

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: P529005

Luminaire Tested: **GALN-SA4A-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529005
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-SA4A-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 2700K, 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: 6937 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

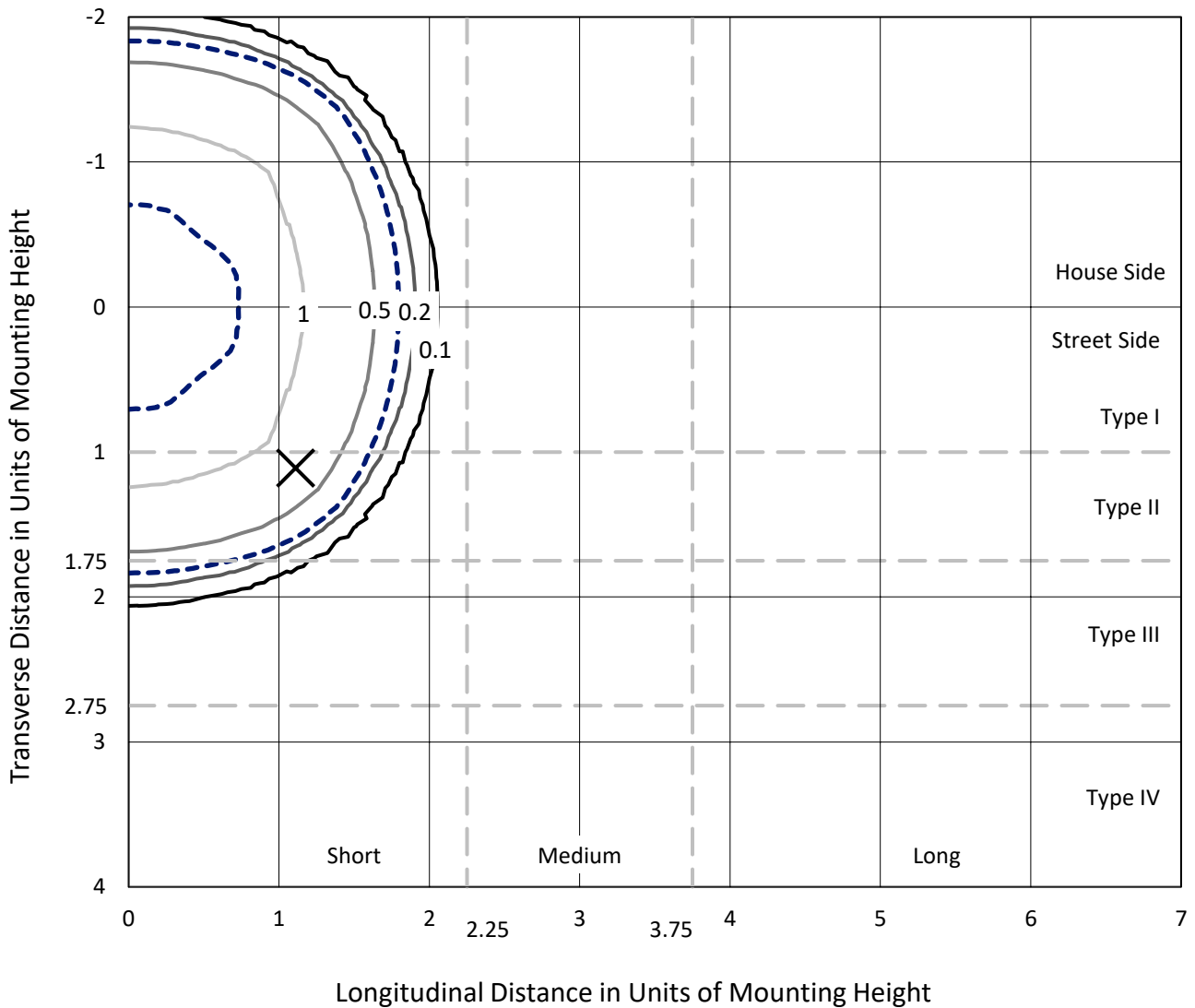
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529005
 CATALOG NUMBER: GALN-SA4A-827-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

