

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: P533794

Luminaire Tested: **GALN-SA9B-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533794  
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-SA9B-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 800mA 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: 41165 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

Input Watts (W): 364  
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

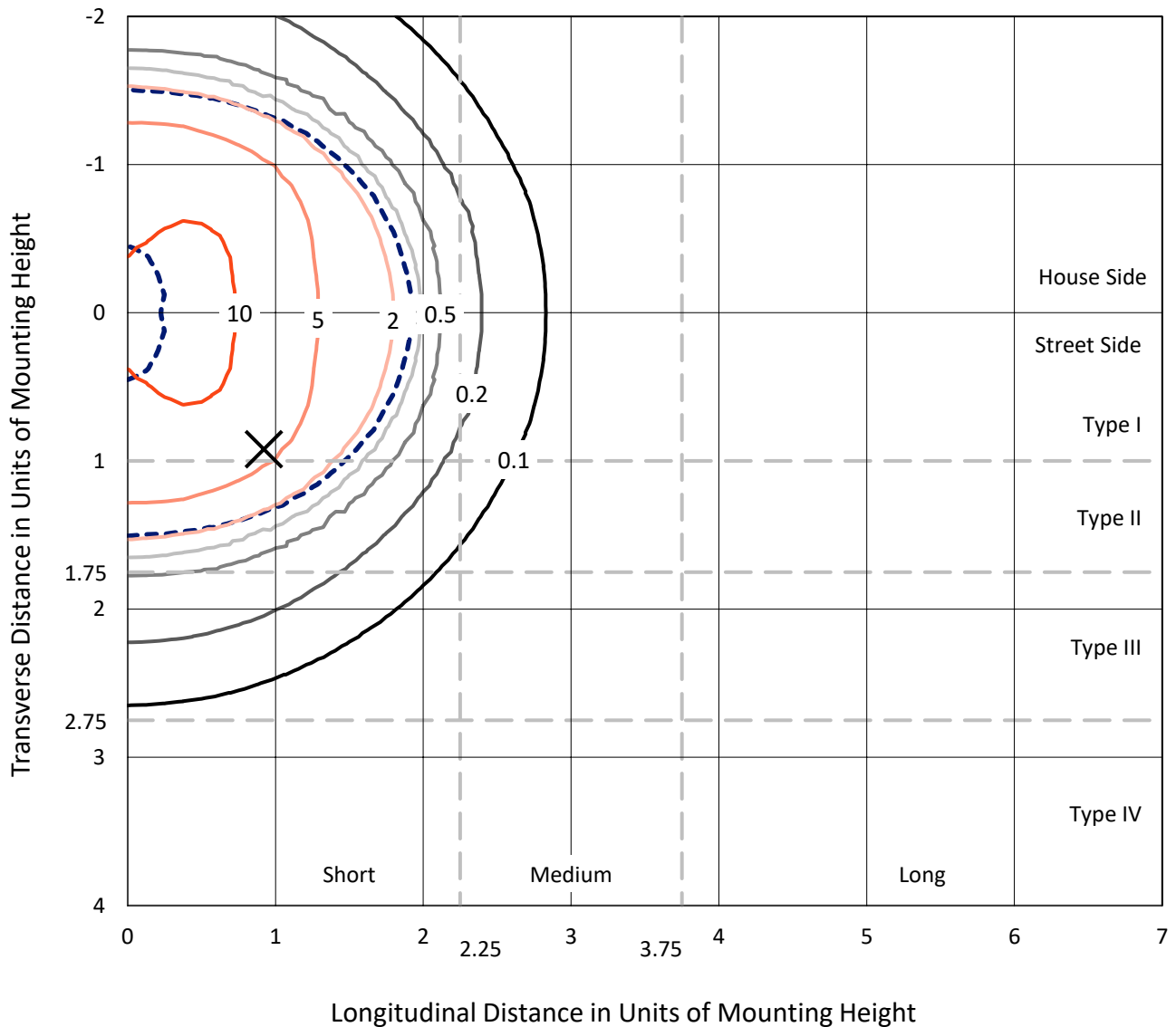




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### Iso-Footcandle Lines of Horizontal Illumination

