

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: P646766

Luminaire Tested: **GALN-SA2C-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P646766
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-SA2C-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11586.1 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

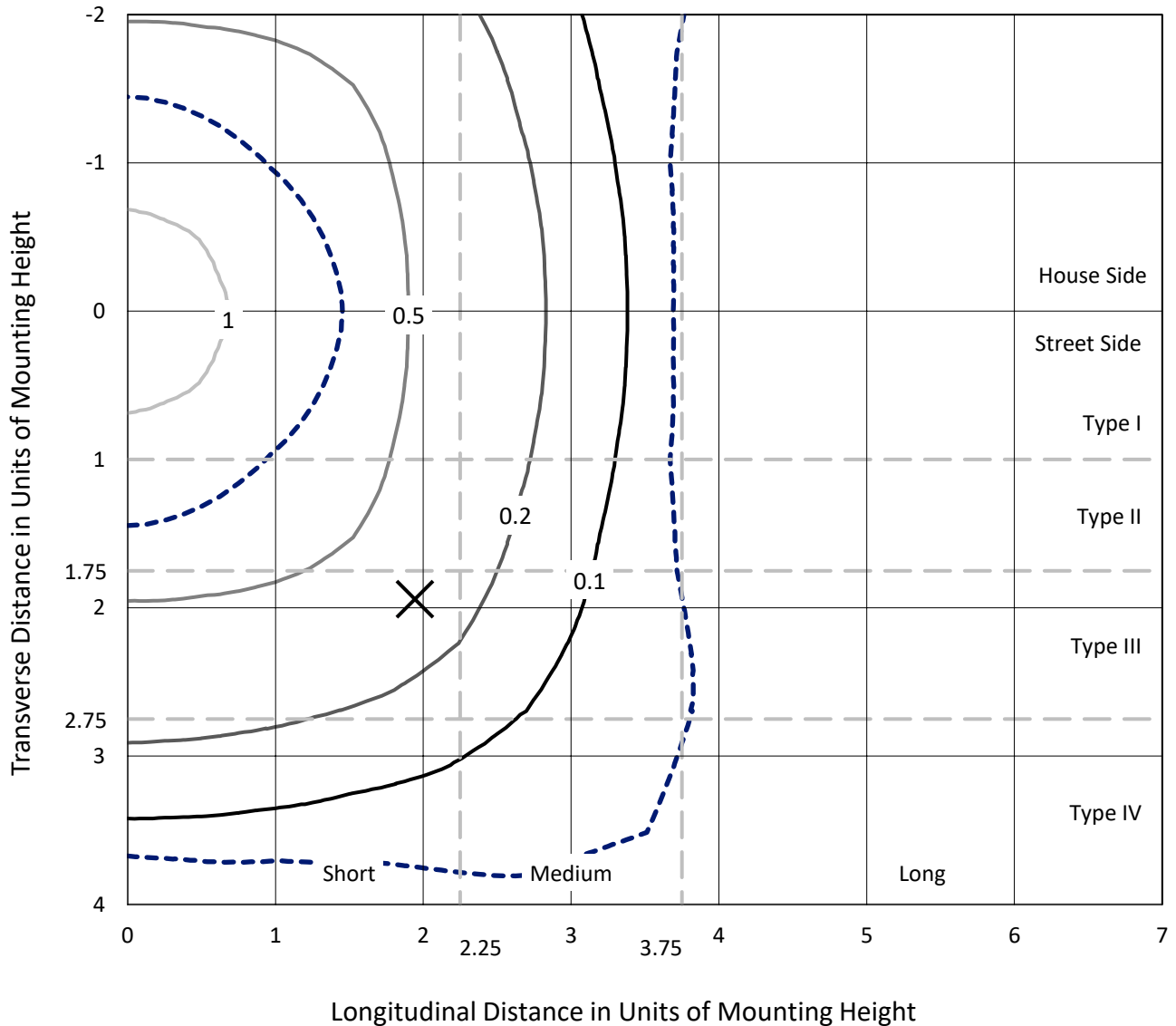
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

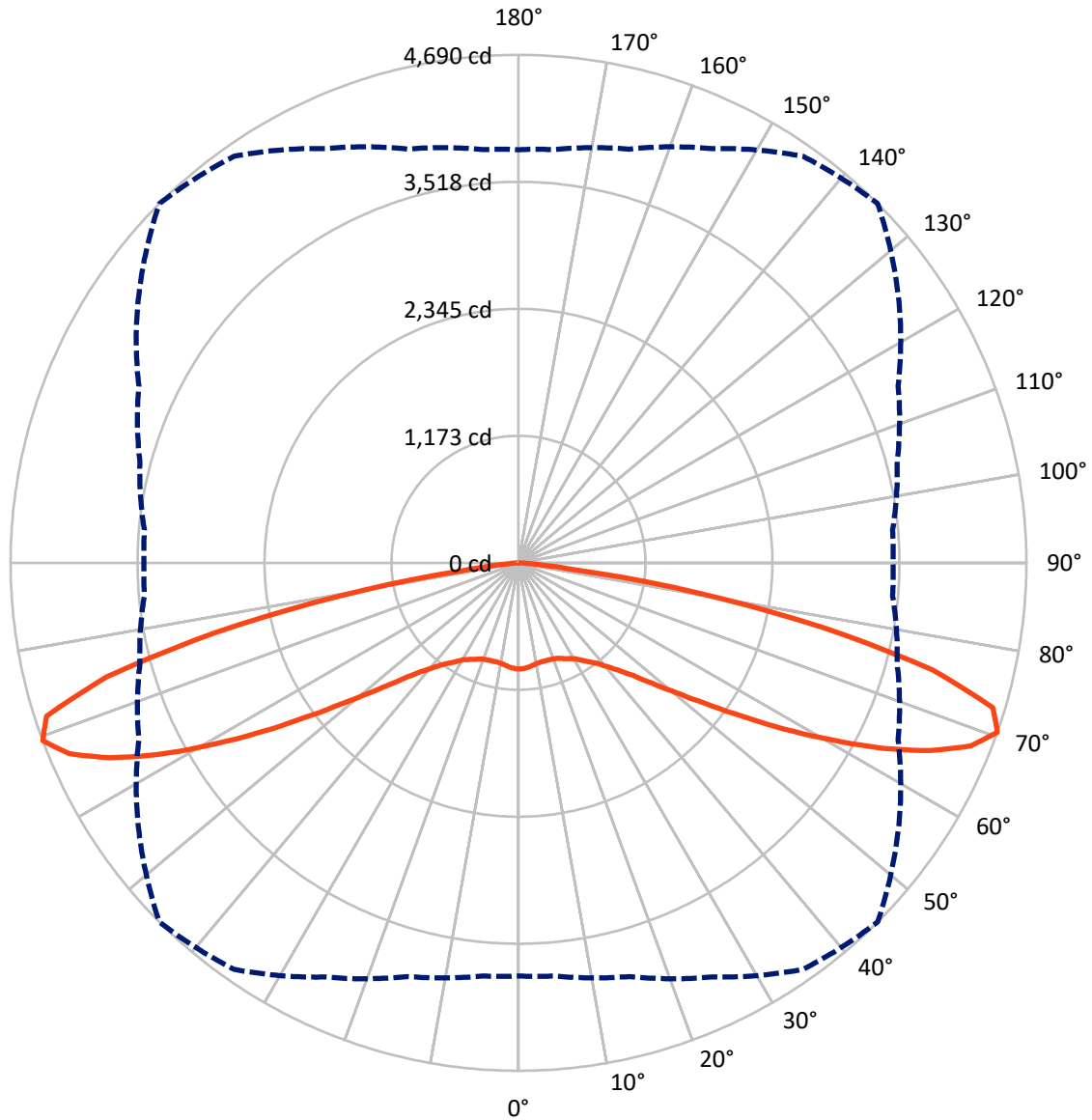
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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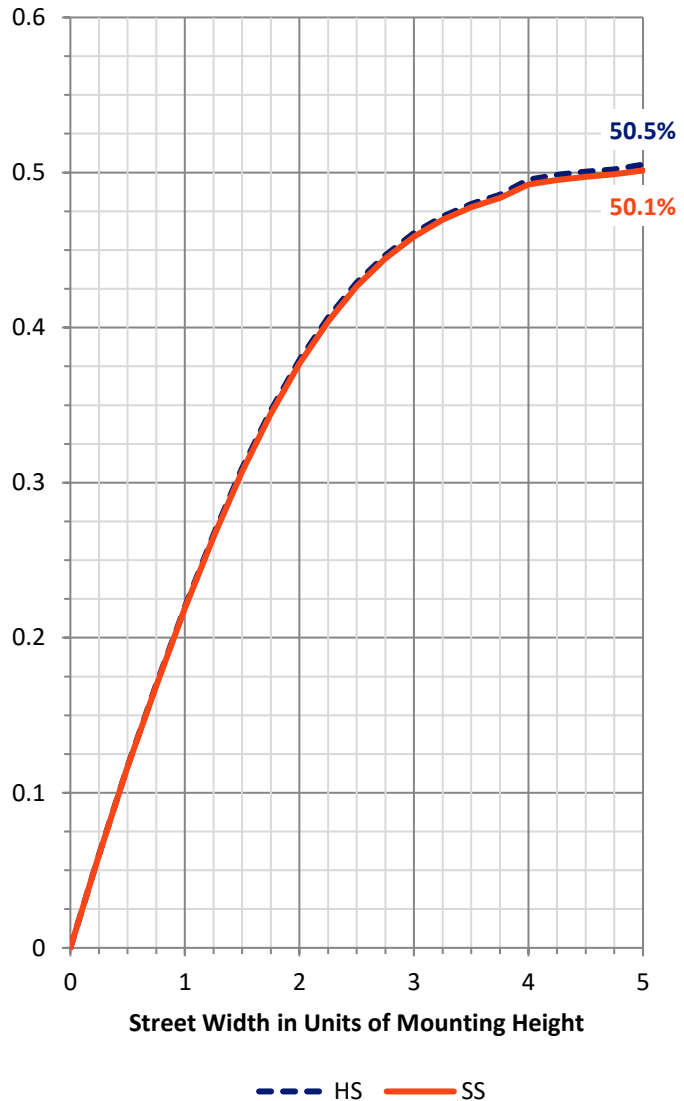
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5793.0	0.0	5793.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5793.0	0.0	5793.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11586.1	0.0	11586.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	0.8
