

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: P532046

Luminaire Tested: **GALN-SA7B-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532046
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-SA7B-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 26243 lumens
Efficiency: N/A
Efficacy: 91.8 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

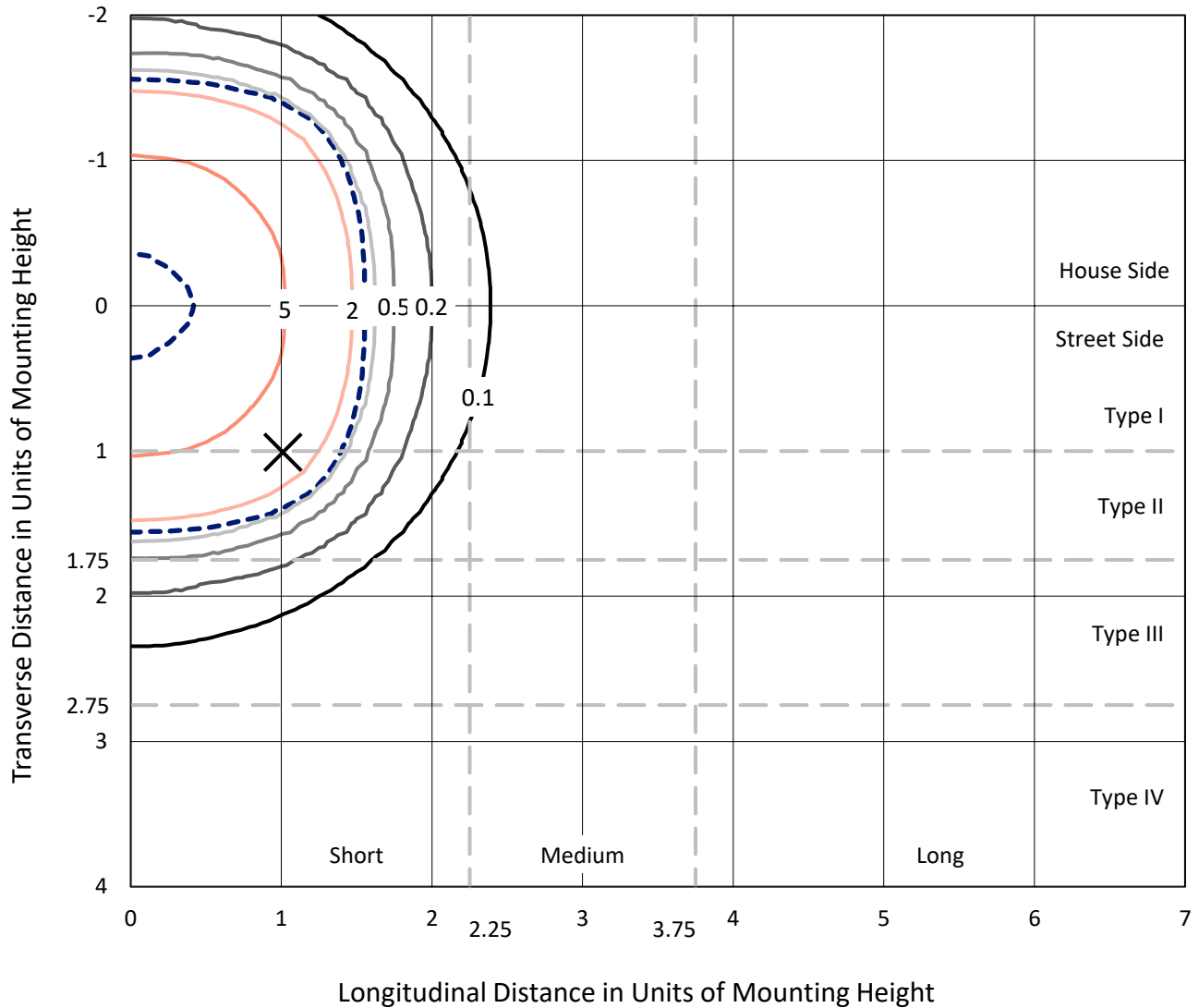
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

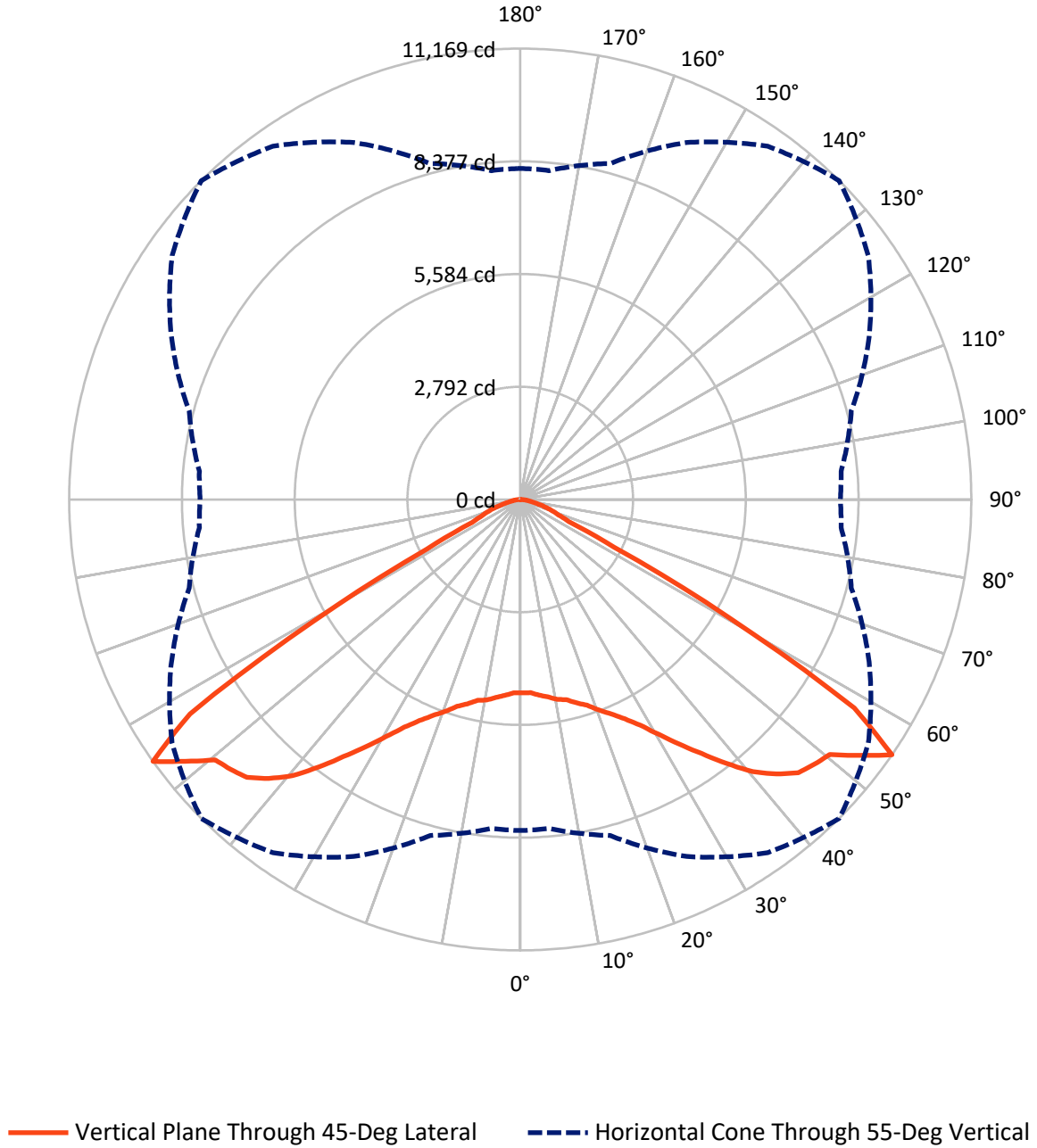
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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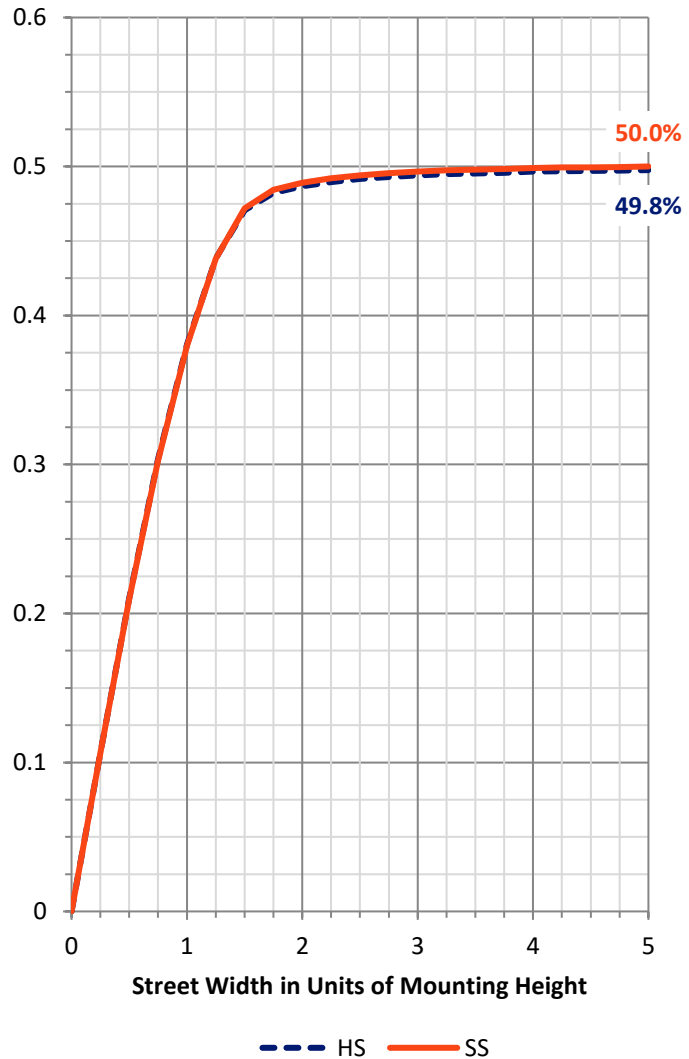
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13121.5	0.0	13121.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13121.5	0.0	13121.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26243.0	0.0	26243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.1	1.8
