

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: P527501

Luminaire Tested: **GALN-SA2C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8511 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

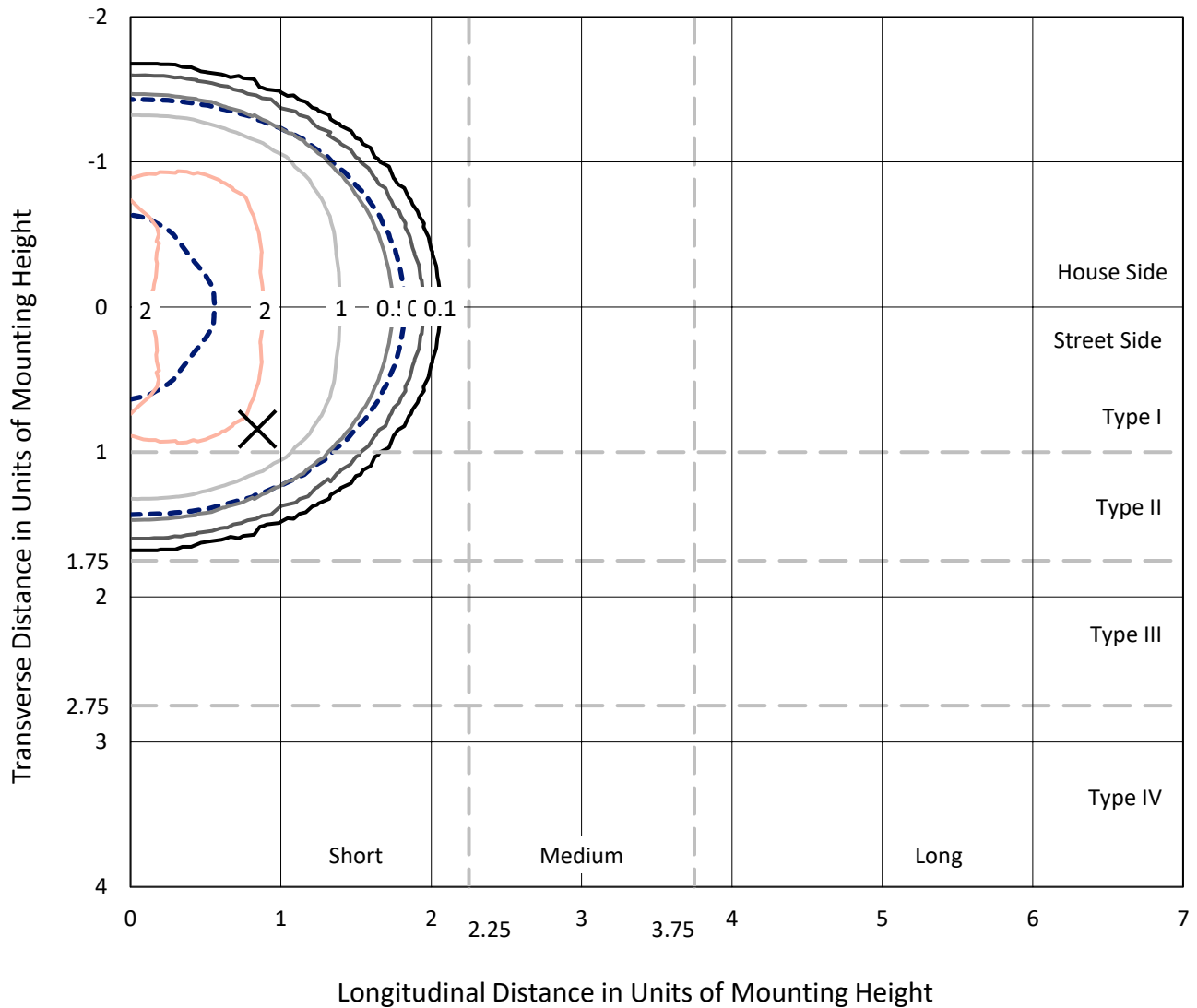
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

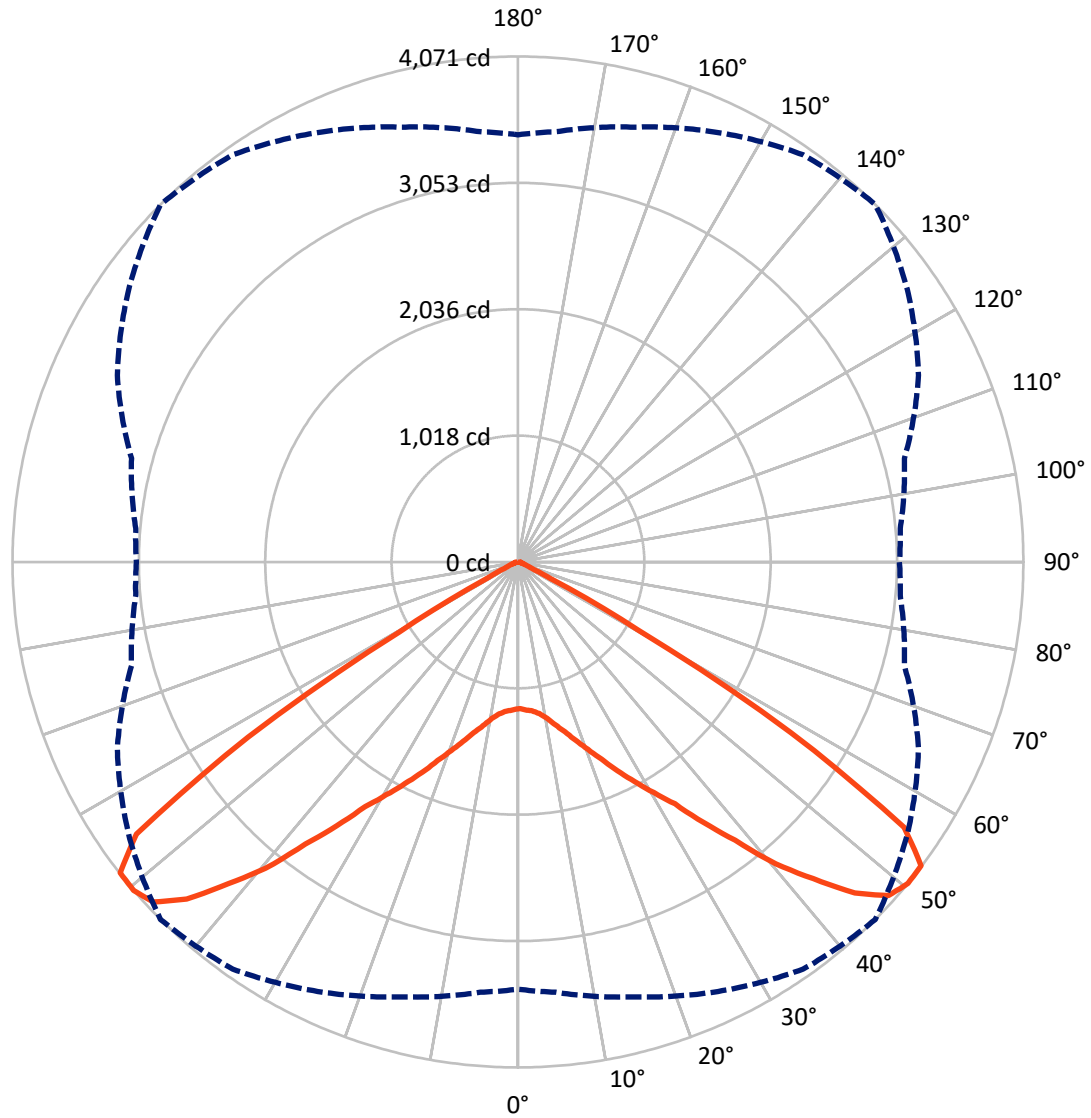
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4255.5	0.0	4255.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4255.5	0.0	4255.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8511.0	0.0	8511.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	1.4
10°-20°	404.6	4.8
20°-30°	826.3	9.7
30°-40°	1575.8	18.5
40°-50°	2655.4	31.2
50°-60°	2532.4	29.8
60°-70°	353.5	4.2
70°-80°	33.8	0.4
80°-90°	11.7	0.1
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°	8511.0	100.0
0°-180°	8511.0	100.0

Coefficient of Utilization



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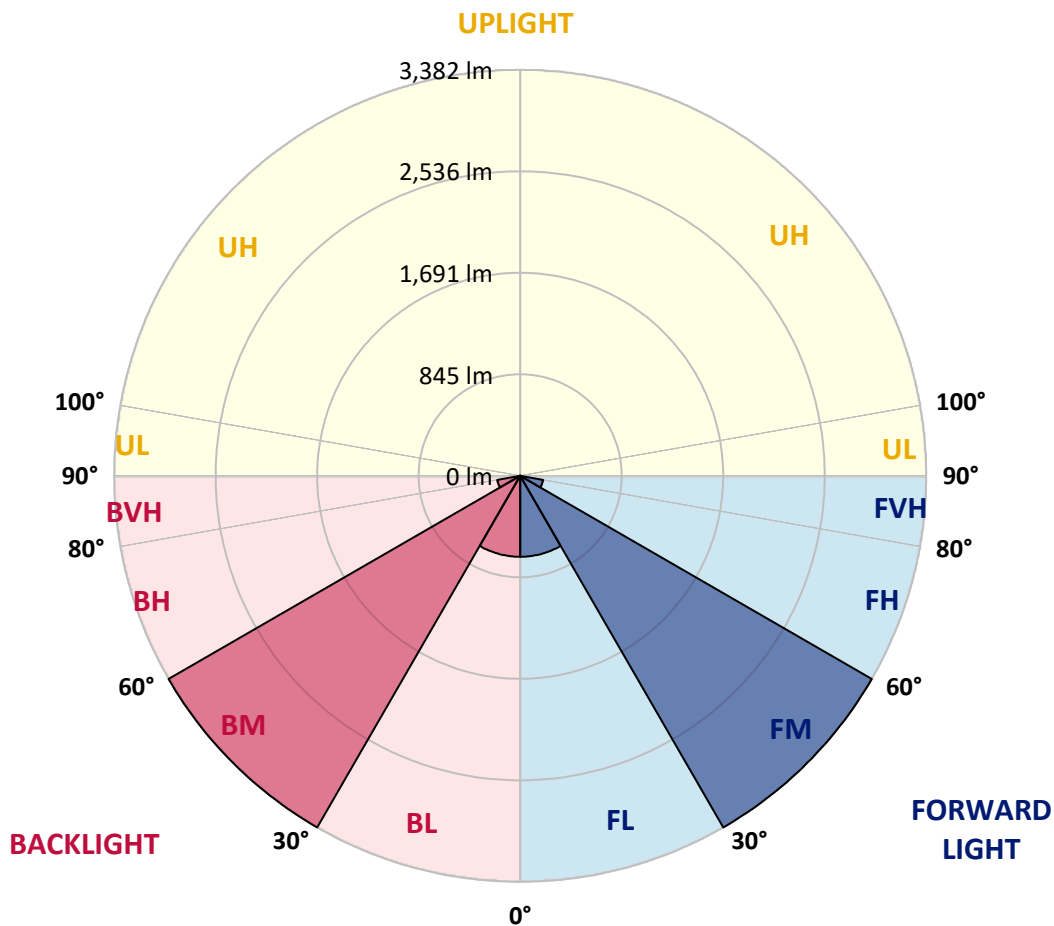
