

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: P531862

Luminaire Tested: **GALN-SA7B-722-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-722-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25716 lumens
Efficiency: N/A
Efficacy: 89.9 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

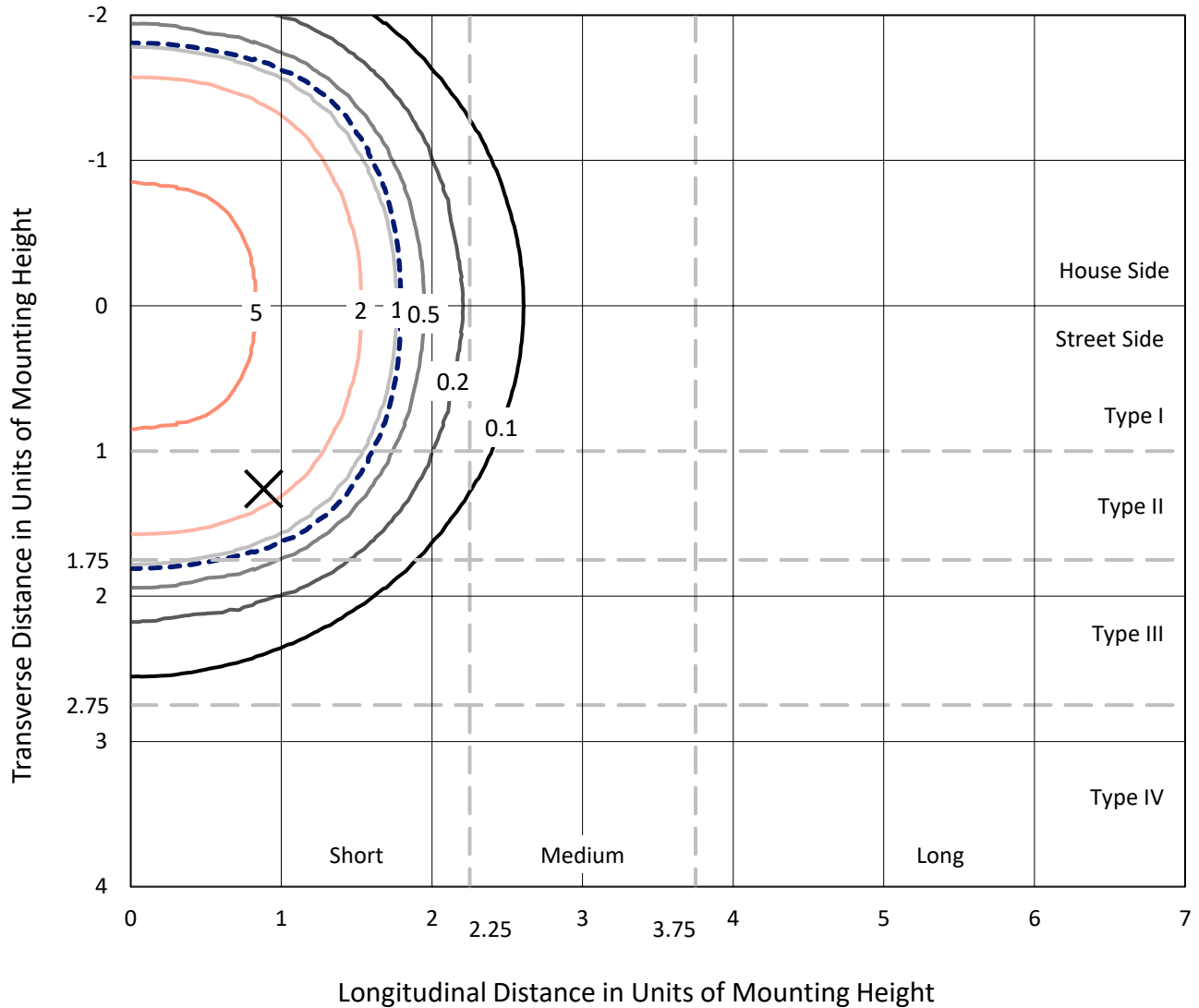
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

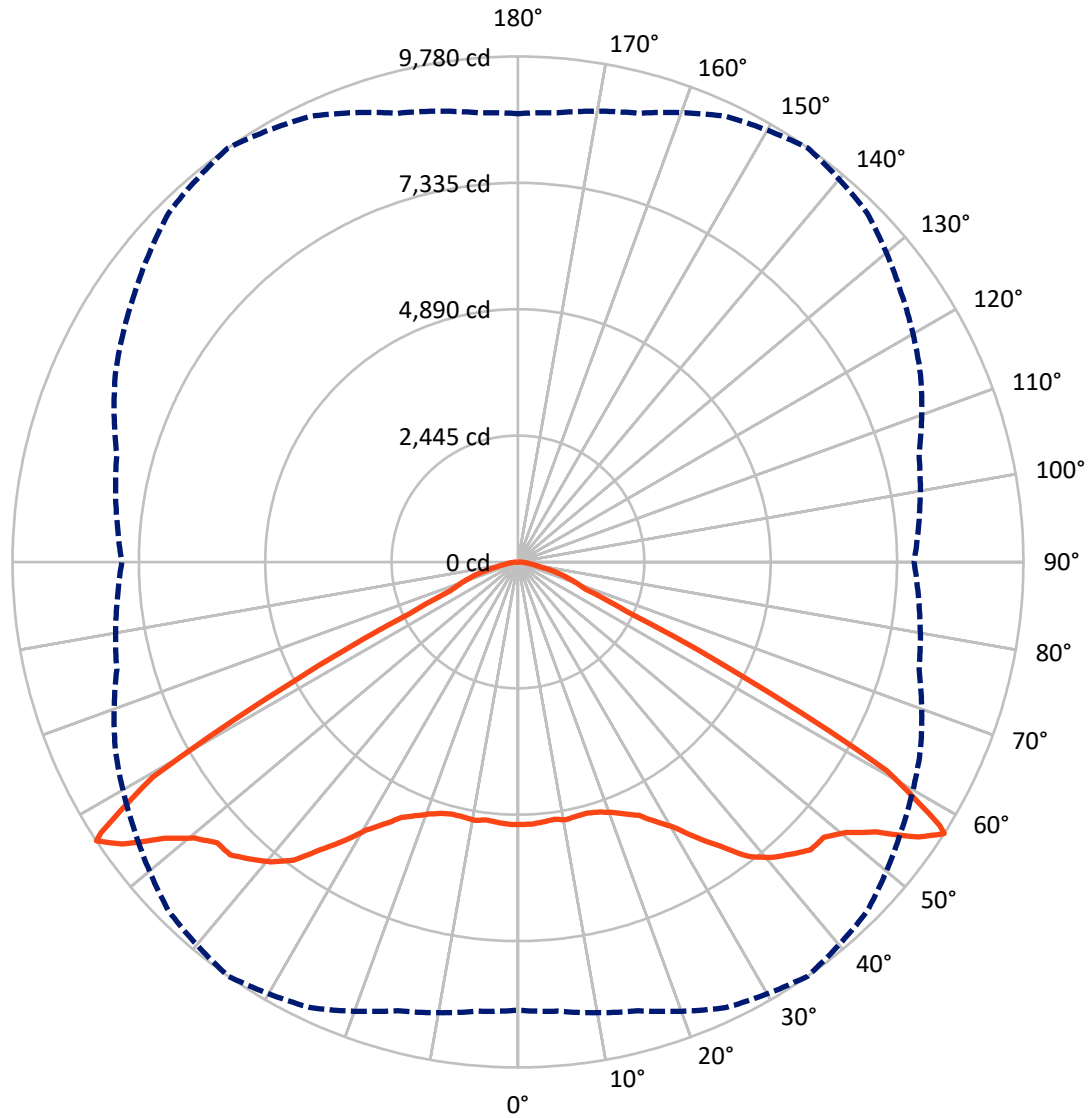
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12858.0	0.0	12858.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12858.0	0.0	12858.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25716.0	0.0	25716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.5	1.9
10°-20°	1426.0	5.5
20°-30°	2490.5	9.7
30°-40°	4080.8	15.9
40°-50°	5983.4	23.3
50°-60°	7536.5	29.3
60°-70°	2834.4	11.0
70°-80°	753.7	2.9
80°-90°	129.2	0.5
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°	25716.0	100.0
0°-180°	25716.0	100.0

Coefficient of Utilization



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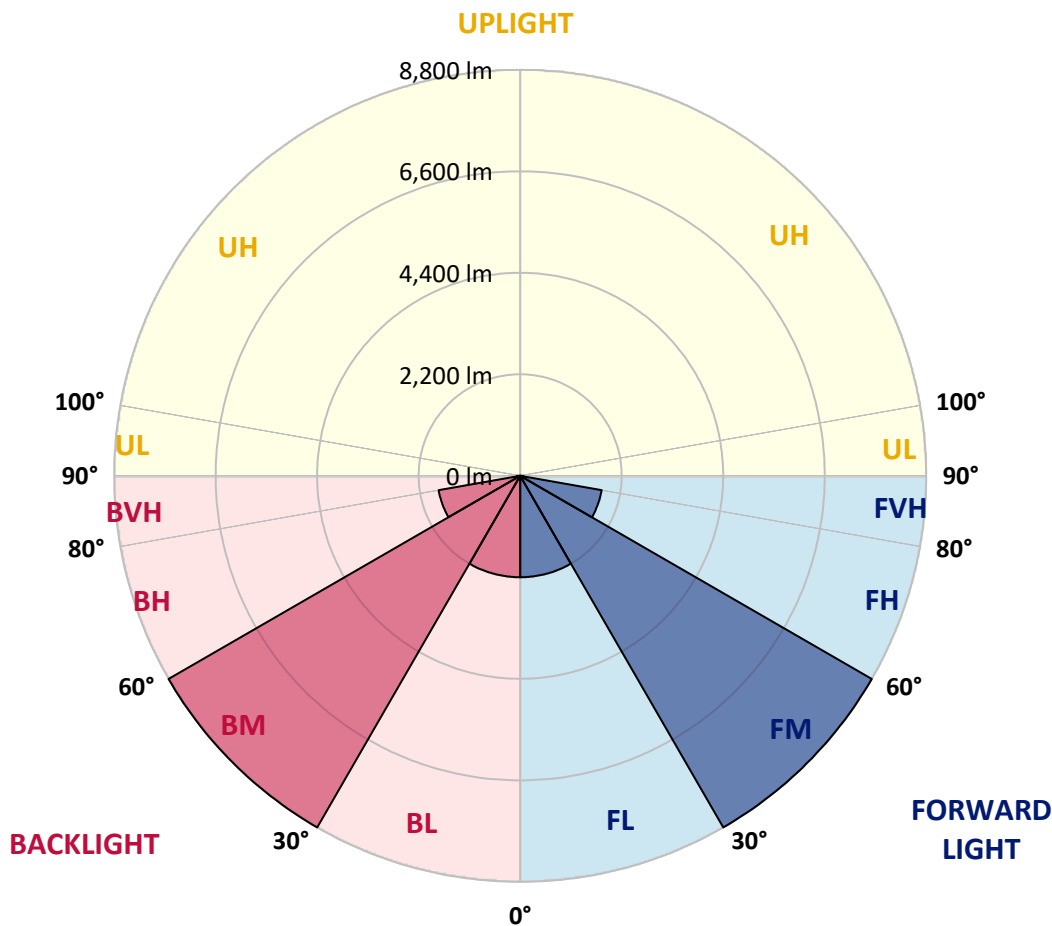