10°-20°	268.6	2.3
20°-30°	457.6	3.9
30°-40°	709.2	6.1
40°-50°	1193.7	10.3
50°-60°	2171.9	18.7
60°-70°	3676.9	31.7
70°-80°	2846.1	24.6
80°-90°	170.5	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°	11586.1	100.0
0°-180°	11586.1	100.0

Coefficient of Utilization

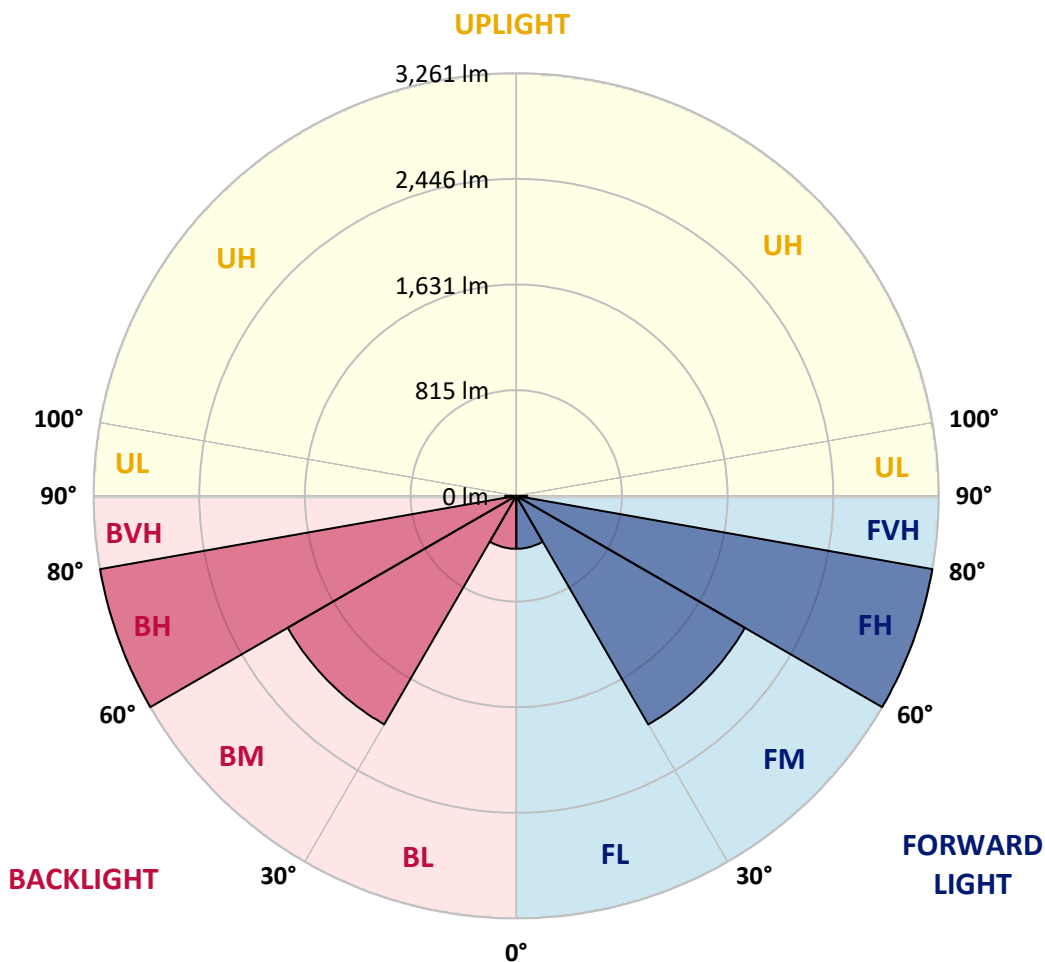


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.9	3.5			
FM (30°-60°)	2037.4	17.6			
FH (60°-80°)	3261.5	28.2			G2/5000
FVH (80°-90°)	85.3	0.7			G1/100
BL (0°-30°)	408.9	3.5	B1/500		
BM (30°-60°)	2037.4	17.6	B2/2500		
BH (60°-80°)	3261.5	28.2	B4/5000		G2/5000
BVH (80°-90°)	85.3	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°	980.9	980.9	980.9	980.9	980.9	980.9	980.9	980.9	980.9	980.9	980.9
2.5°	978.4	979.1	979.1	977.8	977.3	977.3	976.6	976.6	978.4	979.1	979.7
5°	969.9	969.9	969.9	969.3	968.0	968.0	966.8	966.8	967.5	969.3	968.0
