

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: P945020

Luminaire Tested: **GALN-SB1A-835-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945020  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1A-835-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4361 lumens  
Efficiency: N/A  
Efficacy: 141.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

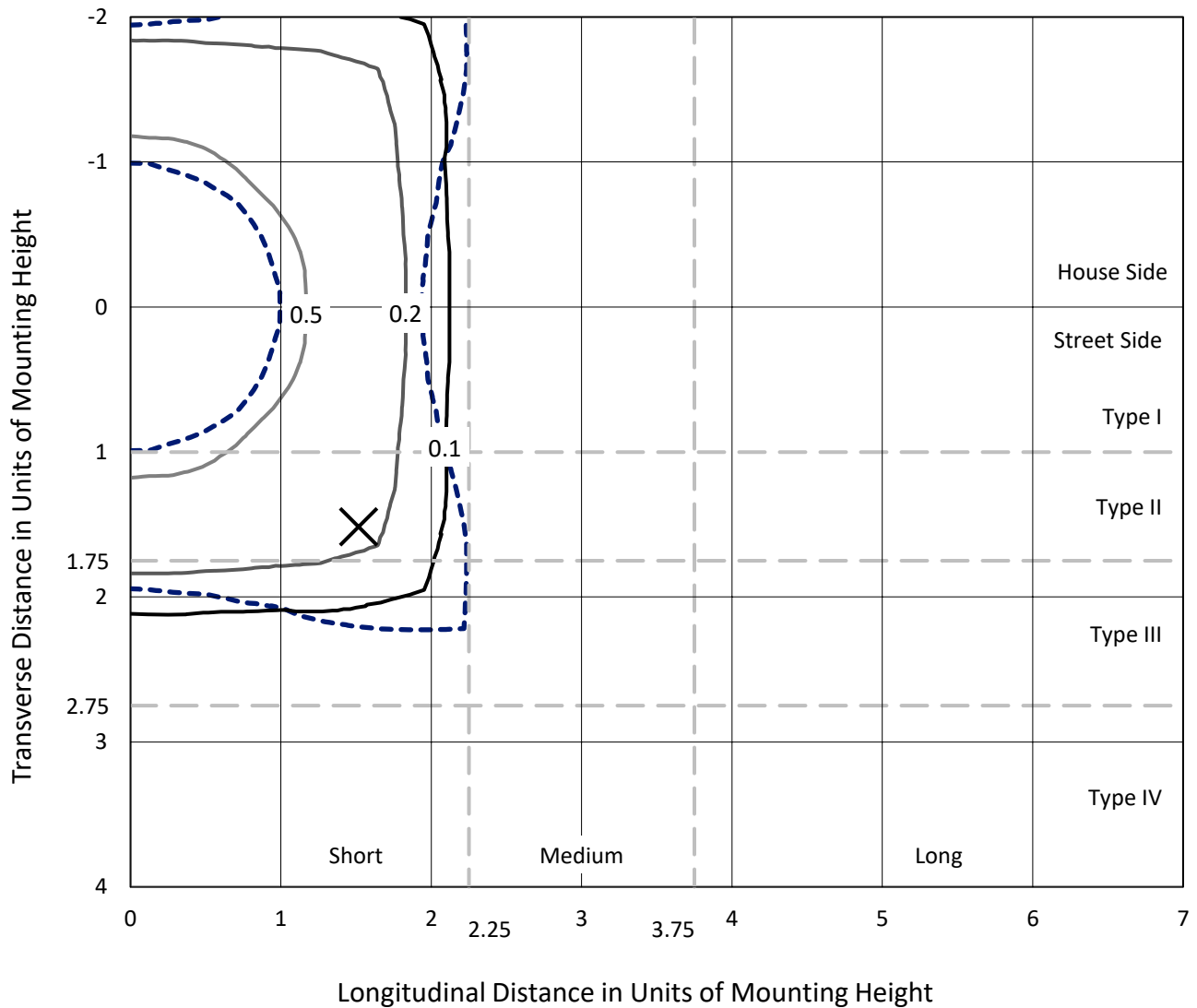
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

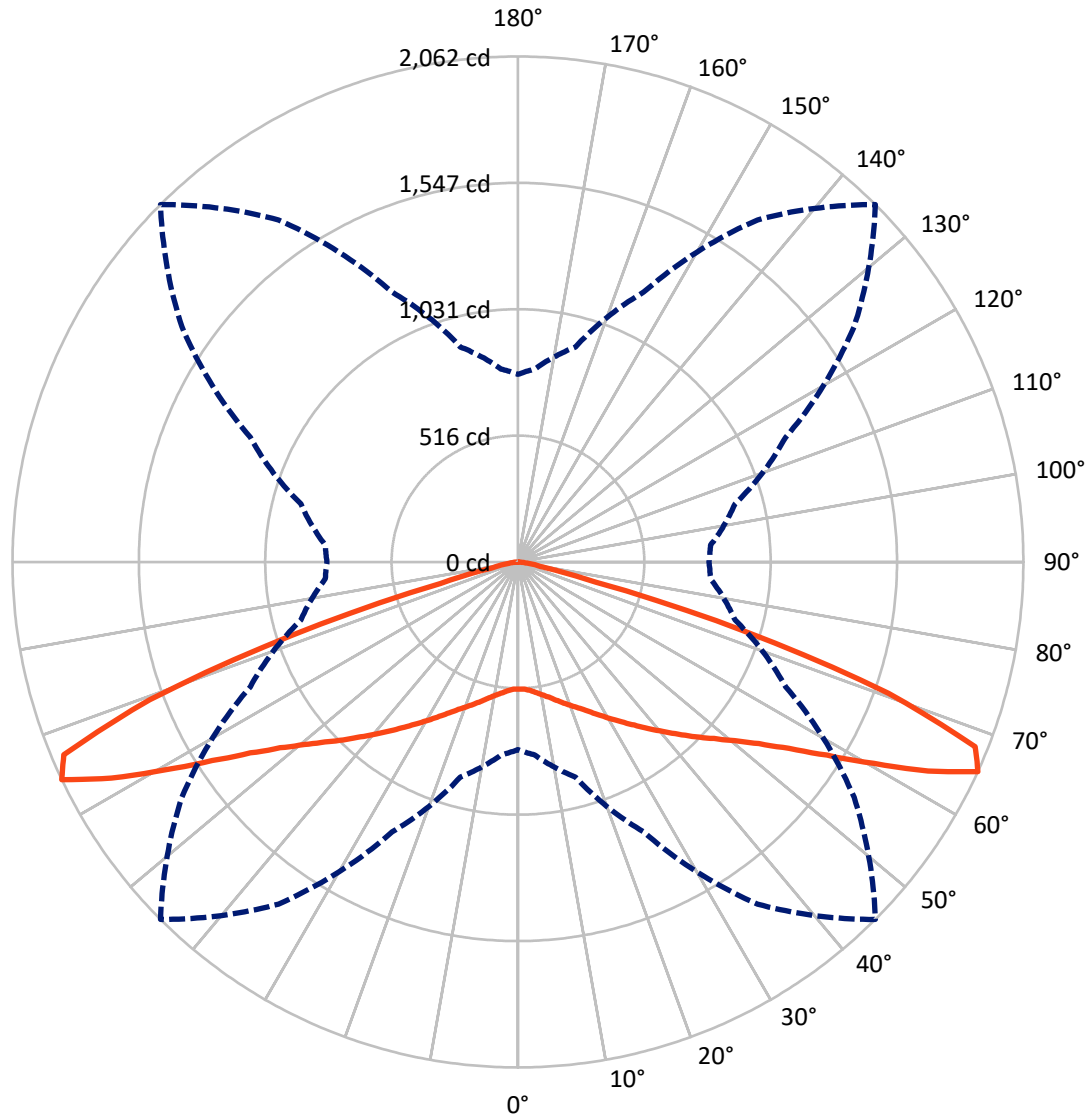
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2180.5	0.0	2180.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2180.5	0.0	2180.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4361.0	0.0	4361.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.2	1.2
10°-20°	167.1	3.8
20°-30°	315.6	7.2
30°-40°	516.7	11.8
40°-50°	801.2	18.4
50°-60°	1183.5	27.1
60°-70°	1126.6	25.8
70°-80°	181.8	4.2
80°-90°	17.1	0.4
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°	4361.0	100.0
