

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: P450659

Luminaire Tested: **GALN-SA1C-727-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1C-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6138 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

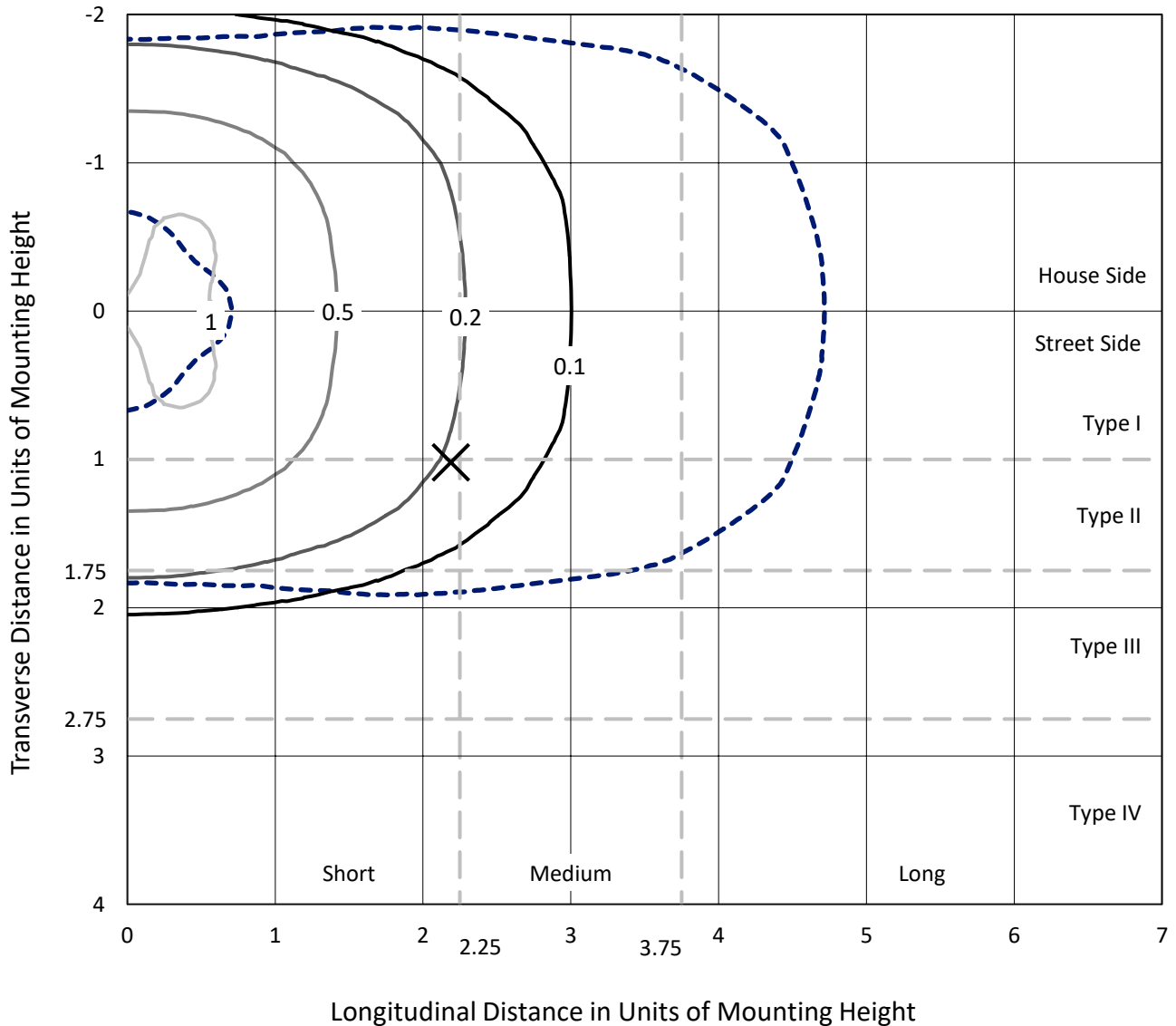
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

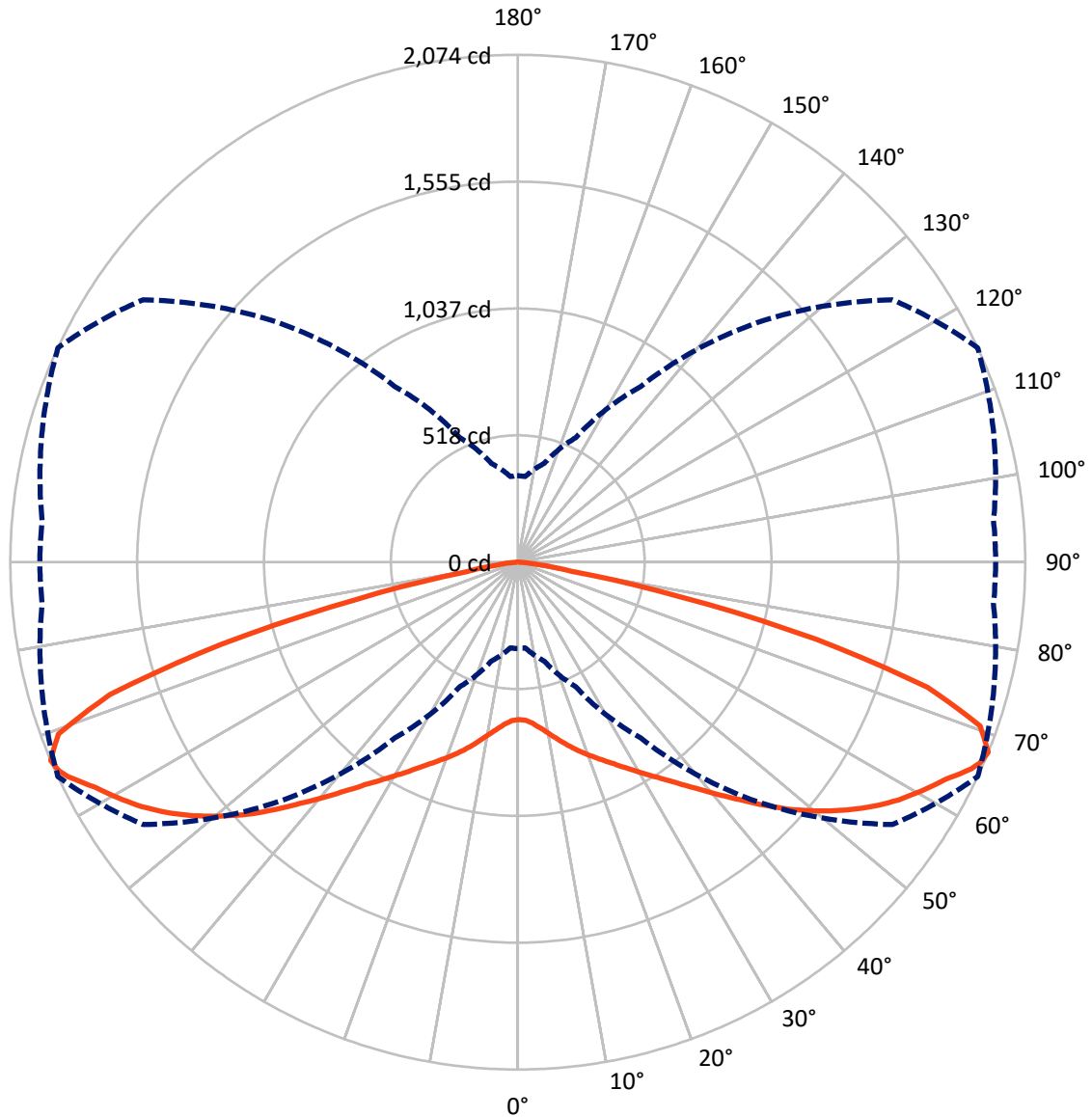
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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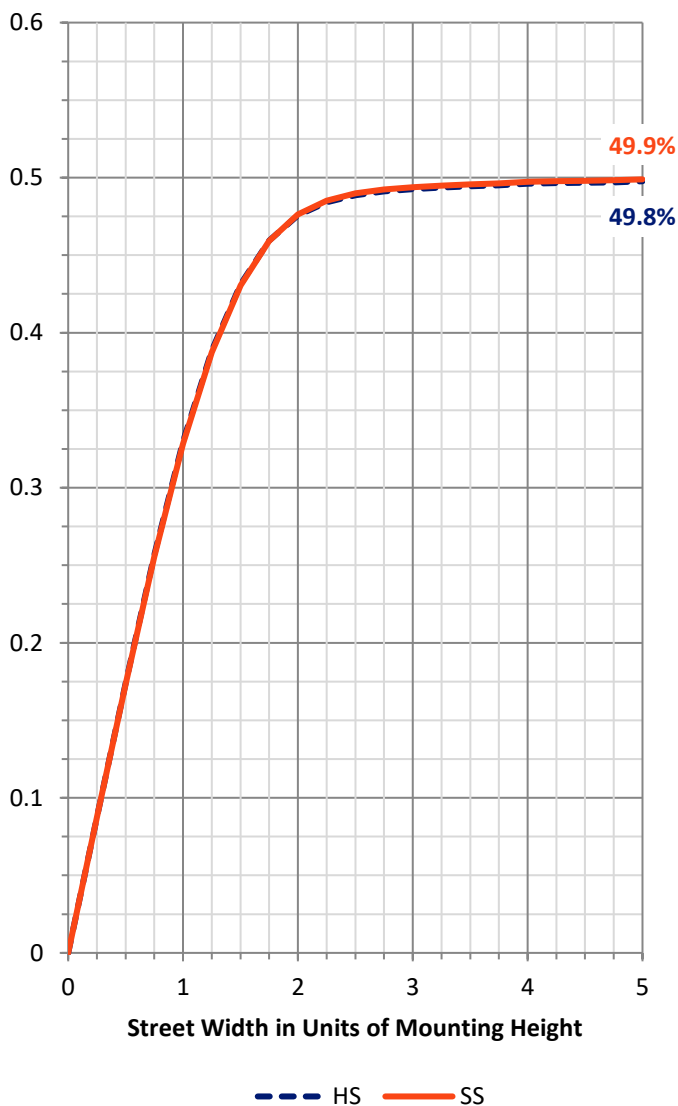
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3069.0	0.0	3069.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3069.0	0.0	3069.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6138.0	0.0	6138.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.0
10°-20°	212.2	3.5
20°-30°	415.1	6.8
