

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: P527241

Luminaire Tested: **GALN-SA2B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527241
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-SA2B-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA 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: 6735 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

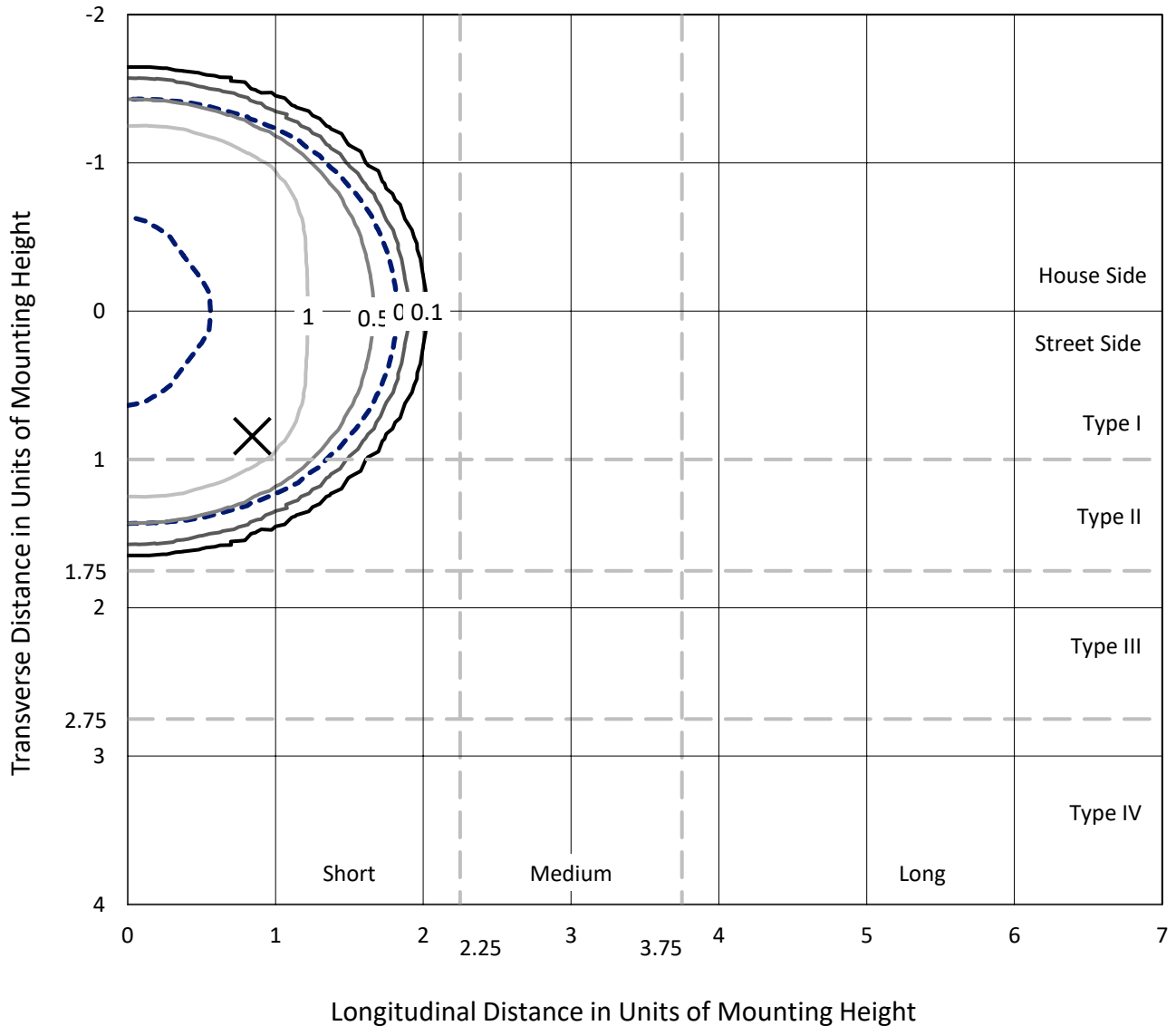
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

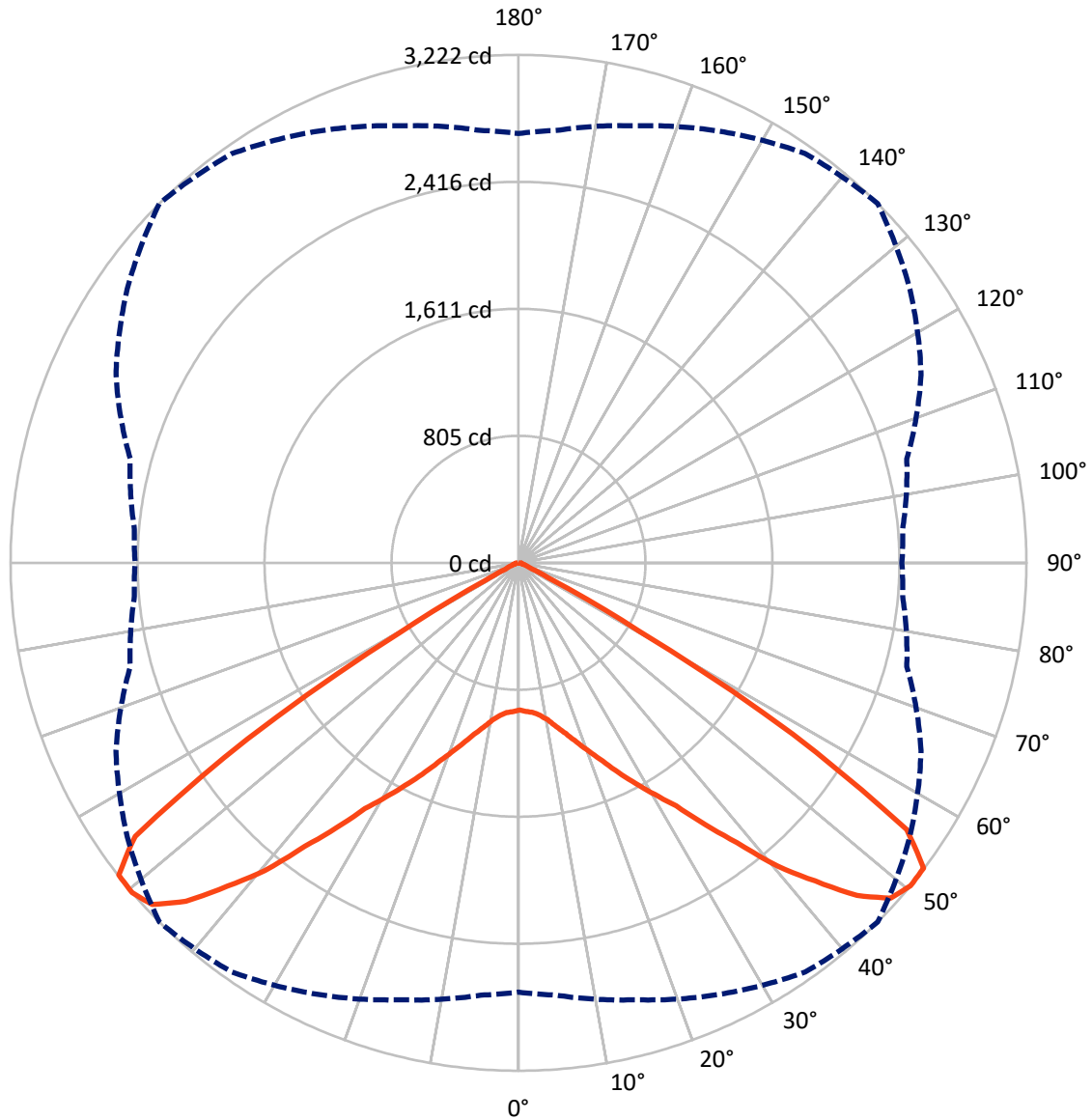
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	3367.5	0.0	3367.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3367.5	0.0	3367.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6735.0	0.0	6735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	1.4
10°-20°	320.2	4.8
20°-30°	653.9	9.7
30°-40°	1247.0	18.5
40°-50°	2101.3	31.2
50°-60°	2004.0	29.8
60°-70°	279.8	4.2
70°-80°	26.7	0.4
80°-90°	9.2	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°	6735.0	100.0
0°-180°	6735.0	100.0