0°-180°	4361.0	100.0



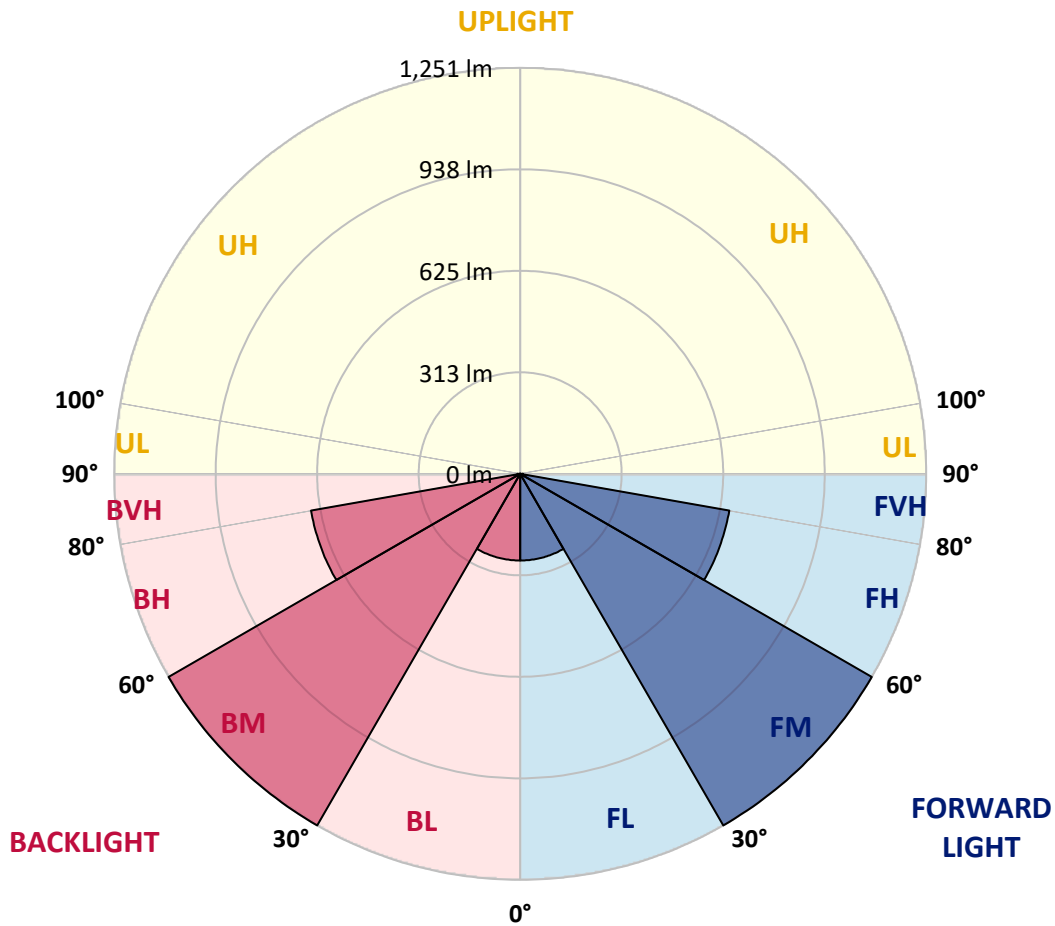
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.0	6.1			
FM (30°-60°)	1250.7	28.7			
FH (60°-80°)	654.2	15.0			G0/660
FVH (80°-90°)	8.6	0.2			G0/10
BL (0°-30°)	267.0	6.1	B1/500		
BM (30°-60°)	1250.7	28.7	B2/2500		
BH (60°-80°)	654.2	15.0	B2/1000		G0/660
BVH (80°-90°)	8.6	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
2.5°	522.5	520.8	522.1	521.0	520.1	519.2	519.7	521.2	521.8	522.1
5°	529.5	528.0	528.6	528.6	527.1	526.7	526.9	528.0	529.3	529.3
7.5°	540.9	539.4	540.9	540.0	538.7	538.3	538.0	538.9	540.9	540.9
10°	554.7	552.9	553.8	553.4	551.8	551.2	550.9	552.3	554.0	553.8
12.5°	569.8	567.8	568.9	567.6	567.1	566.5	566.5	566.3	567.4	566.5
15°	586.6	585.3	585.7	584.9	585.5	585.1	583.3	582.5	582.9	581.6
17.5°	606.5	603.5	605.0	604.6	604.6	605.4	602.6	601.5	602.4	601.1
20°	629.5	626.4	627.1	626.2	625.1	626.0	622.5	623.4	624.0	623.2
22.5°	654.7	650.7	650.5	650.9	648.5	648.8	646.3	648.5	649.8	647.4
