

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: P528095

Luminaire Tested: **GALN-SA3A-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5659 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

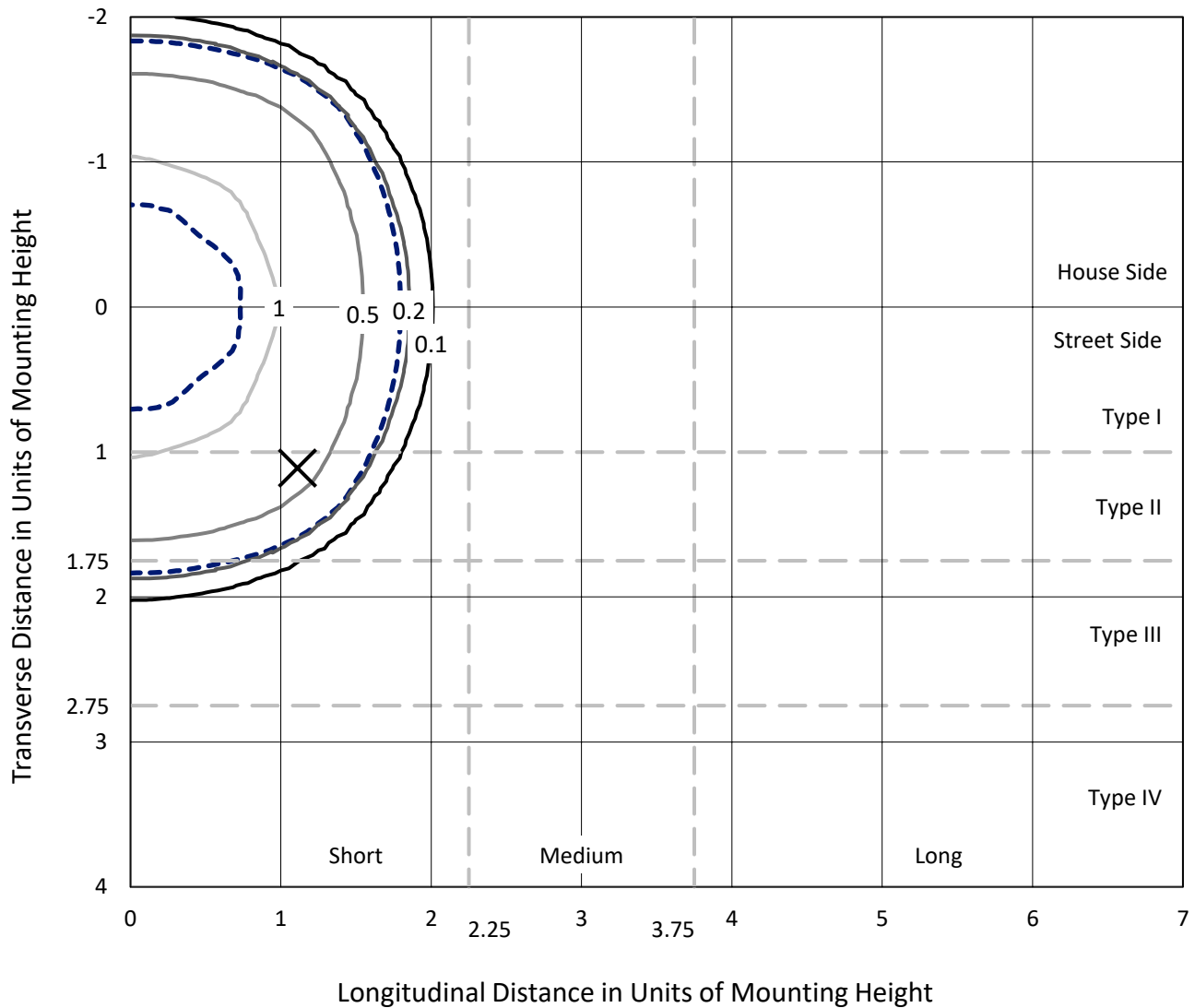
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

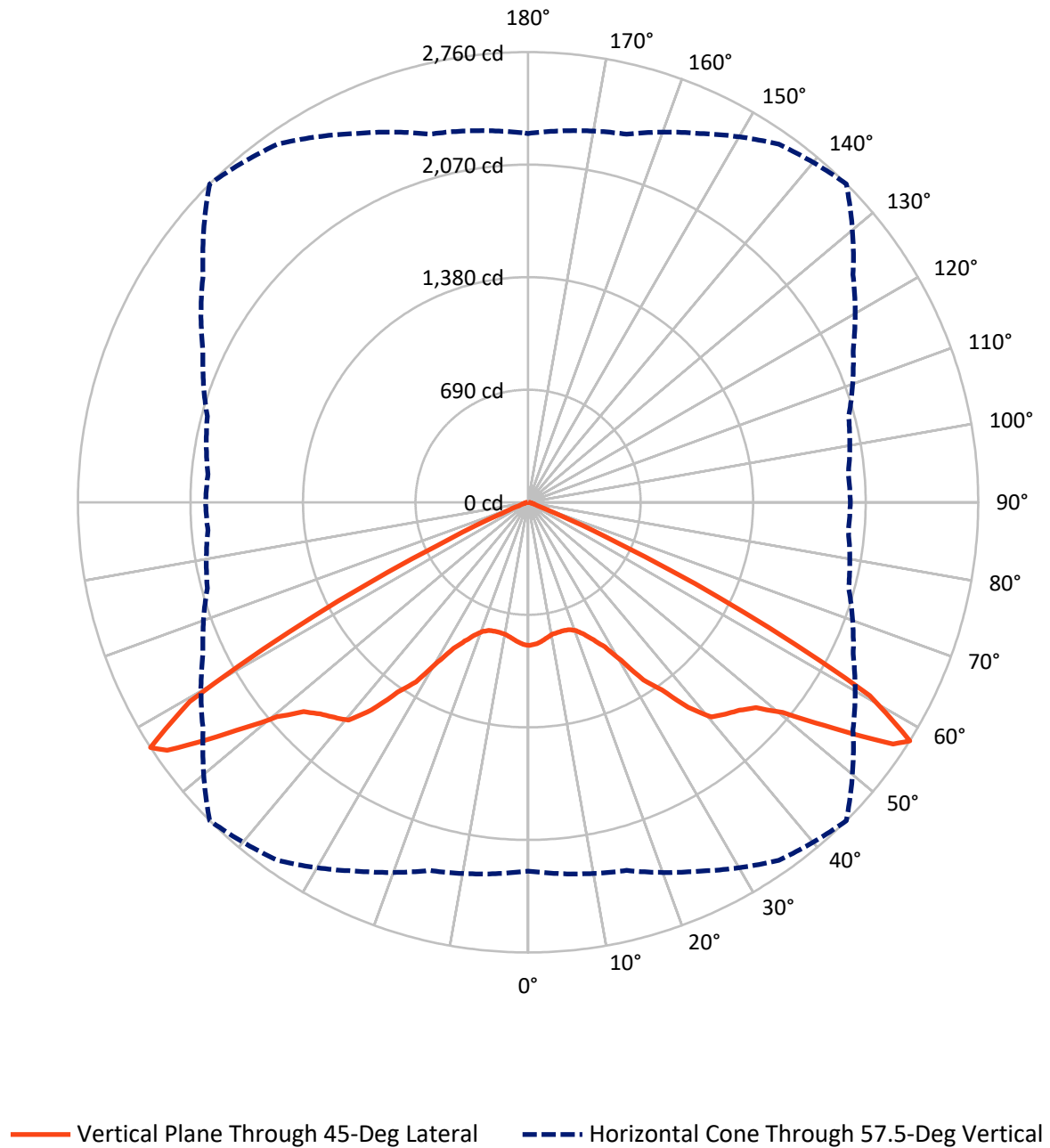
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2829.5	0.0	2829.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2829.5	0.0	2829.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5659.0	0.0	5659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	1.4
10°-20°	233.2	4.1
20°-30°	430.4	7.6
30°-40°	846.4	15.0
40°-50°	1378.5	24.4
50°-60°	1965.9	34.7
60°-70°	680.7	12.0
70°-80°	36.5	0.6
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°	5659.0	100.0
0°-180°	5659.0	100.0

Coefficient of Utilization



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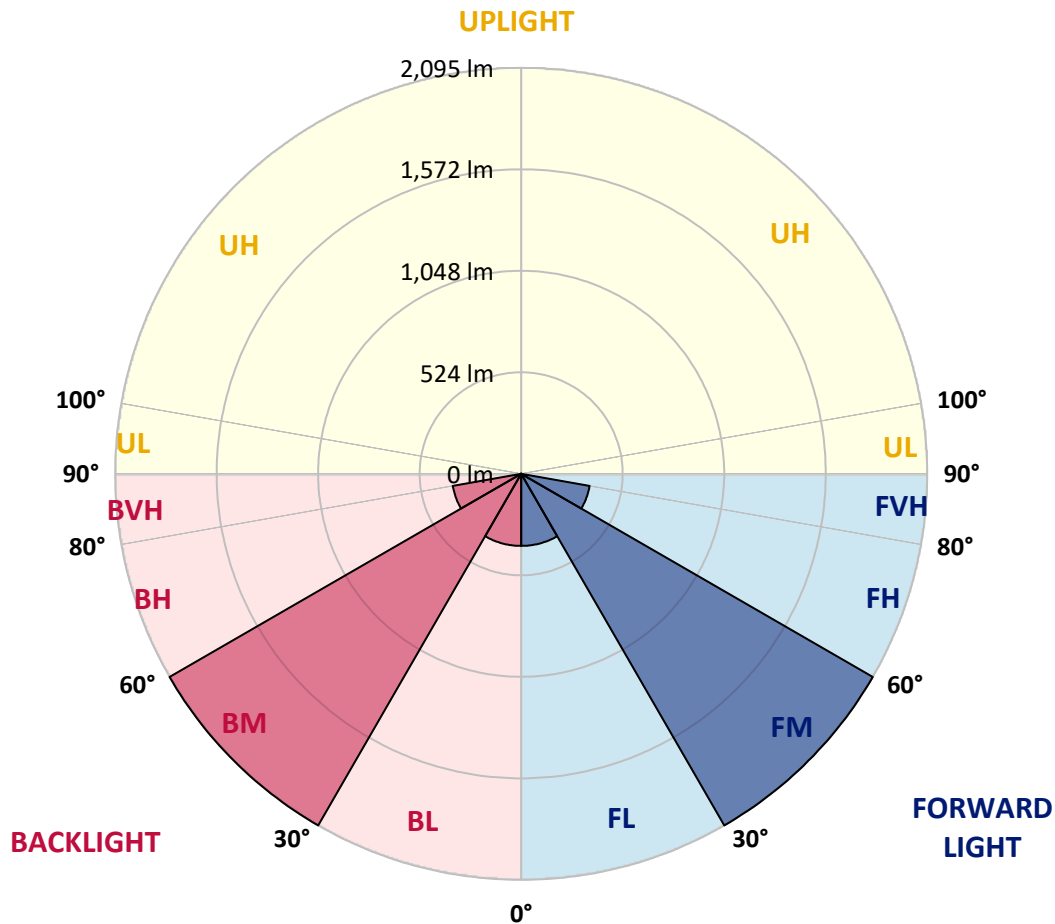
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	372.1	6.6			
