

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: P532928

Luminaire Tested: **GALN-SA8B-750-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532928
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-SA8B-750-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 40556 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

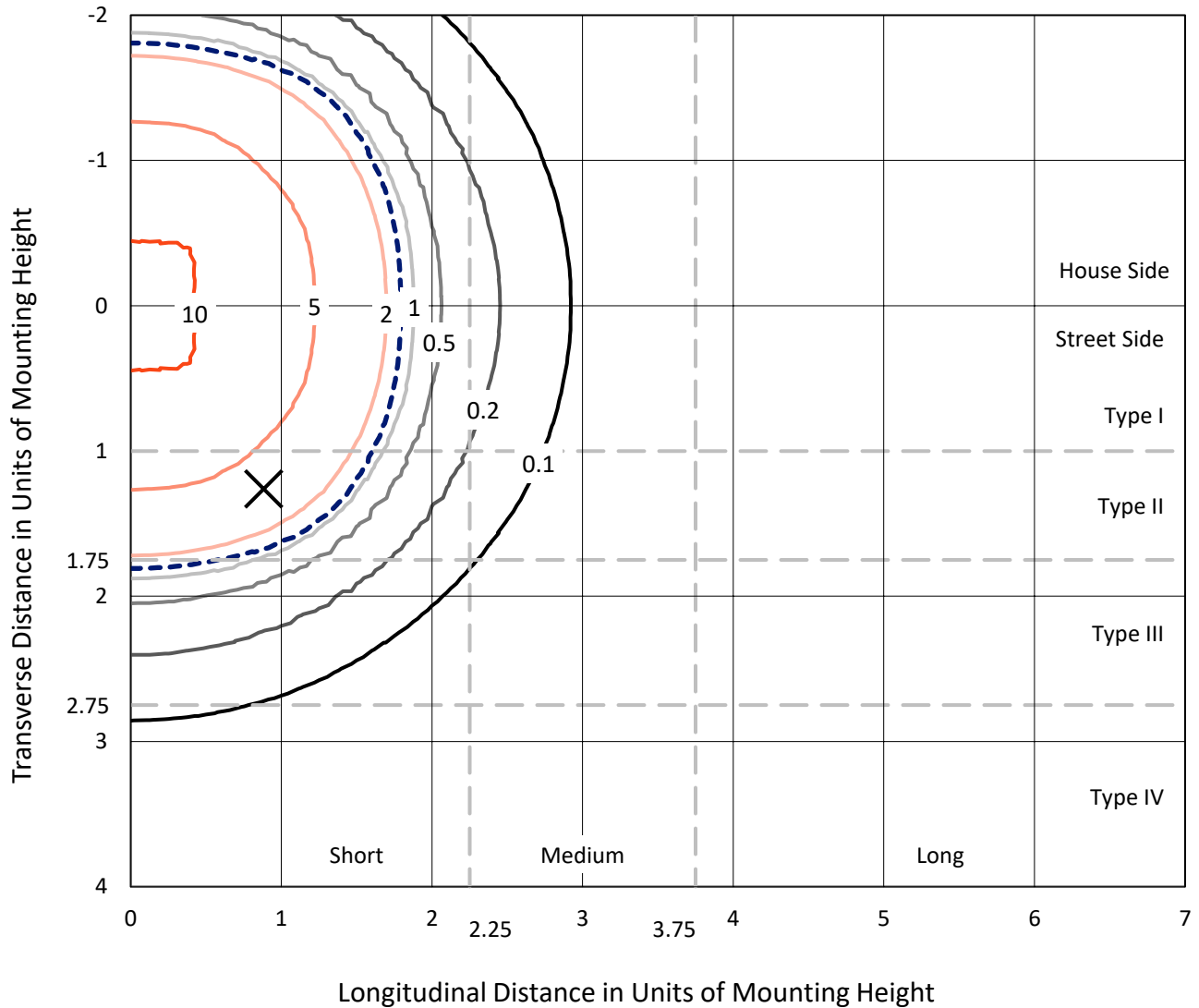
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

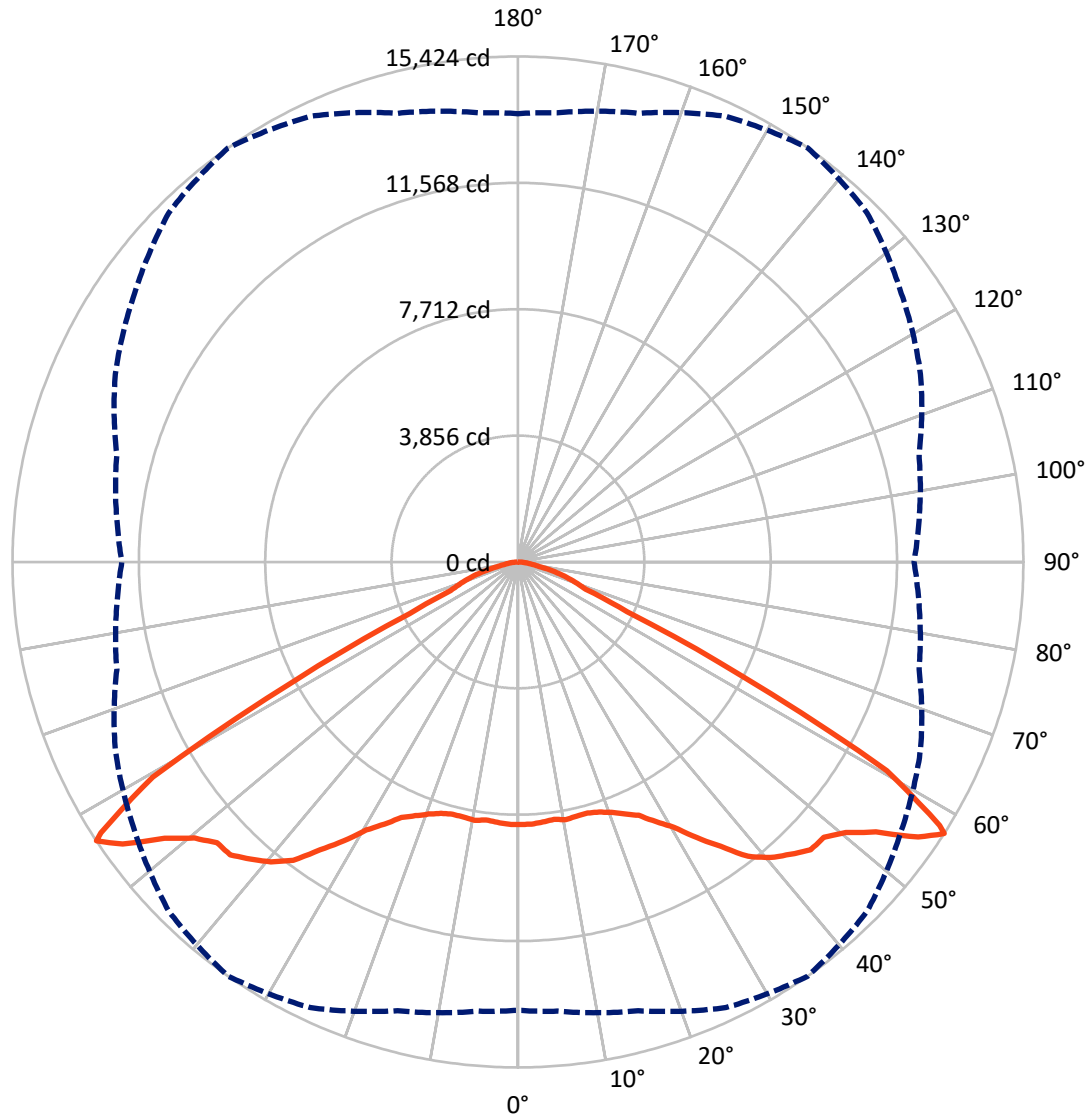
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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	20278.0	0.0	20278.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20278.0	0.0	20278.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40556.0	0.0	40556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.3	1.9
10°-20°	2248.9	5.5
20°-30°	3927.7	9.7
30°-40°	6435.7	15.9
40°-50°	9436.2	23.3
50°-60°	11885.7	29.3
60°-70°	4470.1	11.0
70°-80°	1188.6	2.9
80°-90°	203.8	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°	40556.0	100.0
0°-180°	40556.0	100.0

Coefficient of Utilization



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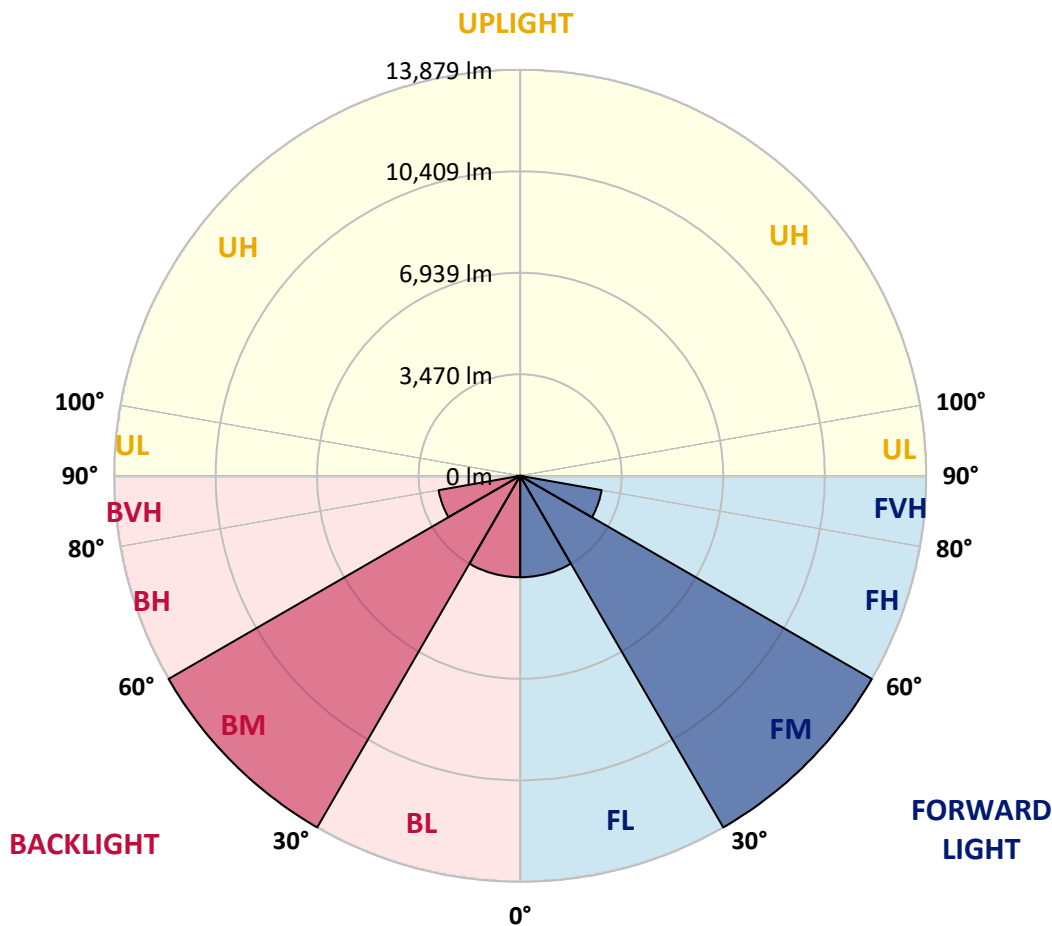
