

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: P940160

Luminaire Tested: **GALN-SB3A-835-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940160
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-SB3A-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12627 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

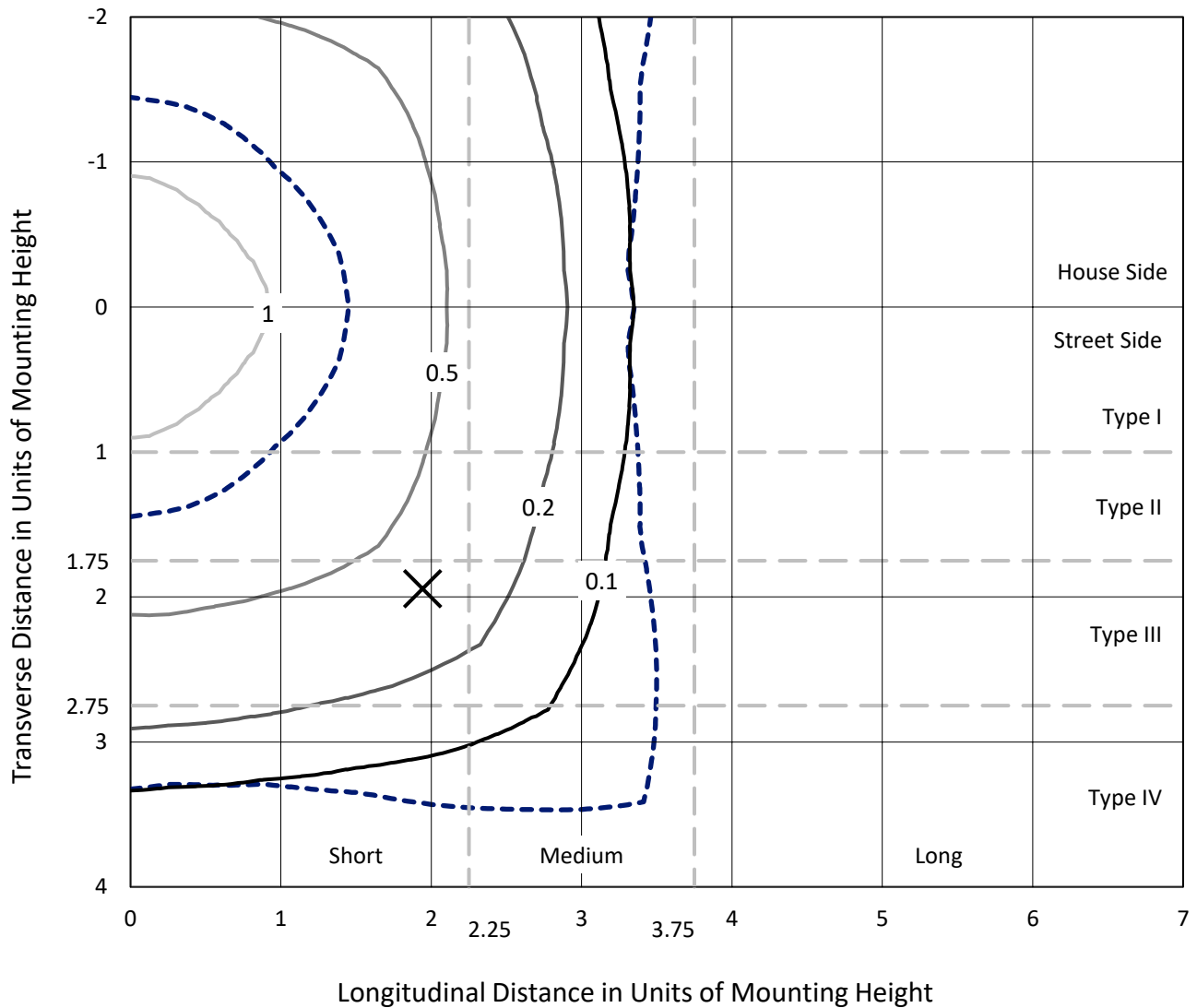
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

