

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: P526664

Luminaire Tested: **GALN-SA1C-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4711 lumens
Efficiency: N/A
Efficacy: 82.6 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

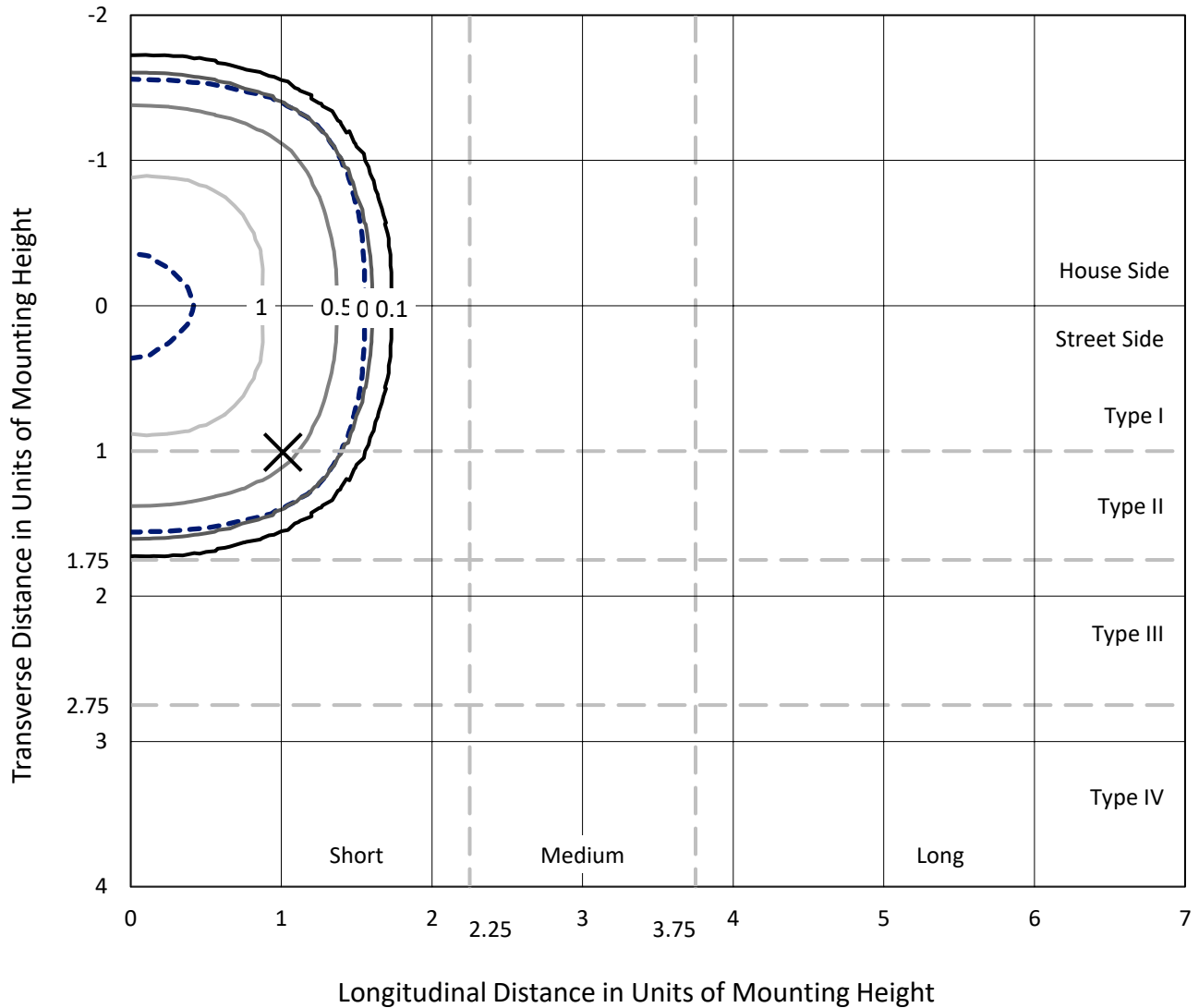
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

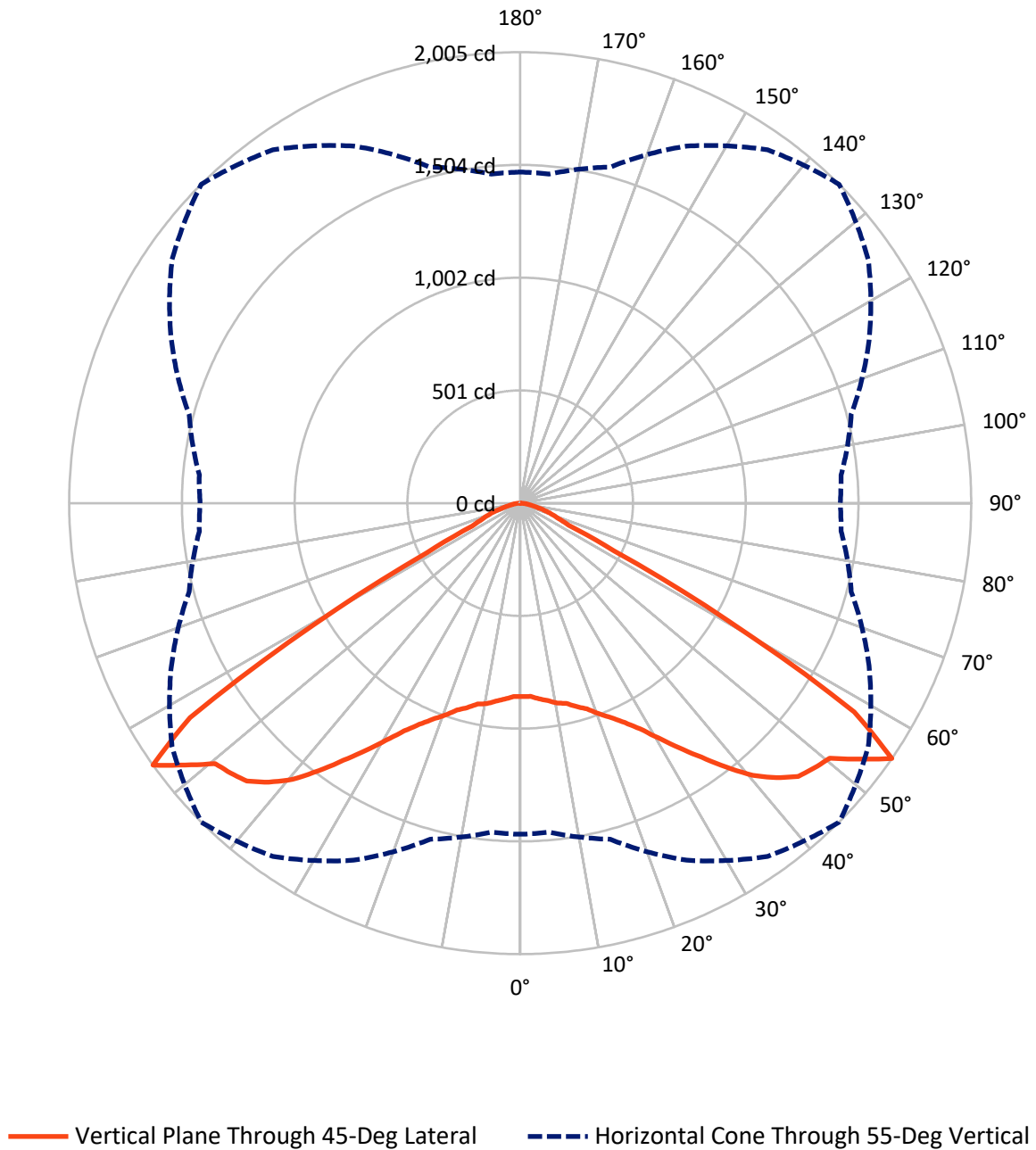
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2355.5	0.0	2355.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2355.5	0.0	2355.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4711.0	0.0	4711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.8
10°-20°	266.2	5.7
20°-30°	496.5	10.5
30°-40°	831.2	17.6
40°-50°	1293.5	27.5
50°-60°	1343.0	28.5
60°-70°	284.8	6.0
70°-80°	93.8	2.0
80°-90°	17.9	0.4
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°	4711.0	100.0
0°-180°	4711.0	100.0

Coefficient of Utilization



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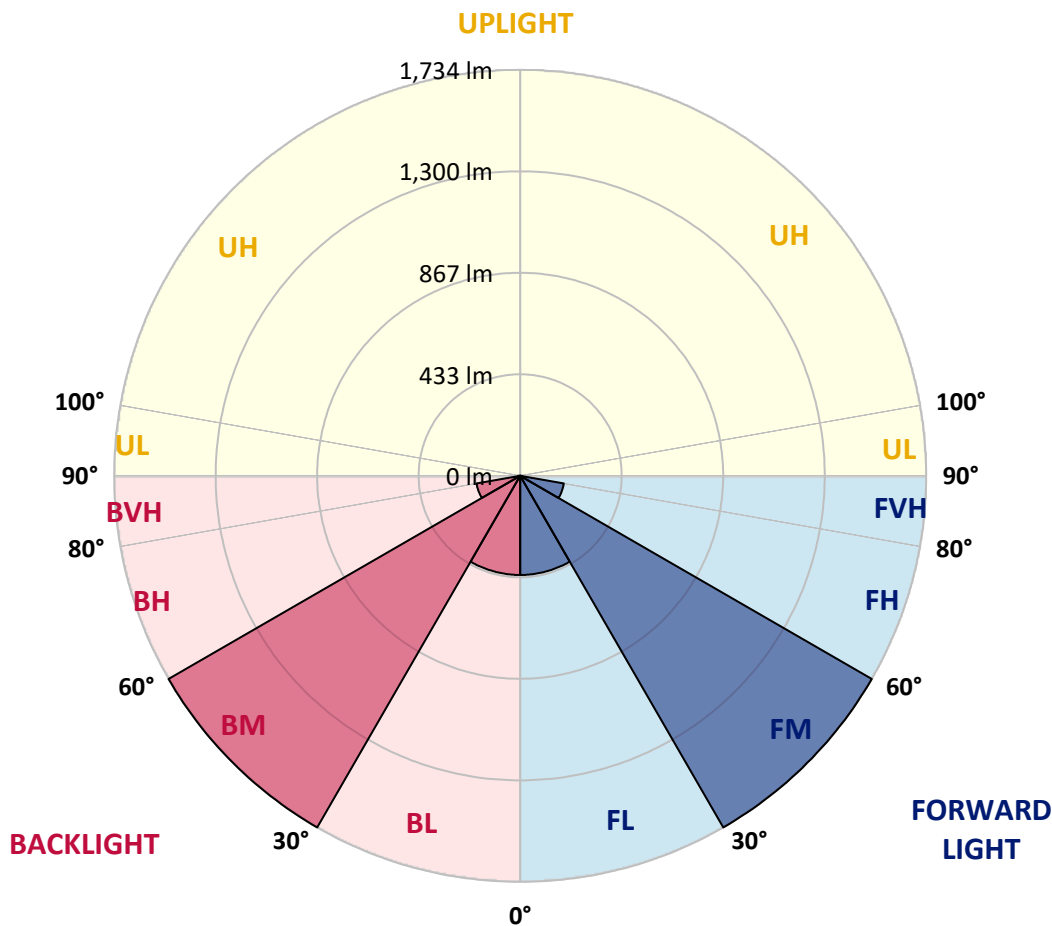
