

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: P458571

Luminaire Tested: **GALN-SA1C-735-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6950 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

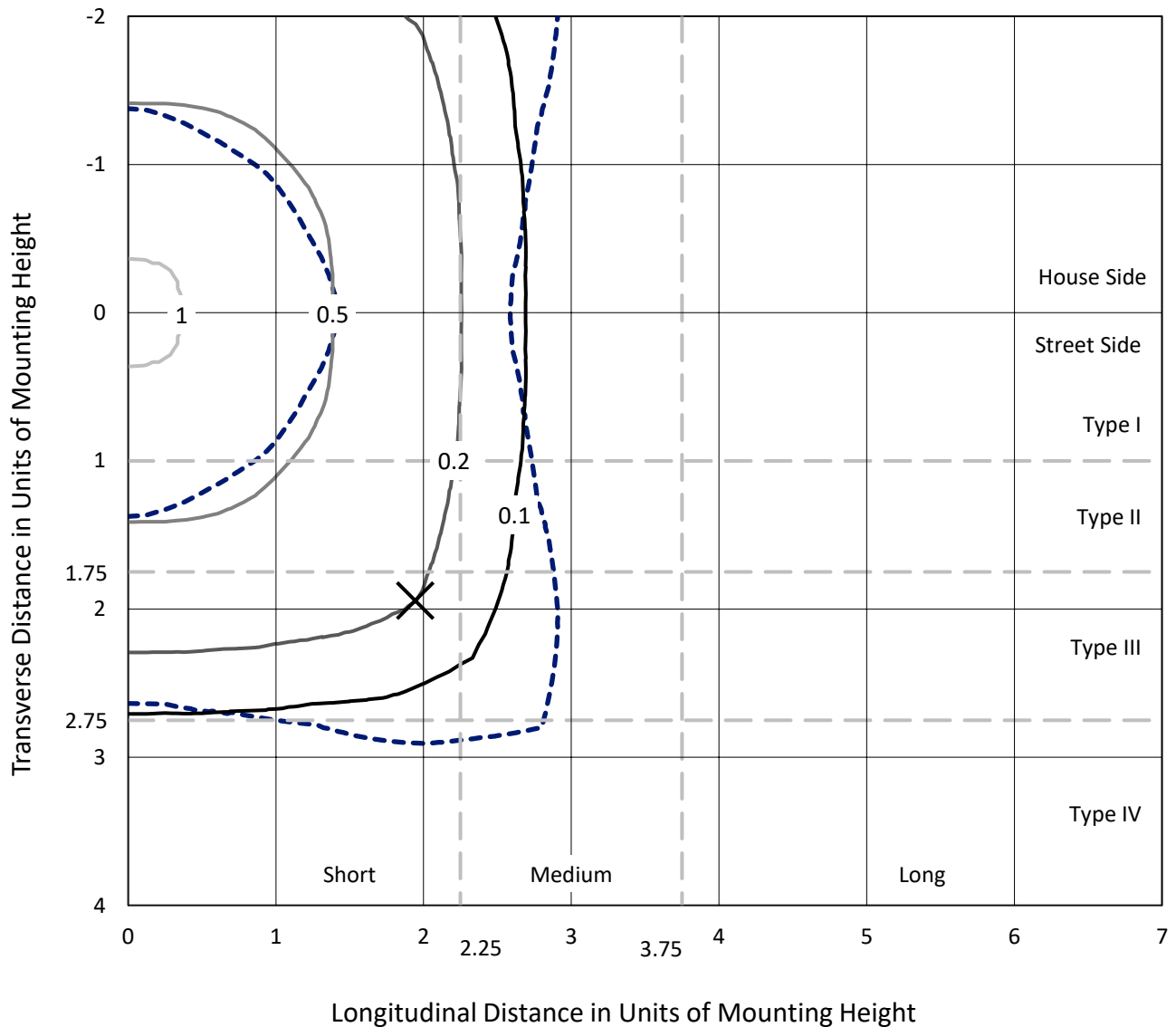
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

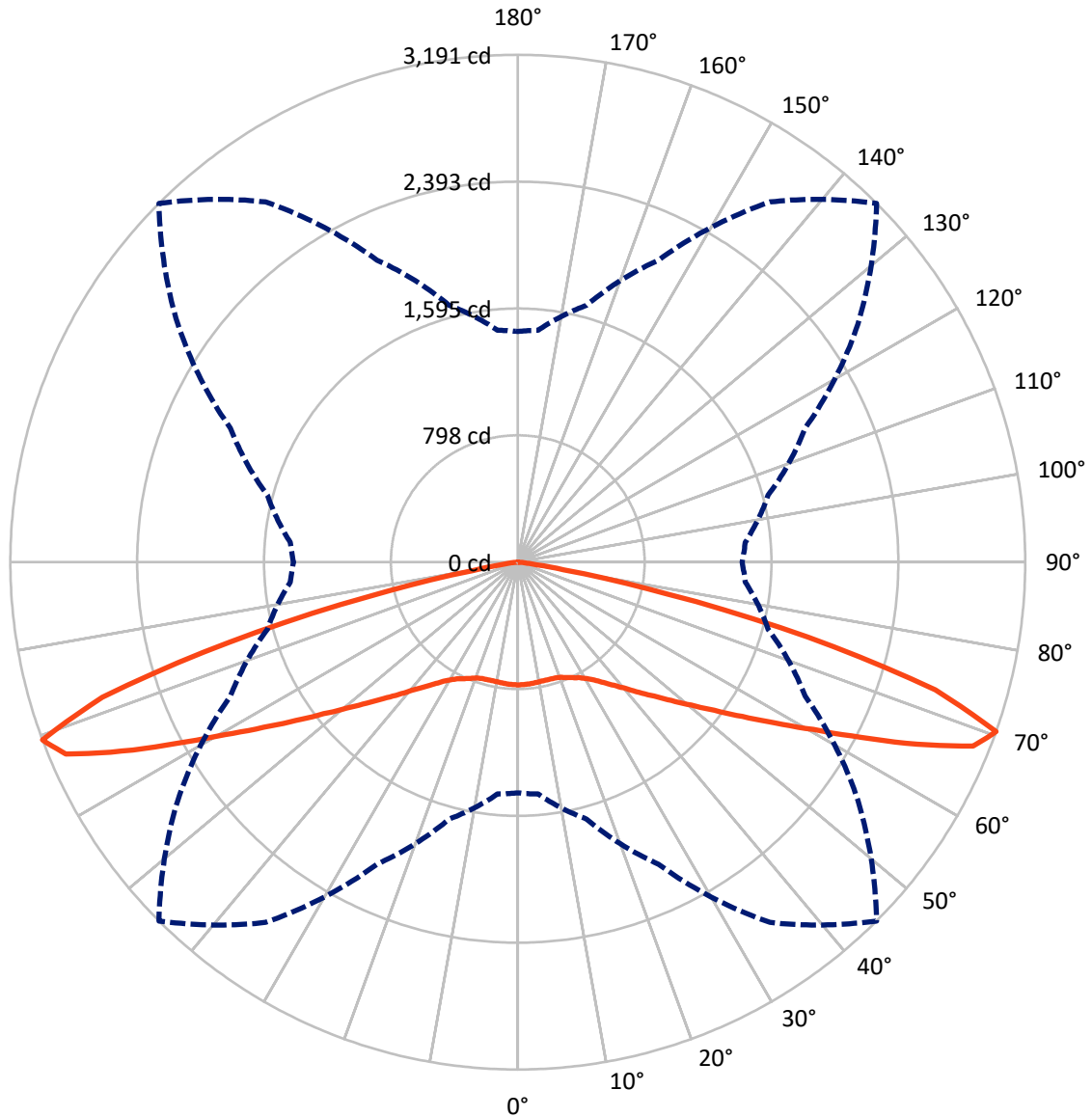
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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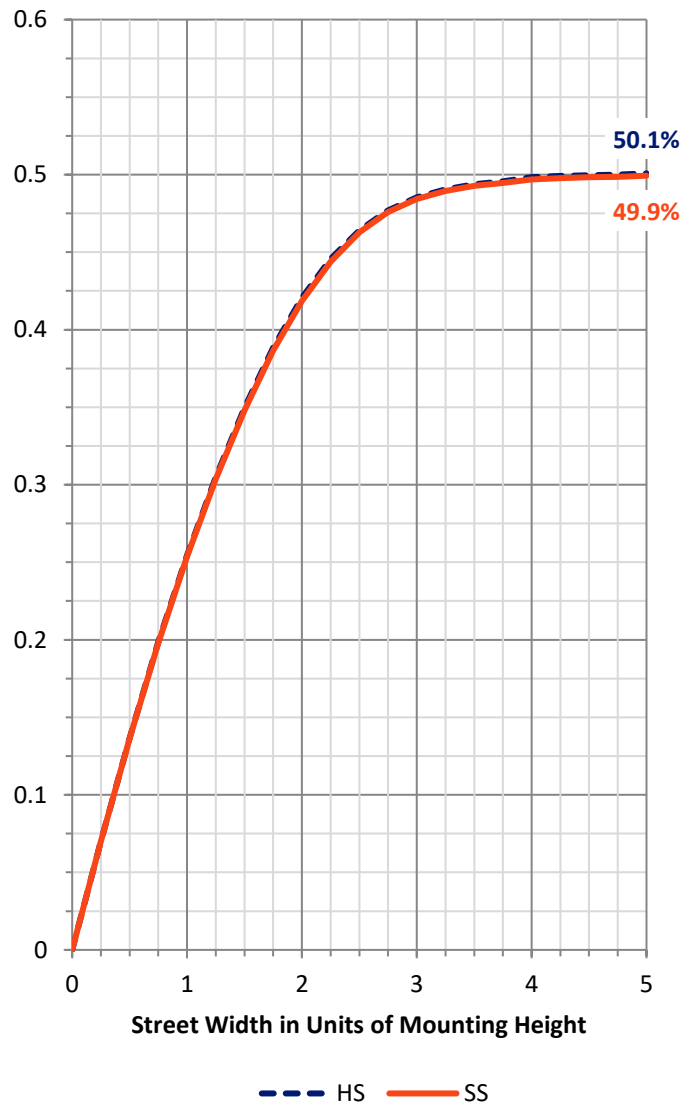
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3475.0	0.0	3475.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3475.0	0.0	3475.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6950.0	0.0	6950.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	1.1
10°-20°	214.8	3.1
20°-30°	367.3	5.3
30°-40°	583.0	8.4
40°-50°	940.5	13.5
