

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: P527944

Luminaire Tested: **GALN-SA3A-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527944  
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-SA3A-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 615mA 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: 10894 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

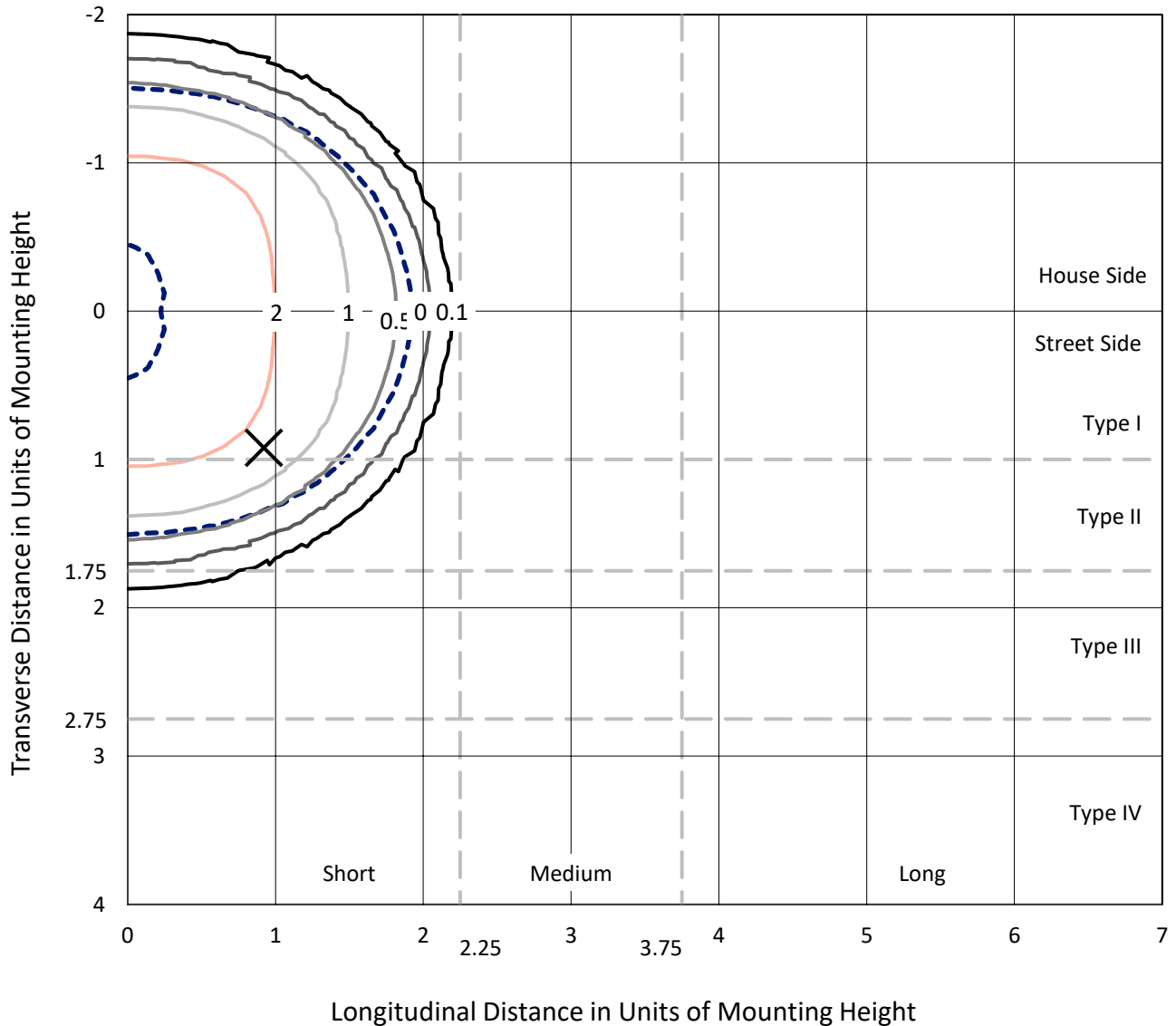
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

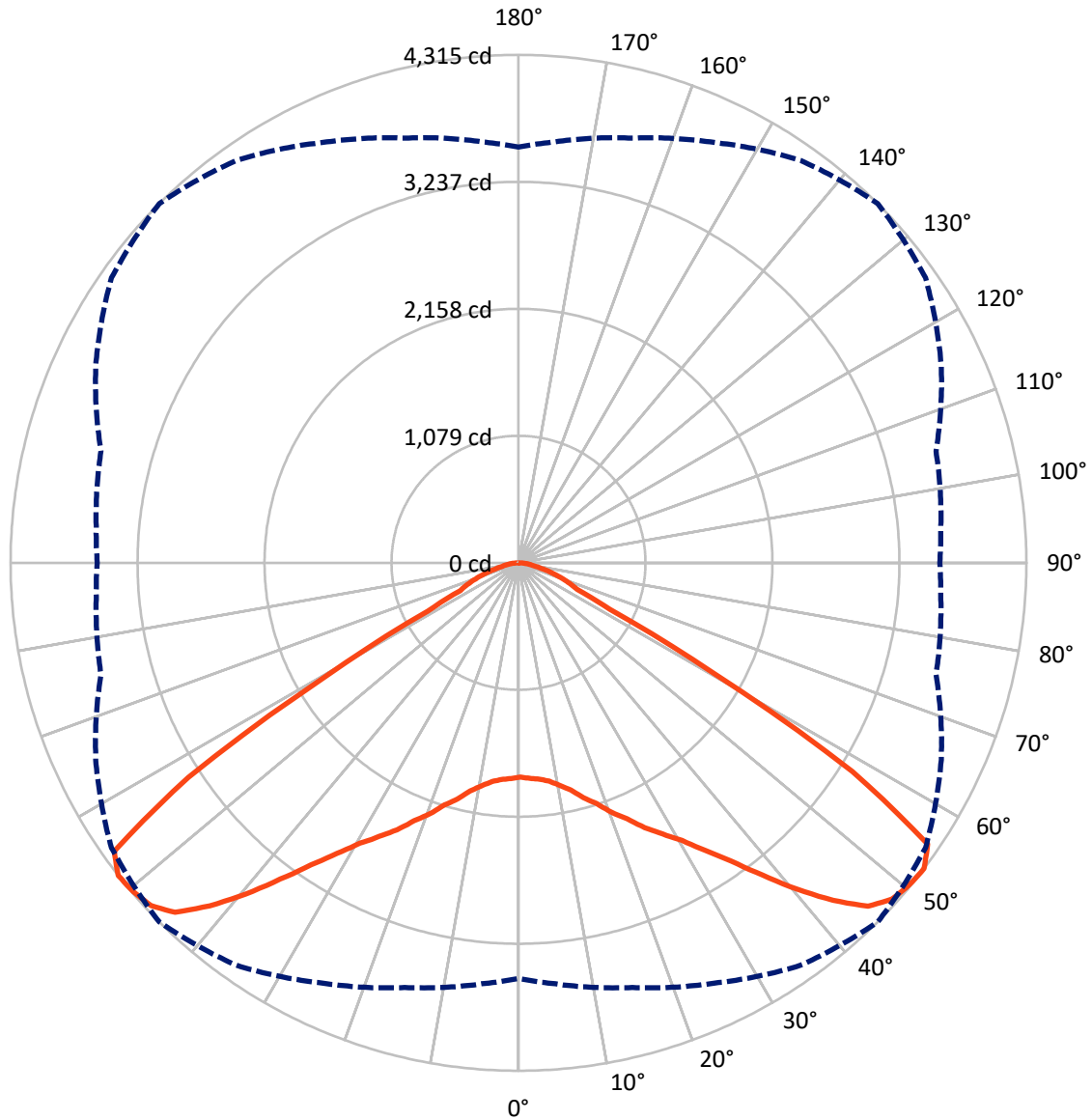
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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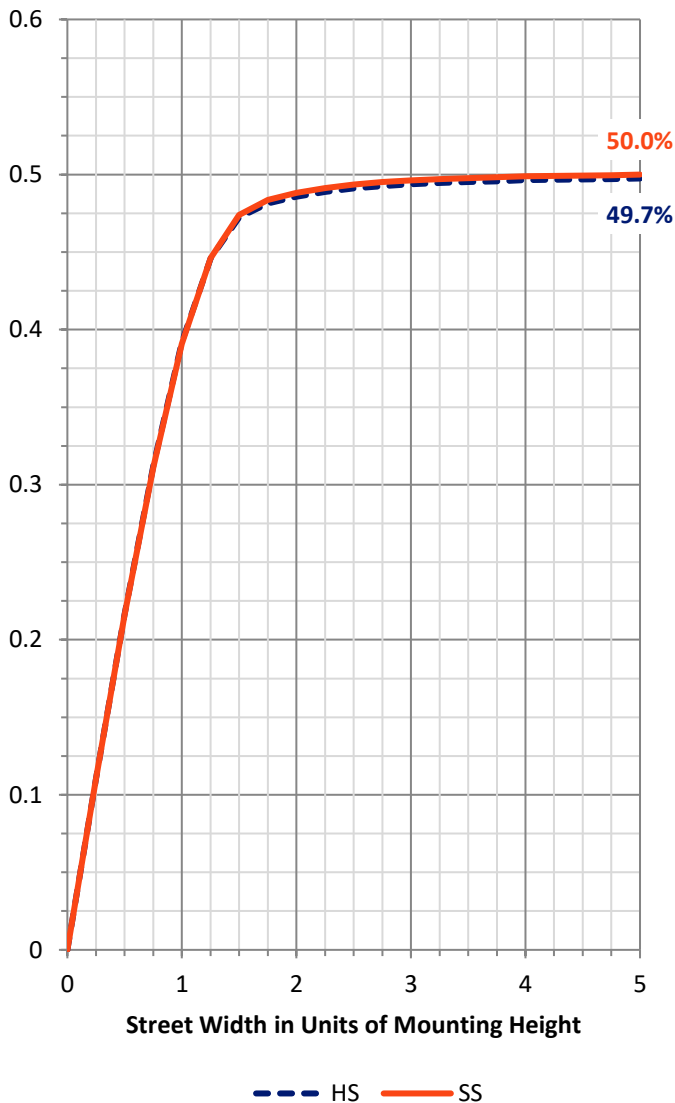
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5447.0	0.0	5447.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5447.0	0.0	5447.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10894.0	0.0	10894.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.9	1.6