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.1	7.9			
FM (30°-60°)	3381.8	39.7			
FH (60°-80°)	193.7	2.3			G0/660
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	674.1	7.9	B2/1000		
BM (30°-60°)	3381.8	39.7	B3/5000		
BH (60°-80°)	193.7	2.3	B1/500		G0/660
BVH (80°-90°)	5.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1175.7	1175.7	1174.2	1185.7	1180.0	1192.8	1191.4	1195.7	1200.0	1198.6	1210.0
5°	1165.6	1164.2	1164.2	1177.1	1190.0	1204.3	1217.2	1225.8	1240.1	1240.1	1254.4
7.5°	1175.7	1168.5	1178.5	1184.3	1208.6	1232.9	1254.4	1271.6	1304.5	1316.0	1311.7
10°	1178.5	1187.1	1194.3	1211.5	1241.5	1278.8	1297.4	1340.3	1377.6	1403.3	1409.1
12.5°	1197.1	1210.0	1230.1	1271.6	1298.8	1347.5	1373.3	1414.8	1466.4	1495.0	1515.0
15°	1232.9	1237.2	1263.0	1316.0	1374.7	1419.1	1459.2	1489.3	1539.4	1572.3	1573.8
17.5°	1278.8	1297.4	1333.2	1383.3	1444.9	1510.7	1542.2	1575.2	1593.8	1638.2	1648.2
20°	1370.4	1373.3	1407.6	1473.5	1550.8	1611.0	1633.9	1651.1	1643.9	1689.7	1698.3
