

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: P939590

Luminaire Tested: **GALN-SB2B-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11391 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

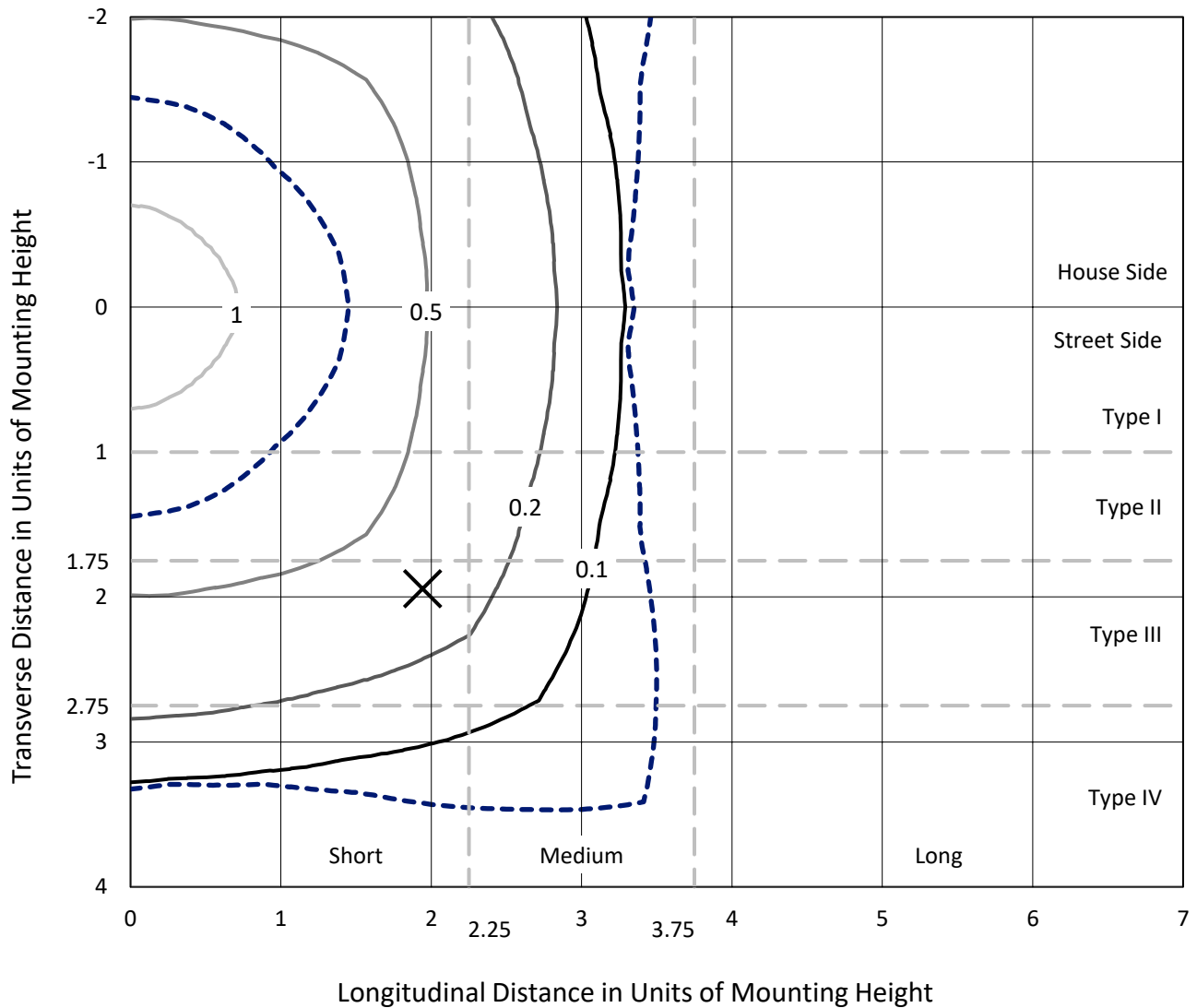
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

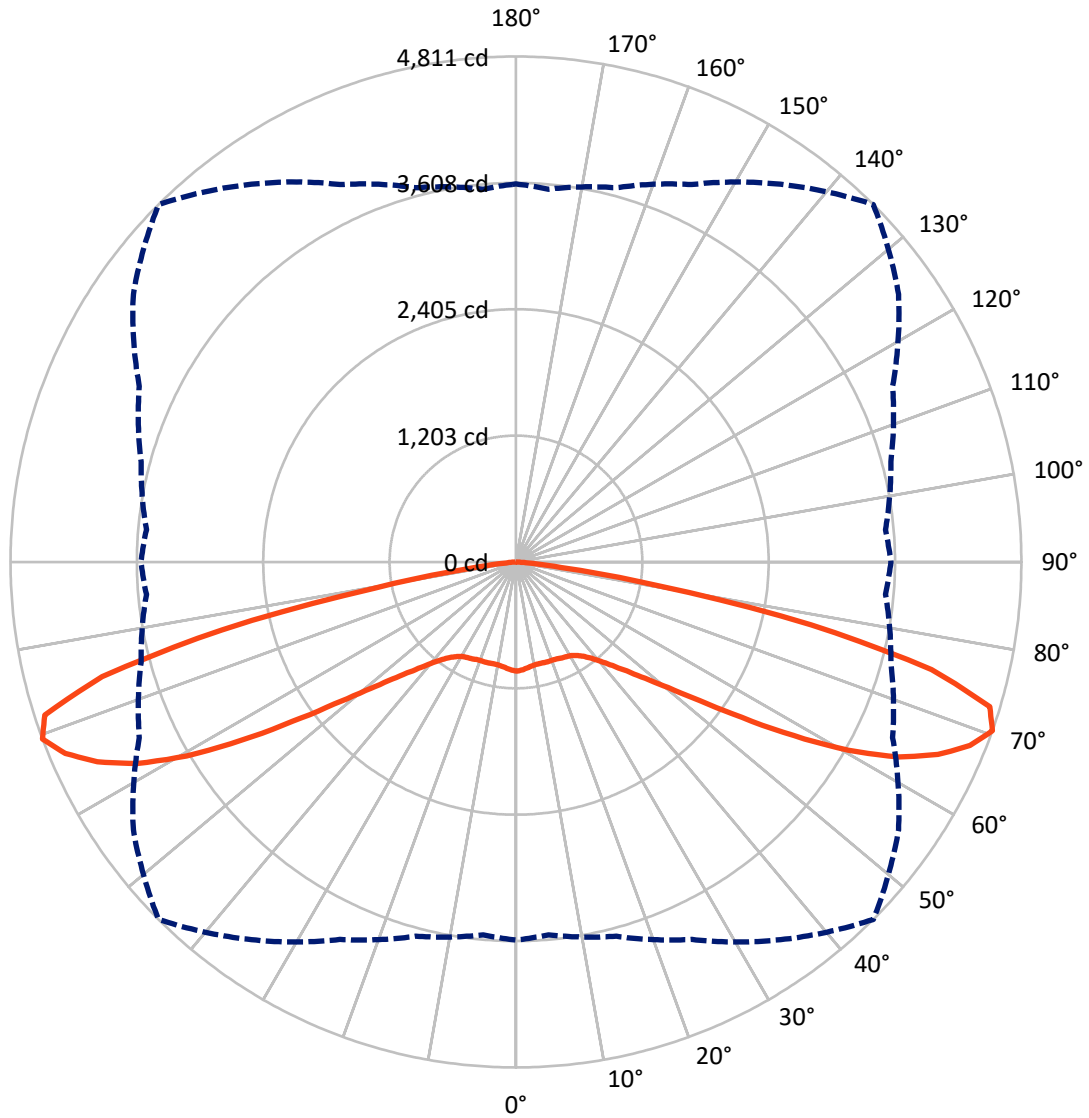
× Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5695.5	0.0	5695.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5695.5	0.0	5695.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11391.0	0.0	11391.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	0.8
10°-20°	283.8	2.5
20°-30°	472.3	4.1
30°-40°	714.3	6.3
40°-50°	1187.0	10.4
50°-60°	2239.8	19.7
60°-70°	3781.9	33.2
70°-80°	2485.1	21.8
80°-90°	130.2	1.1
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°	11391.0	100.0
0°-180°	11391.0	100.0



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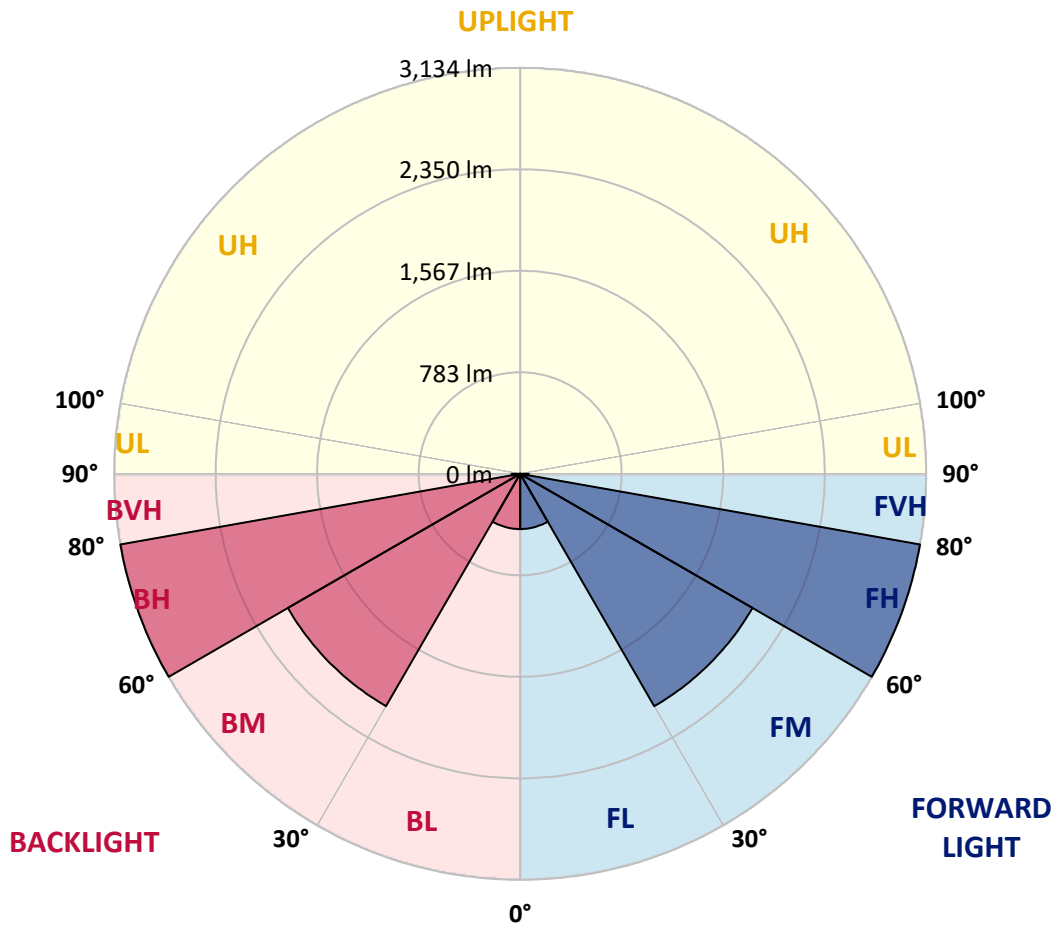
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.4	3.7			
FM (30°-60°)	2070.5	18.2			
