

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: P450714

Luminaire Tested: **GALN-SA1C-740-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450714
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-SA1C-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7445 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

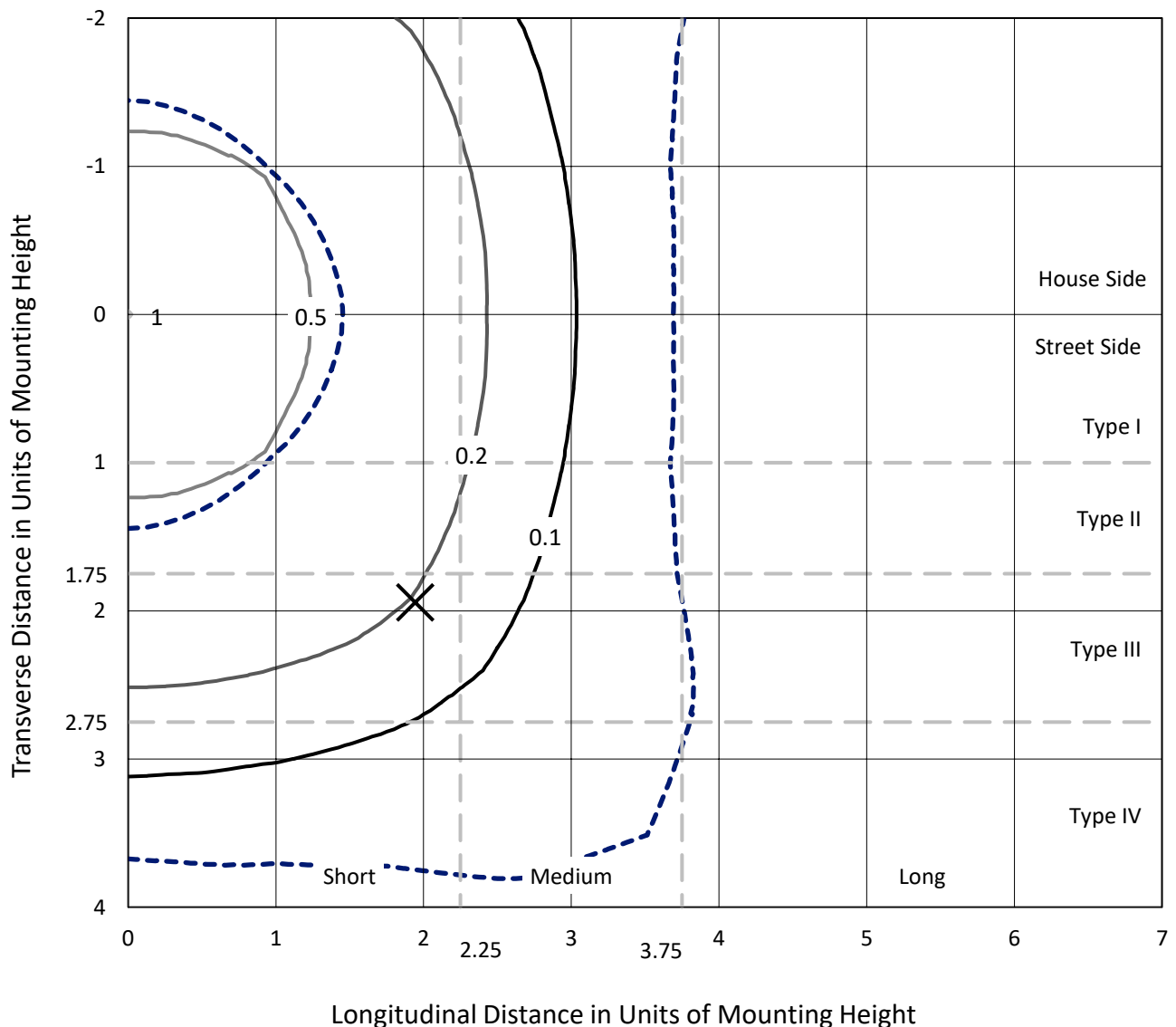
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

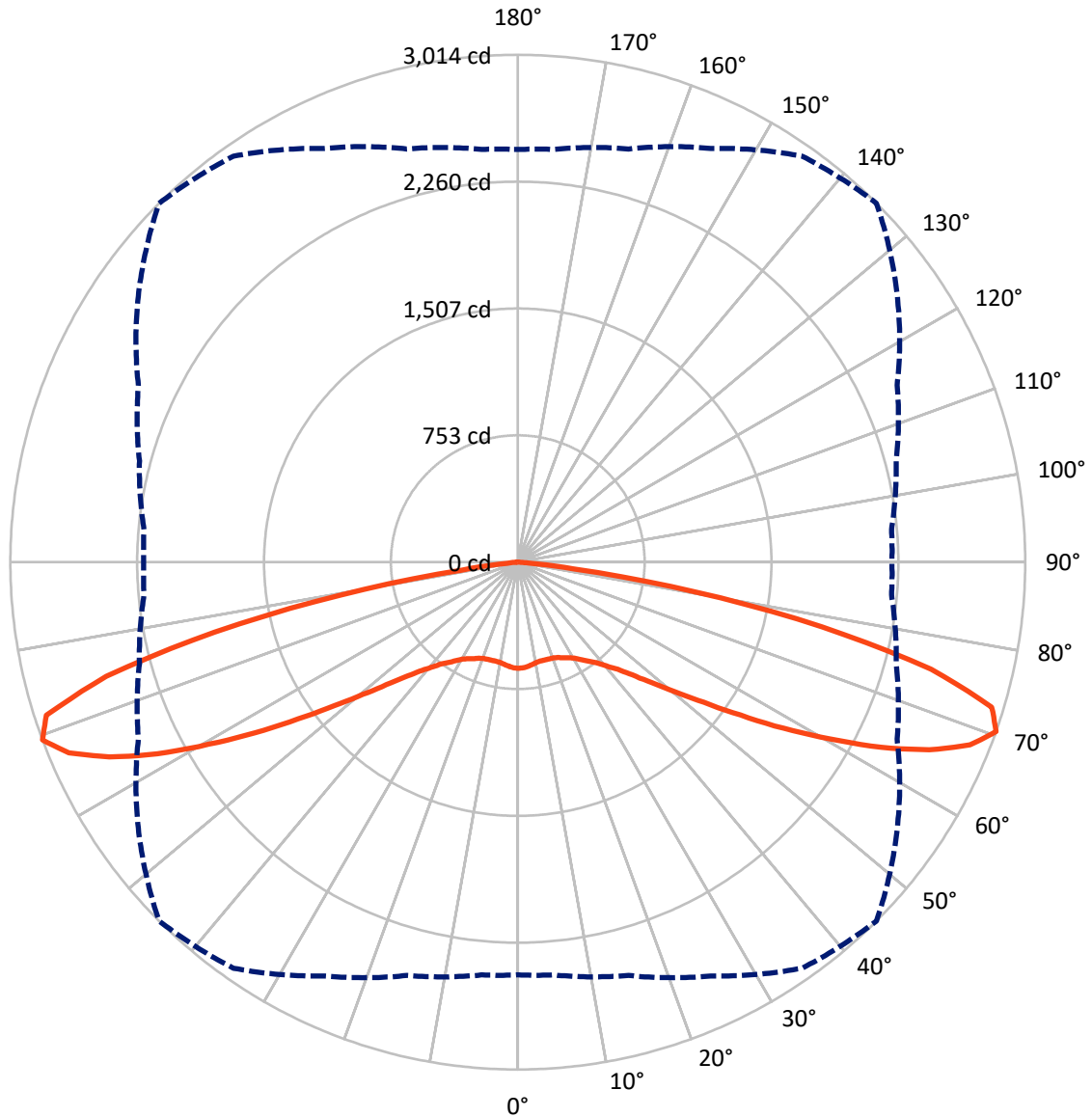
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	3722.5	0.0	3722.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3722.5	0.0	3722.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7445.0	0.0	7445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	0.8
10°-20°	172.6	2.3
20°-30°	294.0	3.9
30°-40°	455.7	6.1
40°-50°	767.0	10.3
50°-60°	1395.6	18.7
60°-70°	2362.7	31.7
70°-80°	1828.8	24.6
80°-90°	109.6	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°	7445.0	100.0
0°-180°	7445.0	100.0

Coefficient of Utilization



