

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: P652592

Luminaire Tested: **GALN-SA9B-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652592
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-SA9B-840-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 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: 39075.3 lumens
Efficiency: N/A
Efficacy: 107.3 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

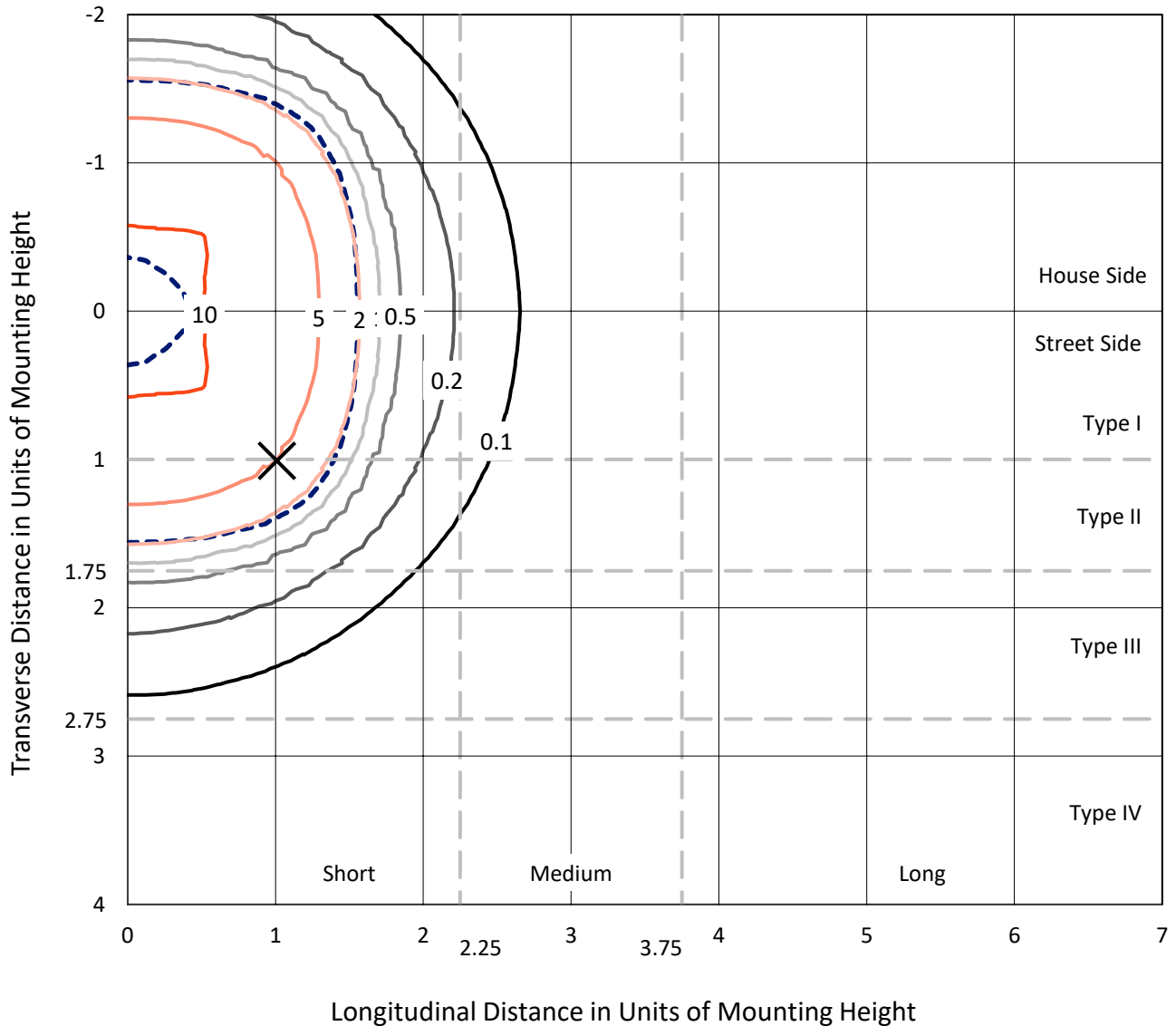
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

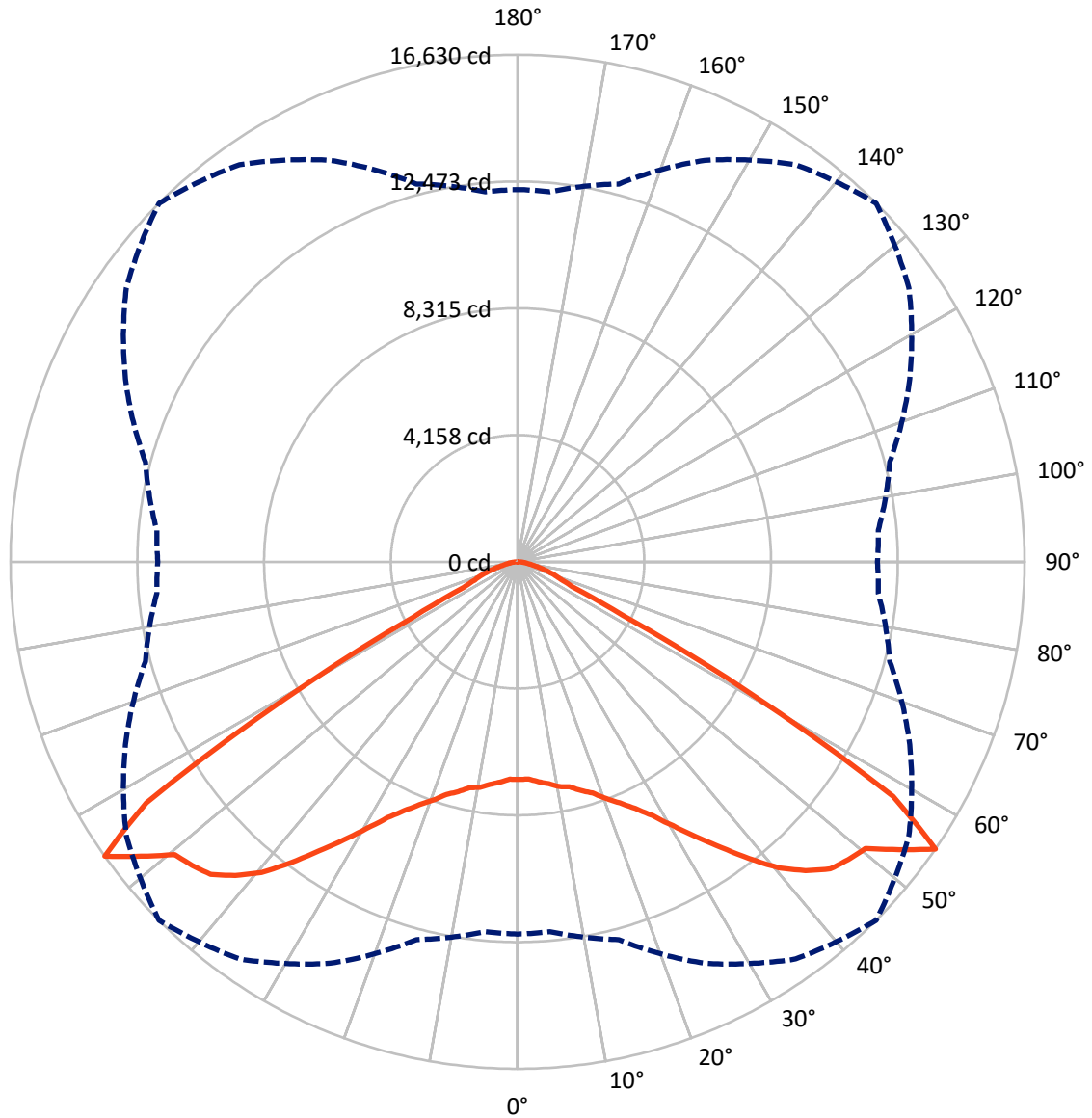
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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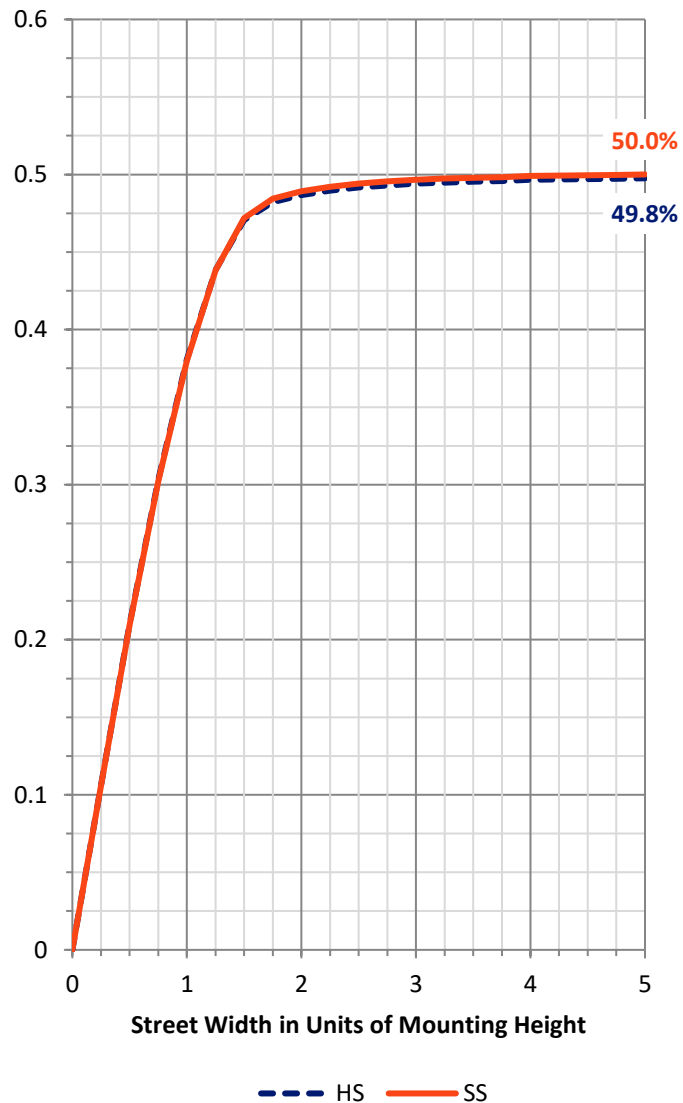
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19537.7	0.0	19537.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19537.7	0.0	19537.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	39075.3	0.0	39075.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.0	1.8
