

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: P940730

Luminaire Tested: **GALN-SB3D-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940730  
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-SB3D-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

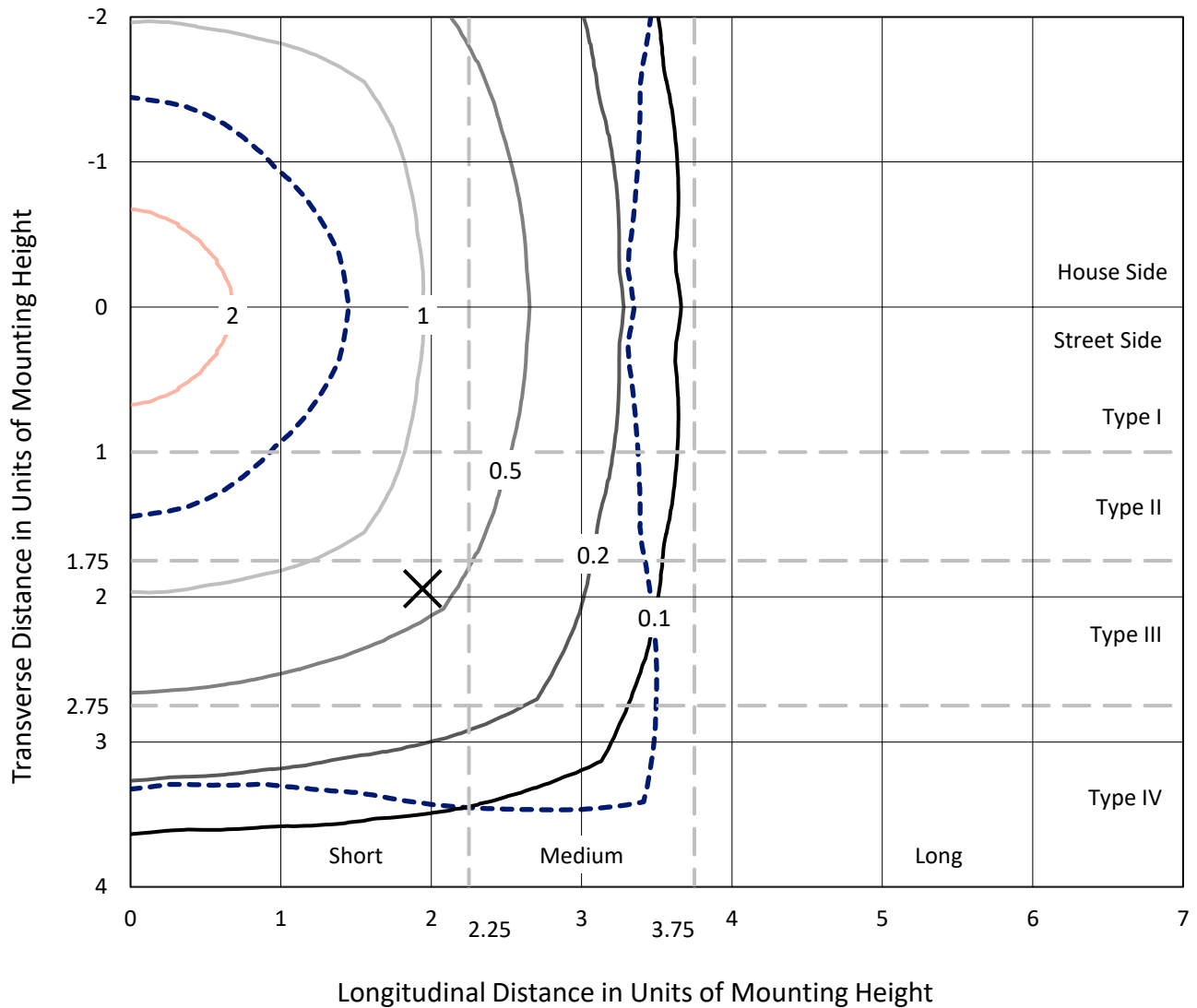
Lumens per Lamp: N/A  
Luminaire Lumens: 22379 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