50°-60°	1530.2	22.0
60°-70°	2218.3	31.9
70°-80°	983.9	14.2
80°-90°	38.8	0.6
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°	6950.0	100.0
0°-180°	6950.0	100.0



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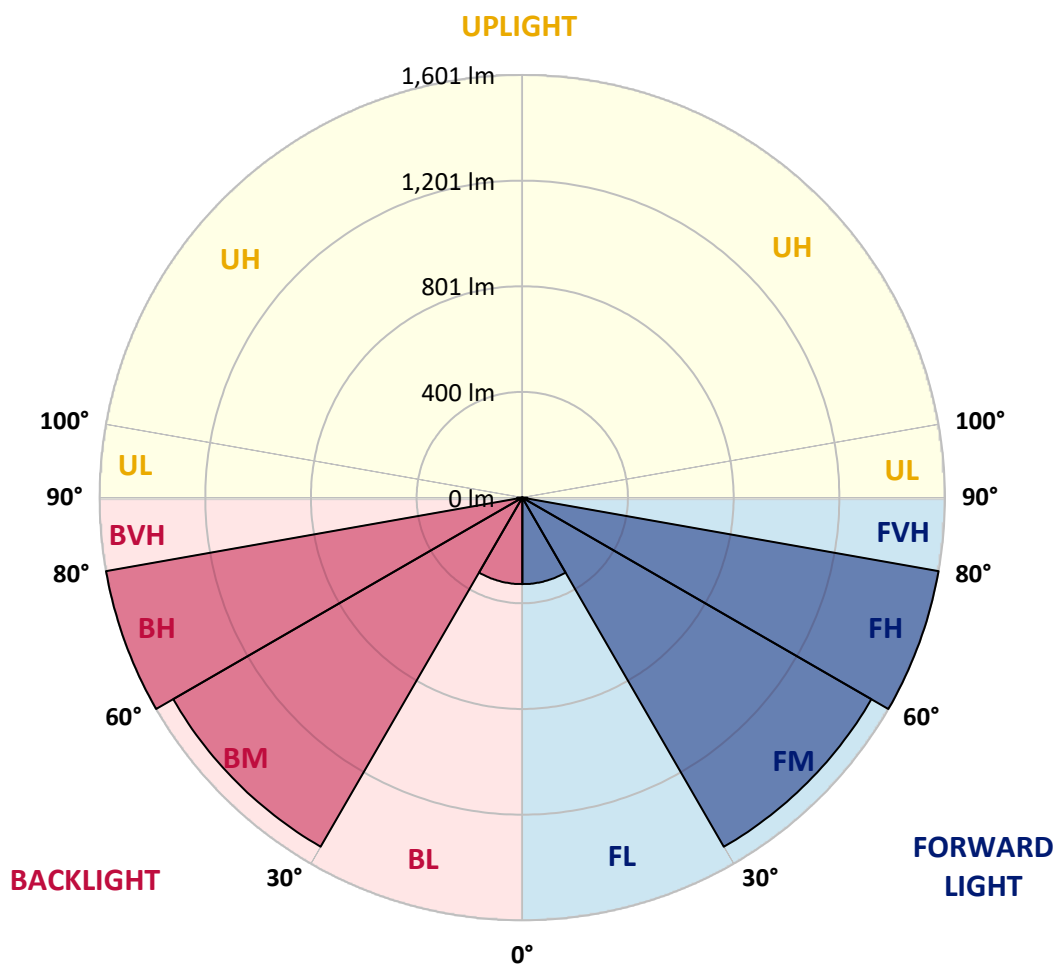
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.6	4.7			
FM (30°-60°)	1526.9	22.0			
FH (60°-80°)	1601.1	23.0			G1/1800
FVH (80°-90°)	19.4	0.3			G1/100
BL (0°-30°)	327.6	4.7	B1/500		
BM (30°-60°)	1526.9	22.0	B2/2500		
BH (60°-80°)	1601.1	23.0	B3/2500		G1/1800
BVH (80°-90°)	19.4	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°	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8
2.5°	771.8	772.5	771.4	770.7	770.3	770.3	769.9	770.3	772.5	772.9	771.8
5°	769.6	770.3	769.9	769.2	768.8	768.8	768.5	768.1	769.9	770.7	770.3