30°-40°	706.1	11.5
40°-50°	1117.5	18.2
50°-60°	1481.8	24.1
60°-70°	1397.7	22.8
70°-80°	691.0	11.3
80°-90°	53.3	0.9
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°	6138.0	100.0
0°-180°	6138.0	100.0

Coefficient of Utilization



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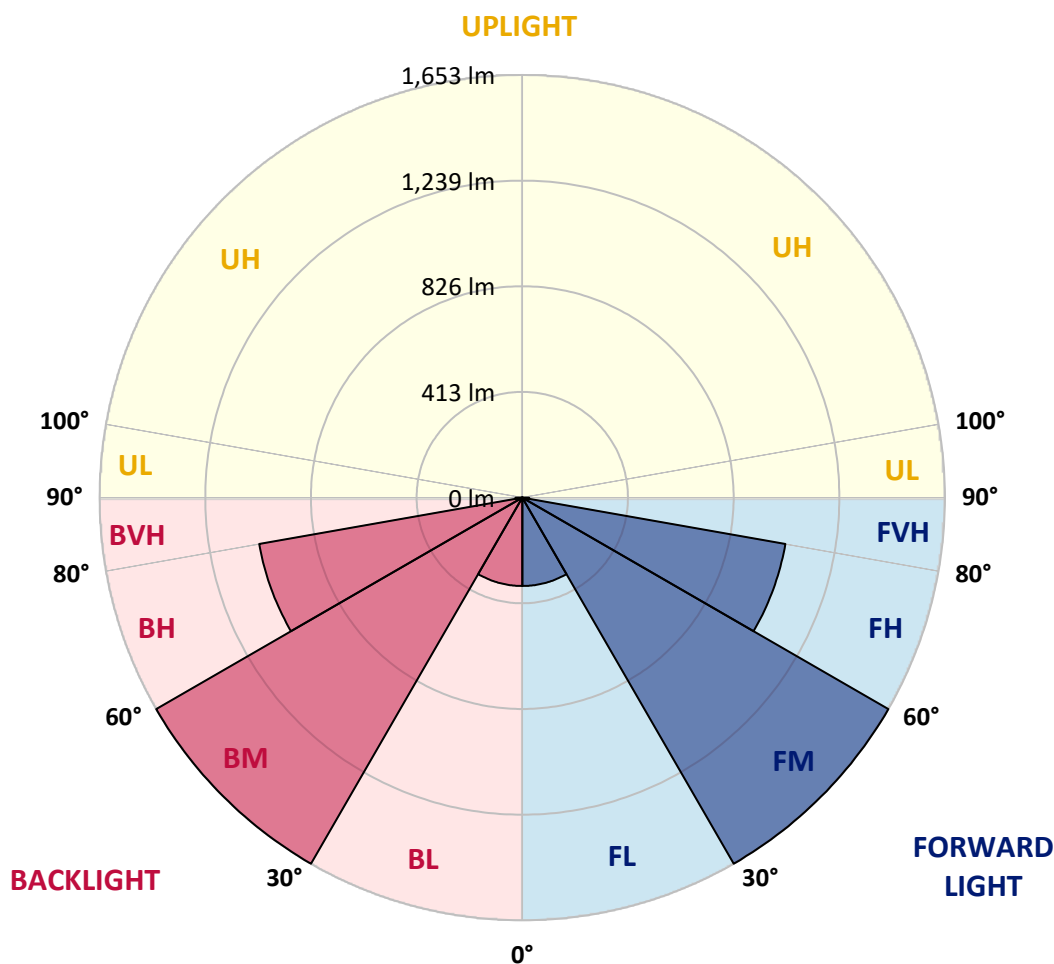
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	5.6			
FM	(30°-60°)	1652.6	26.9			
FH	(60°-80°)	1044.4	17.0			G1/1800
FVH	(80°-90°)	26.6	0.4			G1/100
BL	(0°-30°)	345.4	5.6	B1/500		
BM	(30°-60°)	1652.6	26.9	B2/2500		
BH	(60°-80°)	1044.4	17.0	B3/2500		G3/2500
BVH	(80°-90°)	26.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9	642.9
2.5°	639.6	640.3	640.9	641.9	643.2	645.2	646.5	647.5	650.1	650.5	650.1
5°	637.3	638.0	639.6	642.6	646.8	652.8	657.4	663.0	667.2	670.2	669.5
7.5°	637.0	638.3	640.9	647.2	655.4	665.6	676.1	685.7	693.9	700.5	699.5
