

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: P533787

Luminaire Tested: **GALN-SA9B-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
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-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32273 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

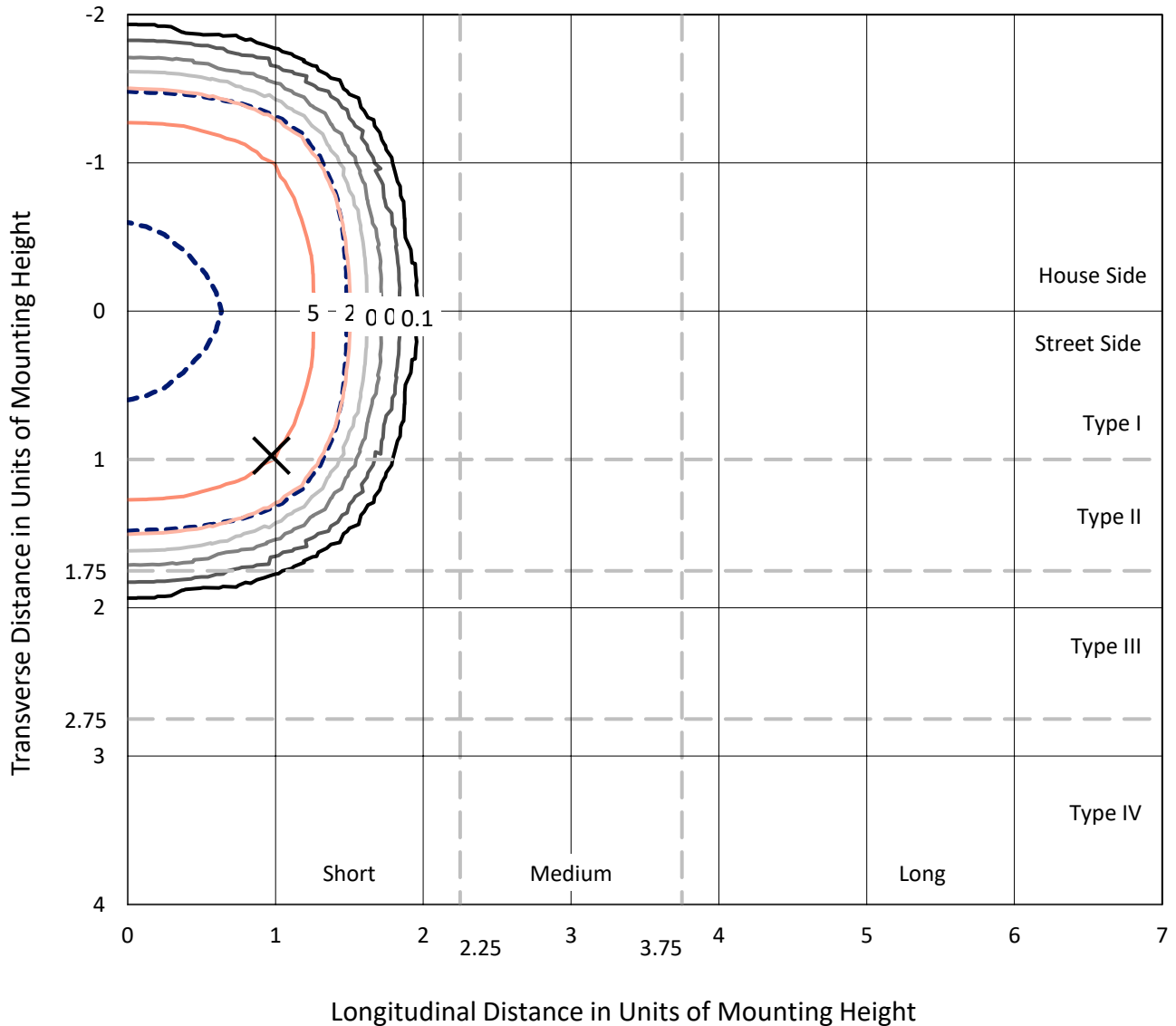
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

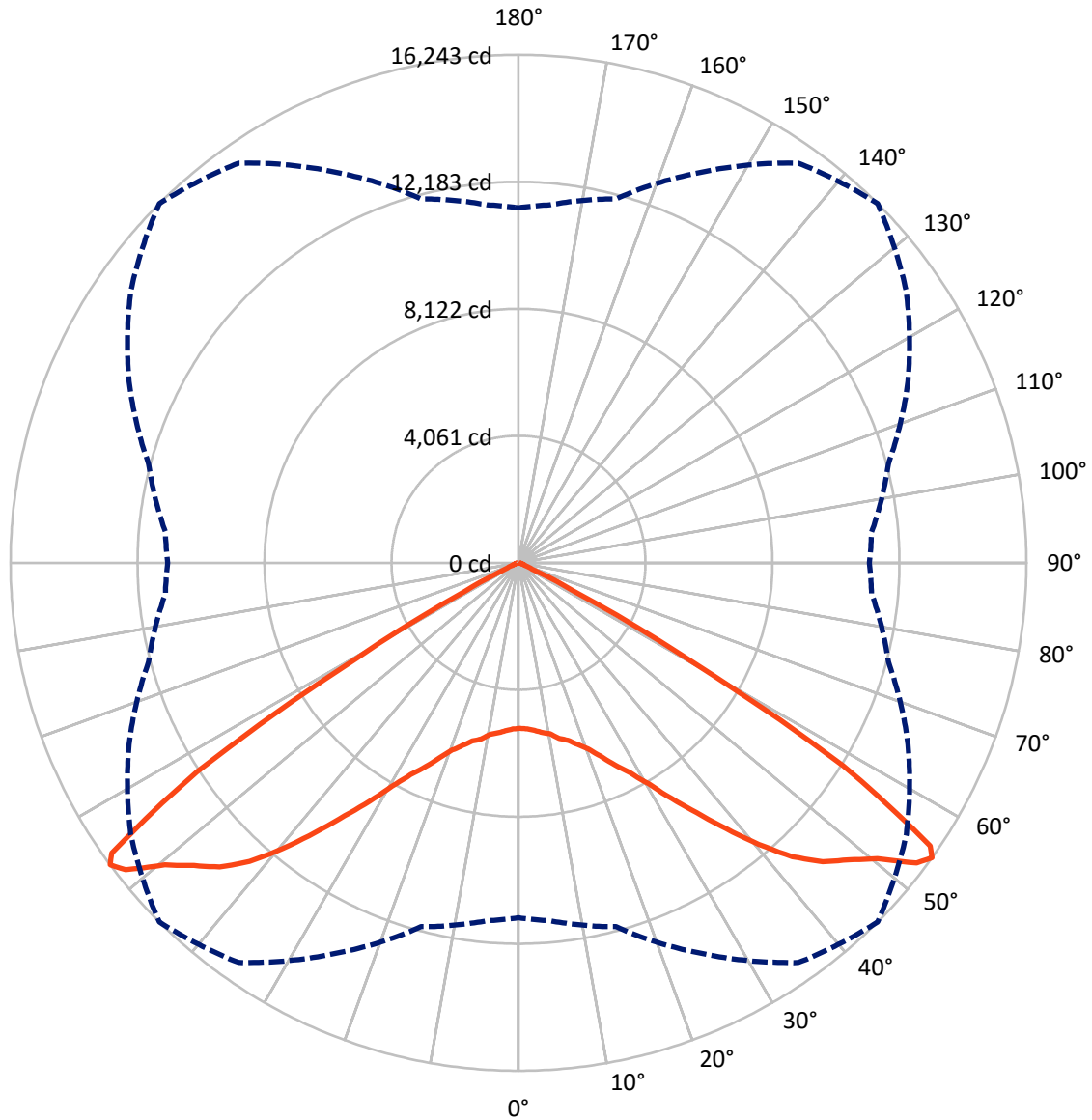
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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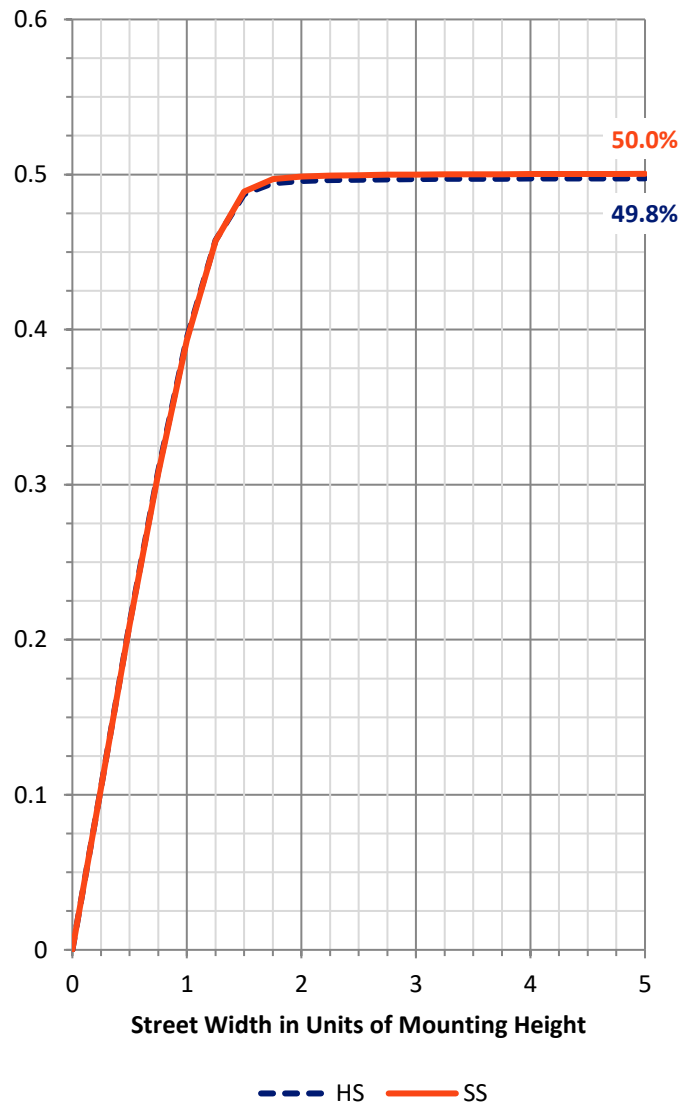
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16136.5	0.0	16136.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16136.5	0.0	16136.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32273.0	0.0	32273.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	517.9	1.6
10°-20°	1677.3	5.2
