

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: P648251

Luminaire Tested: **GALN-SA2B-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9377.2 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

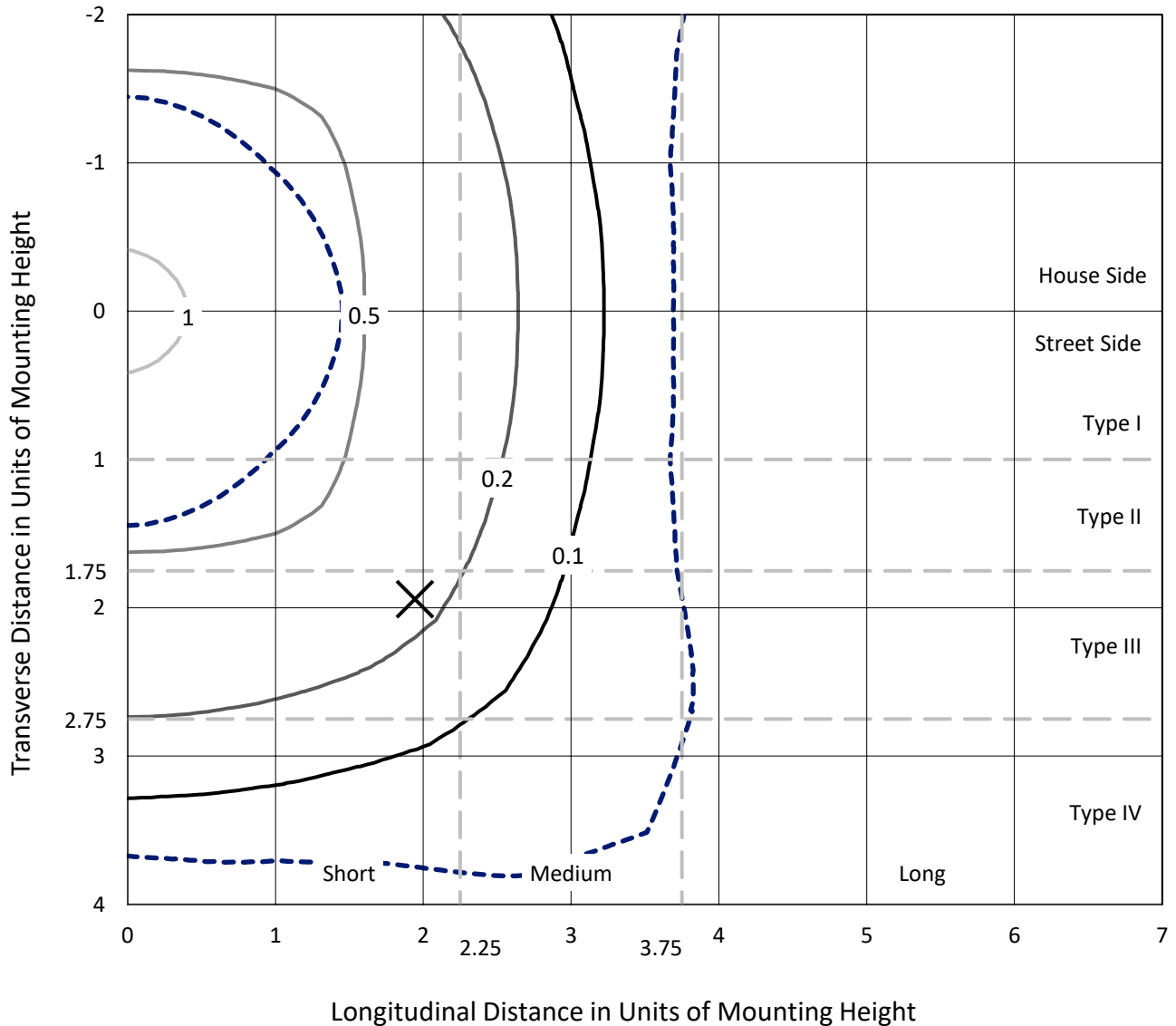




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Iso-Footcandle Lines of Horizontal Illumination

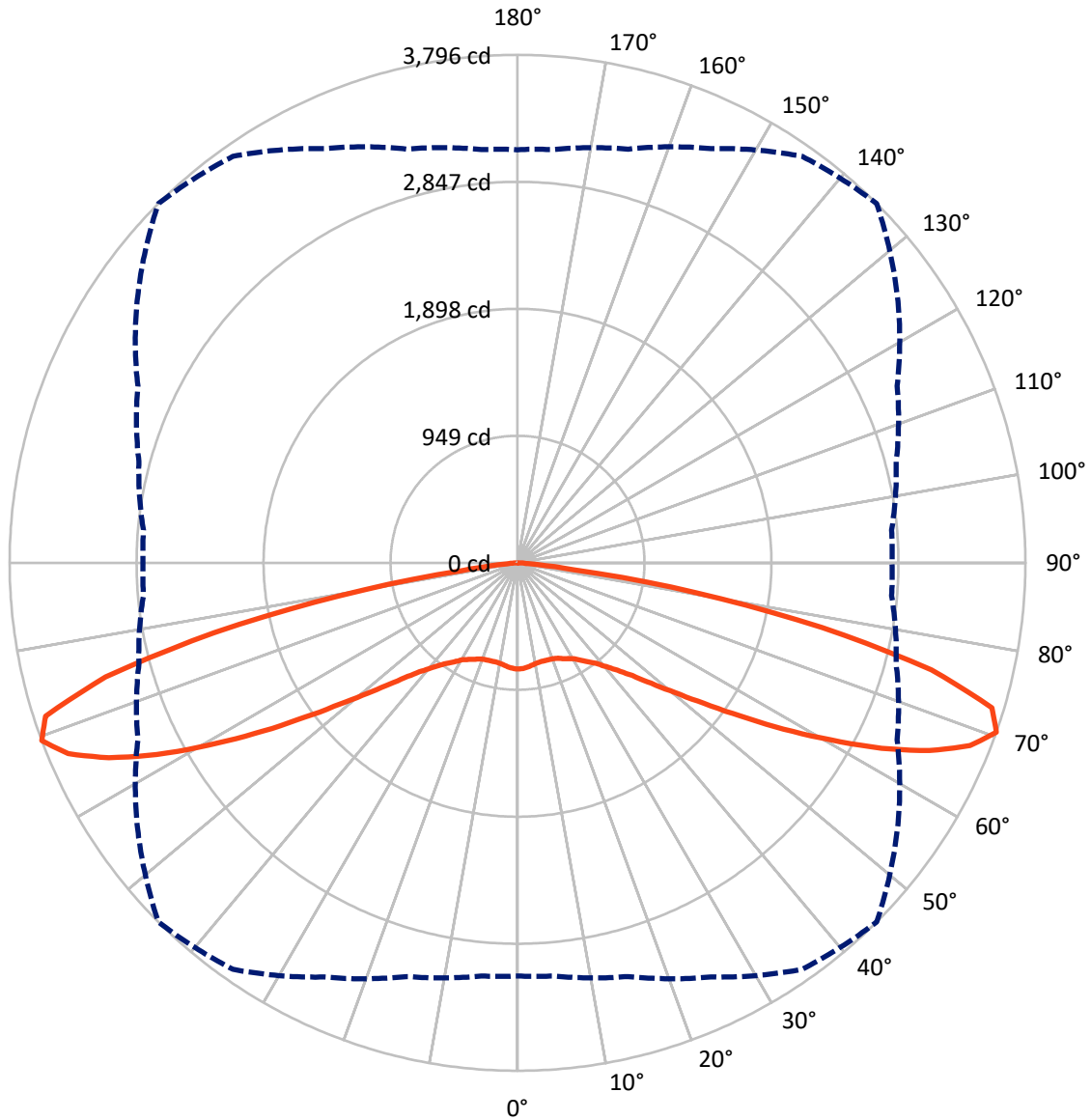
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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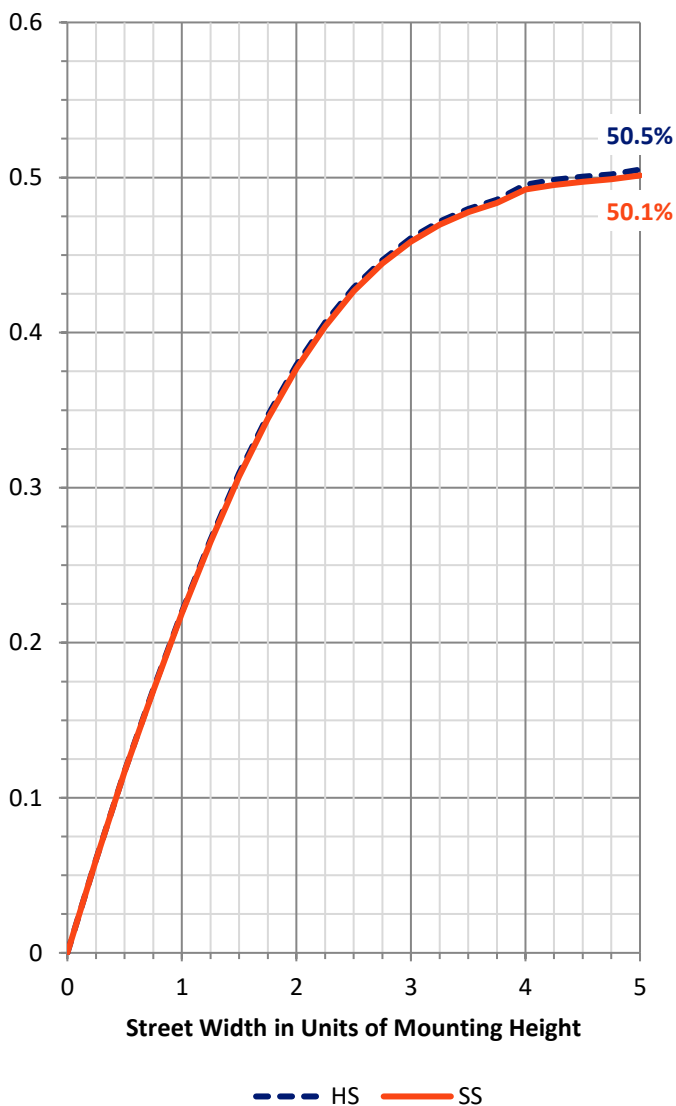
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4688.6	0.0	4688.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4688.6	0.0	4688.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9377.2	0.0	9377.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	0.8
10°-20°	217.4	2.3
20°-30°	370.3	3.9