10°	642.2	643.9	648.2	657.4	670.2	685.0	699.8	713.9	725.8	734.3	737.3
12.5°	651.1	652.4	660.3	674.1	692.6	711.0	727.7	745.2	761.6	776.1	776.1
15°	666.6	668.9	678.7	698.8	721.5	742.9	760.0	778.4	796.1	812.6	817.5
17.5°	688.0	691.2	706.0	731.7	760.6	780.4	796.5	811.6	827.1	842.8	845.1
20°	717.2	720.5	740.2	771.2	805.4	829.0	839.9	843.5	851.1	866.2	868.2
22.5°	757.0	760.3	782.3	817.2	855.3	881.0	885.6	877.0	875.1	886.9	888.2
25°	802.1	805.0	830.3	867.8	907.3	935.2	933.9	912.9	901.0	908.3	910.3
27.5°	852.7	857.0	882.6	921.4	964.2	988.9	984.9	954.3	929.0	927.7	928.3
30°	917.5	922.1	946.4	983.6	1025.7	1048.4	1040.2	999.0	959.9	946.8	946.8
32.5°	985.9	997.4	1022.1	1060.9	1093.8	1110.2	1097.7	1048.4	996.4	978.0	977.0
35°	1075.0	1081.3	1105.6	1143.4	1168.1	1180.9	1156.9	1103.9	1044.1	1022.4	1019.4