20°-30°	3287.4	10.2
30°-40°	5911.4	18.3
40°-50°	10119.1	31.4
50°-60°	9791.2	30.3
60°-70°	838.2	2.6
70°-80°	99.3	0.3
80°-90°	31.2	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°	32273.0	100.0
0°-180°	32273.0	100.0

**Coefficient of Utilization**



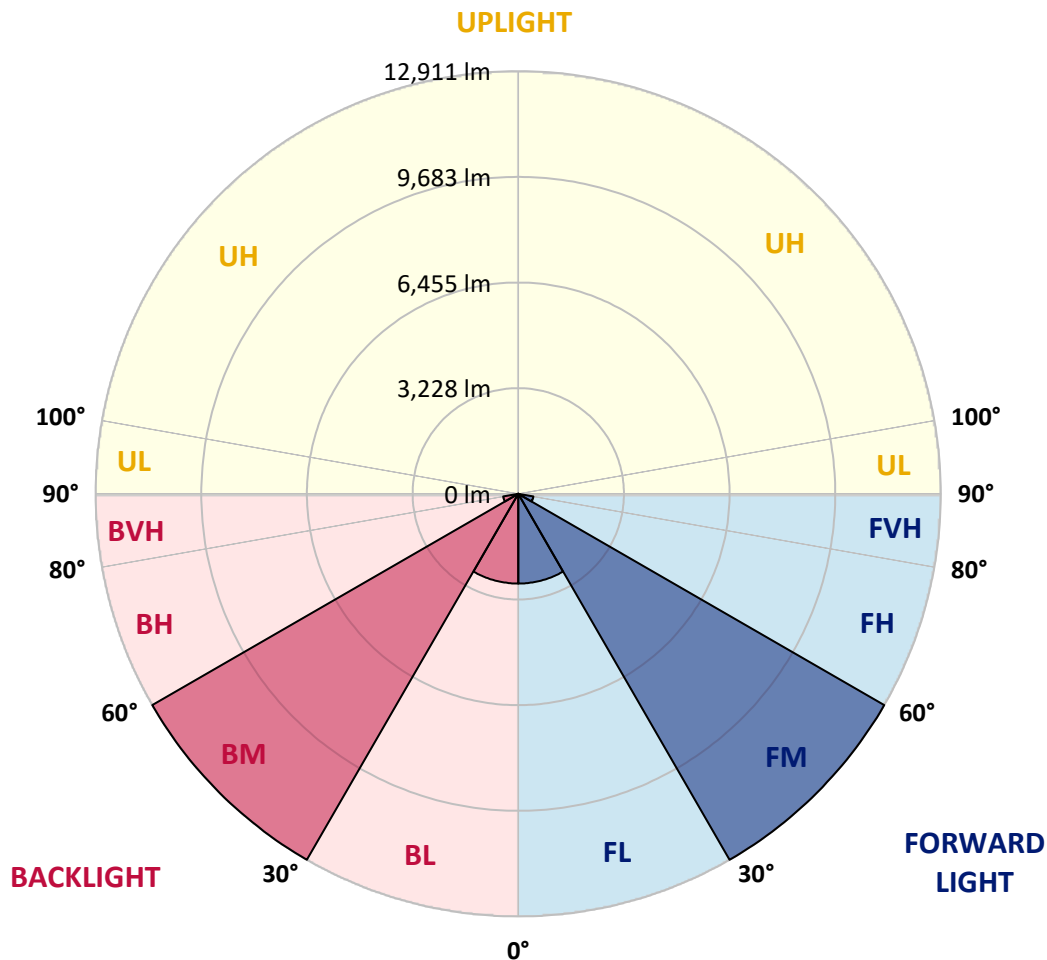
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2741.3	8.5			
FM (30°-60°)	12910.9	40.0			
FH (60°-80°)	468.8	1.5			G0/660
FVH (80°-90°)	15.6	0.0			G1/100
BL (0°-30°)	2741.3	8.5	B4/5000		
BM (30°-60°)	12910.9	40.0	B5		
BH (60°-80°)	468.8	1.5	B1/500		G0/660
BVH (80°-90°)	15.6	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5291.8	5291.8	5291.8	5291.8	5291.8	5291.8	5291.8	5291.8	5291.8	5291.8	5291.8
2.5°	5317.3	5348.0	5327.6	5342.9	5342.9	5317.3	5332.7	5271.3	5312.2	5281.5	5286.7
5°	5399.1	5394.0	5394.0	5399.1	5378.7	5388.9	5368.5	5348.0	5332.7	5312.2	5373.6
