

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: P940040

Luminaire Tested: **GALN-SB2D-935-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940040  
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-SB2D-935-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

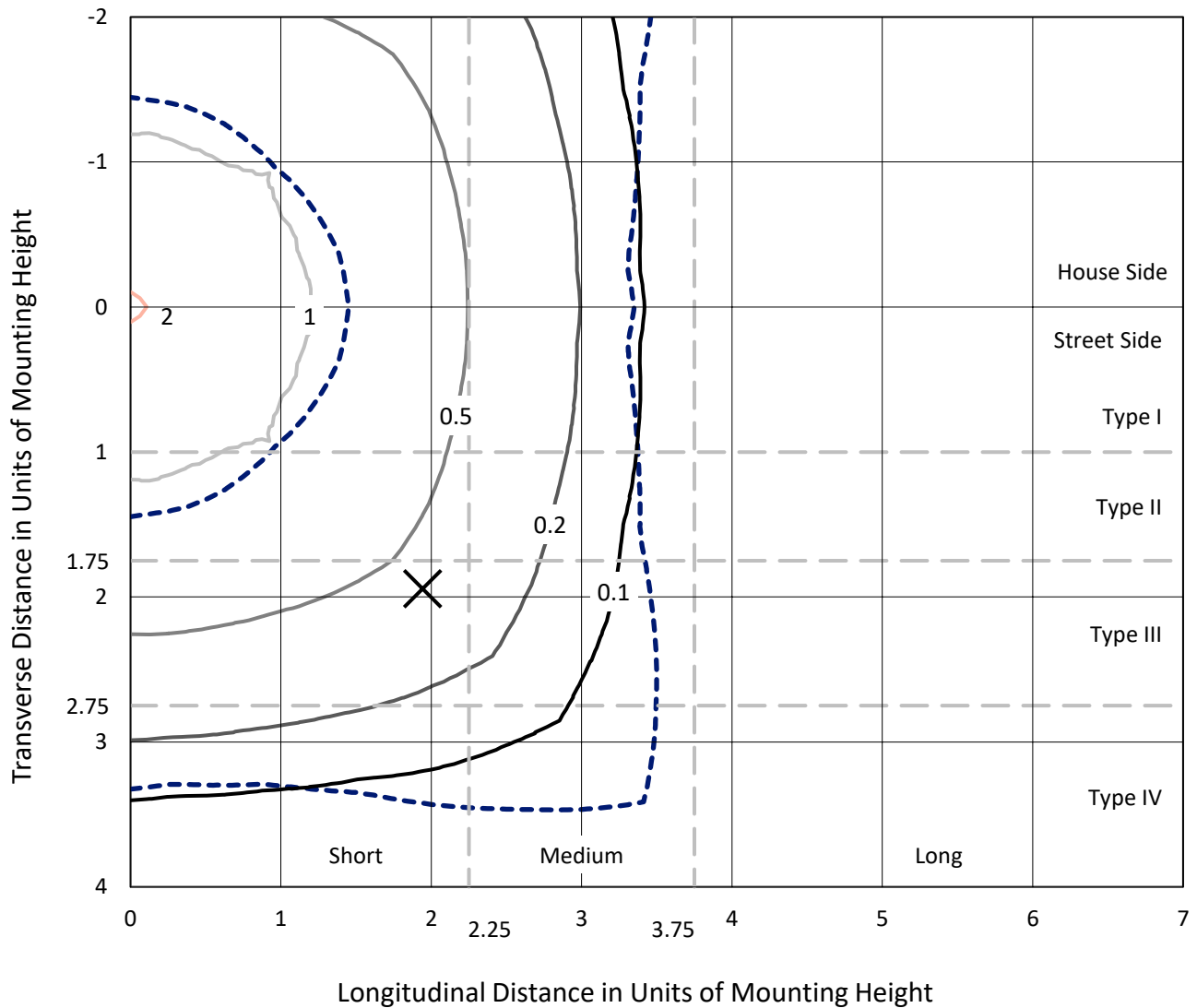
Lumens per Lamp: N/A  
Luminaire Lumens: 14320 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

