

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: P527961

Luminaire Tested: **GALN-SA3A-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7632 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

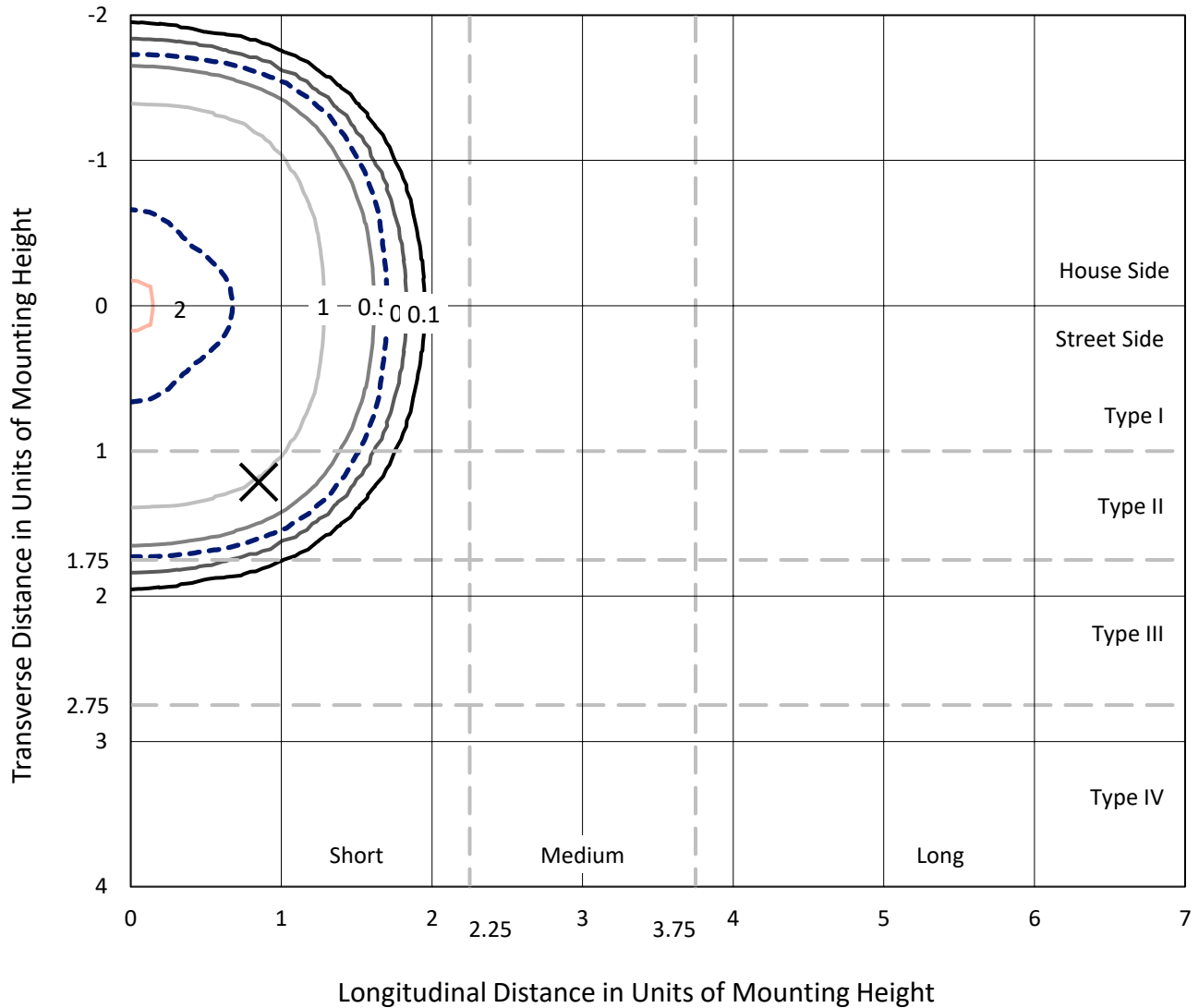
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

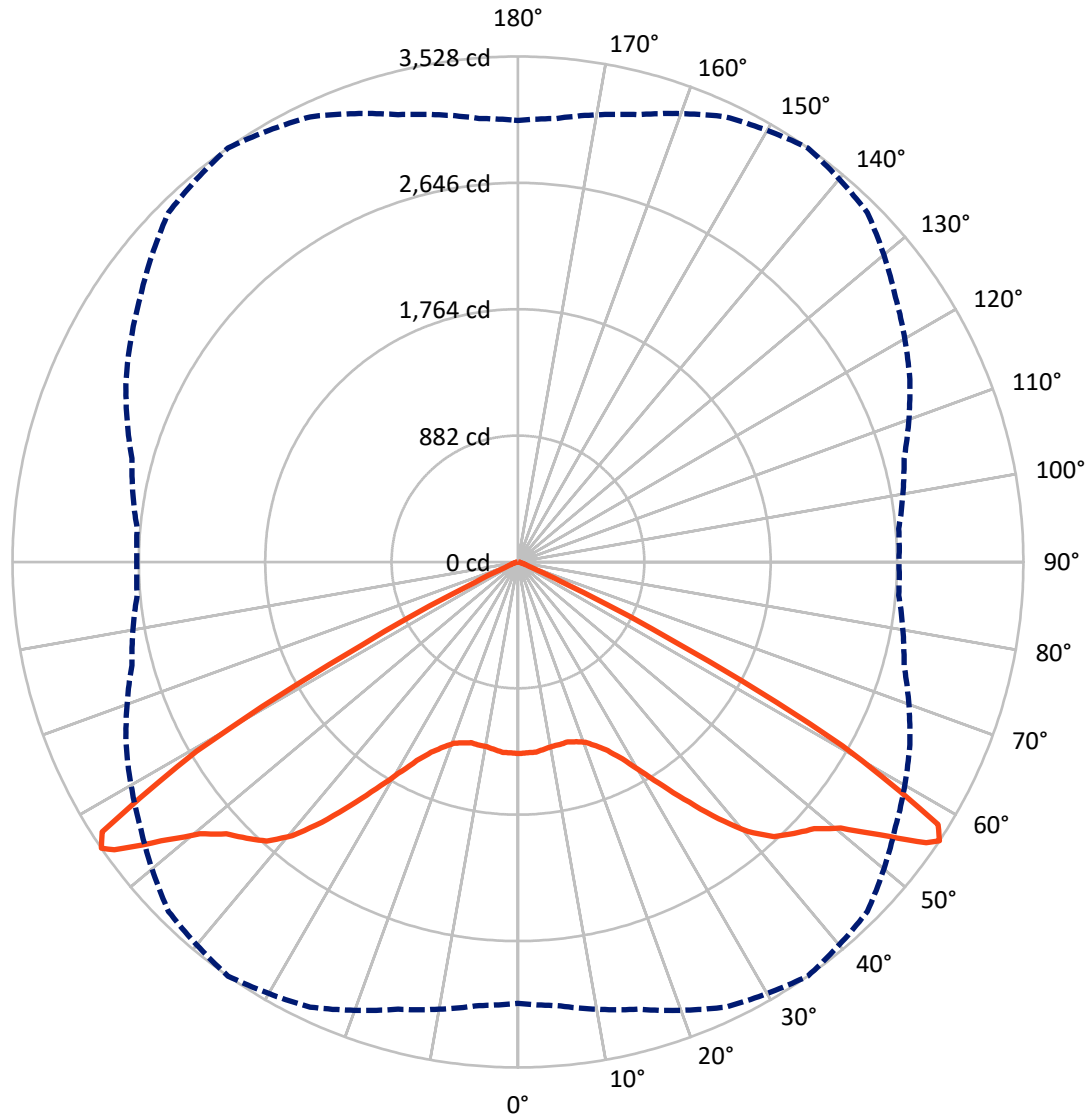
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3816.0	0.0	3816.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3816.0	0.0	3816.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7632.0	0.0	7632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	1.6
10°-20°	366.9	4.8
20°-30°	664.5	8.7
30°-40°	1232.2	16.1
40°-50°	2022.5	26.5
50°-60°	2605.6	34.1
60°-70°	574.3	7.5
70°-80°	33.3	0.4
80°-90°	7.0	0.1
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°	7632.0	100.0
0°-180°	7632.0	100.0

Coefficient of Utilization



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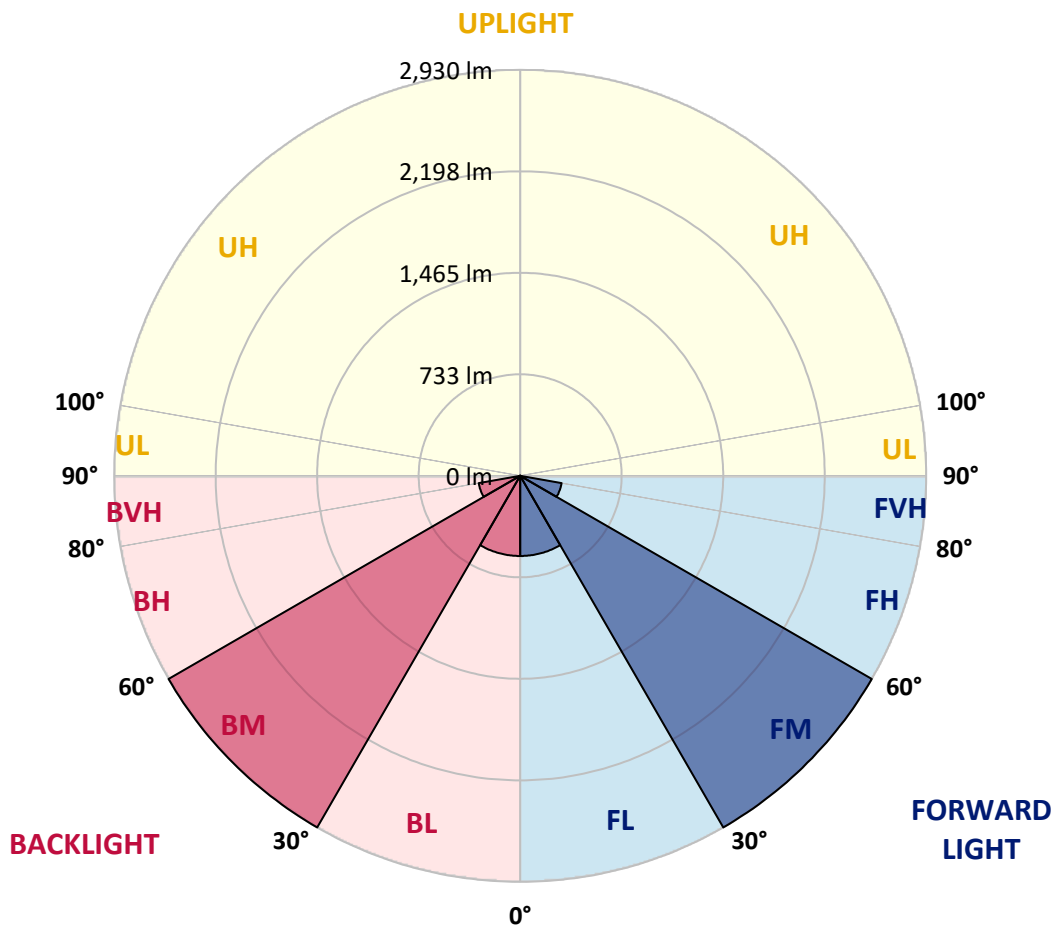
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.5	7.6			