22.5°	1456.3	1459.2	1502.2	1590.9	1674.0	1725.5	1735.6	1725.5	1704.1	1737.0	1739.9
25°	1543.7	1569.5	1601.0	1689.7	1792.8	1861.6	1863.0	1835.8	1791.4	1797.1	1811.5
27.5°	1679.7	1698.3	1731.3	1812.9	1926.0	2003.3	1990.5	1957.5	1900.2	1904.5	1900.2
30°	1838.7	1855.9	1883.1	1987.6	2070.7	2155.1	2173.8	2142.3	2056.3	2037.7	2059.2
32.5°	2030.6	2054.9	2105.0	2201.0	2271.1	2322.7	2335.6	2324.1	2243.9	2236.8	2251.1
35°	2264.0	2296.9	2342.7	2427.2	2484.5	2577.6	2577.6	2538.9	2465.9	2474.5	2473.0
37.5°	2510.3	2559.0	2630.6	2716.5	2793.8	2843.9	2828.2	2795.2	2722.2	2703.6	2722.2
40°	2819.6	2843.9	2934.1	3045.8	3140.3	3197.6	3130.3	3058.7	2884.0	2911.2	2961.3
42.5°	3101.7	3140.3	3209.1	3332.2	3439.6	3486.9	3406.7	3264.9	3054.4	3032.9	3070.2
45°	3342.3	3383.8	3474.0	3650.1	3763.3	3804.8	3627.2	3398.1	3157.5	3103.1	3118.9
47.5°	3502.6	3524.1	3650.1	3817.7	3920.8	4015.3	3760.4	3489.8	3206.2	3103.1	3097.4
50°	3441.1	3478.3	3625.8	3816.2	4003.8	4071.1	3827.7	3559.9	3222.0	3090.2	3073.0