7.5°	766.6	767.0	766.6	766.3	766.6	766.3	765.2	764.4	765.9	765.9	765.5
10°	761.5	762.2	761.9	762.2	763.0	763.0	761.5	760.0	760.4	759.7	759.7
12.5°	755.3	756.4	756.7	758.2	760.0	762.2	758.9	755.6	754.9	754.5	754.2
15°	751.3	752.4	753.8	755.3	758.6	763.3	758.6	753.5	752.0	750.5	749.8
17.5°	750.2	751.6	753.8	756.0	760.4	765.2	761.1	756.0	752.4	750.2	749.4
20°	753.1	754.2	757.5	761.5	767.7	772.5	768.5	763.0	757.5	754.2	753.1
22.5°	758.9	760.8	764.8	772.1	780.9	787.9	782.4	773.2	764.4	760.0	758.6
25°	771.8	773.2	778.0	787.9	798.1	804.7	798.9	788.2	776.2	770.3	768.5
27.5°	791.2	793.4	798.5	810.2	818.6	822.3	818.3	811.0	802.2	795.9	794.5
30°	818.6	821.2	828.9	841.4	846.9	849.1	847.2	842.5	836.2	829.6	828.2
32.5°	855.6	857.1	865.9	877.6	882.7	883.5	881.3	879.1	868.8	857.8	857.1
35°	897.0	899.6	910.2	924.1	928.9	929.3	924.9	921.6	909.5	900.7	900.7