10°-20°	2208.4	5.7
20°-30°	4117.9	10.5
30°-40°	6894.8	17.6
40°-50°	10728.8	27.5
50°-60°	11139.9	28.5
60°-70°	2362.4	6.0
70°-80°	778.0	2.0
80°-90°	148.2	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°	39075.3	100.0
0°-180°	39075.3	100.0

Coefficient of Utilization



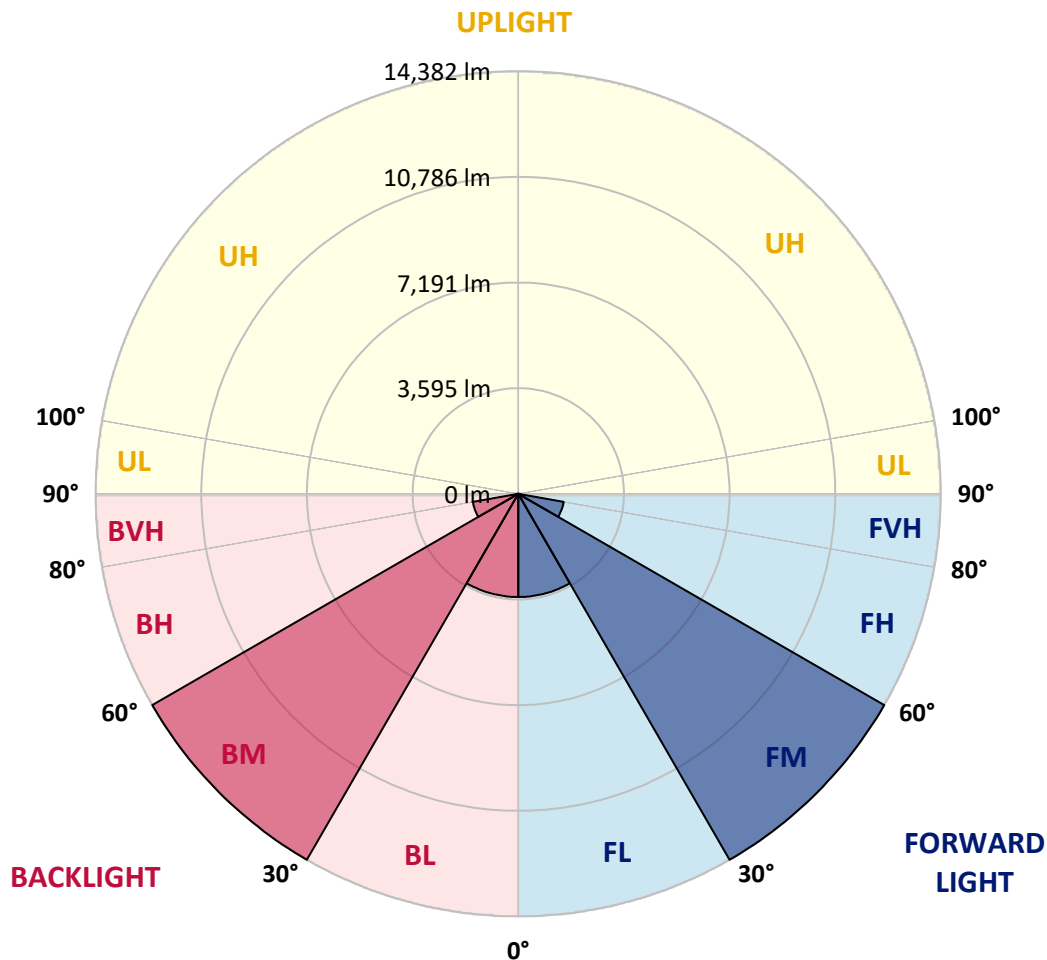
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3511.7	9.0			
FM (30°-60°)	14381.7	36.8			
FH (60°-80°)	1570.2	4.0			G1/1800
FVH (80°-90°)	74.1	0.2			G1/100
BL (0°-30°)	3511.7	9.0	B4/5000		
BM (30°-60°)	14381.7	36.8	B5		
BH (60°-80°)	1570.2	4.0	B3/2500		G1/1800
BVH (80°-90°)	74.1	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°	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6
2.5°	7219.6	7186.5	7129.8	7172.4	7205.4	7134.6	7162.9	7177.1	7167.7	7129.8	7144.0
5°	7323.4	7304.6	7257.3	7290.4	7247.9	7247.9	7219.6	7181.8	7238.5	7229.0	7252.6