FM (30°-60°)	2930.2	38.4			
FH (60°-80°)	303.8	4.0			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	578.5	7.6	B2/1000		
BM (30°-60°)	2930.2	38.4	B3/5000		
BH (60°-80°)	303.8	4.0	B1/500		G0/660
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1337.3	1337.3	1337.3	1337.3	1337.3	1337.3	1337.3	1337.3	1337.3	1337.3	1337.3
2.5°	1340.1	1340.1	1341.4	1342.8	1333.1	1329.0	1330.4	1327.6	1326.2	1330.4	1330.4
5°	1335.9	1335.9	1331.8	1333.1	1333.1	1320.7	1320.7	1323.5	1323.5	1315.2	1312.4
7.5°	1324.8	1322.1	1316.5	1323.5	1319.3	1319.3	1309.6	1302.7	1300.0	1305.5	1300.0
10°	1301.3	1302.7	1308.2	1311.0	1308.2	1316.5	1300.0	1290.3	1280.6	1276.4	1276.4
12.5°	1290.3	1298.6	1290.3	1297.2	1306.9	1300.0	1290.3	1283.4	1269.5	1264.0	1264.0
15°	1288.9	1294.4	1297.2	1306.9	1302.7	1305.5	1286.1	1277.8	1257.1	1247.4	1243.3
17.5°	1287.5	1294.4	1298.6	1316.5	1319.3	1320.7	1305.5	1280.6	1262.6	1252.9	1243.3
20°	1302.7	1305.5	1313.8	1331.8	1342.8	1362.2	1334.5	1308.2	1269.5	1258.5	1254.3
