

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: P526326

Luminaire Tested: **GALN-SA1B-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526326
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-SA1B-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA 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: 4831 lumens
Efficiency: N/A
Efficacy: 109.8 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

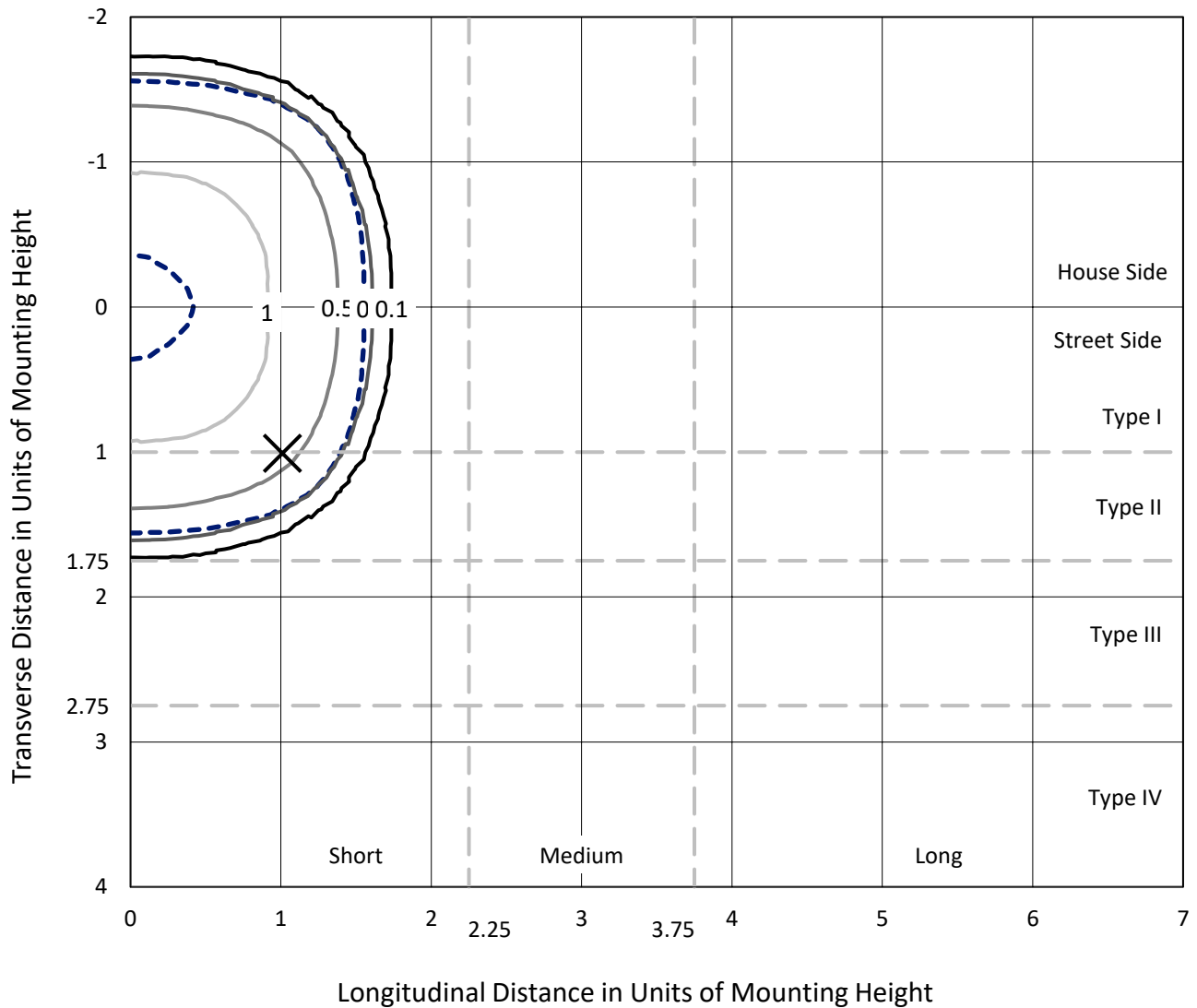
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

