

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: P646706

Luminaire Tested: **GALN-SA1C-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646706
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-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 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: 3826.5 lumens
Efficiency: N/A
Efficacy: 67.1 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

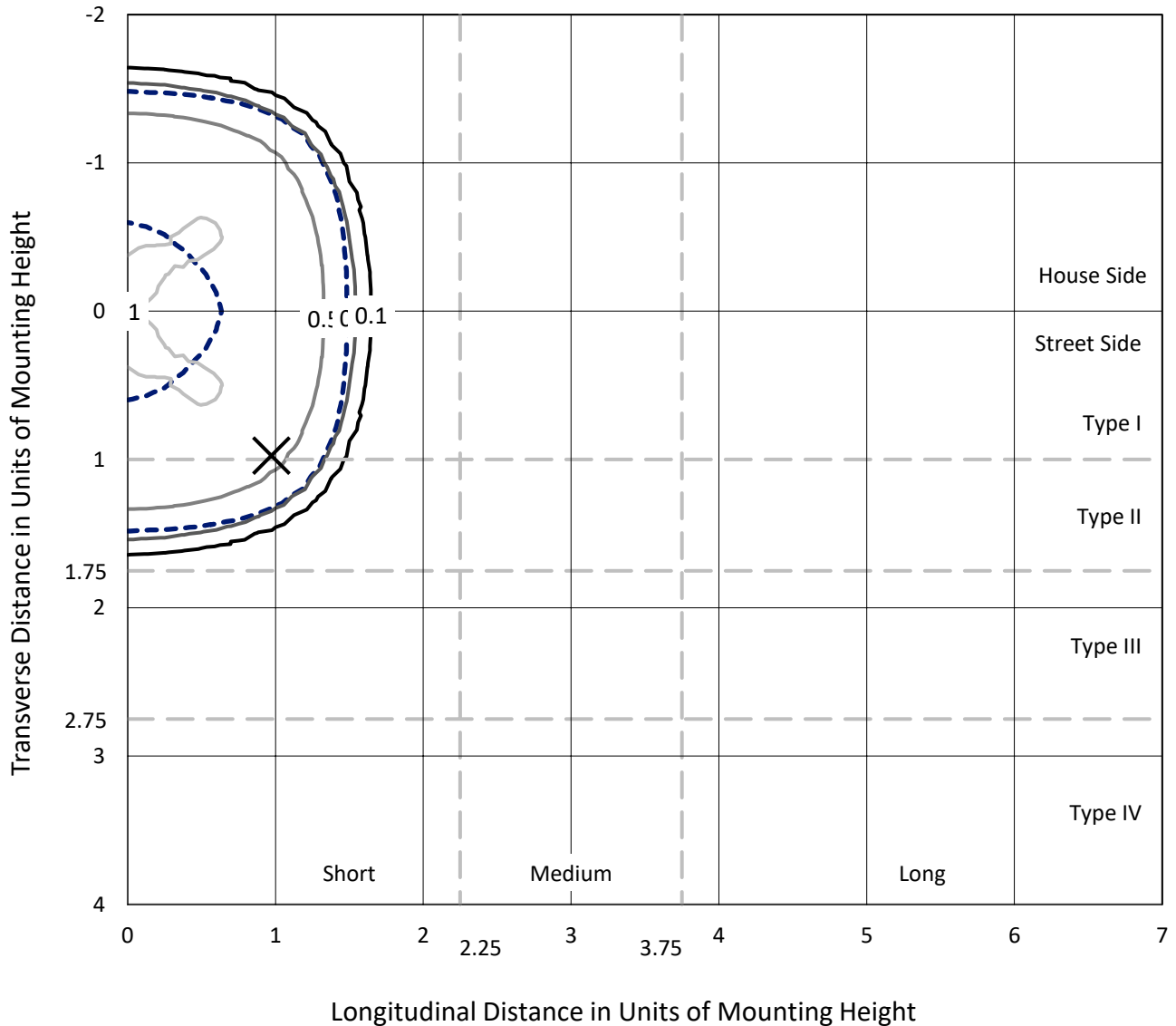
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

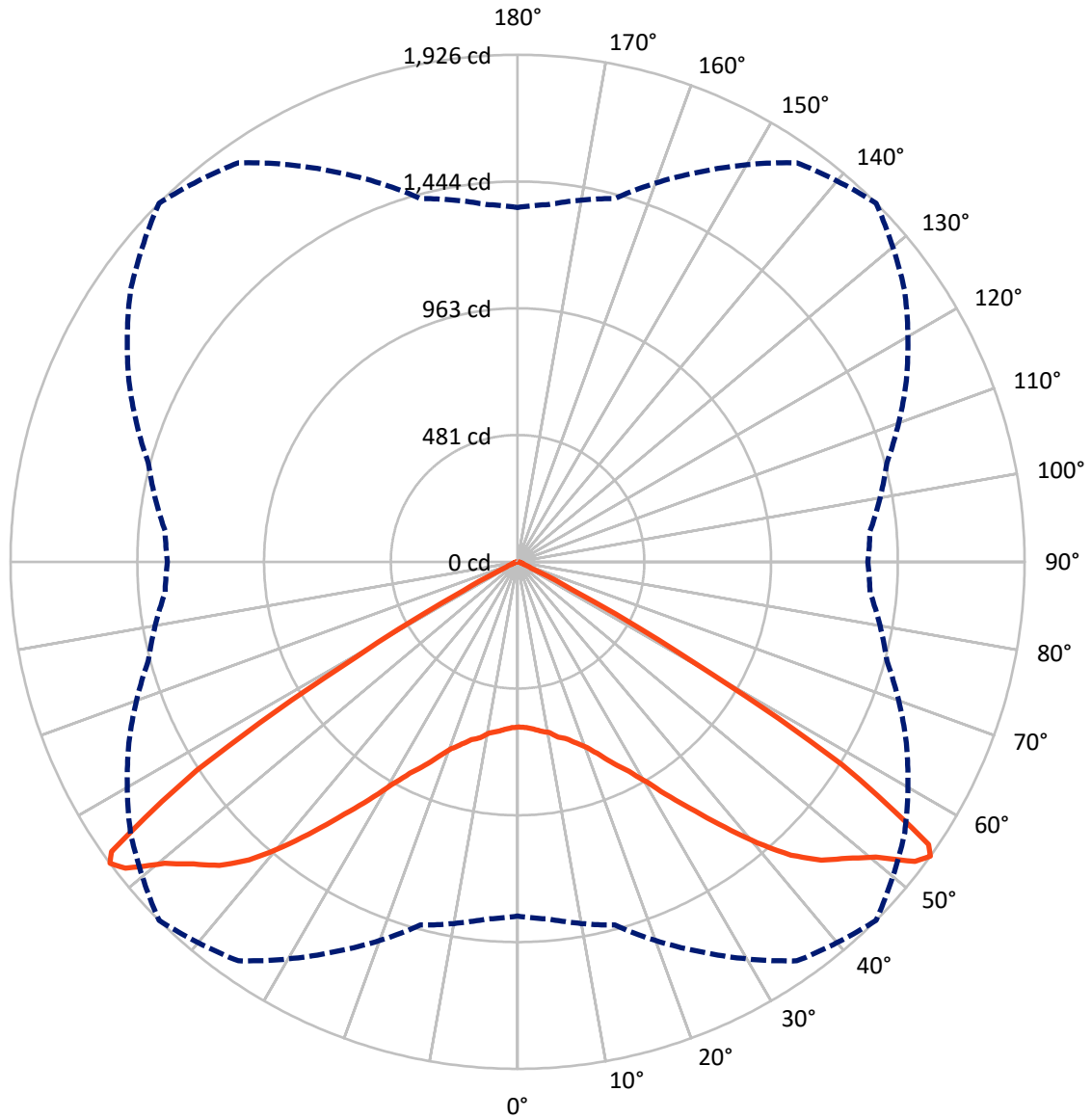
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	1913.3	0.0	1913.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1913.3	0.0	1913.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3826.5	0.0	3826.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.6
10°-20°	198.9	5.2
20°-30°	389.8	10.2
30°-40°	700.9	18.3
40°-50°	1199.8	31.4
50°-60°	1160.9	30.3
60°-70°	99.4	2.6
70°-80°	11.8	0.3
80°-90°	3.7	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°	3826.5	100.0
