

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: P532910

Luminaire Tested: **GALN-SA8B-740-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532910  
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-SA8B-740-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 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: 40262 lumens  
Efficiency: N/A  
Efficacy: 123.9 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

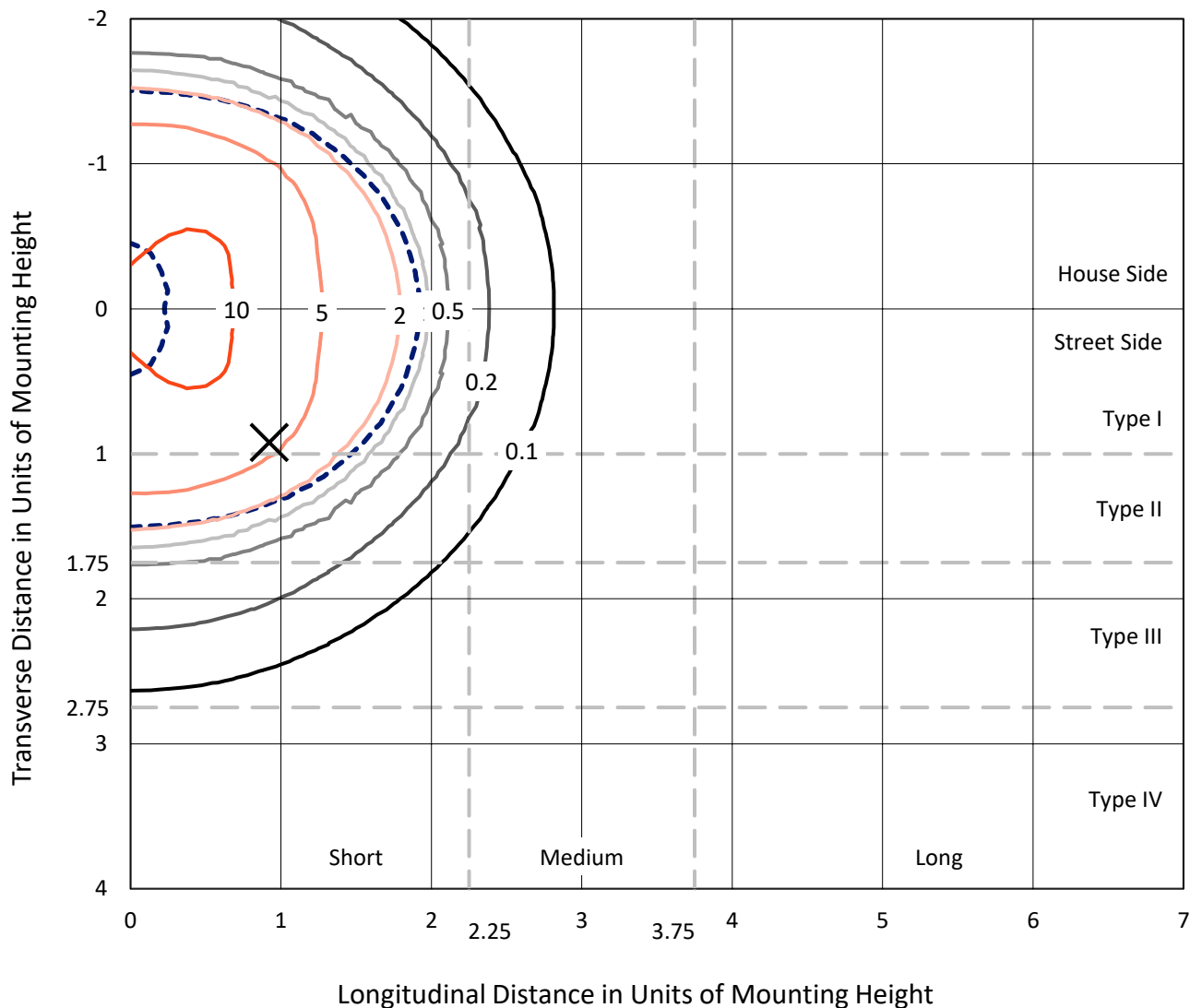
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