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3468.0	8.6			
FM (30°-60°)	13878.8	34.2			
FH (60°-80°)	2829.3	7.0			G2/5000
FVH (80°-90°)	101.9	0.3			G2/225
BL (0°-30°)	3468.0	8.6	B4/5000		
BM (30°-60°)	13878.8	34.2	B5		
BH (60°-80°)	2829.3	7.0	B4/5000		G2/5000
BVH (80°-90°)	101.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8009.5	8009.5	8009.5	8009.5	8009.5	8009.5	8009.5	8009.5	8009.5	8009.5	8009.5
2.5°	7969.5	8049.5	8014.5	7994.5	8009.5	7984.5	7944.6	7989.5	7979.5	7939.6	7924.6
5°	7949.6	8009.5	7969.5	8009.5	7969.5	8039.5	8019.5	7944.6	8034.5	7949.6	7979.5
7.5°	7934.6	7954.5	7964.5	7944.6	7929.6	8014.5	7969.5	7934.6	7884.6	7869.6	7894.6
10°	7899.6	7949.6	7874.6	7974.5	7994.5	7934.6	7934.6	7869.6	7829.6	7804.7	7889.6
12.5°	7989.5	7904.6	7894.6	7944.6	7959.5	7984.5	7914.6	7879.6	7804.7	7814.6	7799.7
15°	7884.6	7919.6	7924.6	7934.6	7949.6	8009.5	7944.6	7869.6	7839.6	7734.7	7744.7
17.5°	7924.6	7889.6	7924.6	8039.5	8019.5	8064.5	7994.5	7879.6	7809.6	7749.7	7829.6
20°	7994.5	7979.5	7994.5	8134.4	8159.4	8199.4	8139.4	8034.5	7899.6	7829.6	7869.6
22.5°	8069.5	8059.5	8069.5	8204.4	8349.3	8399.2	8339.3	8094.5	8024.5	7894.6	7849.6