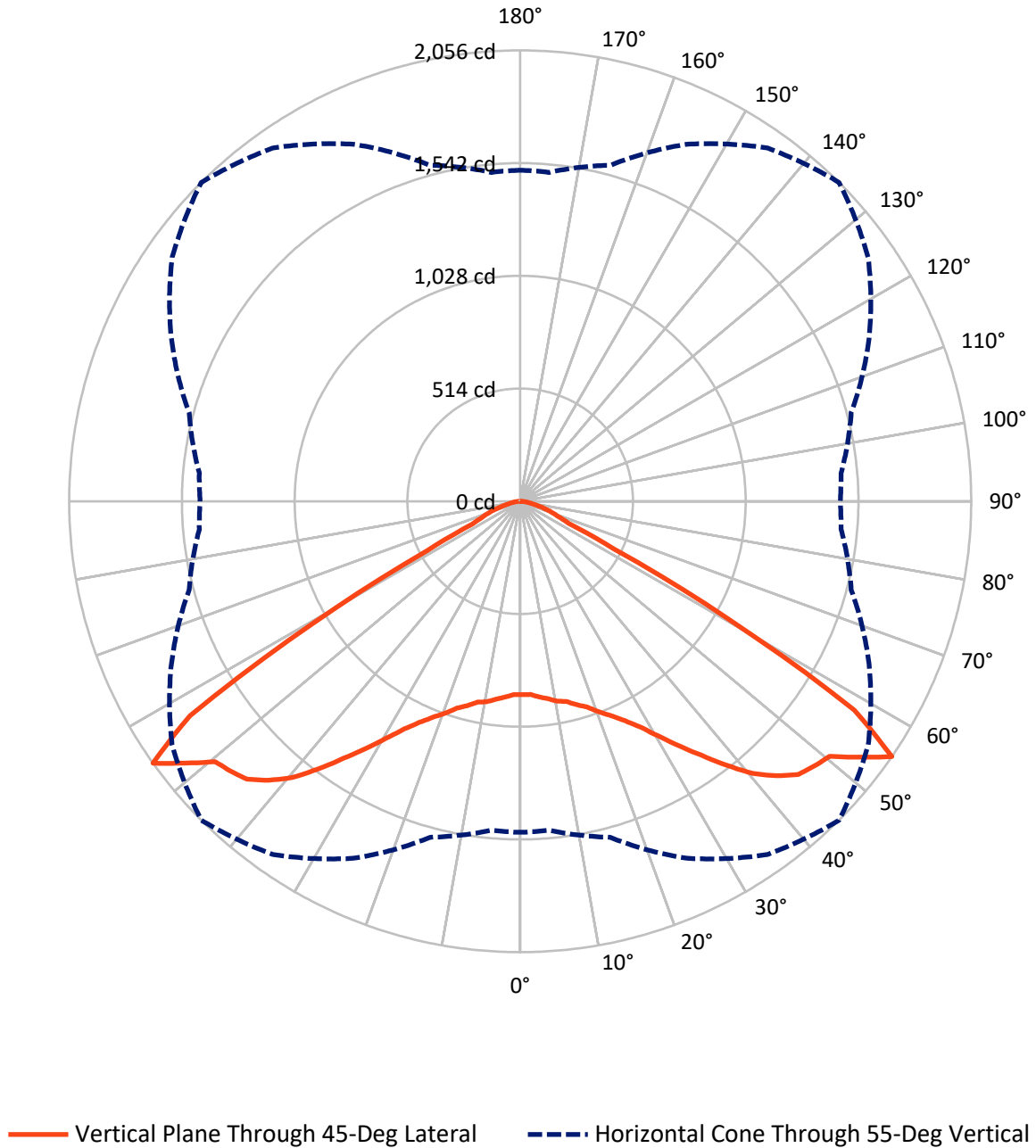
× Max cd
 - - - 1/2 Max cd



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	2415.5	0.0	2415.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2415.5	0.0	2415.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4831.0	0.0	4831.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.8
10°-20°	273.0	5.7
20°-30°	509.1	10.5
30°-40°	852.4	17.6
40°-50°	1326.4	27.5
50°-60°	1377.3	28.5
60°-70°	292.1	6.0
70°-80°	96.2	2.0
80°-90°	18.3	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°	4831.0	100.0
0°-180°	4831.0	100.0