7.5°	5501.4	5501.4	5465.6	5475.8	5465.6	5480.9	5440.0	5399.1	5383.8	5368.5	5358.2
10°	5598.5	5588.3	5573.0	5619.0	5583.2	5562.7	5542.3	5516.7	5460.5	5440.0	5419.6
12.5°	5741.7	5736.6	5716.1	5762.1	5741.7	5762.1	5685.5	5619.0	5608.8	5542.3	5578.1
15°	5910.4	5956.4	5920.6	5920.6	5910.4	5884.9	5854.2	5823.5	5731.5	5705.9	5711.0
17.5°	6130.3	6114.9	6120.0	6120.0	6171.2	6104.7	6043.4	5966.7	5920.6	5905.3	5854.2
20°	6339.9	6360.3	6355.2	6391.0	6421.7	6350.1	6283.7	6273.4	6145.6	6166.1	6094.5
22.5°	6708.0	6692.7	6718.2	6743.8	6723.4	6713.1	6651.8	6575.1	6462.6	6411.5	6401.2
25°	7096.6	7071.0	7025.0	7086.4	7117.0	7163.1	7045.5	7004.6	6830.7	6754.0	6759.1
27.5°	7428.9	7464.7	7515.8	7541.4	7618.1	7602.8	7521.0	7388.0	7255.1	7168.2	7111.9
30°	7884.0	7904.4	7991.3	8027.1	8160.1	8195.8	8068.0	7914.6	7679.5	7567.0	7500.5
32.5°	8303.2	8446.4	8441.3	8620.2	8834.9	8983.2	8753.1	8518.0	8282.8	8149.8	8032.2