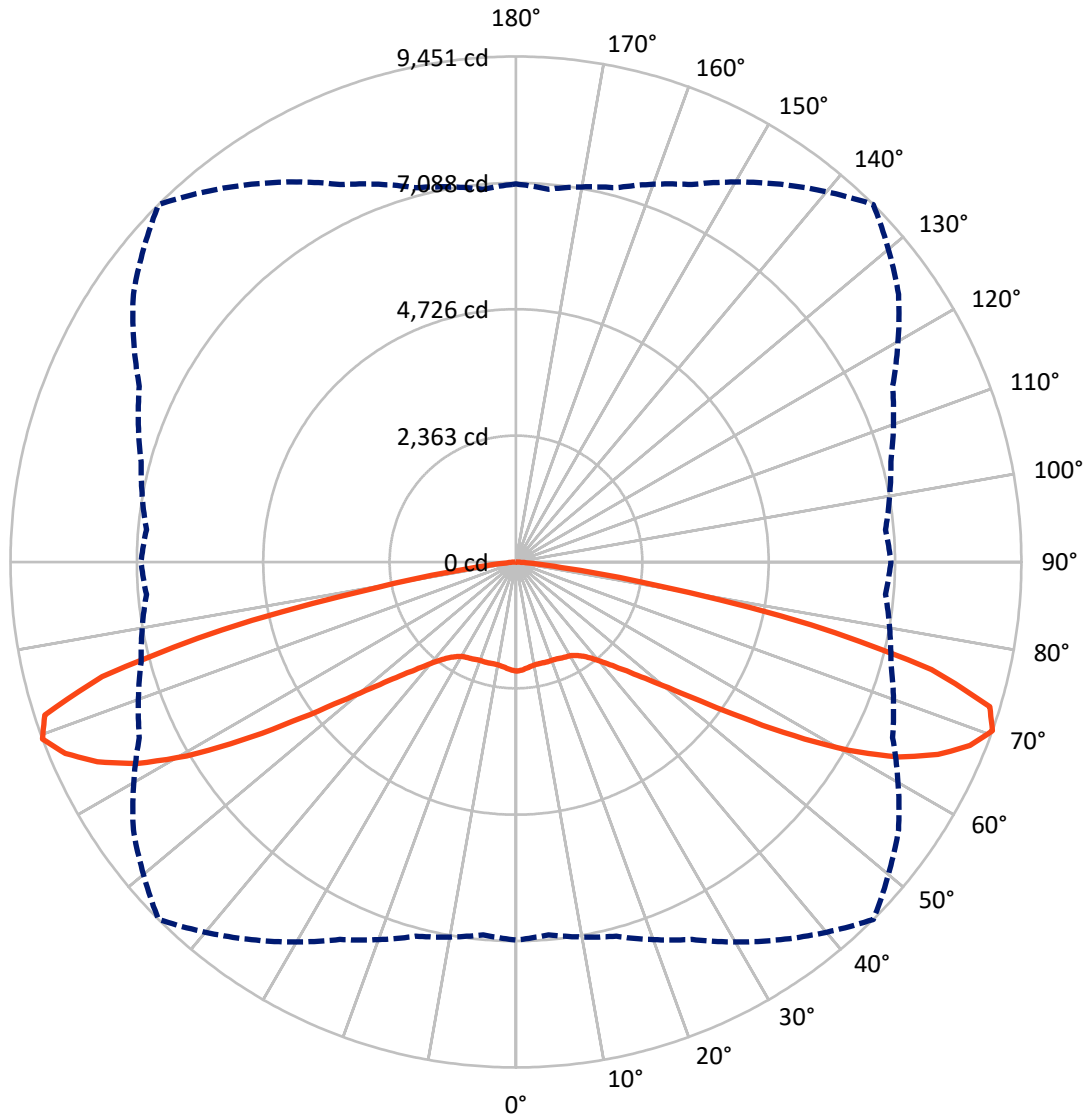
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	11189.5	0.0	11189.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11189.5	0.0	11189.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22379.0	0.0	22379.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.9	0.8
10°-20°	557.6	2.5
20°-30°	927.9	4.1
30°-40°	1403.3	6.3
40°-50°	2331.9	10.4
50°-60°	4400.3	19.7
60°-70°	7430.0	33.2
70°-80°	4882.3	21.8
80°-90°	255.8	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°	22379.0	100.0
0°-180°	22379.0	100.0