10°-20°	1483.2	5.7
20°-30°	2765.6	10.5
30°-40°	4630.5	17.6
40°-50°	7205.5	27.5
50°-60°	7481.5	28.5
60°-70°	1586.6	6.0
70°-80°	522.5	2.0
80°-90°	99.5	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°	26243.0	100.0
0°-180°	26243.0	100.0

Coefficient of Utilization

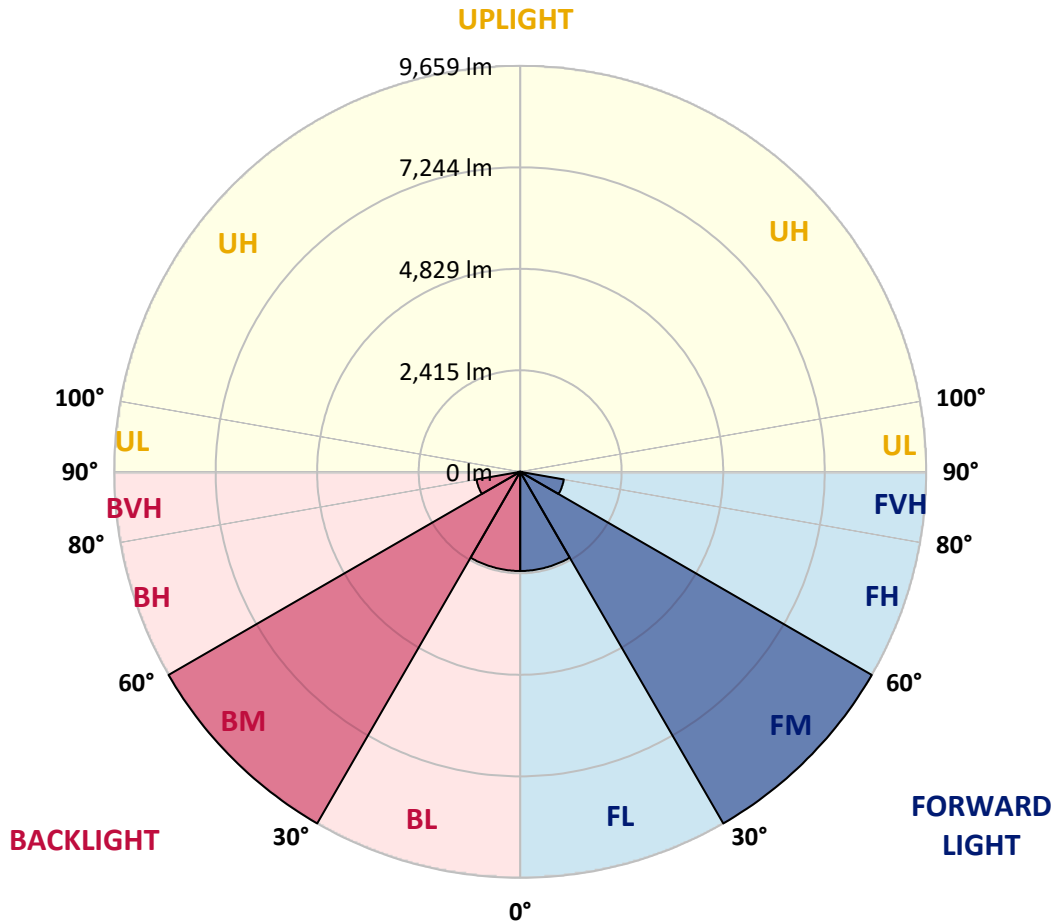


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2358.4	9.0			
FM (30°-60°)	9658.8	36.8			
FH (60°-80°)	1054.6	4.0			G1/1800
FVH (80°-90°)	49.8	0.2			G1/100
BL (0°-30°)	2358.4	9.0	B3/2500		
BM (30°-60°)	9658.8	36.8	B5		
BH (60°-80°)	1054.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	49.8	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°	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6	4791.6
2.5°	4848.7	4826.5	4788.4	4816.9	4839.1	4791.6	4810.6	4820.1	4813.8	4788.4	4797.9
5°	4918.4	4905.7	4874.0	4896.2	4867.7	4867.7	4848.7	4823.3	4861.3	4855.0	4870.9
