

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: P527937

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8541 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

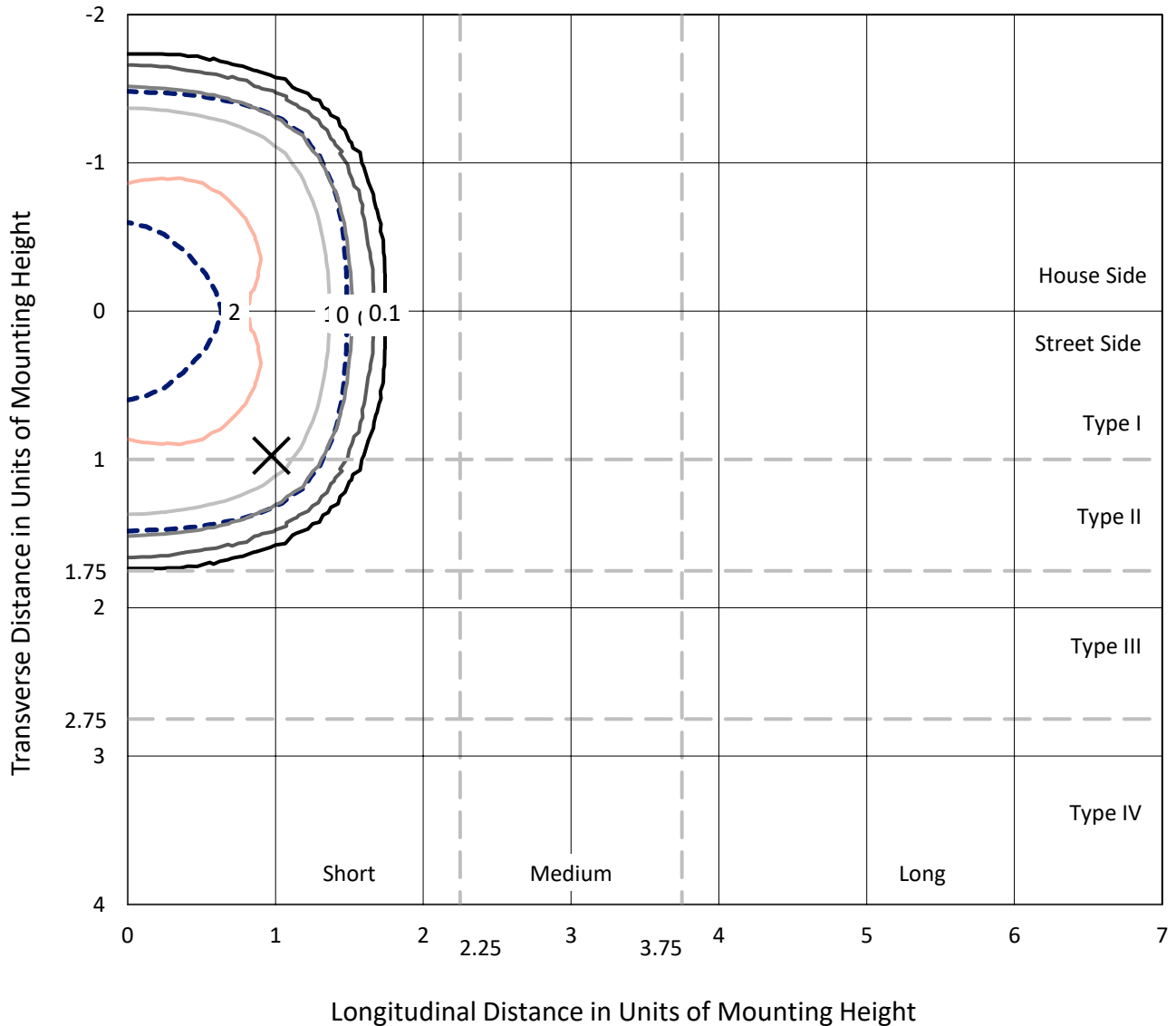
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

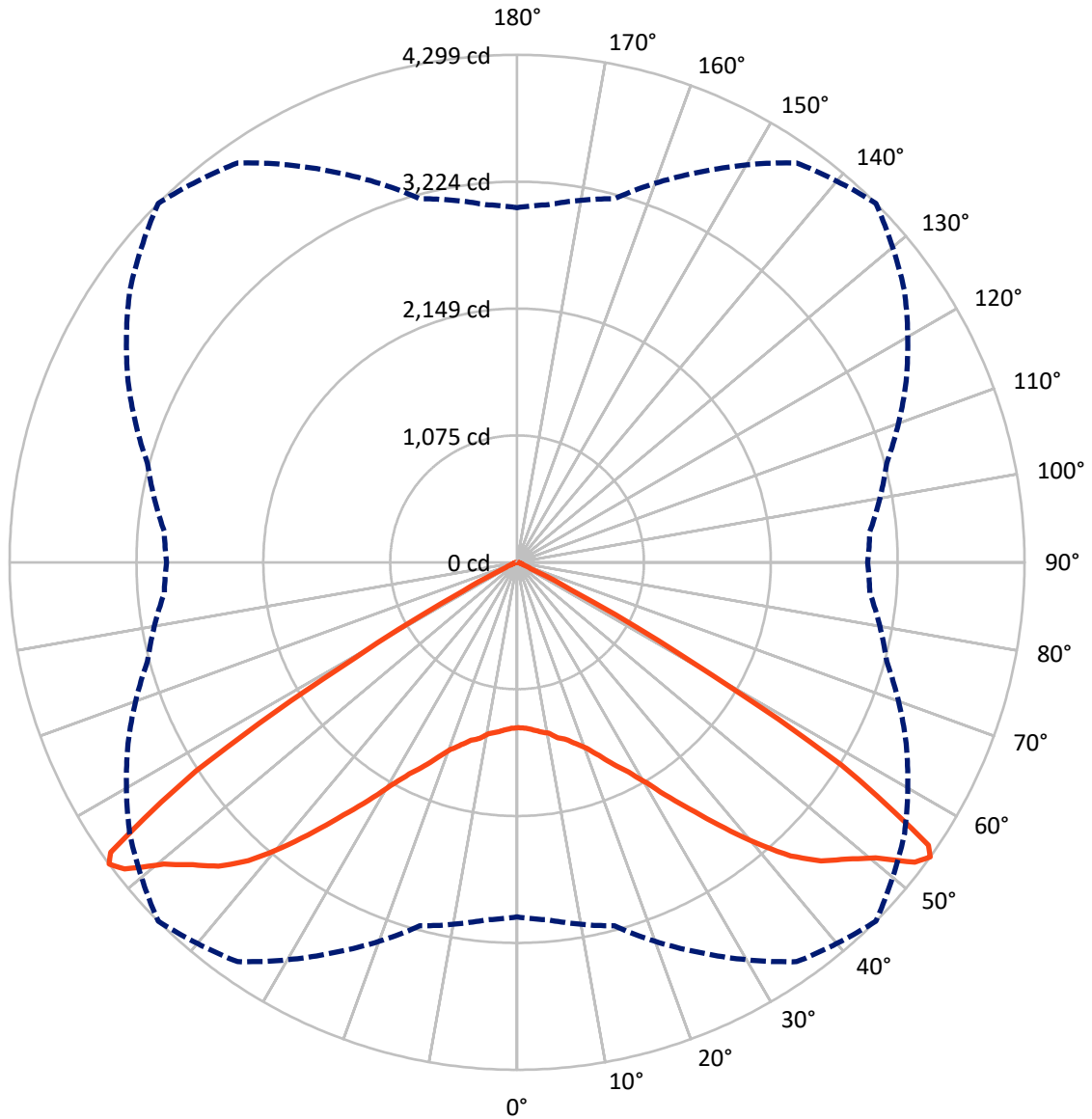
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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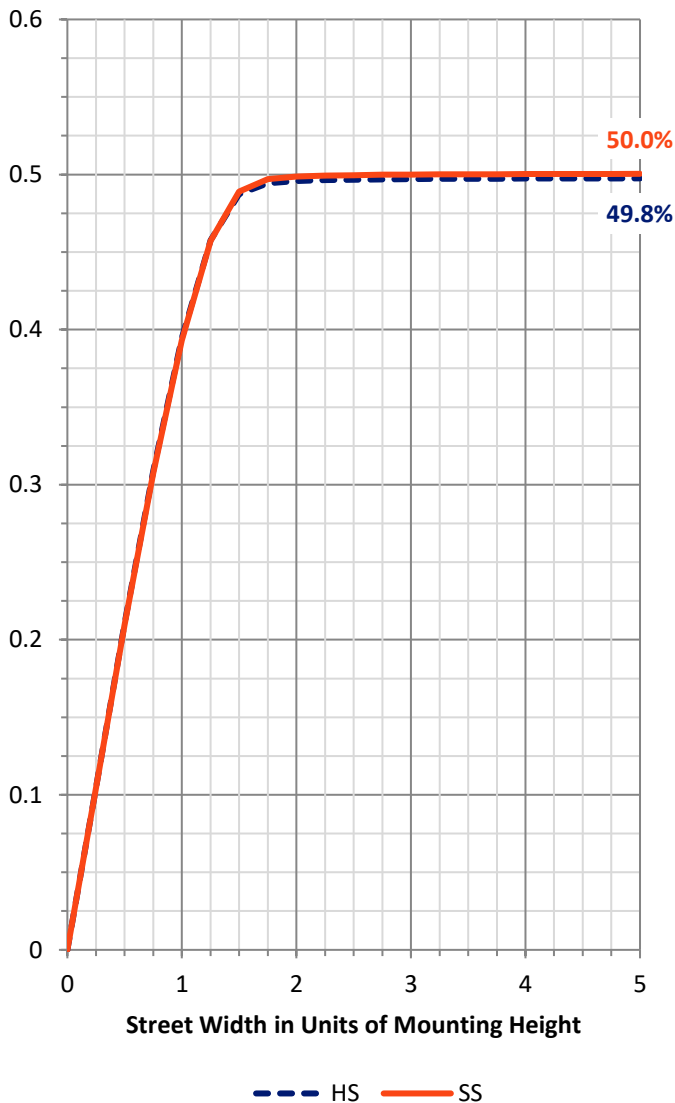
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4270.5	0.0	4270.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4270.5	0.0	4270.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8541.0	0.0	8541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	1.6
10°-20°	443.9	5.2
20°-30°	870.0	10.2
30°-40°	1564.4	18.3
40°-50°	2678.0	31.4
50°-60°	2591.2	30.3
