

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: P527917

Luminaire Tested: **GALN-SA3A-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527917
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-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 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: 7378 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

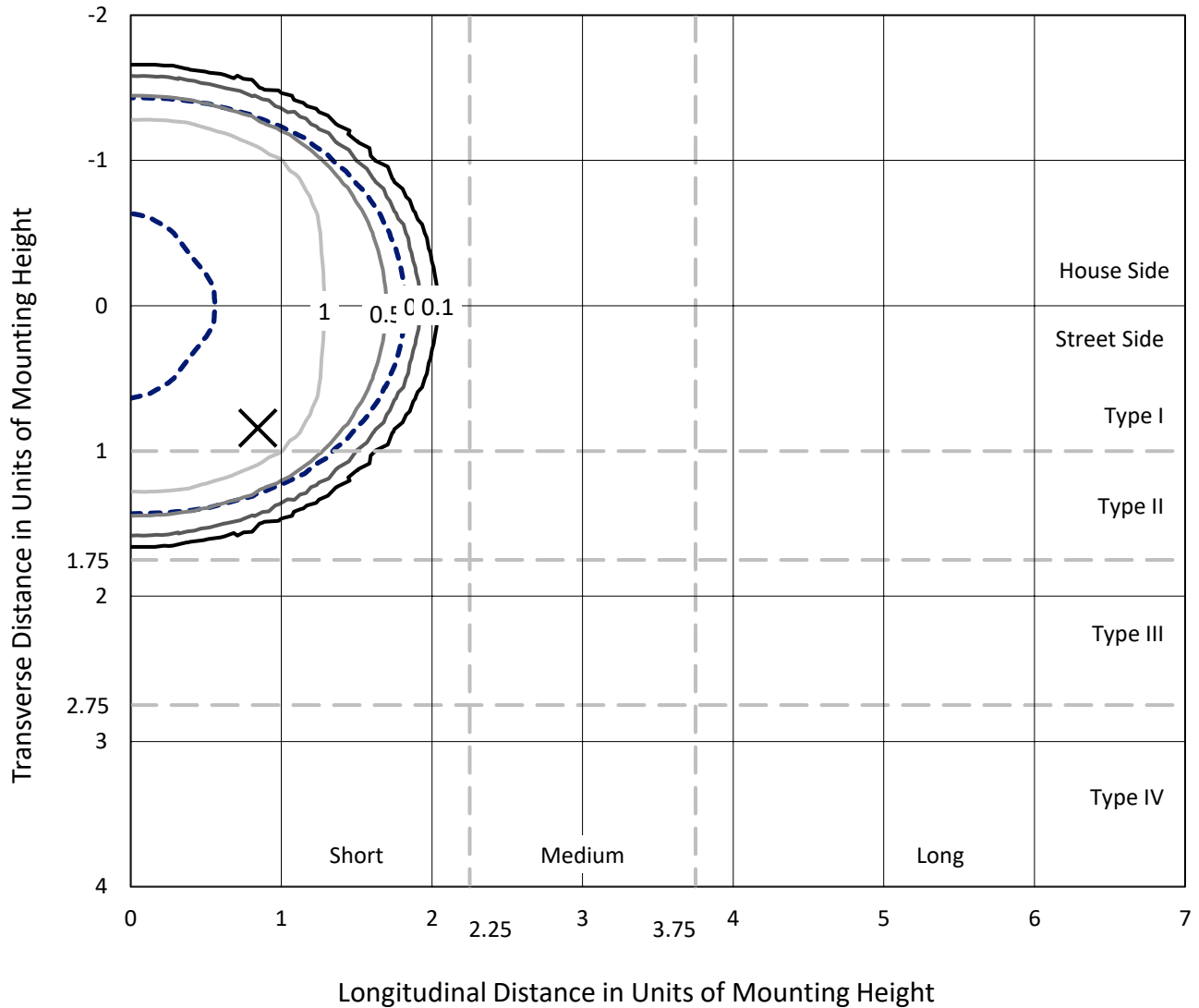
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

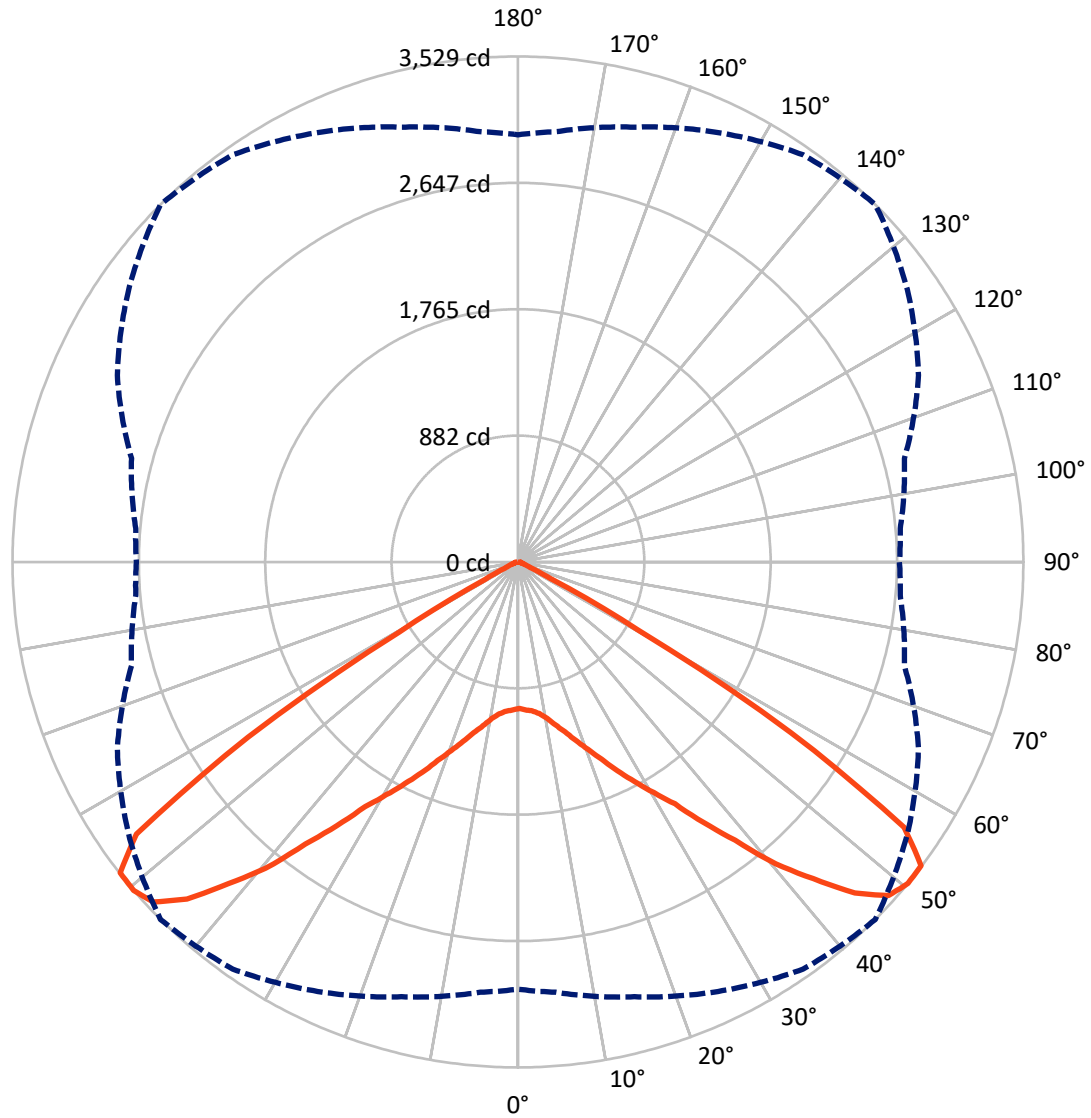
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	3689.0	0.0	3689.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3689.0	0.0	3689.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7378.0	0.0	7378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	1.4
10°-20°	350.7	4.8
20°-30°	716.3	9.7
30°-40°	1366.0	18.5
40°-50°	2302.0	31.2
50°-60°	2195.3	29.8
60°-70°	306.5	4.2
70°-80°	29.3	0.4
80°-90°	10.1	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°	7378.0	100.0
0°-180°	7378.0	100.0

Coefficient of Utilization



