

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: P526332

Luminaire Tested: **GALN-SA1B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4700 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

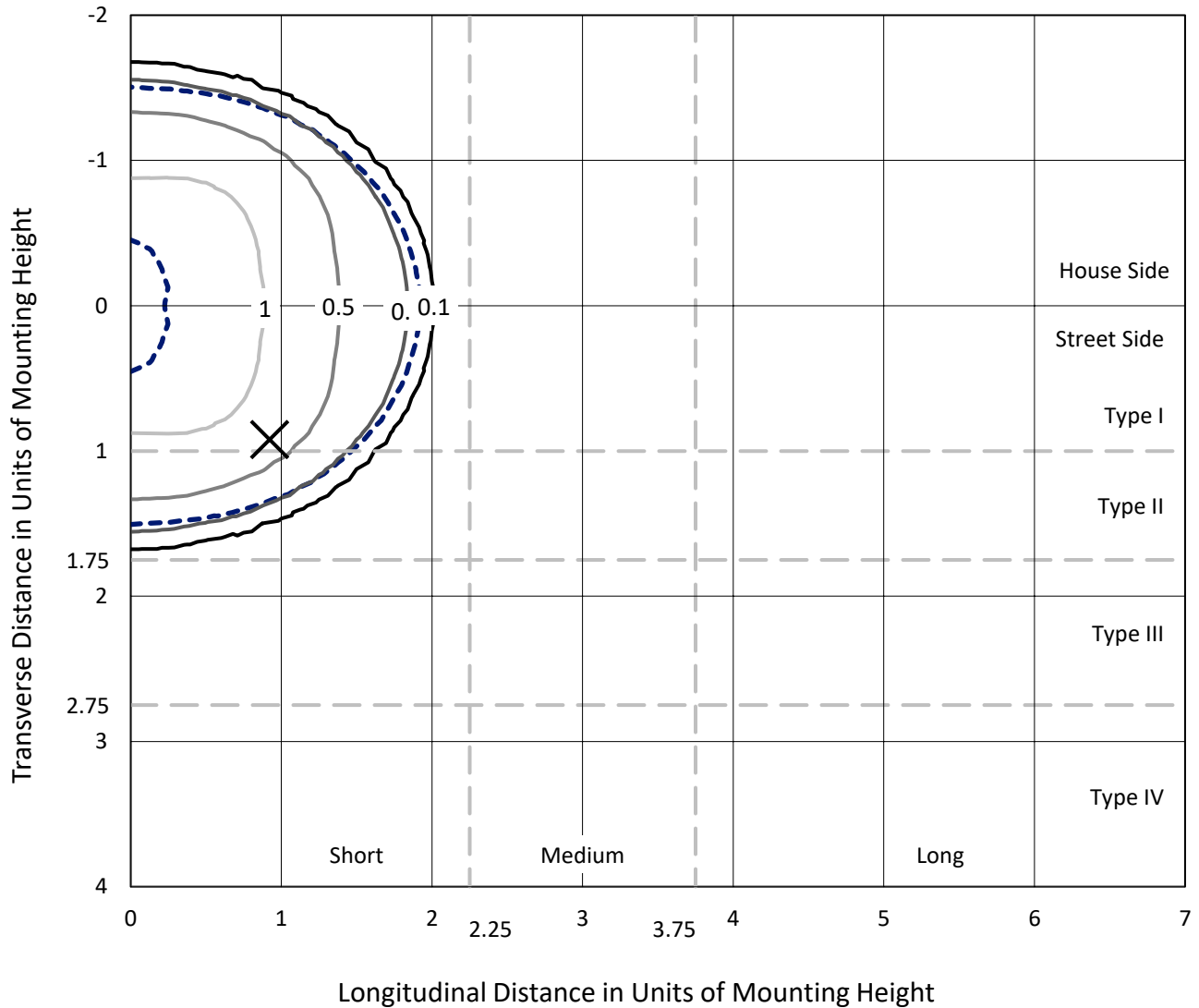
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

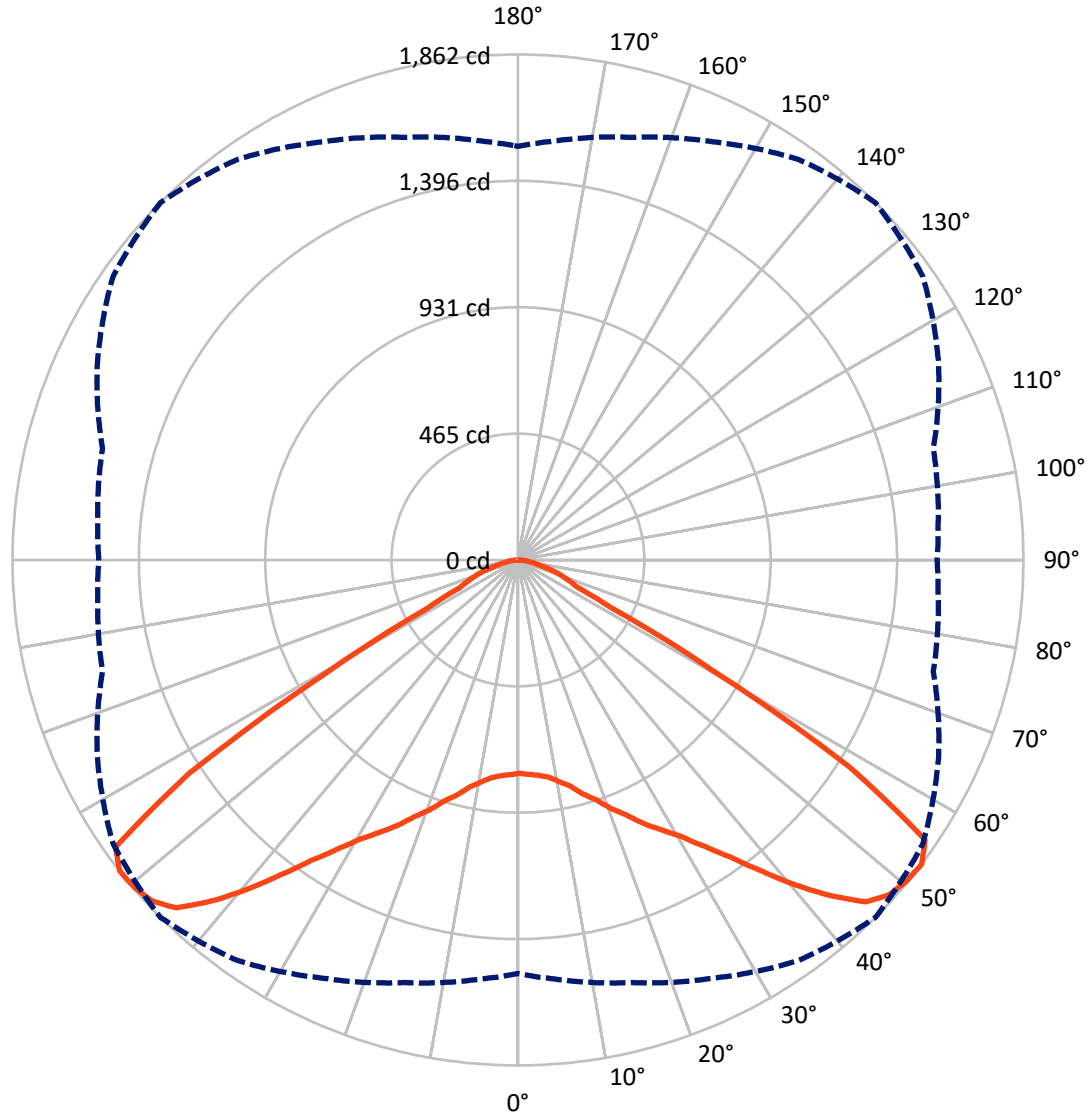
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2350.0	0.0	2350.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2350.0	0.0	2350.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4700.0	0.0	4700.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.6
10°-20°	253.6	5.4
20°-30°	482.9	10.3
30°-40°	829.2	17.6
40°-50°	1274.4	27.1
50°-60°	1294.2	27.5
60°-70°	360.7	7.7
70°-80°	106.4	2.3
80°-90°	21.4	0.5
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°	4700.0	100.0
0°-180°	4700.0	100.0

Coefficient of Utilization



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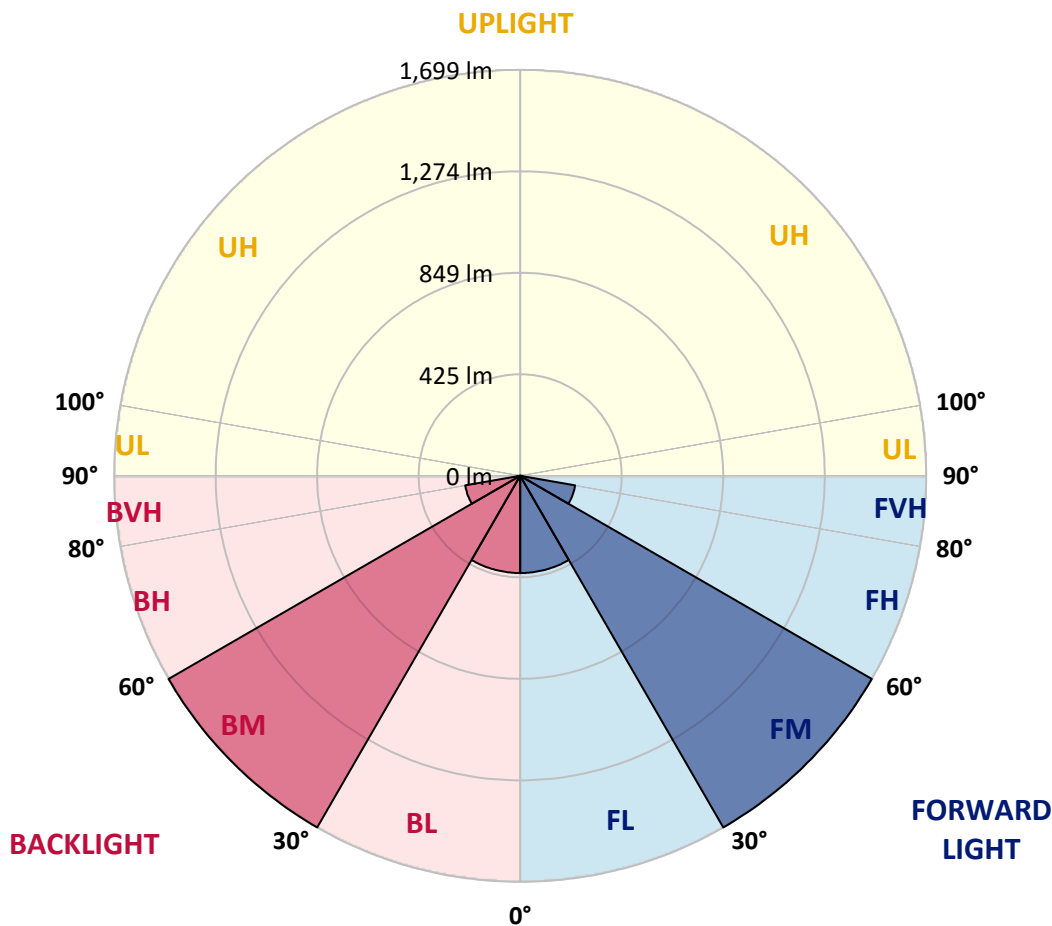
