

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: P458663

Luminaire Tested: **GALN-SA2B-735-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458663
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-SA2B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10998 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

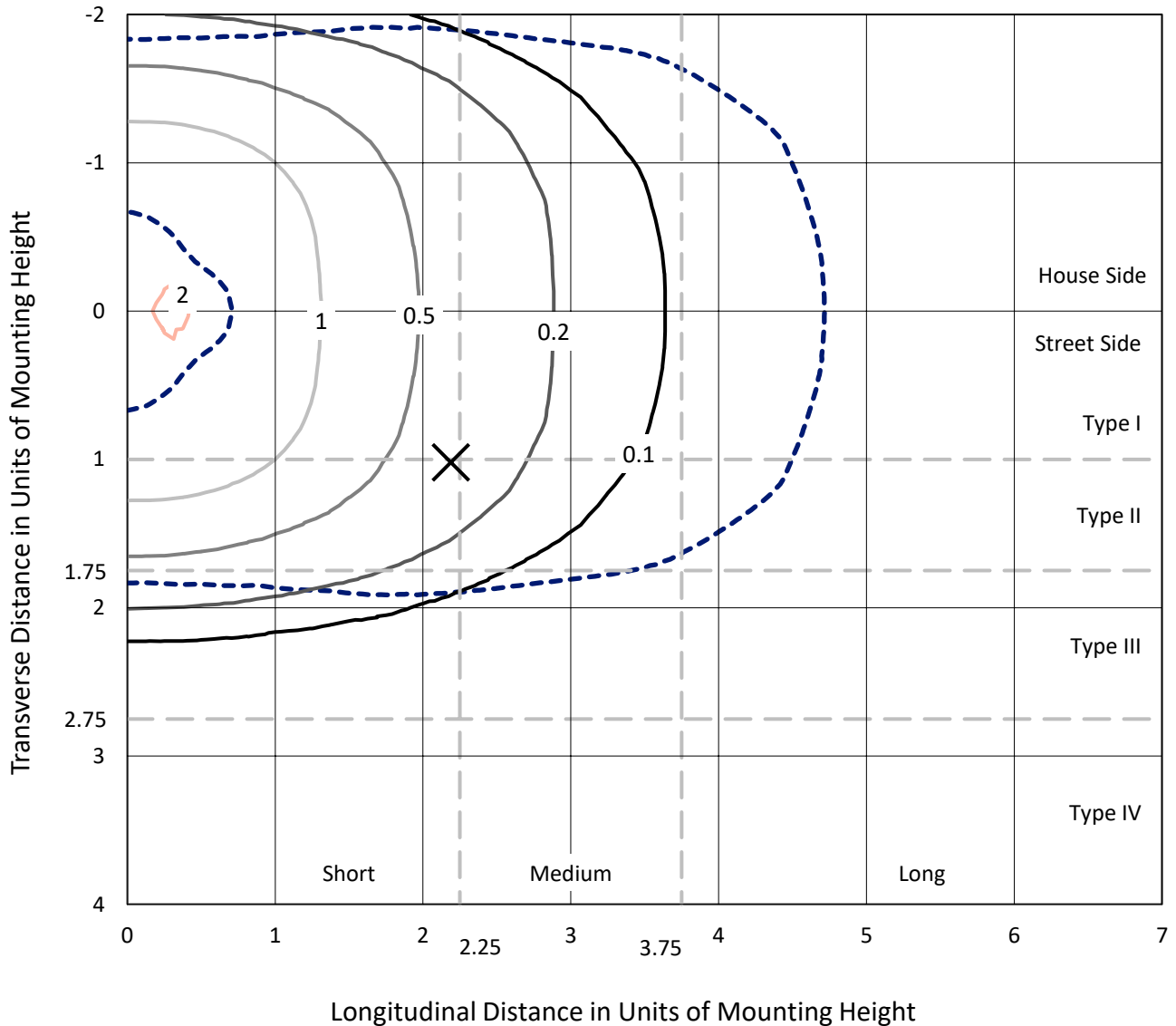
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

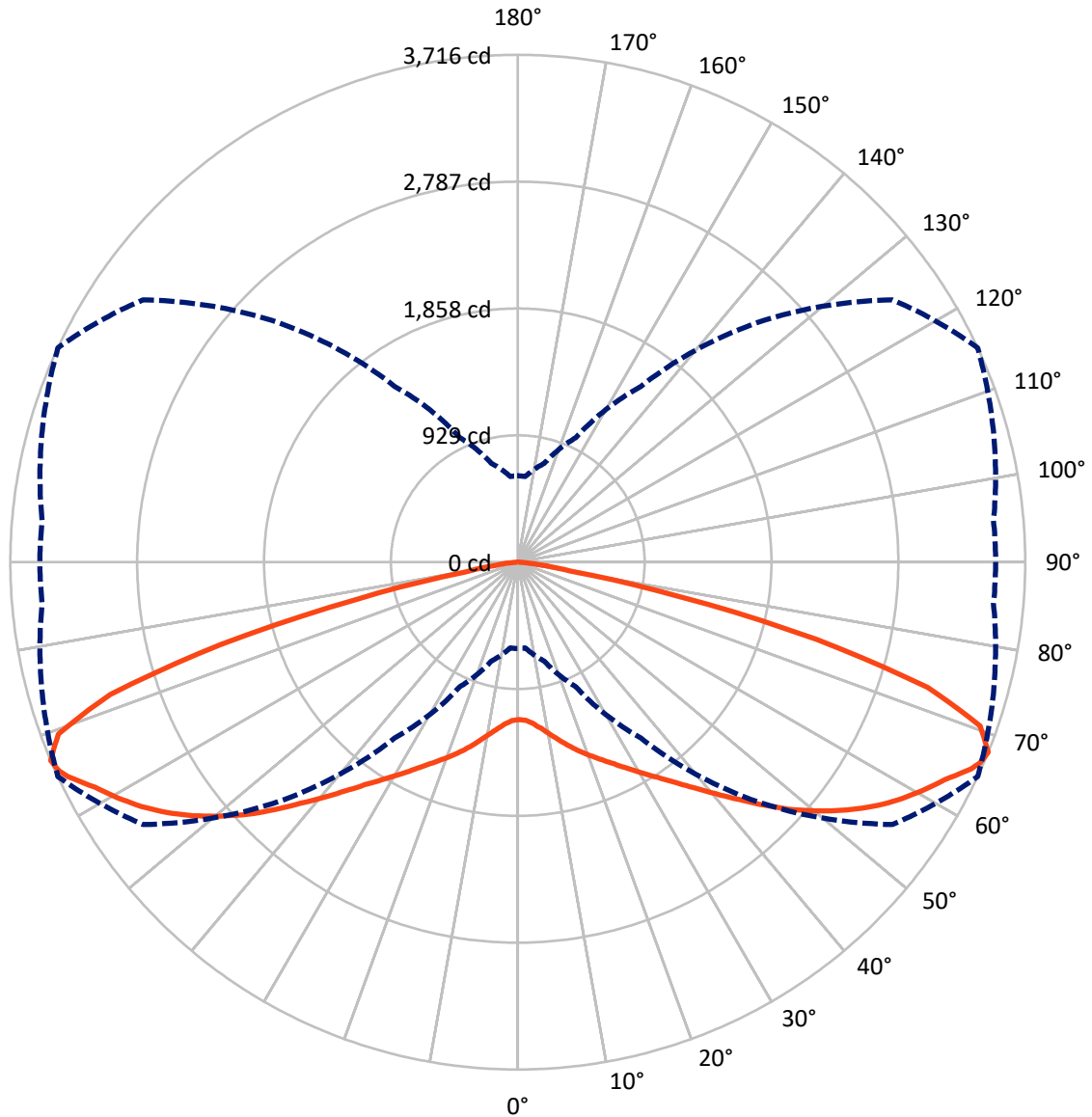
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	5499.0	0.0	5499.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5499.0	0.0	5499.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10998.0	0.0	10998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	1.0
10°-20°	380.3	3.5
20°-30°	743.8	6.8
30°-40°	1265.1	11.5
40°-50°	2002.3	18.2
50°-60°	2655.0	24.1
60°-70°	2504.5	22.8
70°-80°	1238.1	11.3
80°-90°	95.4	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°	10998.0	100.0
0°-180°	10998.0	100.0

Coefficient of Utilization



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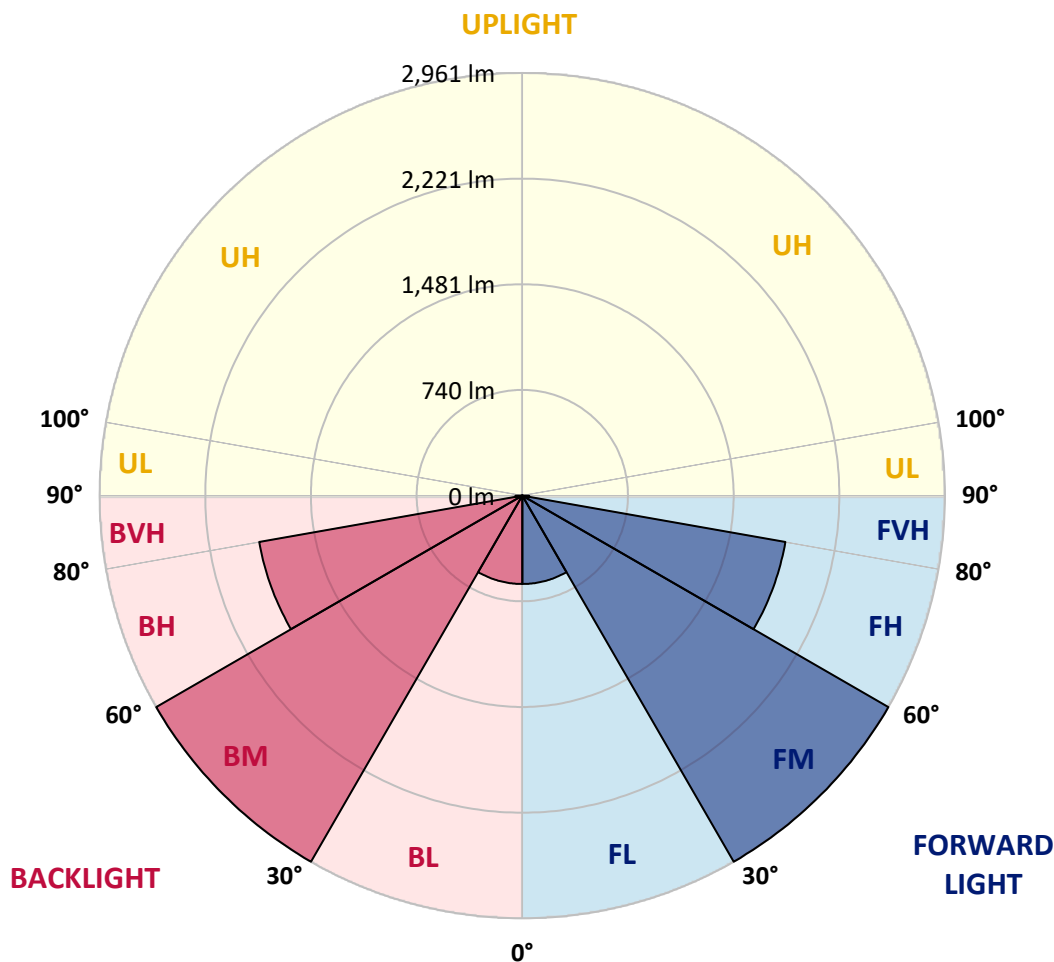
