

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: P528073

Luminaire Tested: **GALN-SA3A-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528073
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-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 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: 6485 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

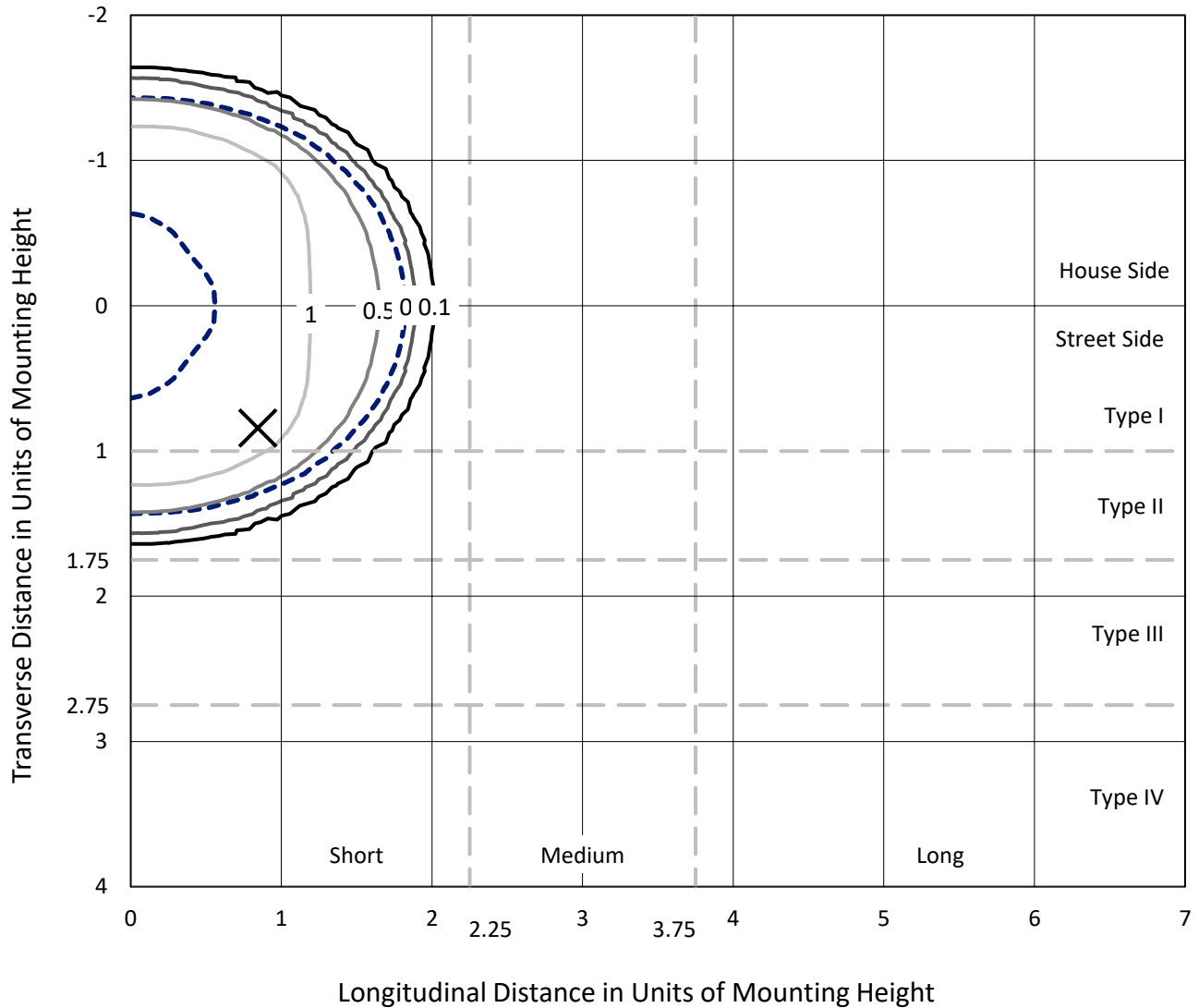
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

