

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: P527995

Luminaire Tested: **GALN-SA3A-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8822 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

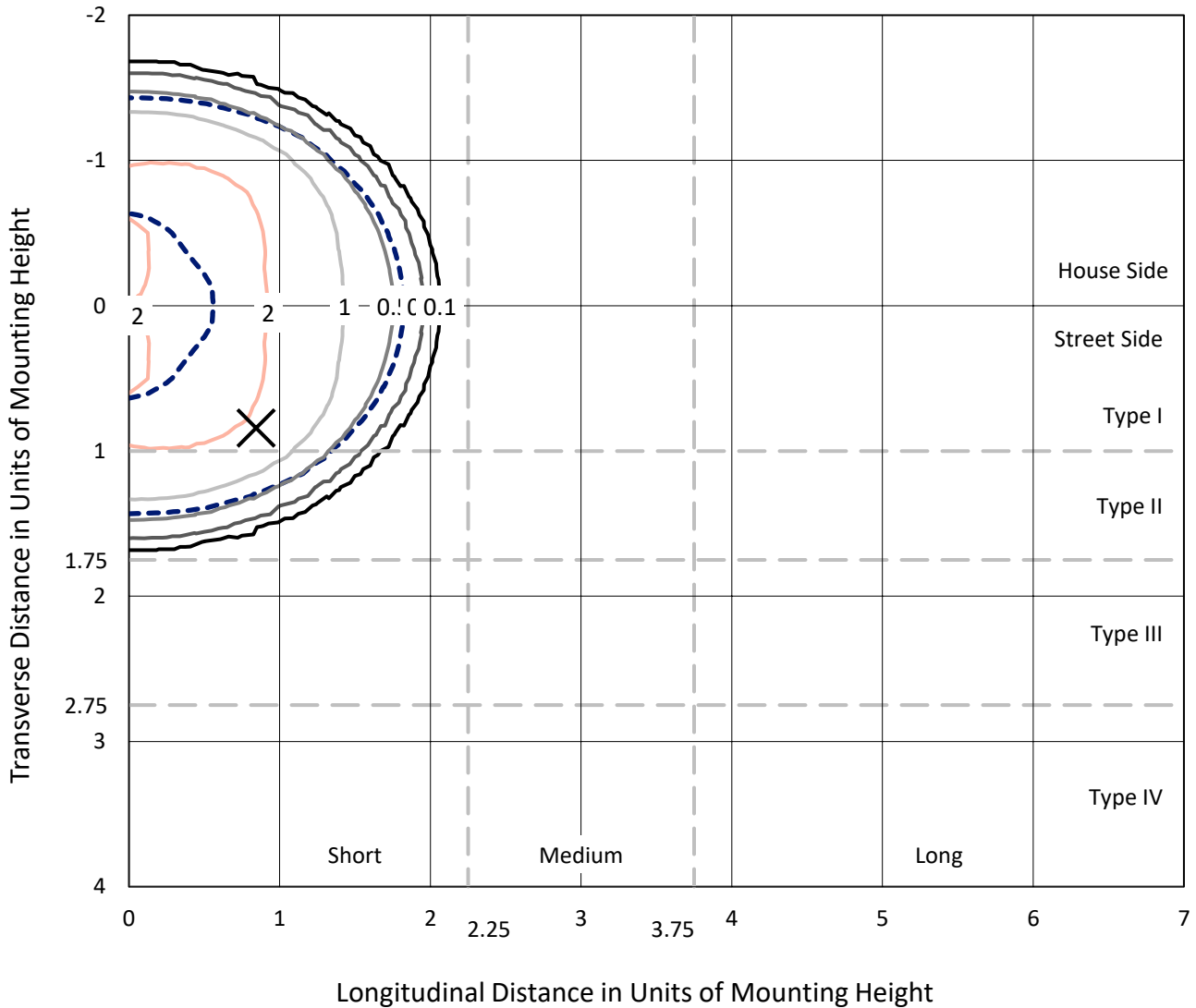
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

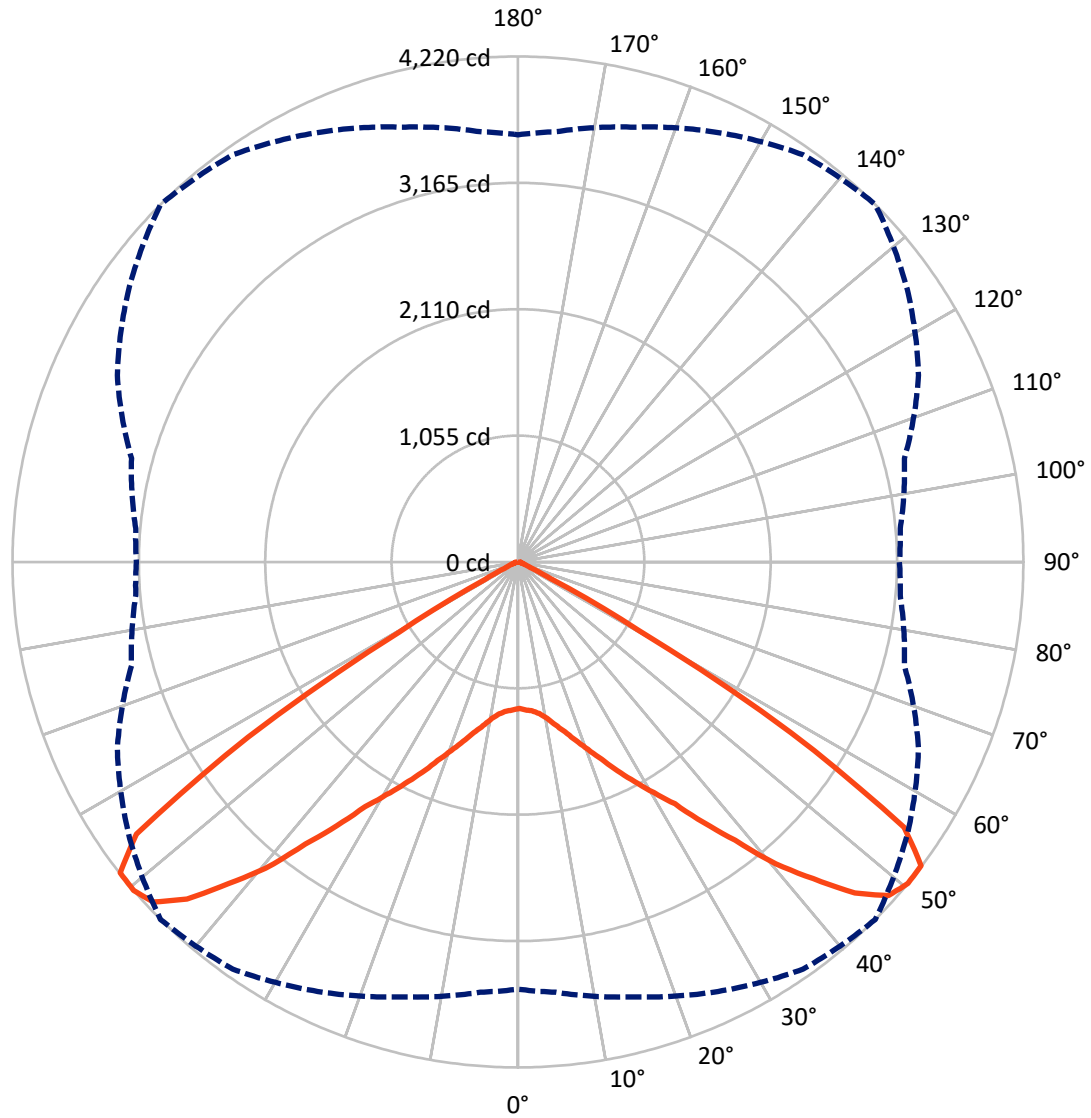
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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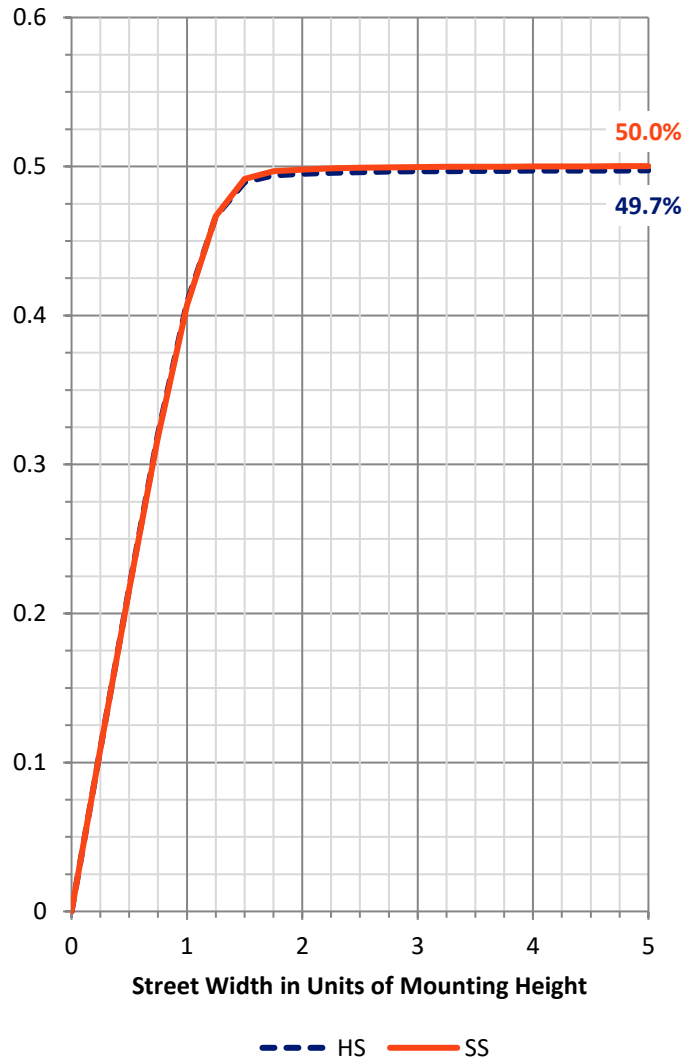
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4411.0	0.0	4411.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4411.0	0.0	4411.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8822.0	0.0	8822.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	1.4
10°-20°	419.4	4.8
20°-30°	856.5	9.7
30°-40°	1633.4	18.5
40°-50°	2752.5	31.2