0°-180°	3826.5	100.0

Coefficient of Utilization



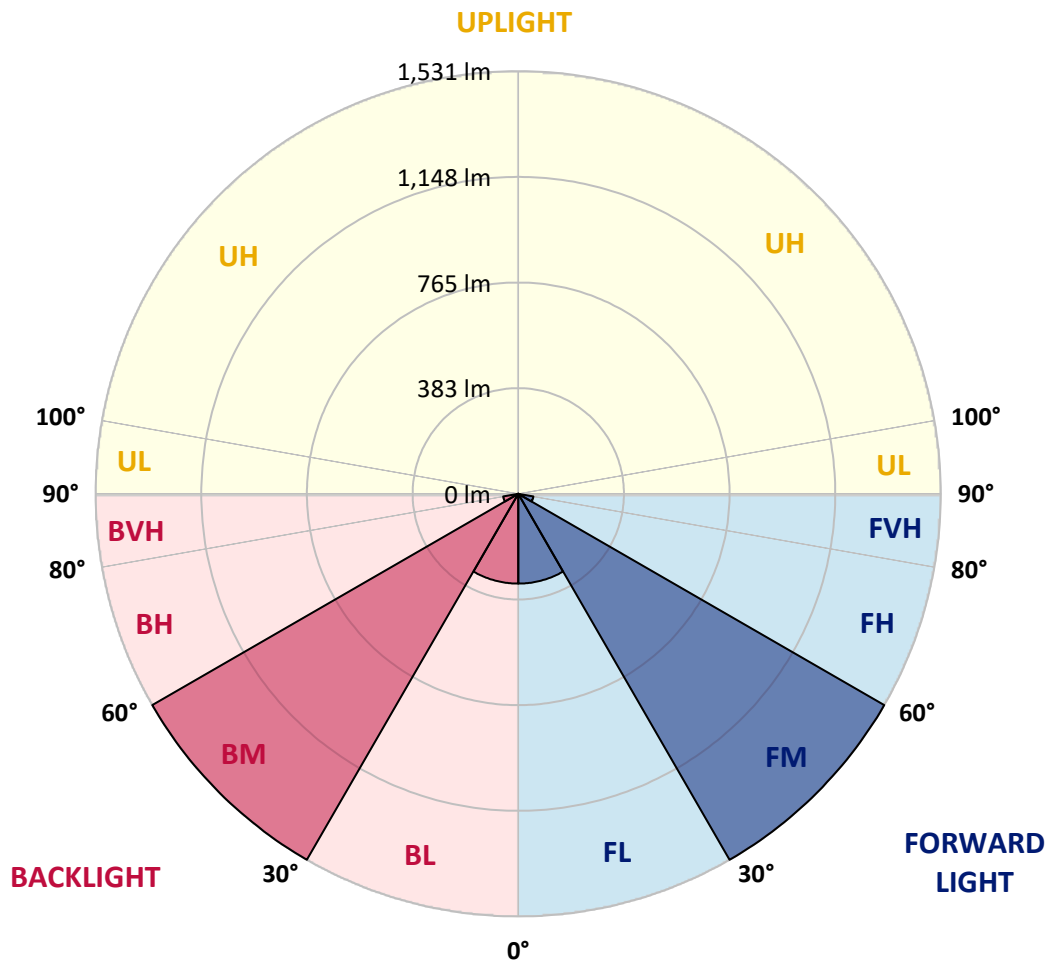
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.0	8.5			
FM (30°-60°)	1530.8	40.0			
FH (60°-80°)	55.6	1.5			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	325.0	8.5	B1/500		
BM (30°-60°)	1530.8	40.0	B2/2500		
BH (60°-80°)	55.6	1.5	B0/110		G0/660
BVH (80°-90°)	1.8	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°	627.4	627.4	627.4	627.4	627.4	627.4	627.4	627.4	627.4	627.4	627.4
2.5°	630.5	634.1	631.6	633.5	633.5	630.5	632.3	625.0	629.8	626.2	626.8
5°	640.2	639.6	639.6	640.2	637.8	638.9	636.5	634.1	632.3	629.8	637.1
7.5°	652.3	652.3	648.0	649.3	648.0	649.9	645.0	640.2	638.4	636.5	635.3
10°	663.8	662.6	660.8	666.3	661.9	659.5	657.2	654.1	647.5	645.0	642.6
12.5°	680.7	680.2	677.8	683.2	680.7	683.2	674.1	666.3	665.0	657.2	661.4
15°	700.8	706.3	702.0	702.0	700.8	697.7	694.1	690.4	679.6	676.5	677.1
17.5°	726.9	725.1	725.6	725.6	731.7	723.8	716.5	707.4	702.0	700.2	694.1