10°-20°	587.9	5.4
20°-30°	1119.3	10.3
30°-40°	1921.9	17.6
40°-50°	2954.0	27.1
50°-60°	2999.7	27.5
60°-70°	836.0	7.7
70°-80°	246.6	2.3
80°-90°	49.7	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°	10894.0	100.0
0°-180°	10894.0	100.0

**Coefficient of Utilization**



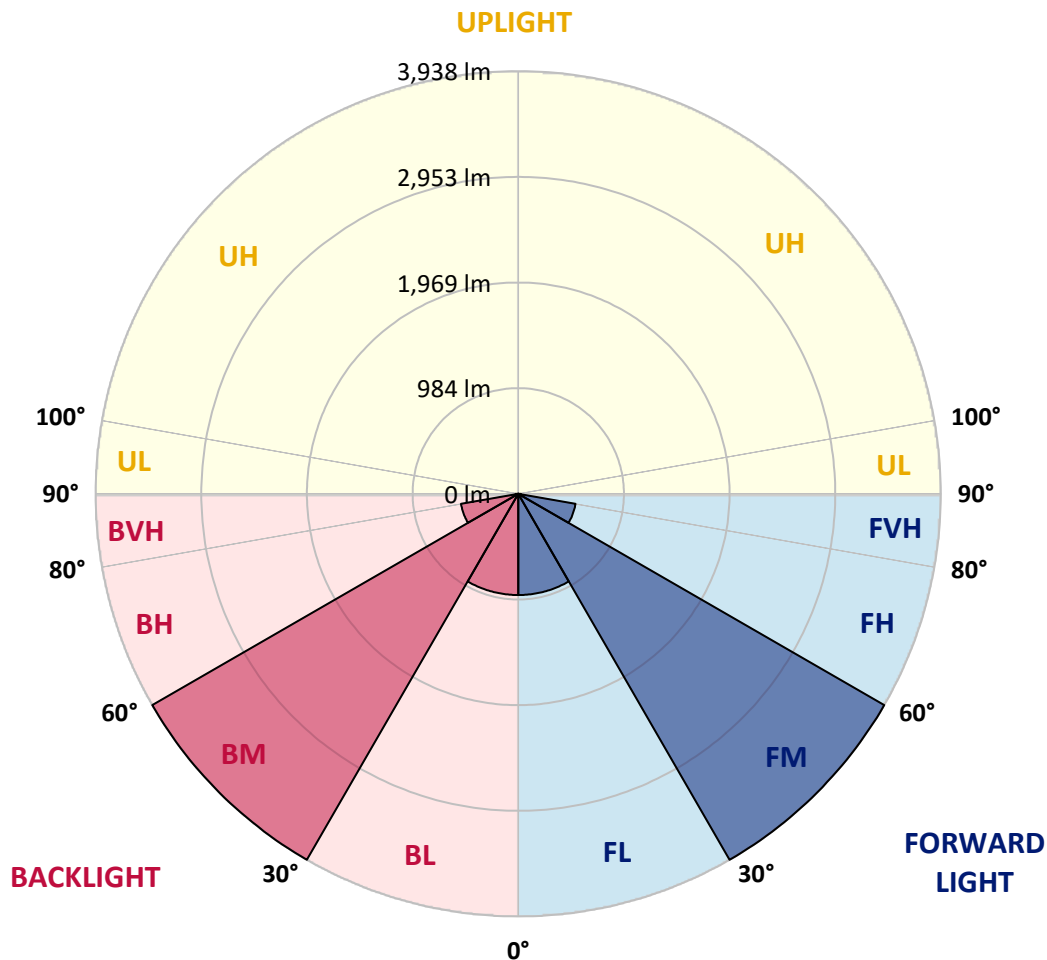
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	943.1	8.7			
FM (30°-60°)	3937.8	36.1			
FH (60°-80°)	541.3	5.0			G0/660
FVH (80°-90°)	24.8	0.2			G1/100
BL (0°-30°)	943.1	8.7	B2/1000		
BM (30°-60°)	3937.8	36.1	B3/5000		
BH (60°-80°)	541.3	5.0	B2/1000		G0/660
BVH (80°-90°)	24.8	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°	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1
2.5°	1825.1	1806.2	1813.0	1817.0	1834.6	1833.2	1829.2	1834.6	1840.0	1841.4	1838.7
