

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: P650666

Luminaire Tested: **GALN-SA1C-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4110 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

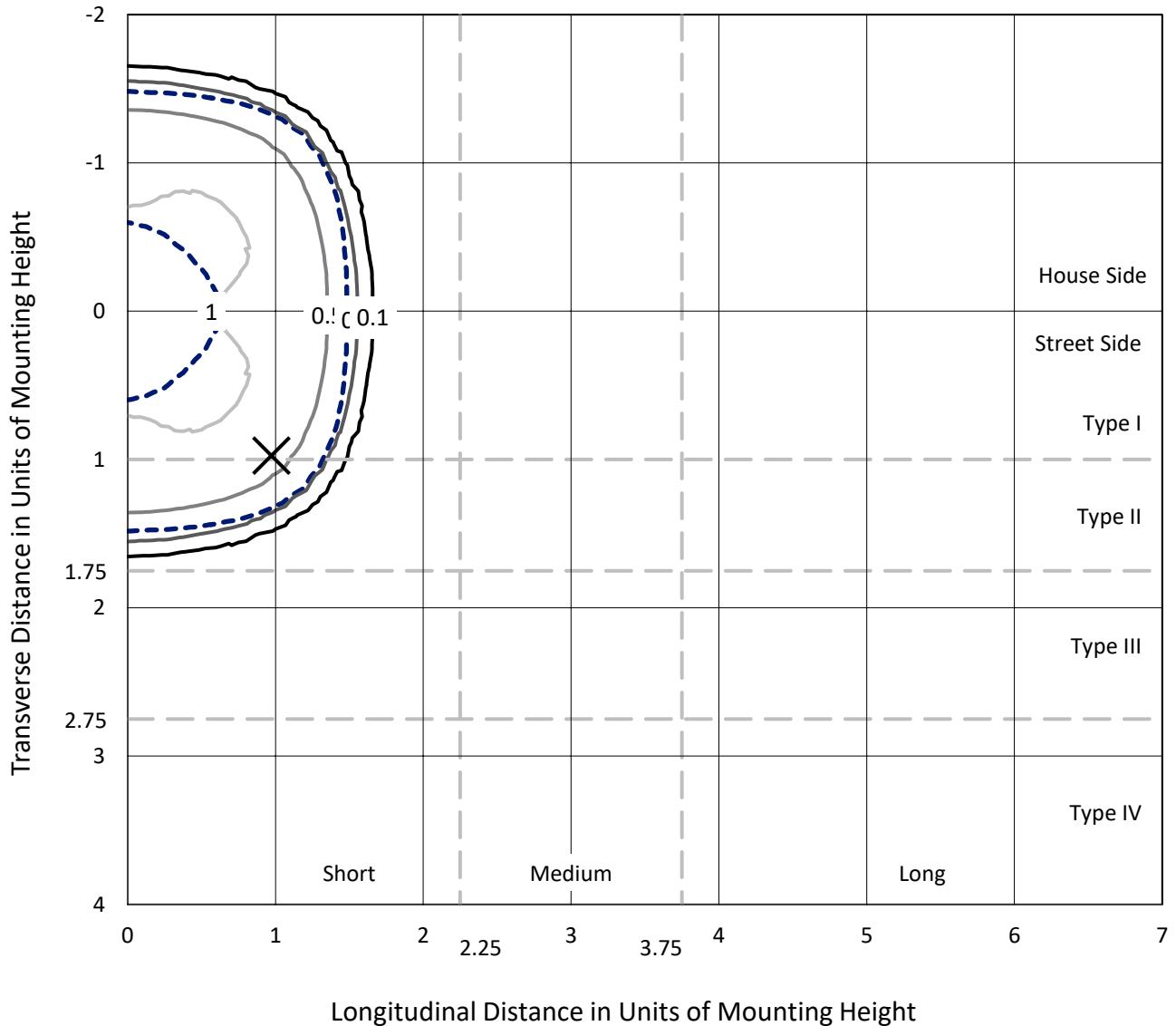
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

