

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: P528281

Luminaire Tested: **GALN-SA3B-760-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528281
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-SA3B-760-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA 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: 10978 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

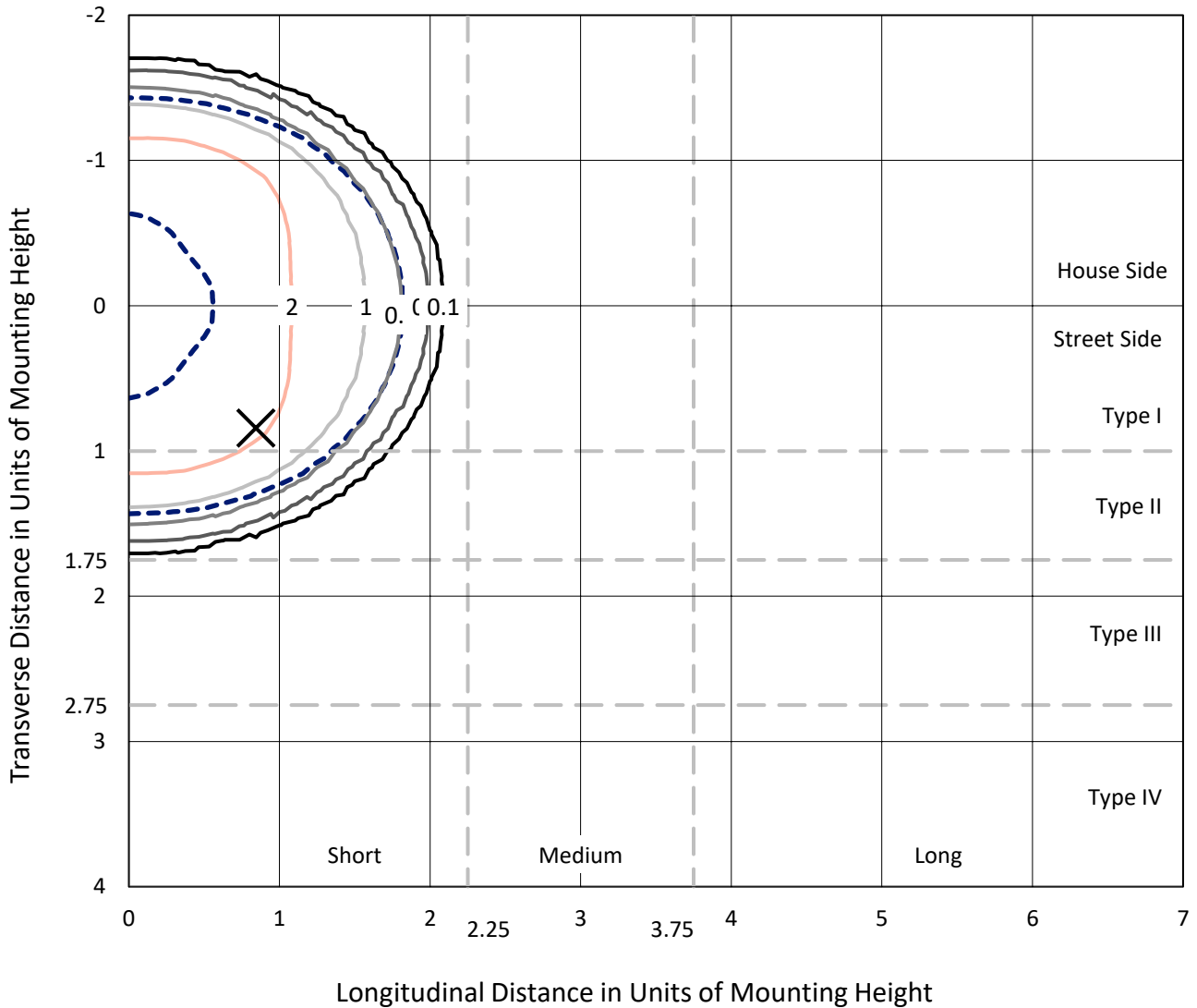
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

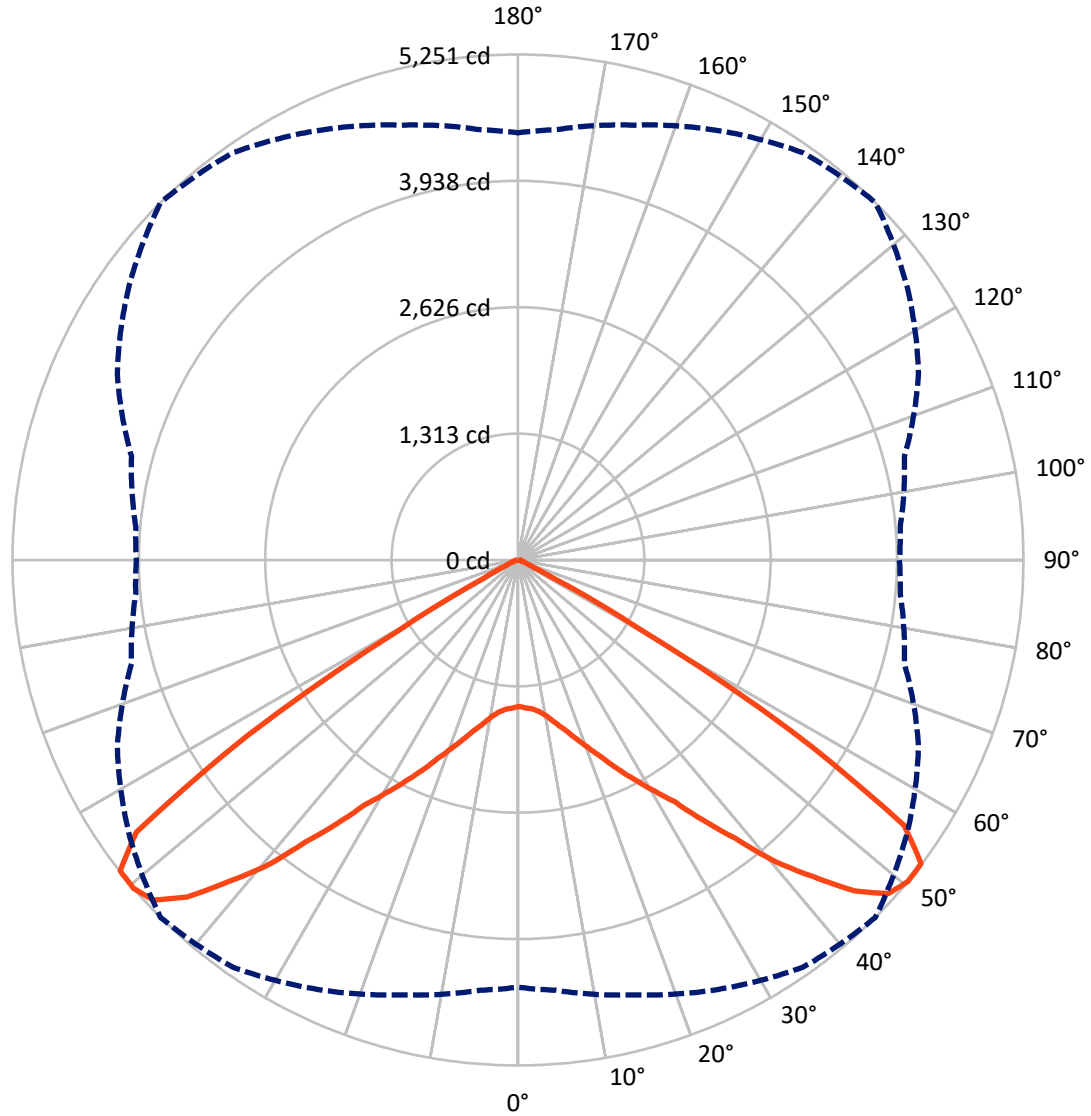
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	5489.0	0.0	5489.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5489.0	0.0	5489.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10978.0	0.0	10978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	1.4
10°-20°	521.9	4.8
20°-30°	1065.8	9.7
30°-40°	2032.6	18.5
40°-50°	3425.2	31.2
50°-60°	3266.5	29.8
60°-70°	456.0	4.2
70°-80°	43.6	0.4
80°-90°	15.1	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°	10978.0	100.0
0°-180°	10978.0	100.0

Coefficient of Utilization



