

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: P528065

Luminaire Tested: **GALN-SA3A-827-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528065
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-827-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 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: 6023 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

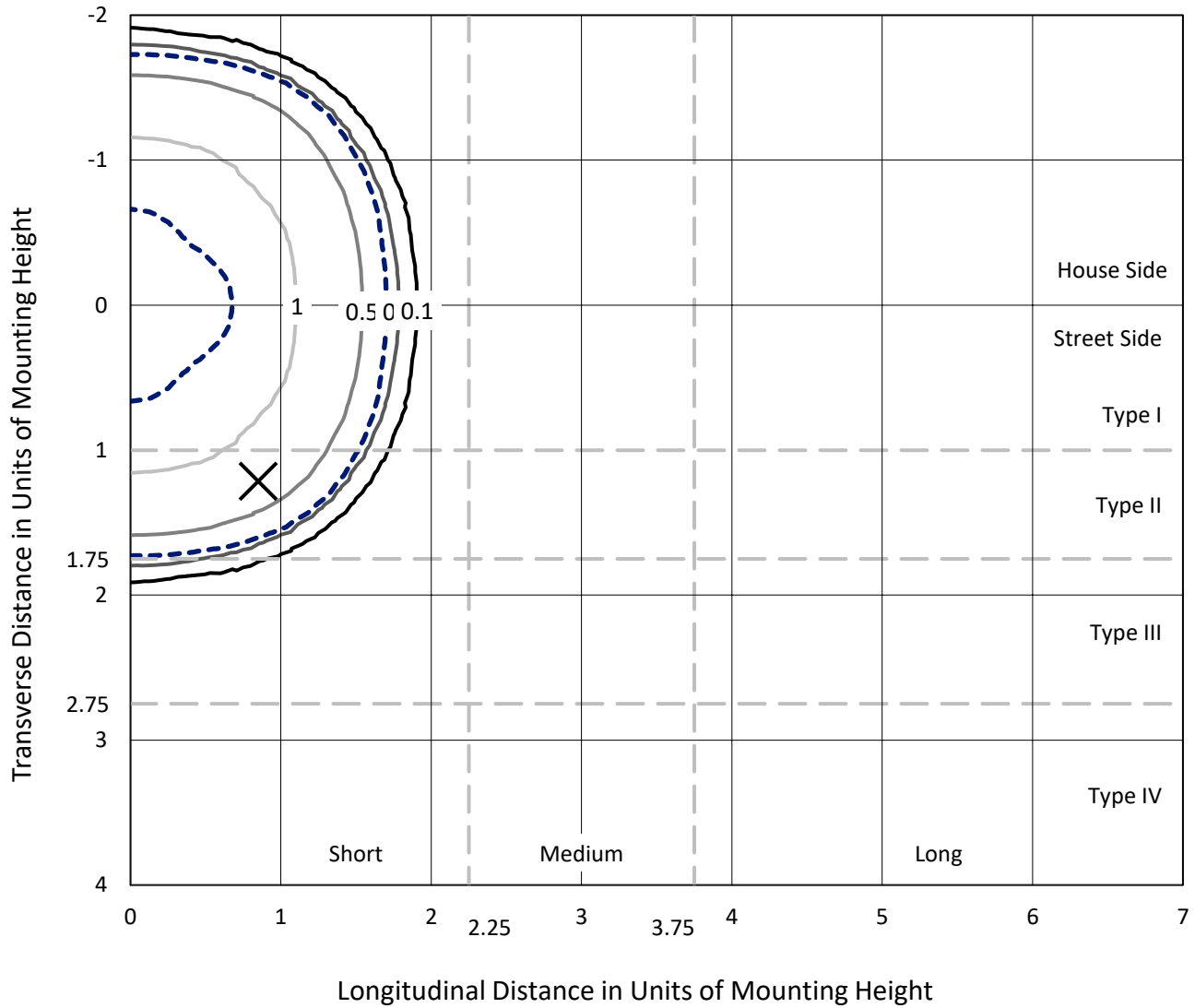
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