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.9	8.7			
FM (30°-60°)	1698.9	36.1			
FH (60°-80°)	233.5	5.0			G0/660
FVH (80°-90°)	10.7	0.2			G1/100
BL (0°-30°)	406.9	8.7	B1/500		
BM (30°-60°)	1698.9	36.1	B2/2500		
BH (60°-80°)	233.5	5.0	B1/500		G0/660
BVH (80°-90°)	10.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	785.7	785.7	785.7	785.7	785.7	785.7	785.7	785.7	785.7	785.7	785.7
2.5°	787.4	779.3	782.2	783.9	791.5	790.9	789.2	791.5	793.8	794.4	793.2
5°	786.8	781.0	783.3	785.1	792.7	796.7	795.6	805.5	812.5	810.7	819.5
7.5°	782.2	785.7	782.8	791.5	797.9	807.8	818.3	827.7	836.4	846.3	848.1
10°	792.7	792.7	797.9	804.9	821.8	829.4	844.6	858.0	874.9	886.6	881.9
12.5°	803.7	805.5	805.5	823.6	837.6	854.5	868.5	886.6	910.5	924.5	931.5
15°	814.8	816.0	821.8	846.3	867.3	894.2	907.0	923.3	936.7	963.0	963.6
17.5°	824.7	831.2	848.7	876.1	902.3	928.0	948.4	965.3	977.0	987.5	985.1
20°	862.1	866.7	884.8	912.2	951.3	976.4	983.4	986.3	993.9	1014.9	1008.5
22.5°	898.2	900.0	916.9	958.9	986.3	1019.6	1027.1	1025.4	1028.3	1033.6	1042.9