60°-70°	221.8	2.6
70°-80°	26.3	0.3
80°-90°	8.3	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°	8541.0	100.0
0°-180°	8541.0	100.0

Coefficient of Utilization

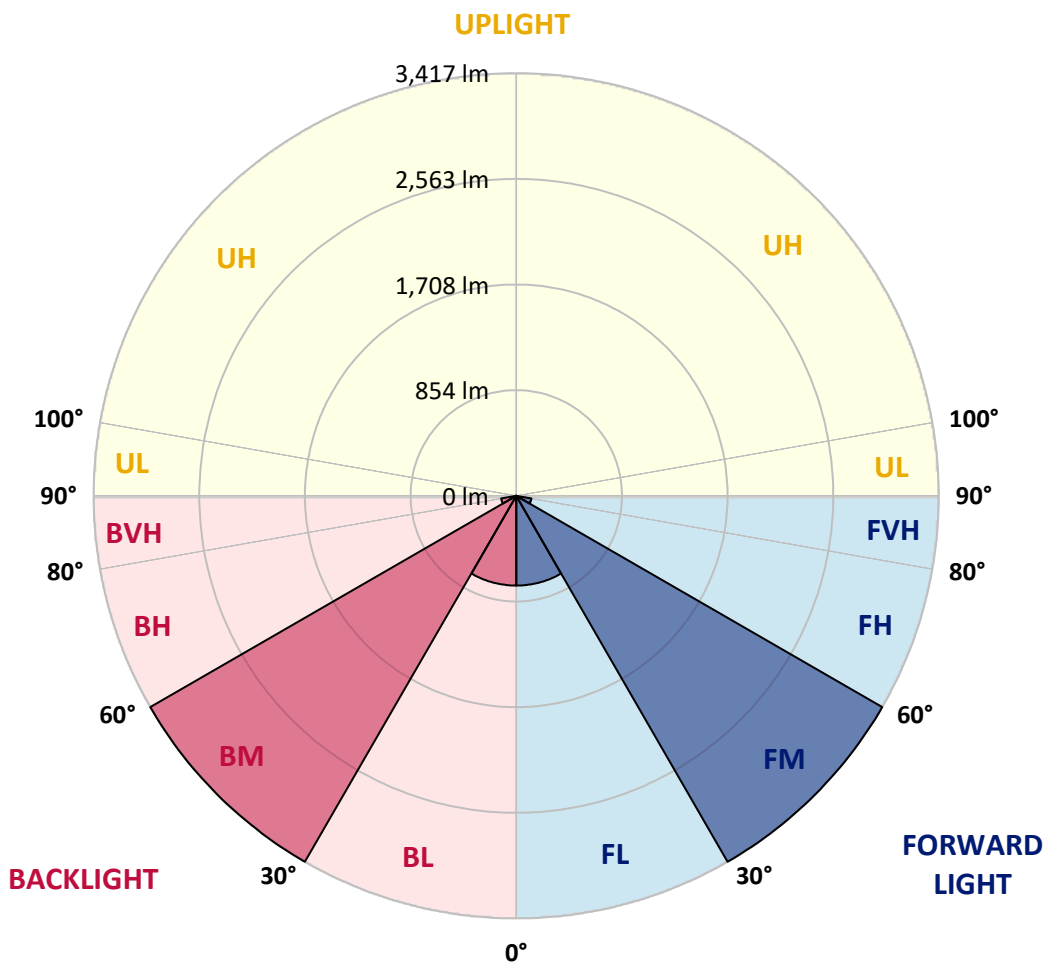


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.5	8.5			
FM (30°-60°)	3416.8	40.0			
FH (60°-80°)	124.0	1.5			G0/660
FVH (80°-90°)	4.1	0.0			G0/10
BL (0°-30°)	725.5	8.5	B2/1000		
BM (30°-60°)	3416.8	40.0	B3/5000		
BH (60°-80°)	124.0	1.5	B1/500		G0/660
BVH (80°-90°)	4.1	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°	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5
2.5°	1407.2	1415.3	1409.9	1414.0	1414.0	1407.2	1411.3	1395.0	1405.9	1397.8	1399.1
5°	1428.9	1427.5	1427.5	1428.9	1423.5	1426.2	1420.8	1415.3	1411.3	1405.9	1422.1
7.5°	1455.9	1455.9	1446.5	1449.2	1446.5	1450.5	1439.7	1428.9	1424.8	1420.8	1418.0