50°-60°	2625.0	29.8
60°-70°	366.4	4.2
70°-80°	35.0	0.4
80°-90°	12.1	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°	8822.0	100.0
0°-180°	8822.0	100.0

Coefficient of Utilization



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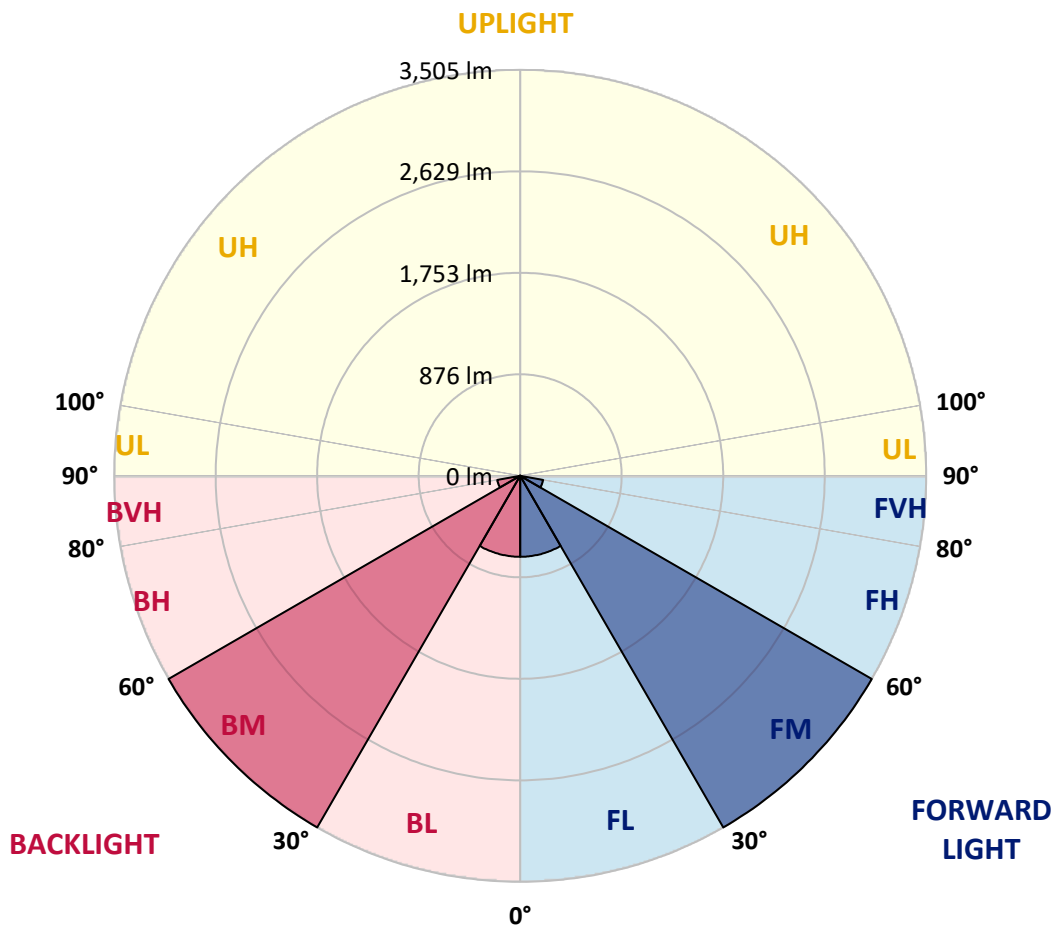
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.8	7.9			
FM (30°-60°)	3505.4	39.7			
FH (60°-80°)	200.7	2.3			G0/660
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	698.8	7.9	B2/1000		
BM (30°-60°)	3505.4	39.7	B3/5000		
BH (60°-80°)	200.7	2.3	B1/500		G0/660
BVH (80°-90°)	6.1	0.1			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°	1223.1	1223.1	1223.1	1223.1	1223.1	1223.1	1223.1	1223.1	1223.1	1223.1	1223.1
2.5°	1218.6	1218.6	1217.1	1229.0	1223.1	1236.4	1234.9	1239.4	1243.9	1242.4	1254.2
5°	1208.2	1206.7	1206.7	1220.1	1233.5	1248.3	1261.7	1270.6	1285.4	1285.4	1300.3
