

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: P533918

Luminaire Tested: **GALN-SA9B-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34156 lumens
Efficiency: N/A
Efficacy: 93.8 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

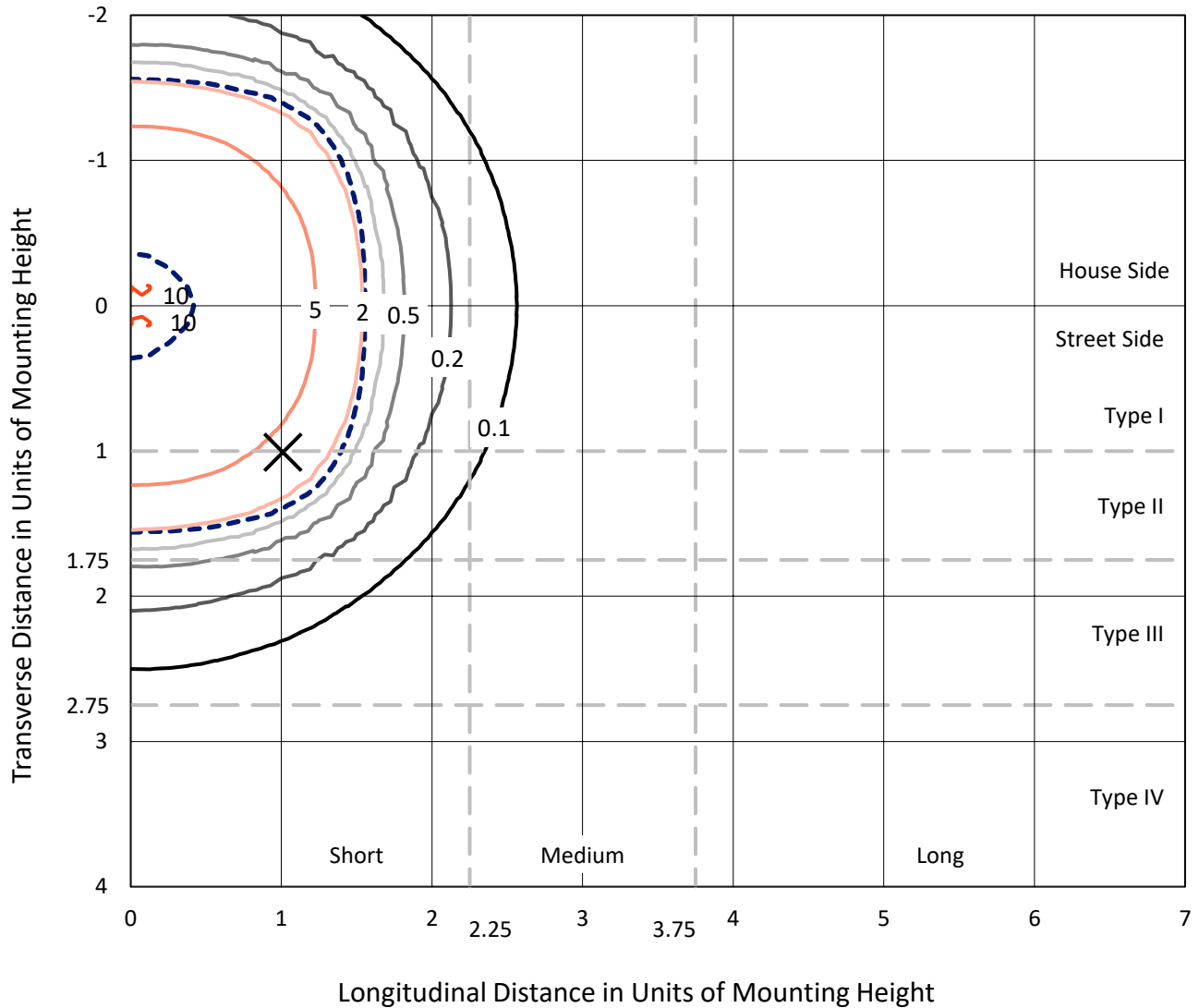
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

