

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: P528411

Luminaire Tested: **GALN-SA3C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528411  
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-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 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: 12352 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

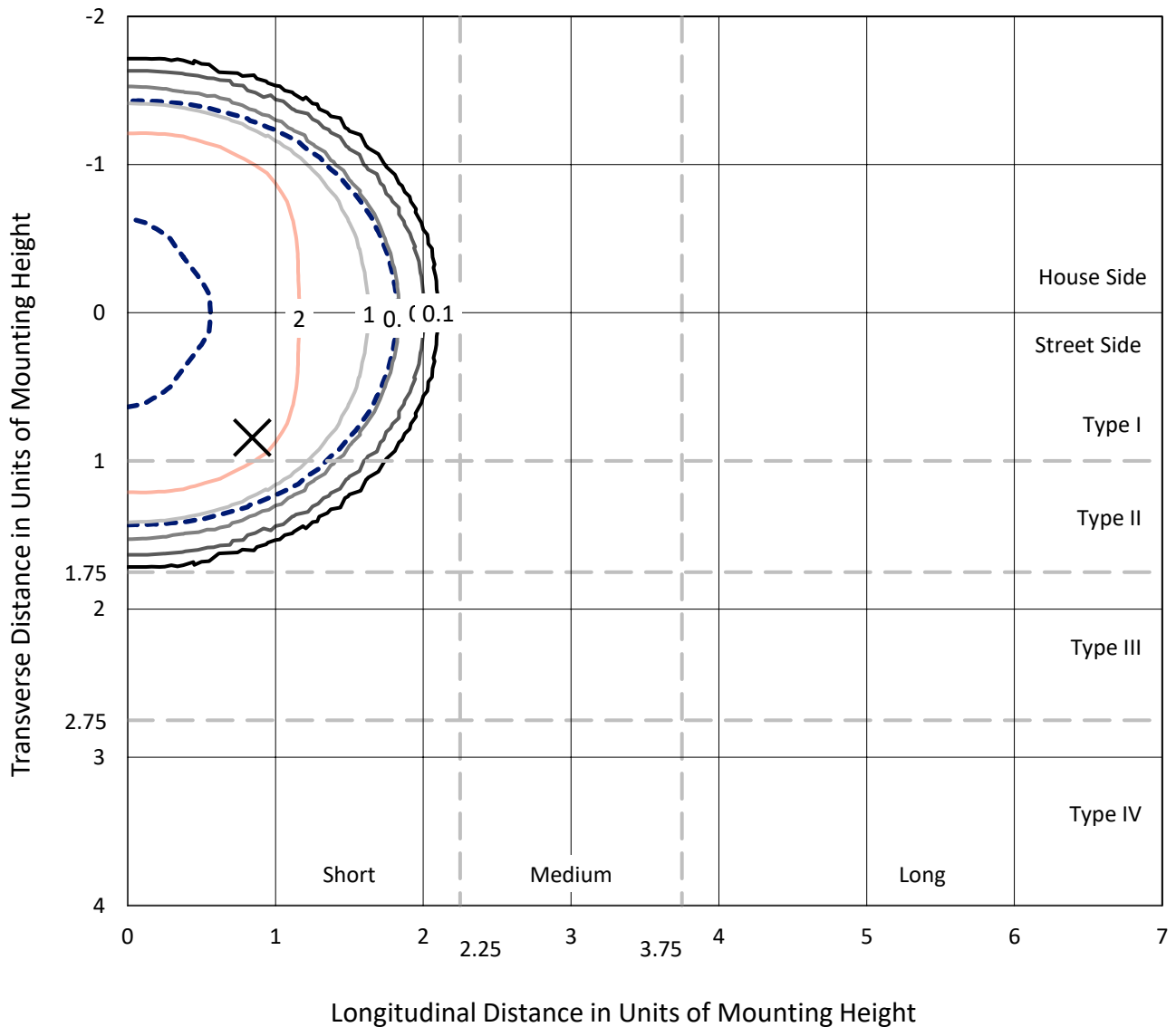
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

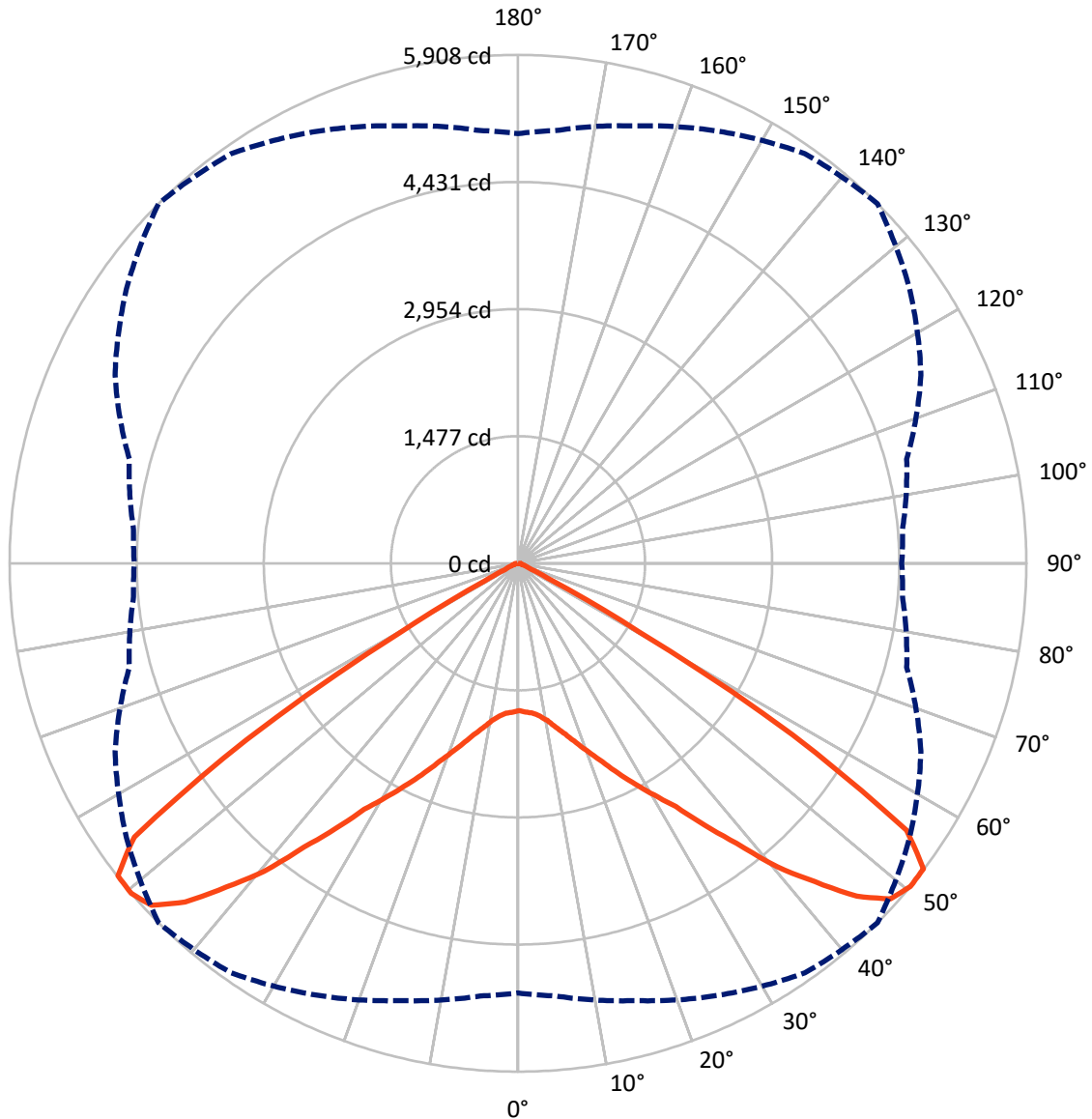
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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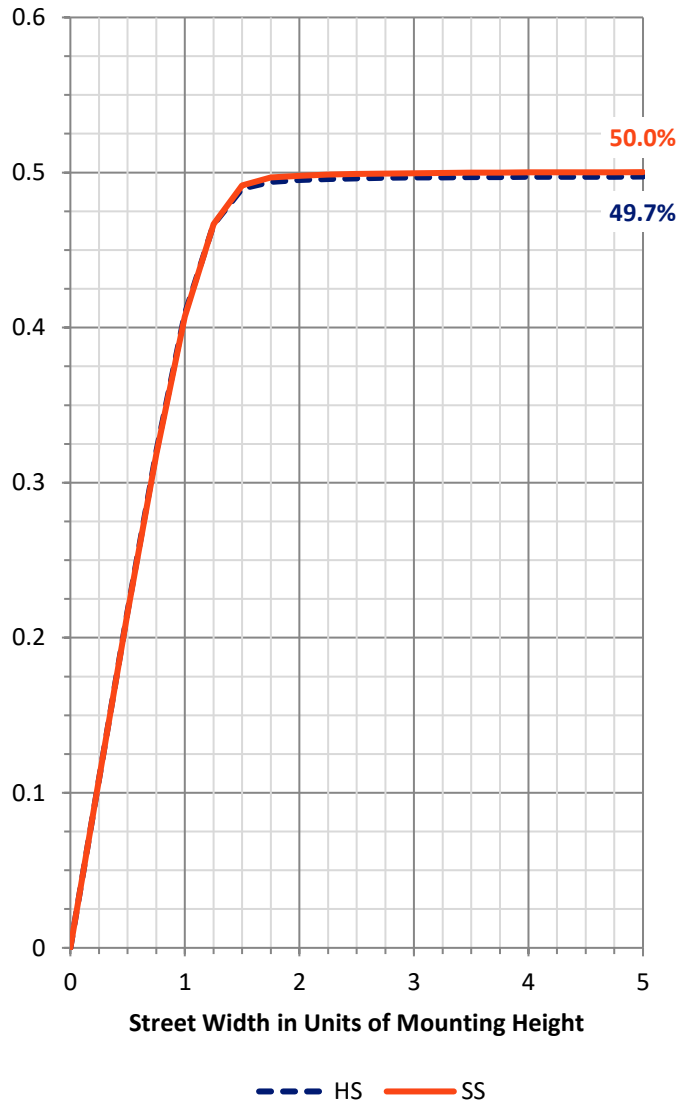
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6176.0	0.0	6176.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6176.0	0.0	6176.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12352.0	0.0	12352.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.4	1.4