30°-40°	574.0	6.1
40°-50°	966.1	10.3
50°-60°	1757.8	18.7
60°-70°	2975.9	31.7
70°-80°	2303.5	24.6
80°-90°	138.0	1.5
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°	9377.2	100.0
0°-180°	9377.2	100.0

Coefficient of Utilization

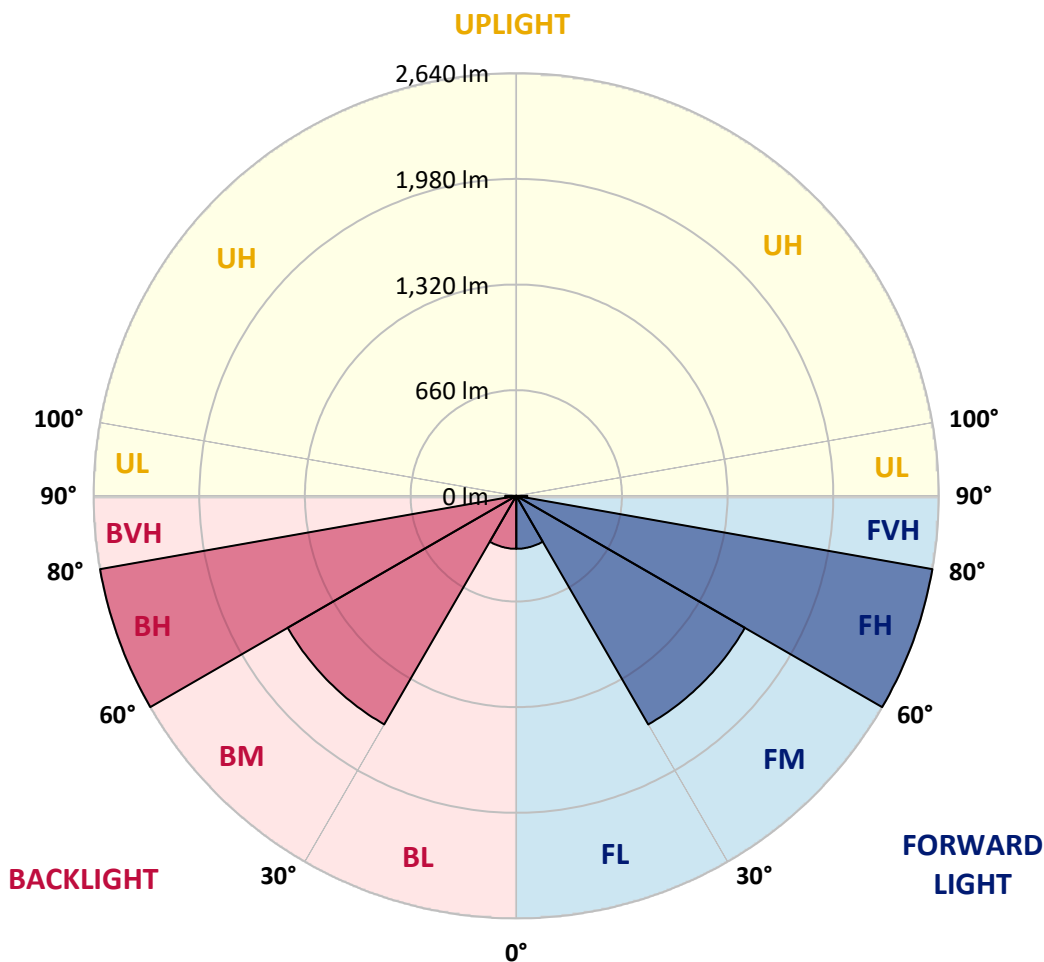


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.0	3.5			
FM (30°-60°)	1648.9	17.6			
FH (60°-80°)	2639.7	28.1			G2/5000
FVH (80°-90°)	69.0	0.7			G1/100
BL (0°-30°)	331.0	3.5	B1/500		
BM (30°-60°)	1648.9	17.6	B2/2500		
BH (60°-80°)	2639.7	28.1	B4/5000		G2/5000
BVH (80°-90°)	69.0	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	793.9	793.9	793.9	793.9	793.9	793.9	793.9	793.9	793.9	793.9	793.9
2.5°	791.9	792.4	792.4	791.5	790.9	790.9	790.4	790.4	791.9	792.4	792.9
5°	785.0	785.0	785.0	784.5	783.5	783.5	782.5	782.5	783.0	784.5	783.5