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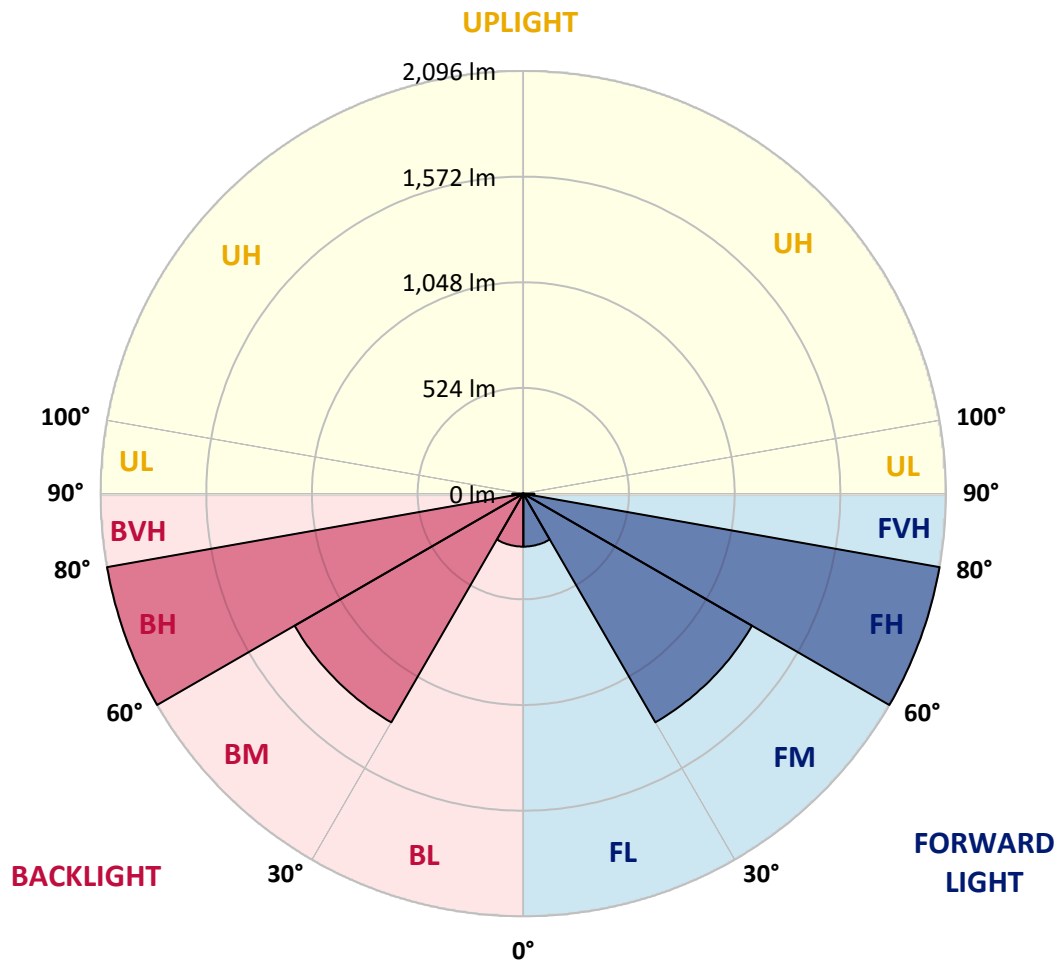
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.8	3.5			
FM (30°-60°)	1309.2	17.6			
FH (60°-80°)	2095.8	28.1			G2/5000
FVH (80°-90°)	54.8	0.7			G1/100
BL (0°-30°)	262.8	3.5	B1/500		
BM (30°-60°)	1309.2	17.6	B2/2500		
BH (60°-80°)	2095.8	28.1	B3/2500		G2/5000
BVH (80°-90°)	54.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3
2.5°	628.7	629.1	629.1	628.3	628.0	628.0	627.6	627.6	628.7	629.1	629.5
5°	623.2	623.2	623.2	622.8	622.1	622.1	621.3	621.3	621.7	622.8	622.1
7.5°	615.8	616.5	616.5	615.0	613.8	613.8	613.4	613.8	614.2	615.4	615.0
10°	613.4	613.8	611.8	609.1	607.1	605.9	606.3	607.1	609.1	609.9	610.3
12.5°	615.0	615.0	611.4	607.5	604.0	602.4	602.0	604.8	608.3	610.7	611.4
15°	616.9	616.2	611.8	606.7	603.2	602.8	602.4	604.4	609.5	614.2	614.6
17.5°	618.1	617.7	612.2	605.9	604.0	604.0	603.6	605.1	610.7	616.5	616.9
20°	622.1	620.9	614.6	607.9	606.3	607.1	605.9	607.9	613.8	620.9	622.4
22.5°	629.9	628.7	622.4	615.8	615.0	615.0	614.6	616.5	622.8	630.3	631.5