25°	935.6	938.5	961.8	997.4	1035.9	1075.6	1082.0	1068.6	1064.5	1070.3	1070.9
27.5°	983.4	984.0	1013.7	1044.6	1088.4	1125.7	1135.6	1125.1	1105.9	1110.5	1118.1
30°	1044.1	1040.0	1069.7	1114.0	1160.1	1181.1	1198.0	1192.8	1171.8	1167.7	1161.3
32.5°	1114.0	1115.2	1142.0	1190.5	1220.8	1255.8	1273.9	1265.1	1251.7	1244.7	1248.8
35°	1212.6	1217.9	1236.0	1276.2	1325.2	1342.7	1371.3	1352.6	1317.6	1326.4	1333.9
37.5°	1293.7	1308.9	1342.7	1390.5	1419.7	1451.8	1462.3	1437.2	1411.5	1401.0	1426.1
40°	1417.9	1413.3	1450.6	1498.4	1541.6	1573.7	1560.3	1535.2	1471.6	1472.2	1479.2
42.5°	1524.7	1527.0	1555.6	1612.7	1671.7	1691.5	1648.9	1587.7	1517.1	1509.5	1524.7
45°	1614.5	1623.8	1640.2	1716.6	1774.3	1795.9	1717.2	1644.8	1550.3	1518.8	1543.9
47.5°	1646.6	1661.7	1697.3	1767.3	1824.5	1842.0	1779.0	1675.2	1581.2	1529.9	1543.3
50°	1651.2	1646.0	1704.3	1768.5	1818.6	1856.6	1801.1	1697.3	1573.7	1546.8	1542.8
52.5°	1523.5	1549.2	1611.6	1699.7	1801.1	1861.8	1821.0	1709.6	1584.2	1553.8	1543.9