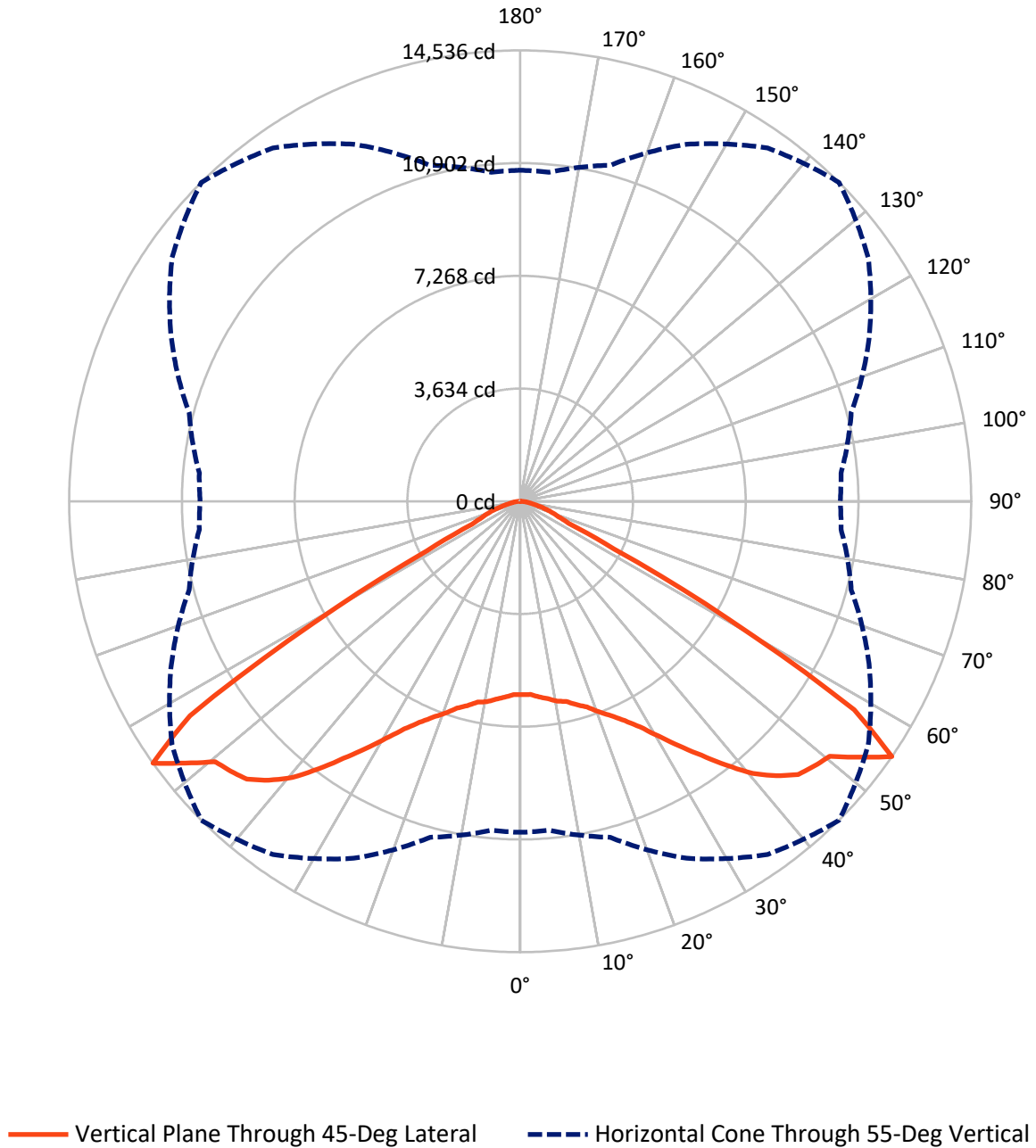
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	17078.0	0.0	17078.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17078.0	0.0	17078.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34156.0	0.0	34156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.2	1.8
10°-20°	1930.4	5.7
20°-30°	3599.5	10.5
30°-40°	6026.8	17.6
40°-50°	9378.1	27.5
50°-60°	9737.4	28.5
60°-70°	2065.0	6.0
70°-80°	680.1	2.0
80°-90°	129.5	0.4
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°	34156.0	100.0
0°-180°	34156.0	100.0