Coefficient of Utilization



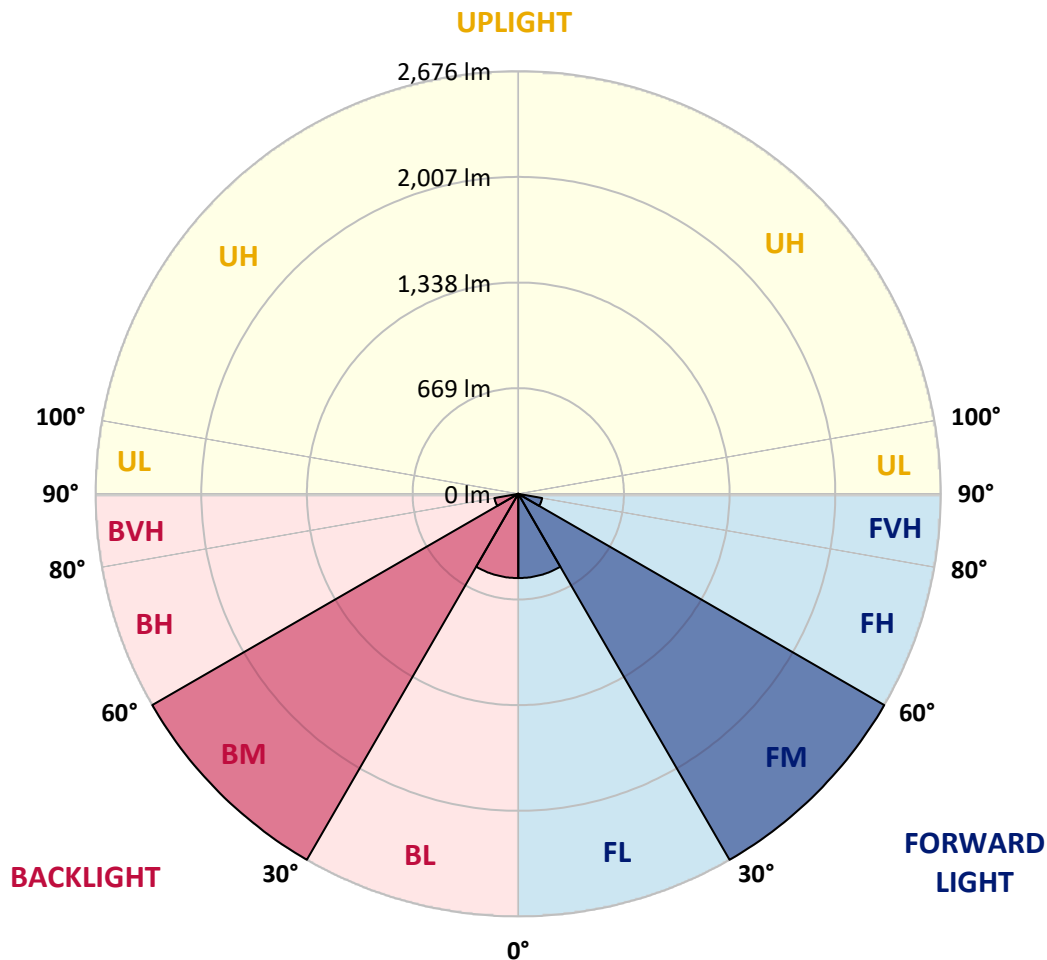
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.5	7.9			
FM (30°-60°)	2676.2	39.7			
FH (60°-80°)	153.2	2.3			G0/660
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	533.5	7.9	B2/1000		
BM (30°-60°)	2676.2	39.7	B3/5000		
BH (60°-80°)	153.2	2.3	B1/500		G0/660
BVH (80°-90°)	4.6	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°	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7
2.5°	930.3	930.3	929.2	938.3	933.7	943.9	942.8	946.2	949.6	948.5	957.5
5°	922.4	921.3	921.3	931.5	941.7	953.0	963.2	970.0	981.3	981.3	992.7
7.5°	930.3	924.7	932.6	937.1	956.4	975.7	992.7	1006.3	1032.3	1041.4	1038.0
10°	932.6	939.4	945.1	958.7	982.5	1011.9	1026.7	1060.6	1090.1	1110.5	1115.0
12.5°	947.3	957.5	973.4	1006.3	1027.8	1066.3	1086.7	1119.6	1160.4	1183.0	1198.9
15°	975.7	979.1	999.5	1041.4	1087.8	1123.0	1154.7	1178.5	1218.2	1244.2	1245.4
17.5°	1011.9	1026.7	1055.0	1094.6	1143.4	1195.5	1220.4	1246.5	1261.2	1296.3	1304.3
