

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: P939700

Luminaire Tested: **GALN-SB2B-935-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939700  
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-935-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

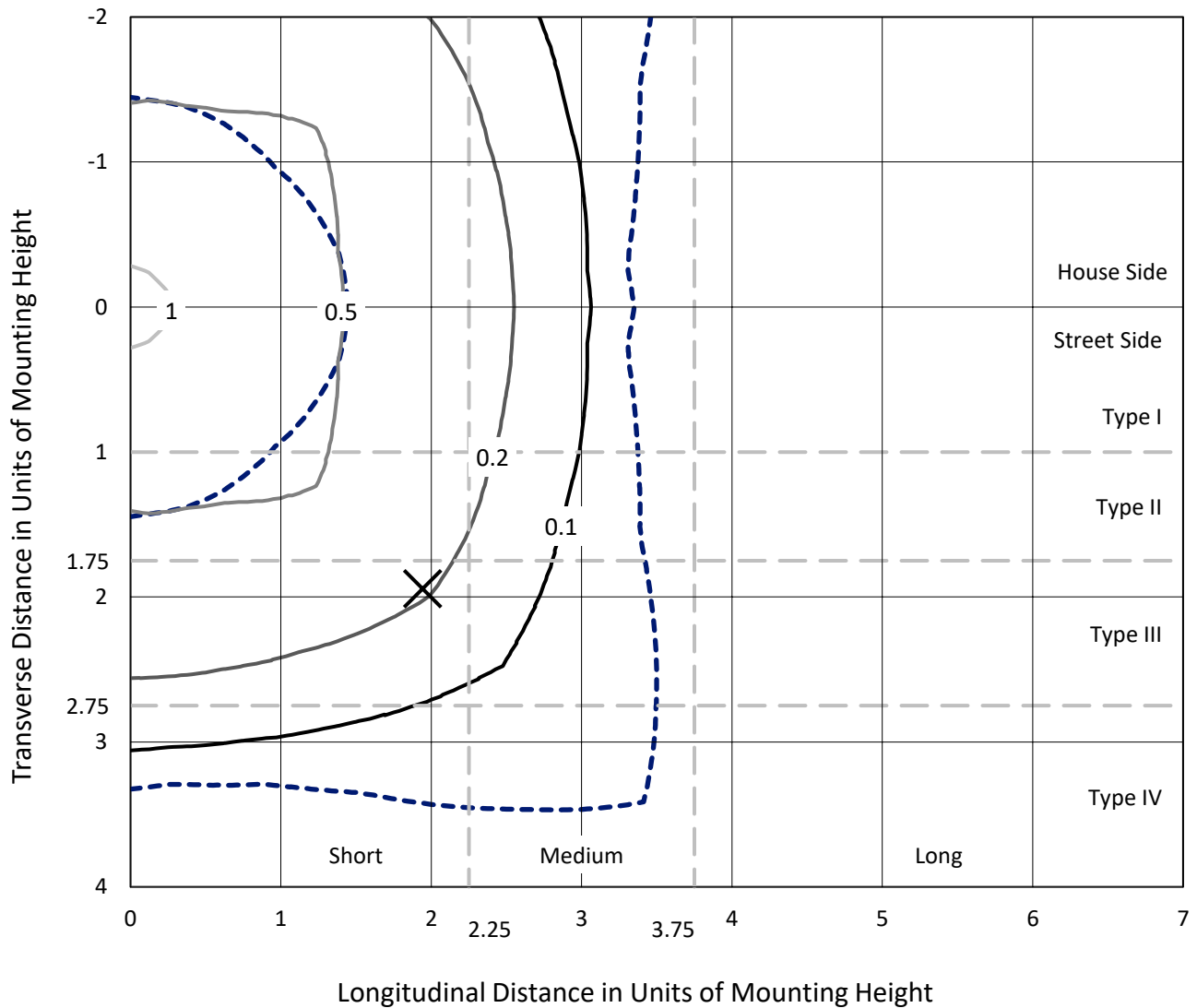
Lumens per Lamp: N/A  
Luminaire Lumens: 7924 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