5°	1823.8	1810.3	1815.7	1819.7	1837.3	1846.8	1844.1	1867.0	1883.3	1879.2	1899.5
7.5°	1813.0	1821.1	1814.3	1834.6	1849.5	1872.4	1896.8	1918.4	1938.7	1961.7	1965.7
10°	1837.3	1837.3	1849.5	1865.7	1904.9	1922.5	1957.6	1988.7	2027.9	2055.0	2044.1
12.5°	1863.0	1867.0	1867.0	1909.0	1941.4	1980.6	2013.1	2055.0	2110.4	2142.8	2159.1
15°	1888.7	1891.4	1904.9	1961.7	2010.3	2072.5	2102.3	2140.1	2171.2	2232.1	2233.4
17.5°	1911.7	1926.5	1967.1	2030.6	2091.5	2151.0	2198.3	2237.5	2264.5	2288.9	2283.4
20°	1998.2	2009.0	2050.9	2114.4	2205.0	2263.2	2279.4	2286.1	2303.7	2352.4	2337.5
22.5°	2082.0	2086.1	2125.3	2222.6	2286.1	2363.2	2380.8	2376.7	2383.5	2395.7	2417.3
25°	2168.5	2175.3	2229.4	2311.8	2401.1	2493.0	2507.9	2476.8	2467.3	2480.8	2482.2
27.5°	2279.4	2280.7	2349.7	2421.3	2522.7	2609.3	2632.2	2607.9	2563.3	2574.1	2591.7
30°	2420.0	2410.5	2479.5	2582.2	2689.0	2737.7	2776.9	2764.7	2716.1	2706.6	2691.7