20°	1084.4	1086.7	1113.9	1166.0	1227.2	1274.8	1292.9	1306.5	1300.9	1337.1	1343.9
22.5°	1152.4	1154.7	1188.7	1259.0	1324.7	1365.5	1373.4	1365.5	1348.5	1374.5	1376.8
25°	1221.6	1242.0	1266.9	1337.1	1418.7	1473.1	1474.3	1452.7	1417.6	1422.1	1433.5
27.5°	1329.2	1343.9	1370.0	1434.6	1524.1	1585.3	1575.1	1549.0	1503.7	1507.1	1503.7
30°	1455.0	1468.6	1490.1	1572.8	1638.6	1705.4	1720.2	1695.2	1627.2	1612.5	1629.5
32.5°	1606.8	1626.1	1665.8	1741.7	1797.2	1838.0	1848.2	1839.1	1775.7	1770.0	1781.3
35°	1791.5	1817.6	1853.9	1920.7	1966.1	2039.7	2039.7	2009.1	1951.3	1958.1	1957.0
37.5°	1986.5	2025.0	2081.6	2149.6	2210.8	2250.5	2238.0	2212.0	2154.2	2139.4	2154.2
40°	2231.2	2250.5	2321.9	2410.3	2485.0	2530.4	2477.1	2420.5	2282.2	2303.7	2343.4
42.5°	2454.5	2485.0	2539.4	2636.9	2721.9	2759.3	2695.8	2583.6	2417.1	2400.1	2429.5
45°	2644.8	2677.7	2749.1	2888.5	2978.0	3010.8	2870.3	2689.0	2498.6	2455.6	2468.0
47.5°	2771.7	2788.7	2888.5	3021.0	3102.6	3177.4	2975.7	2761.5	2537.2	2455.6	2451.1
