

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: P458547

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5534 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

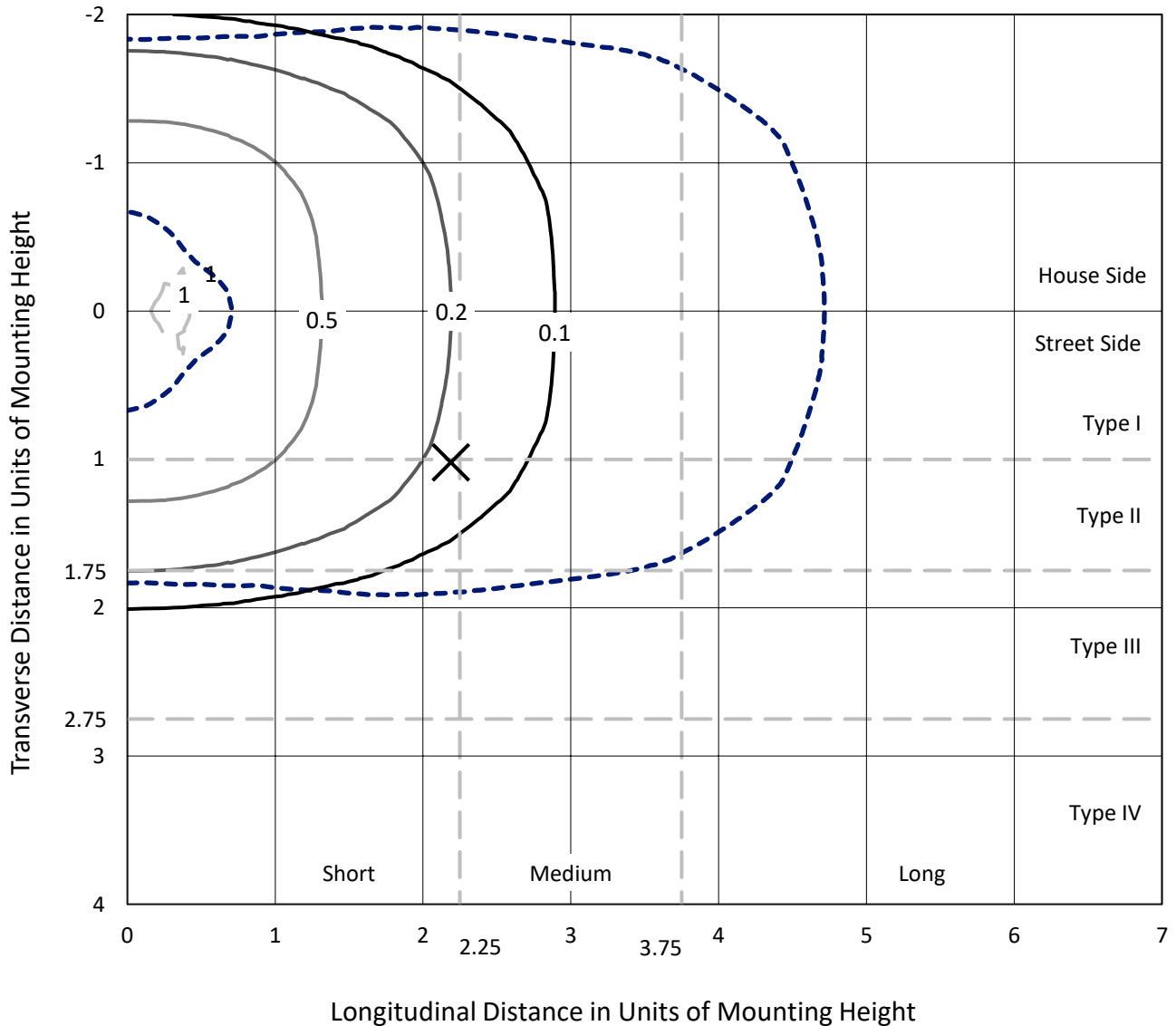
Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

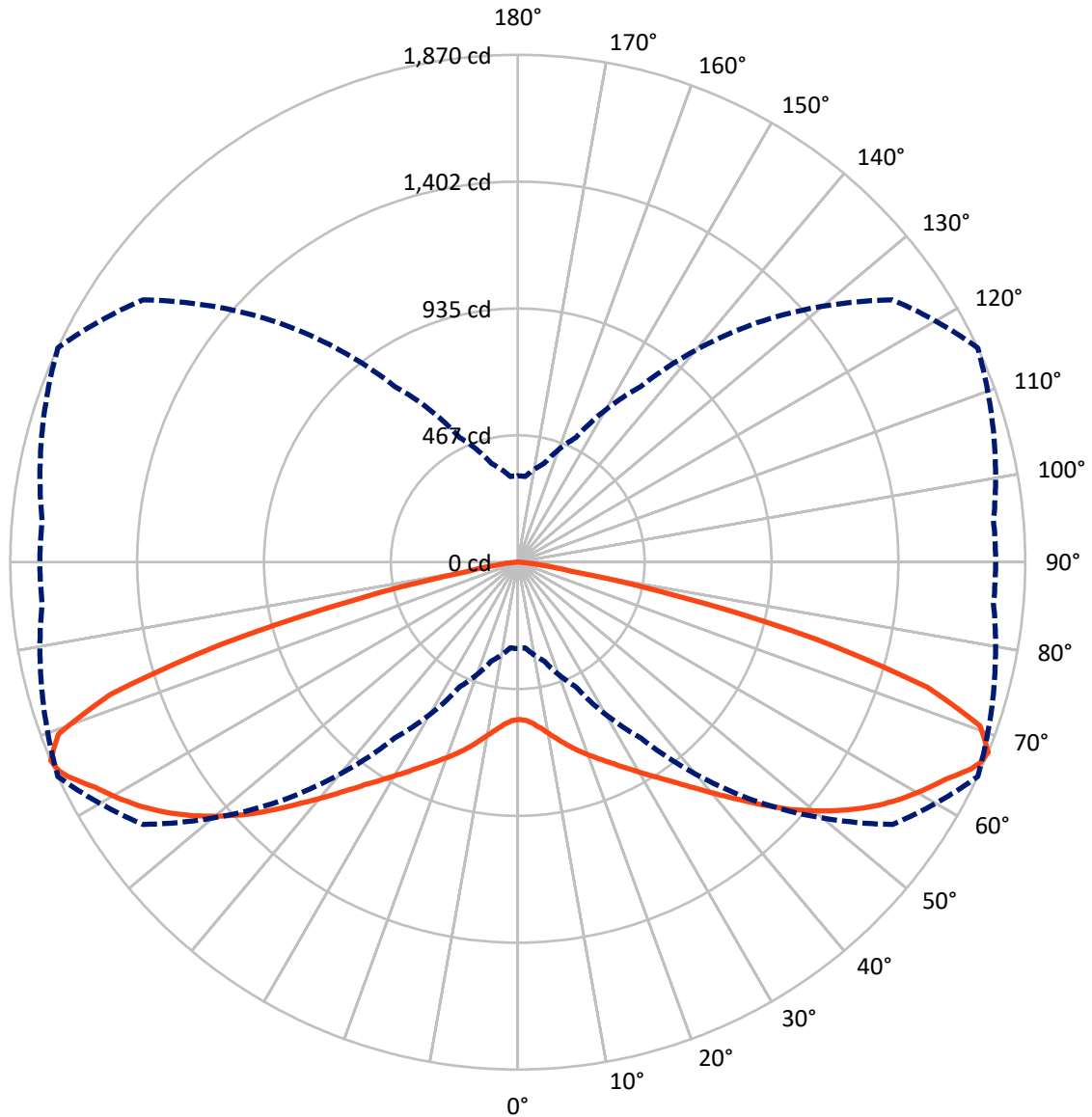
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2767.0	0.0	2767.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2767.0	0.0	2767.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5534.0	0.0	5534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.0
10°-20°	191.3	3.5
20°-30°	374.3	6.8
30°-40°	636.6	11.5
40°-50°	1007.5	18.2
50°-60°	1335.9	24.1
60°-70°	1260.2	22.8
70°-80°	623.0	11.3
80°-90°	48.0	0.9
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°	5534.0	100.0
0°-180°	5534.0	100.0

Coefficient of Utilization



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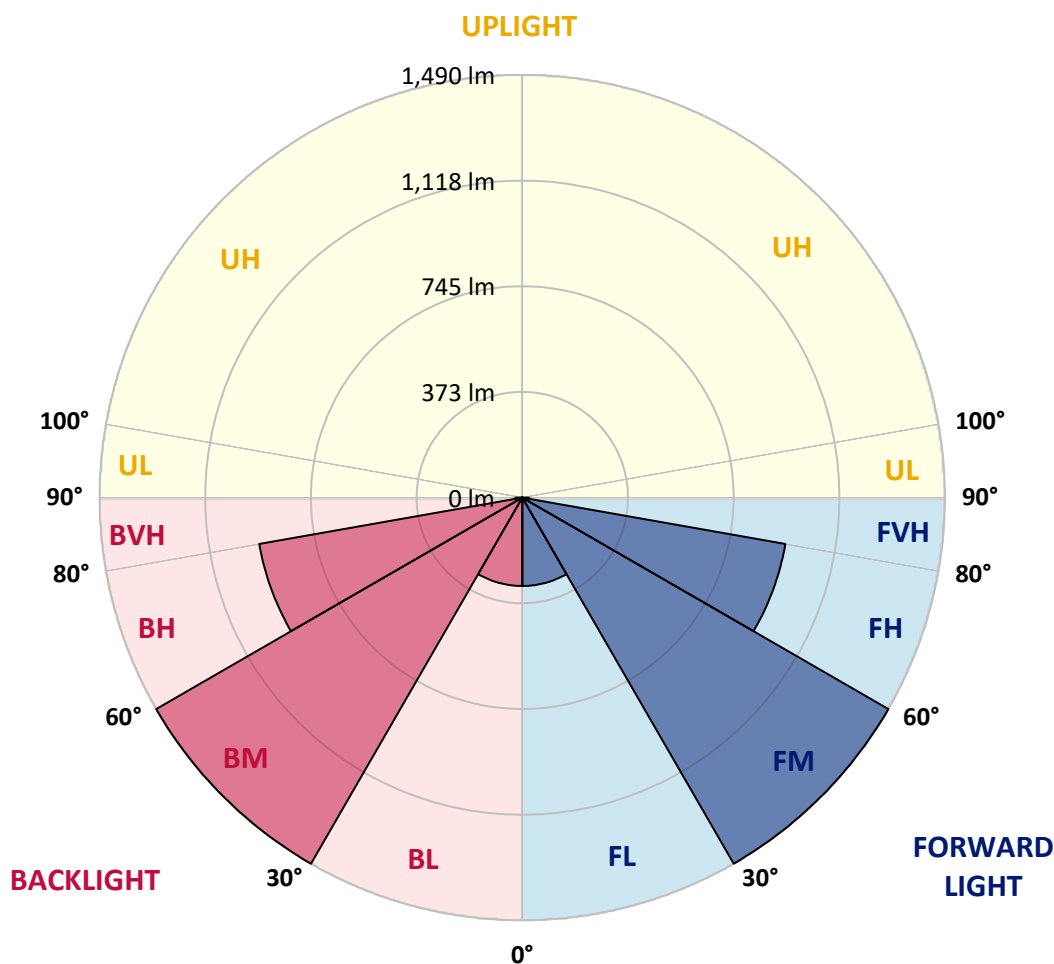
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.4	5.6			
