

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: P533841

Luminaire Tested: **GALN-SA9B-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26908 lumens
Efficiency: N/A
Efficacy: 73.9 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

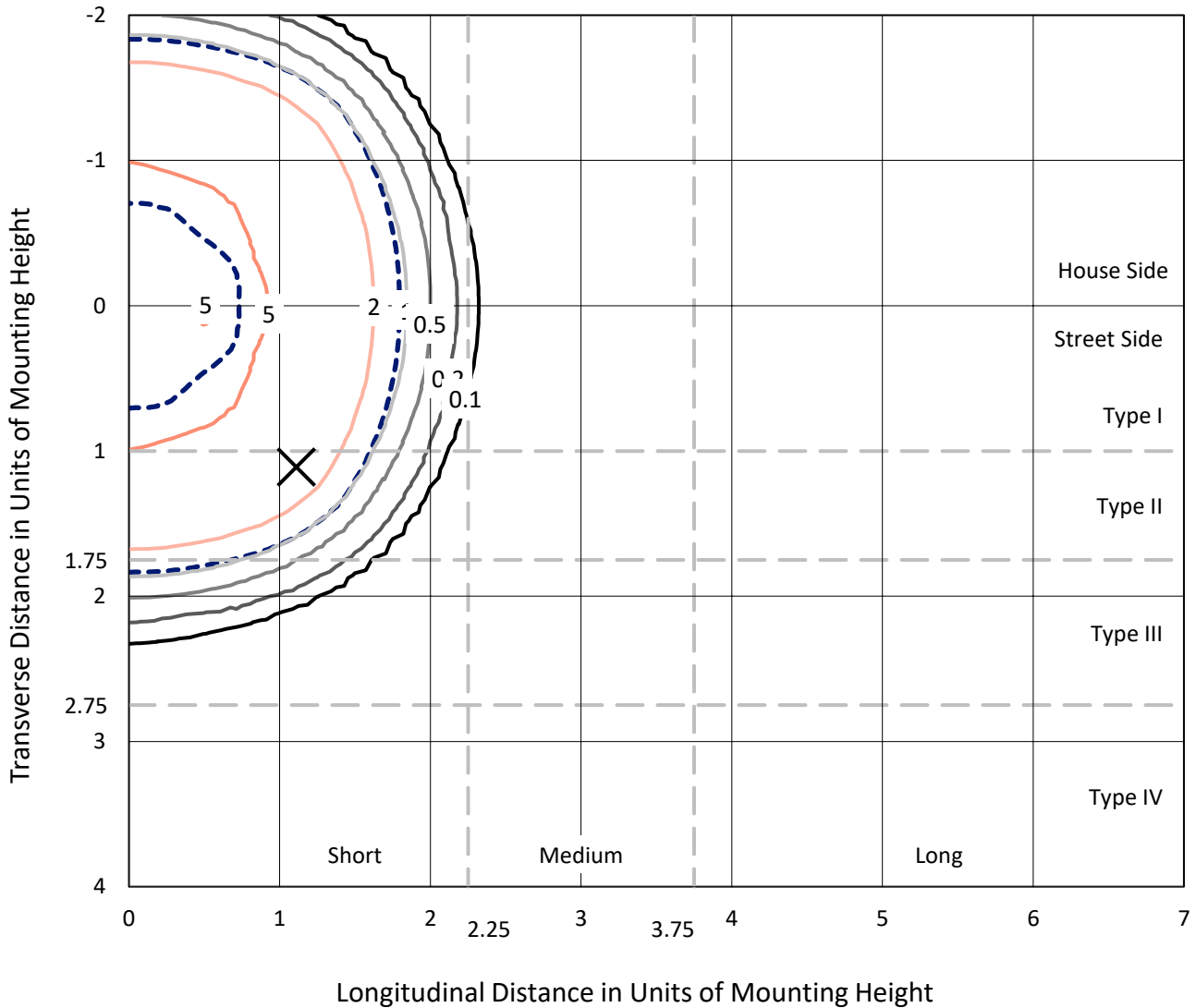
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

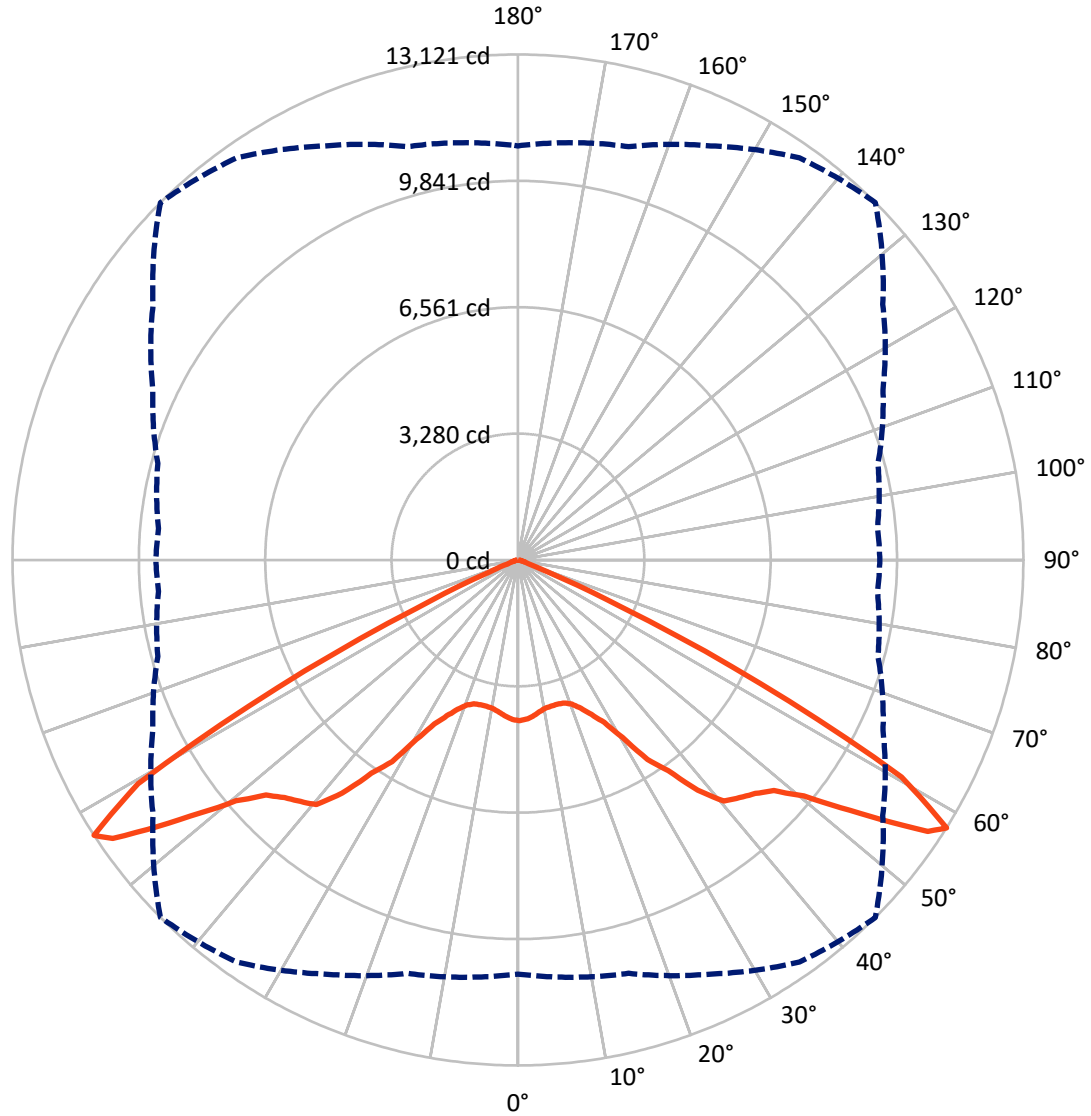
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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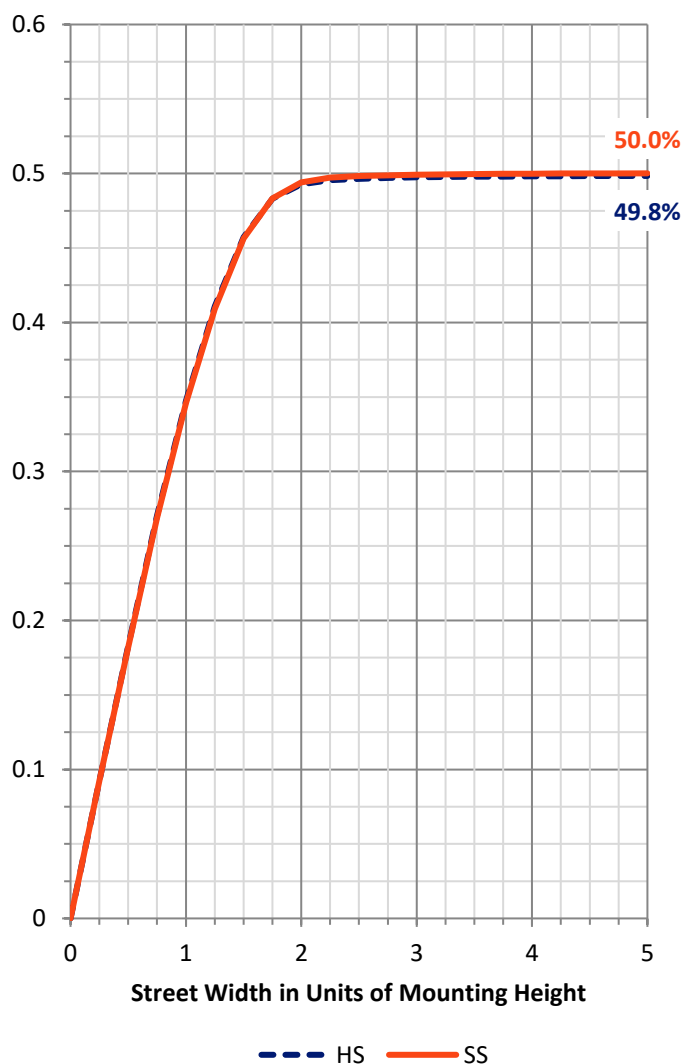
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13454.0	0.0	13454.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13454.0	0.0	13454.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26908.0	0.0	26908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.5	1.4
10°-20°	1108.6	4.1
20°-30°	2046.4	7.6
30°-40°	4024.4	15.0
40°-50°	6554.7	24.4
