

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: P527935

Luminaire Tested: **GALN-SA3A-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527935
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-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 7462 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

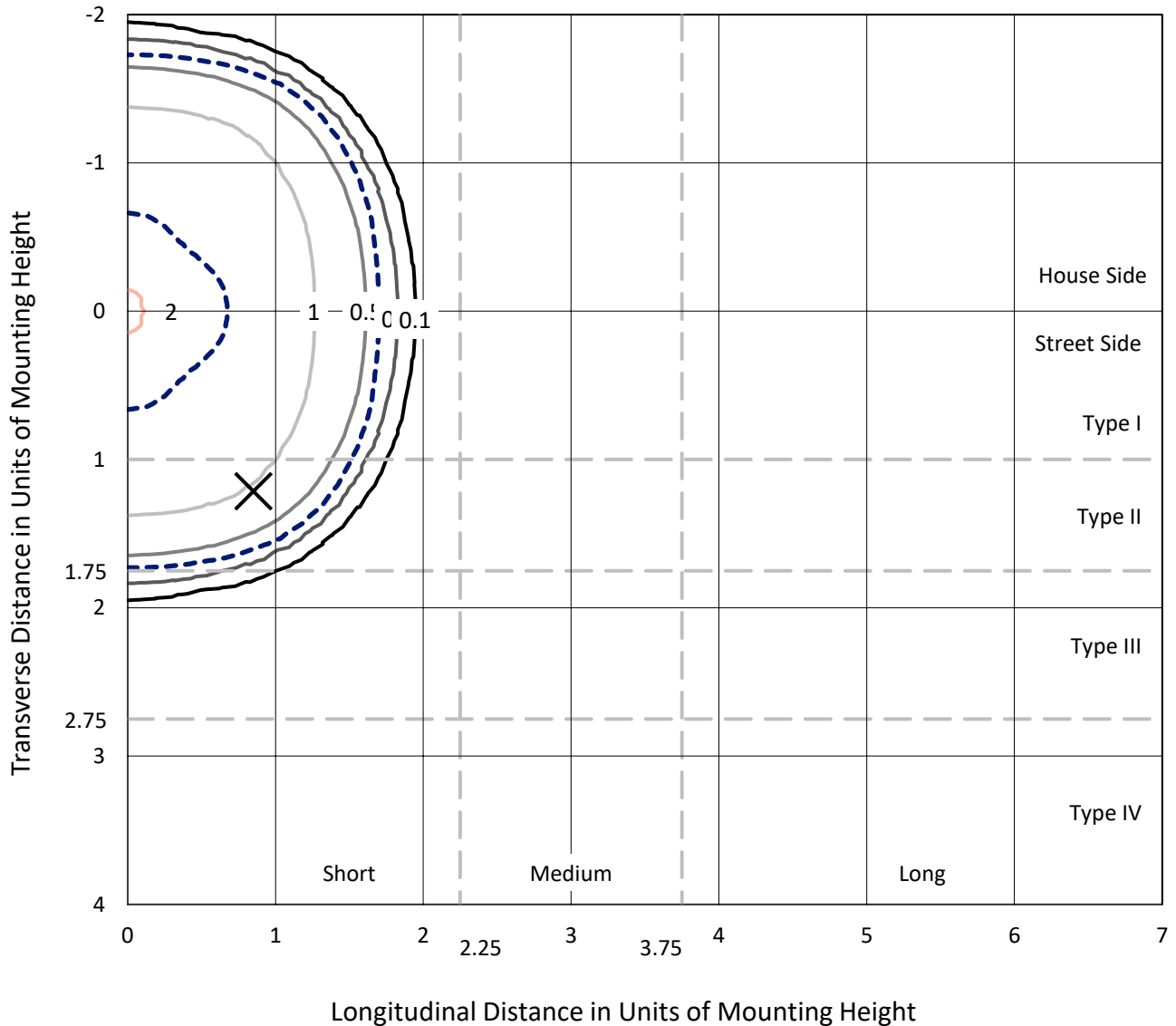
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

