

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: P533946

Luminaire Tested: **GALN-SA9B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34776 lumens
Efficiency: N/A
Efficacy: 95.5 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



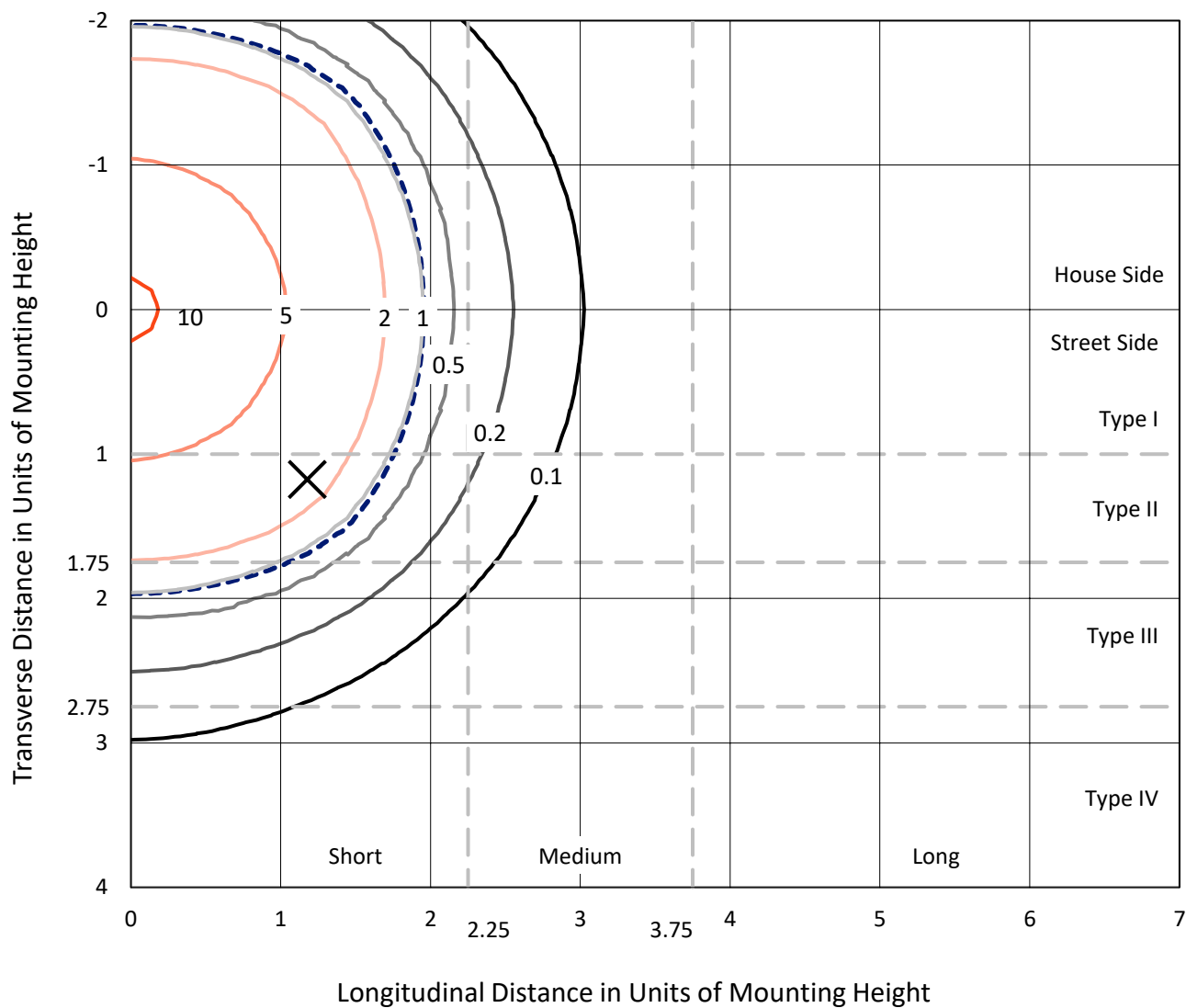
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



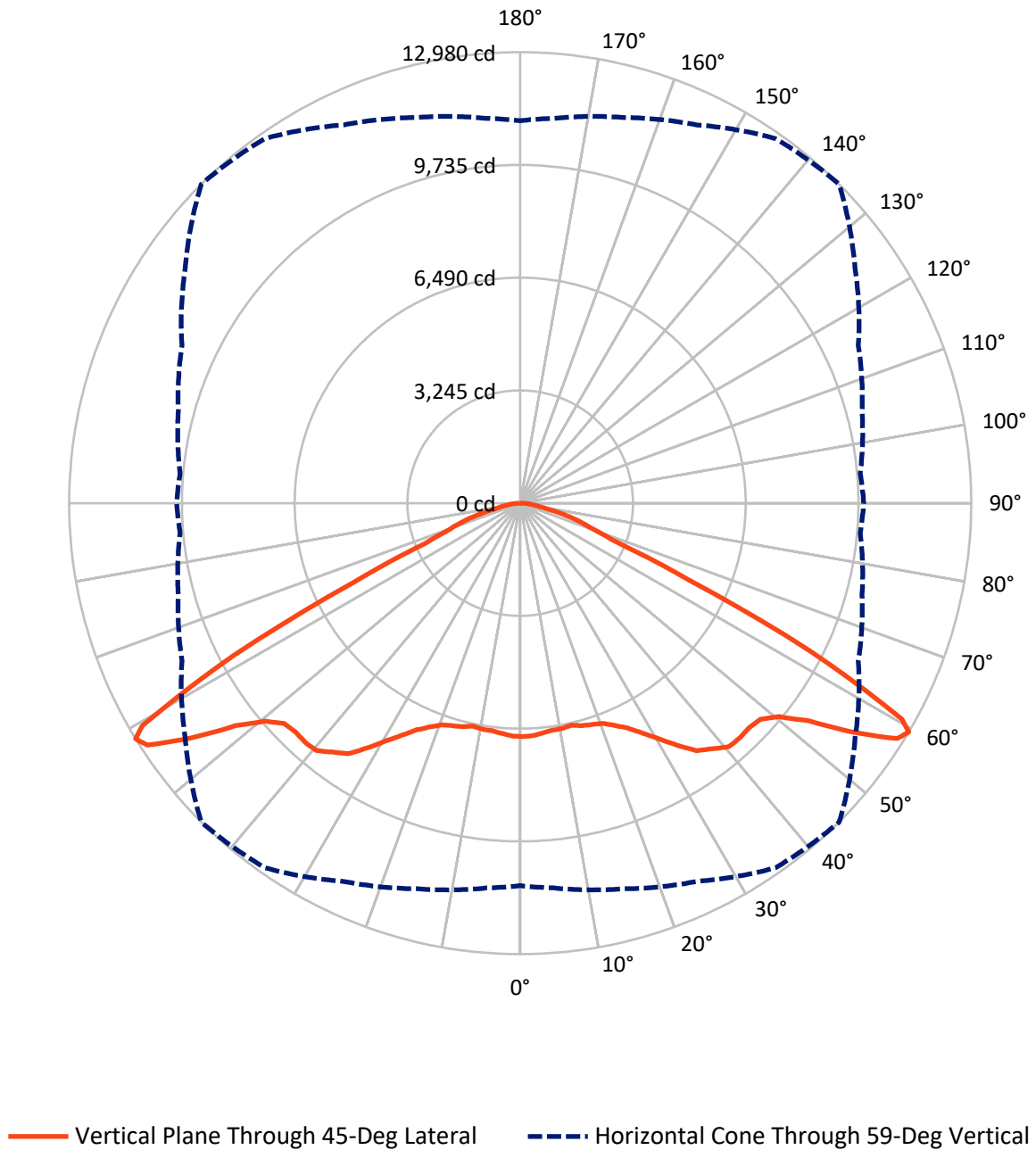
Based on 25 foot mounting height. Maximum calculated value = 10.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17388.0	0.0	17388.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17388.0	0.0	17388.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34776.0	0.0	34776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.2	1.8
10°-20°	1883.0	5.4
20°-30°	3288.0	9.5
30°-40°	5251.4	15.1
40°-50°	7153.5	20.6
50°-60°	9673.4	27.8
60°-70°	5304.9	15.3
70°-80°	1357.2	3.9
80°-90°	231.5	0.7
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°	34776.0	100.0
0°-180°	34776.0	100.0

Coefficient of Utilization



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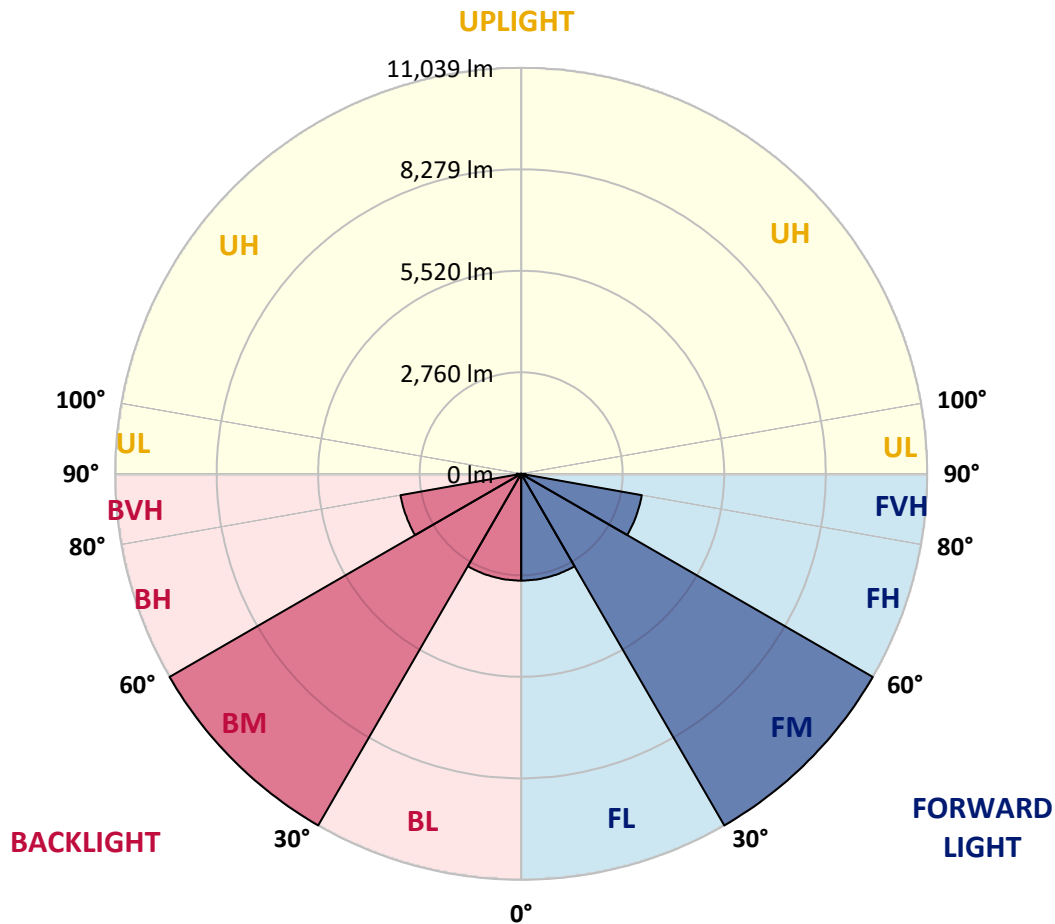
