

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: P533917

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533917
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-827-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 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: 26050 lumens
Efficiency: N/A
Efficacy: 71.6 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

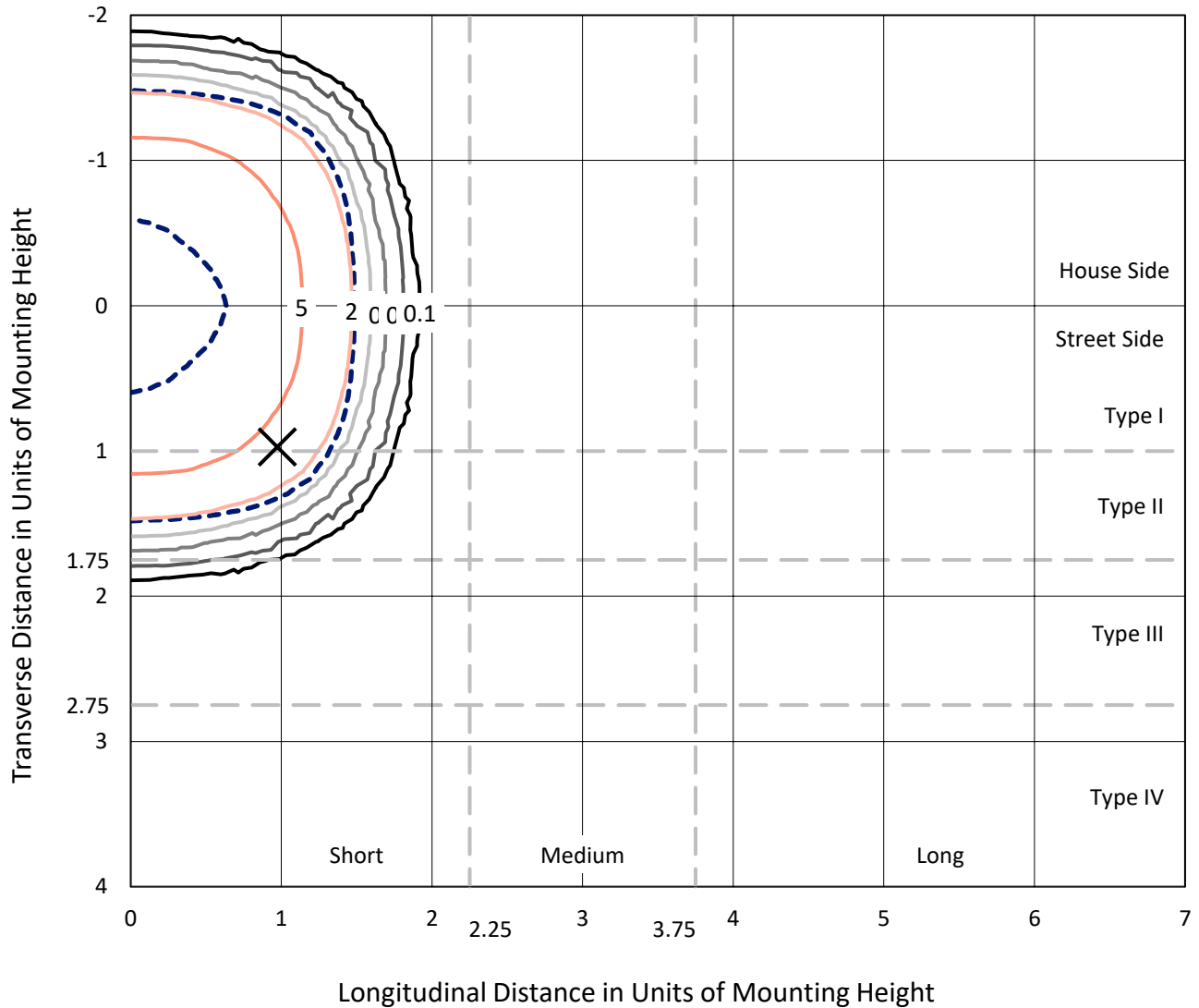
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

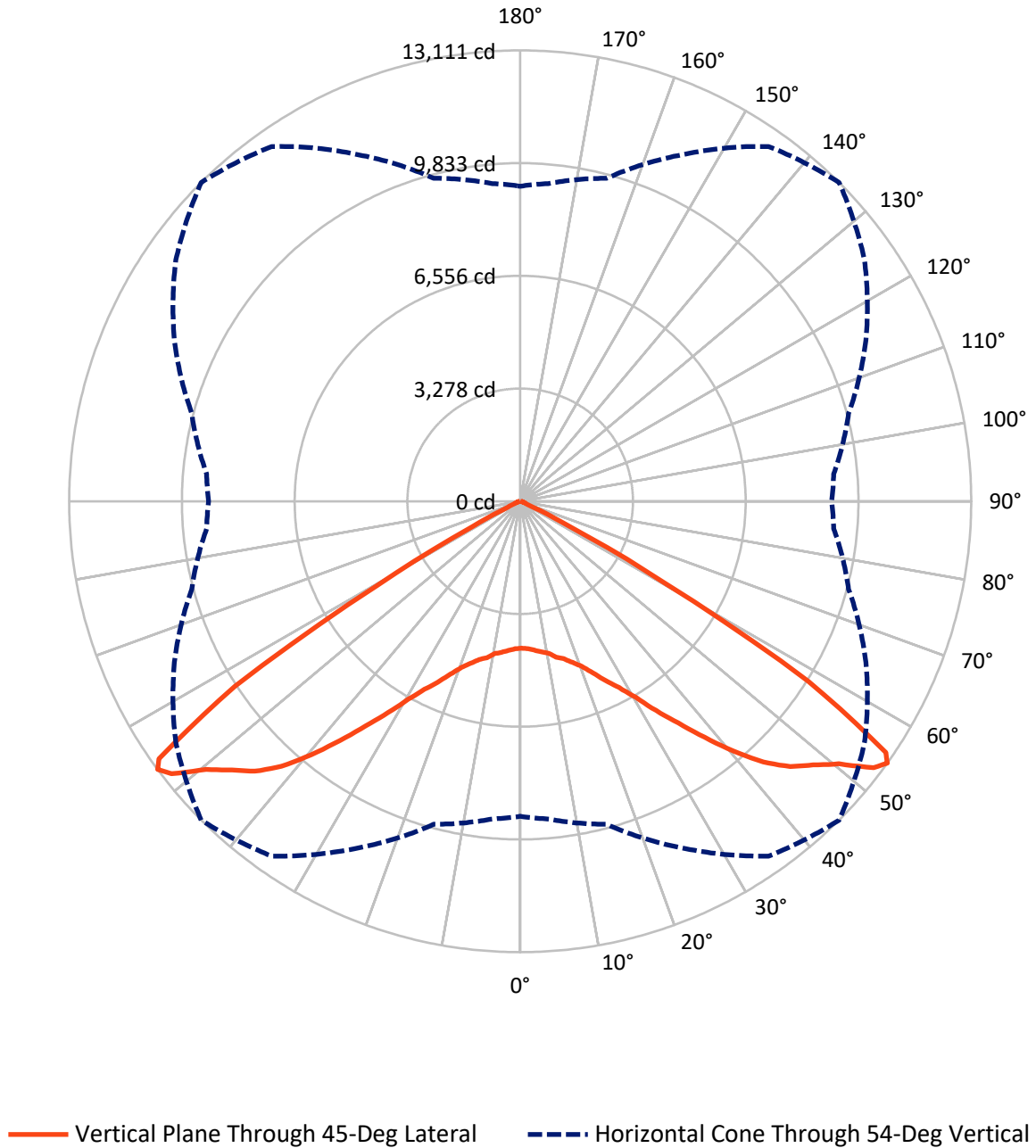
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	13025.0	0.0	13025.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13025.0	0.0	13025.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26050.0	0.0	26050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.1	1.6
10°-20°	1353.9	5.2
20°-30°	2653.5	10.2
30°-40°	4771.5	18.3
40°-50°	8167.9	31.4
50°-60°	7903.2	30.3
60°-70°	676.6	2.6
70°-80°	80.2	0.3
80°-90°	25.1	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°	26050.0	100.0
0°-180°	26050.0	100.0

Coefficient of Utilization