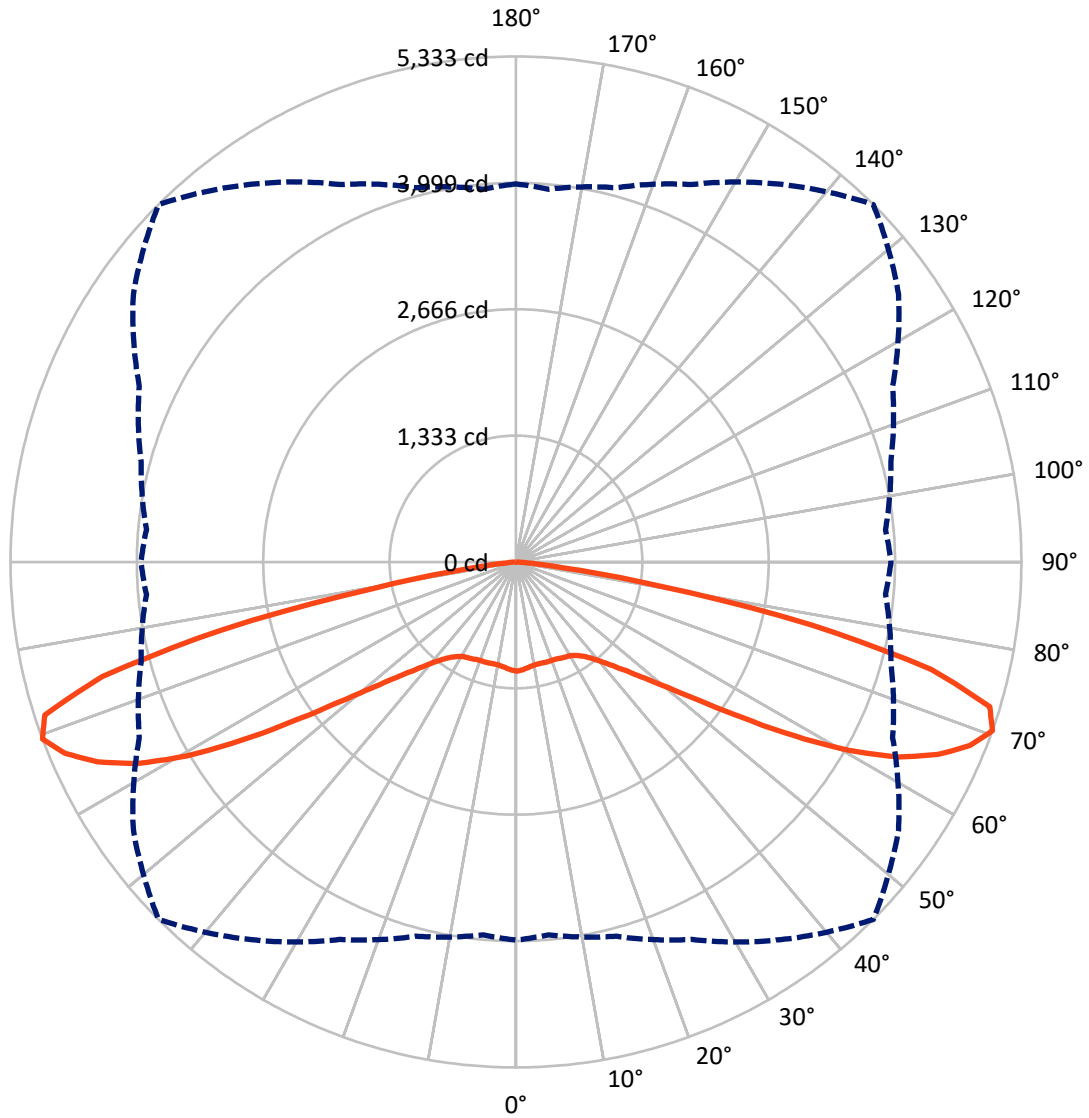
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6313.5	0.0	6313.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6313.5	0.0	6313.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12627.0	0.0	12627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	0.8
10°-20°	314.6	2.5
20°-30°	523.6	4.1
30°-40°	791.8	6.3
40°-50°	1315.8	10.4
50°-60°	2482.8	19.7
60°-70°	4192.3	33.2
70°-80°	2754.8	21.8
80°-90°	144.3	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°	12627.0	100.0
0°-180°	12627.0	100.0