10°	1481.6	1478.9	1474.9	1487.1	1477.6	1472.2	1466.8	1460.0	1445.1	1439.7	1434.3
12.5°	1519.5	1518.2	1512.8	1524.9	1519.5	1524.9	1504.6	1487.1	1484.4	1466.8	1476.2
15°	1564.2	1576.4	1566.9	1566.9	1564.2	1557.4	1549.3	1541.2	1516.8	1510.1	1511.4
17.5°	1622.4	1618.3	1619.7	1619.7	1633.2	1615.6	1599.4	1579.1	1566.9	1562.8	1549.3
20°	1677.8	1683.3	1681.9	1691.4	1699.5	1680.5	1663.0	1660.3	1626.4	1631.8	1612.9
22.5°	1775.3	1771.2	1778.0	1784.7	1779.3	1776.6	1760.4	1740.1	1710.3	1696.8	1694.1
25°	1878.1	1871.3	1859.2	1875.4	1883.5	1895.7	1864.6	1853.7	1807.7	1787.4	1788.8
27.5°	1966.1	1975.5	1989.1	1995.8	2016.1	2012.1	1990.4	1955.2	1920.0	1897.0	1882.2
30°	2086.5	2091.9	2114.9	2124.4	2159.5	2169.0	2135.2	2094.6	2032.4	2002.6	1985.0
32.5°	2197.4	2235.3	2234.0	2281.3	2338.2	2377.4	2316.5	2254.3	2192.0	2156.8	2125.7
