

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: P527476

Luminaire Tested: **GALN-SA2C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11282 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

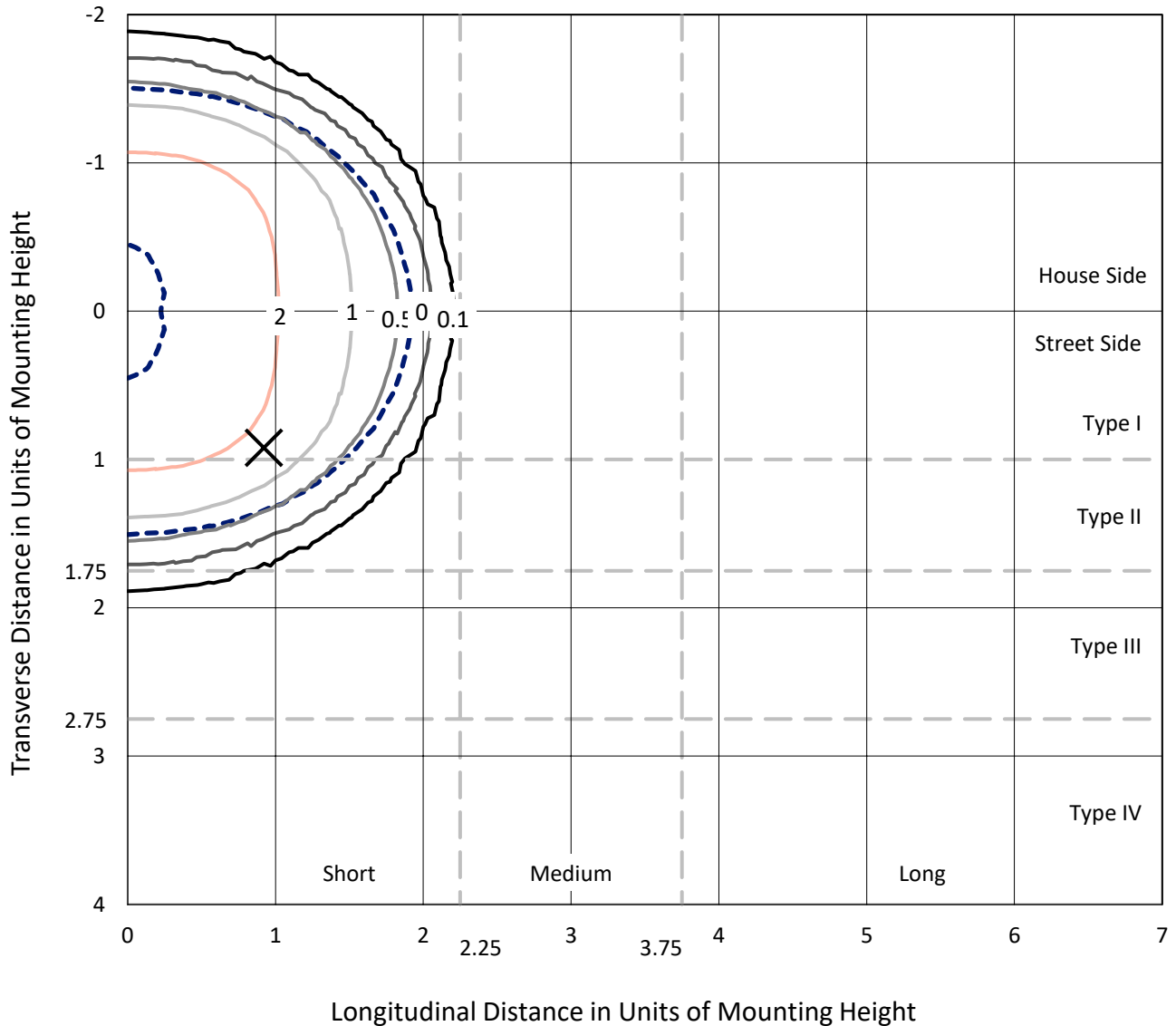
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

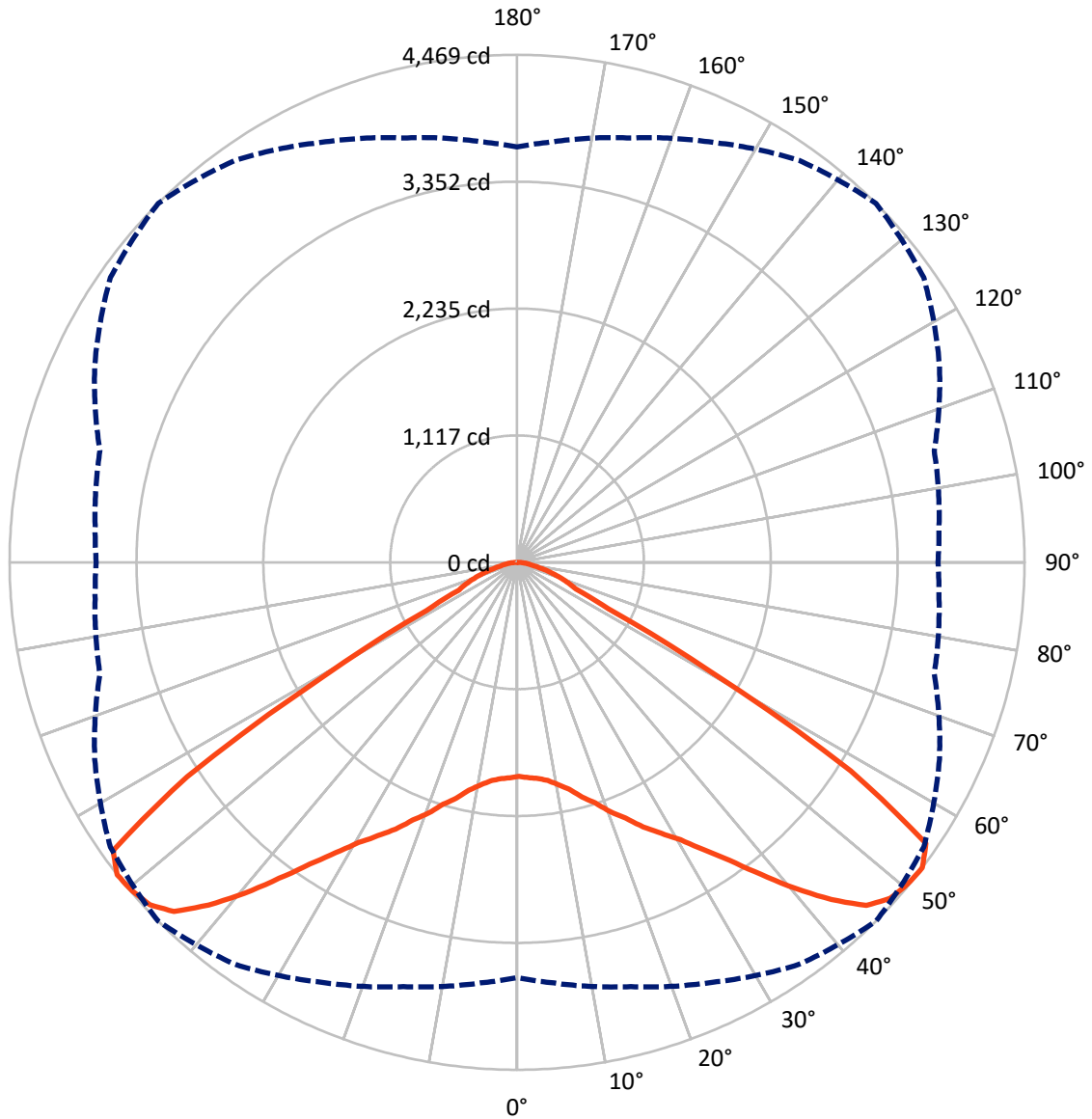
× Max cd  
 - - - 1/2 Max cd



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 52.5-Deg Vertical

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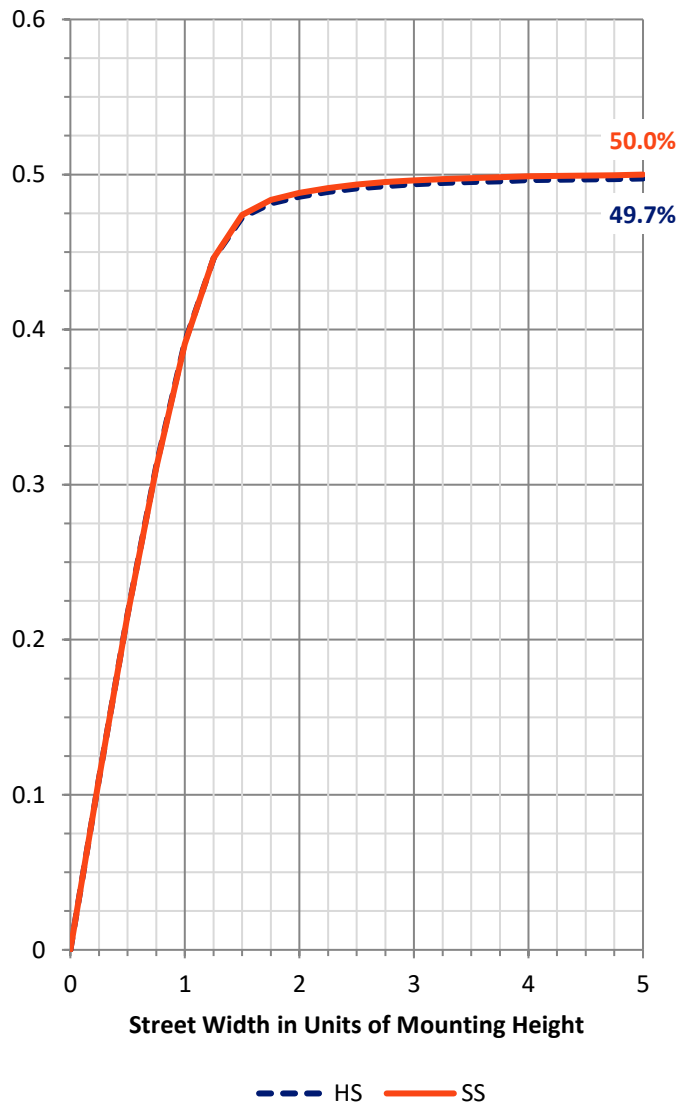
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5641.0	0.0	5641.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5641.0	0.0	5641.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11282.0	0.0	11282.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.3	1.6
10°-20°	608.8	5.4
20°-30°	1159.2	10.3