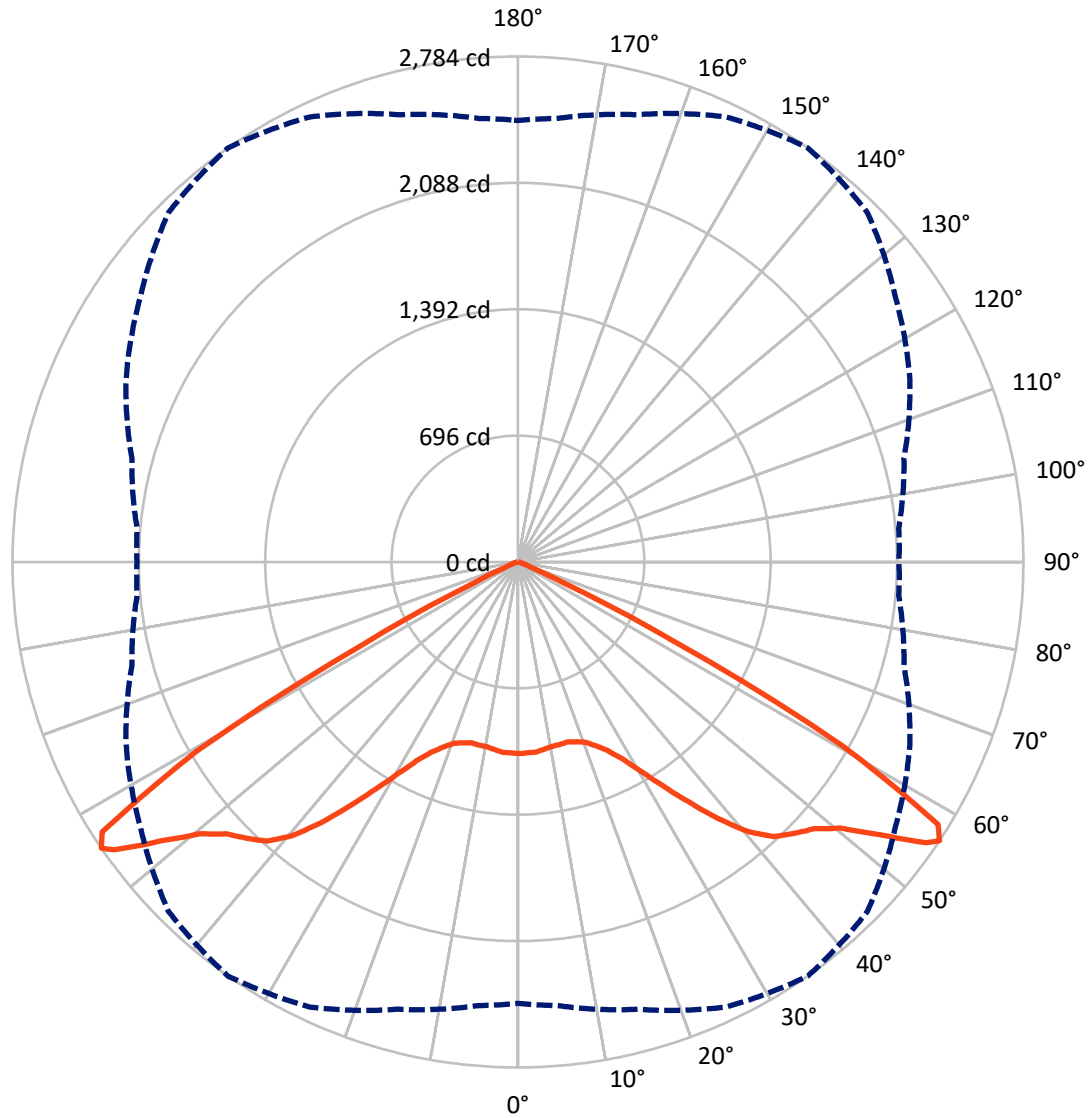
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	3011.5	0.0	3011.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3011.5	0.0	3011.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6023.0	0.0	6023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.6
10°-20°	289.6	4.8
20°-30°	524.4	8.7
30°-40°	972.4	16.1
40°-50°	1596.1	26.5
50°-60°	2056.3	34.1
60°-70°	453.2	7.5
70°-80°	26.3	0.4
80°-90°	5.5	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°	6023.0	100.0
0°-180°	6023.0	100.0