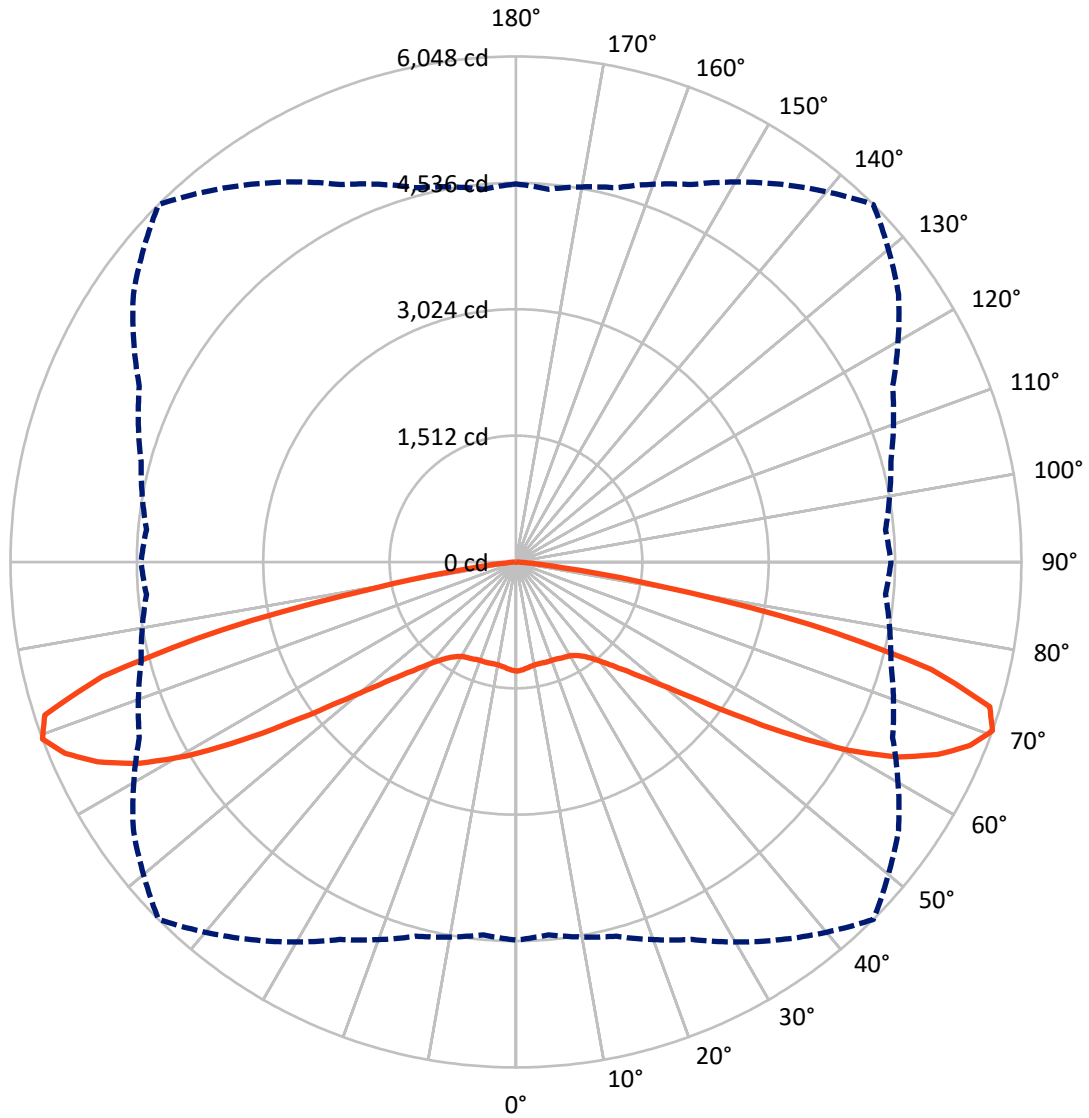
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	7160.0	0.0	7160.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7160.0	0.0	7160.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14320.0	0.0	14320.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	0.8
10°-20°	356.8	2.5
20°-30°	593.8	4.1
30°-40°	897.9	6.3
40°-50°	1492.2	10.4
50°-60°	2815.7	19.7
60°-70°	4754.4	33.2
70°-80°	3124.1	21.8
80°-90°	163.7	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°	14320.0	100.0
0°-180°	14320.0	100.0