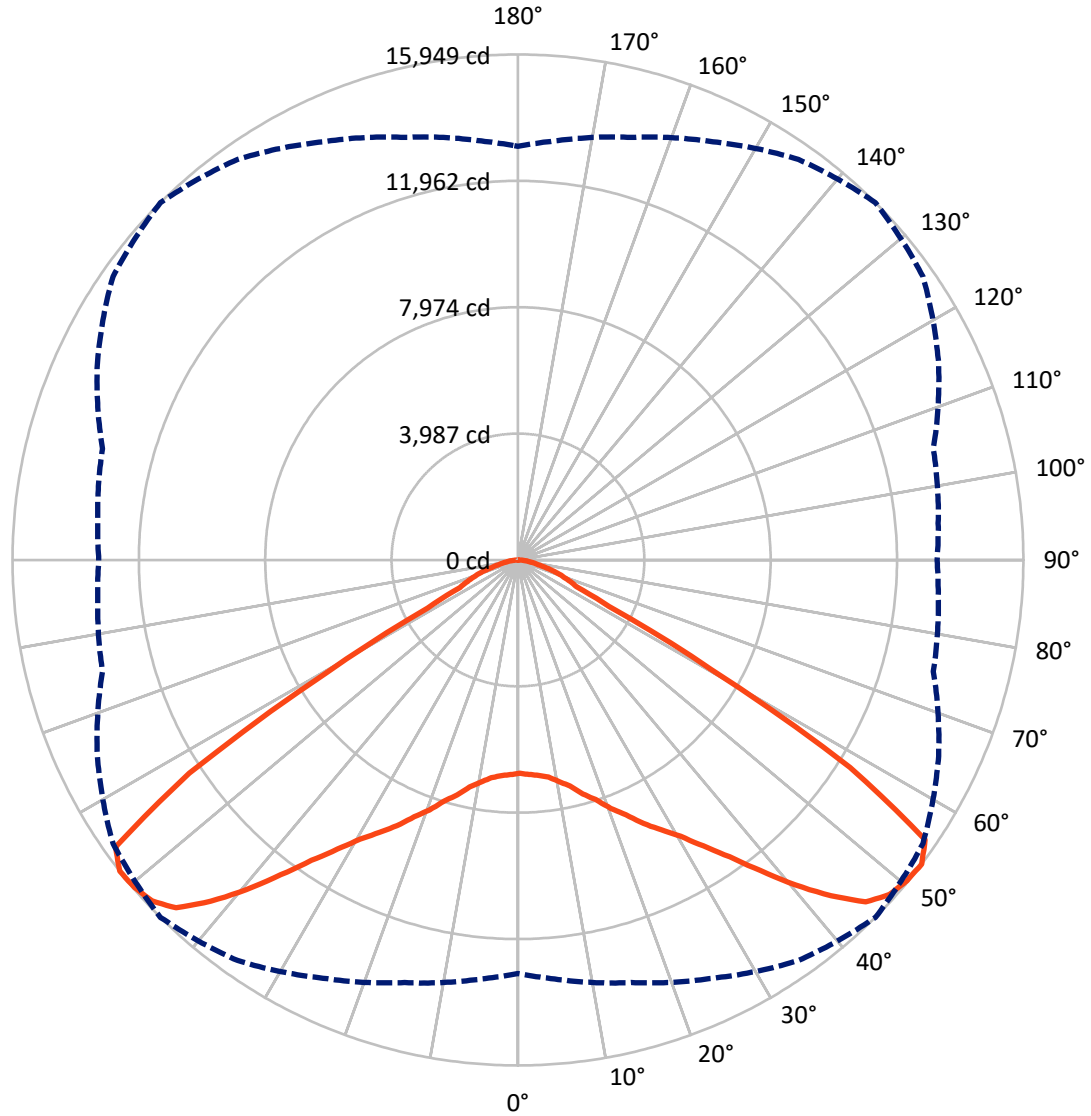
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	20131.0	0.0	20131.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20131.0	0.0	20131.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40262.0	0.0	40262.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	661.2	1.6
10°-20°	2172.8	5.4
20°-30°	4136.6	10.3
30°-40°	7102.9	17.6
40°-50°	10917.4	27.1
50°-60°	11086.4	27.5
60°-70°	3089.6	7.7
70°-80°	911.4	2.3
80°-90°	183.6	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°	40262.0	100.0
0°-180°	40262.0	100.0