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2199.0	8.6			
FM (30°-60°)	8800.3	34.2			
FH (60°-80°)	1794.0	7.0			G1/1800
FVH (80°-90°)	64.6	0.3			G1/100
BL (0°-30°)	2199.0	8.6	B3/2500		
BM (30°-60°)	8800.3	34.2	B5		
BH (60°-80°)	1794.0	7.0	B3/2500		G1/1800
BVH (80°-90°)	64.6	0.3			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°	5078.7	5078.7	5078.7	5078.7	5078.7	5078.7	5078.7	5078.7	5078.7	5078.7	5078.7
2.5°	5053.4	5104.1	5081.9	5069.2	5078.7	5062.9	5037.5	5066.0	5059.7	5034.4	5024.9
5°	5040.7	5078.7	5053.4	5078.7	5053.4	5097.7	5085.1	5037.5	5094.6	5040.7	5059.7
7.5°	5031.2	5043.9	5050.2	5037.5	5028.0	5081.9	5053.4	5031.2	4999.5	4990.0	5005.9
10°	5009.0	5040.7	4993.2	5056.5	5069.2	5031.2	5031.2	4990.0	4964.7	4948.8	5002.7
12.5°	5066.0	5012.2	5005.9	5037.5	5047.0	5062.9	5018.5	4996.3	4948.8	4955.2	4945.7
15°	4999.5	5021.7	5024.9	5031.2	5040.7	5078.7	5037.5	4990.0	4971.0	4904.5	4910.8
17.5°	5024.9	5002.7	5024.9	5097.7	5085.1	5113.6	5069.2	4996.3	4952.0	4914.0	4964.7
20°	5069.2	5059.7	5069.2	5157.9	5173.8	5199.1	5161.1	5094.6	5009.0	4964.7	4990.0
22.5°	5116.7	5110.4	5116.7	5202.3	5294.2	5325.8	5287.8	5132.6	5088.2	5005.9	4977.3
