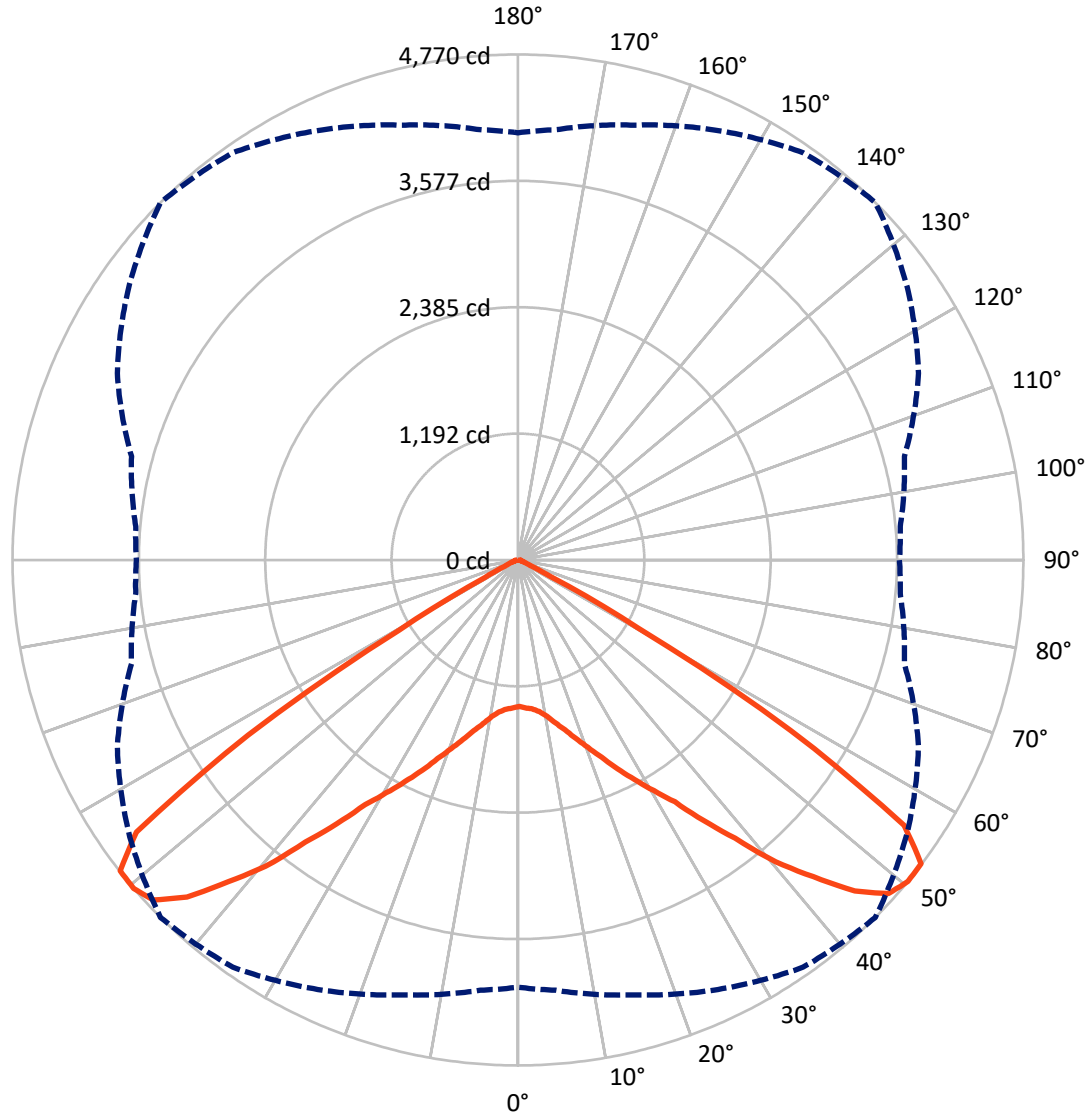
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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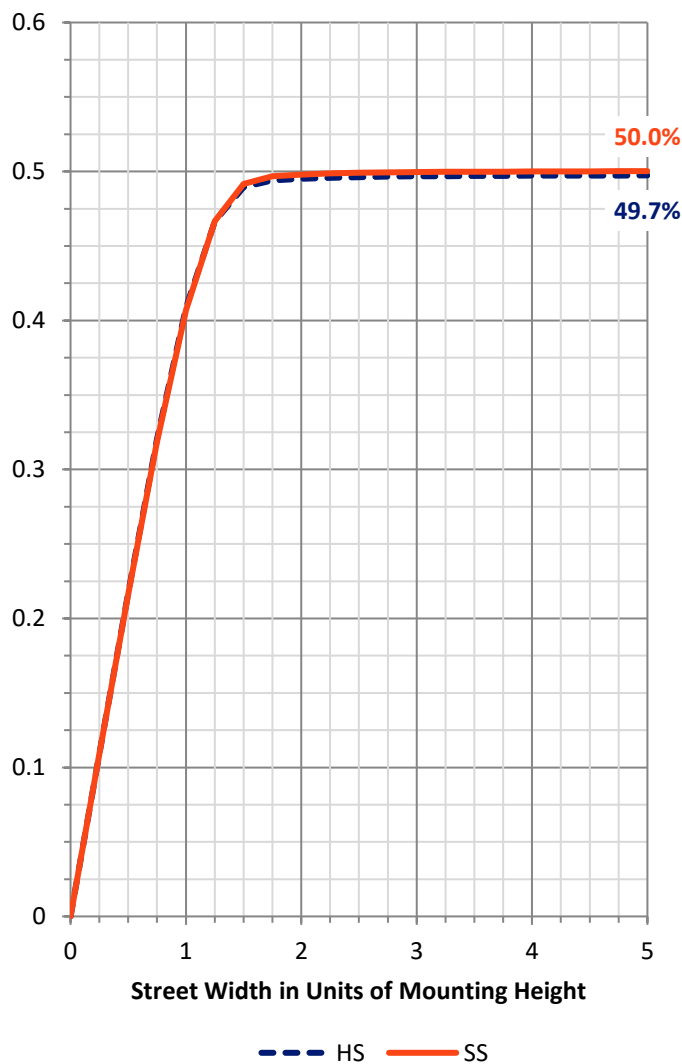
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4985.5	0.0	4985.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4985.5	0.0	4985.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9971.0	0.0	9971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	1.4
10°-20°	474.0	4.8
20°-30°	968.1	9.7
30°-40°	1846.1	18.5
40°-50°	3111.0	31.2
50°-60°	2966.9	29.8
60°-70°	414.2	4.2
70°-80°	39.6	0.4
80°-90°	13.7	0.1
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°	9971.0	100.0
0°-180°	9971.0	100.0

Coefficient of Utilization



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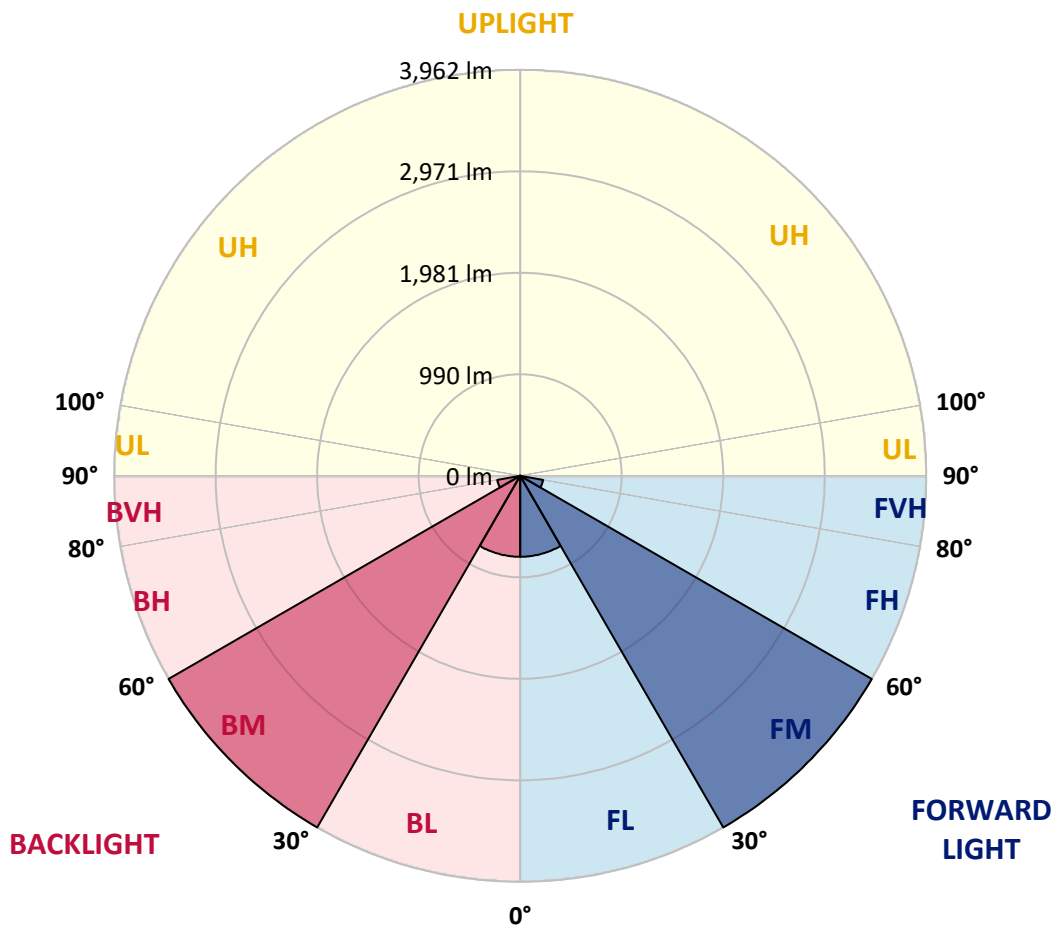
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	789.8	7.9			
FM (30°-60°)	3962.0	39.7			
FH (60°-80°)	226.9	2.3			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	789.8	7.9	B2/1000		
BM (30°-60°)	3962.0	39.7	B3/5000		
BH (60°-80°)	226.9	2.3	B1/500		G0/660
BVH (80°-90°)	6.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1382.4	1382.4	1382.4	1382.4	1382.4	1382.4	1382.4	1382.4	1382.4	1382.4	1382.4
2.5°	1377.3	1377.3	1375.7	1389.1	1382.4	1397.5	1395.8	1400.8	1405.9	1404.2	1417.6