25°	8204.4	8214.4	8319.3	8469.2	8564.1	8659.1	8549.1	8374.3	8149.4	8069.5	7974.5
27.5°	8504.2	8529.2	8589.1	8809.0	8973.9	9058.8	8903.9	8664.1	8524.2	8359.3	8334.3
30°	8873.9	8873.9	8978.8	9168.7	9393.6	9523.5	9333.6	9048.8	8878.9	8789.0	8734.0
32.5°	9363.6	9308.6	9348.6	9683.4	10033.1	10143.0	9888.2	9538.5	9268.6	9148.7	9108.8
35°	9783.3	9818.3	9908.2	10268.0	10657.7	10912.5	10512.8	10058.1	9783.3	9673.4	9653.4
37.5°	10327.9	10387.9	10432.9	10927.5	11397.2	11492.1	11107.4	10742.6	10407.9	10317.9	10268.0
40°	11097.4	11057.4	11072.4	11437.2	11861.9	11921.8	11542.1	11282.3	11007.5	10952.5	10952.5
42.5°	11732.0	11687.0	11737.0	11871.9	12196.6	12151.7	11941.8	11751.9	11637.0	11577.1	11637.0
45°	12116.7	12106.7	12196.6	12296.6	12526.4	12376.5	12211.6	12241.6	12131.7	12031.8	12026.8
47.5°	12536.4	12471.5	12581.4	12731.3	12556.4	12486.4	12476.5	12541.4	12506.4	12331.5	12276.6
50°	12741.3	12716.3	12891.2	13066.0	12971.1	12811.2	12846.2	12951.1	12501.4	12266.6	12131.7
52.5°	13290.9	13295.9	13630.7	13725.6	13685.6	13450.8	13525.7	13240.9	12711.3	12381.5	12396.5
55°	14155.3	14120.3	14495.1	14774.9	14819.8	14520.0	14160.3	13760.6	13096.0	12761.3	12661.3