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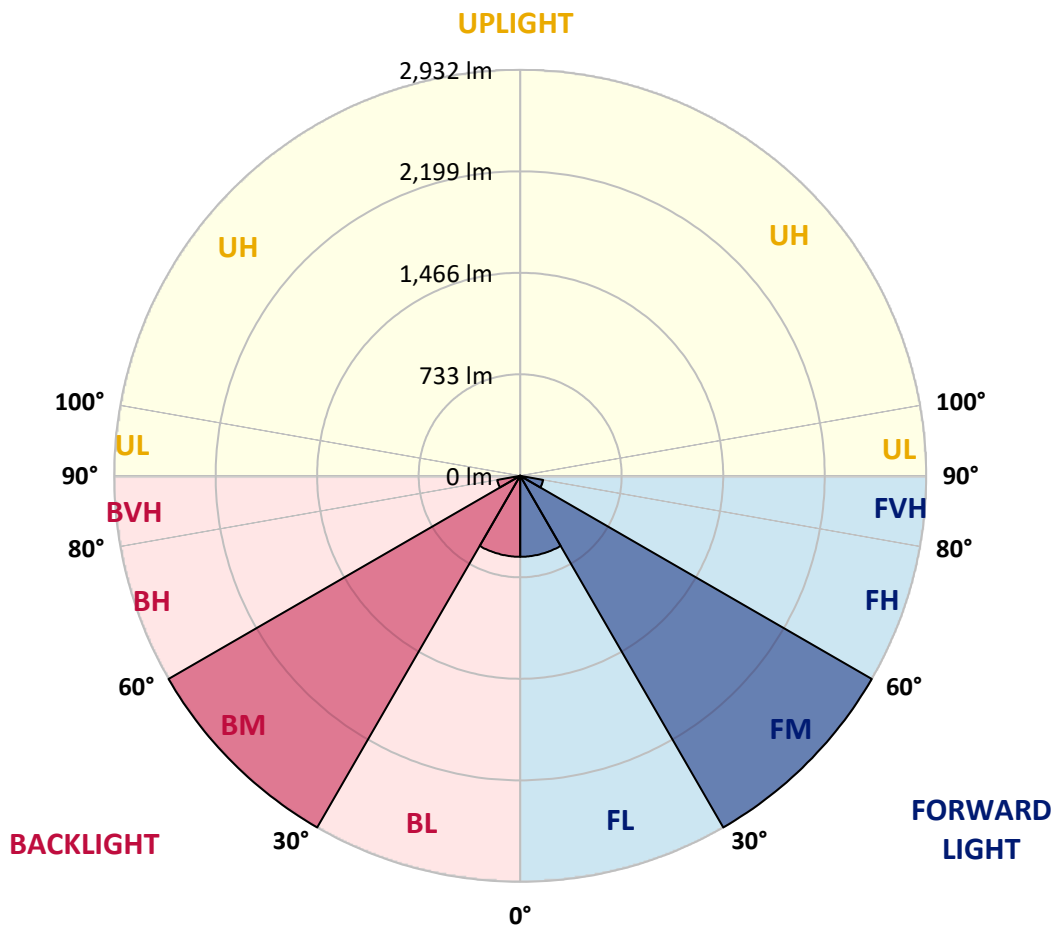
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.4	7.9			
FM (30°-60°)	2931.7	39.7			
FH (60°-80°)	167.9	2.3			G0/660
FVH (80°-90°)	5.1	0.1			G0/10
BL (0°-30°)	584.4	7.9	B2/1000		
BM (30°-60°)	2931.7	39.7	B3/5000		
BH (60°-80°)	167.9	2.3	B1/500		G0/660
BVH (80°-90°)	5.1	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°	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9
2.5°	1019.2	1019.2	1017.9	1027.8	1022.9	1034.1	1032.8	1036.5	1040.3	1039.0	1048.9
5°	1010.5	1009.2	1009.2	1020.4	1031.6	1044.0	1055.2	1062.6	1075.0	1075.0	1087.4
7.5°	1019.2	1012.9	1021.6	1026.6	1047.7	1068.8	1087.4	1102.3	1130.9	1140.8	1137.1
10°	1021.6	1029.1	1035.3	1050.2	1076.3	1108.5	1124.7	1161.9	1194.2	1216.5	1221.5
12.5°	1037.8	1048.9	1066.3	1102.3	1125.9	1168.1	1190.5	1226.5	1271.2	1296.0	1313.4
15°	1068.8	1072.5	1094.9	1140.8	1191.7	1230.2	1264.9	1291.0	1334.5	1363.0	1364.3
17.5°	1108.5	1124.7	1155.7	1199.2	1252.5	1309.6	1336.9	1365.5	1381.6	1420.1	1428.8