37.5°	1162.2	1167.4	1195.7	1231.9	1261.8	1261.1	1228.6	1170.0	1103.3	1079.0	1077.0
40°	1251.3	1256.9	1289.1	1322.3	1352.2	1349.6	1310.1	1244.7	1173.7	1146.4	1151.6
42.5°	1328.6	1334.8	1371.3	1418.7	1445.6	1445.0	1399.3	1325.6	1251.6	1227.3	1231.9
45°	1398.9	1404.5	1446.9	1501.2	1540.7	1545.6	1495.6	1417.7	1341.7	1310.5	1311.8
47.5°	1448.6	1459.1	1503.5	1565.7	1619.3	1636.7	1587.7	1511.4	1423.9	1391.4	1393.3
50°	1486.4	1493.0	1541.3	1612.0	1679.8	1715.9	1676.5	1598.2	1506.1	1471.6	1476.2
52.5°	1491.0	1498.9	1551.5	1633.1	1719.9	1774.8	1755.4	1683.1	1590.0	1554.5	1564.3
55°	1453.5	1458.1	1520.9	1619.9	1735.7	1818.5	1823.5	1762.0	1669.9	1642.9	1649.5
57.5°	1346.6	1358.5	1438.1	1558.4	1714.0	1841.9	1874.4	1833.7	1750.8	1724.2	1734.7
60°	1171.4	1183.2	1263.1	1415.7	1632.1	1831.0	1916.5	1897.1	1824.1	1802.8	1808.3
62.5°	917.8	916.8	1015.8	1202.9	1469.3	1777.8	1947.8	1958.3	1896.5	1869.5	1878.1