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	618.8	5.6			
FM	(30°-60°)	2961.2	26.9			
FH	(60°-80°)	1871.3	17.0			G2/5000
FVH	(80°-90°)	47.7	0.4			G1/100
BL	(0°-30°)	618.8	5.6	B2/1000		
BM	(30°-60°)	2961.2	26.9	B3/5000		
BH	(60°-80°)	1871.3	17.0	B3/2500		G3/2500
BVH	(80°-90°)	47.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1151.9	1151.9	1151.9	1151.9	1151.9	1151.9	1151.9	1151.9	1151.9	1151.9	1151.9
2.5°	1146.1	1147.2	1148.4	1150.2	1152.5	1156.1	1158.4	1160.2	1164.9	1165.5	1164.9
5°	1141.9	1143.1	1146.1	1151.4	1159.0	1169.6	1177.9	1187.9	1195.5	1200.8	1199.7
7.5°	1141.3	1143.7	1148.4	1159.6	1174.3	1192.6	1211.5	1228.5	1243.3	1255.1	1253.3
10°	1150.8	1153.7	1161.4	1177.9	1200.8	1227.4	1253.9	1279.2	1300.4	1315.7	1321.1
12.5°	1166.7	1169.0	1183.2	1207.9	1240.9	1273.9	1304.0	1335.2	1364.7	1390.6	1390.6
15°	1194.4	1198.5	1216.2	1252.1	1292.8	1331.1	1361.7	1394.7	1426.5	1456.0	1464.8
17.5°	1232.7	1238.6	1265.1	1311.0	1362.9	1398.2	1427.1	1454.2	1481.9	1510.2	1514.3
20°	1285.1	1291.0	1326.4	1381.7	1443.0	1485.4	1504.9	1511.4	1524.9	1552.0	1555.6