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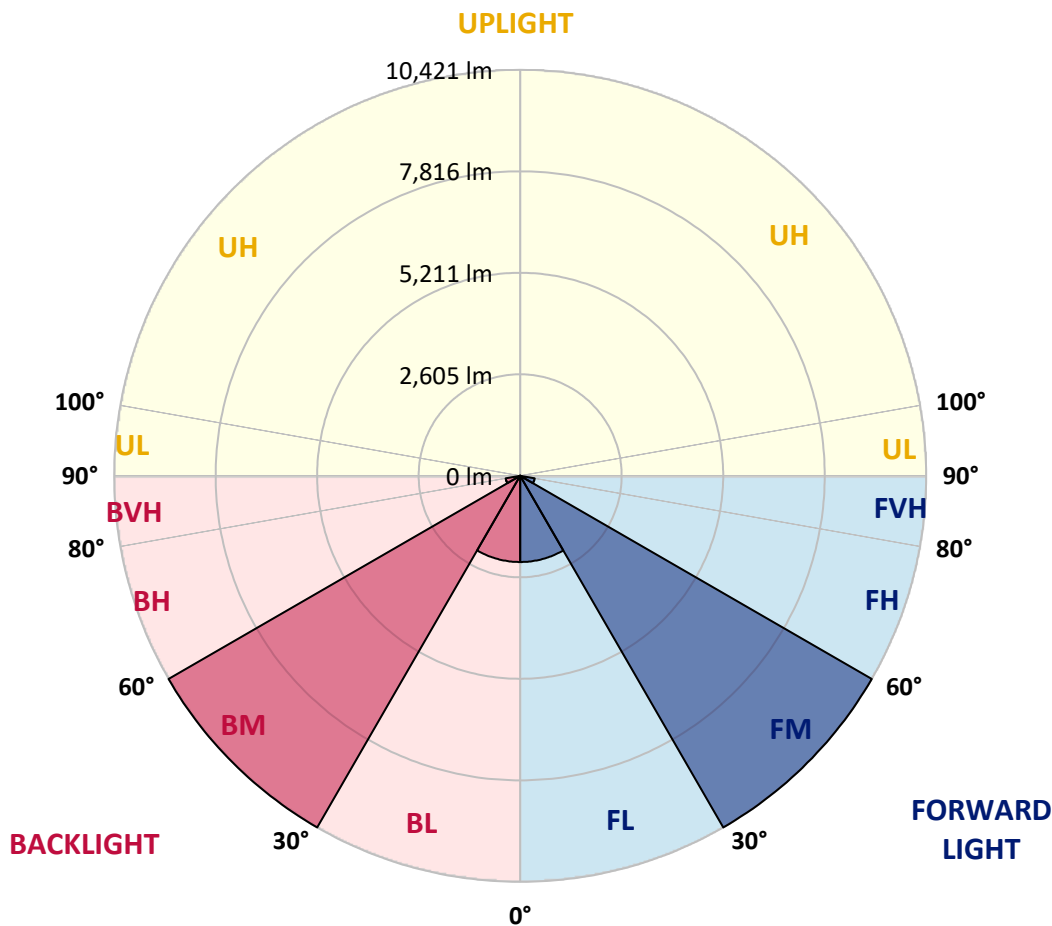
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2212.7	8.5			
FM (30°-60°)	10421.4	40.0			
FH (60°-80°)	378.4	1.5			G0/660
FVH (80°-90°)	12.6	0.0			G1/100
BL (0°-30°)	2212.7	8.5	B3/2500		
BM (30°-60°)	10421.4	40.0	B5		
BH (60°-80°)	378.4	1.5	B1/500		G0/660
BVH (80°-90°)	12.6	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°	4271.4	4271.4	4271.4	4271.4	4271.4	4271.4	4271.4	4271.4	4271.4	4271.4	4271.4
2.5°	4292.0	4316.8	4300.3	4312.7	4312.7	4292.0	4304.4	4254.9	4287.9	4263.1	4267.3
5°	4358.1	4353.9	4353.9	4358.1	4341.5	4349.8	4333.3	4316.8	4304.4	4287.9	4337.4
7.5°	4440.6	4440.6	4411.7	4420.0	4411.7	4424.1	4391.1	4358.1	4345.7	4333.3	4325.0
10°	4519.0	4510.8	4498.4	4535.5	4506.6	4490.1	4473.6	4453.0	4407.6	4391.1	4374.6
12.5°	4634.6	4630.4	4613.9	4651.1	4634.6	4651.1	4589.2	4535.5	4527.3	4473.6	4502.5
15°	4770.7	4807.9	4779.0	4779.0	4770.7	4750.1	4725.4	4700.6	4626.3	4605.7	4609.8
17.5°	4948.2	4935.8	4940.0	4940.0	4981.2	4927.6	4878.0	4816.1	4779.0	4766.6	4725.4
20°	5117.4	5133.9	5129.8	5158.7	5183.4	5125.7	5072.0	5063.8	4960.6	4977.1	4919.3