FM (30°-60°)	1490.0	26.9			
FH (60°-80°)	941.6	17.0			G1/1800
FVH (80°-90°)	24.0	0.4			G1/100
BL (0°-30°)	311.4	5.6	B1/500		
BM (30°-60°)	1490.0	26.9	B2/2500		
BH (60°-80°)	941.6	17.0	B2/1000		G2/1000
BVH (80°-90°)	24.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6
2.5°	576.7	577.3	577.9	578.7	579.9	581.7	582.9	583.8	586.2	586.5	586.2
5°	574.6	575.2	576.7	579.3	583.2	588.5	592.7	597.7	601.6	604.2	603.7
7.5°	574.3	575.5	577.9	583.5	590.9	600.1	609.6	618.2	625.6	631.5	630.6
10°	579.0	580.5	584.4	592.7	604.2	617.6	630.9	643.7	654.4	662.1	664.7
12.5°	587.0	588.2	595.4	607.8	624.4	641.0	656.1	671.8	686.7	699.7	699.7
15°	601.0	603.1	612.0	630.0	650.5	669.8	685.2	701.8	717.8	732.6	737.1
17.5°	620.3	623.2	636.6	659.7	685.8	703.6	718.1	731.7	745.7	759.9	762.0
20°	646.6	649.6	667.4	695.3	726.1	747.5	757.2	760.5	767.3	781.0	782.7
22.5°	682.5	685.5	705.3	736.8	771.2	794.3	798.4	790.7	789.0	799.6	800.8
25°	723.1	725.8	748.6	782.4	818.0	843.2	842.0	823.1	812.4	818.9	820.7
