

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: P527989

Luminaire Tested: **GALN-SA3A-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3A-740-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9378 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

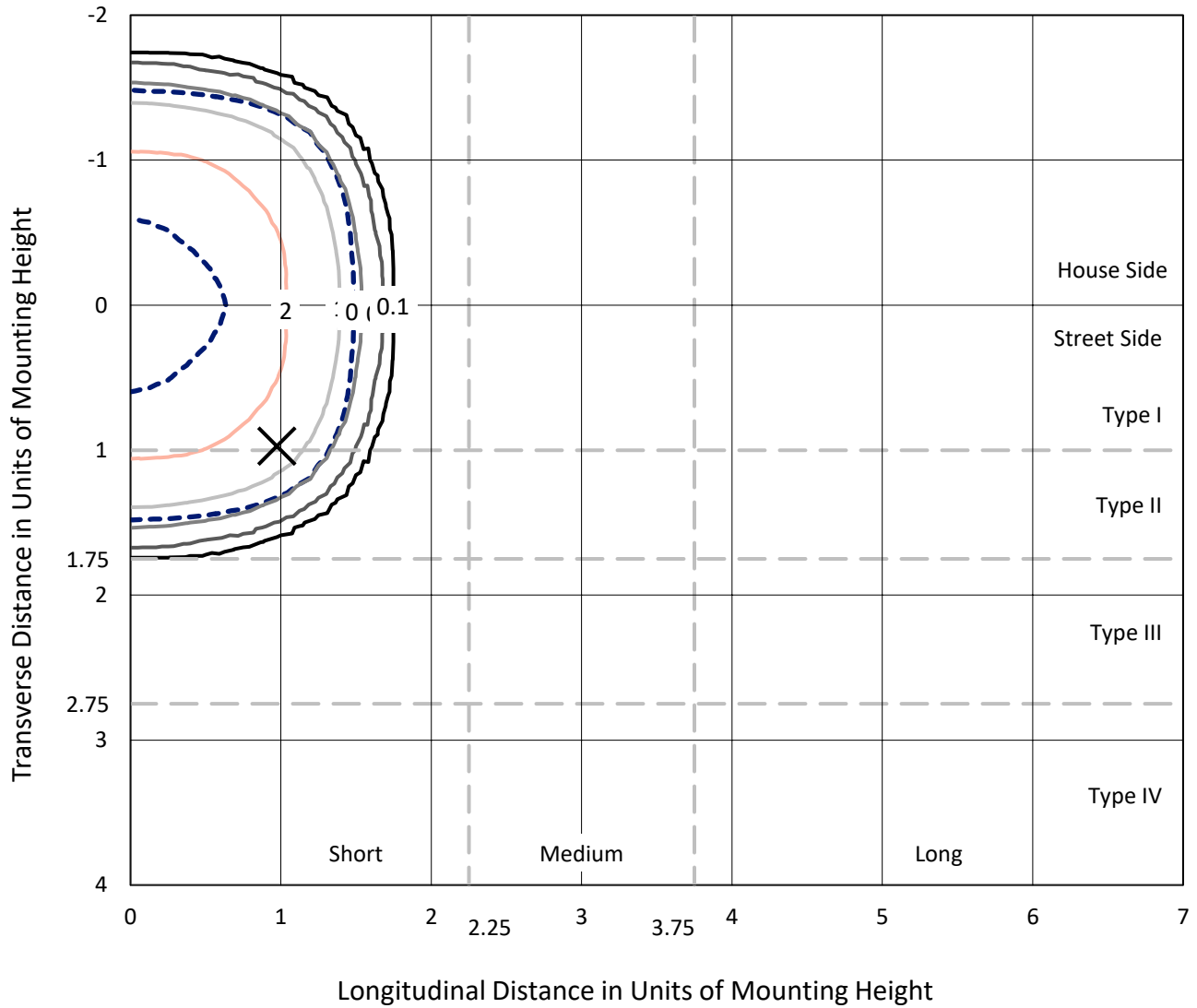
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

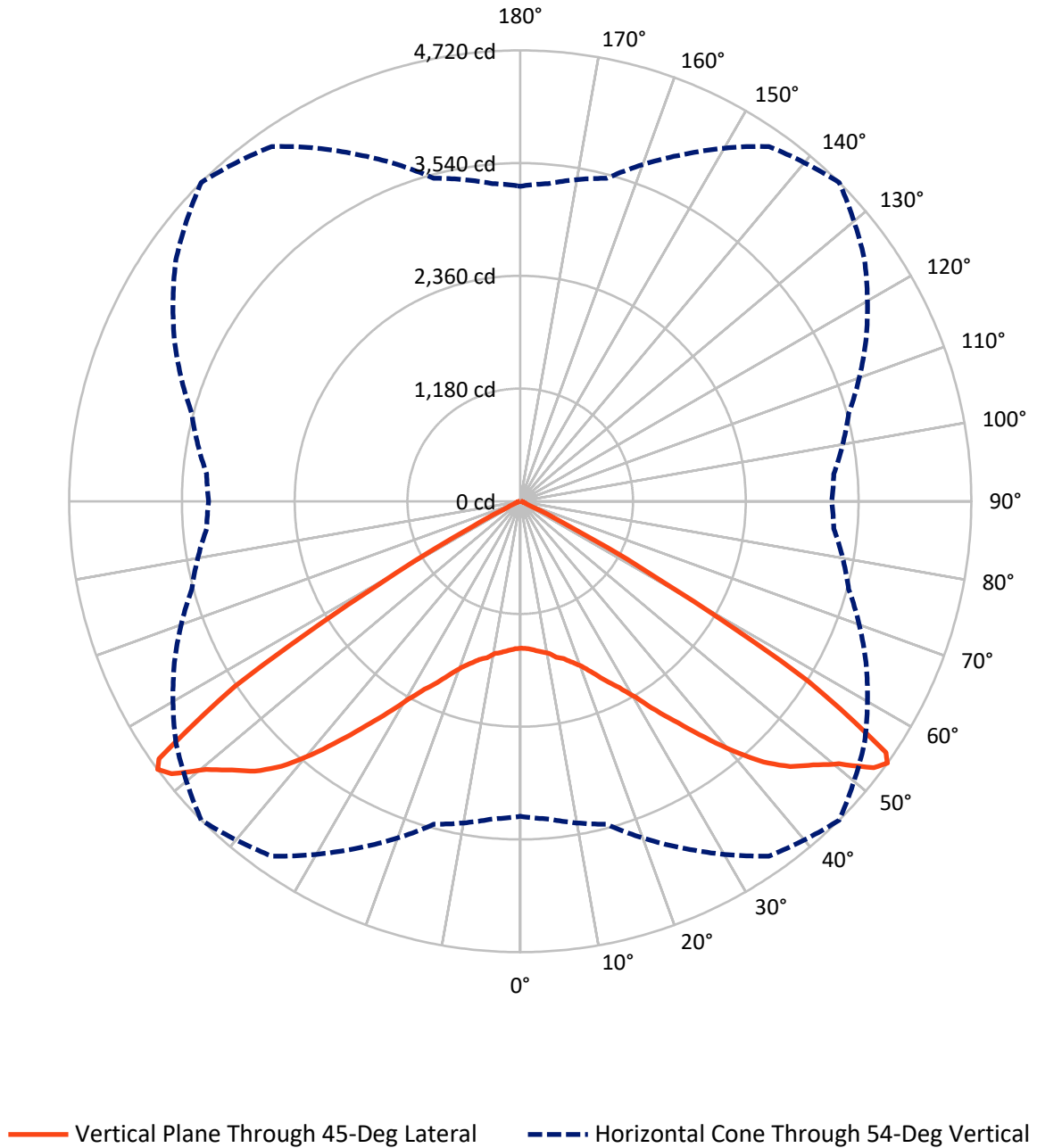
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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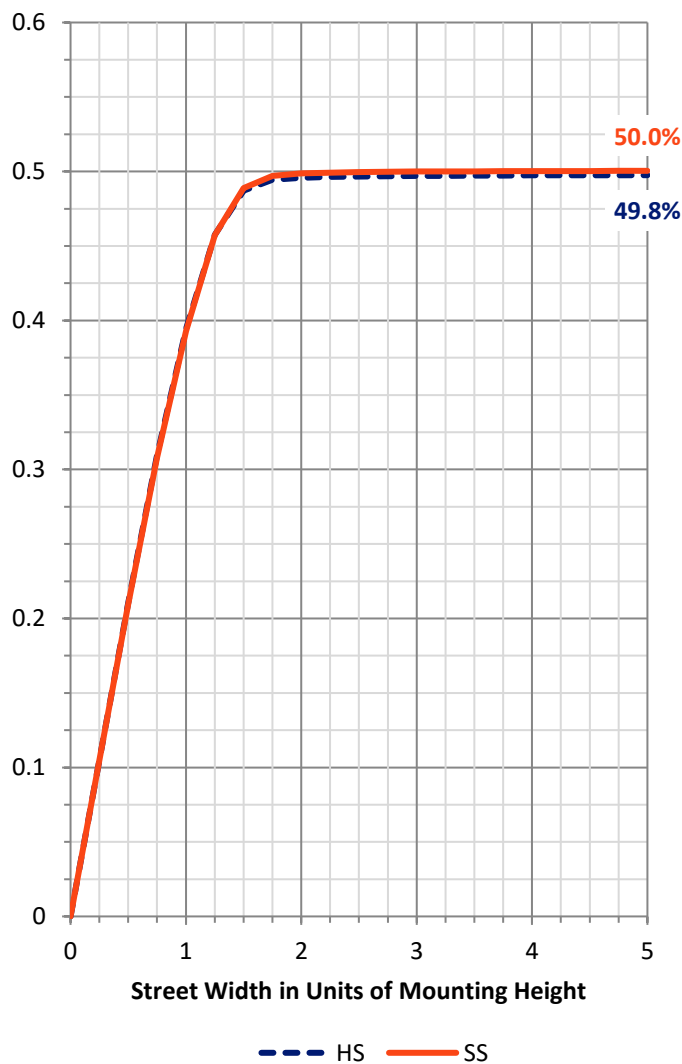
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4689.0	0.0	4689.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4689.0	0.0	4689.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9378.0	0.0	9378.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.5	1.6
10°-20°	487.4	5.2
20°-30°	955.3	10.2