22.5°	5414.6	5402.2	5422.8	5443.4	5426.9	5418.7	5369.2	5307.3	5216.5	5175.2	5166.9
25°	5728.2	5707.6	5670.4	5719.9	5744.7	5781.9	5686.9	5653.9	5513.6	5451.7	5455.8
27.5°	5996.5	6025.3	6066.6	6087.2	6149.1	6136.8	6070.7	5963.4	5856.1	5786.0	5740.6
30°	6363.7	6380.3	6450.4	6479.3	6586.6	6615.5	6512.3	6388.5	6198.7	6107.9	6054.2
32.5°	6702.2	6817.7	6813.6	6958.0	7131.4	7251.0	7065.3	6875.5	6685.7	6578.4	6483.4
35°	7251.0	7230.4	7350.1	7502.8	7783.4	7919.6	7717.4	7498.7	7209.8	7036.4	6962.2
37.5°	7762.8	7771.0	7932.0	8175.5	8497.4	8707.9	8530.4	8171.4	7874.2	7651.4	7548.2
40°	8505.6	8522.1	8687.2	8963.7	9326.9	9553.9	9347.5	8984.4	8588.2	8414.8	8414.8
42.5°	9376.4	9446.6	9553.9	9793.2	10119.3	10371.0	10185.3	9900.5	9500.2	9277.4	9310.4
45°	10272.0	10305.0	10375.1	10730.1	10882.8	11006.6	10833.2	10701.2	10432.9	10160.5	10115.1
47.5°	11109.7	11122.1	11328.5	11439.9	11559.6	11456.4	11567.8	11394.5	11093.2	10829.1	10775.5
50°	11481.2	11460.5	11753.5	12091.9	12182.7	12001.2	11906.2	11790.7	11332.6	11014.8	10874.5