50°-60°	9347.8	34.7
60°-70°	3236.4	12.0
70°-80°	173.6	0.6
80°-90°	32.6	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°	26908.0	100.0
0°-180°	26908.0	100.0

Coefficient of Utilization



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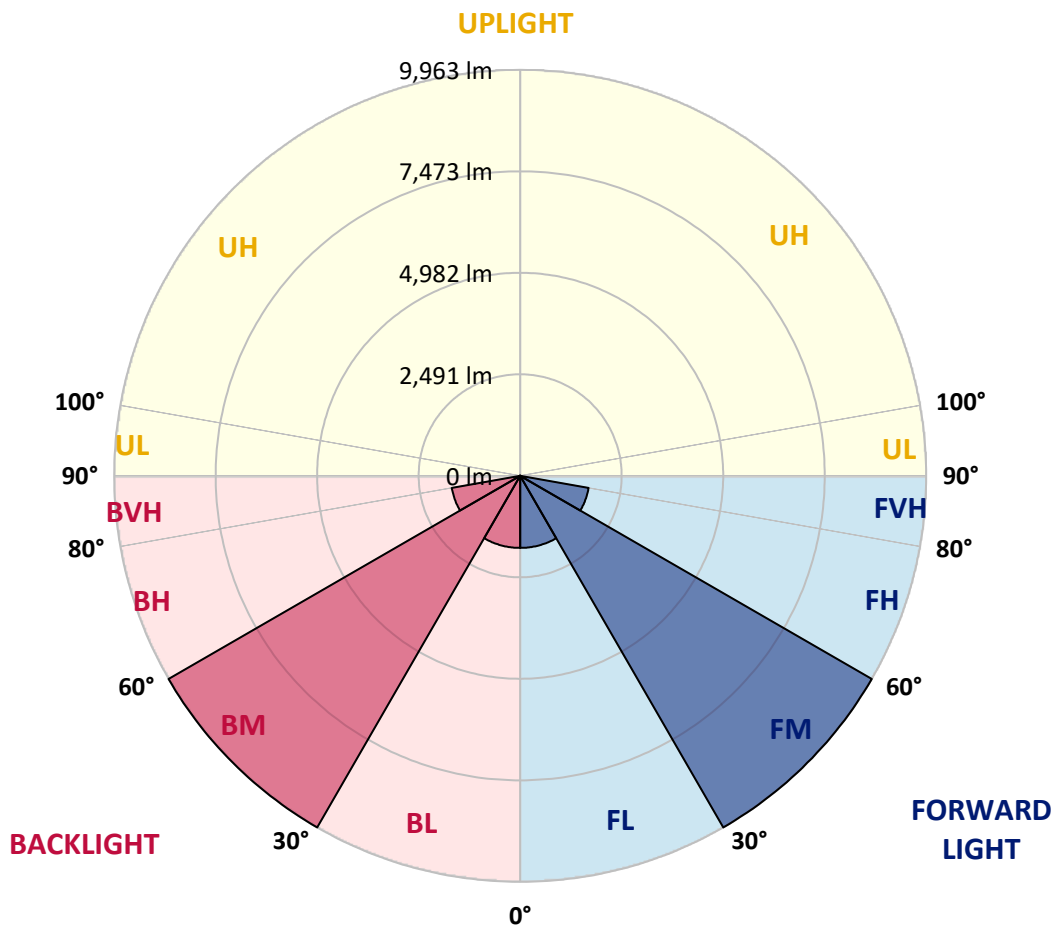
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1769.3	6.6			
FM (30°-60°)	9963.4	37.0			
FH (60°-80°)	1705.0	6.3			G1/1800
FVH (80°-90°)	16.3	0.1			G1/100
BL (0°-30°)	1769.3	6.6	B3/2500		
BM (30°-60°)	9963.4	37.0	B5		
BH (60°-80°)	1705.0	6.3	B3/2500		G1/1800
BVH (80°-90°)	16.3	0.1			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°	4173.7	4173.7	4173.7	4173.7	4173.7	4173.7	4173.7	4173.7	4173.7	4173.7	4173.7
2.5°	4162.5	4184.9	4156.9	4145.7	4140.1	4140.1	4123.2	4123.2	4117.6	4123.2	4100.8
5°	4095.2	4117.6	4117.6	4112.0	4078.3	4072.7	4055.9	4044.7	4050.3	4027.9	4044.7