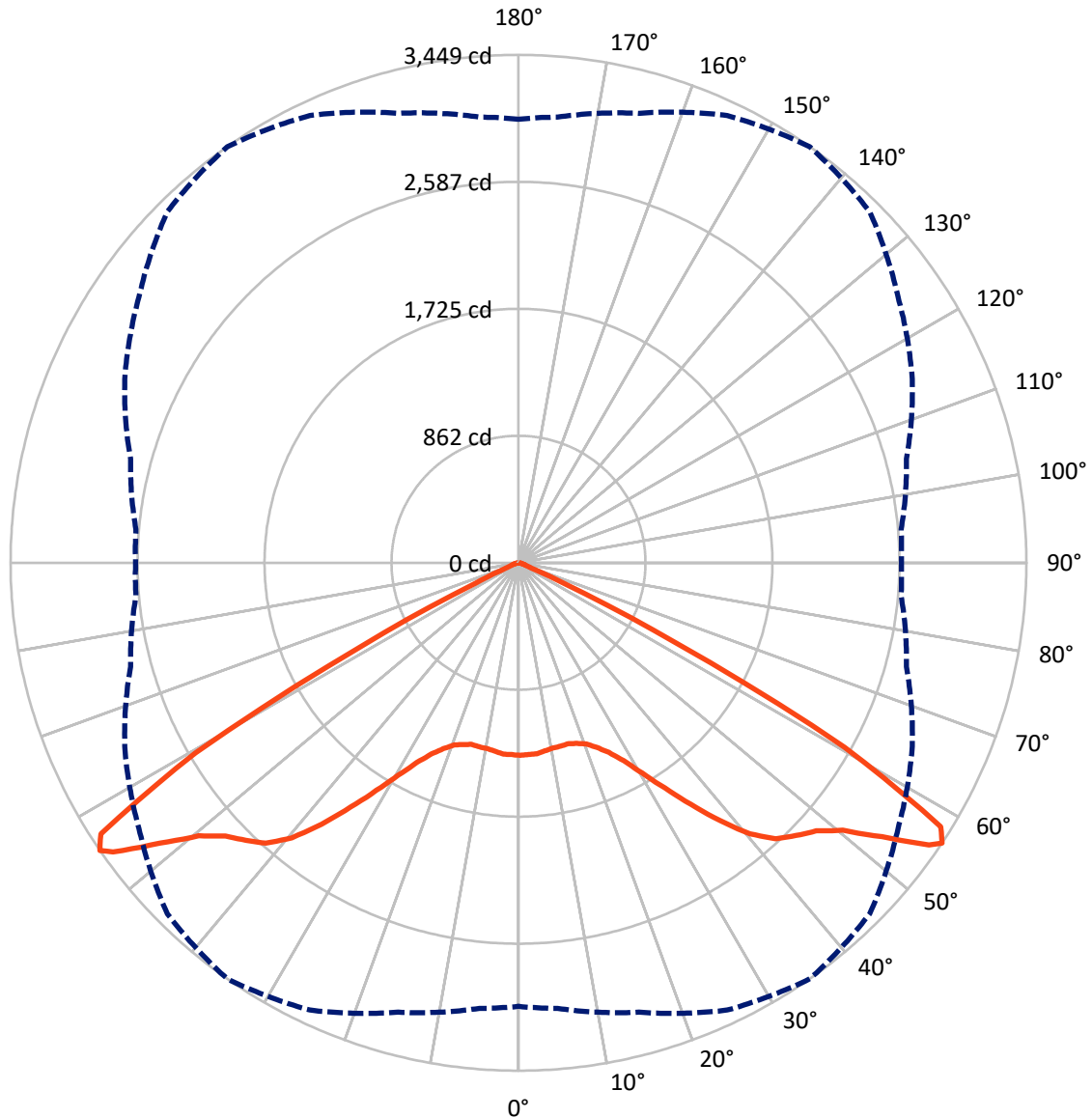
× Max cd
 - - - 1/2 Max cd



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	3731.0	0.0	3731.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3731.0	0.0	3731.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7462.0	0.0	7462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	1.6
10°-20°	358.8	4.8
20°-30°	649.7	8.7
30°-40°	1204.7	16.1
40°-50°	1977.5	26.5
50°-60°	2547.6	34.1
60°-70°	561.5	7.5
70°-80°	32.6	0.4
80°-90°	6.9	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°	7462.0	100.0
0°-180°	7462.0	100.0