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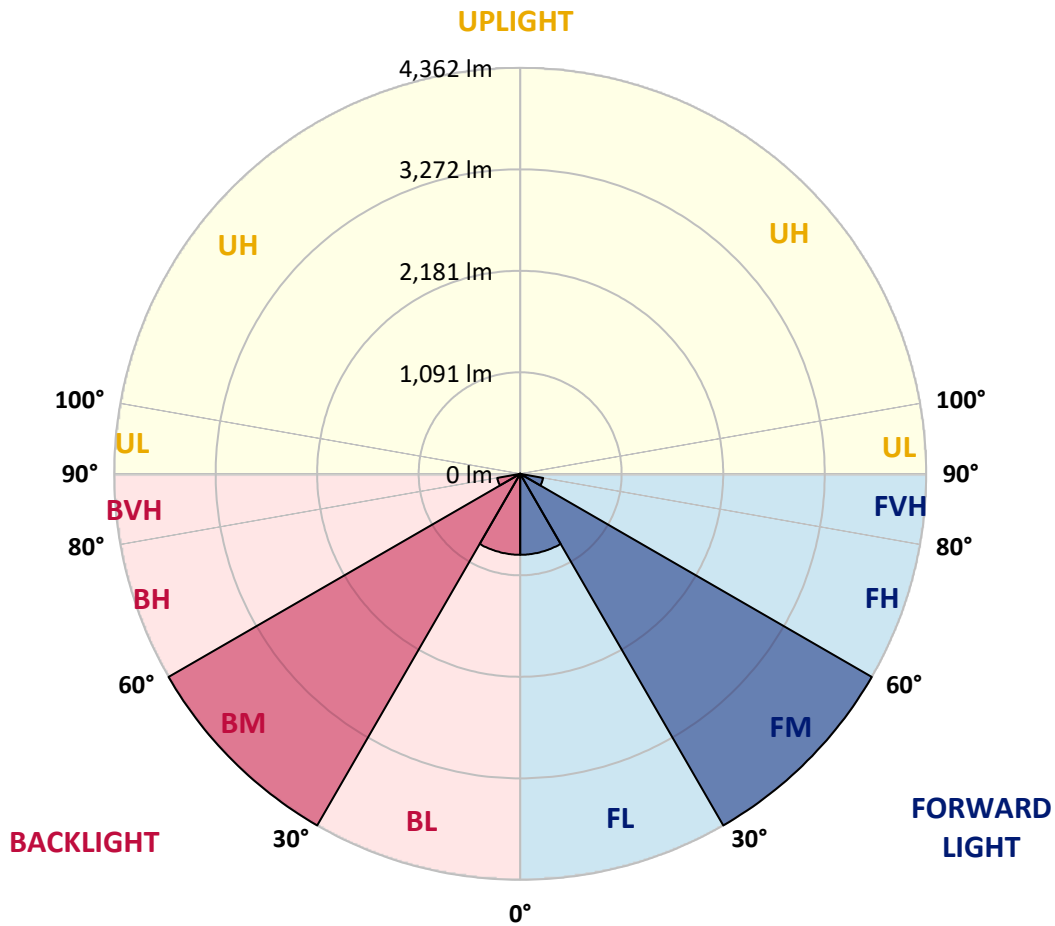
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	869.6	7.9			
FM (30°-60°)	4362.1	39.7			
FH (60°-80°)	249.8	2.3			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	869.6	7.9	B2/1000		
BM (30°-60°)	4362.1	39.7	B3/5000		
BH (60°-80°)	249.8	2.3	B1/500		G0/660
BVH (80°-90°)	7.5	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°	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0	1522.0
2.5°	1516.4	1516.4	1514.6	1529.4	1522.0	1538.6	1536.8	1542.3	1547.8	1546.0	1560.8
5°	1503.5	1501.7	1501.7	1518.3	1534.9	1553.4	1570.0	1581.1	1599.6	1599.6	1618.0
7.5°	1516.4	1507.2	1520.1	1527.5	1558.9	1590.3	1618.0	1640.2	1682.7	1697.4	1691.9
10°	1520.1	1531.2	1540.4	1562.6	1601.4	1649.4	1673.4	1728.8	1776.9	1810.1	1817.5
12.5°	1544.1	1560.8	1586.6	1640.2	1675.3	1738.1	1771.3	1824.9	1891.4	1928.3	1954.2
15°	1590.3	1595.9	1629.1	1697.4	1773.2	1830.4	1882.2	1920.9	1985.6	2028.1	2029.9
17.5°	1649.4	1673.4	1719.6	1784.3	1863.7	1948.7	1989.3	2031.8	2055.8	2113.0	2126.0