22.5°	1356.4	1362.3	1401.8	1464.2	1532.6	1578.5	1586.8	1571.5	1567.9	1589.2	1591.5
25°	1437.1	1442.4	1487.8	1555.0	1625.7	1675.8	1673.4	1635.7	1614.5	1627.5	1631.0
27.5°	1527.9	1535.5	1581.5	1651.0	1727.6	1771.8	1764.7	1709.9	1664.6	1662.2	1663.4
30°	1644.0	1652.2	1695.8	1762.4	1837.8	1878.5	1863.7	1790.1	1720.0	1696.4	1696.4
32.5°	1766.5	1787.1	1831.3	1900.9	1959.8	1989.2	1966.8	1878.5	1785.4	1752.4	1750.6
35°	1926.2	1937.4	1981.0	2048.8	2092.9	2115.9	2072.9	1978.0	1870.8	1831.9	1826.6
37.5°	2082.3	2091.8	2142.4	2207.3	2260.9	2259.7	2201.4	2096.5	1976.9	1933.3	1929.7
40°	2242.0	2252.0	2309.8	2369.3	2422.9	2418.2	2347.5	2230.2	2103.0	2054.1	2063.5
42.5°	2380.5	2391.7	2457.1	2541.9	2590.3	2589.1	2507.2	2375.2	2242.6	2199.0	2207.3
45°	2506.6	2516.6	2592.6	2689.8	2760.5	2769.4	2679.8	2540.2	2404.1	2348.1	2350.4
47.5°	2595.6	2614.4	2694.0	2805.3	2901.4	2932.6	2844.8	2708.1	2551.4	2493.0	2496.6
50°	2663.3	2675.1	2761.7	2888.4	3009.8	3074.6	3003.9	2863.7	2698.7	2636.8	2645.1
52.5°	2671.6	2685.7	2780.0	2926.1	3081.7	3180.1	3145.3	3015.7	2848.9	2785.3	2803.0
55°	2604.4	2612.6	2725.2	2902.5	3110.0	3258.4	3267.3	3157.1	2992.1	2943.8	2955.6