35°	8983.2	8957.7	9105.9	9295.1	9642.8	9811.5	9561.0	9290.0	8932.1	8717.4	8625.3
37.5°	9617.2	9627.4	9826.8	10128.5	10527.3	10788.0	10568.2	10123.4	9755.3	9479.2	9351.3
40°	10537.5	10558.0	10762.5	11105.0	11555.0	11836.2	11580.5	11130.6	10639.8	10425.0	10425.0
42.5°	11616.3	11703.2	11836.2	12132.7	12536.6	12848.5	12618.4	12265.7	11769.7	11493.6	11534.5
45°	12725.8	12766.7	12853.6	13293.3	13482.5	13635.9	13421.1	13257.5	12925.2	12587.8	12531.5
47.5°	13763.7	13779.0	14034.7	14172.7	14321.0	14193.2	14331.2	14116.5	13743.3	13416.0	13349.6
50°	14223.9	14198.3	14561.3	14980.6	15093.0	14868.1	14750.5	14607.3	14039.8	13646.1	13472.3
52.5°	12884.3	13032.6	13707.5	14873.2	15752.6	15941.8	15256.6	14597.1	13538.7	12771.8	12654.2
54°	11350.5	11488.5	12045.8	13773.9	15604.3	16243.4	15139.1	13738.1	12245.2	11335.1	11217.5
55°	9831.9	9678.6	10690.9	12454.8	14909.0	15977.6	14673.8	12628.7	10921.0	10087.6	9924.0