10°-20°	587.2	4.8
20°-30°	1199.2	9.7
30°-40°	2286.9	18.5
40°-50°	3853.9	31.2
50°-60°	3675.3	29.8
60°-70°	513.1	4.2
70°-80°	49.1	0.4
80°-90°	16.9	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°	12352.0	100.0
0°-180°	12352.0	100.0

**Coefficient of Utilization**



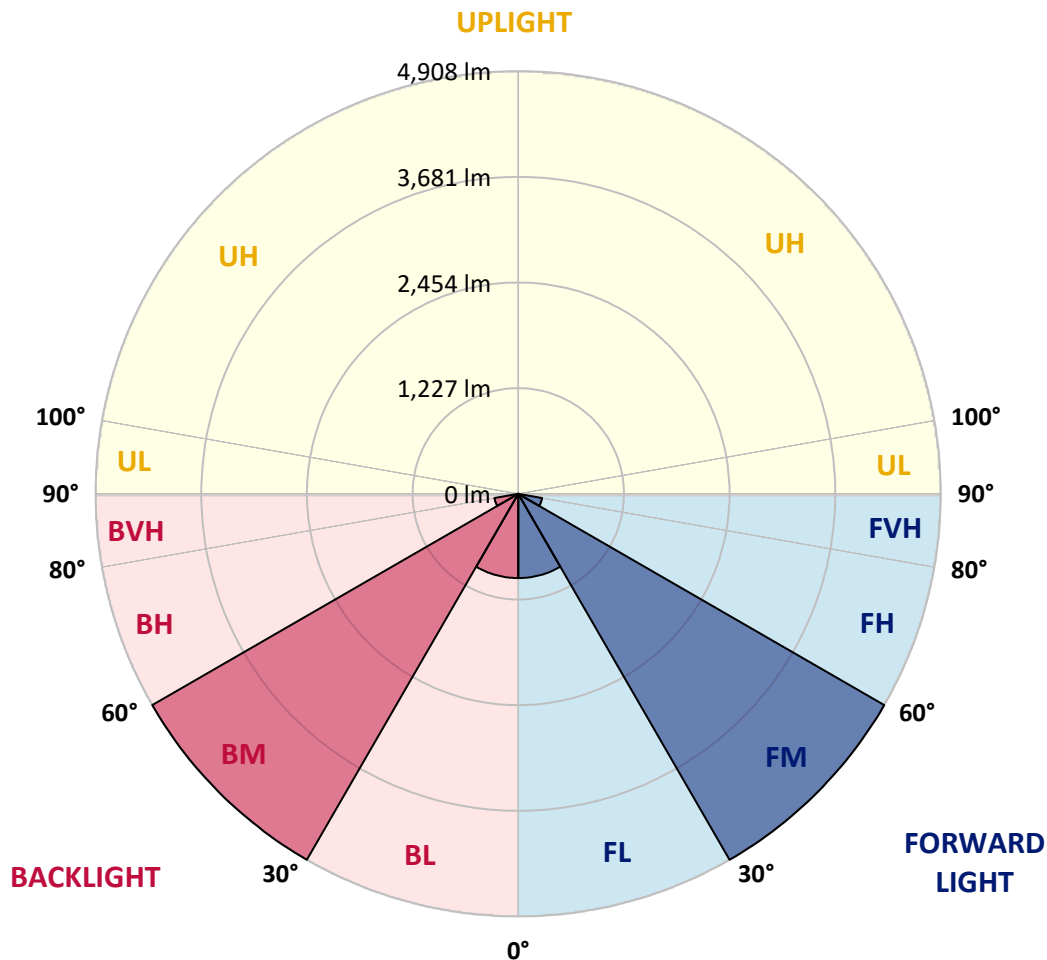
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	978.4	7.9			
FM (30°-60°)	4908.1	39.7			
FH (60°-80°)	281.1	2.3			G0/660
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	978.4	7.9	B2/1000		
BM (30°-60°)	4908.1	39.7	B3/5000		
BH (60°-80°)	281.1	2.3	B1/500		G0/660
BVH (80°-90°)	8.5	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°	1712.5	1712.5	1712.5	1712.5	1712.5	1712.5	1712.5	1712.5	1712.5	1712.5	1712.5
2.5°	1706.2	1706.2	1704.2	1720.8	1712.5	1731.2	1729.1	1735.3	1741.6	1739.5	1756.1