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.4	9.0			
FM (30°-60°)	1733.9	36.8			
FH (60°-80°)	189.3	4.0			G0/660
FVH (80°-90°)	8.9	0.2			G0/10
BL (0°-30°)	423.4	9.0	B1/500		
BM (30°-60°)	1733.9	36.8	B2/2500		
BH (60°-80°)	189.3	4.0	B1/500		G0/660
BVH (80°-90°)	8.9	0.2			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°	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	870.4	866.4	859.6	864.7	868.7	860.2	863.6	865.3	864.1	859.6	861.3
5°	882.9	880.7	875.0	878.9	873.8	873.8	870.4	865.9	872.7	871.5	874.4
7.5°	882.9	880.1	891.5	884.1	886.3	886.3	880.7	876.1	879.5	874.4	871.5
10°	900.6	904.6	899.4	901.1	900.0	904.0	895.5	892.6	889.8	888.1	884.6
12.5°	921.6	918.8	920.5	919.4	923.3	913.1	908.0	901.7	906.8	899.4	904.6
15°	938.7	937.0	938.7	943.3	939.3	938.7	929.6	923.3	915.4	917.1	909.1
17.5°	962.1	960.3	960.9	964.9	964.3	961.5	954.7	942.7	939.9	935.3	930.2
20°	996.8	993.9	992.8	994.5	997.4	999.6	986.0	981.4	971.7	964.3	955.8
22.5°	1026.4	1025.2	1029.8	1022.4	1028.7	1035.5	1022.4	1020.1	996.2	992.2	983.1