**Coefficient of Utilization**



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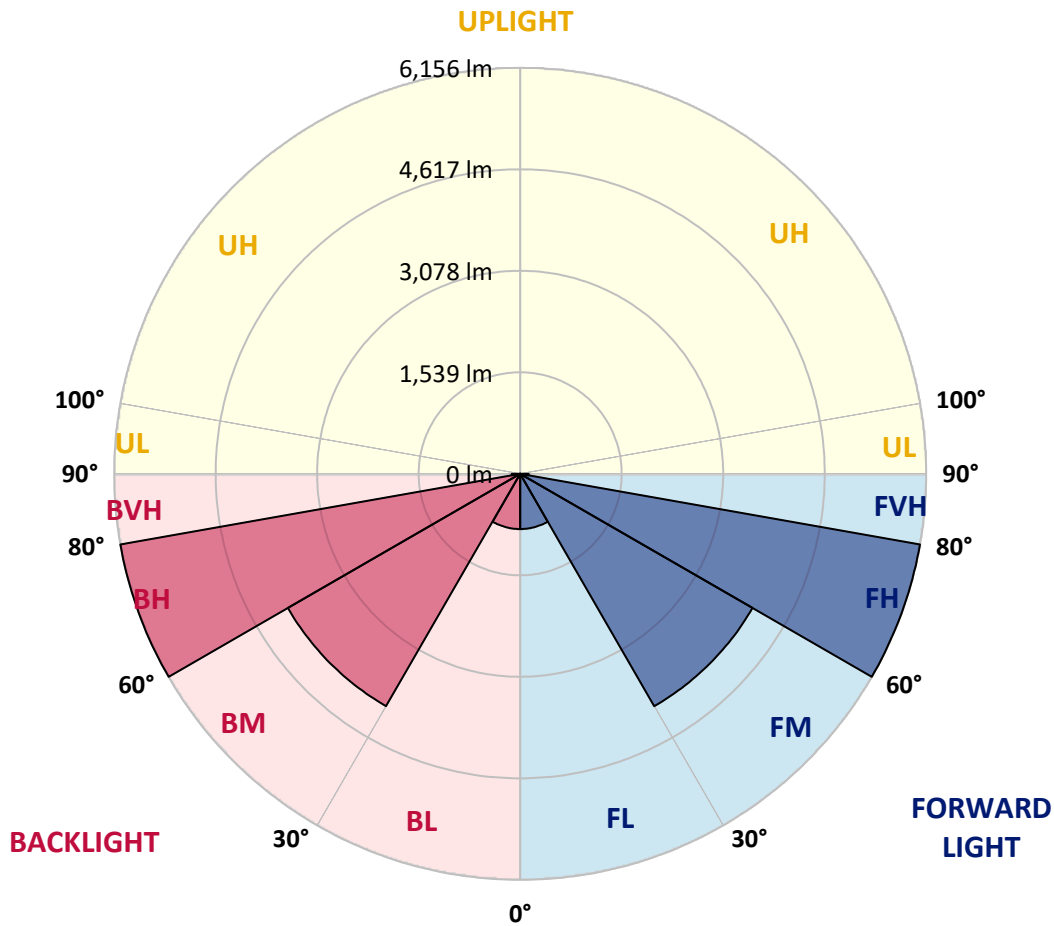
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	837.7	3.7			
FM (30°-60°)	4067.7	18.2			
FH (60°-80°)	6156.2	27.5			G3/7500
FVH (80°-90°)	127.9	0.6			G2/225
BL (0°-30°)	837.7	3.7	B2/1000		
BM (30°-60°)	4067.7	18.2	B3/5000		
BH (60°-80°)	6156.2	27.5	B5		G3/7500
BVH (80°-90°)	127.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2041.4	2041.4	2041.4	2041.4	2041.4	2041.4	2041.4	2041.4	2041.4	2041.4
2.5°	2028.6	2034.4	2032.1	2027.5	2027.5	2024.0	2027.5	2029.8	2033.3	2035.6
5°	2001.9	2006.5	2005.4	2001.9	2003.0	1999.5	2001.9	2005.4	2007.7	2008.8
7.5°	1978.6	1983.3	1980.9	1975.1	1975.1	1971.6	1972.8	1976.3	1979.8	1980.9
10°	1972.8	1977.4	1970.5	1961.2	1957.7	1953.0	1954.2	1957.7	1964.6	1968.1
12.5°	1975.1	1978.6	1971.6	1957.7	1954.2	1949.5	1949.5	1953.0	1962.3	1967.0
15°	1982.1	1985.6	1975.1	1960.0	1956.5	1953.0	1951.8	1956.5	1967.0	1975.1
17.5°	1994.9	1998.4	1982.1	1961.2	1956.5	1957.7	1956.5	1960.0	1976.3	1991.4
20°	2006.5	2008.8	1986.7	1961.2	1956.5	1957.7	1956.5	1963.5	1984.4	2005.4
22.5°	2010.0	2012.3	1991.4	1969.3	1965.8	1967.0	1965.8	1972.8	1992.6	2013.5
25°	2011.2	2014.7	1998.4	1980.9	1986.7	1989.1	1986.7	1987.9	2003.0	2021.6
27.5°	2028.6	2033.3	2018.2	2003.0	2006.5	2005.4	2008.8	2012.3	2024.0	2042.6
30°	2064.7	2068.2	2055.4	2040.3	2037.9	2029.8	2040.3	2051.9	2064.7	2081.0
32.5°	2124.0	2131.0	2114.7	2098.4	2087.9	2083.3	2091.4	2111.2	2128.7	2146.1
35°	2222.9	2227.5	2212.4	2182.2	2163.6	2163.6	2170.5	2196.1	2224.0	2246.1
37.5°	2362.5	2368.3	2341.5	2305.5	2277.5	2277.5	2286.9	2313.6	2355.5	2386.9
40°	2532.3	2540.4	2506.7	2469.5	2442.7	2438.1	2449.7	2479.9	2519.5	2559.0