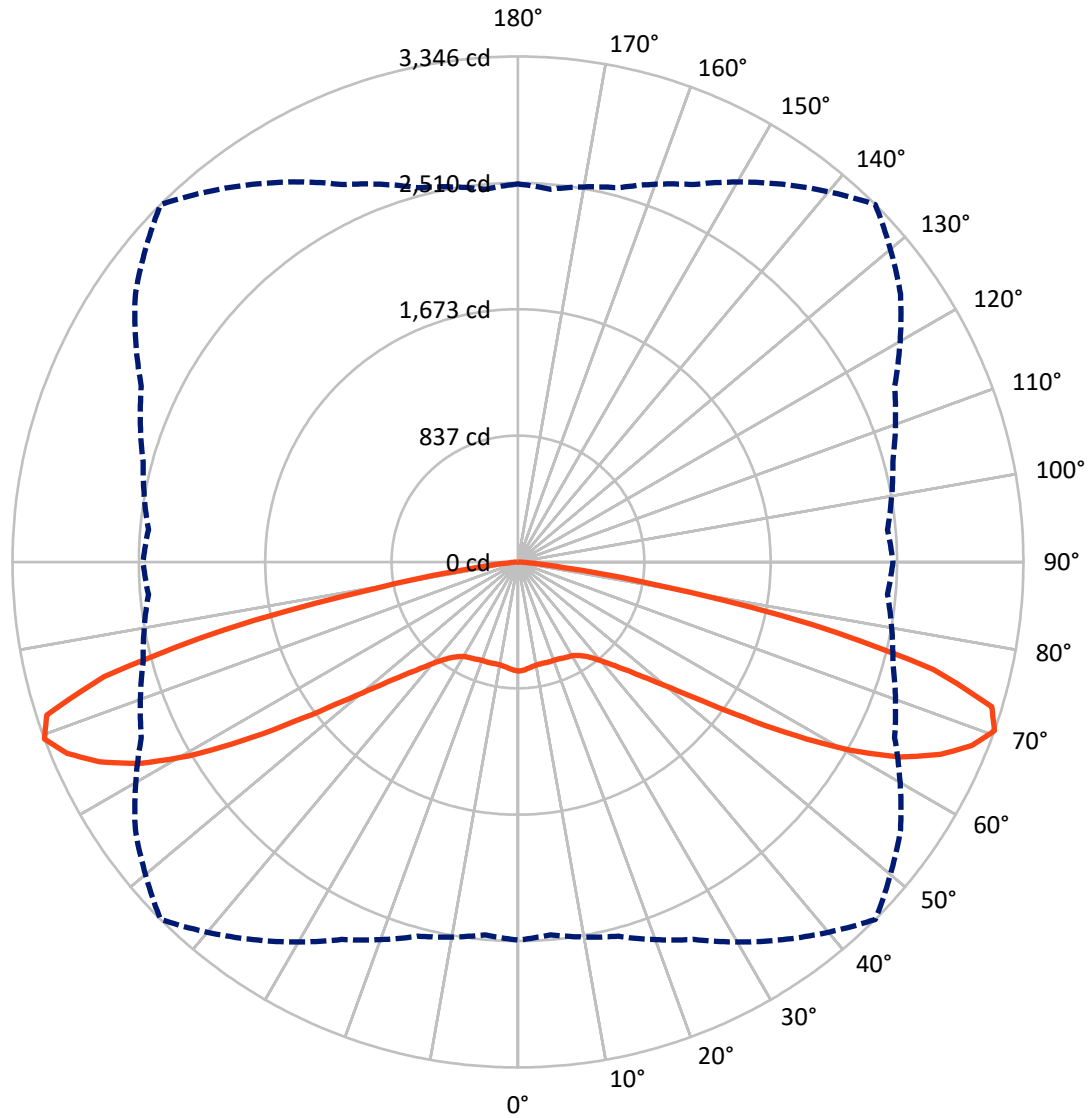
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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
<b>House Side</b>	Lumens	3962.0	0.0	3962.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3962.0	0.0	3962.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7924.0	0.0	7924.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.2	0.8
10°-20°	197.4	2.5
20°-30°	328.6	4.1
30°-40°	496.9	6.3
40°-50°	825.7	10.4
50°-60°	1558.1	19.7
60°-70°	2630.8	33.2
70°-80°	1728.7	21.8
80°-90°	90.6	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°	7924.0	100.0
0°-180°	7924.0	100.0