7.5°	4027.9	4044.7	4022.2	4016.6	4005.4	3983.0	3977.4	3926.9	3932.5	3932.5	3943.7
10°	4016.6	4011.0	3977.4	3949.3	3915.7	3910.1	3893.2	3882.0	3882.0	3876.4	3893.2
12.5°	4016.6	3988.6	3983.0	3921.3	3865.2	3887.6	3842.7	3814.7	3854.0	3865.2	3887.6
15°	4011.0	4039.1	3943.7	3915.7	3876.4	3882.0	3842.7	3814.7	3837.1	3848.3	3865.2
17.5°	4044.7	4027.9	3999.8	3943.7	3926.9	3904.4	3854.0	3831.5	3831.5	3859.6	3865.2
20°	4134.4	4089.6	4033.5	4005.4	4022.2	3994.2	3932.5	3848.3	3870.8	3893.2	3910.1
22.5°	4218.6	4184.9	4145.7	4128.8	4224.2	4179.3	4072.7	3977.4	3943.7	3983.0	4011.0
25°	4381.3	4381.3	4308.3	4330.8	4437.4	4443.0	4319.6	4151.3	4128.8	4145.7	4156.9
27.5°	4712.3	4729.1	4667.4	4689.8	4734.7	4774.0	4667.4	4527.1	4476.6	4471.0	4487.9
30°	5071.3	5104.9	5099.3	5194.7	5323.7	5346.2	5189.1	4959.1	4807.6	4779.6	4802.0
32.5°	5542.5	5559.3	5548.1	5660.3	6008.1	6170.8	5761.3	5435.9	5234.0	5284.5	5234.0