FH (60°-80°)	3133.5	27.5			G2/5000
FVH (80°-90°)	65.1	0.6			G1/100
BL (0°-30°)	426.4	3.7	B1/500		
BM (30°-60°)	2070.5	18.2	B2/2500		
BH (60°-80°)	3133.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	65.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1032.6	1035.5	1034.4	1032.0	1032.0	1030.2	1032.0	1033.2	1034.9	1036.1
5°	1019.0	1021.3	1020.7	1019.0	1019.6	1017.8	1019.0	1020.7	1021.9	1022.5
7.5°	1007.1	1009.5	1008.3	1005.3	1005.3	1003.6	1004.2	1005.9	1007.7	1008.3
10°	1004.2	1006.5	1003.0	998.2	996.5	994.1	994.7	996.5	1000.0	1001.8
12.5°	1005.3	1007.1	1003.6	996.5	994.7	992.3	992.3	994.1	998.8	1001.2
15°	1008.9	1010.7	1005.3	997.6	995.9	994.1	993.5	995.9	1001.2	1005.3
17.5°	1015.4	1017.2	1008.9	998.2	995.9	996.5	995.9	997.6	1005.9	1013.6
20°	1021.3	1022.5	1011.3	998.2	995.9	996.5	995.9	999.4	1010.1	1020.7
22.5°	1023.1	1024.3	1013.6	1002.4	1000.6	1001.2	1000.6	1004.2	1014.2	1024.9
25°	1023.7	1025.5	1017.2	1008.3	1011.3	1012.4	1011.3	1011.9	1019.6	1029.0
27.5°	1032.6	1034.9	1027.2	1019.6	1021.3	1020.7	1022.5	1024.3	1030.2	1039.7