50°	2723.0	2752.5	2869.2	3019.9	3168.3	3221.6	3029.0	2817.1	2549.6	2445.4	2431.8
52.5°	2418.2	2469.2	2599.5	2802.3	3026.7	3217.1	3102.6	2798.9	2545.1	2455.6	2476.0
55°	1682.8	1683.9	1842.5	2141.7	2538.3	2987.0	2995.0	2819.3	2574.6	2519.0	2520.2
57.5°	676.5	710.5	831.7	1132.0	1498.1	2051.0	2438.6	2615.4	2578.0	2564.4	2599.5
60°	171.1	172.2	209.6	319.6	526.9	879.3	1277.1	1728.1	1989.8	2079.4	2091.8
62.5°	87.3	88.4	97.5	113.3	143.9	235.7	419.3	665.2	946.2	1089.0	1126.4
65°	71.4	71.4	77.1	85.0	86.1	90.7	108.8	155.2	225.5	256.1	259.5
67.5°	54.4	54.4	58.9	63.5	65.7	64.6	62.3	64.6	78.2	74.8	72.5
70°	34.0	35.1	37.4	41.9	44.2	45.3	46.5	48.7	55.5	57.8	55.5
72.5°	20.4	20.4	21.5	24.9	28.3	30.6	34.0	36.3	39.7	45.3	44.2
75°	9.1	9.1	11.3	14.7	18.1	21.5	24.9	28.3	30.6	34.0	35.1
77.5°	2.3	3.4	5.7	10.2	13.6	18.1	22.7	26.1	28.3	28.3	27.2
80°	1.1	1.1	4.5	7.9	14.7	19.3	24.9	27.2	30.6	28.3	24.9
82.5°	1.1	1.1	4.5	7.9	13.6	19.3	26.1	29.5	31.7	28.3	23.8
85°	0.0	1.1	3.4	6.8	11.3	13.6	11.3	7.9	4.5	4.5	3.4
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)