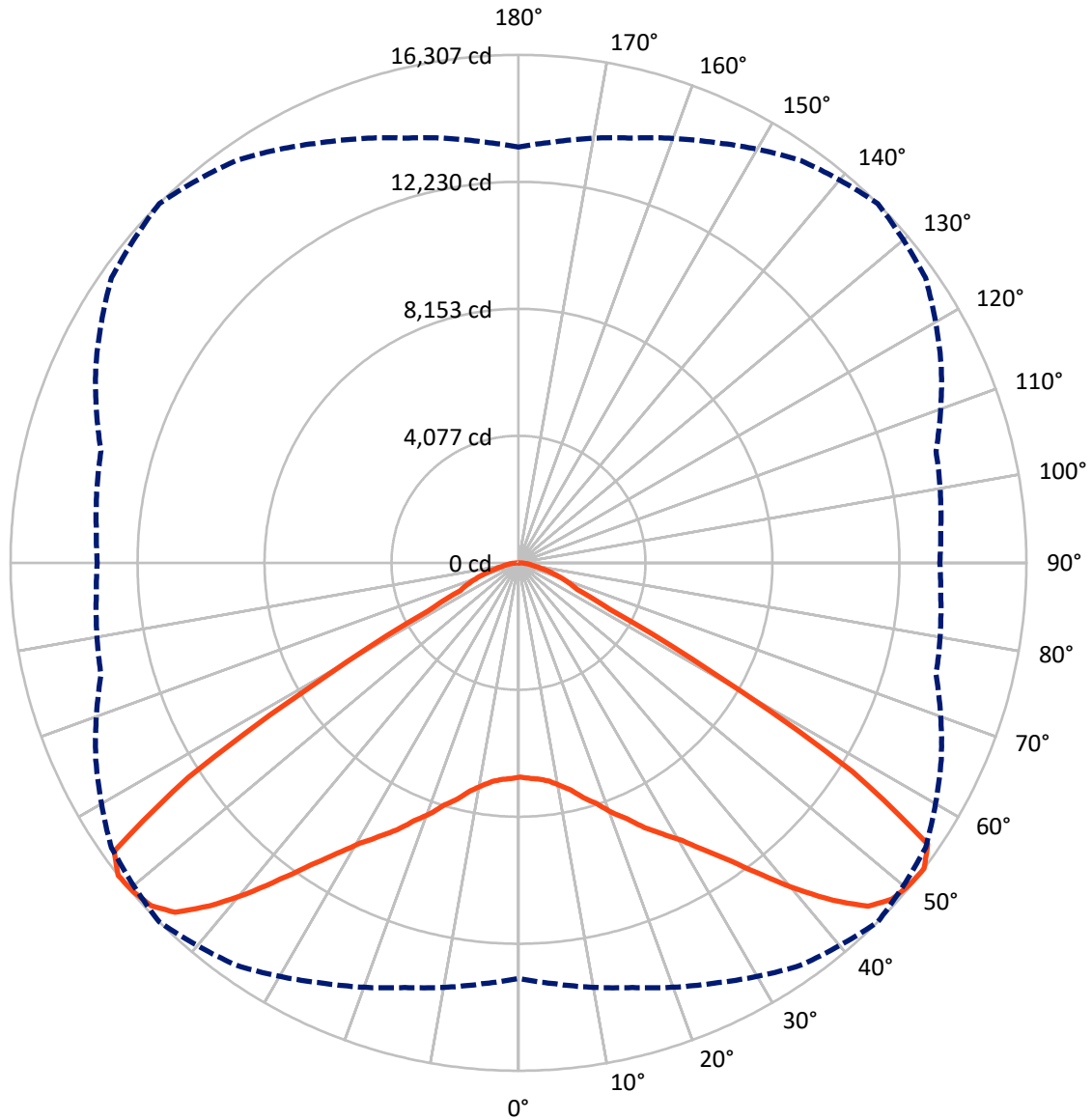
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 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	20582.5	0.0	20582.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20582.5	0.0	20582.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41165.0	0.0	41165.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	676.1	1.6
10°-20°	2221.5	5.4
20°-30°	4229.4	10.3
30°-40°	7262.2	17.6
40°-50°	11162.2	27.1
50°-60°	11335.1	27.5
60°-70°	3158.9	7.7
70°-80°	931.9	2.3
80°-90°	187.7	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°	41165.0	100.0
0°-180°	41165.0	100.0