FM	(30°-60°)	2095.4	37.0			
FH	(60°-80°)	358.6	6.3			G0/660
FVH	(80°-90°)	3.4	0.1			G0/10
BL	(0°-30°)	372.1	6.6	B1/500		
BM	(30°-60°)	2095.4	37.0	B2/2500		
BH	(60°-80°)	358.6	6.3	B1/500		G0/660
BVH	(80°-90°)	3.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	877.8	877.8	877.8	877.8	877.8	877.8	877.8	877.8	877.8	877.8	877.8
2.5°	875.4	880.1	874.2	871.9	870.7	870.7	867.2	867.2	866.0	867.2	862.4
5°	861.3	866.0	866.0	864.8	857.7	856.5	853.0	850.6	851.8	847.1	850.6
7.5°	847.1	850.6	845.9	844.7	842.4	837.7	836.5	825.9	827.0	827.0	829.4
10°	844.7	843.6	836.5	830.6	823.5	822.3	818.8	816.4	816.4	815.2	818.8
12.5°	844.7	838.8	837.7	824.7	812.9	817.6	808.2	802.3	810.5	812.9	817.6
15°	843.6	849.5	829.4	823.5	815.2	816.4	808.2	802.3	807.0	809.3	812.9
17.5°	850.6	847.1	841.2	829.4	825.9	821.1	810.5	805.8	805.8	811.7	812.9
20°	869.5	860.1	848.3	842.4	845.9	840.0	827.0	809.3	814.1	818.8	822.3
22.5°	887.2	880.1	871.9	868.3	888.4	878.9	856.5	836.5	829.4	837.7	843.6