20°	1767.6	1771.3	1815.7	1900.6	2000.4	2077.9	2107.5	2129.7	2120.4	2179.5	2190.6
22.5°	1878.5	1882.2	1937.6	2052.1	2159.2	2225.7	2238.6	2225.7	2198.0	2240.5	2244.2
25°	1991.1	2024.4	2065.0	2179.5	2312.5	2401.2	2403.0	2367.9	2310.7	2318.1	2336.5
27.5°	2166.6	2190.6	2233.1	2338.4	2484.3	2584.0	2567.4	2524.9	2451.1	2456.6	2451.1
30°	2371.6	2393.8	2428.9	2563.7	2670.9	2779.8	2803.8	2763.2	2652.4	2628.4	2656.1
32.5°	2619.1	2650.5	2715.2	2838.9	2929.4	2995.9	3012.6	2997.8	2894.3	2885.1	2903.6
35°	2920.2	2962.7	3021.8	3130.8	3204.7	3324.7	3324.7	3274.8	3180.6	3191.7	3189.9
37.5°	3237.9	3300.7	3393.1	3503.9	3603.6	3668.3	3647.9	3605.5	3511.3	3487.3	3511.3
40°	3636.9	3668.3	3784.6	3928.7	4050.6	4124.5	4037.7	3945.3	3720.0	3755.1	3819.7
42.5°	4000.7	4050.6	4139.3	4298.1	4436.6	4497.6	4394.2	4211.3	3939.8	3912.1	3960.1
45°	4311.0	4364.6	4481.0	4708.2	4854.1	4907.6	4678.6	4383.1	4072.8	4002.6	4022.9
47.5°	4517.9	4545.6	4708.2	4924.3	5057.3	5179.2	4850.4	4501.3	4135.6	4002.6	3995.2
50°	4438.5	4486.5	4676.8	4922.4	5164.4	5251.2	4937.2	4591.8	4155.9	3986.0	3963.8