30°-40°	1717.7	18.3
40°-50°	2940.5	31.4
50°-60°	2845.2	30.3
60°-70°	243.6	2.6
70°-80°	28.9	0.3
80°-90°	9.1	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°	9378.0	100.0
0°-180°	9378.0	100.0

**Coefficient of Utilization**



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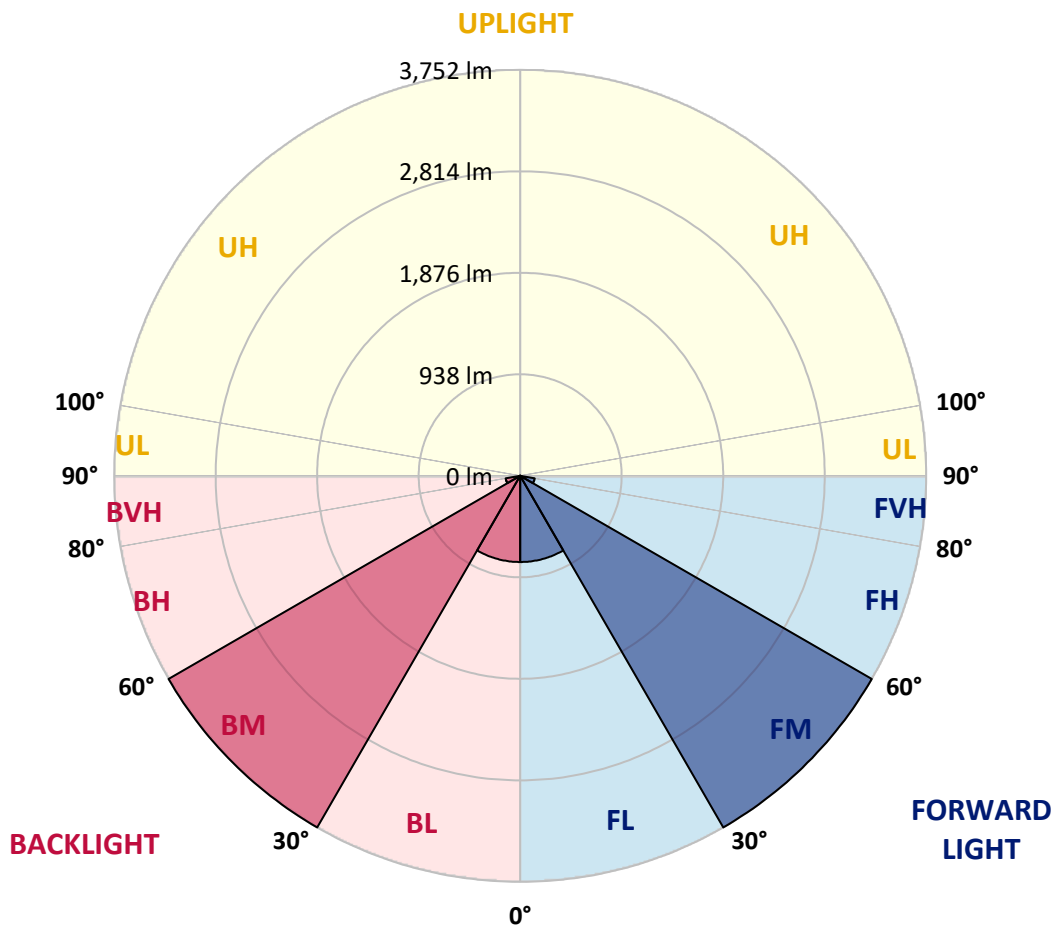
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	796.6	8.5			
FM (30°-60°)	3751.7	40.0			
FH (60°-80°)	136.2	1.5			G0/660
FVH (80°-90°)	4.5	0.0			G0/10
BL (0°-30°)	796.6	8.5	B2/1000		
BM (30°-60°)	3751.7	40.0	B3/5000		
BH (60°-80°)	136.2	1.5	B1/500		G0/660
BVH (80°-90°)	4.5	0.0			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°	1537.7	1537.7	1537.7	1537.7	1537.7	1537.7	1537.7	1537.7	1537.7	1537.7	1537.7
2.5°	1545.1	1554.0	1548.1	1552.6	1552.6	1545.1	1549.6	1531.8	1543.6	1534.7	1536.2
5°	1568.9	1567.4	1567.4	1568.9	1563.0	1565.9	1560.0	1554.0	1549.6	1543.6	1561.5