Coefficient of Utilization



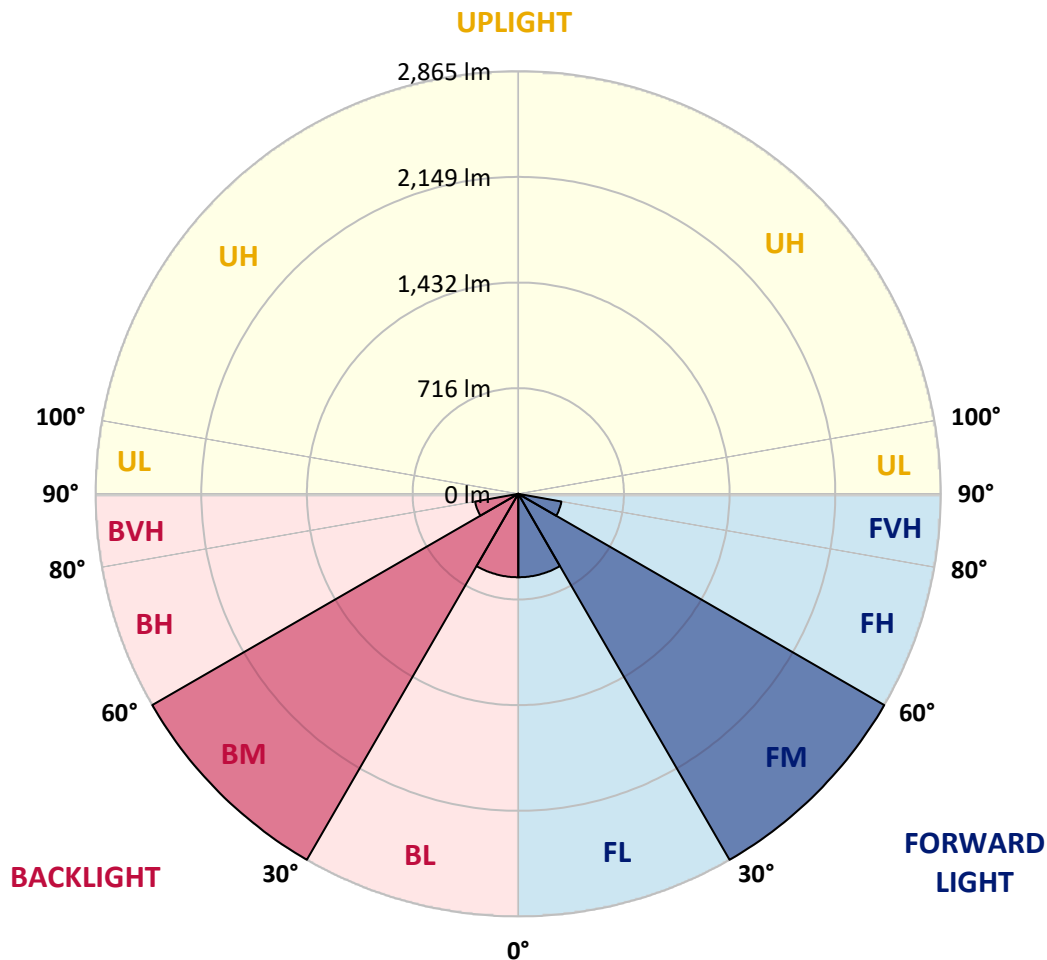
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	565.7	7.6			
FM (30°-60°)	2864.9	38.4			
FH (60°-80°)	297.0	4.0			G0/660
FVH (80°-90°)	3.4	0.0			G0/10
BL (0°-30°)	565.7	7.6	B2/1000		
BM (30°-60°)	2864.9	38.4	B3/5000		
BH (60°-80°)	297.0	4.0	B1/500		G0/660
BVH (80°-90°)	3.4	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°	1307.5	1307.5	1307.5	1307.5	1307.5	1307.5	1307.5	1307.5	1307.5	1307.5	1307.5
2.5°	1310.2	1310.2	1311.6	1312.9	1303.4	1299.4	1300.7	1298.0	1296.7	1300.7	1300.7
5°	1306.2	1306.2	1302.1	1303.4	1303.4	1291.3	1291.3	1294.0	1294.0	1285.9	1283.2
7.5°	1295.3	1292.6	1287.2	1294.0	1289.9	1289.9	1280.5	1273.7	1271.0	1276.4	1271.0
10°	1272.3	1273.7	1279.1	1281.8	1279.1	1287.2	1271.0	1261.5	1252.1	1248.0	1248.0
12.5°	1261.5	1269.6	1261.5	1268.3	1277.8	1271.0	1261.5	1254.8	1241.2	1235.8	1235.8
15°	1260.2	1265.6	1268.3	1277.8	1273.7	1276.4	1257.5	1249.4	1229.1	1219.6	1215.6
17.5°	1258.8	1265.6	1269.6	1287.2	1289.9	1291.3	1276.4	1252.1	1234.5	1225.0	1215.6
20°	1273.7	1276.4	1284.5	1302.1	1312.9	1331.8	1304.8	1279.1	1241.2	1230.4	1226.4
22.5°	1292.6	1306.2	1314.3	1333.2	1361.6	1377.8	1342.7	1310.2	1271.0	1257.5	1241.2
25°	1353.5	1350.8	1364.3	1403.5	1426.5	1438.7	1410.3	1362.9	1311.6	1295.3	1298.0
27.5°	1429.2	1431.9	1444.1	1487.3	1521.1	1540.1	1506.3	1444.1	1394.0	1367.0	1364.3
30°	1527.9	1525.2	1538.7	1596.9	1657.7	1686.1	1626.6	1553.6	1504.9	1469.8	1477.9
32.5°	1632.0	1633.4	1671.2	1724.0	1822.7	1878.1	1782.1	1692.9	1619.8	1595.5	1583.3
35°	1786.2	1792.9	1822.7	1903.8	2013.3	2085.0	1979.5	1872.7	1788.9	1744.2	1749.6