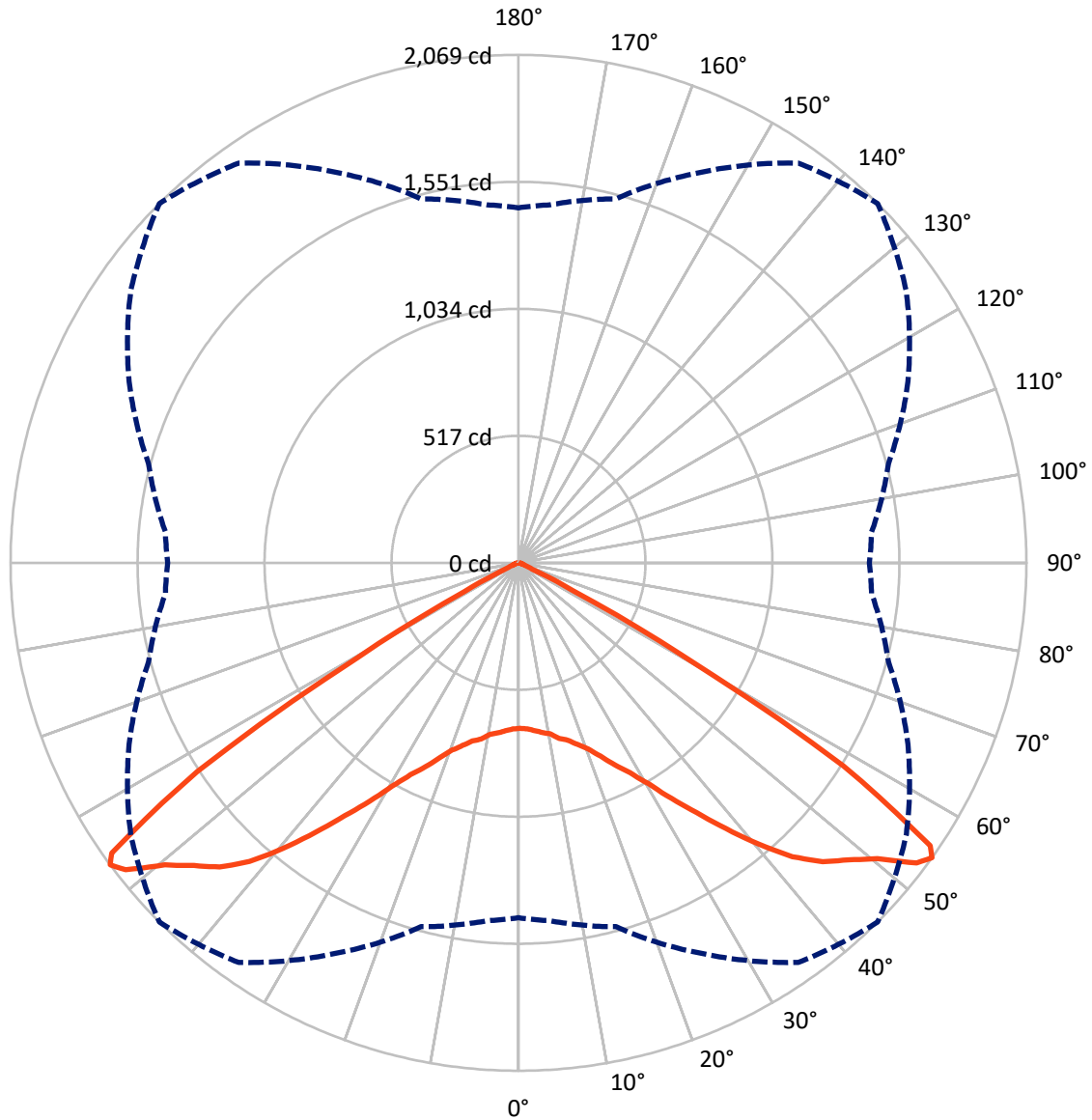
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2055.0	0.0	2055.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2055.0	0.0	2055.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4110.0	0.0	4110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	1.6
10°-20°	213.6	5.2
20°-30°	418.6	10.2
30°-40°	752.8	18.3
40°-50°	1288.7	31.4
50°-60°	1246.9	30.3
60°-70°	106.7	2.6
70°-80°	12.7	0.3
80°-90°	4.0	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°	4110.0	100.0
0°-180°	4110.0	100.0