20°	751.7	754.1	753.6	757.8	761.4	752.9	745.0	743.8	728.7	731.1	722.6
22.5°	795.4	793.6	796.5	799.6	797.2	795.9	788.7	779.6	766.2	760.2	759.0
25°	841.4	838.4	833.0	840.2	843.8	849.3	835.4	830.5	809.9	800.8	801.4
27.5°	880.8	885.1	891.1	894.2	903.3	901.5	891.8	875.9	860.2	849.9	843.2
30°	934.7	937.2	947.5	951.7	967.6	971.8	956.6	938.4	910.6	897.2	889.3
32.5°	984.5	1001.5	1000.8	1022.0	1047.5	1065.1	1037.9	1009.9	982.0	966.3	952.4
35°	1065.1	1062.1	1079.7	1102.1	1143.3	1163.3	1133.6	1101.5	1059.1	1033.6	1022.7
37.5°	1140.3	1141.5	1165.1	1200.9	1248.2	1279.1	1253.0	1200.3	1156.6	1123.9	1108.7
40°	1249.4	1251.9	1276.1	1316.7	1370.0	1403.4	1373.1	1319.7	1261.5	1236.0	1236.0
42.5°	1377.3	1387.6	1403.4	1438.5	1486.4	1523.4	1496.2	1454.3	1395.5	1362.7	1367.6
45°	1508.8	1513.7	1524.0	1576.2	1598.6	1616.7	1591.3	1571.9	1532.5	1492.5	1485.8
47.5°	1631.9	1633.7	1664.0	1680.4	1698.0	1682.8	1699.2	1673.7	1629.5	1590.7	1582.8
50°	1686.5	1683.4	1726.5	1776.2	1789.5	1762.8	1748.9	1731.9	1664.7	1618.0	1597.4