7.5°	958.2	959.5	959.5	957.1	955.2	955.2	954.6	955.2	955.8	957.7	957.1
10°	954.6	955.2	952.1	947.8	944.8	943.0	943.6	944.8	947.8	949.1	949.7
12.5°	957.1	957.1	951.5	945.4	939.9	937.5	936.9	941.1	946.6	950.3	951.5
15°	960.1	958.9	952.1	944.2	938.7	938.0	937.5	940.5	948.4	955.8	956.4
17.5°	961.9	961.3	952.8	943.0	939.9	939.9	939.3	941.7	950.3	959.5	960.1
20°	968.0	966.2	956.4	946.0	943.6	944.8	943.0	946.0	955.2	966.2	968.6
22.5°	980.3	978.4	968.6	958.2	957.1	957.1	956.4	959.5	969.3	980.9	982.7
25°	995.0	993.2	984.0	976.6	977.8	980.3	979.1	979.7	987.6	997.4	1000.5
27.5°	1014.5	1011.5	1003.6	997.4	1001.1	1001.1	1001.1	1000.5	1005.4	1014.5	1017.6
30°	1038.4	1037.2	1028.6	1028.0	1031.1	1028.0	1028.0	1028.6	1029.3	1037.8	1040.8
32.5°	1069.7	1067.2	1062.9	1061.7	1070.2	1072.7	1064.1	1056.2	1060.4	1069.0	1070.8
35°	1121.0	1117.3	1111.2	1104.5	1111.2	1122.9	1104.5	1098.4	1109.4	1121.0	1122.3