5°	1365.6	1363.9	1363.9	1379.0	1394.1	1410.9	1426.0	1436.1	1452.8	1452.8	1469.6
7.5°	1377.3	1368.9	1380.7	1387.4	1415.9	1444.4	1469.6	1489.7	1528.3	1541.7	1536.7
10°	1380.7	1390.8	1399.1	1419.3	1454.5	1498.1	1519.9	1570.3	1613.9	1644.1	1650.8
12.5°	1402.5	1417.6	1441.1	1489.7	1521.6	1578.7	1608.8	1657.5	1717.9	1751.4	1774.9
15°	1444.4	1449.5	1479.7	1541.7	1610.5	1662.5	1709.5	1744.7	1803.5	1842.0	1843.7
17.5°	1498.1	1519.9	1561.9	1620.6	1692.7	1769.9	1806.8	1845.4	1867.2	1919.2	1931.0
20°	1605.5	1608.8	1649.1	1726.3	1816.9	1887.3	1914.2	1934.3	1925.9	1979.6	1989.7
22.5°	1706.2	1709.5	1759.8	1863.9	1961.2	2021.5	2033.3	2021.5	1996.4	2035.0	2038.3
25°	1808.5	1838.7	1875.6	1979.6	2100.4	2180.9	2182.6	2150.7	2098.7	2105.4	2122.2
27.5°	1967.9	1989.7	2028.3	2123.9	2256.4	2347.0	2331.9	2293.3	2226.2	2231.3	2226.2
30°	2154.1	2174.2	2206.1	2328.6	2425.9	2524.8	2546.6	2509.7	2409.1	2387.3	2412.4
32.5°	2378.9	2407.4	2466.1	2578.5	2660.7	2721.1	2736.2	2722.8	2628.9	2620.5	2637.2
35°	2652.3	2690.9	2744.6	2843.6	2910.7	3019.7	3019.7	2974.4	2888.9	2898.9	2897.3
37.5°	2940.9	2997.9	3081.8	3182.5	3273.1	3331.8	3313.3	3274.7	3189.2	3167.4	3189.2
40°	3303.3	3331.8	3437.5	3568.3	3679.0	3746.2	3667.3	3583.4	3378.8	3410.6	3469.3
42.5°	3633.8	3679.0	3759.6	3903.9	4029.7	4085.0	3991.1	3825.0	3578.4	3553.2	3596.8