7.5°	1218.6	1211.2	1221.6	1227.5	1252.8	1278.0	1300.3	1318.1	1352.2	1364.1	1359.6
10°	1221.6	1230.5	1237.9	1255.7	1286.9	1325.5	1344.8	1389.3	1427.9	1454.6	1460.6
12.5°	1240.9	1254.2	1275.0	1318.1	1346.3	1396.7	1423.5	1466.5	1519.9	1549.6	1570.4
15°	1278.0	1282.4	1309.2	1364.1	1424.9	1471.0	1512.5	1543.7	1595.6	1629.8	1631.3
17.5°	1325.5	1344.8	1381.9	1433.8	1497.7	1565.9	1598.6	1632.7	1652.0	1698.1	1708.4
20°	1420.5	1423.5	1459.1	1527.4	1607.5	1669.9	1693.6	1711.4	1704.0	1751.5	1760.4
22.5°	1509.5	1512.5	1557.0	1649.1	1735.2	1788.6	1799.0	1788.6	1766.3	1800.5	1803.4
25°	1600.1	1626.8	1659.5	1751.5	1858.4	1929.6	1931.1	1902.9	1856.9	1862.8	1877.7
27.5°	1741.1	1760.4	1794.5	1879.1	1996.4	2076.6	2063.2	2029.1	1969.7	1974.1	1969.7
30°	1905.9	1923.7	1951.9	2060.2	2146.3	2233.9	2253.2	2220.5	2131.5	2112.2	2134.4