7.5°	7323.4	7299.9	7394.2	7332.9	7351.8	7351.8	7304.6	7266.8	7295.1	7252.6	7229.0
10°	7469.8	7502.9	7460.3	7474.6	7465.1	7498.2	7427.3	7403.7	7380.1	7366.0	7337.6
12.5°	7644.5	7620.9	7635.1	7625.7	7658.7	7573.7	7531.2	7479.3	7521.7	7460.3	7502.9
15°	7786.1	7772.0	7786.1	7824.0	7790.9	7786.1	7710.6	7658.7	7592.6	7606.8	7540.7
17.5°	7979.7	7965.6	7970.3	8003.4	7998.7	7975.0	7918.4	7819.2	7795.6	7757.9	7715.3
20°	8267.8	8244.2	8234.7	8248.9	8272.5	8291.4	8178.1	8140.3	8060.1	7998.7	7927.9
22.5°	8513.4	8503.9	8541.7	8480.3	8532.2	8588.9	8480.3	8461.4	8263.1	8230.0	8154.5
25°	8853.3	8839.2	8815.5	8905.3	8966.7	8961.9	8858.0	8754.1	8603.0	8565.2	8565.2
27.5°	9212.1	9131.9	9254.6	9278.2	9386.8	9419.9	9330.2	9179.1	9037.5	8957.2	8976.1
30°	9660.7	9585.2	9613.5	9783.5	9925.1	10047.9	9821.3	9599.3	9401.0	9259.4	9235.8
32.5°	10109.3	10033.7	10118.7	10284.0	10567.3	10751.4	10529.5	10142.4	9911.0	9703.2	9745.7