57.5°	2412.9	2434.1	2576.7	2792.4	3071.1	3300.3	3358.6	3285.5	3137.1	3089.3	3108.2
60°	2098.8	2120.0	2263.2	2536.6	2924.3	3280.8	3434.0	3399.3	3268.5	3230.2	3240.2
62.5°	1644.5	1642.8	1820.1	2155.4	2632.7	3185.4	3490.0	3508.9	3398.1	3349.8	3365.1
65°	1065.9	1071.2	1242.7	1603.9	2192.5	2942.6	3502.4	3648.5	3525.4	3452.3	3463.5
66°	857.3	873.2	1018.8	1351.7	1968.0	2783.5	3465.3	3689.8	3564.2	3475.9	3481.2
67.5°	632.8	629.9	749.5	1006.4	1571.5	2481.2	3349.2	3715.7	3608.4	3497.1	3499.4
70°	361.2	360.6	403.0	552.7	923.9	1747.1	2823.0	3591.4	3698.0	3573.7	3567.2
72.5°	264.0	262.2	268.1	305.2	450.8	882.1	1947.4	3138.8	3652.0	3561.3	3543.0
75°	221.6	220.4	219.2	223.9	252.8	399.5	1033.5	2257.9	3168.9	3342.7	3323.8
77.5°	180.9	180.9	181.5	180.3	181.5	210.4	428.4	1210.3	1929.7	2154.2	2206.7
80°	141.4	140.8	150.8	146.7	137.3	134.9	189.7	389.5	640.5	637.0	525.6
82.5°	104.3	97.2	114.9	112.0	101.3	86.0	110.8	166.2	213.9	139.1	103.1
85°	66.0	65.4	81.3	74.2	61.9	40.7	53.0	71.3	88.4	53.6	43.6
87.5°	11.8	11.2	25.9	18.9	18.9	11.8	14.7	19.4	28.9	20.0	14.7
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)