45°	3915.6	3964.2	4069.9	4276.3	4408.8	4457.5	4249.4	3981.0	3699.2	3635.4	3653.9
47.5°	4103.5	4128.7	4276.3	4472.6	4593.4	4704.1	4405.5	4088.4	3756.2	3635.4	3628.7
50°	4031.4	4075.0	4247.8	4470.9	4690.7	4769.5	4484.3	4170.6	3774.7	3620.3	3600.2
52.5°	3580.1	3655.6	3848.5	4148.8	4481.0	4762.8	4593.4	4143.8	3768.0	3635.4	3665.6
55°	2491.3	2493.0	2727.8	3170.7	3757.9	4422.2	4434.0	4174.0	3811.6	3729.4	3731.1
57.5°	1001.5	1051.9	1231.4	1676.0	2217.8	3036.5	3610.3	3872.0	3816.6	3796.5	3848.5
60°	253.3	255.0	310.4	473.1	780.1	1301.8	1890.7	2558.4	2945.9	3078.5	3096.9
62.5°	129.2	130.9	144.3	167.8	213.1	348.9	620.7	984.8	1400.8	1612.2	1667.6
65°	105.7	105.7	114.1	125.8	127.5	134.2	161.1	229.8	333.8	379.1	384.2
67.5°	80.5	80.5	87.2	93.9	97.3	95.6	92.3	95.6	115.8	110.7	107.4
70°	50.3	52.0	55.4	62.1	65.4	67.1	68.8	72.1	82.2	85.6	82.2
72.5°	30.2	30.2	31.9	36.9	41.9	45.3	50.3	53.7	58.7	67.1	65.4
75°	13.4	13.4	16.8	21.8	26.8	31.9	36.9	41.9	45.3	50.3	52.0
77.5°	3.4	5.0	8.4	15.1	20.1	26.8	33.6	38.6	41.9	41.9	40.3
80°	1.7	1.7	6.7	11.7	21.8	28.5	36.9	40.3	45.3	41.9	36.9
82.5°	1.7	1.7	6.7	11.7	20.1	28.5	38.6	43.6	47.0	41.9	35.2
85°	0.0	1.7	5.0	10.1	16.8	20.1	16.8	11.7	6.7	6.7	5.0
87.5°	0.0	0.0	1.7	1.7	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

(END OF REPORT)