32.5°	2582.2	2584.9	2647.1	2759.3	2829.6	2910.7	2952.7	2932.4	2901.3	2885.1	2894.5
35°	2810.7	2822.9	2864.8	2958.1	3071.6	3112.2	3178.4	3135.2	3054.1	3074.3	3091.9
37.5°	2998.6	3033.8	3112.2	3223.0	3290.6	3365.0	3389.3	3331.2	3271.7	3247.4	3305.5
40°	3286.6	3275.8	3362.3	3473.2	3573.2	3647.6	3616.5	3558.3	3411.0	3412.3	3428.5
42.5°	3534.0	3539.4	3605.6	3738.1	3874.7	3920.7	3822.0	3680.0	3516.4	3498.8	3534.0
45°	3742.2	3763.8	3801.7	3978.8	4112.6	4162.7	3980.1	3812.5	3593.5	3520.5	3578.6
47.5°	3816.6	3851.7	3934.2	4096.4	4228.9	4269.5	4123.4	3882.8	3665.1	3546.2	3577.3
50°	3827.4	3815.2	3950.4	4099.1	4215.4	4303.3	4174.8	3934.2	3647.6	3585.4	3575.9
52.5°	3531.3	3590.8	3735.4	3939.6	4174.8	4315.4	4220.8	3962.6	3671.9	3601.6	3578.6
55°	2858.0	2787.7	3051.3	3394.7	3827.4	4218.1	4204.6	3977.4	3686.8	3628.6	3597.5
57.5°	1595.3	1615.6	1764.3	2137.4	2695.8	3344.7	3738.1	3820.6	3680.0	3646.2	3662.4
