

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: P527312

Luminaire Tested: **GALN-SA2B-750-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527312
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-SA2B-750-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 10100 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

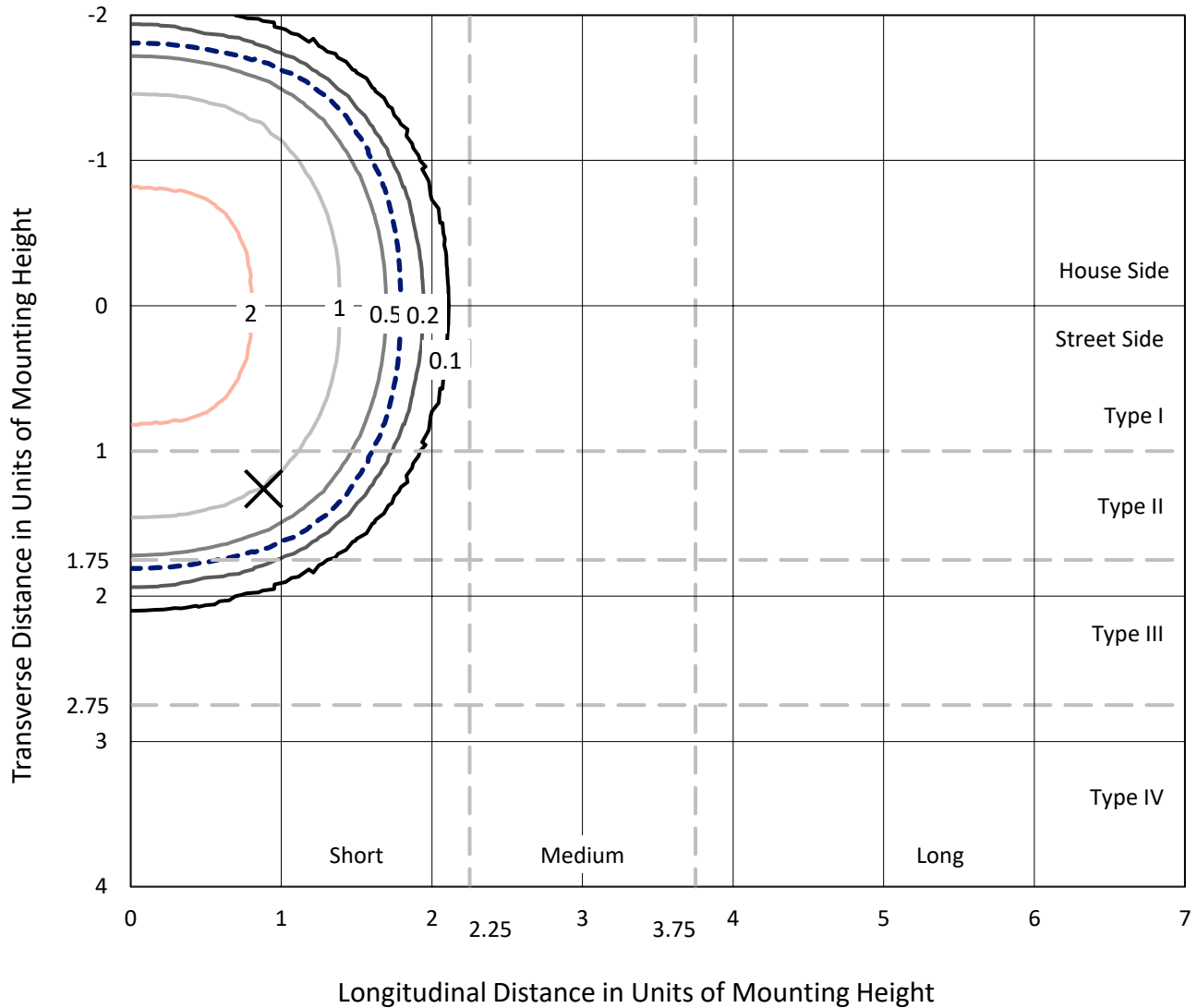
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

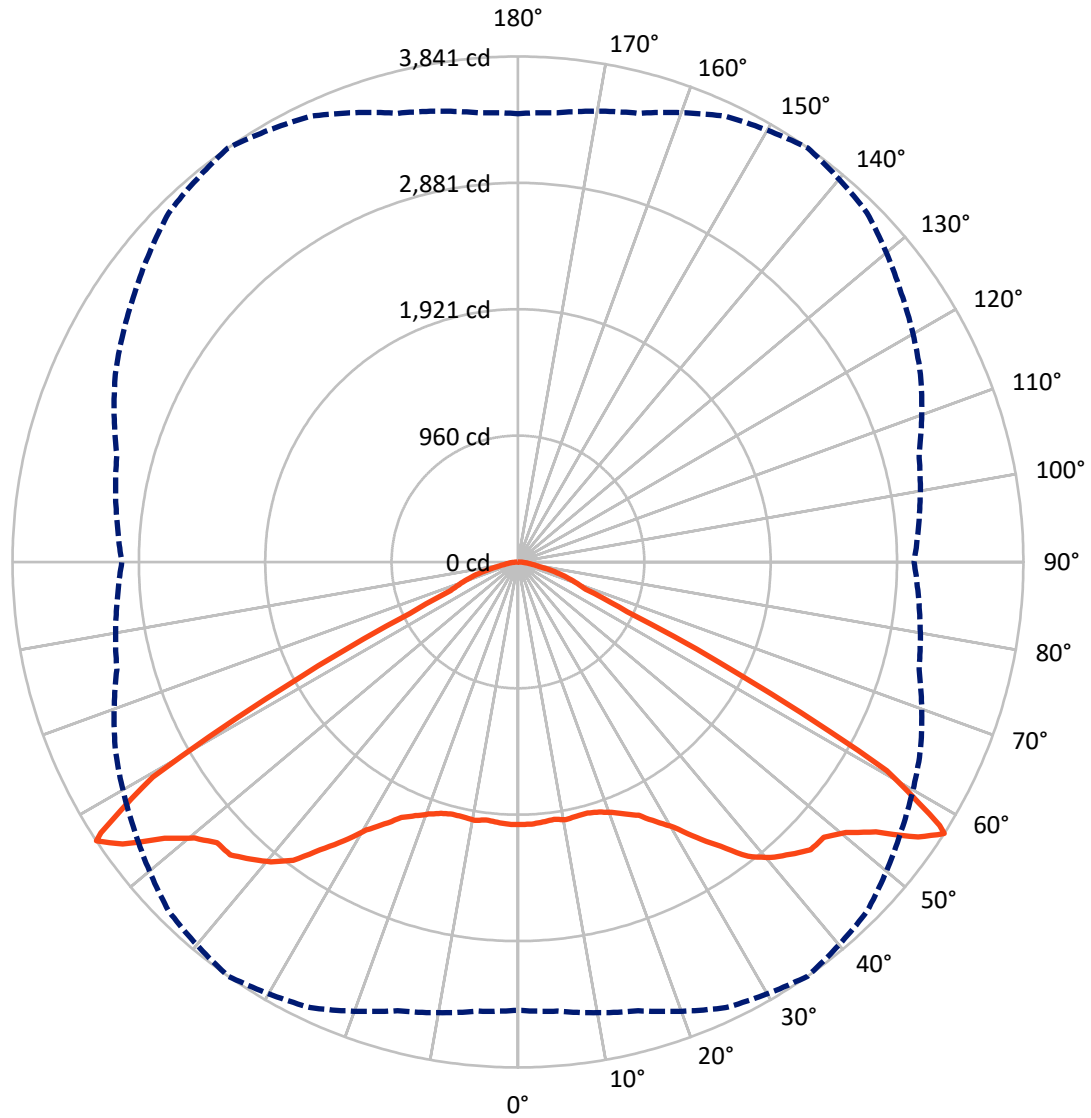
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	5050.0	0.0	5050.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5050.0	0.0	5050.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10100.0	0.0	10100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	1.9
10°-20°	560.1	5.5
20°-30°	978.2	9.7
30°-40°	1602.7	15.9
40°-50°	2350.0	23.3
50°-60°	2960.0	29.3
60°-70°	1113.2	11.0
70°-80°	296.0	2.9
80°-90°	50.8	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°	10100.0	100.0
0°-180°	10100.0	100.0

Coefficient of Utilization



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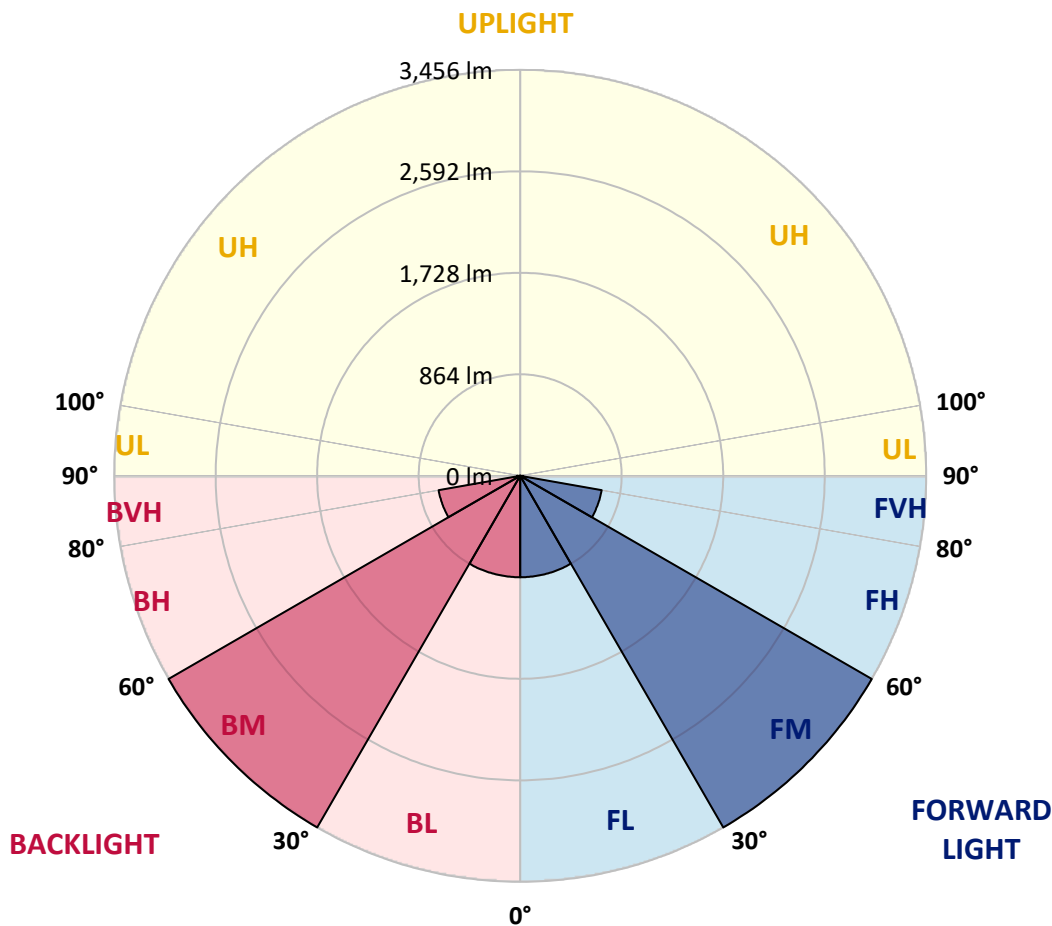