32.5°	2104.8	2130.0	2181.9	2281.4	2354.1	2407.6	2420.9	2409.0	2325.9	2318.5	2333.3
35°	2346.7	2380.8	2428.3	2515.9	2575.3	2671.8	2671.8	2631.7	2556.0	2564.9	2563.4
37.5°	2602.0	2652.5	2726.7	2815.7	2895.9	2947.8	2931.5	2897.4	2821.7	2802.4	2821.7
40°	2922.6	2947.8	3041.4	3157.1	3255.1	3314.5	3244.7	3170.5	2989.4	3017.6	3069.6
42.5°	3215.0	3255.1	3326.3	3454.0	3565.3	3614.3	3531.2	3384.2	3166.0	3143.8	3182.4
45°	3464.4	3507.4	3600.9	3783.5	3900.8	3943.8	3759.8	3522.3	3272.9	3216.5	3232.8
47.5°	3630.6	3652.9	3783.5	3957.2	4064.0	4162.0	3897.8	3617.3	3323.4	3216.5	3210.6
50°	3566.8	3605.4	3758.3	3955.7	4150.1	4219.9	3967.6	3690.0	3339.7	3203.1	3185.3
52.5°	3167.5	3234.3	3405.0	3670.7	3964.6	4214.0	4064.0	3666.3	3333.8	3216.5	3243.2
55°	2204.2	2205.7	2413.5	2805.4	3324.9	3912.6	3923.0	3693.0	3372.4	3299.6	3301.1