30°-40°	1990.3	17.6
40°-50°	3059.2	27.1
50°-60°	3106.6	27.5
60°-70°	865.7	7.7
70°-80°	255.4	2.3
80°-90°	51.4	0.5
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°	11282.0	100.0
0°-180°	11282.0	100.0

**Coefficient of Utilization**



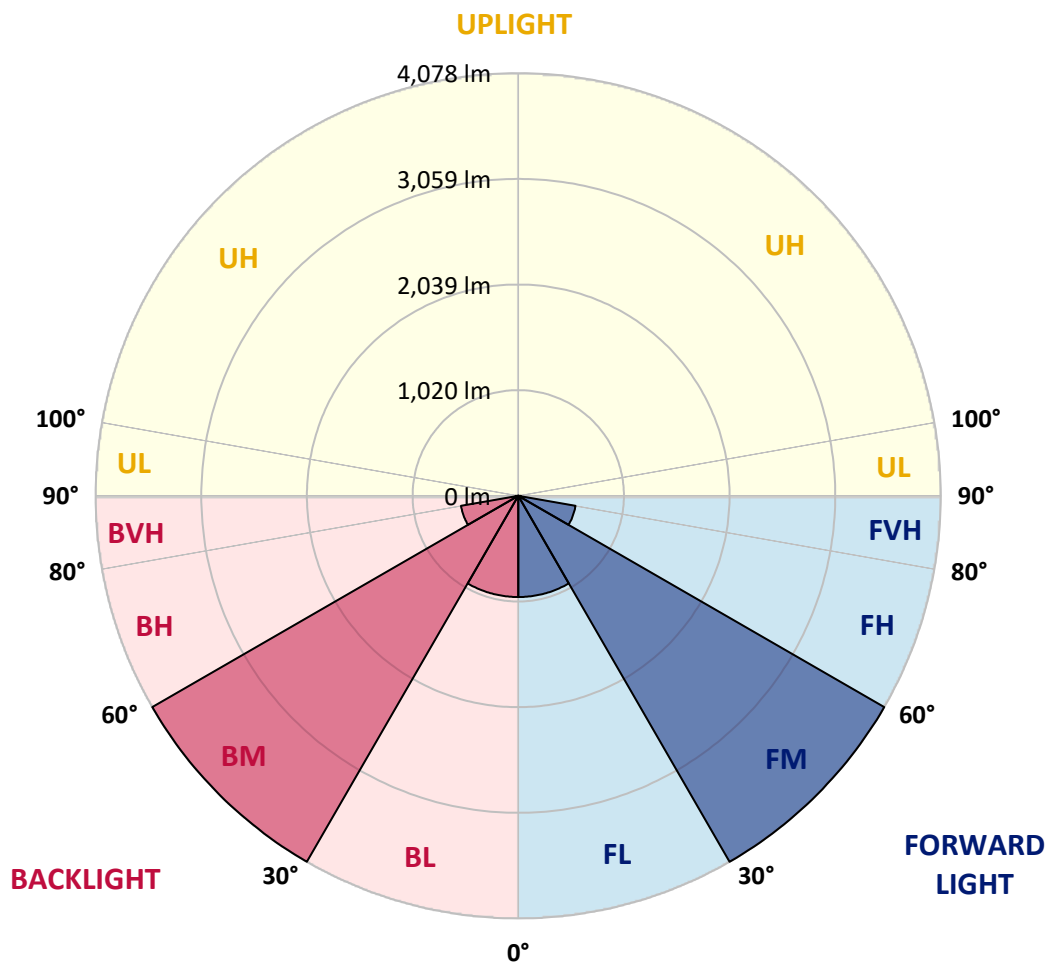
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	976.6	8.7			
FM (30°-60°)	4078.1	36.1			
FH (60°-80°)	560.6	5.0			G0/660
FVH (80°-90°)	25.7	0.2			G1/100
BL (0°-30°)	976.6	8.7	B2/1000		
BM (30°-60°)	4078.1	36.1	B3/5000		
BH (60°-80°)	560.6	5.0	B2/1000		G0/660
BVH (80°-90°)	25.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9
2.5°	1890.1	1870.5	1877.5	1881.7	1899.9	1898.5	1894.3	1899.9	1905.5	1906.9	1904.1
5°	1888.7	1874.7	1880.3	1884.5	1902.7	1912.5	1909.7	1933.5	1950.3	1946.1	1967.1
7.5°	1877.5	1885.9	1878.9	1899.9	1915.3	1939.1	1964.3	1986.7	2007.7	2031.5	2035.7