Coefficient of Utilization



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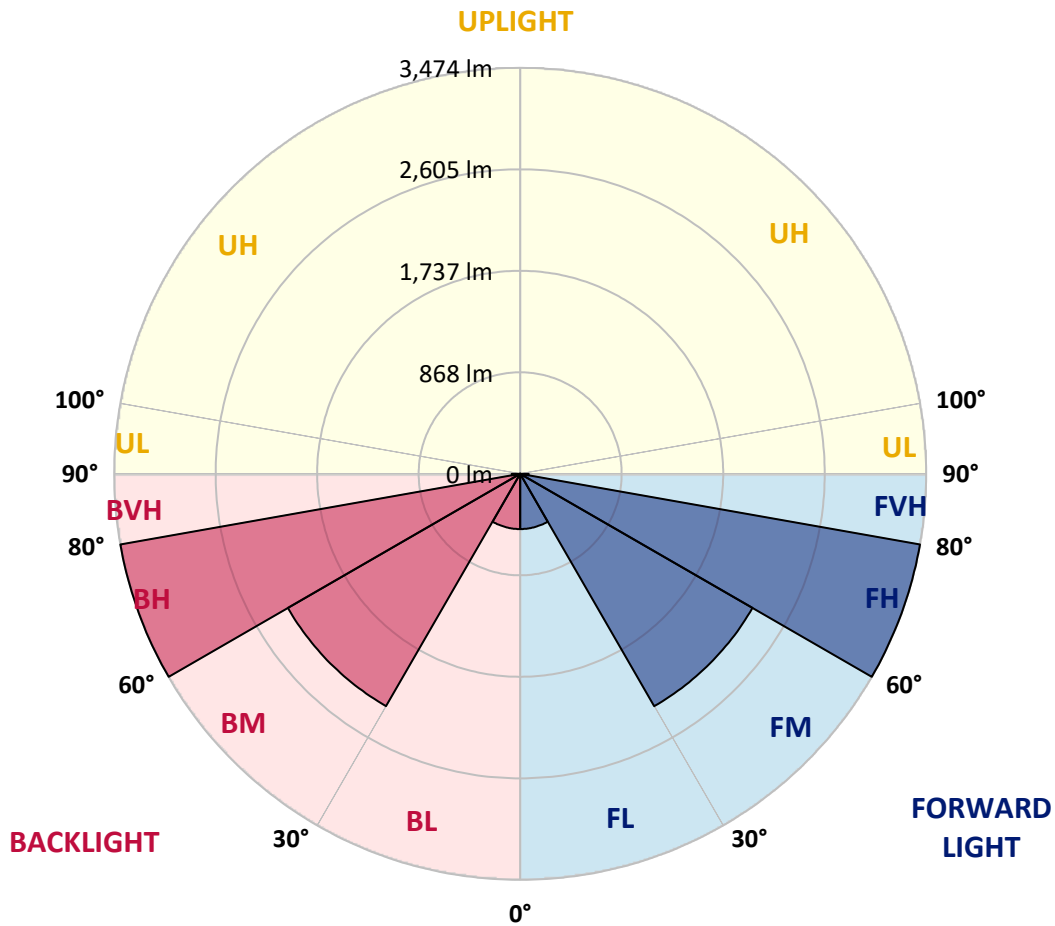
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.7	3.7			
FM (30°-60°)	2295.2	18.2			
FH (60°-80°)	3473.5	27.5			G2/5000
FVH (80°-90°)	72.2	0.6			G1/100
BL (0°-30°)	472.7	3.7	B1/500		
BM (30°-60°)	2295.2	18.2	B2/2500		
BH (60°-80°)	3473.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	72.2	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°	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8
2.5°	1144.6	1147.9	1146.6	1144.0	1144.0	1142.0	1144.0	1145.3	1147.2	1148.6
5°	1129.5	1132.1	1131.5	1129.5	1130.2	1128.2	1129.5	1131.5	1132.8	1133.5
7.5°	1116.4	1119.0	1117.7	1114.4	1114.4	1112.5	1113.1	1115.1	1117.1	1117.7
10°	1113.1	1115.7	1111.8	1106.6	1104.6	1102.0	1102.6	1104.6	1108.5	1110.5
12.5°	1114.4	1116.4	1112.5	1104.6	1102.6	1100.0	1100.0	1102.0	1107.2	1109.8
15°	1118.4	1120.3	1114.4	1105.9	1103.9	1102.0	1101.3	1103.9	1109.8	1114.4
17.5°	1125.6	1127.6	1118.4	1106.6	1103.9	1104.6	1103.9	1105.9	1115.1	1123.6
20°	1132.1	1133.5	1121.0	1106.6	1103.9	1104.6	1103.9	1107.9	1119.7	1131.5
22.5°	1134.1	1135.4	1123.6	1111.1	1109.2	1109.8	1109.2	1113.1	1124.3	1136.1
25°	1134.8	1136.7	1127.6	1117.7	1121.0	1122.3	1121.0	1121.6	1130.2	1140.7
27.5°	1144.6	1147.2	1138.7	1130.2	1132.1	1131.5	1133.5	1135.4	1142.0	1152.5
30°	1165.0	1166.9	1159.7	1151.2	1149.9	1145.3	1151.2	1157.7	1165.0	1174.2
32.5°	1198.4	1202.4	1193.2	1184.0	1178.1	1175.5	1180.1	1191.2	1201.1	1210.9
35°	1254.2	1256.8	1248.3	1231.3	1220.7	1220.7	1224.7	1239.1	1254.9	1267.3
37.5°	1333.0	1336.3	1321.2	1300.8	1285.1	1285.1	1290.3	1305.4	1329.0	1346.8
40°	1428.8	1433.4	1414.4	1393.4	1378.3	1375.6	1382.2	1399.3	1421.6	1443.9