52.5°	3941.6	4024.7	4237.2	4567.8	4933.5	5243.8	5057.3	4562.2	4148.5	4002.6	4035.8
55°	2742.9	2744.7	3003.3	3490.9	4137.4	4868.9	4881.8	4595.5	4196.5	4106.0	4107.9
57.5°	1102.7	1158.1	1355.7	1845.2	2441.8	3343.2	3974.9	4263.0	4202.1	4179.9	4237.2
60°	278.9	280.8	341.7	520.9	858.9	1433.3	2081.6	2816.8	3243.4	3389.4	3409.7
62.5°	142.2	144.1	158.8	184.7	234.6	384.2	683.4	1084.2	1542.3	1775.0	1836.0
65°	116.4	116.4	125.6	138.5	140.4	147.8	177.3	253.0	367.6	417.4	423.0
67.5°	88.7	88.7	96.0	103.4	107.1	105.3	101.6	105.3	127.4	121.9	118.2
70°	55.4	57.3	61.0	68.3	72.0	73.9	75.7	79.4	90.5	94.2	90.5
72.5°	33.2	33.2	35.1	40.6	46.2	49.9	55.4	59.1	64.6	73.9	72.0
75°	14.8	14.8	18.5	24.0	29.6	35.1	40.6	46.2	49.9	55.4	57.3
77.5°	3.7	5.5	9.2	16.6	22.2	29.6	36.9	42.5	46.2	46.2	44.3
80°	1.8	1.8	7.4	12.9	24.0	31.4	40.6	44.3	49.9	46.2	40.6
82.5°	1.8	1.8	7.4	12.9	22.2	31.4	42.5	48.0	51.7	46.2	38.8
85°	0.0	1.8	5.5	11.1	18.5	22.2	18.5	12.9	7.4	7.4	5.5
87.5°	0.0	0.0	1.8	1.8	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)