37.5°	952.0	953.1	963.3	979.1	984.2	982.7	980.5	977.6	964.8	953.4	953.8
40°	1016.4	1018.6	1027.4	1045.7	1045.7	1043.9	1045.4	1043.2	1030.4	1019.4	1019.7
42.5°	1093.0	1094.1	1104.7	1124.1	1122.7	1119.0	1120.5	1117.5	1109.5	1097.0	1092.6
45°	1174.7	1179.1	1197.4	1216.1	1213.1	1201.4	1207.3	1206.5	1199.2	1180.5	1181.6
47.5°	1273.2	1280.5	1298.1	1320.5	1317.2	1298.9	1305.4	1309.8	1299.6	1279.1	1275.4
50°	1384.2	1389.0	1415.0	1435.8	1432.9	1413.5	1428.5	1429.2	1403.6	1374.7	1374.7
52.5°	1502.5	1507.3	1542.4	1575.0	1576.9	1548.7	1560.7	1560.0	1518.3	1480.2	1472.8
55°	1635.1	1637.3	1682.7	1730.7	1741.0	1713.5	1715.0	1700.3	1646.1	1601.8	1597.7
57.5°	1772.1	1780.2	1830.3	1892.6	1923.0	1906.2	1898.5	1859.3	1806.9	1756.0	1753.4
60°	1923.7	1924.1	1989.3	2062.9	2124.5	2135.8	2104.3	2051.9	1984.2	1916.8	1913.8