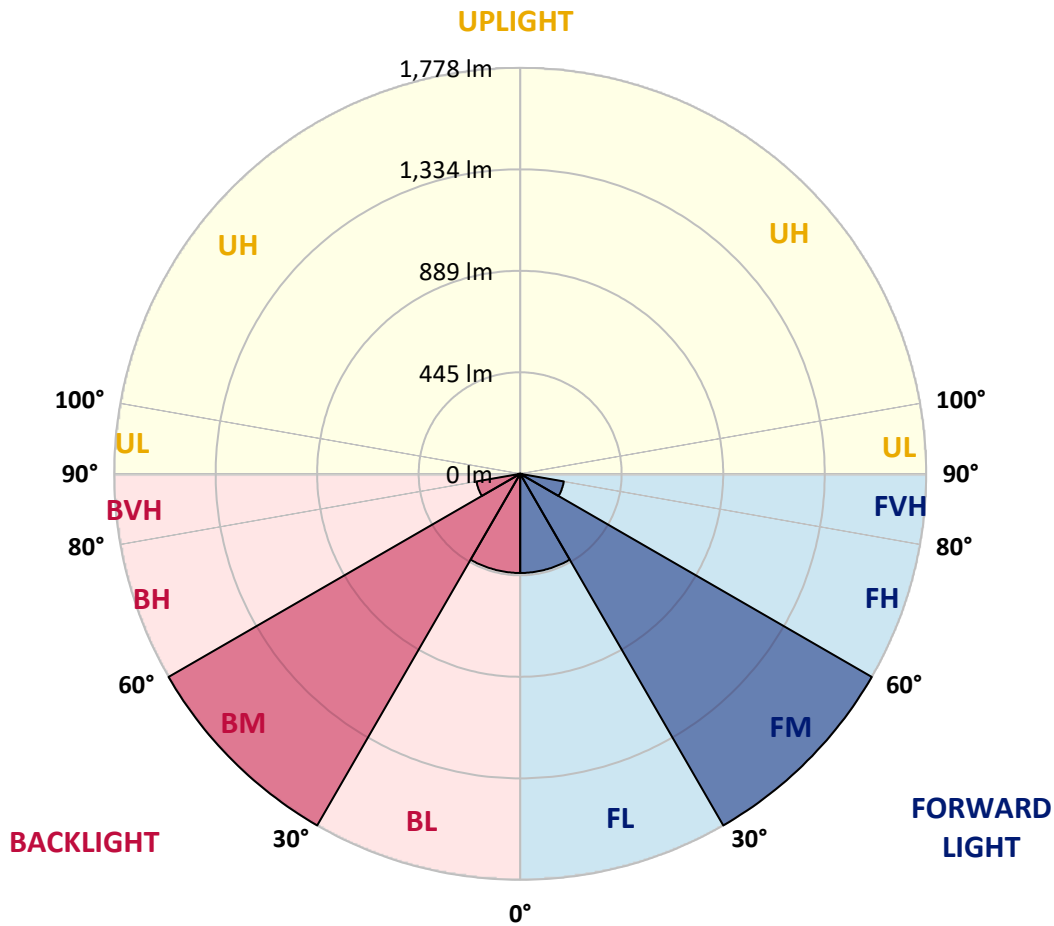


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	434.2	9.0			
FM (30°-60°)	1778.1	36.8			
FH (60°-80°)	194.1	4.0			G0/660
FVH (80°-90°)	9.2	0.2			G0/10
BL (0°-30°)	434.2	9.0	B1/500		
BM (30°-60°)	1778.1	36.8	B2/2500		
BH (60°-80°)	194.1	4.0	B1/500		G0/660
BVH (80°-90°)	9.2	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°	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1	882.1
2.5°	892.6	888.5	881.5	886.7	890.8	882.1	885.6	887.3	886.2	881.5	883.2
5°	905.4	903.1	897.2	901.3	896.1	896.1	892.6	887.9	894.9	893.7	896.7
7.5°	905.4	902.5	914.2	906.6	908.9	908.9	903.1	898.4	901.9	896.7	893.7
10°	923.5	927.6	922.3	924.1	922.9	927.0	918.3	915.3	912.4	910.7	907.2
12.5°	945.1	942.2	943.9	942.8	946.9	936.4	931.1	924.7	929.9	922.3	927.6
15°	962.6	960.9	962.6	967.3	963.2	962.6	953.3	946.9	938.7	940.4	932.3
17.5°	986.6	984.8	985.4	989.5	988.9	986.0	979.0	966.7	963.8	959.1	953.9
20°	1022.2	1019.3	1018.1	1019.8	1022.8	1025.1	1011.1	1006.4	996.5	988.9	980.1
22.5°	1052.5	1051.4	1056.0	1048.4	1054.9	1061.9	1048.4	1046.1	1021.6	1017.5	1008.2
25°	1094.6	1092.8	1089.9	1101.0	1108.6	1108.0	1095.1	1082.3	1063.6	1058.9	1058.9
27.5°	1138.9	1129.0	1144.2	1147.1	1160.5	1164.6	1153.5	1134.8	1117.3	1107.4	1109.7
30°	1194.4	1185.0	1188.5	1209.6	1227.1	1242.3	1214.2	1186.8	1162.3	1144.8	1141.8
32.5°	1249.8	1240.5	1251.0	1271.4	1306.5	1329.2	1301.8	1253.9	1225.3	1199.6	1204.9
35°	1294.8	1301.8	1318.7	1349.7	1385.9	1422.6	1378.9	1342.1	1301.2	1272.6	1276.7