7.5°	4918.4	4902.6	4966.0	4924.8	4937.5	4937.5	4905.7	4880.4	4899.4	4870.9	4855.0
10°	5016.7	5038.9	5010.4	5019.9	5013.6	5035.8	4988.2	4972.3	4956.5	4947.0	4927.9
12.5°	5134.1	5118.2	5127.7	5121.4	5143.6	5086.5	5058.0	5023.1	5051.6	5010.4	5038.9
15°	5229.2	5219.7	5229.2	5254.6	5232.4	5229.2	5178.5	5143.6	5099.2	5108.7	5064.3
17.5°	5359.2	5349.7	5352.9	5375.1	5371.9	5356.0	5318.0	5251.4	5235.5	5210.2	5181.6
20°	5552.7	5536.8	5530.5	5540.0	5555.8	5568.5	5492.4	5467.0	5413.1	5371.9	5324.3
22.5°	5717.6	5711.2	5736.6	5695.4	5730.2	5768.3	5695.4	5682.7	5549.5	5527.3	5476.5
25°	5945.9	5936.4	5920.5	5980.8	6022.0	6018.8	5949.0	5879.3	5777.8	5752.4	5752.4
27.5°	6186.9	6133.0	6215.4	6231.3	6304.2	6326.4	6266.2	6164.7	6069.5	6015.6	6028.3
30°	6488.1	6437.4	6456.4	6570.6	6665.7	6748.2	6596.0	6446.9	6313.7	6218.6	6202.7
32.5°	6789.4	6738.7	6795.7	6906.7	7097.0	7220.7	7071.6	6811.6	6656.2	6516.7	6545.2