35°	2377.4	2370.6	2409.9	2459.9	2551.9	2596.6	2530.3	2458.6	2363.9	2307.0	2282.7
37.5°	2545.2	2547.9	2600.7	2680.5	2786.0	2855.0	2796.9	2679.1	2581.7	2508.6	2474.8
40°	2788.7	2794.2	2848.3	2938.9	3058.0	3132.4	3064.8	2945.7	2815.8	2759.0	2759.0
42.5°	3074.2	3097.2	3132.4	3210.9	3317.8	3400.3	3339.4	3246.1	3114.8	3041.8	3052.6
45°	3367.9	3378.7	3401.7	3518.1	3568.1	3608.7	3551.9	3508.6	3420.6	3331.3	3316.4
47.5°	3642.5	3646.6	3714.3	3750.8	3790.0	3756.2	3792.7	3735.9	3637.1	3550.5	3532.9
50°	3764.3	3757.6	3853.6	3964.6	3994.3	3934.8	3903.7	3865.8	3715.6	3611.4	3565.4
52.5°	3409.8	3449.1	3627.7	3936.2	4168.9	4219.0	4037.6	3863.1	3583.0	3380.0	3348.9
54°	3003.9	3040.4	3187.9	3645.2	4129.7	4298.8	4006.5	3635.8	3240.7	2999.8	2968.7
55°	2602.0	2561.4	2829.3	3296.2	3945.6	4228.4	3883.4	3342.2	2890.2	2669.7	2626.4