25°	921.4	921.4	906.1	910.8	933.2	934.4	908.4	873.1	868.3	871.9	874.2
27.5°	991.0	994.6	981.6	986.3	995.8	1004.0	981.6	952.1	941.5	940.3	943.8
30°	1066.5	1073.6	1072.4	1092.5	1119.6	1124.3	1091.3	1042.9	1011.1	1005.2	1009.9
32.5°	1165.6	1169.2	1166.8	1190.4	1263.6	1297.8	1211.7	1143.2	1100.8	1111.4	1100.8
35°	1352.0	1348.5	1322.6	1327.3	1387.4	1412.2	1329.6	1286.0	1265.9	1287.2	1282.4
37.5°	1512.5	1499.5	1478.3	1509.0	1571.5	1593.9	1507.8	1431.1	1394.5	1429.9	1445.3
40°	1648.2	1615.1	1585.6	1616.3	1700.1	1730.8	1604.5	1542.0	1527.8	1553.8	1586.8
42.5°	1762.6	1741.4	1702.4	1704.8	1760.3	1774.4	1673.0	1636.4	1622.2	1663.5	1680.0
45°	1844.0	1824.0	1787.4	1785.0	1827.5	1818.1	1727.2	1702.4	1710.7	1737.8	1746.1
47.5°	1885.3	1895.9	1874.7	1880.6	1903.0	1880.6	1808.6	1808.6	1789.8	1806.3	1798.0
50°	2004.5	1971.4	1998.6	1998.6	2022.2	2024.5	1952.6	1926.6	1875.9	1847.6	1847.6
52.5°	2143.7	2146.1	2156.7	2195.6	2235.7	2269.9	2167.3	2056.4	1971.4	1934.9	1930.2