10°	1902.7	1902.7	1915.3	1932.1	1972.7	1990.9	2027.3	2059.5	2100.2	2128.2	2117.0
12.5°	1929.3	1933.5	1933.5	1976.9	2010.5	2051.1	2084.7	2128.2	2185.6	2219.2	2236.0
15°	1955.9	1958.7	1972.7	2031.5	2081.9	2146.4	2177.2	2216.4	2248.6	2311.6	2313.0
17.5°	1979.7	1995.1	2037.1	2103.0	2166.0	2227.6	2276.6	2317.2	2345.2	2370.4	2364.8
20°	2069.3	2080.5	2124.0	2189.8	2283.6	2343.8	2360.6	2367.6	2385.8	2436.2	2420.8
22.5°	2156.2	2160.4	2201.0	2301.8	2367.6	2447.4	2465.6	2461.4	2468.4	2481.0	2503.4
25°	2245.8	2252.8	2308.8	2394.2	2486.6	2581.8	2597.2	2565.0	2555.2	2569.2	2570.6
27.5°	2360.6	2362.0	2433.4	2507.6	2612.6	2702.2	2726.0	2700.8	2654.6	2665.8	2684.0
30°	2506.2	2496.4	2567.8	2674.2	2784.8	2835.2	2875.8	2863.2	2812.8	2803.0	2787.6
32.5°	2674.2	2677.0	2741.4	2857.6	2930.4	3014.4	3057.8	3036.8	3004.6	2987.8	2997.6