37.5°	1190.8	1189.0	1179.2	1166.9	1166.3	1178.6	1159.5	1159.0	1179.7	1193.8	1195.7
40°	1278.3	1280.1	1267.9	1256.2	1250.1	1259.9	1245.3	1250.8	1271.0	1286.9	1285.6
42.5°	1401.3	1394.5	1375.6	1364.5	1357.9	1354.2	1350.5	1359.1	1381.7	1398.8	1412.3
45°	1545.1	1542.7	1518.8	1505.3	1490.6	1485.1	1483.9	1499.2	1526.7	1547.5	1549.4
47.5°	1707.9	1702.3	1687.1	1673.0	1667.5	1660.7	1654.6	1666.2	1693.8	1708.5	1712.7
50°	1875.5	1876.8	1876.8	1874.3	1879.8	1881.0	1864.5	1868.8	1884.1	1882.9	1881.6
52.5°	2067.0	2073.8	2105.6	2108.7	2135.0	2152.7	2122.7	2105.0	2099.5	2066.4	2068.9
55°	2292.2	2298.3	2346.1	2393.8	2464.8	2494.8	2431.8	2376.7	2337.5	2287.4	2289.8
57.5°	2573.1	2576.1	2621.5	2713.3	2825.8	2896.2	2785.4	2676.5	2597.0	2549.2	2530.3
60°	2875.4	2878.5	2944.5	3056.5	3231.5	3317.2	3180.2	3002.0	2901.7	2828.9	2833.8