62.5°	2028.9	2044.6	2127.0	2251.6	2361.8	2425.5	2342.4	2232.5	2099.2	1990.4	1979.4
65°	2050.5	2061.1	2186.7	2397.7	2623.0	2760.3	2568.0	2334.3	2106.9	1961.8	1954.5
67.5°	1875.8	1887.1	2056.3	2380.1	2806.1	3087.8	2714.5	2285.3	1976.5	1797.0	1782.7
70°	1450.9	1463.7	1672.8	2095.2	2765.5	3190.7	2610.2	1993.3	1630.0	1436.2	1410.2
72.5°	771.4	818.6	997.4	1438.0	2244.6	2747.1	2140.2	1454.5	1051.2	859.3	824.9
75°	281.7	287.5	387.2	637.7	1305.8	1883.8	1356.0	693.7	398.9	308.0	292.3
77.5°	116.5	116.1	127.5	192.7	474.3	964.8	529.3	203.7	127.1	117.6	116.1
80°	68.9	68.9	75.8	80.2	124.9	291.2	139.6	90.8	76.2	69.6	70.7
82.5°	30.8	32.6	48.0	50.5	60.4	79.9	67.4	57.9	49.8	34.4	31.1
85°	16.8	14.7	25.3	26.4	28.9	29.7	31.9	31.5	28.9	16.8	17.2
87.5°	3.3	4.0	7.3	5.5	6.2	5.5	7.3	10.3	10.6	5.9	4.8
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)