42.5°	2737.0	2746.3	2702.1	2669.5	2648.6	2648.6	2654.4	2682.3	2718.4	2767.3
45°	2998.7	3015.0	2954.5	2922.0	2902.2	2906.8	2910.3	2934.8	2967.3	3023.2
47.5°	3310.5	3326.8	3262.8	3229.0	3225.6	3247.7	3233.7	3251.1	3268.6	3332.6
50°	3664.1	3692.0	3647.8	3645.5	3652.4	3693.2	3660.6	3669.9	3650.1	3690.8
52.5°	4096.8	4137.5	4129.4	4143.3	4221.3	4305.0	4230.6	4198.0	4123.5	4136.3
55°	4621.4	4683.0	4694.7	4778.4	4955.2	5126.2	4968.0	4836.6	4678.4	4649.3
57.5°	5218.1	5267.0	5322.8	5493.8	5824.1	6127.7	5824.1	5533.3	5284.4	5225.1
60°	5860.2	5920.7	5974.2	6226.6	6717.5	7144.4	6708.2	6246.4	5917.2	5836.9
62.5°	6550.0	6627.9	6665.1	6945.5	7517.8	8027.2	7525.9	6966.4	6601.2	6515.1
65°	7211.8	7275.8	7317.7	7616.6	8163.3	8674.0	8200.6	7649.2	7273.5	7160.7
67.5°	7520.1	7555.0	7657.3	7995.8	8572.8	9155.5	8670.5	8031.9	7612.0	7414.2
70°	7068.8	6997.8	7244.4	7786.5	8621.6	9451.0	8733.3	7770.2	7256.0	6935.0
72.5°	5462.4	5340.2	5768.3	6695.4	8063.3	9262.6	8119.1	6747.7	6034.7	5383.3
75°	2972.0	2833.6	3424.5	4597.0	6430.2	8028.4	6577.9	4728.4	3813.0	2949.9
77.5°	838.7	786.3	1263.2	2224.0	3867.6	5636.9	4016.5	2272.9	1498.2	888.7
80°	257.1	248.9	337.3	670.0	1642.4	2699.8	1578.5	678.1	429.2	271.0
82.5°	152.4	139.6	167.5	244.3	418.8	848.0	407.1	254.7	204.7	137.3
85°	87.2	81.4	98.9	118.6	140.7	180.3	117.5	121.0	109.3	73.3
87.5°	36.1	32.6	38.4	37.2	32.6	41.9	31.4	37.2	44.2	29.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2041.4
2034.4
2008.8
1980.9
1968.1
1968.1
1976.3
1991.4
2006.5
2013.5
2020.5
2037.9
2077.5
2139.1
2238.0
2375.3
2546.2
2763.8
3020.8
3314.0
3666.4
4093.3
4603.9
5183.2
5767.1
6445.3
7104.8
7416.6
7011.8
5545.0
3141.8
987.6
286.1
148.9
76.8
26.8
0.0

OF REPORT)