

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: P532909

Luminaire Tested: **GALN-SA8B-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29694 lumens
Efficiency: N/A
Efficacy: 91.4 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

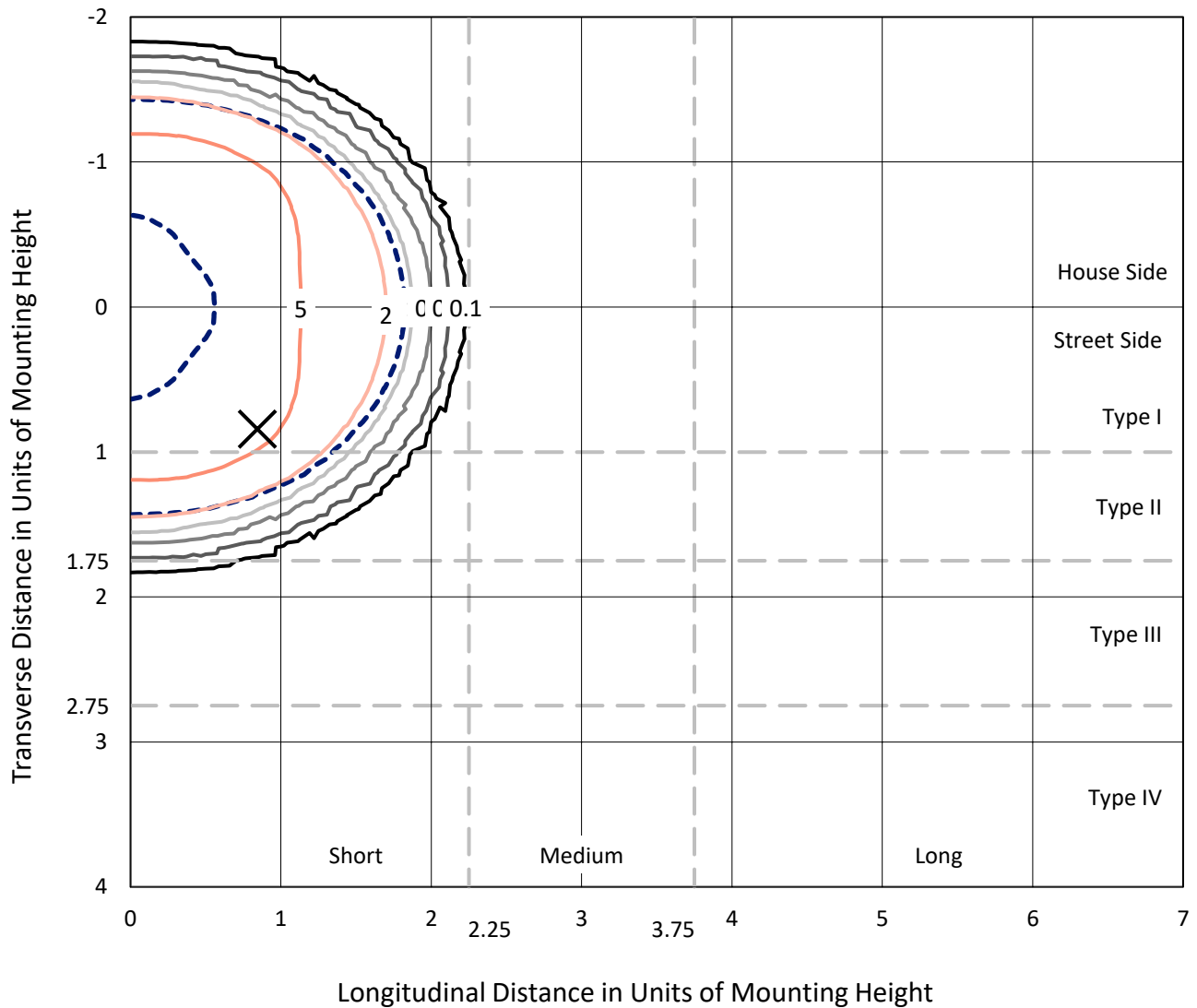
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

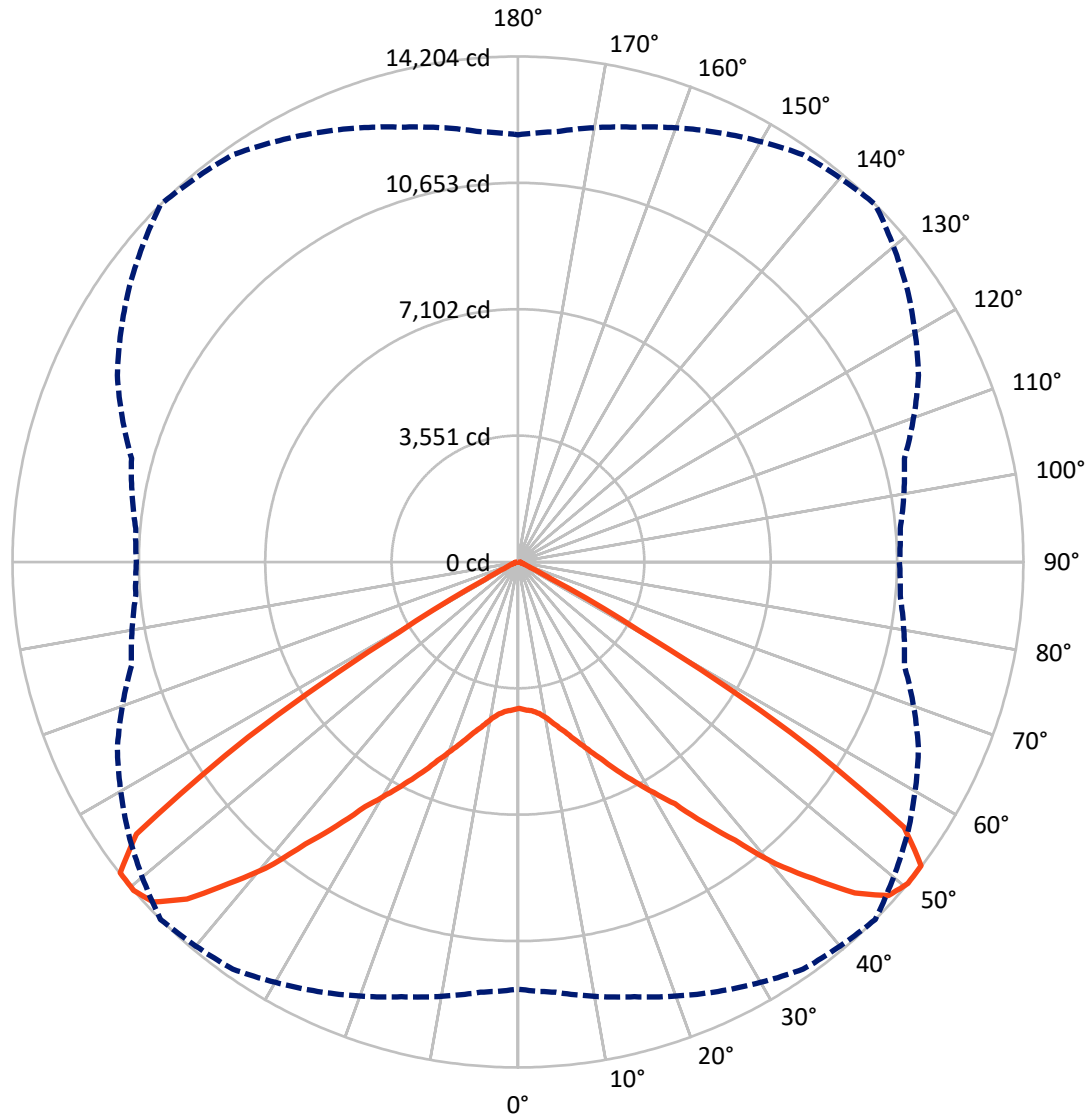
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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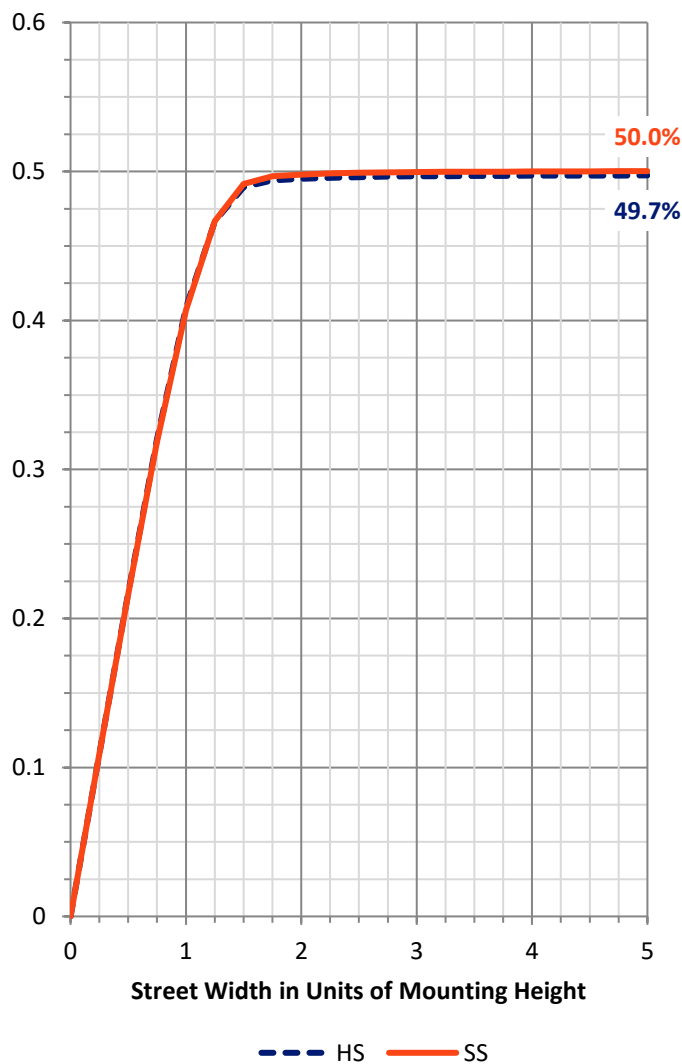
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14847.0	0.0	14847.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14847.0	0.0	14847.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29694.0	0.0	29694.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.6	1.4
10°-20°	1411.6	4.8
20°-30°	2883.0	9.7
30°-40°	5497.8	18.5
40°-50°	9264.6	31.2