35°	6428.9	6412.0	6288.6	6311.1	6597.2	6715.0	6322.3	6114.7	6019.3	6120.3	6097.9
37.5°	7191.8	7130.1	7029.1	7175.0	7472.3	7578.9	7169.4	6804.7	6630.8	6799.1	6872.0
40°	7836.9	7679.9	7539.6	7685.5	8083.8	8229.6	7629.4	7332.0	7264.7	7388.1	7545.2
42.5°	8381.1	8280.1	8095.0	8106.2	8369.9	8437.2	7954.7	7780.8	7713.5	7909.9	7988.4
45°	8768.2	8672.8	8498.9	8487.7	8689.6	8644.7	8212.8	8095.0	8134.3	8263.3	8302.5
47.5°	8964.5	9015.0	8914.0	8942.1	9048.7	8942.1	8599.9	8599.9	8510.1	8588.6	8549.4
50°	9531.1	9374.0	9503.0	9503.0	9615.2	9626.5	9284.3	9160.9	8919.6	8785.0	8785.0
52.5°	10193.1	10204.3	10254.8	10439.9	10630.6	10793.3	10305.3	9777.9	9374.0	9200.1	9177.7
55°	10737.2	10849.4	11051.4	11399.2	11948.9	12173.3	11331.9	10389.4	9895.7	9626.5	9570.4
56°	11034.5	10927.9	11275.8	11752.6	12470.6	12762.4	11500.1	10512.8	9968.7	9665.7	9660.1
57.5°	10748.4	10866.2	11107.5	11859.2	12739.9	13121.4	11561.9	10456.7	9677.0	9368.4	9396.5