Coefficient of Utilization

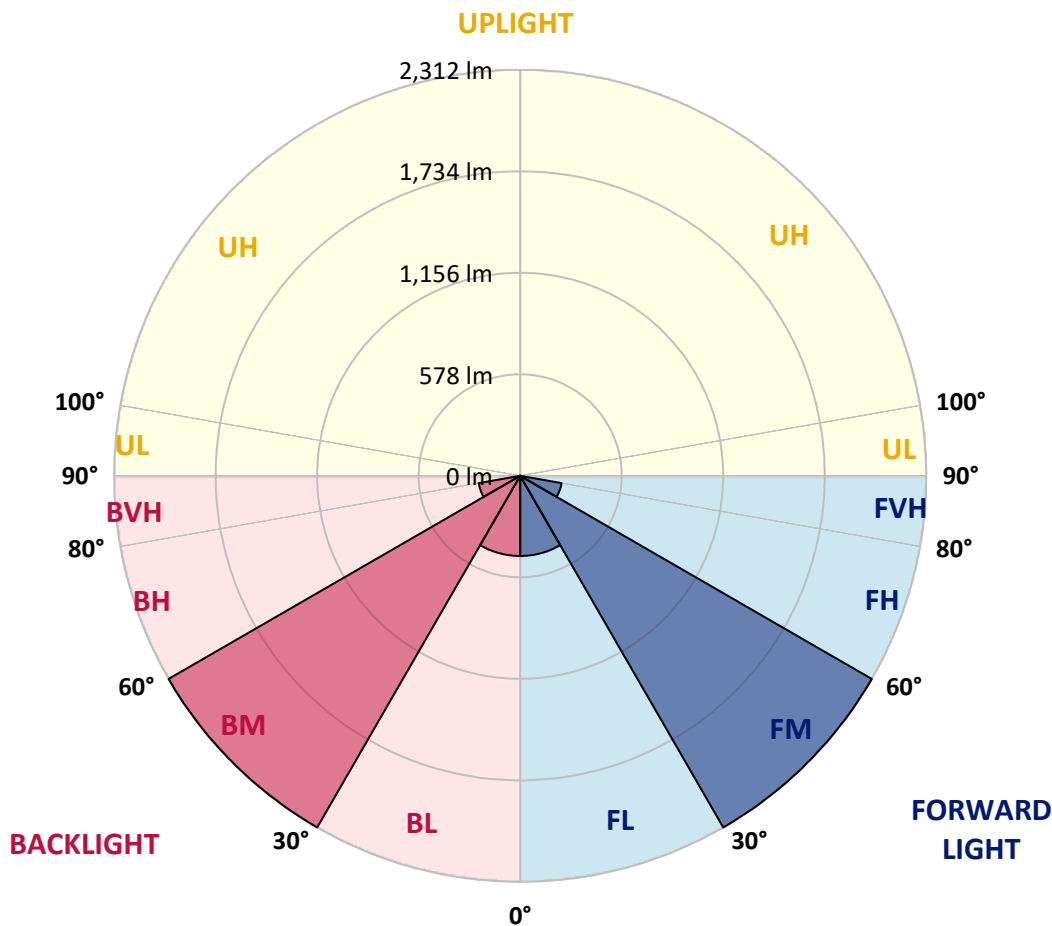


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.6	7.6			
FM (30°-60°)	2312.4	38.4			
FH (60°-80°)	239.7	4.0			G0/660
FVH (80°-90°)	2.8	0.0			G0/10
BL (0°-30°)	456.6	7.6	B1/500		
BM (30°-60°)	2312.4	38.4	B2/2500		
BH (60°-80°)	239.7	4.0	B1/500		G0/660
BVH (80°-90°)	2.8	0.0			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°	1055.4	1055.4	1055.4	1055.4	1055.4	1055.4	1055.4	1055.4	1055.4	1055.4	1055.4
2.5°	1057.5	1057.5	1058.6	1059.7	1052.1	1048.8	1049.9	1047.7	1046.6	1049.9	1049.9
5°	1054.3	1054.3	1051.0	1052.1	1052.1	1042.3	1042.3	1044.4	1044.4	1037.9	1035.7
7.5°	1045.5	1043.4	1039.0	1044.4	1041.2	1041.2	1033.5	1028.1	1025.9	1030.3	1025.9
10°	1027.0	1028.1	1032.4	1034.6	1032.4	1039.0	1025.9	1018.3	1010.6	1007.3	1007.3
12.5°	1018.3	1024.8	1018.3	1023.7	1031.3	1025.9	1018.3	1012.8	1001.9	997.5	997.5
15°	1017.2	1021.5	1023.7	1031.3	1028.1	1030.3	1015.0	1008.4	992.1	984.4	981.1
17.5°	1016.1	1021.5	1024.8	1039.0	1041.2	1042.3	1030.3	1010.6	996.4	988.8	981.1
20°	1028.1	1030.3	1036.8	1051.0	1059.7	1075.0	1053.2	1032.4	1001.9	993.2	989.9
22.5°	1043.4	1054.3	1060.8	1076.1	1099.0	1112.1	1083.7	1057.5	1025.9	1015.0	1001.9
25°	1092.5	1090.3	1101.2	1132.8	1151.4	1161.2	1138.3	1100.1	1058.6	1045.5	1047.7
27.5°	1153.6	1155.8	1165.6	1200.5	1227.8	1243.1	1215.8	1165.6	1125.2	1103.4	1101.2
30°	1233.3	1231.1	1242.0	1288.9	1338.0	1360.9	1312.9	1254.0	1214.7	1186.3	1192.9
32.5°	1317.3	1318.4	1348.9	1391.5	1471.2	1515.9	1438.4	1366.4	1307.5	1287.8	1278.0
35°	1441.7	1447.2	1471.2	1536.7	1625.1	1682.9	1597.8	1511.6	1443.9	1407.9	1412.2