57.5°	5322.4	5348.0	6201.8	7868.6	10476.2	12250.3	10818.7	8543.5	6452.4	5516.7	5434.9
60°	1687.2	1728.1	2101.4	3180.2	5005.4	5976.9	5123.0	3430.7	2372.3	1902.0	1825.3
62.5°	526.6	547.1	598.2	889.6	1370.2	1958.2	1533.8	920.3	685.1	628.9	639.1
65°	322.1	322.1	327.2	347.7	409.0	475.5	460.2	403.9	388.6	378.3	373.2
67.5°	209.6	204.5	214.7	230.1	240.3	245.4	260.8	276.1	271.0	260.8	260.8
70°	127.8	122.7	132.9	153.4	158.5	168.7	184.1	204.5	199.4	189.2	194.3
72.5°	71.6	71.6	76.7	92.0	107.4	117.6	132.9	148.3	153.4	148.3	148.3
75°	25.6	30.7	40.9	56.2	66.5	81.8	97.1	112.5	127.8	117.6	112.5
77.5°	10.2	10.2	20.5	35.8	51.1	66.5	92.0	107.4	117.6	107.4	97.1
80°	5.1	5.1	15.3	30.7	46.0	61.4	76.7	92.0	97.1	86.9	76.7
82.5°	5.1	5.1	15.3	30.7	46.0	56.2	81.8	92.0	102.3	92.0	76.7
85°	0.0	5.1	15.3	30.7	40.9	46.0	46.0	30.7	25.6	15.3	15.3
87.5°	0.0	0.0	5.1	0.0	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)