62.5°	3238.3	3250.5	3309.8	3464.1	3676.4	3772.5	3590.8	3352.6	3216.9	3126.3	3130.0
65°	3626.9	3647.6	3712.5	3882.0	4077.8	4181.2	3958.5	3683.7	3514.8	3404.1	3415.7
67.5°	3878.9	3897.3	3991.0	4178.2	4422.3	4508.0	4220.4	3900.4	3689.3	3557.1	3532.6
70°	3814.7	3830.0	3954.8	4220.4	4582.0	4690.3	4282.8	3868.6	3620.1	3467.8	3458.0
72.5°	3367.4	3335.6	3517.9	3899.1	4399.7	4581.4	4086.4	3533.2	3220.5	3063.9	3045.5
75°	2231.6	2300.8	2570.0	3019.2	3722.3	3947.5	3488.0	2836.8	2443.4	2313.1	2292.9
77.5°	746.0	799.1	1038.4	1711.6	2537.6	2876.0	2541.3	1855.3	1312.5	1057.4	1062.3
80°	197.6	195.2	252.8	470.6	1096.6	1665.6	1276.4	628.4	343.9	249.1	236.2
82.5°	71.0	79.6	102.2	130.4	290.6	517.7	365.3	176.3	129.1	95.4	92.4
85°	31.2	30.6	44.1	52.0	72.8	96.7	85.7	74.6	65.5	43.5	40.4
87.5°	6.7	6.7	10.4	8.0	12.8	12.8	15.9	18.9	19.6	12.8	10.4
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)