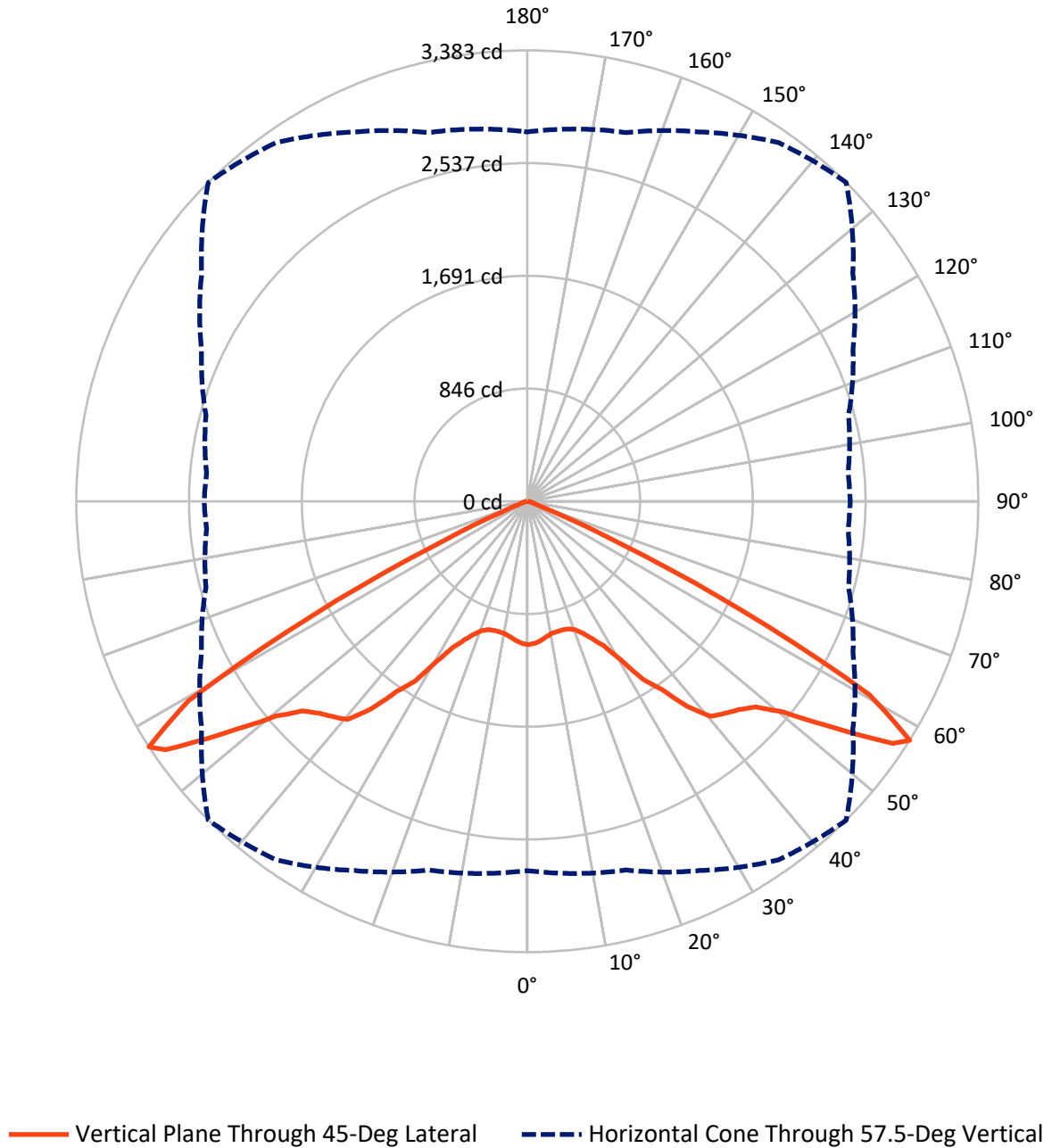
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

REPORT NUMBER: P529005
CATALOG NUMBER: GALN-SA4A-827-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P529005
 CATALOG NUMBER: GALN-SA4A-827-U-5WQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3468.5	0.0	3468.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3468.5	0.0	3468.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6937.0	0.0	6937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.4
10°-20°	285.8	4.1
20°-30°	527.6	7.6
30°-40°	1037.5	15.0
40°-50°	1689.8	24.4
50°-60°	2409.9	34.7
60°-70°	834.4	12.0
70°-80°	44.8	0.6
80°-90°	8.4	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°	6937.0	100.0
0°-180°	6937.0	100.0

