

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: P944810

Luminaire Tested: **GALN-SB9D-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944810  
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-SB9D-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

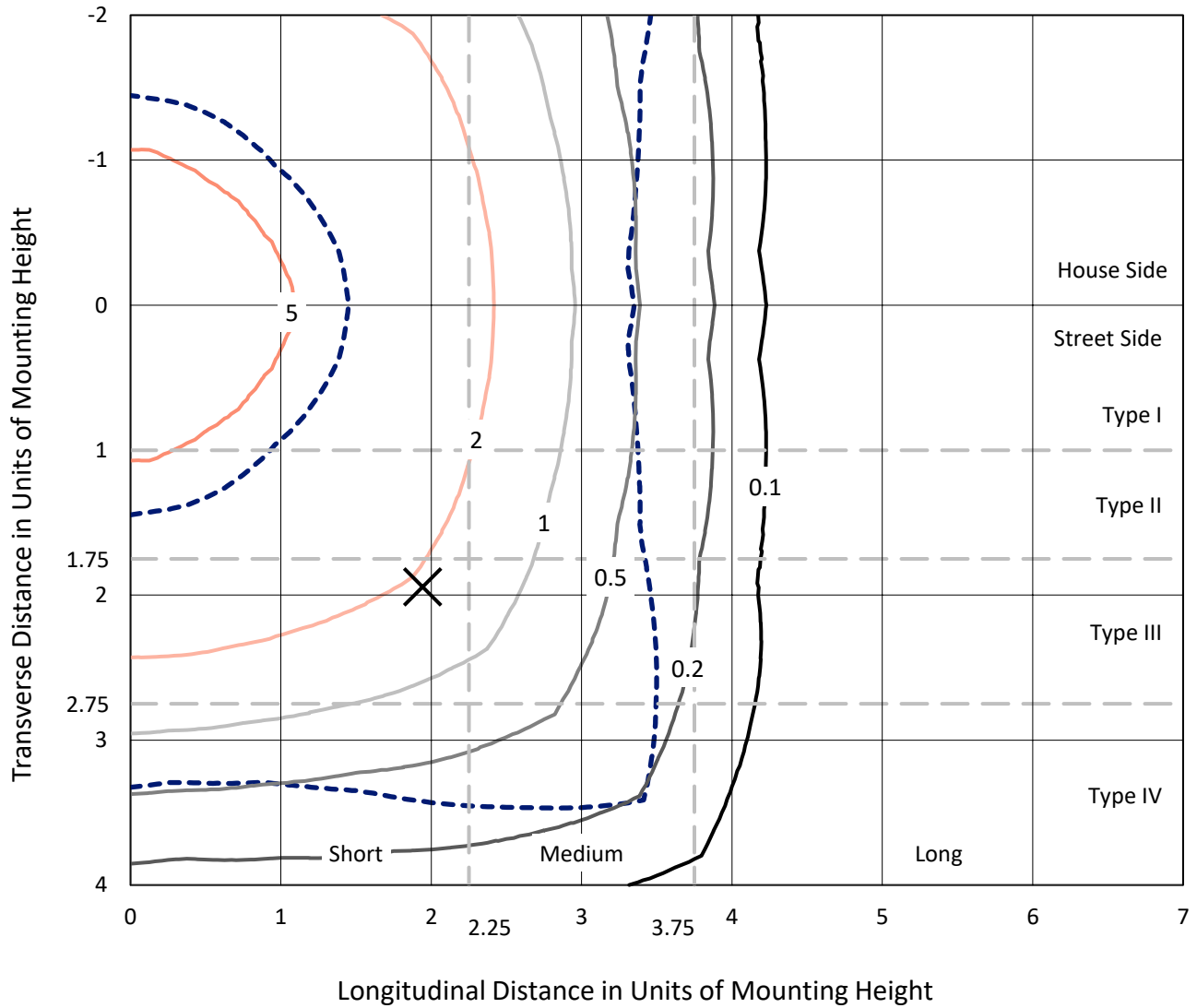
Lumens per Lamp: N/A  
Luminaire Lumens: 67937 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