57°	13680.6	13760.6	14175.3	15004.7	15424.4	15069.7	14285.2	13555.7	12671.3	12266.6	12086.7
57.5°	13046.1	13176.0	13895.5	14729.9	15169.6	15139.6	14130.3	13176.0	12386.5	11756.9	11771.9
60°	9558.4	9583.4	10233.0	11557.1	12931.1	12961.1	11732.0	10467.8	9588.4	8903.9	8998.8
62.5°	5041.5	5156.5	5416.3	6480.6	7669.7	7959.5	7215.1	6565.5	5806.0	5286.4	5336.3
65°	2668.2	2653.2	2778.1	3077.9	3662.5	3812.4	3712.5	3197.8	2933.0	2848.0	2853.0
67.5°	2168.5	2193.5	2178.5	2193.5	2233.5	2298.4	2283.4	2303.4	2318.4	2343.4	2338.4
70°	1838.7	1838.7	1848.7	1853.7	1853.7	1883.7	1918.7	1983.6	1988.6	2013.6	2023.6
72.5°	1449.0	1439.0	1454.0	1489.0	1494.0	1519.0	1568.9	1608.9	1623.9	1623.9	1593.9
75°	984.3	994.3	1014.3	1044.3	1074.3	1119.2	1159.2	1184.2	1194.2	1179.2	1164.2
77.5°	554.6	564.6	579.6	624.6	659.5	699.5	744.5	769.5	794.5	799.5	769.5
80°	329.8	329.8	354.8	389.7	429.7	469.7	509.7	539.6	549.6	549.6	534.6
82.5°	199.9	204.9	224.8	259.8	294.8	319.8	354.8	379.7	399.7	394.7	384.7
85°	104.9	104.9	124.9	154.9	179.9	204.9	204.9	189.9	179.9	154.9	144.9
87.5°	35.0	30.0	40.0	40.0	35.0	40.0	40.0	45.0	45.0	45.0	45.0
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)