Coefficient of Utilization

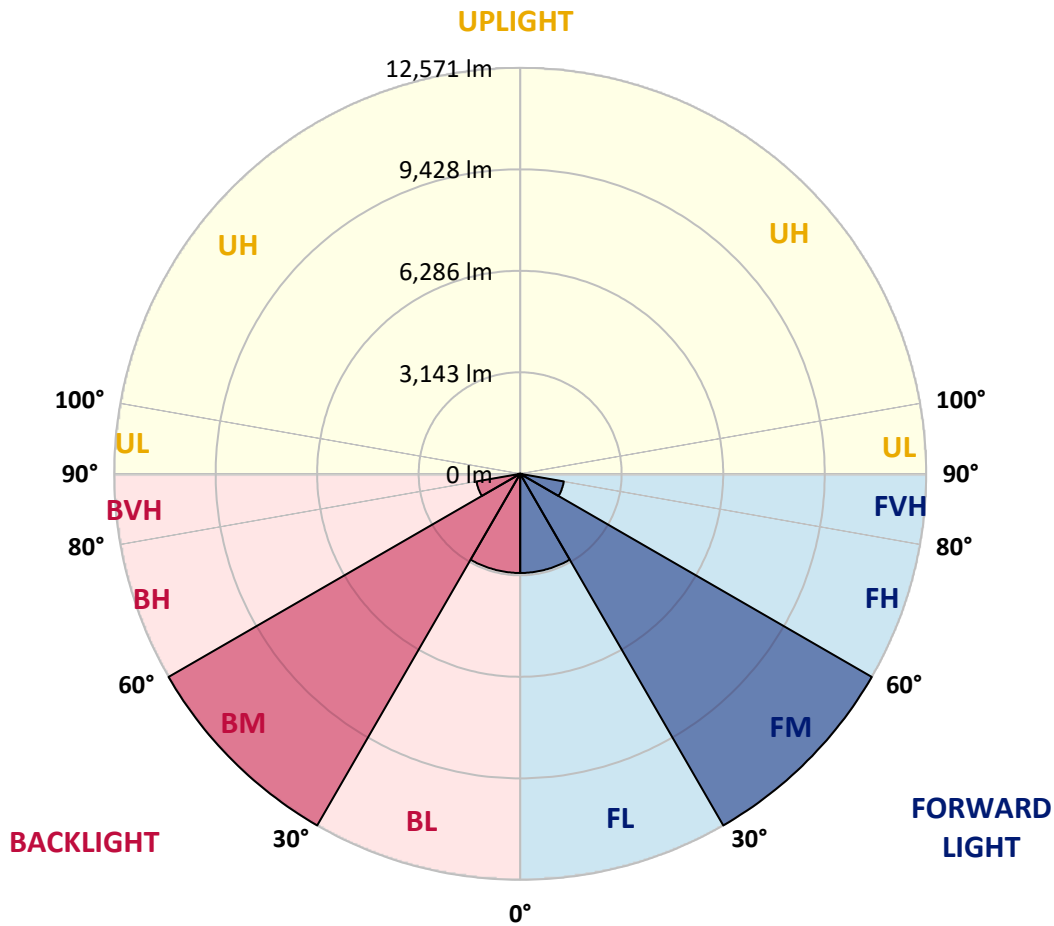


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3069.6	9.0			
FM (30°-60°)	12571.2	36.8			
FH (60°-80°)	1372.5	4.0			G1/1800
FVH (80°-90°)	64.8	0.2			G1/100
BL (0°-30°)	3069.6	9.0	B4/5000		
BM (30°-60°)	12571.2	36.8	B5		
BH (60°-80°)	1372.5	4.0	B3/2500		G1/1800
BVH (80°-90°)	64.8	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6236.4	6236.4	6236.4	6236.4	6236.4	6236.4	6236.4	6236.4	6236.4	6236.4	6236.4
2.5°	6310.7	6281.8	6232.2	6269.4	6298.3	6236.4	6261.1	6273.5	6265.3	6232.2	6244.6
5°	6401.5	6385.0	6343.7	6372.6	6335.4	6335.4	6310.7	6277.6	6327.2	6318.9	6339.6
7.5°	6401.5	6380.8	6463.4	6409.7	6426.2	6426.2	6385.0	6351.9	6376.7	6339.6	6318.9
10°	6529.4	6558.3	6521.2	6533.5	6525.3	6554.2	6492.3	6471.6	6451.0	6438.6	6413.9
12.5°	6682.1	6661.5	6673.9	6665.6	6694.5	6620.2	6583.1	6537.7	6574.8	6521.2	6558.3
15°	6805.9	6793.6	6805.9	6839.0	6810.1	6805.9	6739.9	6694.5	6636.7	6649.1	6591.3
17.5°	6975.2	6962.8	6966.9	6995.8	6991.7	6971.0	6921.5	6834.8	6814.2	6781.2	6744.0
20°	7226.9	7206.3	7198.0	7210.4	7231.1	7247.6	7148.5	7115.5	7045.3	6991.7	6929.8
22.5°	7441.6	7433.3	7466.3	7412.7	7458.1	7507.6	7412.7	7396.2	7222.8	7193.9	7127.9
25°	7738.7	7726.3	7705.7	7784.1	7837.8	7833.6	7742.8	7652.0	7520.0	7487.0	7487.0
27.5°	8052.4	7982.2	8089.5	8110.2	8205.1	8234.0	8155.6	8023.5	7899.7	7829.5	7846.0
30°	8444.5	8378.5	8403.2	8551.8	8675.6	8782.9	8584.8	8390.8	8217.5	8093.7	8073.0
32.5°	8836.6	8770.5	8844.8	8989.3	9236.9	9397.9	9203.9	8865.5	8663.2	8481.6	8518.8
35°	9154.4	9203.9	9323.6	9542.4	9798.3	10058.3	9748.7	9488.7	9199.8	8997.6	9026.4
37.5°	9666.2	9818.9	9913.8	10165.6	10528.8	10797.1	10475.1	10136.7	9827.1	9563.0	9472.2