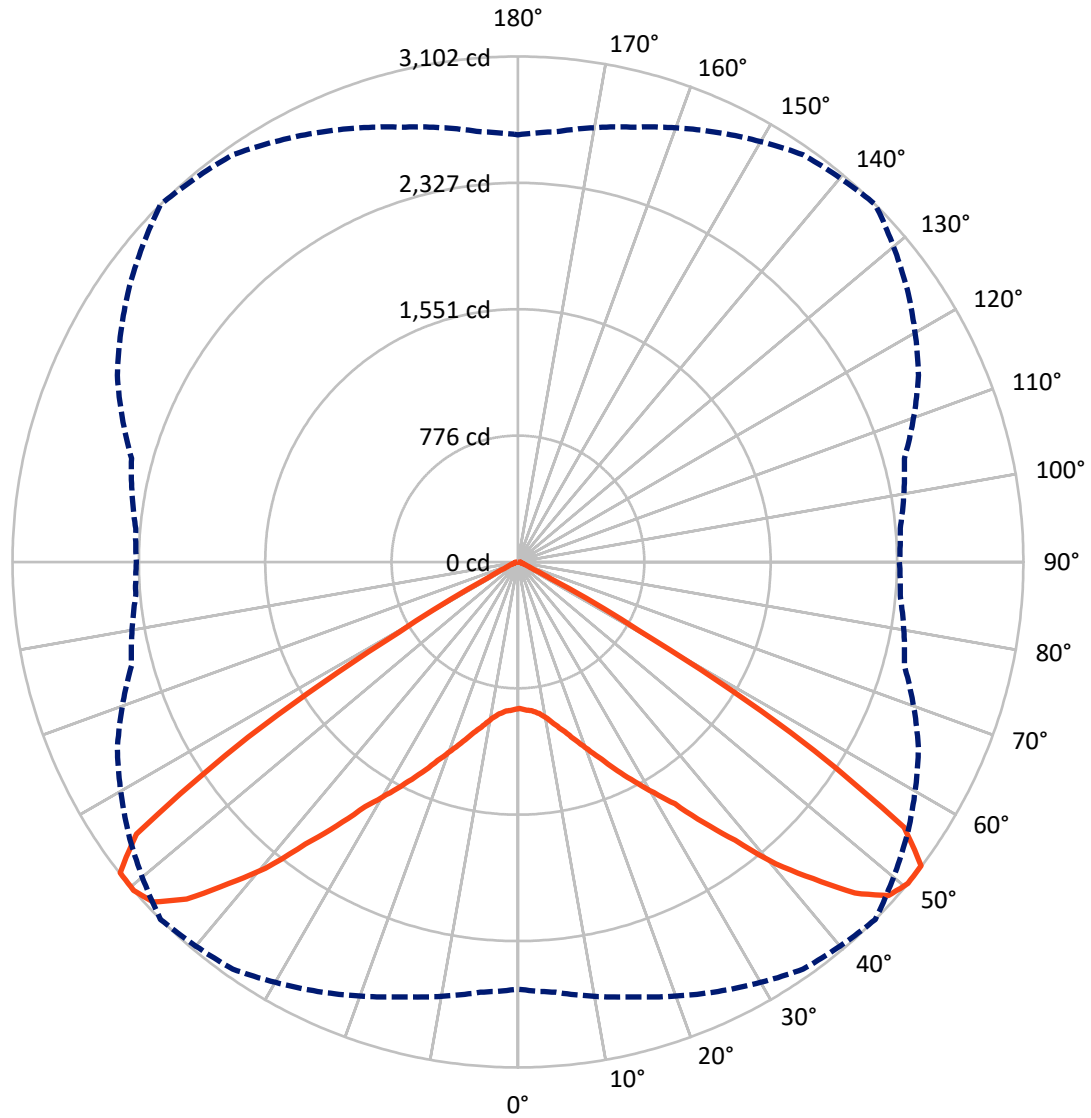
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P528073
CATALOG NUMBER: GALN-SA3A-827-U-RW-GRSBK

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GALN-SA3A-827-U-RW-GRSBK

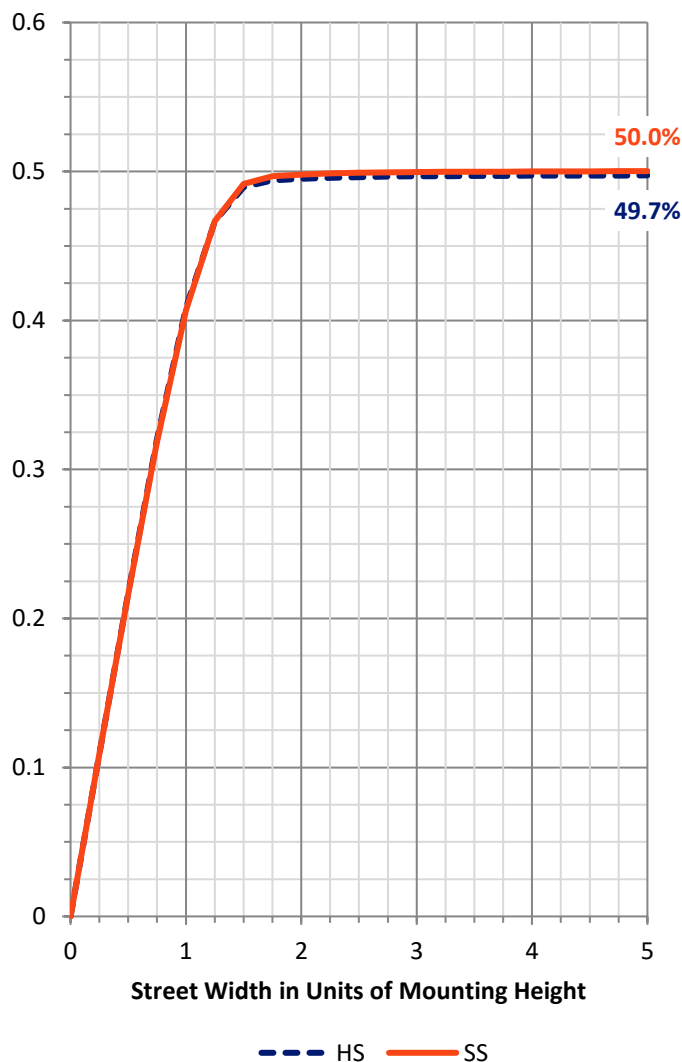
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3242.5	0.0	3242.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3242.5	0.0	3242.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6485.0	0.0	6485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.4
10°-20°	308.3	4.8
20°-30°	629.6	9.7
30°-40°	1200.7	18.5
40°-50°	2023.3	31.2
50°-60°	1929.6	29.8
60°-70°	269.4	4.2
70°-80°	25.8	0.4
80°-90°	8.9	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°	6485.0	100.0
0°-180°	6485.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528073