30°	1050.9	1052.7	1046.2	1038.5	1037.3	1033.2	1038.5	1044.4	1050.9	1059.2
32.5°	1081.1	1084.7	1076.4	1068.1	1062.8	1060.4	1064.5	1074.6	1083.5	1092.4
35°	1131.5	1133.8	1126.1	1110.7	1101.3	1101.3	1104.8	1117.8	1132.0	1143.3
37.5°	1202.5	1205.5	1191.8	1173.5	1159.3	1159.3	1164.0	1177.6	1198.9	1214.9
40°	1288.9	1293.1	1275.9	1257.0	1243.4	1241.0	1246.9	1262.3	1282.4	1302.6
42.5°	1393.1	1397.9	1375.4	1358.8	1348.2	1348.2	1351.1	1365.3	1383.7	1408.5
45°	1526.4	1534.7	1503.9	1487.3	1477.2	1479.6	1481.4	1493.8	1510.4	1538.8
47.5°	1685.0	1693.3	1660.8	1643.6	1641.8	1653.1	1646.0	1654.8	1663.7	1696.3
50°	1865.0	1879.2	1856.7	1855.6	1859.1	1879.8	1863.3	1868.0	1857.9	1878.6
52.5°	2085.3	2106.0	2101.9	2109.0	2148.6	2191.3	2153.4	2136.8	2098.9	2105.4
55°	2352.3	2383.7	2389.6	2432.2	2522.2	2609.3	2528.7	2461.8	2381.3	2366.5
57.5°	2656.0	2680.9	2709.3	2796.4	2964.5	3119.0	2964.5	2816.5	2689.8	2659.6
60°	2982.9	3013.7	3040.9	3169.4	3419.2	3636.5	3414.5	3179.4	3011.9	2971.0