22.5°	1322.1	1335.9	1344.2	1363.6	1392.6	1409.2	1373.2	1340.1	1300.0	1286.1	1269.5
25°	1384.3	1381.5	1395.4	1435.5	1459.0	1471.4	1442.4	1394.0	1341.4	1324.8	1327.6
27.5°	1461.8	1464.5	1477.0	1521.2	1555.8	1575.2	1540.6	1477.0	1425.8	1398.1	1395.4
30°	1562.7	1559.9	1573.8	1633.2	1695.5	1724.5	1663.7	1589.0	1539.2	1503.2	1511.5
32.5°	1669.2	1670.6	1709.3	1763.2	1864.2	1920.9	1822.7	1731.4	1656.7	1631.9	1619.4
35°	1826.8	1833.8	1864.2	1947.2	2059.2	2132.5	2024.6	1915.4	1829.6	1784.0	1789.5
37.5°	2021.8	2014.9	2066.1	2156.0	2273.5	2327.5	2236.2	2111.7	2024.6	1994.2	2013.5
40°	2229.3	2236.2	2262.5	2344.1	2475.4	2511.4	2375.9	2308.1	2232.0	2216.8	2240.3
42.5°	2436.7	2432.6	2451.9	2525.2	2620.6	2595.8	2515.5	2475.4	2421.5	2391.1	2422.9
45°	2588.8	2581.9	2617.9	2667.7	2702.2	2655.2	2619.3	2605.4	2577.8	2544.6	2573.6
47.5°	2736.8	2731.3	2765.9	2779.7	2782.4	2720.2	2727.1	2752.0	2682.9	2613.7	2646.9
50°	2862.7	2853.0	2895.8	2926.3	2919.4	2819.8	2844.7	2819.8	2711.9	2630.3	2617.9
52.5°	3072.9	3077.0	3122.6	3178.0	3161.4	3078.4	3042.4	2929.0	2790.7	2717.5	2674.6