25°	680.5	676.3	679.2	678.1	675.0	675.7	673.9	676.1	677.2	674.1
27.5°	707.8	705.0	707.6	708.3	704.5	707.2	704.5	706.5	707.6	703.0
30°	739.8	736.9	739.3	741.1	736.7	740.9	738.7	740.0	740.2	734.7
32.5°	774.6	770.2	776.3	777.2	772.4	777.4	774.6	776.3	777.4	770.0
35°	817.0	811.5	818.5	817.5	813.3	817.5	814.8	817.5	820.1	811.1
37.5°	862.7	857.1	864.5	862.5	858.6	861.4	859.9	861.6	865.8	856.2
40°	913.1	906.1	916.1	912.6	908.9	908.5	909.3	910.4	915.9	905.2
42.5°	966.9	959.5	974.6	969.1	963.8	960.3	963.2	965.4	970.6	958.6
45°	1028.4	1019.8	1039.5	1033.0	1024.7	1017.4	1022.0	1025.3	1033.0	1018.5
47.5°	1096.2	1086.6	1107.6	1105.6	1092.0	1076.3	1086.8	1096.2	1101.9	1084.4
50°	1162.5	1155.1	1182.6	1185.0	1168.4	1146.3	1161.0	1175.2	1176.7	1153.8
52.5°	1224.6	1217.2	1257.2	1272.3	1257.5	1231.2	1246.7	1261.2	1249.6	1219.8
55°	1274.3	1268.2	1319.2	1358.1	1363.1	1341.5	1350.7	1350.2	1312.2	1266.4
57.5°	1286.3	1285.5	1349.8	1432.3	1484.8	1487.4	1469.3	1422.9	1340.8	1279.3