**Coefficient of Utilization**

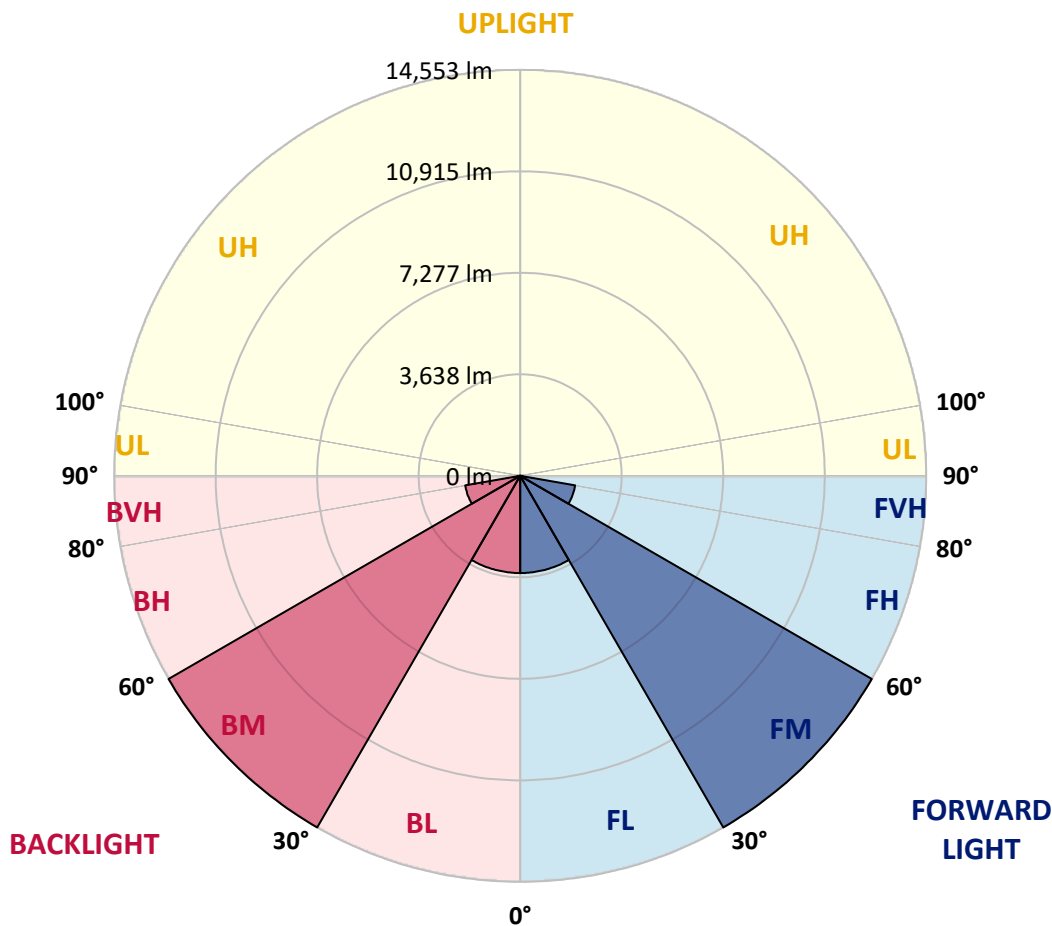


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3485.3	8.7			
FM (30°-60°)	14553.4	36.1			
FH (60°-80°)	2000.5	5.0			G2/5000
FVH (80°-90°)	91.8	0.2			G1/100
BL (0°-30°)	3485.3	8.7	B4/5000		
BM (30°-60°)	14553.4	36.1	B5		
BH (60°-80°)	2000.5	5.0	B3/2500		G2/5000
BVH (80°-90°)	91.8	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°	6730.3	6730.3	6730.3	6730.3	6730.3	6730.3	6730.3	6730.3	6730.3	6730.3	6730.3
2.5°	6745.3	6675.4	6700.3	6715.3	6780.3	6775.3	6760.3	6780.3	6800.3	6805.3	6795.3
5°	6740.3	6690.4	6710.3	6725.3	6790.3	6825.3	6815.3	6900.2	6960.2	6945.2	7020.1
7.5°	6700.3	6730.3	6705.3	6780.3	6835.3	6920.2	7010.1	7090.1	7165.0	7250.0	7265.0
10°	6790.3	6790.3	6835.3	6895.2	7040.1	7105.1	7235.0	7349.9	7494.8	7594.7	7554.8
12.5°	6885.2	6900.2	6900.2	7055.1	7175.0	7319.9	7439.8	7594.7	7799.6	7919.5	7979.5
15°	6980.2	6990.1	7040.1	7250.0	7429.8	7659.7	7769.6	7909.5	8024.4	8249.3	8254.3
17.5°	7065.1	7120.1	7269.9	7504.8	7729.6	7949.5	8124.4	8269.3	8369.2	8459.1	8439.1
20°	7384.9	7424.8	7579.7	7814.6	8149.3	8364.2	8424.1	8449.1	8514.1	8694.0	8639.0
22.5°	7694.7	7709.6	7854.5	8214.3	8449.1	8733.9	8798.9	8783.9	8808.9	8853.8	8933.8
25°	8014.4	8039.4	8239.3	8544.1	8873.8	9213.6	9268.6	9153.6	9118.7	9168.6	9173.6
27.5°	8424.1	8429.1	8684.0	8948.8	9323.5	9643.3	9728.2	9638.3	9473.4	9513.4	9578.3
30°	8943.8	8908.8	9163.6	9543.4	9938.1	10118.0	10262.9	10217.9	10038.0	10003.1	9948.1
32.5°	9543.4	9553.4	9783.2	10197.9	10457.7	10757.5	10912.4	10837.5	10722.6	10662.6	10697.6
35°	10387.8	10432.8	10587.6	10932.4	11352.1	11502.0	11746.8	11586.9	11287.2	11362.1	11427.1
37.5°	11082.3	11212.2	11502.0	11911.7	12161.6	12436.4	12526.3	12311.4	12091.6	12001.7	12216.5