25°	1067.4	1065.7	1062.8	1073.6	1081.0	1080.5	1067.9	1055.4	1037.2	1032.6	1032.6
27.5°	1110.6	1101.0	1115.8	1118.6	1131.7	1135.7	1124.9	1106.6	1089.6	1079.9	1082.2
30°	1164.7	1155.6	1159.0	1179.5	1196.6	1211.4	1184.1	1157.3	1133.4	1116.3	1113.5
32.5°	1218.8	1209.7	1219.9	1239.9	1274.0	1296.2	1269.5	1222.8	1194.9	1169.8	1175.0
35°	1262.6	1269.5	1286.0	1316.1	1351.4	1387.3	1344.6	1308.7	1268.9	1241.0	1245.0
37.5°	1333.2	1354.3	1367.4	1402.1	1452.2	1489.2	1444.8	1398.1	1355.4	1319.0	1306.5
40°	1425.4	1439.7	1454.5	1495.5	1554.7	1591.7	1549.5	1488.6	1446.5	1408.9	1407.2
42.5°	1526.8	1540.4	1555.8	1605.9	1641.2	1669.1	1630.4	1597.9	1551.2	1521.6	1519.9
45°	1644.6	1634.9	1652.0	1685.0	1714.6	1732.8	1707.8	1691.9	1658.3	1630.9	1628.1
47.5°	1723.2	1714.6	1745.4	1775.0	1779.5	1759.6	1764.7	1779.5	1744.2	1699.3	1713.5
50°	1768.7	1768.7	1789.2	1816.5	1808.0	1782.4	1822.8	1823.9	1788.6	1748.8	1748.8
52.5°	1689.6	1707.2	1765.3	1854.7	1883.1	1890.5	1881.4	1842.7	1750.5	1669.1	1665.1