37.5°	1367.2	1388.8	1402.2	1437.8	1489.2	1527.1	1481.6	1433.7	1389.9	1352.6	1339.7
40°	1461.7	1476.3	1491.5	1533.6	1594.3	1632.2	1589.0	1526.5	1483.3	1444.8	1443.1
42.5°	1565.7	1579.7	1595.4	1646.8	1683.0	1711.6	1671.9	1638.6	1590.8	1560.4	1558.7
45°	1686.5	1676.6	1694.1	1727.9	1758.3	1777.0	1751.3	1734.9	1700.5	1672.5	1669.6
47.5°	1767.1	1758.3	1789.8	1820.2	1824.8	1804.4	1809.7	1824.8	1788.7	1742.5	1757.1
50°	1813.8	1813.8	1834.8	1862.8	1854.0	1827.8	1869.2	1870.4	1834.2	1793.3	1793.3
52.5°	1732.6	1750.7	1810.3	1901.9	1931.1	1938.7	1929.3	1889.6	1795.1	1711.6	1707.5
55°	1509.6	1505.5	1586.1	1796.2	1966.1	2056.0	1936.9	1754.2	1562.2	1468.2	1458.8
57.5°	981.9	986.6	1106.8	1321.1	1627.5	1795.1	1594.3	1337.4	1106.8	977.2	989.5
60°	441.9	457.7	530.6	690.6	953.9	1090.5	956.2	725.6	556.9	483.4	489.8
62.5°	253.9	256.9	259.8	308.2	406.3	480.4	422.1	325.7	287.2	274.4	274.4
65°	214.2	212.5	213.1	217.2	227.7	242.8	236.4	227.7	228.8	227.7	225.9
67.5°	182.1	184.5	182.7	185.6	186.2	188.6	192.6	196.1	196.7	197.9	196.7
70°	149.4	150.0	151.2	153.5	154.1	155.9	161.7	164.6	166.4	166.4	168.7
72.5°	114.4	113.8	115.0	117.3	120.3	120.8	126.1	130.2	132.5	129.6	130.2
75°	75.3	75.9	77.6	79.4	83.5	87.6	89.3	93.4	94.0	95.2	92.2
77.5°	44.9	46.1	47.9	51.4	54.9	58.4	62.5	65.4	66.5	65.4	61.9
80°	29.2	29.2	31.5	34.4	38.5	41.4	43.8	46.1	47.9	46.1	44.9
82.5°	18.1	18.1	21.0	24.5	27.4	29.2	32.7	35.6	37.4	36.2	34.4
85°	9.3	9.9	12.3	15.2	17.5	18.7	18.1	16.3	14.6	14.0	12.8
87.5°	2.9	2.9	3.5	3.5	2.9	2.9	3.5	2.9	3.5	3.5	3.5
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)