**Coefficient of Utilization**



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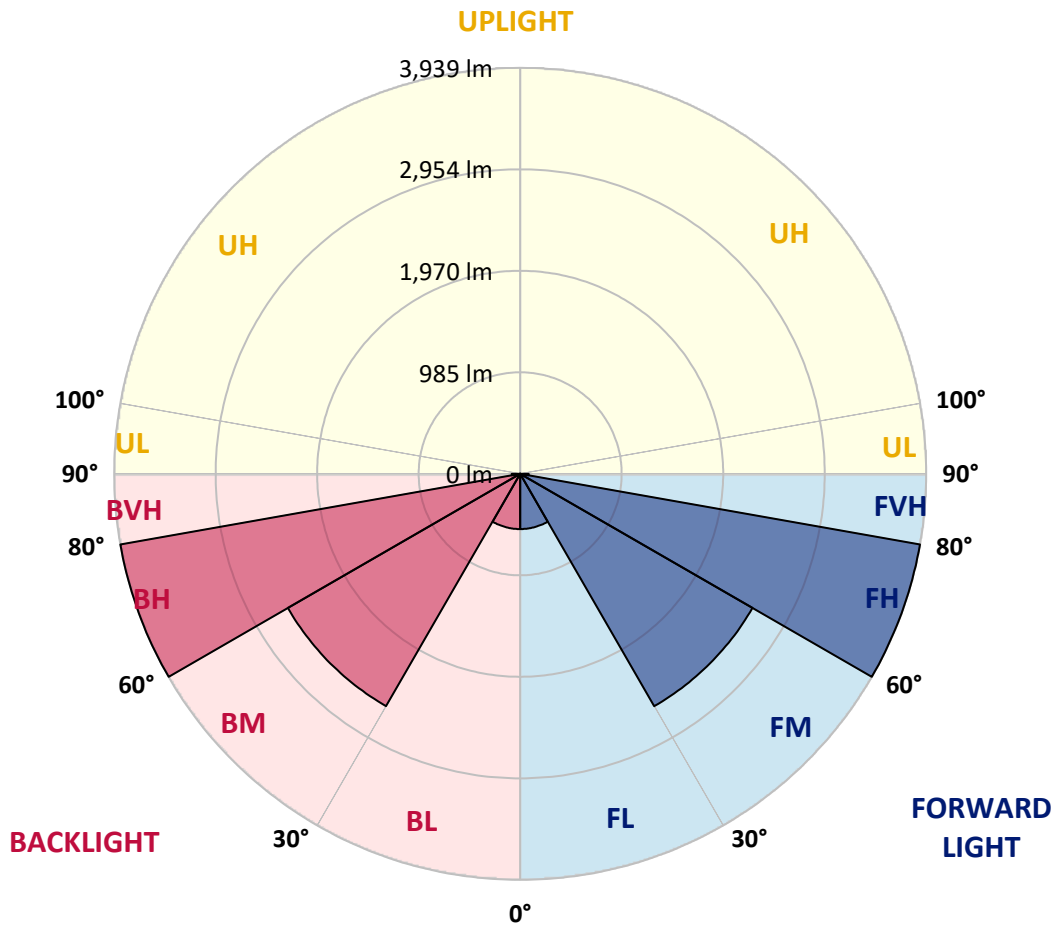
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.0	3.7			
FM (30°-60°)	2602.9	18.2			
FH (60°-80°)	3939.2	27.5			G2/5000
FVH (80°-90°)	81.8	0.6			G1/100
BL (0°-30°)	536.0	3.7	B2/1000		
BM (30°-60°)	2602.9	18.2	B3/5000		
BH (60°-80°)	3939.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	81.8	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°	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3	1306.3
2.5°	1298.1	1301.8	1300.3	1297.3	1297.3	1295.1	1297.3	1298.8	1301.1	1302.6
5°	1281.0	1283.9	1283.2	1281.0	1281.7	1279.5	1281.0	1283.2	1284.7	1285.4
7.5°	1266.1	1269.1	1267.6	1263.8	1263.8	1261.6	1262.4	1264.6	1266.8	1267.6
10°	1262.4	1265.3	1260.9	1254.9	1252.7	1249.7	1250.4	1252.7	1257.1	1259.4
12.5°	1263.8	1266.1	1261.6	1252.7	1250.4	1247.5	1247.5	1249.7	1255.7	1258.6
15°	1268.3	1270.5	1263.8	1254.2	1251.9	1249.7	1249.0	1251.9	1258.6	1263.8
17.5°	1276.5	1278.7	1268.3	1254.9	1251.9	1252.7	1251.9	1254.2	1264.6	1274.3
20°	1283.9	1285.4	1271.3	1254.9	1251.9	1252.7	1251.9	1256.4	1269.8	1283.2
22.5°	1286.2	1287.7	1274.3	1260.1	1257.9	1258.6	1257.9	1262.4	1275.0	1288.4
25°	1286.9	1289.2	1278.7	1267.6	1271.3	1272.8	1271.3	1272.0	1281.7	1293.6
27.5°	1298.1	1301.1	1291.4	1281.7	1283.9	1283.2	1285.4	1287.7	1295.1	1307.0
30°	1321.2	1323.4	1315.2	1305.5	1304.0	1298.8	1305.5	1313.0	1321.2	1331.6
32.5°	1359.1	1363.6	1353.2	1342.7	1336.0	1333.1	1338.3	1350.9	1362.1	1373.3
35°	1422.4	1425.4	1415.7	1396.3	1384.4	1384.4	1388.9	1405.3	1423.1	1437.3
37.5°	1511.7	1515.4	1498.3	1475.2	1457.4	1457.4	1463.3	1480.4	1507.2	1527.3
40°	1620.4	1625.6	1604.0	1580.2	1563.1	1560.1	1567.5	1586.9	1612.2	1637.5