65°	594.9	597.8	693.5	895.1	1223.7	1642.3	1954.7	2036.2	1967.5	1926.7	1933.0
66°	478.5	487.4	568.6	754.4	1098.4	1553.5	1934.0	2059.3	1989.2	1939.9	1942.8
67.5°	353.2	351.5	418.3	561.7	877.0	1384.8	1869.2	2073.7	2013.9	1951.7	1953.0
70°	201.6	201.3	224.9	308.5	515.6	975.0	1575.5	2004.3	2063.9	1994.5	1990.9
72.5°	147.3	146.3	149.6	170.3	251.6	492.3	1086.8	1751.8	2038.2	1987.6	1977.4
75°	123.6	123.0	122.3	125.0	141.1	223.0	576.8	1260.2	1768.6	1865.6	1855.0
77.5°	101.0	101.0	101.3	100.6	101.3	117.4	239.1	675.5	1077.0	1202.3	1231.5
80°	78.9	78.6	84.2	81.9	76.6	75.3	105.9	217.4	357.5	355.5	293.3
82.5°	58.2	54.3	64.1	62.5	56.6	48.0	61.8	92.7	119.4	77.6	57.5
85°	36.8	36.5	45.4	41.4	34.5	22.7	29.6	39.8	49.3	29.9	24.3
87.5°	6.6	6.2	14.5	10.5	10.5	6.6	8.2	10.9	16.1	11.2	8.2
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)