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.7	8.6			
FM (30°-60°)	3456.3	34.2			
FH (60°-80°)	704.6	7.0			G1/1800
FVH (80°-90°)	25.4	0.3			G1/100
BL (0°-30°)	863.7	8.6	B2/1000		
BM (30°-60°)	3456.3	34.2	B3/5000		
BH (60°-80°)	704.6	7.0	B2/1000		G1/1800
BVH (80°-90°)	25.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7
2.5°	1984.7	2004.6	1995.9	1990.9	1994.7	1988.5	1978.5	1989.7	1987.2	1977.3	1973.5
5°	1979.7	1994.7	1984.7	1994.7	1984.7	2002.1	1997.2	1978.5	2000.9	1979.7	1987.2
7.5°	1976.0	1981.0	1983.5	1978.5	1974.8	1995.9	1984.7	1976.0	1963.6	1959.8	1966.1
10°	1967.3	1979.7	1961.1	1986.0	1990.9	1976.0	1976.0	1959.8	1949.9	1943.7	1964.8
12.5°	1989.7	1968.5	1966.1	1978.5	1982.2	1988.5	1971.0	1962.3	1943.7	1946.1	1942.4
15°	1963.6	1972.3	1973.5	1976.0	1979.7	1994.7	1978.5	1959.8	1952.4	1926.2	1928.7
17.5°	1973.5	1964.8	1973.5	2002.1	1997.2	2008.4	1990.9	1962.3	1944.9	1930.0	1949.9
20°	1990.9	1987.2	1990.9	2025.8	2032.0	2042.0	2027.0	2000.9	1967.3	1949.9	1959.8
22.5°	2009.6	2007.1	2009.6	2043.2	2079.3	2091.7	2076.8	2015.8	1998.4	1966.1	1954.9