7.5°	1598.6	1598.6	1588.2	1591.2	1588.2	1592.7	1580.8	1568.9	1564.4	1560.0	1557.0
10°	1626.8	1623.9	1619.4	1632.8	1622.4	1616.4	1610.5	1603.1	1586.7	1580.8	1574.8
12.5°	1668.4	1667.0	1661.0	1674.4	1668.4	1674.4	1652.1	1632.8	1629.8	1610.5	1620.9
15°	1717.5	1730.8	1720.4	1720.4	1717.5	1710.0	1701.1	1692.2	1665.5	1658.0	1659.5
17.5°	1781.4	1776.9	1778.4	1778.4	1793.2	1773.9	1756.1	1733.8	1720.4	1716.0	1701.1
20°	1842.3	1848.2	1846.7	1857.1	1866.0	1845.2	1825.9	1823.0	1785.8	1791.8	1771.0
22.5°	1949.2	1944.8	1952.2	1959.6	1953.7	1950.7	1932.9	1910.6	1877.9	1863.1	1860.1
25°	2062.2	2054.7	2041.4	2059.2	2068.1	2081.5	2047.3	2035.4	1984.9	1962.6	1964.1
27.5°	2158.7	2169.1	2184.0	2191.4	2213.7	2209.2	2185.5	2146.8	2108.2	2083.0	2066.6
30°	2290.9	2296.9	2322.1	2332.5	2371.2	2381.6	2344.4	2299.9	2231.5	2198.8	2179.5