27.5°	768.8	772.7	795.8	830.8	869.3	891.5	888.0	860.4	837.6	836.4	837.0
30°	827.2	831.4	853.3	886.8	924.8	945.2	937.8	900.7	865.5	853.6	853.6
32.5°	888.9	899.3	921.5	956.5	986.1	1000.9	989.7	945.2	898.4	881.8	880.9
35°	969.2	974.9	996.8	1030.9	1053.1	1064.7	1043.1	995.3	941.4	921.8	919.1
37.5°	1047.8	1052.5	1078.0	1110.7	1137.6	1137.0	1107.7	1054.9	994.7	972.8	971.0
40°	1128.1	1133.2	1162.2	1192.2	1219.2	1216.8	1181.2	1122.2	1058.2	1033.6	1038.3
42.5°	1197.8	1203.5	1236.4	1279.1	1303.4	1302.8	1261.6	1195.2	1128.4	1106.5	1110.7
45°	1261.3	1266.3	1304.6	1353.5	1389.1	1393.5	1348.4	1278.2	1209.7	1181.5	1182.7
47.5°	1306.0	1315.5	1355.6	1411.6	1459.9	1475.6	1431.5	1362.7	1283.8	1254.4	1256.2
50°	1340.1	1346.1	1389.6	1453.4	1514.5	1547.1	1511.5	1440.9	1357.9	1326.8	1330.9
52.5°	1344.3	1351.4	1398.8	1472.4	1550.6	1600.2	1582.7	1517.4	1433.5	1401.5	1410.4
55°	1310.5	1314.6	1371.3	1460.5	1564.9	1639.6	1644.0	1588.6	1505.6	1481.3	1487.2
57.5°	1214.1	1224.8	1296.6	1405.1	1545.3	1660.6	1690.0	1653.2	1578.5	1554.5	1564.0