50°-60°	8835.4	29.8
60°-70°	1233.4	4.2
70°-80°	118.0	0.4
80°-90°	40.8	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°	29694.0	100.0
0°-180°	29694.0	100.0

Coefficient of Utilization



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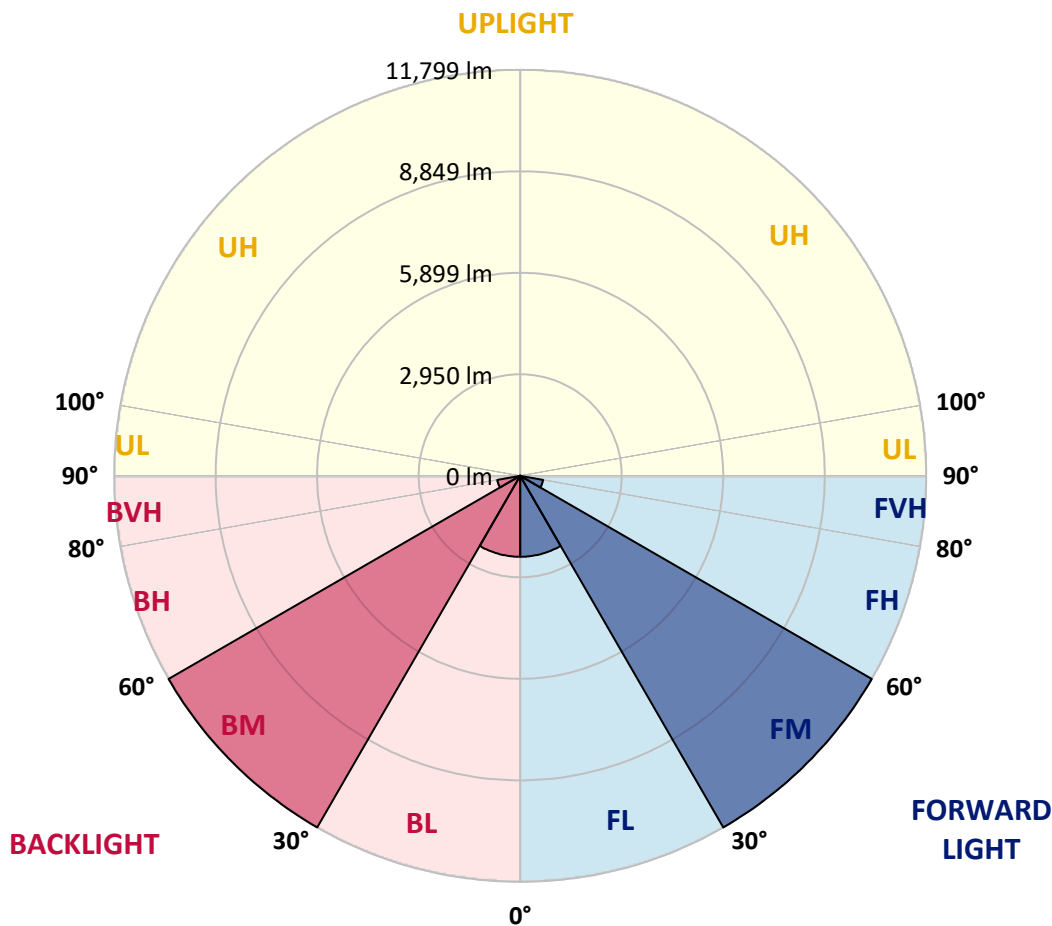
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2352.0	7.9			
FM (30°-60°)	11798.9	39.7			
FH (60°-80°)	675.7	2.3			G1/1800
FVH (80°-90°)	20.4	0.1			G1/100
BL (0°-30°)	2352.0	7.9	B3/2500		
BM (30°-60°)	11798.9	39.7	B5		
BH (60°-80°)	675.7	2.3	B2/1000		G1/1800
BVH (80°-90°)	20.4	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°	4116.7	4116.7	4116.7	4116.7	4116.7	4116.7	4116.7	4116.7	4116.7	4116.7	4116.7
2.5°	4101.8	4101.8	4096.8	4136.7	4116.7	4161.7	4156.7	4171.7	4186.7	4181.7	4221.7
5°	4066.8	4061.8	4061.8	4106.8	4151.7	4201.7	4246.6	4276.6	4326.6	4326.6	4376.5