60°	738.2	744.9	808.5	982.9	1329.0	1896.8	2414.6	2940.5	3182.5	3231.2	3231.2
62.5°	550.2	547.5	563.8	594.9	667.9	872.0	1164.0	1581.8	1914.4	2146.9	2207.7
65°	497.5	496.2	504.3	515.1	520.5	548.9	613.8	742.2	850.4	912.6	901.8
67.5°	435.3	434.0	436.7	443.4	452.9	467.8	484.0	511.0	548.9	546.2	539.4
70°	351.5	351.5	355.6	361.0	371.8	389.4	408.3	427.2	459.7	466.4	465.1
72.5°	259.6	255.5	263.6	274.4	285.3	306.9	327.2	344.7	367.7	374.5	371.8
75°	164.9	167.6	173.0	185.2	204.1	219.0	240.6	255.5	270.4	275.8	277.1
77.5°	91.9	94.6	104.1	119.0	137.9	154.1	173.0	185.2	194.7	196.0	197.4
80°	55.4	56.8	66.2	79.8	96.0	113.6	128.4	140.6	148.7	144.7	143.3
82.5°	33.8	35.2	43.3	55.4	68.9	82.5	98.7	109.5	117.6	112.2	106.8
85°	17.6	18.9	25.7	33.8	44.6	51.4	51.4	46.0	44.6	41.9	40.6
87.5°	5.4	5.4	6.8	8.1	6.8	8.1	9.5	10.8	10.8	12.2	10.8
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)