32.5°	2412.8	2454.4	2452.9	2504.9	2567.3	2610.4	2543.5	2475.2	2406.8	2368.2	2334.0
35°	2610.4	2602.9	2646.0	2701.0	2802.0	2851.1	2778.3	2699.5	2595.5	2533.1	2506.4
37.5°	2794.6	2797.6	2855.5	2943.2	3059.1	3134.8	3070.9	2941.7	2834.7	2754.5	2717.3
40°	3062.0	3068.0	3127.4	3226.9	3357.7	3439.4	3365.1	3234.4	3091.7	3029.3	3029.3
42.5°	3375.5	3400.8	3439.4	3525.6	3642.9	3733.6	3666.7	3564.2	3420.1	3339.9	3351.7
45°	3697.9	3709.8	3735.1	3862.8	3917.8	3962.4	3900.0	3852.4	3755.9	3657.8	3641.5
47.5°	3999.5	4004.0	4078.2	4118.4	4161.4	4124.3	4164.4	4102.0	3993.6	3898.5	3879.2
50°	4133.2	4125.8	4231.3	4353.1	4385.8	4320.4	4286.2	4244.6	4079.7	3965.3	3914.8
52.5°	3744.0	3787.1	3983.2	4321.9	4577.4	4632.4	4433.3	4241.7	3934.1	3711.3	3677.1
54°	3298.3	3338.4	3500.3	4002.5	4534.4	4720.1	4399.2	3992.1	3558.3	3293.8	3259.6
55°	2857.0	2812.4	3106.6	3619.2	4332.3	4642.8	4264.0	3669.7	3173.5	2931.3	2883.7