5°	1691.7	1689.6	1689.6	1708.3	1727.0	1747.8	1766.5	1779.0	1799.8	1799.8	1820.5
7.5°	1706.2	1695.8	1710.4	1718.7	1754.0	1789.4	1820.5	1845.5	1893.3	1909.9	1903.7
10°	1710.4	1722.9	1733.3	1758.2	1801.8	1855.9	1882.9	1945.2	1999.3	2036.7	2045.0
12.5°	1737.4	1756.1	1785.2	1845.5	1885.0	1955.6	1993.0	2053.3	2128.1	2169.7	2198.8
15°	1789.4	1795.6	1833.0	1909.9	1995.1	2059.5	2117.7	2161.4	2234.1	2281.9	2284.0
17.5°	1855.9	1882.9	1934.8	2007.6	2096.9	2192.5	2238.3	2286.1	2313.1	2377.5	2392.1
20°	1988.9	1993.0	2042.9	2138.5	2250.7	2338.0	2371.3	2396.2	2385.8	2452.3	2464.8
22.5°	2113.6	2117.7	2180.1	2308.9	2429.5	2504.3	2518.8	2504.3	2473.1	2520.9	2525.1
25°	2240.3	2277.7	2323.5	2452.3	2602.0	2701.7	2703.8	2664.3	2599.9	2608.2	2629.0
27.5°	2437.8	2464.8	2512.6	2631.1	2795.2	2907.5	2888.8	2841.0	2757.8	2764.1	2757.8