**Coefficient of Utilization**

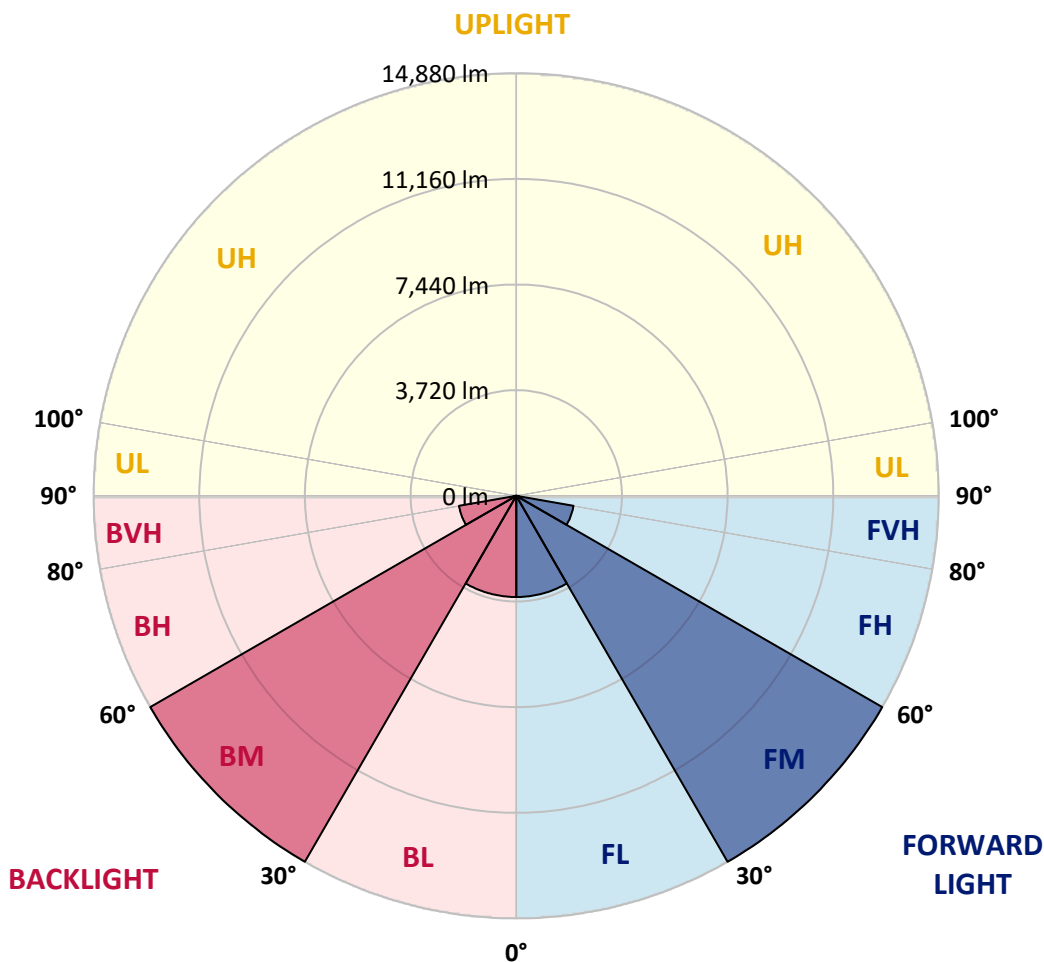


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3563.5	8.7			
FM (30°-60°)	14879.8	36.1			
FH (60°-80°)	2045.4	5.0			G2/5000
FVH (80°-90°)	93.8	0.2			G1/100
BL (0°-30°)	3563.5	8.7	B4/5000		
BM (30°-60°)	14879.8	36.1	B5		
BH (60°-80°)	2045.4	5.0	B3/2500		G2/5000
BVH (80°-90°)	93.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6881.3	6881.3	6881.3	6881.3	6881.3	6881.3	6881.3	6881.3	6881.3	6881.3	6881.3
2.5°	6896.6	6825.1	6850.6	6865.9	6932.4	6927.2	6911.9	6932.4	6952.8	6957.9	6947.7
5°	6891.5	6840.4	6860.8	6876.2	6942.6	6978.3	6968.1	7055.0	7116.3	7100.9	7177.6
7.5°	6850.6	6881.3	6855.7	6932.4	6988.6	7075.4	7167.4	7249.1	7325.7	7412.6	7427.9
10°	6942.6	6942.6	6988.6	7049.9	7198.0	7264.4	7397.2	7514.7	7662.9	7765.1	7724.2
12.5°	7039.6	7055.0	7055.0	7213.3	7335.9	7484.1	7606.7	7765.1	7974.5	8097.1	8158.4
15°	7136.7	7146.9	7198.0	7412.6	7596.5	7831.5	7943.9	8086.9	8204.4	8434.3	8439.4
17.5°	7223.5	7279.7	7433.0	7673.1	7903.0	8127.8	8306.6	8454.7	8556.9	8648.8	8628.4
20°	7550.5	7591.4	7749.7	7989.8	8332.1	8551.8	8613.1	8638.6	8705.0	8888.9	8832.8
22.5°	7867.2	7882.6	8030.7	8398.5	8638.6	8929.8	8996.2	8980.9	9006.4	9052.4	9134.2
25°	8194.2	8219.7	8424.1	8735.7	9072.9	9420.2	9476.4	9358.9	9323.2	9374.3	9379.4
27.5°	8613.1	8618.2	8878.7	9149.5	9532.6	9859.6	9946.4	9854.5	9685.9	9726.8	9793.2
30°	9144.4	9108.6	9369.2	9757.4	10161.0	10344.9	10493.0	10447.1	10263.2	10227.4	10171.2
32.5°	9757.4	9767.6	10002.6	10426.6	10692.3	10998.8	11157.2	11080.5	10963.0	10901.7	10937.5
35°	10620.8	10666.7	10825.1	11177.6	11606.7	11760.0	12010.3	11846.8	11540.3	11616.9	11683.3
37.5°	11330.9	11463.7	11760.0	12178.9	12434.3	12715.3	12807.2	12587.6	12362.8	12270.8	12490.5