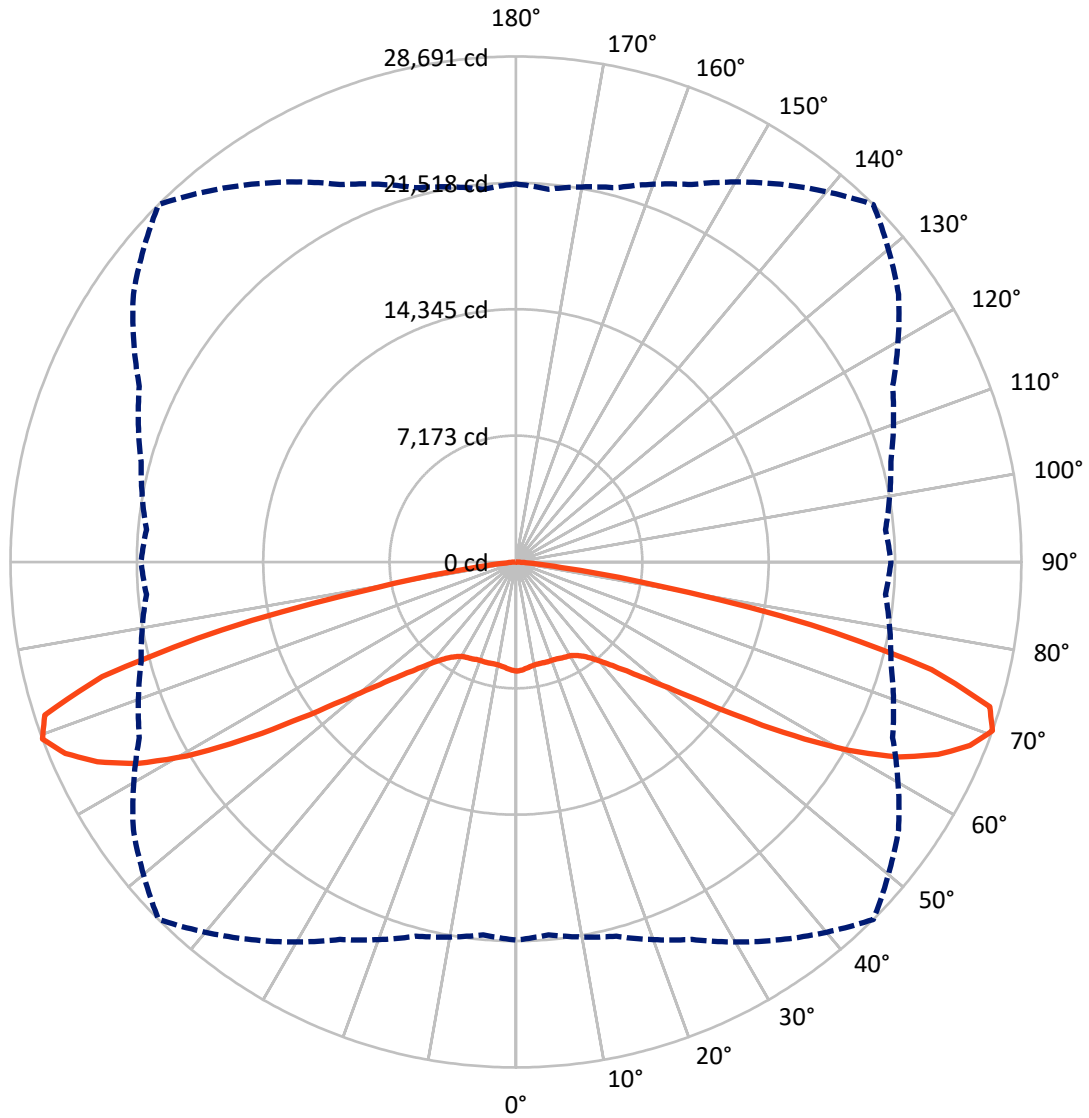
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	33968.5	0.0	33968.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33968.5	0.0	33968.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	67937.0	0.0	67937.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	576.5	0.8
10°-20°	1692.7	2.5
20°-30°	2816.9	4.1
30°-40°	4260.0	6.3
40°-50°	7079.2	10.4
50°-60°	13358.1	19.7
60°-70°	22555.7	33.2
70°-80°	14821.4	21.8
80°-90°	776.5	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°	67937.0	100.0
0°-180°	67937.0	100.0