20°	1188.0	1190.5	1220.3	1277.4	1344.4	1396.5	1416.4	1431.3	1425.1	1464.8	1472.2
22.5°	1262.5	1264.9	1302.2	1379.1	1451.1	1495.8	1504.5	1495.8	1477.2	1505.8	1508.2
25°	1338.2	1360.5	1387.8	1464.8	1554.2	1613.8	1615.0	1591.4	1552.9	1557.9	1570.3
27.5°	1456.1	1472.2	1500.8	1571.6	1669.6	1736.7	1725.5	1696.9	1647.3	1651.0	1647.3
30°	1593.9	1608.8	1632.4	1723.0	1795.0	1868.2	1884.4	1857.1	1782.6	1766.5	1785.1
32.5°	1760.2	1781.3	1824.8	1908.0	1968.8	2013.5	2024.7	2014.7	1945.2	1939.0	1951.4
35°	1962.6	1991.1	2030.9	2104.1	2153.8	2234.4	2234.4	2200.9	2137.6	2145.1	2143.8
37.5°	2176.1	2218.3	2280.4	2354.9	2421.9	2465.3	2451.7	2423.1	2359.8	2343.7	2359.8
40°	2444.2	2465.3	2543.5	2640.4	2722.3	2772.0	2713.6	2651.5	2500.1	2523.7	2567.1
42.5°	2688.8	2722.3	2781.9	2888.6	2981.7	3022.7	2953.2	2830.3	2647.8	2629.2	2661.5
45°	2897.3	2933.3	3011.5	3164.2	3262.3	3298.3	3144.4	2945.7	2737.2	2690.0	2703.7
47.5°	3036.4	3055.0	3164.2	3309.5	3398.8	3480.8	3259.8	3025.2	2779.4	2690.0	2685.1