25°	639.4	638.2	632.3	627.6	628.3	629.9	629.1	629.5	634.6	640.9	642.9
27.5°	651.9	650.0	644.9	640.9	643.3	643.3	643.3	642.9	646.0	651.9	653.9
30°	667.3	666.5	661.0	660.6	662.6	660.6	660.6	661.0	661.4	666.9	668.8
32.5°	687.3	685.8	683.0	682.2	687.7	689.3	683.8	678.7	681.4	686.9	688.1
35°	720.4	718.0	714.1	709.7	714.1	721.5	709.7	705.8	712.9	720.4	721.1
37.5°	765.2	764.0	757.7	749.8	749.5	757.3	745.1	744.7	758.1	767.1	768.3
40°	821.4	822.6	814.7	807.3	803.3	809.6	800.2	803.7	816.7	826.9	826.1
42.5°	900.4	896.1	883.9	876.9	872.5	870.2	867.8	873.3	887.9	898.9	907.5
45°	992.8	991.3	975.9	967.3	957.9	954.3	953.5	963.4	981.1	994.4	995.6
47.5°	1097.4	1093.9	1084.1	1075.0	1071.5	1067.2	1063.2	1070.7	1088.4	1097.8	1100.6
50°	1205.2	1206.0	1206.0	1204.4	1207.9	1208.7	1198.1	1200.9	1210.7	1209.9	1209.1
52.5°	1328.3	1332.6	1353.0	1355.0	1371.9	1383.3	1364.0	1352.6	1349.1	1327.9	1329.4
55°	1473.0	1476.9	1507.6	1538.2	1583.8	1603.1	1562.6	1527.2	1502.0	1469.8	1471.4