35°	10472.9	10529.5	10666.5	10916.7	11209.4	11506.9	11152.8	10855.3	10524.8	10293.4	10326.5
37.5°	11058.4	11233.1	11341.6	11629.7	12045.2	12352.1	11983.8	11596.6	11242.5	10940.3	10836.5
40°	11823.3	11941.4	12064.1	12404.1	12895.1	13202.0	12852.7	12347.4	11998.0	11686.4	11672.2
42.5°	12663.8	12777.1	12904.6	13320.1	13612.8	13844.2	13523.1	13254.0	12866.8	12621.3	12607.1
45°	13641.2	13560.9	13702.6	13976.4	14222.0	14373.0	14165.3	14033.1	13754.5	13527.8	13504.3
47.5°	14292.8	14222.0	14476.9	14722.5	14760.2	14595.0	14637.4	14760.2	14467.5	14094.5	14212.5
50°	14670.5	14670.5	14840.5	15067.1	14996.3	14783.9	15119.1	15128.5	14835.7	14505.2	14505.2
52.5°	14014.2	14160.6	14642.1	15383.5	15619.6	15680.9	15605.4	15284.3	14519.4	13844.2	13811.2
55°	12210.5	12177.4	12829.0	14528.9	15902.9	16630.0	15666.8	14188.9	12635.4	11875.3	11799.7
57.5°	7942.0	7979.7	8952.4	10685.3	13164.3	14519.4	12895.1	10817.5	8952.4	7904.2	8003.4