Coefficient of Utilization

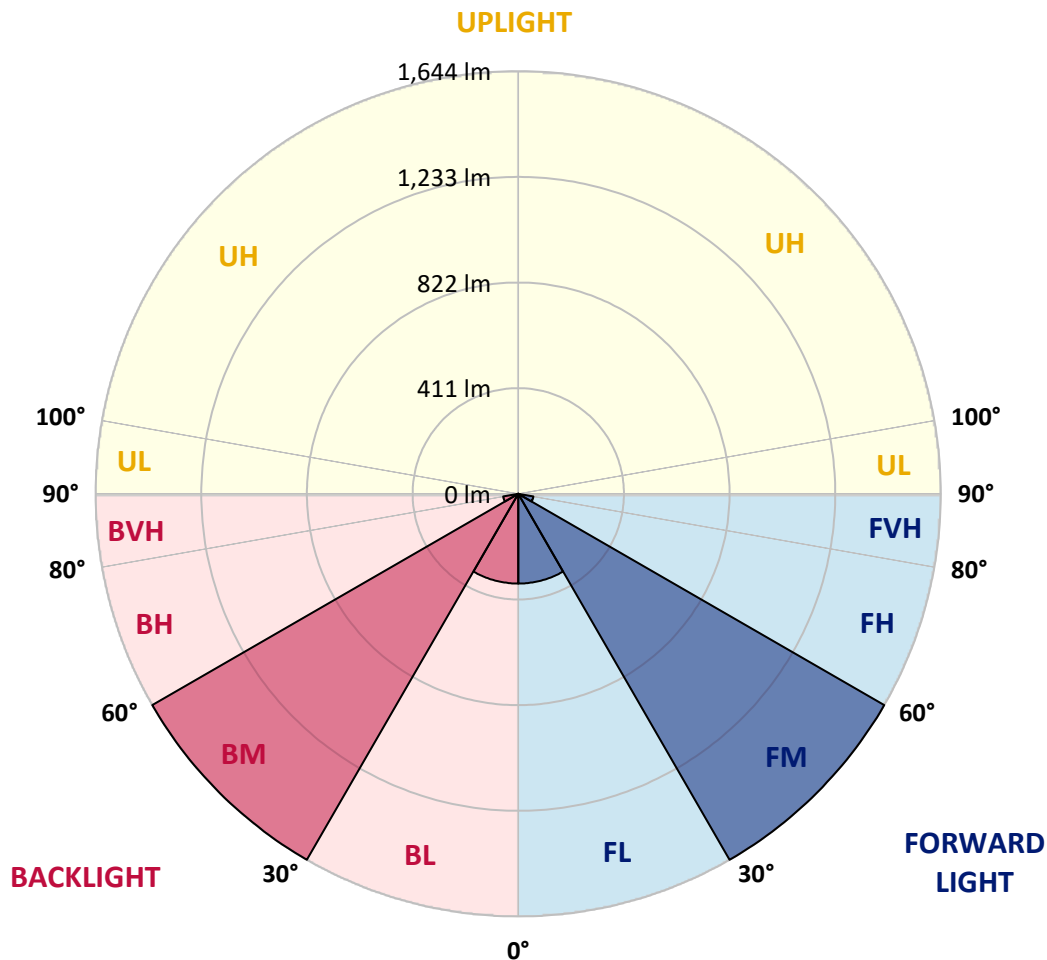


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.1	8.5			
FM (30°-60°)	1644.2	40.0			
FH (60°-80°)	59.7	1.5			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	349.1	8.5	B1/500		
BM (30°-60°)	1644.2	40.0	B2/2500		
BH (60°-80°)	59.7	1.5	B0/110		G0/660
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	673.9	673.9	673.9	673.9	673.9	673.9	673.9	673.9	673.9	673.9	673.9
2.5°	677.2	681.0	678.4	680.5	680.5	677.2	679.1	671.3	676.5	672.6	673.2
5°	687.6	686.9	686.9	687.6	685.0	686.3	683.6	681.0	679.1	676.5	684.3
7.5°	700.6	700.6	696.0	697.4	696.0	698.0	692.8	687.6	685.7	683.6	682.4
10°	713.0	711.7	709.7	715.6	711.0	708.4	705.9	702.6	695.4	692.8	690.2
12.5°	731.2	730.6	728.0	733.8	731.2	733.8	724.0	715.6	714.3	705.9	710.4
15°	752.7	758.6	754.0	754.0	752.7	749.4	745.5	741.6	729.9	726.6	727.3
17.5°	780.7	778.8	779.4	779.4	785.9	777.4	769.6	759.8	754.0	752.0	745.5
20°	807.4	810.0	809.4	813.9	817.8	808.7	800.2	798.9	782.6	785.2	776.2
22.5°	854.3	852.4	855.5	858.8	856.2	854.9	847.1	837.3	823.0	816.5	815.2
25°	903.7	900.5	894.7	902.5	906.3	912.2	897.3	892.0	869.9	860.1	860.8
27.5°	946.0	950.7	957.1	960.4	970.2	968.2	957.8	940.8	923.9	912.9	905.7
30°	1004.0	1006.6	1017.7	1022.2	1039.2	1043.8	1027.4	1007.9	978.0	963.6	955.2
32.5°	1057.4	1075.6	1075.0	1097.8	1125.1	1144.0	1114.7	1084.7	1054.8	1037.9	1022.9
35°	1144.0	1140.7	1159.7	1183.7	1228.0	1249.5	1217.6	1183.1	1137.5	1110.1	1098.4