Coefficient of Utilization

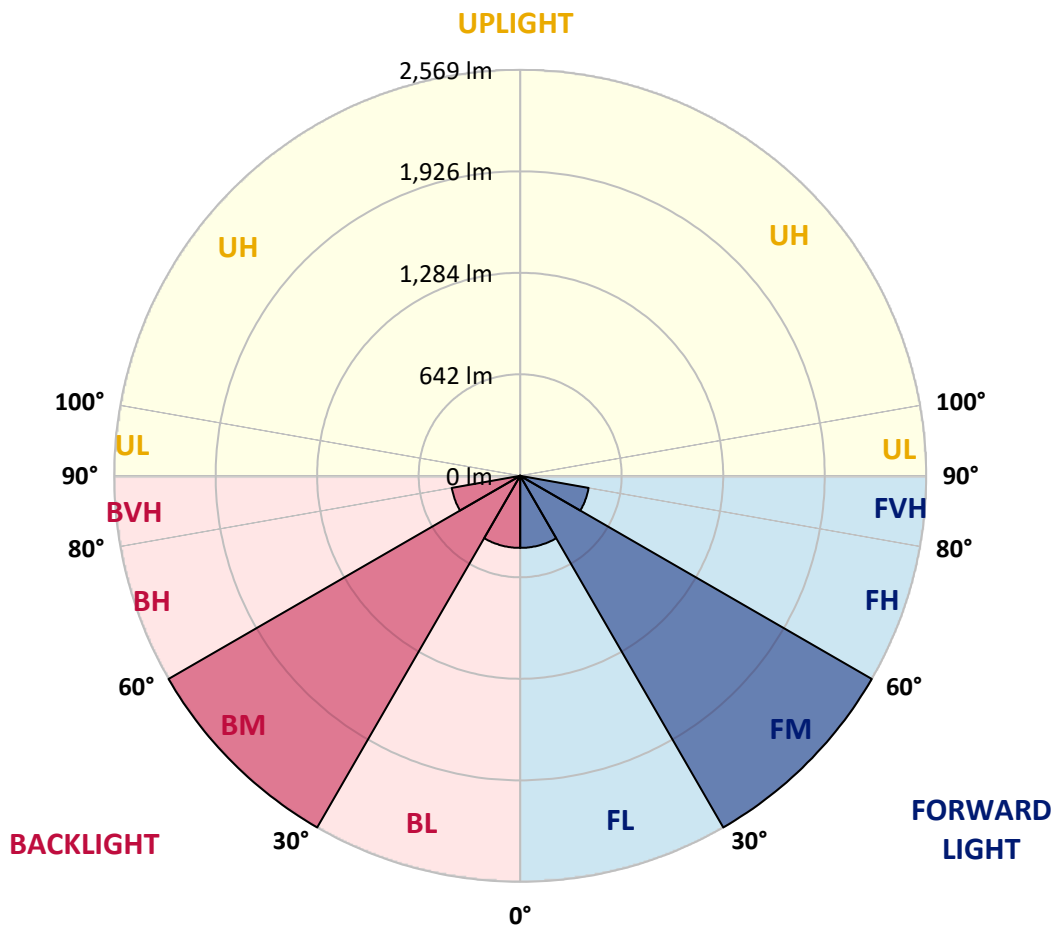


REPORT NUMBER: P529005
 CATALOG NUMBER: GALN-SA4A-827-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.1	6.6			
FM (30°-60°)	2568.6	37.0			
FH (60°-80°)	439.6	6.3			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	456.1	6.6	B1/500		
BM (30°-60°)	2568.6	37.0	B3/5000		
BH (60°-80°)	439.6	6.3	B1/500		G0/660
BVH (80°-90°)	4.2	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