52.5°	1527.6	1545.3	1625.3	1763.5	1867.8	1890.2	1809.0	1730.7	1605.2	1514.3	1500.4
54°	1345.8	1362.2	1428.3	1633.1	1850.2	1925.9	1795.0	1628.9	1451.9	1343.9	1330.0
55°	1165.7	1147.6	1267.6	1476.7	1767.7	1894.4	1739.8	1497.3	1294.8	1196.0	1176.7
57.5°	631.1	634.1	735.3	932.9	1242.2	1452.5	1282.7	1013.0	765.1	654.1	644.4
60°	200.1	204.9	249.2	377.1	593.5	708.7	607.5	406.8	281.3	225.5	216.4
62.5°	62.4	64.8	70.9	105.5	162.5	232.2	181.9	109.2	81.2	74.5	75.8
65°	38.2	38.2	38.8	41.2	48.5	56.4	54.6	47.9	46.0	44.9	44.2
67.5°	24.8	24.3	25.4	27.2	28.5	29.1	30.9	32.7	32.1	30.9	30.9
70°	15.2	14.6	15.7	18.2	18.8	20.0	21.8	24.3	23.6	22.4	23.0
72.5°	8.5	8.5	9.1	10.9	12.8	13.9	15.7	17.6	18.2	17.6	17.6
75°	3.1	3.6	4.9	6.7	7.9	9.7	11.5	13.3	15.2	13.9	13.3
77.5°	1.2	1.2	2.4	4.2	6.0	7.9	10.9	12.8	13.9	12.8	11.5
80°	0.6	0.6	1.8	3.6	5.5	7.3	9.1	10.9	11.5	10.3	9.1
82.5°	0.6	0.6	1.8	3.6	5.5	6.7	9.7	10.9	12.1	10.9	9.1
85°	0.0	0.6	1.8	3.6	4.9	5.5	5.5	3.6	3.1	1.8	1.8
87.5°	0.0	0.0	0.6	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)