7.5°	4101.8	4076.8	4111.8	4131.7	4216.7	4301.6	4376.5	4436.5	4551.4	4591.4	4576.4
10°	4111.8	4141.7	4166.7	4226.7	4331.6	4461.5	4526.4	4676.3	4806.2	4896.1	4916.1
12.5°	4176.7	4221.7	4291.6	4436.5	4531.4	4701.3	4791.2	4936.1	5116.0	5215.9	5285.8
15°	4301.6	4316.6	4406.5	4591.4	4796.2	4951.1	5091.0	5195.9	5370.8	5485.7	5490.7
17.5°	4461.5	4526.4	4651.3	4826.2	5041.0	5270.8	5380.7	5495.7	5560.6	5715.5	5750.5
20°	4781.2	4791.2	4911.1	5140.9	5410.7	5620.6	5700.5	5760.4	5735.5	5895.3	5925.3
22.5°	5081.0	5091.0	5240.9	5550.6	5840.4	6020.2	6055.2	6020.2	5945.3	6060.2	6070.2
25°	5385.7	5475.7	5585.6	5895.3	6255.1	6494.9	6499.9	6404.9	6250.1	6270.0	6320.0
27.5°	5860.4	5925.3	6040.2	6325.0	6719.7	6989.5	6944.5	6829.6	6629.8	6644.7	6629.8
30°	6414.9	6474.9	6569.8	6934.5	7224.3	7519.1	7584.0	7474.1	7174.3	7109.4	7184.3
32.5°	7084.4	7169.3	7344.2	7678.9	7923.7	8103.6	8148.6	8108.6	7828.8	7803.8	7853.8