40°	12146.6	12106.6	12426.4	12836.1	13205.8	13480.6	13365.7	13150.9	12606.2	12611.2	12671.2
42.5°	13060.9	13080.9	13325.7	13815.4	14320.1	14489.9	14125.2	13600.6	12996.0	12931.0	13060.9
45°	13830.4	13910.3	14050.2	14704.8	15199.4	15384.3	14709.8	14090.2	13280.8	13011.0	13225.8
47.5°	14105.2	14235.1	14539.9	15139.5	15629.1	15779.0	15239.4	14350.0	13545.6	13105.9	13220.8
50°	14145.2	14100.2	14599.9	15149.5	15579.2	15904.0	15429.3	14539.9	13480.6	13250.8	13215.8
52.5°	13050.9	13270.8	13805.4	14559.9	15429.3	15948.9	15599.2	14644.8	13570.6	13310.8	13225.8
55°	10562.7	10302.8	11277.2	12546.3	14145.2	15589.2	15539.2	14699.8	13625.5	13410.7	13295.8
57.5°	5895.9	5970.9	6520.5	7899.5	9963.1	12361.4	13815.4	14120.2	13600.6	13475.6	13535.6
60°	2728.1	2753.1	2987.9	3632.5	4911.6	7010.1	8923.8	10867.4	11761.8	11941.7	11941.7
62.5°	2033.6	2023.6	2083.6	2198.5	2468.3	3222.8	4302.0	5845.9	7075.1	7934.5	8159.3
65°	1838.7	1833.7	1863.7	1903.7	1923.7	2028.6	2268.4	2743.1	3142.8	3372.7	3332.7
67.5°	1608.9	1603.9	1613.9	1638.9	1673.8	1728.8	1788.8	1888.7	2028.6	2018.6	1993.6
70°	1299.1	1299.1	1314.1	1334.1	1374.0	1439.0	1509.0	1578.9	1698.8	1723.8	1718.8
72.5°	959.3	944.3	974.3	1014.3	1054.3	1134.2	1209.2	1274.1	1359.1	1384.0	1374.0
75°	609.6	619.6	639.6	684.5	754.5	809.4	889.4	944.3	999.3	1019.3	1024.3
77.5°	339.8	349.8	384.7	439.7	509.6	569.6	639.6	684.5	719.5	724.5	729.5
80°	204.9	209.9	244.8	294.8	354.8	419.7	474.7	519.6	549.6	534.6	529.6
82.5°	124.9	129.9	159.9	204.9	254.8	304.8	364.7	404.7	434.7	414.7	394.7
85°	65.0	70.0	94.9	124.9	164.9	189.9	189.9	169.9	164.9	154.9	149.9
87.5°	20.0	20.0	25.0	30.0	25.0	30.0	35.0	40.0	40.0	45.0	40.0
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)