7.5°	775.6	776.6	776.6	774.5	773.1	773.1	772.6	773.1	773.6	775.1	774.5
10°	772.6	773.1	770.6	767.2	764.7	763.2	763.7	764.7	767.2	768.1	768.7
12.5°	774.5	774.5	770.2	765.1	760.7	758.7	758.3	761.7	766.2	769.1	770.2
15°	777.0	776.0	770.6	764.2	759.7	759.2	758.7	761.2	767.7	773.6	774.1
17.5°	778.5	778.1	771.1	763.2	760.7	760.7	760.2	762.2	769.1	776.6	777.0
20°	783.5	782.0	774.1	765.7	763.7	764.7	763.2	765.7	773.1	782.0	784.0
22.5°	793.4	791.9	784.0	775.6	774.5	774.5	774.1	776.6	784.5	793.9	795.4
25°	805.3	803.8	796.4	790.4	791.5	793.4	792.4	792.9	799.4	807.3	809.8
27.5°	821.1	818.6	812.2	807.3	810.2	810.2	810.2	809.8	813.7	821.1	823.6
30°	840.5	839.5	832.6	832.0	834.5	832.0	832.0	832.6	833.0	839.9	842.4
32.5°	865.7	863.7	860.3	859.3	866.2	868.2	861.2	854.8	858.2	865.2	866.7
35°	907.3	904.4	899.4	894.0	899.4	908.8	894.0	889.0	897.9	907.3	908.3