35°	2910.8	2923.4	2966.8	3063.4	3181.0	3223.0	3291.6	3246.8	3162.8	3183.8	3202.0
37.5°	3105.4	3141.8	3223.0	3337.8	3407.8	3484.8	3510.1	3449.8	3388.2	3363.0	3423.2
40°	3403.6	3392.4	3482.0	3596.9	3700.5	3777.5	3745.3	3685.1	3532.5	3533.9	3550.7
42.5°	3659.9	3665.5	3734.1	3871.3	4012.7	4060.3	3958.1	3811.1	3641.7	3623.5	3659.9
45°	3875.5	3897.9	3937.1	4120.5	4259.1	4310.9	4121.9	3948.3	3721.5	3645.9	3706.1
47.5°	3952.5	3988.9	4074.3	4242.3	4379.5	4421.5	4270.3	4021.1	3795.7	3672.5	3704.7
50°	3963.7	3951.1	4091.1	4245.1	4365.5	4456.5	4323.5	4074.3	3777.5	3713.1	3703.3
52.5°	3657.1	3718.7	3868.5	4079.9	4323.5	4469.1	4371.1	4103.7	3802.7	3729.9	3706.1
55°	2959.8	2887.0	3160.0	3515.7	3963.7	4368.3	4354.3	4119.1	3818.1	3757.9	3725.7
57.5°	1652.1	1673.1	1827.1	2213.6	2791.8	3463.8	3871.3	3956.7	3811.1	3776.1	3792.9