40°	10334.8	10438.0	10545.3	10842.5	11271.7	11540.0	11234.6	10792.9	10487.5	10215.1	10202.7
42.5°	11069.5	11168.5	11280.0	11643.2	11899.1	12101.3	11820.6	11585.4	11246.9	11032.3	11019.9
45°	11923.8	11853.7	11977.5	12216.9	12431.5	12563.6	12382.0	12266.4	12022.9	11824.8	11804.1
47.5°	12493.4	12431.5	12654.4	12869.0	12902.0	12757.5	12794.7	12902.0	12646.1	12320.0	12423.2
50°	12823.6	12823.6	12972.2	13170.3	13108.4	12922.6	13215.7	13223.9	12968.0	12679.1	12679.1
52.5°	12249.9	12377.8	12798.8	13446.8	13653.2	13706.8	13640.8	13360.1	12691.5	12101.3	12072.4
55°	10673.2	10644.4	11213.9	12699.8	13900.8	14536.4	13694.4	12402.6	11044.7	10380.2	10314.2
57.5°	6942.1	6975.2	7825.4	9340.1	11507.0	12691.5	11271.7	9455.7	7825.4	6909.1	6995.8
60°	3124.4	3235.8	3751.7	4882.6	6744.0	7709.8	6760.5	5130.3	3937.5	3417.4	3462.8
62.5°	1795.4	1816.0	1836.7	2179.2	2872.6	3396.8	2984.1	2303.0	2030.6	1939.8	1939.8
65°	1514.7	1502.3	1506.5	1535.4	1609.7	1717.0	1671.6	1609.7	1617.9	1609.7	1597.3
67.5°	1287.7	1304.2	1291.9	1312.5	1316.6	1333.1	1362.0	1386.8	1390.9	1399.2	1390.9
70°	1056.6	1060.7	1069.0	1085.5	1089.6	1102.0	1143.3	1163.9	1176.3	1176.3	1192.8
72.5°	809.0	804.8	813.1	829.6	850.2	854.4	891.5	920.4	936.9	916.3	920.4
75°	532.4	536.6	548.9	561.3	590.2	619.1	631.5	660.4	664.5	672.8	652.1
77.5°	317.8	326.1	338.4	363.2	388.0	412.7	441.6	462.3	470.5	462.3	437.5
80°	206.4	206.4	222.9	243.5	272.4	293.0	309.5	326.1	338.4	326.1	317.8
82.5°	127.9	127.9	148.6	173.3	194.0	206.4	231.1	251.8	264.1	255.9	243.5
85°	66.0	70.2	86.7	107.3	123.8	132.1	127.9	115.6	103.2	99.1	90.8
87.5°	20.6	20.6	24.8	24.8	20.6	20.6	24.8	20.6	24.8	24.8	24.8
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)