55°	2258.1	2281.7	2324.2	2397.4	2513.0	2560.2	2383.2	2185.0	2081.2	2024.5	2012.7
56°	2320.7	2298.2	2371.4	2471.7	2622.7	2684.0	2418.6	2210.9	2096.5	2032.8	2031.6
57.5°	2260.5	2285.3	2336.0	2494.1	2679.3	2759.5	2431.6	2199.1	2035.2	1970.3	1976.2
60°	1785.0	1808.6	1877.1	2054.0	2344.3	2406.8	2057.6	1813.4	1667.1	1573.9	1575.0
62.5°	1009.9	1027.6	1080.7	1244.7	1425.2	1485.4	1282.4	1119.6	1018.2	966.3	949.7
65°	371.6	364.6	372.8	456.6	567.5	618.2	533.3	450.7	397.6	378.7	371.6
67.5°	139.2	128.6	120.3	128.6	161.6	171.1	156.9	131.0	122.7	126.2	128.6
70°	86.1	81.4	64.9	61.3	60.2	59.0	62.5	66.1	75.5	88.5	90.8
72.5°	60.2	56.6	46.0	43.7	41.3	40.1	46.0	50.7	59.0	68.4	69.6
75°	23.6	24.8	23.6	26.0	27.1	28.3	33.0	36.6	40.1	40.1	38.9
77.5°	4.7	4.7	7.1	9.4	11.8	15.3	22.4	26.0	27.1	26.0	22.4
80°	0.0	0.0	2.4	4.7	9.4	13.0	20.1	22.4	24.8	22.4	17.7
82.5°	0.0	0.0	2.4	5.9	9.4	11.8	18.9	23.6	27.1	24.8	18.9
85°	0.0	0.0	2.4	4.7	7.1	8.3	8.3	5.9	5.9	3.5	2.4
87.5°	0.0	0.0	0.0	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)