57.5°	886.1	930.7	1089.5	1482.8	1962.3	2686.6	3194.2	3425.8	3376.8	3359.0	3405.0
60°	224.1	225.6	274.6	418.6	690.2	1151.8	1672.8	2263.6	2606.5	2723.7	2740.0
62.5°	114.3	115.8	127.7	148.4	188.5	308.7	549.2	871.3	1239.4	1426.4	1475.4
65°	93.5	93.5	100.9	111.3	112.8	118.7	142.5	203.4	295.4	335.5	339.9
67.5°	71.2	71.2	77.2	83.1	86.1	84.6	81.6	84.6	102.4	98.0	95.0
70°	44.5	46.0	49.0	54.9	57.9	59.4	60.9	63.8	72.7	75.7	72.7
72.5°	26.7	26.7	28.2	32.7	37.1	40.1	44.5	47.5	52.0	59.4	57.9
75°	11.9	11.9	14.8	19.3	23.7	28.2	32.7	37.1	40.1	44.5	46.0
77.5°	3.0	4.5	7.4	13.4	17.8	23.7	29.7	34.1	37.1	37.1	35.6
80°	1.5	1.5	5.9	10.4	19.3	25.2	32.7	35.6	40.1	37.1	32.7
82.5°	1.5	1.5	5.9	10.4	17.8	25.2	34.1	38.6	41.6	37.1	31.2
85°	0.0	1.5	4.5	8.9	14.8	17.8	14.8	10.4	5.9	5.9	4.5
87.5°	0.0	0.0	1.5	1.5	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)