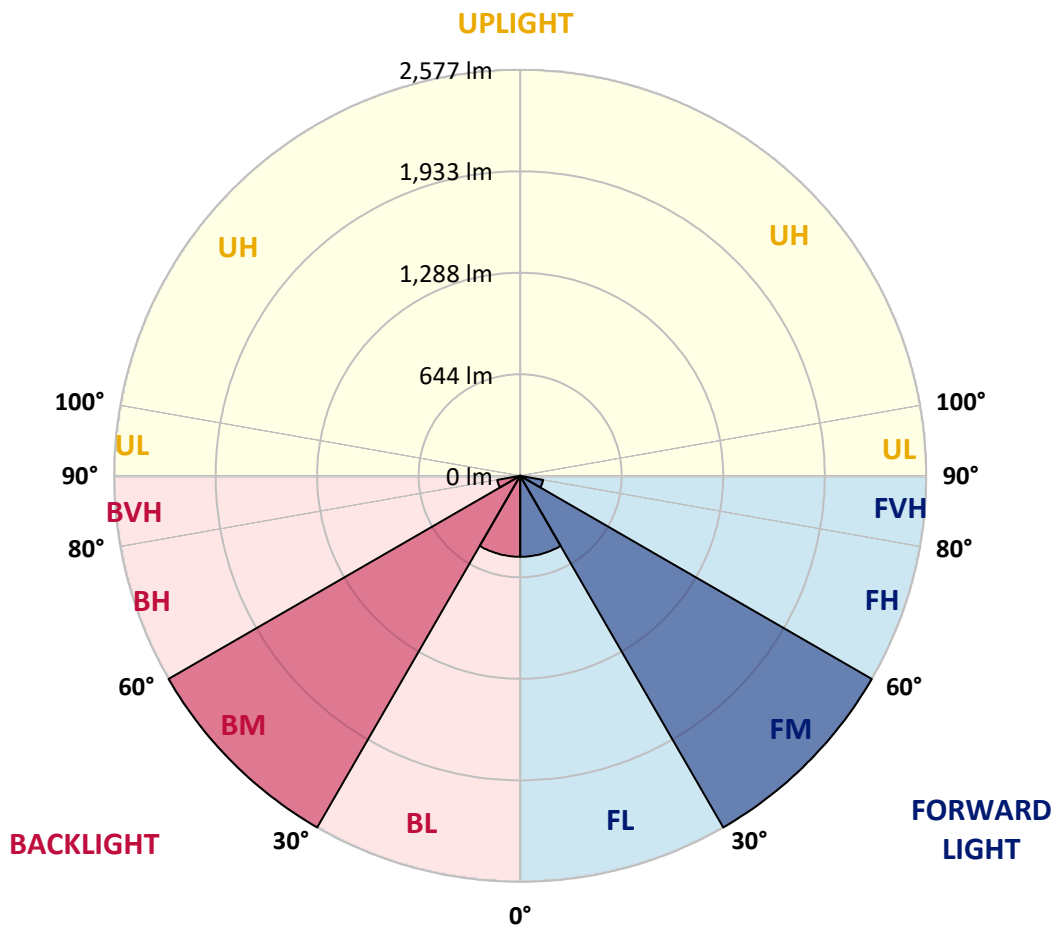
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.7	7.9			
FM (30°-60°)	2576.8	39.7			
FH (60°-80°)	147.6	2.3			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	513.7	7.9	B2/1000		
BM (30°-60°)	2576.8	39.7	B3/5000		
BH (60°-80°)	147.6	2.3	B1/500		G0/660
BVH (80°-90°)	4.5	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°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1
2.5°	895.8	895.8	894.7	903.4	899.1	908.9	907.8	911.1	914.3	913.3	922.0
5°	888.2	887.1	887.1	896.9	906.7	917.6	927.4	934.0	944.9	944.9	955.8
7.5°	895.8	890.3	898.0	902.3	920.9	939.4	955.8	968.9	994.0	1002.7	999.5
10°	898.0	904.5	910.0	923.1	946.0	974.4	988.5	1021.3	1049.6	1069.3	1073.7
12.5°	912.2	922.0	937.3	968.9	989.6	1026.7	1046.4	1078.0	1117.3	1139.1	1154.4
15°	939.4	942.7	962.4	1002.7	1047.5	1081.3	1111.8	1134.8	1172.9	1198.0	1199.1
17.5°	974.4	988.5	1015.8	1054.0	1100.9	1151.1	1175.1	1200.2	1214.4	1248.2	1255.9
20°	1044.2	1046.4	1072.6	1122.8	1181.7	1227.5	1245.0	1258.0	1252.6	1287.5	1294.1
22.5°	1109.7	1111.8	1144.6	1212.2	1275.5	1314.8	1322.4	1314.8	1298.4	1323.5	1325.7
25°	1176.2	1195.9	1219.9	1287.5	1366.1	1418.4	1419.5	1398.8	1365.0	1369.3	1380.3
27.5°	1279.9	1294.1	1319.2	1381.3	1467.5	1526.5	1516.6	1491.5	1447.9	1451.2	1447.9
30°	1401.0	1414.1	1434.8	1514.5	1577.7	1642.1	1656.3	1632.3	1566.8	1552.6	1569.0
32.5°	1547.2	1565.7	1603.9	1677.0	1730.5	1769.8	1779.6	1770.9	1709.8	1704.3	1715.2
35°	1725.0	1750.1	1785.1	1849.4	1893.1	1964.0	1964.0	1934.5	1878.9	1885.4	1884.3