**Coefficient of Utilization**



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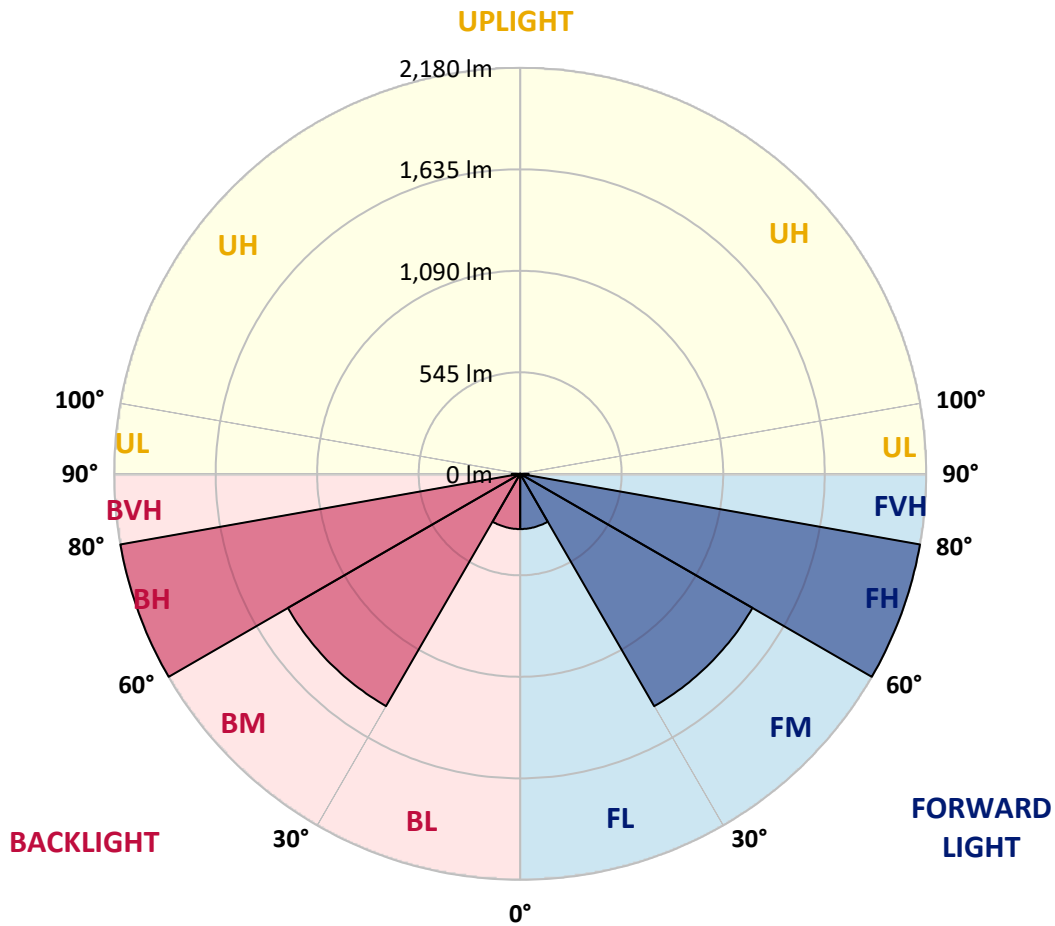
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.6	3.7			
FM (30°-60°)	1440.3	18.2			
FH (60°-80°)	2179.8	27.5			G2/5000
FVH (80°-90°)	45.3	0.6			G1/100
BL (0°-30°)	296.6	3.7	B1/500		
BM (30°-60°)	1440.3	18.2	B2/2500		
BH (60°-80°)	2179.8	27.5	B3/2500		G2/5000
BVH (80°-90°)	45.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	722.8	722.8	722.8	722.8	722.8	722.8	722.8	722.8	722.8	722.8
2.5°	718.3	720.4	719.5	717.9	717.9	716.7	717.9	718.7	719.9	720.8
5°	708.8	710.5	710.1	708.8	709.2	708.0	708.8	710.1	710.9	711.3
7.5°	700.6	702.2	701.4	699.4	699.4	698.1	698.5	699.8	701.0	701.4
10°	698.5	700.2	697.7	694.4	693.2	691.5	691.9	693.2	695.6	696.9
12.5°	699.4	700.6	698.1	693.2	691.9	690.3	690.3	691.5	694.8	696.5
15°	701.8	703.1	699.4	694.0	692.8	691.5	691.1	692.8	696.5	699.4
17.5°	706.4	707.6	701.8	694.4	692.8	693.2	692.8	694.0	699.8	705.1
20°	710.5	711.3	703.5	694.4	692.8	693.2	692.8	695.2	702.6	710.1
22.5°	711.7	712.5	705.1	697.3	696.1	696.5	696.1	698.5	705.5	712.9
25°	712.1	713.4	707.6	701.4	703.5	704.3	703.5	703.9	709.2	715.8
27.5°	718.3	719.9	714.6	709.2	710.5	710.1	711.3	712.5	716.7	723.2
30°	731.1	732.3	727.8	722.4	721.6	718.7	722.4	726.5	731.1	736.8
32.5°	752.1	754.5	748.8	743.0	739.3	737.7	740.5	747.5	753.7	759.9
35°	787.1	788.7	783.4	772.7	766.1	766.1	768.5	777.6	787.5	795.3
37.5°	836.5	838.6	829.1	816.3	806.4	806.4	809.7	819.2	834.0	845.2
40°	896.6	899.5	887.6	874.4	864.9	863.3	867.4	878.1	892.1	906.1