60°	1056.1	1066.8	1138.8	1276.4	1471.5	1650.9	1727.9	1710.5	1644.6	1625.4	1630.4
62.5°	827.5	826.6	915.9	1084.6	1324.7	1602.8	1756.1	1765.6	1709.9	1685.5	1693.3
65°	536.4	539.0	625.3	807.0	1103.2	1480.7	1762.3	1835.9	1773.9	1737.1	1742.8
66°	431.4	439.4	512.6	680.1	990.3	1400.6	1743.7	1856.6	1793.5	1749.0	1751.7
67.5°	318.4	316.9	377.1	506.4	790.7	1248.5	1685.2	1869.7	1815.7	1759.7	1760.9
70°	181.7	181.5	202.8	278.1	464.9	879.1	1420.5	1807.1	1860.8	1798.2	1794.9
72.5°	132.8	131.9	134.9	153.6	226.8	443.8	979.9	1579.4	1837.6	1792.0	1782.8
75°	111.5	110.9	110.3	112.7	127.2	201.0	520.0	1136.1	1594.5	1682.0	1672.5
77.5°	91.0	91.0	91.3	90.7	91.3	105.8	215.5	609.0	971.0	1084.0	1110.4
80°	71.2	70.9	75.9	73.8	69.1	67.9	95.5	196.0	322.3	320.5	264.5
82.5°	52.5	48.9	57.8	56.3	51.0	43.3	55.7	83.6	107.6	70.0	51.9
85°	33.2	32.9	40.9	37.4	31.1	20.5	26.7	35.9	44.5	27.0	21.9
87.5°	5.9	5.6	13.0	9.5	9.5	5.9	7.4	9.8	14.5	10.1	7.4
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)