37.5°	1595.6	1590.1	1630.5	1701.5	1794.2	1836.8	1764.8	1666.5	1597.8	1573.8	1589.0
40°	1759.3	1764.8	1785.5	1849.9	1953.6	1981.9	1875.0	1821.5	1761.5	1749.5	1768.0
42.5°	1923.0	1919.7	1935.0	1992.8	2068.2	2048.5	1985.2	1953.6	1911.0	1887.0	1912.1
45°	2043.1	2037.6	2066.0	2105.3	2132.5	2095.4	2067.1	2056.1	2034.3	2008.1	2031.0
47.5°	2159.8	2155.5	2182.7	2193.7	2195.8	2146.7	2152.2	2171.8	2117.3	2062.7	2088.9
50°	2259.1	2251.5	2285.3	2309.3	2303.9	2225.3	2245.0	2225.3	2140.2	2075.8	2066.0
52.5°	2425.0	2428.3	2464.3	2508.0	2494.9	2429.4	2401.0	2311.5	2202.4	2144.6	2110.7
55°	2529.8	2513.4	2575.6	2714.2	2729.5	2661.9	2536.4	2404.3	2240.6	2169.7	2160.9
56°	2431.6	2452.3	2550.5	2705.5	2784.1	2721.9	2539.6	2381.4	2201.3	2105.3	2098.7
57.5°	2181.7	2170.7	2303.9	2515.6	2729.5	2703.3	2450.1	2217.7	2008.1	1900.1	1887.0
60°	1357.7	1389.3	1506.1	1768.0	2054.0	2067.1	1816.0	1616.3	1371.9	1275.8	1298.7
62.5°	531.5	504.2	577.3	772.7	969.1	1012.8	917.8	762.9	626.4	531.5	525.0
65°	123.3	120.1	135.3	186.6	260.8	302.3	287.0	206.3	151.7	144.1	133.1
67.5°	69.8	69.8	66.6	66.6	73.1	77.5	74.2	73.1	76.4	79.7	78.6
70°	49.1	48.0	45.8	46.9	44.7	44.7	48.0	53.5	57.8	57.8	58.9
72.5°	29.5	29.5	29.5	32.7	32.7	32.7	36.0	40.4	41.5	40.4	39.3
75°	13.1	13.1	15.3	18.6	20.7	21.8	25.1	27.3	29.5	27.3	25.1
77.5°	3.3	3.3	5.5	7.6	9.8	12.0	16.4	19.6	20.7	19.6	16.4
80°	1.1	1.1	2.2	5.5	9.8	12.0	16.4	17.5	18.6	16.4	13.1
82.5°	1.1	1.1	2.2	5.5	7.6	9.8	13.1	15.3	16.4	14.2	13.1
85°	0.0	1.1	2.2	4.4	6.5	8.7	8.7	6.5	5.5	3.3	4.4
87.5°	0.0	0.0	1.1	1.1	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)