30°	2668.5	2693.4	2732.9	2884.6	3005.1	3127.7	3154.8	3109.0	2984.4	2957.3	2988.5
32.5°	2946.9	2982.3	3055.0	3194.3	3296.1	3370.9	3389.6	3373.0	3256.6	3246.2	3267.0
35°	3285.7	3333.5	3400.0	3522.6	3605.7	3740.8	3740.8	3684.7	3578.7	3591.2	3589.1
37.5°	3643.2	3713.8	3817.7	3942.4	4054.6	4127.4	4104.5	4056.7	3950.7	3923.7	3950.7
40°	4092.1	4127.4	4258.3	4420.4	4557.6	4640.7	4543.0	4439.1	4185.6	4225.1	4297.8
42.5°	4501.5	4557.6	4657.3	4836.1	4991.9	5060.5	4944.1	4738.4	4432.9	4401.7	4455.7
45°	4850.6	4910.9	5041.8	5297.4	5461.6	5521.9	5264.2	4931.7	4582.5	4503.5	4526.4
47.5°	5083.4	5114.5	5297.4	5540.6	5690.2	5827.4	5457.5	5064.7	4653.2	4503.5	4495.2
50°	4994.0	5048.0	5262.1	5538.5	5810.8	5908.4	5555.1	5166.5	4676.0	4484.8	4459.9
52.5°	4435.0	4528.5	4767.5	5139.5	5551.0	5900.1	5690.2	5133.3	4667.7	4503.5	4541.0
55°	3086.2	3088.3	3379.2	3927.9	4655.3	5478.2	5492.8	5170.7	4721.8	4619.9	4622.0