25°	5202.3	5208.6	5275.2	5370.2	5430.4	5490.6	5420.9	5310.0	5167.4	5116.7	5056.5
27.5°	5392.4	5408.2	5446.2	5585.6	5690.2	5744.1	5645.8	5493.8	5405.1	5300.5	5284.7
30°	5626.8	5626.8	5693.4	5813.8	5956.3	6038.7	5918.3	5737.7	5630.0	5573.0	5538.1
32.5°	5937.3	5902.5	5927.8	6140.1	6361.9	6431.6	6270.0	6048.2	5877.1	5801.1	5775.7
35°	6203.5	6225.6	6282.7	6510.8	6757.9	6919.5	6666.0	6377.7	6203.5	6133.8	6121.1
37.5°	6548.8	6586.8	6615.3	6929.0	7226.8	7287.0	7043.0	6811.8	6599.5	6542.5	6510.8
40°	7036.7	7011.4	7020.9	7252.1	7521.4	7559.5	7318.7	7153.9	6979.7	6944.8	6944.8
42.5°	7439.1	7410.6	7442.2	7527.8	7733.7	7705.2	7572.1	7451.7	7378.9	7340.9	7378.9
45°	7683.0	7676.7	7733.7	7797.1	7942.8	7847.8	7743.2	7762.2	7692.5	7629.2	7626.0
47.5°	7949.2	7908.0	7977.7	8072.7	7961.8	7917.5	7911.1	7952.3	7930.2	7819.3	7784.4
50°	8079.1	8063.2	8174.1	8285.0	8224.8	8123.4	8145.6	8212.1	7927.0	7778.1	7692.5
52.5°	8427.6	8430.7	8643.0	8703.2	8677.9	8529.0	8576.5	8395.9	8060.1	7850.9	7860.5
55°	8975.7	8953.5	9191.1	9368.5	9397.1	9207.0	8978.8	8725.4	8304.0	8091.7	8028.4