60°	764.5	771.5	837.3	1017.9	1376.3	1964.3	2500.6	3045.2	3295.8	3346.2	3346.2
62.5°	569.8	567.0	583.8	616.0	691.6	903.1	1205.5	1638.1	1982.5	2223.4	2286.4
65°	515.2	513.8	522.2	533.4	539.0	568.4	635.6	768.7	880.7	945.1	933.9
67.5°	450.8	449.4	452.2	459.2	469.0	484.4	501.2	529.2	568.4	565.6	558.6
70°	364.0	364.0	368.2	373.8	385.0	403.2	422.8	442.4	476.0	483.0	481.6
72.5°	268.8	264.6	273.0	284.2	295.4	317.8	338.8	357.0	380.8	387.8	385.0
75°	170.8	173.6	179.2	191.8	211.4	226.8	249.2	264.6	280.0	285.6	287.0
77.5°	95.2	98.0	107.8	123.2	142.8	159.6	179.2	191.8	201.6	203.0	204.4
80°	57.4	58.8	68.6	82.6	99.4	117.6	133.0	145.6	154.0	149.8	148.4
82.5°	35.0	36.4	44.8	57.4	71.4	85.4	102.2	113.4	121.8	116.2	110.6
85°	18.2	19.6	26.6	35.0	46.2	53.2	53.2	47.6	46.2	43.4	42.0
87.5°	5.6	5.6	7.0	8.4	7.0	8.4	9.8	11.2	11.2	12.6	11.2
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)