57.5°	1653.4	1655.4	1684.5	1743.5	1815.8	1861.0	1789.9	1719.9	1668.8	1638.1	1625.9
60°	1847.7	1849.6	1892.1	1964.1	2076.5	2131.6	2043.5	1929.1	1864.6	1817.8	1820.9
62.5°	2080.9	2088.7	2126.9	2225.9	2362.4	2424.1	2307.3	2154.4	2067.1	2008.9	2011.3
65°	2330.5	2343.9	2385.6	2494.5	2620.3	2686.8	2543.7	2367.1	2258.6	2187.4	2194.9
67.5°	2492.5	2504.3	2564.5	2684.8	2841.7	2896.8	2711.9	2506.3	2370.6	2285.7	2270.0
70°	2451.3	2461.1	2541.3	2711.9	2944.3	3013.9	2752.1	2485.9	2326.2	2228.3	2222.0
72.5°	2163.8	2143.4	2260.5	2505.5	2827.2	2943.9	2625.8	2270.4	2069.4	1968.8	1957.0
75°	1434.0	1478.5	1651.5	1940.1	2391.9	2536.6	2241.3	1822.9	1570.1	1486.3	1473.3
77.5°	479.3	513.5	667.3	1099.8	1630.6	1848.1	1633.0	1192.2	843.4	679.5	682.6
80°	127.0	125.4	162.4	302.4	704.6	1070.3	820.2	403.8	221.0	160.0	151.8
82.5°	45.6	51.1	65.7	83.8	186.8	332.7	234.7	113.2	83.0	61.3	59.4
85°	20.1	19.7	28.3	33.4	46.8	62.1	55.0	48.0	42.1	27.9	26.0
87.5°	4.3	4.3	6.7	5.1	8.3	8.3	10.2	12.2	12.6	8.3	6.7
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)