37.5°	963.8	962.3	954.3	944.5	944.0	953.9	938.5	938.0	954.9	966.2	967.7
40°	1034.6	1036.1	1026.2	1016.7	1011.8	1019.7	1007.9	1012.3	1028.6	1041.5	1040.5
42.5°	1134.2	1128.7	1113.3	1104.4	1098.9	1096.0	1093.1	1100.0	1118.3	1132.1	1143.0
45°	1250.5	1248.6	1229.2	1218.3	1206.4	1202.0	1201.0	1213.4	1235.7	1252.5	1254.0
47.5°	1382.2	1377.8	1365.4	1354.0	1349.6	1344.1	1339.2	1348.6	1370.9	1382.8	1386.2
50°	1517.9	1518.9	1518.9	1517.0	1521.4	1522.4	1509.1	1512.5	1524.9	1523.9	1522.9
52.5°	1673.0	1678.4	1704.2	1706.6	1727.9	1742.3	1718.1	1703.7	1699.2	1672.5	1674.4
55°	1855.2	1860.2	1898.8	1937.5	1994.9	2019.1	1968.1	1923.6	1891.9	1851.2	1853.3
57.5°	2082.5	2085.1	2121.7	2196.0	2287.1	2344.1	2254.4	2166.2	2101.9	2063.2	2047.9
60°	2327.2	2329.7	2383.1	2473.8	2615.5	2684.8	2573.9	2429.7	2348.5	2289.6	2293.6