52.5°	10399.9	10519.6	11064.3	12005.3	12715.1	12867.8	12314.8	11782.4	10928.2	10309.1	10214.2
54°	9161.8	9273.2	9723.1	11118.0	12595.4	13111.3	12219.9	11089.1	9884.0	9149.4	9054.5
55°	7936.1	7812.3	8629.4	10053.2	12034.2	12896.7	11844.3	10193.6	8815.2	8142.5	8010.4
57.5°	4296.2	4316.8	5006.0	6351.4	8456.1	9888.2	8732.6	6896.1	5208.2	4453.0	4386.9
60°	1361.9	1394.9	1696.2	2567.0	4040.3	4824.4	4135.2	2769.2	1914.9	1535.2	1473.3
62.5°	425.1	441.6	482.9	718.1	1106.0	1580.6	1238.1	742.9	553.0	507.6	515.9
65°	260.0	260.0	264.1	280.6	330.2	383.8	371.4	326.0	313.6	305.4	301.3
67.5°	169.2	165.1	173.3	185.7	194.0	198.1	210.5	222.9	218.7	210.5	210.5
70°	103.2	99.0	107.3	123.8	127.9	136.2	148.6	165.1	161.0	152.7	156.8
72.5°	57.8	57.8	61.9	74.3	86.7	94.9	107.3	119.7	123.8	119.7	119.7
75°	20.6	24.8	33.0	45.4	53.7	66.0	78.4	90.8	103.2	94.9	90.8
77.5°	8.3	8.3	16.5	28.9	41.3	53.7	74.3	86.7	94.9	86.7	78.4
80°	4.1	4.1	12.4	24.8	37.1	49.5	61.9	74.3	78.4	70.2	61.9
82.5°	4.1	4.1	12.4	24.8	37.1	45.4	66.0	74.3	82.5	74.3	61.9
85°	0.0	4.1	12.4	24.8	33.0	37.1	37.1	24.8	20.6	12.4	12.4
87.5°	0.0	0.0	4.1	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)