42.5°	1544.3	1549.6	1524.6	1506.2	1494.4	1494.4	1497.7	1513.5	1533.8	1561.4
45°	1692.0	1701.2	1667.0	1648.7	1637.5	1640.1	1642.1	1655.9	1674.3	1705.8
47.5°	1867.9	1877.1	1841.0	1821.9	1820.0	1832.4	1824.6	1834.4	1844.3	1880.3
50°	2067.4	2083.2	2058.2	2056.9	2060.8	2083.8	2065.4	2070.7	2059.5	2082.5
52.5°	2311.5	2334.5	2329.9	2337.8	2381.8	2429.0	2387.0	2368.6	2326.6	2333.9
55°	2607.5	2642.3	2648.9	2696.2	2795.9	2892.4	2803.1	2729.0	2639.7	2623.3
57.5°	2944.2	2971.8	3003.3	3099.8	3286.2	3457.5	3286.2	3122.1	2981.6	2948.2
60°	3306.5	3340.7	3370.8	3513.3	3790.2	4031.1	3785.0	3524.4	3338.7	3293.4
62.5°	3695.7	3739.7	3760.7	3918.9	4241.8	4529.2	4246.4	3930.7	3724.6	3676.0
65°	4069.2	4105.3	4128.9	4297.6	4606.0	4894.2	4627.0	4315.9	4104.0	4040.3
67.5°	4243.1	4262.8	4320.5	4511.5	4837.1	5165.9	4892.2	4531.9	4294.9	4183.4
70°	3988.4	3948.4	4087.5	4393.4	4864.6	5332.6	4927.6	4384.2	4094.1	3913.0
72.5°	3082.1	3013.2	3254.7	3777.8	4549.6	5226.3	4581.1	3807.3	3405.0	3037.4
75°	1676.9	1598.8	1932.2	2593.8	3628.1	4529.9	3711.5	2667.9	2151.4	1664.4
77.5°	473.2	443.7	712.8	1254.9	2182.3	3180.5	2266.3	1282.4	845.3	501.4
80°	145.0	140.5	190.3	378.0	926.7	1523.3	890.6	382.6	242.2	152.9
82.5°	86.0	78.8	94.5	137.8	236.3	478.5	229.7	143.7	115.5	77.4
85°	49.2	45.9	55.8	66.9	79.4	101.7	66.3	68.3	61.7	41.3
87.5°	20.3	18.4	21.7	21.0	18.4	23.6	17.7	21.0	24.9	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1151.8
1147.9
1133.5
1117.7
1110.5
1110.5
1115.1
1123.6
1132.1
1136.1
1140.0
1149.9
1172.2
1207.0
1262.8
1340.2
1436.7
1559.4
1704.5
1869.8
2068.7
2309.6
2597.7
2924.5
3254.0
3636.7
4008.8
4184.7
3956.3
3128.7
1772.7
557.2
161.5
84.0
43.3
15.1
0.0

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