52.5°	3055.9	3120.3	3285.0	3541.3	3824.8	4065.4	3920.8	3537.0	3216.2	3103.1	3128.9
55°	2126.5	2127.9	2328.4	2706.5	3207.6	3774.7	3784.7	3562.8	3253.5	3183.3	3184.7
57.5°	854.9	897.9	1051.1	1430.6	1893.1	2591.9	3081.6	3305.0	3257.8	3240.6	3285.0
60°	216.2	217.7	264.9	403.8	665.9	1111.2	1613.8	2183.8	2514.6	2627.7	2643.4
62.5°	110.3	111.7	123.2	143.2	181.9	297.9	529.8	840.6	1195.7	1376.1	1423.4
65°	90.2	90.2	97.4	107.4	108.8	114.6	137.5	196.2	285.0	323.6	327.9
67.5°	68.7	68.7	74.5	80.2	83.1	81.6	78.8	81.6	98.8	94.5	91.6
70°	43.0	44.4	47.3	53.0	55.8	57.3	58.7	61.6	70.2	73.0	70.2
72.5°	25.8	25.8	27.2	31.5	35.8	38.7	43.0	45.8	50.1	57.3	55.8
75°	11.5	11.5	14.3	18.6	22.9	27.2	31.5	35.8	38.7	43.0	44.4
77.5°	2.9	4.3	7.2	12.9	17.2	22.9	28.6	32.9	35.8	35.8	34.4
80°	1.4	1.4	5.7	10.0	18.6	24.3	31.5	34.4	38.7	35.8	31.5
82.5°	1.4	1.4	5.7	10.0	17.2	24.3	32.9	37.2	40.1	35.8	30.1
85°	0.0	1.4	4.3	8.6	14.3	17.2	14.3	10.0	5.7	5.7	4.3
87.5°	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)