35°	7898.8	8013.7	8173.5	8468.3	8668.1	8992.9	8992.9	8858.0	8603.2	8633.2	8628.2
37.5°	8758.1	8927.9	9177.7	9477.5	9747.3	9922.2	9867.2	9752.3	9497.5	9432.5	9497.5
40°	9837.2	9922.2	10236.9	10626.6	10956.3	11156.2	10921.4	10671.6	10062.0	10157.0	10331.8
42.5°	10821.4	10956.3	11196.2	11625.8	12000.5	12165.4	11885.6	11391.0	10656.6	10581.6	10711.5
45°	11660.8	11805.7	12120.4	12734.9	13129.6	13274.5	12655.0	11855.6	11016.3	10826.4	10881.4
47.5°	12220.3	12295.3	12734.9	13319.5	13679.2	14008.9	13119.6	12175.4	11186.2	10826.4	10806.5
50°	12005.5	12135.4	12650.0	13314.5	13969.0	14203.8	13354.4	12420.2	11241.1	10781.5	10721.5
52.5°	10661.6	10886.4	11460.9	12355.2	13344.5	14183.8	13679.2	12340.2	11221.1	10826.4	10916.4
55°	7419.1	7424.1	8123.6	9442.5	11191.2	13169.6	13204.6	12430.2	11351.0	11106.2	11111.2