55°	1472.1	1468.1	1546.7	1751.6	1917.3	2004.9	1888.8	1710.6	1523.4	1431.7	1422.6
57.5°	957.5	962.1	1079.3	1288.2	1587.1	1750.5	1554.7	1304.2	1079.3	952.9	964.9
60°	430.9	446.3	517.5	673.4	930.2	1063.4	932.5	707.6	543.1	471.4	477.6
62.5°	247.6	250.5	253.3	300.6	396.2	468.5	411.6	317.6	280.1	267.6	267.6
65°	208.9	207.2	207.8	211.8	222.0	236.8	230.6	222.0	223.2	222.0	220.3
67.5°	177.6	179.9	178.2	181.0	181.6	183.9	187.9	191.3	191.8	193.0	191.8
70°	145.7	146.3	147.4	149.7	150.3	152.0	157.7	160.5	162.2	162.2	164.5
72.5°	111.6	111.0	112.1	114.4	117.3	117.8	123.0	126.9	129.2	126.4	126.9
75°	73.4	74.0	75.7	77.4	81.4	85.4	87.1	91.1	91.7	92.8	89.9
77.5°	43.8	45.0	46.7	50.1	53.5	56.9	60.9	63.8	64.9	63.8	60.3
80°	28.5	28.5	30.7	33.6	37.6	40.4	42.7	45.0	46.7	45.0	43.8
82.5°	17.6	17.6	20.5	23.9	26.8	28.5	31.9	34.7	36.4	35.3	33.6
85°	9.1	9.7	12.0	14.8	17.1	18.2	17.6	15.9	14.2	13.7	12.5
87.5°	2.8	2.8	3.4	3.4	2.8	2.8	3.4	2.8	3.4	3.4	3.4
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)