57.5°	1408.6	1415.3	1641.3	2082.4	2772.5	3242.0	2863.2	2261.0	1707.6	1460.0	1438.3
60°	446.5	457.3	556.1	841.6	1324.7	1581.8	1355.8	907.9	627.8	503.4	483.1
62.5°	139.4	144.8	158.3	235.4	362.6	518.2	405.9	243.6	181.3	166.4	169.1
65°	85.2	85.2	86.6	92.0	108.2	125.8	121.8	106.9	102.8	100.1	98.8
67.5°	55.5	54.1	56.8	60.9	63.6	64.9	69.0	73.1	71.7	69.0	69.0
70°	33.8	32.5	35.2	40.6	41.9	44.7	48.7	54.1	52.8	50.1	51.4
72.5°	18.9	18.9	20.3	24.4	28.4	31.1	35.2	39.2	40.6	39.2	39.2
75°	6.8	8.1	10.8	14.9	17.6	21.6	25.7	29.8	33.8	31.1	29.8
77.5°	2.7	2.7	5.4	9.5	13.5	17.6	24.4	28.4	31.1	28.4	25.7
80°	1.4	1.4	4.1	8.1	12.2	16.2	20.3	24.4	25.7	23.0	20.3
82.5°	1.4	1.4	4.1	8.1	12.2	14.9	21.6	24.4	27.1	24.4	20.3
85°	0.0	1.4	4.1	8.1	10.8	12.2	12.2	8.1	6.8	4.1	4.1
87.5°	0.0	0.0	1.4	0.0	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)