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2902.1	8.3			
FM	(30°-60°)	11039.1	31.7			
FH	(60°-80°)	3331.0	9.6			G2/5000
FVH	(80°-90°)	115.7	0.3			G2/225
BL	(0°-30°)	2902.1	8.3	B4/5000		
BM	(30°-60°)	11039.1	31.7	B5		
BH	(60°-80°)	3331.0	9.6	B4/5000		G2/5000
BVH	(80°-90°)	115.7	0.3			G2/225
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°	6717.1	6717.1	6717.1	6717.1	6717.1	6717.1	6717.1	6717.1	6717.1	6717.1	6717.1
2.5°	6676.9	6726.0	6690.3	6721.5	6717.1	6703.7	6681.4	6668.0	6650.2	6676.9	6632.4
5°	6650.2	6690.3	6730.4	6676.9	6676.9	6650.2	6636.8	6610.1	6610.1	6605.6	6601.2
7.5°	6694.8	6654.7	6636.8	6645.7	6654.7	6596.7	6636.8	6583.3	6538.8	6570.0	6605.6
10°	6654.7	6672.5	6605.6	6636.8	6587.8	6596.7	6570.0	6605.6	6556.6	6556.6	6556.6
12.5°	6694.8	6645.7	6668.0	6645.7	6632.4	6556.6	6592.3	6552.1	6547.7	6592.3	6552.1
15°	6775.0	6694.8	6676.9	6632.4	6645.7	6645.7	6610.1	6614.5	6565.5	6592.3	6601.2
17.5°	6748.3	6703.7	6690.3	6636.8	6681.4	6694.8	6627.9	6583.3	6614.5	6610.1	6605.6
20°	6770.5	6788.4	6775.0	6783.9	6801.7	6766.1	6703.7	6641.3	6601.2	6659.1	6654.7
22.5°	6913.2	6895.3	6886.4	6877.5	6908.7	6944.4	6859.7	6761.6	6761.6	6801.7	6819.6