42.5°	969.1	972.4	956.8	945.2	937.8	937.8	939.9	949.8	962.5	979.8
45°	1061.8	1067.6	1046.1	1034.6	1027.6	1029.3	1030.5	1039.1	1050.7	1070.4
47.5°	1172.2	1177.9	1155.3	1143.3	1142.1	1149.9	1145.0	1151.2	1157.3	1180.0
50°	1297.4	1307.3	1291.6	1290.8	1293.3	1307.7	1296.1	1299.4	1292.4	1306.9
52.5°	1450.6	1465.0	1462.1	1467.1	1494.7	1524.3	1498.0	1486.4	1460.1	1464.6
55°	1636.4	1658.2	1662.3	1692.0	1754.6	1815.1	1759.1	1712.5	1656.5	1646.2
57.5°	1847.6	1864.9	1884.7	1945.3	2062.2	2169.7	2062.2	1959.3	1871.1	1850.1
60°	2075.0	2096.4	2115.4	2204.7	2378.5	2529.7	2375.2	2211.7	2095.2	2066.8
62.5°	2319.2	2346.8	2360.0	2459.3	2661.9	2842.3	2664.8	2466.7	2337.4	2306.9
65°	2553.6	2576.2	2591.1	2696.9	2890.5	3071.3	2903.7	2708.4	2575.4	2535.5
67.5°	2662.7	2675.1	2711.3	2831.2	3035.5	3241.8	3070.1	2843.9	2695.3	2625.2
70°	2502.9	2477.8	2565.1	2757.0	3052.8	3346.4	3092.3	2751.3	2569.2	2455.6
72.5°	1934.1	1890.9	2042.5	2370.7	2855.1	3279.7	2874.8	2389.2	2136.8	1906.1
75°	1052.3	1003.3	1212.5	1627.7	2276.8	2842.7	2329.1	1674.2	1350.1	1044.5
77.5°	297.0	278.4	447.3	787.5	1369.5	1995.9	1422.2	804.8	530.5	314.7
80°	91.0	88.1	119.4	237.2	581.6	955.9	558.9	240.1	152.0	96.0
82.5°	54.0	49.4	59.3	86.5	148.3	300.3	144.2	90.2	72.5	48.6
85°	30.9	28.8	35.0	42.0	49.8	63.8	41.6	42.8	38.7	25.9
87.5°	12.8	11.5	13.6	13.2	11.5	14.8	11.1	13.2	15.7	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
722.8
720.4
711.3
701.4
696.9
696.9
699.8
705.1
710.5
712.9
715.4
721.6
735.6
757.4
792.4
841.0
901.6
978.6
1069.6
1173.4
1298.2
1449.4
1630.2
1835.3
2042.0
2282.2
2515.7
2626.1
2482.7
1963.4
1112.5
349.7
101.3
52.7
27.2
9.5
0.0

OF REPORT)