37.5°	1976.8	1970.0	2020.1	2108.0	2222.9	2275.6	2186.4	2064.7	1979.5	1949.8	1968.7
40°	2179.6	2186.4	2212.1	2291.8	2420.3	2455.5	2322.9	2256.7	2182.3	2167.5	2190.4
42.5°	2382.4	2378.4	2397.3	2469.0	2562.3	2537.9	2459.5	2420.3	2367.6	2337.8	2368.9
45°	2531.2	2524.4	2559.6	2608.2	2642.0	2596.1	2560.9	2547.4	2520.4	2487.9	2516.3
47.5°	2675.9	2670.4	2704.2	2717.8	2720.5	2659.6	2666.4	2690.7	2623.1	2555.5	2588.0
50°	2798.9	2789.4	2831.3	2861.1	2854.3	2757.0	2781.3	2757.0	2651.5	2571.7	2559.6
52.5°	3004.4	3008.5	3053.1	3107.2	3091.0	3009.8	2974.7	2863.8	2728.6	2656.9	2615.0
55°	3134.2	3113.9	3191.0	3362.7	3381.7	3297.8	3142.3	2978.7	2775.9	2688.0	2677.2
56°	3012.5	3038.2	3159.9	3351.9	3449.3	3372.2	3146.4	2950.3	2727.2	2608.2	2600.1
57.5°	2702.9	2689.4	2854.3	3116.6	3381.7	3349.2	3035.5	2747.5	2487.9	2354.0	2337.8
60°	1682.0	1721.3	1865.9	2190.4	2544.7	2560.9	2249.9	2002.5	1699.6	1580.6	1609.0
62.5°	658.5	624.7	715.3	957.3	1200.7	1254.8	1137.1	945.1	776.1	658.5	650.4
65°	152.8	148.7	167.7	231.2	323.2	374.5	355.6	255.6	187.9	178.5	165.0
67.5°	86.5	86.5	82.5	82.5	90.6	96.0	91.9	90.6	94.6	98.7	97.4
70°	60.8	59.5	56.8	58.1	55.4	55.4	59.5	66.3	71.7	71.7	73.0
72.5°	36.5	36.5	36.5	40.6	40.6	40.6	44.6	50.0	51.4	50.0	48.7
75°	16.2	16.2	18.9	23.0	25.7	27.0	31.1	33.8	36.5	33.8	31.1
77.5°	4.1	4.1	6.8	9.5	12.2	14.9	20.3	24.3	25.7	24.3	20.3
80°	1.4	1.4	2.7	6.8	12.2	14.9	20.3	21.6	23.0	20.3	16.2
82.5°	1.4	1.4	2.7	6.8	9.5	12.2	16.2	18.9	20.3	17.6	16.2
85°	0.0	1.4	2.7	5.4	8.1	10.8	10.8	8.1	6.8	4.1	5.4
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)