REPORT NUMBER: P529005

CATALOG NUMBER: GALN-SA4A-827-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1076.0	1076.0	1076.0	1076.0	1076.0	1076.0	1076.0	1076.0	1076.0	1076.0	1076.0
2.5°	1073.1	1078.9	1071.7	1068.8	1067.3	1067.3	1063.0	1063.0	1061.5	1063.0	1057.2
5°	1055.8	1061.5	1061.5	1060.1	1051.4	1050.0	1045.6	1042.7	1044.2	1038.4	1042.7
7.5°	1038.4	1042.7	1037.0	1035.5	1032.6	1026.8	1025.4	1012.4	1013.8	1013.8	1016.7
10°	1035.5	1034.1	1025.4	1018.2	1009.5	1008.0	1003.7	1000.8	1000.8	999.4	1003.7
12.5°	1035.5	1028.3	1026.8	1010.9	996.5	1002.2	990.7	983.4	993.6	996.5	1002.2
15°	1034.1	1041.3	1016.7	1009.5	999.4	1000.8	990.7	983.4	989.2	992.1	996.5
17.5°	1042.7	1038.4	1031.2	1016.7	1012.4	1006.6	993.6	987.8	987.8	995.0	996.5
20°	1065.9	1054.3	1039.8	1032.6	1037.0	1029.7	1013.8	992.1	997.9	1003.7	1008.0
22.5°	1087.6	1078.9	1068.8	1064.4	1089.0	1077.4	1050.0	1025.4	1016.7	1026.8	1034.1
25°	1129.5	1129.5	1110.7	1116.5	1144.0	1145.4	1113.6	1070.2	1064.4	1068.8	1071.7
27.5°	1214.8	1219.2	1203.3	1209.1	1220.6	1230.7	1203.3	1167.1	1154.1	1152.7	1157.0
30°	1307.4	1316.1	1314.6	1339.2	1372.5	1378.3	1337.8	1278.5	1239.4	1232.2	1238.0
32.5°	1428.9	1433.2	1430.3	1459.3	1548.9	1590.9	1485.3	1401.4	1349.3	1362.4	1349.3
35°	1657.4	1653.1	1621.2	1627.0	1700.8	1731.1	1629.9	1576.4	1551.8	1577.8	1572.1
37.5°	1854.1	1838.2	1812.1	1849.7	1926.4	1953.9	1848.3	1754.3	1709.5	1752.8	1771.6
40°	2020.4	1979.9	1943.7	1981.3	2084.0	2121.6	1966.9	1890.2	1872.9	1904.7	1945.2
42.5°	2160.7	2134.6	2086.9	2089.8	2157.8	2175.1	2050.8	2005.9	1988.6	2039.2	2059.4
45°	2260.5	2235.9	2191.1	2188.2	2240.2	2228.7	2117.3	2086.9	2097.0	2130.3	2140.4
47.5°	2311.1	2324.1	2298.1	2305.3	2332.8	2305.3	2217.1	2217.1	2193.9	2214.2	2204.1
50°	2457.2	2416.7	2449.9	2449.9	2478.9	2481.7	2393.5	2361.7	2299.5	2264.8	2264.8
52.5°	2627.8	2630.7	2643.7	2691.4	2740.6	2782.6	2656.7	2520.8	2416.7	2371.8	2366.0
55°	2768.1	2797.0	2849.1	2938.8	3080.5	3138.3	2921.4	2678.4	2551.2	2481.7	2467.3
56°	2844.8	2817.3	2906.9	3029.9	3215.0	3290.2	2964.8	2710.3	2570.0	2491.9	2490.4
57.5°	2771.0	2801.4	2863.6	3057.3	3284.4	3382.8	2980.7	2695.8	2494.8	2415.2	2422.4
60°	2188.2	2217.1	2301.0	2517.9	2873.7	2950.3	2522.2	2222.9	2043.5	1929.3	1930.7
62.5°	1238.0	1259.7	1324.8	1525.8	1747.1	1820.8	1572.1	1372.5	1248.1	1184.5	1164.2
65°	455.6	446.9	457.0	559.7	695.6	757.8	653.7	552.5	487.4	464.2	455.6
67.5°	170.7	157.6	147.5	157.6	198.1	209.7	192.3	160.5	150.4	154.7	157.6
70°	105.6	99.8	79.5	75.2	73.8	72.3	76.7	81.0	92.6	108.5	111.4
72.5°	73.8	69.4	56.4	53.5	50.6	49.2	56.4	62.2	72.3	83.9	85.3
75°	28.9	30.4	28.9	31.8	33.3	34.7	40.5	44.8	49.2	49.2	47.7
77.5°	5.8	5.8	8.7	11.6	14.5	18.8	27.5	31.8	33.3	31.8	27.5
80°	0.0	0.0	2.9	5.8	11.6	15.9	24.6	27.5	30.4	27.5	21.7
82.5°	0.0	0.0	2.9	7.2	11.6	14.5	23.1	28.9	33.3	30.4	23.1
85°	0.0	0.0	2.9	5.8	8.7	10.1	10.1	7.2	7.2	4.3	2.9
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)