37.5°	1912.7	1949.8	2004.4	2069.8	2128.8	2166.9	2154.9	2129.8	2074.2	2060.0	2074.2
40°	2148.4	2166.9	2235.7	2320.8	2392.8	2436.4	2385.2	2330.6	2197.5	2218.2	2256.4
42.5°	2363.3	2392.8	2445.2	2539.0	2620.8	2656.9	2595.7	2487.7	2327.3	2311.0	2339.3
45°	2546.6	2578.3	2647.0	2781.2	2867.4	2899.1	2763.8	2589.2	2405.9	2364.4	2376.4
47.5°	2668.9	2685.2	2781.2	2908.9	2987.5	3059.5	2865.3	2659.0	2443.0	2364.4	2360.1
50°	2621.9	2650.3	2762.7	2907.8	3050.7	3102.0	2916.5	2712.5	2455.0	2354.6	2341.5
52.5°	2328.4	2377.5	2503.0	2698.3	2914.4	3097.7	2987.5	2695.0	2450.6	2364.4	2384.1
55°	1620.3	1621.4	1774.1	2062.2	2444.1	2876.2	2883.8	2714.7	2479.0	2425.5	2426.6
57.5°	651.4	684.1	800.9	1090.0	1442.4	1974.9	2348.1	2518.3	2482.3	2469.2	2503.0
60°	164.8	165.8	201.9	307.7	507.4	846.7	1229.7	1663.9	1916.0	2002.2	2014.2
62.5°	84.0	85.1	93.8	109.1	138.6	227.0	403.7	640.5	911.1	1048.6	1084.6
65°	68.7	68.7	74.2	81.8	82.9	87.3	104.7	149.5	217.1	246.6	249.9
67.5°	52.4	52.4	56.7	61.1	63.3	62.2	60.0	62.2	75.3	72.0	69.8
70°	32.7	33.8	36.0	40.4	42.6	43.6	44.7	46.9	53.5	55.6	53.5
72.5°	19.6	19.6	20.7	24.0	27.3	29.5	32.7	34.9	38.2	43.6	42.6
75°	8.7	8.7	10.9	14.2	17.5	20.7	24.0	27.3	29.5	32.7	33.8
77.5°	2.2	3.3	5.5	9.8	13.1	17.5	21.8	25.1	27.3	27.3	26.2
80°	1.1	1.1	4.4	7.6	14.2	18.5	24.0	26.2	29.5	27.3	24.0
82.5°	1.1	1.1	4.4	7.6	13.1	18.5	25.1	28.4	30.6	27.3	22.9
85°	0.0	1.1	3.3	6.5	10.9	13.1	10.9	7.6	4.4	4.4	3.3
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)