25°	7029.1	7024.6	7020.2	7060.3	7167.2	7167.2	7060.3	6935.5	6904.3	6931.0	6908.7
27.5°	7198.4	7247.5	7229.6	7301.0	7457.0	7492.6	7350.0	7202.9	7118.2	7087.0	7127.1
30°	7586.2	7528.3	7541.6	7617.4	7755.6	7871.5	7653.1	7497.1	7381.2	7376.7	7394.6
32.5°	7844.7	7889.3	7929.4	8000.7	8219.1	8308.3	8045.3	7791.3	7719.9	7679.8	7693.2
35°	8361.8	8321.7	8312.8	8384.1	8602.5	8749.6	8419.7	8196.9	8103.3	8192.4	8192.4
37.5°	8852.1	8740.6	8656.0	8749.6	8950.1	8968.0	8687.2	8566.8	8517.8	8620.3	8615.8
40°	9083.9	9074.9	8878.8	8932.3	9199.7	9226.5	8963.5	8820.9	8812.0	8945.7	9079.4
42.5°	9324.5	9239.9	9043.7	9079.4	9244.3	9253.2	9003.6	8963.5	9061.6	9190.8	9199.7
45°	9364.7	9293.3	9168.5	9079.4	9199.7	9226.5	9079.4	9106.1	9115.1	9271.1	9271.1
47.5°	9444.9	9436.0	9364.7	9297.8	9320.1	9297.8	9204.2	9244.3	9378.0	9453.8	9418.1
50°	9667.8	9574.2	9645.5	9587.5	9592.0	9654.4	9569.7	9609.8	9583.1	9516.2	9471.6
52.5°	10158.0	10113.5	10175.9	10216.0	10260.6	10403.2	10305.1	10091.2	9890.6	9712.3	9707.9
55°	10875.7	10906.9	11027.2	11232.2	11406.1	11633.4	11160.9	10648.3	10327.4	10046.6	10064.4