57.5°	1546.6	1554.0	1802.2	2286.5	3044.2	3559.7	3143.7	2482.6	1875.0	1603.1	1579.3
60°	490.3	502.2	610.6	924.1	1454.5	1736.8	1488.7	996.9	689.4	552.7	530.4
62.5°	153.0	159.0	173.8	258.5	398.2	569.0	445.7	267.4	199.1	182.7	185.7
65°	93.6	93.6	95.1	101.0	118.9	138.2	133.7	117.4	112.9	109.9	108.5
67.5°	60.9	59.4	62.4	66.9	69.8	71.3	75.8	80.2	78.7	75.8	75.8
70°	37.1	35.7	38.6	44.6	46.1	49.0	53.5	59.4	57.9	55.0	56.5
72.5°	20.8	20.8	22.3	26.7	31.2	34.2	38.6	43.1	44.6	43.1	43.1
75°	7.4	8.9	11.9	16.3	19.3	23.8	28.2	32.7	37.1	34.2	32.7
77.5°	3.0	3.0	5.9	10.4	14.9	19.3	26.7	31.2	34.2	31.2	28.2
80°	1.5	1.5	4.5	8.9	13.4	17.8	22.3	26.7	28.2	25.3	22.3
82.5°	1.5	1.5	4.5	8.9	13.4	16.3	23.8	26.7	29.7	26.7	22.3
85°	0.0	1.5	4.5	8.9	11.9	13.4	13.4	8.9	7.4	4.5	4.5
87.5°	0.0	0.0	1.5	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

(END OF REPORT)