62.5°	3334.0	3373.6	3392.6	3535.3	3826.6	4085.9	3830.7	3545.9	3360.0	3316.2
65°	3670.9	3703.4	3724.7	3876.9	4155.2	4415.1	4174.1	3893.5	3702.2	3644.8
67.5°	3827.8	3845.5	3897.6	4069.9	4363.6	4660.2	4413.3	4088.3	3874.5	3773.9
70°	3598.0	3561.9	3687.4	3963.3	4388.4	4810.6	4445.3	3955.0	3693.4	3529.9
72.5°	2780.4	2718.2	2936.1	3408.0	4104.3	4714.7	4132.7	3434.6	3071.7	2740.1
75°	1512.7	1442.3	1743.1	2339.9	3273.0	4086.5	3348.2	2406.8	1940.8	1501.5
77.5°	426.9	400.2	643.0	1132.0	1968.6	2869.2	2044.4	1156.9	762.6	452.3
80°	130.8	126.7	171.7	341.0	836.0	1374.2	803.4	345.2	218.5	138.0
82.5°	77.6	71.0	85.3	124.3	213.1	431.6	207.2	129.7	104.2	69.9
85°	44.4	41.4	50.3	60.4	71.6	91.8	59.8	61.6	55.7	37.3
87.5°	18.4	16.6	19.5	18.9	16.6	21.3	16.0	18.9	22.5	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1039.1
1035.5
1022.5
1008.3
1001.8
1001.8
1005.9
1013.6
1021.3
1024.9
1028.4
1037.3
1057.4
1088.8
1139.1
1209.0
1296.0
1406.8
1537.6
1686.8
1866.2
2083.5
2343.4
2638.3
2935.5
3280.7
3616.4
3775.1
3569.0
2822.4
1599.2
502.7
145.7
75.8
39.1
13.6
0.0

OF REPORT)