35°	7033.6	7071.6	7163.6	7331.7	7528.3	7728.0	7490.2	7290.4	7068.5	6913.1	6935.3
37.5°	7426.8	7544.1	7617.1	7810.5	8089.6	8295.7	8048.3	7788.3	7550.5	7347.5	7277.7
40°	7940.5	8019.8	8102.2	8330.6	8660.4	8866.5	8631.8	8292.5	8057.8	7848.6	7839.0
42.5°	8505.0	8581.1	8666.7	8945.8	9142.4	9297.8	9082.1	8901.4	8641.3	8476.4	8466.9
45°	9161.4	9107.5	9202.6	9386.6	9551.4	9652.9	9513.4	9424.6	9237.5	9085.3	9069.4
47.5°	9599.0	9551.4	9722.7	9887.6	9913.0	9802.0	9830.5	9913.0	9716.3	9465.8	9545.1
50°	9852.7	9852.7	9966.9	10119.1	10071.5	9928.8	10154.0	10160.3	9963.7	9741.7	9741.7
52.5°	9411.9	9510.2	9833.7	10331.5	10490.1	10531.3	10480.6	10265.0	9751.2	9297.8	9275.6
55°	8200.5	8178.3	8616.0	9757.6	10680.4	11168.7	10521.8	9529.3	8485.9	7975.4	7924.7
57.5°	5333.8	5359.2	6012.5	7176.3	8841.1	9751.2	8660.4	7265.1	6012.5	5308.5	5375.1