40°	12419.0	12378.1	12705.1	13124.0	13502.0	13783.0	13665.5	13445.8	12889.0	12894.1	12955.4
42.5°	13353.9	13374.3	13624.6	14125.3	14641.2	14814.9	14442.0	13905.6	13287.4	13221.0	13353.9
45°	14140.6	14222.3	14365.4	15034.6	15540.3	15729.4	15039.7	14406.2	13578.6	13302.8	13522.4
47.5°	14421.6	14554.4	14866.0	15479.0	15979.7	16132.9	15581.2	14671.9	13849.4	13399.8	13517.3
50°	14462.4	14416.4	14927.3	15489.2	15928.6	16260.6	15775.3	14866.0	13783.0	13548.0	13512.2
52.5°	13343.6	13568.4	14115.0	14886.4	15775.3	16306.6	15949.0	14973.3	13874.9	13609.3	13522.4
55°	10799.6	10533.9	11530.1	12827.7	14462.4	15938.8	15887.7	15029.5	13931.1	13711.5	13594.0
57.5°	6028.1	6104.8	6666.7	8076.7	10186.5	12638.7	14125.3	14436.9	13905.6	13777.9	13839.2
60°	2789.3	2814.8	3054.9	3713.9	5021.7	7167.4	9123.9	11111.2	12025.6	12209.5	12209.5
62.5°	2079.2	2069.0	2130.3	2247.8	2523.6	3295.0	4398.5	5977.1	7233.8	8112.4	8342.3
65°	1880.0	1874.9	1905.5	1946.4	1966.8	2074.1	2319.3	2804.6	3213.3	3448.3	3407.4
67.5°	1645.0	1639.9	1650.1	1675.6	1711.4	1767.6	1828.9	1931.0	2074.1	2063.9	2038.3
70°	1328.2	1328.2	1343.6	1364.0	1404.9	1471.3	1542.8	1614.3	1736.9	1762.5	1757.4
72.5°	980.8	965.5	996.2	1037.0	1077.9	1159.7	1236.3	1302.7	1389.5	1415.1	1404.9
75°	623.2	633.5	653.9	699.9	771.4	827.6	909.3	965.5	1021.7	1042.2	1047.3
77.5°	347.4	357.6	393.4	449.6	521.1	582.4	653.9	699.9	735.6	740.7	745.9
80°	209.5	214.6	250.3	301.4	362.7	429.1	485.3	531.3	561.9	546.6	541.5
82.5°	127.7	132.8	163.5	209.5	260.5	311.6	372.9	413.8	444.4	424.0	403.6
85°	66.4	71.5	97.1	127.7	168.6	194.1	194.1	173.7	168.6	158.4	153.3
87.5°	20.4	20.4	25.5	30.7	25.5	30.7	35.8	40.9	40.9	46.0	40.9
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)