62.5°	2620.9	2630.8	2678.9	2803.6	2975.5	3053.2	2906.2	2713.5	2603.6	2530.3	2533.2
65°	2935.4	2952.2	3004.7	3141.9	3300.4	3384.0	3203.8	2981.4	2844.7	2755.1	2764.5
67.5°	3139.4	3154.3	3230.0	3381.6	3579.2	3648.5	3415.8	3156.7	2985.9	2878.9	2859.1
70°	3087.4	3099.8	3200.8	3415.8	3708.4	3796.1	3466.3	3131.0	2929.9	2806.6	2798.7
72.5°	2725.4	2699.6	2847.2	3155.8	3560.9	3708.0	3307.3	2859.6	2606.5	2479.8	2464.9
75°	1806.2	1862.1	2080.0	2443.6	3012.7	3194.9	2822.9	2296.0	1977.5	1872.1	1855.7
77.5°	603.7	646.8	840.5	1385.2	2053.8	2327.7	2056.8	1501.6	1062.3	855.8	859.7
80°	160.0	158.0	204.5	380.9	887.5	1348.1	1033.1	508.6	278.4	201.5	191.1
82.5°	57.5	64.4	82.7	105.5	235.2	419.0	295.7	142.7	104.5	77.3	74.8
85°	25.3	24.7	35.6	42.1	59.0	78.2	69.4	60.4	53.0	35.2	32.7
87.5°	5.5	5.5	8.5	6.4	10.4	10.4	12.8	15.3	15.8	10.4	8.5
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)