60°	8487.7	8599.9	8925.2	9766.7	11146.7	11444.1	9783.5	8622.3	7926.7	7483.5	7489.1
62.5°	4802.0	4886.2	5138.6	5918.4	6776.7	7062.8	6097.9	5323.7	4841.3	4594.4	4515.9
65°	1767.1	1733.4	1772.7	2171.0	2698.3	2939.6	2535.6	2143.0	1890.5	1800.8	1767.1
67.5°	662.0	611.5	572.2	611.5	768.5	813.4	746.1	622.7	583.4	600.3	611.5
70°	409.5	387.1	308.5	291.7	286.1	280.5	297.3	314.2	359.0	420.7	432.0
72.5°	286.1	269.3	218.8	207.6	196.3	190.7	218.8	241.2	280.5	325.4	331.0
75°	112.2	117.8	112.2	123.4	129.0	134.6	157.1	173.9	190.7	190.7	185.1
77.5°	22.4	22.4	33.7	44.9	56.1	72.9	106.6	123.4	129.0	123.4	106.6
80°	0.0	0.0	11.2	22.4	44.9	61.7	95.4	106.6	117.8	106.6	84.1
82.5°	0.0	0.0	11.2	28.0	44.9	56.1	89.8	112.2	129.0	117.8	89.8
85°	0.0	0.0	11.2	22.4	33.7	39.3	39.3	28.0	28.0	16.8	11.2
87.5°	0.0	0.0	0.0	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)