55°	1233.0	1202.7	1316.4	1464.6	1651.2	1819.8	1814.0	1716.0	1590.6	1565.5	1552.1
57.5°	688.3	697.0	761.2	922.2	1163.0	1443.0	1612.7	1648.3	1587.7	1573.1	1580.1
60°	318.5	321.4	348.8	424.0	573.4	818.3	1041.7	1268.6	1373.0	1394.0	1394.0
62.5°	237.4	236.2	243.2	256.6	288.1	376.2	502.2	682.4	825.9	926.2	952.5
65°	214.6	214.1	217.6	222.2	224.6	236.8	264.8	320.2	366.9	393.7	389.0
67.5°	187.8	187.2	188.4	191.3	195.4	201.8	208.8	220.5	236.8	235.6	232.7
70°	151.7	151.7	153.4	155.7	160.4	168.0	176.1	184.3	198.3	201.2	200.6
72.5°	112.0	110.2	113.7	118.4	123.1	132.4	141.2	148.7	158.6	161.6	160.4
75°	71.2	72.3	74.7	79.9	88.1	94.5	103.8	110.2	116.7	119.0	119.6
77.5°	39.7	40.8	44.9	51.3	59.5	66.5	74.7	79.9	84.0	84.6	85.2
80°	23.9	24.5	28.6	34.4	41.4	49.0	55.4	60.7	64.2	62.4	61.8
82.5°	14.6	15.2	18.7	23.9	29.7	35.6	42.6	47.2	50.7	48.4	46.1
85°	7.6	8.2	11.1	14.6	19.2	22.2	22.2	19.8	19.2	18.1	17.5
87.5°	2.3	2.3	2.9	3.5	2.9	3.5	4.1	4.7	4.7	5.2	4.7
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)