25°	2043.2	2045.7	2071.8	2109.2	2132.8	2156.4	2129.1	2085.5	2029.5	2009.6	1986.0
27.5°	2117.9	2124.1	2139.0	2193.8	2234.8	2256.0	2217.4	2157.7	2122.8	2081.8	2075.6
30°	2209.9	2209.9	2236.1	2283.4	2339.4	2371.7	2324.4	2253.5	2211.2	2188.8	2175.1
32.5°	2331.9	2318.2	2328.2	2411.5	2498.6	2526.0	2462.5	2375.4	2308.2	2278.4	2268.4
35°	2436.4	2445.1	2467.5	2557.1	2654.2	2717.6	2618.1	2504.9	2436.4	2409.0	2404.1
37.5°	2572.0	2587.0	2598.2	2721.4	2838.3	2862.0	2766.2	2675.3	2592.0	2569.6	2557.1
40°	2763.7	2753.7	2757.5	2848.3	2954.1	2969.0	2874.4	2809.7	2741.3	2727.6	2727.6
42.5°	2921.7	2910.5	2923.0	2956.5	3037.4	3026.2	2974.0	2926.7	2898.1	2883.1	2898.1
45°	3017.5	3015.0	3037.4	3062.3	3119.6	3082.2	3041.2	3048.6	3021.3	2996.4	2995.1
47.5°	3122.0	3105.9	3133.2	3170.6	3127.0	3109.6	3107.1	3123.3	3114.6	3071.0	3057.3
50°	3173.1	3166.8	3210.4	3253.9	3230.3	3190.5	3199.2	3225.3	3113.3	3054.9	3021.3
52.5°	3309.9	3311.2	3394.6	3418.2	3408.2	3349.8	3368.4	3297.5	3165.6	3083.5	3087.2
55°	3525.2	3516.5	3609.8	3679.5	3690.7	3616.0	3526.5	3426.9	3261.4	3178.0	3153.2