57.5°	11553.2	11530.9	11695.8	12163.8	12671.9	12787.8	11860.7	11129.7	10608.2	10429.9	10354.2
59°	11009.4	11116.4	11490.8	12012.3	12810.1	12979.5	11767.1	10737.5	10184.8	9823.8	9886.2
60°	10153.6	10193.7	10528.0	11254.5	12333.2	12622.9	11138.6	10131.3	9395.9	9186.4	9280.0
62.5°	7176.2	7145.0	7385.6	7978.5	8945.7	9337.9	8281.6	7572.9	7109.3	6877.5	6931.0
65°	3815.4	3958.0	4056.1	4426.0	4938.6	5353.1	4916.3	4608.8	4350.3	4158.6	4154.1
67.5°	2576.3	2558.5	2580.7	2665.4	2839.3	2955.1	2946.2	2790.2	2767.9	2732.3	2772.4
70°	2170.7	2161.8	2121.6	2121.6	2157.3	2184.0	2215.2	2233.1	2268.7	2313.3	2308.9
72.5°	1760.6	1738.3	1711.6	1698.2	1742.8	1756.2	1796.3	1814.1	1845.3	1840.8	1881.0
75°	1163.3	1163.3	1194.5	1230.2	1243.6	1270.3	1274.8	1328.3	1328.3	1337.2	1301.5
77.5°	650.8	632.9	655.2	690.9	722.1	771.1	820.1	860.2	882.5	873.6	873.6
80°	378.9	378.9	401.2	441.3	481.4	526.0	561.6	592.8	615.1	606.2	588.4
82.5°	236.2	236.2	258.5	298.6	329.8	356.6	405.6	445.7	472.5	463.6	441.3
85°	120.3	120.3	147.1	173.8	213.9	231.8	227.3	209.5	205.0	182.7	182.7
87.5°	31.2	31.2	44.6	49.0	40.1	44.6	44.6	44.6	44.6	44.6	49.0
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)