60°	1231.6	1237.1	1325.5	1471.0	1611.1	1669.3	1590.7	1458.3	1308.2	1222.9
62.5°	1068.0	1082.4	1189.0	1423.8	1713.0	1878.4	1688.1	1404.5	1174.3	1062.9
65°	765.4	790.5	908.3	1215.0	1703.8	2062.2	1674.1	1205.2	917.0	788.6
67.5°	347.2	372.8	472.8	831.9	1481.1	2012.3	1477.6	840.6	496.5	374.2
70°	125.8	130.2	162.4	333.0	946.5	1603.4	987.0	335.4	172.6	138.7
72.5°	76.1	76.8	83.6	119.2	328.9	973.5	342.9	123.2	85.3	75.7
75°	48.4	47.9	59.5	72.9	116.6	328.4	122.3	72.9	59.3	54.0
77.5°	34.8	35.9	42.7	54.5	73.5	111.4	72.2	52.1	42.7	35.0
80°	26.0	26.7	31.1	42.4	51.6	69.4	45.9	38.5	32.2	21.9
82.5°	18.8	18.8	20.3	30.9	31.5	37.4	24.9	27.1	21.2	15.5
85°	11.2	10.9	12.7	18.4	16.4	13.8	11.4	16.6	13.3	9.6
87.5°	3.9	4.2	3.9	5.3	4.4	3.7	3.5	4.6	3.7	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
519.0
522.1
529.3
540.2
553.4
566.9
581.8
602.1
625.1
649.8
677.6
706.5
738.0
775.0
816.6
862.1
908.7
964.9
1026.0
1090.3
1156.6
1220.7
1268.0
1275.4
1212.8
1056.4
779.2
368.7
137.0
77.0
54.5
35.7
22.5
15.5
9.4
3.1
0.0

OF REPORT)