42.5°	1751.4	1757.3	1729.0	1708.2	1694.8	1694.8	1698.5	1716.4	1739.5	1770.7
45°	1918.8	1929.3	1890.6	1869.7	1857.1	1860.0	1862.3	1877.9	1898.7	1934.5
47.5°	2118.3	2128.7	2087.8	2066.2	2064.0	2078.1	2069.2	2080.4	2091.5	2132.5
50°	2344.6	2362.5	2334.2	2332.7	2337.1	2363.2	2342.4	2348.3	2335.7	2361.7
52.5°	2621.5	2647.5	2642.3	2651.2	2701.1	2754.7	2707.1	2686.2	2638.6	2646.8
55°	2957.2	2996.6	3004.1	3057.6	3170.8	3280.2	3179.0	3094.9	2993.6	2975.0
57.5°	3339.0	3370.3	3406.0	3515.4	3726.8	3921.0	3726.8	3540.7	3381.4	3343.5
60°	3749.9	3788.6	3822.8	3984.3	4298.4	4571.6	4292.5	3997.0	3786.3	3735.0
62.5°	4191.2	4241.1	4264.9	4444.3	4810.5	5136.5	4815.7	4457.7	4224.0	4168.9
65°	4614.8	4655.7	4682.5	4873.8	5223.6	5550.4	5247.4	4894.6	4654.2	4582.0
67.5°	4812.0	4834.3	4899.8	5116.4	5485.6	5858.5	5548.1	5139.5	4870.8	4744.3
70°	4523.2	4477.8	4635.6	4982.4	5516.9	6047.6	5588.3	4972.0	4643.0	4437.6
72.5°	3495.3	3417.1	3691.1	4284.3	5159.6	5927.0	5195.3	4317.8	3861.5	3444.7
75°	1901.7	1813.2	2191.3	2941.5	4114.6	5137.3	4209.1	3025.6	2439.9	1887.6
77.5°	536.7	503.2	808.3	1423.1	2474.8	3606.9	2570.1	1454.4	958.7	568.7
80°	164.5	159.3	215.9	428.7	1051.0	1727.6	1010.0	433.9	274.7	173.4
82.5°	97.5	89.3	107.2	156.3	268.0	542.6	260.5	163.0	131.0	87.8
85°	55.8	52.1	63.3	75.9	90.1	115.4	75.2	77.4	70.0	46.9
87.5°	23.1	20.8	24.6	23.8	20.8	26.8	20.1	23.8	28.3	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1306.3
1301.8
1285.4
1267.6
1259.4
1259.4
1264.6
1274.3
1283.9
1288.4
1292.9
1304.0
1329.3
1368.8
1432.1
1519.9
1629.3
1768.5
1933.0
2120.6
2346.1
2619.2
2946.0
3316.7
3690.3
4124.2
4546.3
4745.8
4486.7
3548.1
2010.4
631.9
183.1
95.3
49.1
17.1
0.0

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