57.5°	2982.6	3132.5	3667.1	4991.1	6604.8	9042.9	10751.5	11530.9	11366.0	11306.1	11460.9
60°	754.4	759.4	924.3	1408.9	2323.2	3876.9	5630.6	7619.0	8773.1	9167.8	9222.7
62.5°	384.7	389.7	429.7	499.6	634.5	1039.2	1848.5	2932.7	4171.7	4801.2	4966.1
65°	314.8	314.8	339.7	374.7	379.7	399.7	479.6	684.5	994.2	1129.1	1144.1
67.5°	239.8	239.8	259.8	279.8	289.8	284.8	274.8	284.8	344.7	329.7	319.7
70°	149.9	154.9	164.9	184.9	194.8	199.8	204.8	214.8	244.8	254.8	244.8
72.5°	89.9	89.9	94.9	109.9	124.9	134.9	149.9	159.9	174.9	199.8	194.8
75°	40.0	40.0	50.0	64.9	79.9	94.9	109.9	124.9	134.9	149.9	154.9
77.5°	10.0	15.0	25.0	45.0	60.0	79.9	99.9	114.9	124.9	124.9	119.9
80°	5.0	5.0	20.0	35.0	64.9	84.9	109.9	119.9	134.9	124.9	109.9
82.5°	5.0	5.0	20.0	35.0	60.0	84.9	114.9	129.9	139.9	124.9	104.9
85°	0.0	5.0	15.0	30.0	50.0	60.0	50.0	35.0	20.0	20.0	15.0
87.5°	0.0	0.0	5.0	5.0	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)