57°	3407.0	3426.9	3530.2	3736.8	3841.3	3752.9	3557.6	3375.9	3155.6	3054.9	3010.1
57.5°	3249.0	3281.3	3460.5	3668.3	3777.8	3770.3	3519.0	3281.3	3084.7	2927.9	2931.7
60°	2380.4	2386.6	2548.4	2878.2	3220.3	3227.8	2921.7	2606.9	2387.9	2217.4	2241.1
62.5°	1255.5	1284.2	1348.9	1613.9	1910.1	1982.2	1796.8	1635.1	1445.9	1316.5	1329.0
65°	664.5	660.7	691.9	766.5	912.1	949.4	924.5	796.4	730.4	709.3	710.5
67.5°	540.0	546.3	542.5	546.3	556.2	572.4	568.7	573.6	577.4	583.6	582.4
70°	457.9	457.9	460.4	461.6	461.6	469.1	477.8	494.0	495.2	501.5	504.0
72.5°	360.9	358.4	362.1	370.8	372.1	378.3	390.7	400.7	404.4	404.4	396.9
75°	245.1	247.6	252.6	260.1	267.5	278.7	288.7	294.9	297.4	293.7	289.9
77.5°	138.1	140.6	144.3	155.5	164.3	174.2	185.4	191.6	197.8	199.1	191.6
80°	82.1	82.1	88.3	97.1	107.0	117.0	126.9	134.4	136.9	136.9	133.1
82.5°	49.8	51.0	56.0	64.7	73.4	79.6	88.3	94.6	99.5	98.3	95.8
85°	26.1	26.1	31.1	38.6	44.8	51.0	51.0	47.3	44.8	38.6	36.1
87.5°	8.7	7.5	10.0	10.0	8.7	10.0	10.0	11.2	11.2	11.2	11.2
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)