55°	3205.6	3184.9	3263.7	3439.3	3458.7	3373.0	3213.9	3046.6	2839.1	2749.3	2738.2
56°	3081.2	3107.4	3231.9	3428.3	3527.8	3449.0	3218.1	3017.5	2789.4	2667.7	2659.4
57.5°	2764.5	2750.6	2919.4	3187.6	3458.7	3425.5	3104.7	2810.1	2544.6	2407.7	2391.1
60°	1720.4	1760.5	1908.4	2240.3	2602.7	2619.3	2301.2	2048.1	1738.3	1616.6	1645.7
62.5°	673.5	638.9	731.6	979.1	1228.0	1283.4	1163.0	966.7	793.8	673.5	665.2
65°	156.3	152.1	171.5	236.5	330.5	383.1	363.7	261.4	192.2	182.5	168.7
67.5°	88.5	88.5	84.4	84.4	92.7	98.2	94.0	92.7	96.8	101.0	99.6
70°	62.2	60.8	58.1	59.5	56.7	56.7	60.8	67.8	73.3	73.3	74.7
72.5°	37.3	37.3	37.3	41.5	41.5	41.5	45.6	51.2	52.6	51.2	49.8
75°	16.6	16.6	19.4	23.5	26.3	27.7	31.8	34.6	37.3	34.6	31.8
77.5°	4.1	4.1	6.9	9.7	12.4	15.2	20.7	24.9	26.3	24.9	20.7
80°	1.4	1.4	2.8	6.9	12.4	15.2	20.7	22.1	23.5	20.7	16.6
82.5°	1.4	1.4	2.8	6.9	9.7	12.4	16.6	19.4	20.7	18.0	16.6
85°	0.0	1.4	2.8	5.5	8.3	11.1	11.1	8.3	6.9	4.1	5.5
87.5°	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)