50°	2983.0	3015.3	3143.1	3308.2	3470.8	3529.2	3318.1	3086.0	2793.1	2678.8	2664.0
52.5°	2649.1	2704.9	2847.7	3069.9	3315.7	3524.2	3398.8	3066.2	2788.1	2690.0	2712.4
55°	1843.4	1844.7	2018.4	2346.2	2780.6	3272.2	3280.9	3088.5	2820.4	2759.5	2760.8
57.5°	741.1	778.3	911.2	1240.1	1641.1	2246.9	2671.4	2865.1	2824.1	2809.2	2847.7
60°	187.4	188.7	229.7	350.1	577.2	963.3	1399.0	1893.1	2179.8	2277.9	2291.5
62.5°	95.6	96.8	106.8	124.1	157.7	258.2	459.3	728.7	1036.5	1192.9	1233.9
65°	78.2	78.2	84.4	93.1	94.3	99.3	119.2	170.1	247.0	280.5	284.3
67.5°	59.6	59.6	64.6	69.5	72.0	70.8	68.3	70.8	85.7	81.9	79.4
70°	37.2	38.5	41.0	45.9	48.4	49.7	50.9	53.4	60.8	63.3	60.8
72.5°	22.3	22.3	23.6	27.3	31.0	33.5	37.2	39.7	43.4	49.7	48.4
75°	9.9	9.9	12.4	16.1	19.9	23.6	27.3	31.0	33.5	37.2	38.5
77.5°	2.5	3.7	6.2	11.2	14.9	19.9	24.8	28.6	31.0	31.0	29.8
80°	1.2	1.2	5.0	8.7	16.1	21.1	27.3	29.8	33.5	31.0	27.3
82.5°	1.2	1.2	5.0	8.7	14.9	21.1	28.6	32.3	34.8	31.0	26.1
85°	0.0	1.2	3.7	7.4	12.4	14.9	12.4	8.7	5.0	5.0	3.7
87.5°	0.0	0.0	1.2	1.2	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)