60°	2400.5	2486.2	2882.6	3751.4	5181.6	5923.7	5194.3	3941.7	3025.3	2625.7	2660.6
62.5°	1379.4	1395.3	1411.2	1674.4	2207.1	2609.8	2292.7	1769.5	1560.2	1490.4	1490.4
65°	1163.8	1154.3	1157.5	1179.7	1236.7	1319.2	1284.3	1236.7	1243.1	1236.7	1227.2
67.5°	989.4	1002.1	992.6	1008.4	1011.6	1024.3	1046.5	1065.5	1068.7	1075.0	1068.7
70°	811.8	815.0	821.3	834.0	837.2	846.7	878.4	894.3	903.8	903.8	916.5
72.5°	621.5	618.4	624.7	637.4	653.3	656.4	685.0	707.2	719.8	704.0	707.2
75°	409.1	412.2	421.8	431.3	453.5	475.7	485.2	507.4	510.6	516.9	501.0
77.5°	244.2	250.5	260.0	279.1	298.1	317.1	339.3	355.2	361.5	355.2	336.1
80°	158.6	158.6	171.2	187.1	209.3	225.2	237.8	250.5	260.0	250.5	244.2
82.5°	98.3	98.3	114.2	133.2	149.0	158.6	177.6	193.4	203.0	196.6	187.1
85°	50.7	53.9	66.6	82.4	95.1	101.5	98.3	88.8	79.3	76.1	69.8
87.5°	15.9	15.9	19.0	19.0	15.9	15.9	19.0	15.9	19.0	19.0	19.0
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)