60°	3574.3	3701.8	4292.0	5585.8	7715.3	8820.2	7734.3	5869.2	4504.6	3909.6	3961.5
62.5°	2054.0	2077.6	2101.2	2493.1	3286.4	3886.0	3413.9	2634.8	2323.1	2219.2	2219.2
65°	1732.9	1718.8	1723.5	1756.5	1841.5	1964.2	1912.3	1841.5	1851.0	1841.5	1827.3
67.5°	1473.2	1492.1	1477.9	1501.5	1506.2	1525.2	1558.2	1586.5	1591.3	1600.7	1591.3
70°	1208.8	1213.5	1222.9	1241.8	1246.5	1260.7	1307.9	1331.6	1345.7	1345.7	1364.6
72.5°	925.4	920.7	930.1	949.1	972.7	977.4	1019.9	1052.9	1071.9	1048.2	1052.9
75°	609.1	613.8	628.0	642.2	675.2	708.3	722.4	755.5	760.2	769.7	746.1
77.5°	363.6	373.0	387.2	415.5	443.9	472.1	505.2	528.8	538.2	528.8	500.5
80°	236.1	236.1	255.0	278.6	311.7	335.2	354.1	373.0	387.2	373.0	363.6
82.5°	146.3	146.3	170.0	198.3	221.9	236.1	264.4	288.0	302.2	292.8	278.6
85°	75.5	80.2	99.2	122.8	141.6	151.1	146.3	132.2	118.1	113.3	103.9
87.5°	23.6	23.6	28.3	28.3	23.6	23.6	28.3	23.6	28.3	28.3	28.3
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)