57.5°	1240.7	1303.1	1525.4	2076.2	2747.4	3761.6	4472.4	4796.6	4728.0	4703.1	4767.5
60°	313.8	315.9	384.5	586.1	966.4	1612.7	2342.2	3169.3	3649.4	3813.6	3836.4
62.5°	160.0	162.1	178.7	207.8	263.9	432.3	768.9	1219.9	1735.3	1997.2	2065.8
65°	130.9	130.9	141.3	155.9	157.9	166.3	199.5	284.7	413.6	469.7	475.9
67.5°	99.8	99.8	108.1	116.4	120.5	118.5	114.3	118.5	143.4	137.2	133.0
70°	62.3	64.4	68.6	76.9	81.1	83.1	85.2	89.4	101.8	106.0	101.8
72.5°	37.4	37.4	39.5	45.7	52.0	56.1	62.3	66.5	72.7	83.1	81.1
75°	16.6	16.6	20.8	27.0	33.3	39.5	45.7	52.0	56.1	62.3	64.4
77.5°	4.2	6.2	10.4	18.7	24.9	33.3	41.6	47.8	52.0	52.0	49.9
80°	2.1	2.1	8.3	14.5	27.0	35.3	45.7	49.9	56.1	52.0	45.7
82.5°	2.1	2.1	8.3	14.5	24.9	35.3	47.8	54.0	58.2	52.0	43.6
85°	0.0	2.1	6.2	12.5	20.8	24.9	20.8	14.5	8.3	8.3	6.2
87.5°	0.0	0.0	2.1	2.1	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)