57°	8674.7	8725.4	8988.4	9514.3	9780.4	9555.5	9058.1	8595.5	8034.7	7778.1	7664.0
57.5°	8272.3	8354.7	8810.9	9340.0	9618.8	9599.8	8959.8	8354.7	7854.1	7454.9	7464.4
60°	6060.9	6076.7	6488.6	7328.2	8199.5	8218.5	7439.1	6637.5	6079.9	5645.8	5706.0
62.5°	3196.8	3269.6	3434.4	4109.2	4863.3	5047.0	4575.0	4163.1	3681.5	3352.0	3383.7
65°	1691.9	1682.3	1761.6	1951.6	2322.3	2417.4	2354.0	2027.7	1859.8	1805.9	1809.1
67.5°	1375.0	1390.9	1381.4	1390.9	1416.2	1457.4	1447.9	1460.6	1470.1	1485.9	1482.7
70°	1165.9	1165.9	1172.3	1175.4	1175.4	1194.4	1216.6	1257.8	1261.0	1276.8	1283.1
72.5°	918.8	912.5	922.0	944.1	947.3	963.2	994.8	1020.2	1029.7	1029.7	1010.7
75°	624.1	630.5	643.2	662.2	681.2	709.7	735.0	750.9	757.2	747.7	738.2
77.5°	351.7	358.0	367.5	396.0	418.2	443.6	472.1	487.9	503.8	506.9	487.9
80°	209.1	209.1	224.9	247.1	272.5	297.8	323.2	342.2	348.5	348.5	339.0
82.5°	126.7	129.9	142.6	164.7	186.9	202.8	224.9	240.8	253.5	250.3	244.0
85°	66.5	66.5	79.2	98.2	114.1	129.9	129.9	120.4	114.1	98.2	91.9
87.5°	22.2	19.0	25.3	25.3	22.2	25.3	25.3	28.5	28.5	28.5	28.5
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)