37.5°	1224.7	1226.1	1251.4	1289.8	1340.6	1373.9	1345.9	1289.3	1242.3	1207.2	1190.9
40°	1342.0	1344.6	1370.6	1414.2	1471.5	1507.3	1474.8	1417.5	1354.9	1327.6	1327.6
42.5°	1479.3	1490.4	1507.3	1545.1	1596.6	1636.2	1607.0	1562.0	1498.9	1463.7	1468.9
45°	1620.6	1625.8	1636.9	1692.9	1717.0	1736.5	1709.2	1688.3	1646.0	1603.0	1595.9
47.5°	1752.8	1754.7	1787.3	1804.9	1823.8	1807.5	1825.1	1797.7	1750.2	1708.5	1700.1
50°	1811.4	1808.2	1854.4	1907.8	1922.1	1893.4	1878.5	1860.2	1788.0	1737.8	1715.7
52.5°	1640.8	1659.7	1745.7	1894.1	2006.1	2030.2	1943.0	1858.9	1724.1	1626.5	1611.5
54°	1445.5	1463.1	1534.1	1754.1	1987.2	2068.6	1928.0	1749.5	1559.5	1443.5	1428.5
55°	1252.1	1232.6	1361.5	1586.1	1898.6	2034.7	1868.7	1608.2	1390.8	1284.6	1263.9
57.5°	677.8	681.0	789.8	1002.1	1334.2	1560.1	1377.7	1088.0	821.7	702.6	692.1
60°	214.9	220.1	267.6	405.0	637.5	761.2	652.4	436.9	302.1	242.2	232.5
62.5°	67.0	69.6	76.2	113.3	174.5	249.4	195.4	117.2	87.2	80.1	81.4
65°	41.0	41.0	41.6	44.2	52.1	60.6	58.6	51.5	49.5	48.2	47.5
67.5°	26.7	26.1	27.3	29.3	30.6	31.3	33.2	35.2	34.5	33.2	33.2
70°	16.3	15.6	16.9	19.5	20.2	21.4	23.5	26.1	25.4	24.1	24.7
72.5°	9.1	9.1	9.8	11.7	13.7	15.0	16.9	18.9	19.5	18.9	18.9
75°	3.3	3.9	5.2	7.1	8.5	10.4	12.4	14.3	16.3	15.0	14.3
77.5°	1.3	1.3	2.6	4.5	6.5	8.5	11.7	13.7	15.0	13.7	12.4
80°	0.7	0.7	1.9	3.9	5.9	7.8	9.8	11.7	12.4	11.1	9.8
82.5°	0.7	0.7	1.9	3.9	5.9	7.1	10.4	11.7	13.0	11.7	9.8
85°	0.0	0.7	1.9	3.9	5.2	5.9	5.9	3.9	3.3	1.9	1.9
87.5°	0.0	0.0	0.7	0.0	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)