**Coefficient of Utilization**



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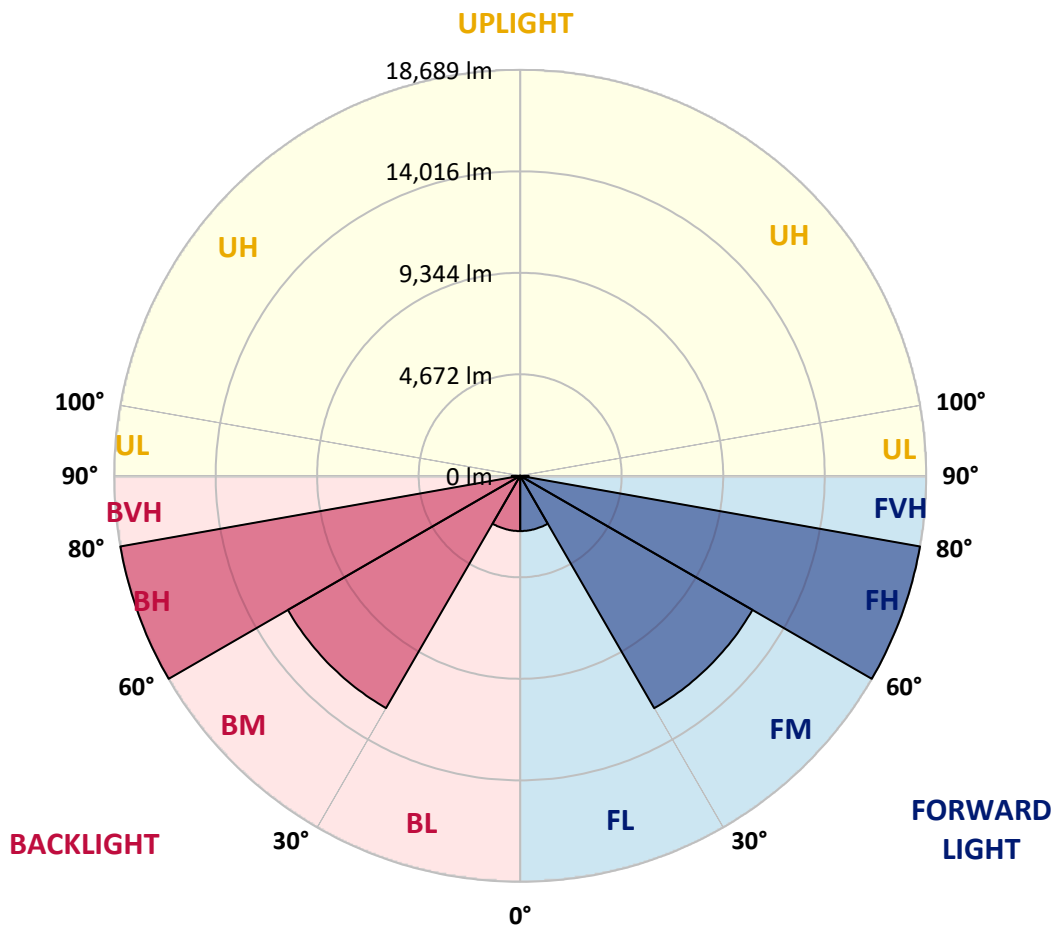
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2543.1	3.7			
FM (30°-60°)	12348.6	18.2			
FH (60°-80°)	18688.6	27.5			G5
FVH (80°-90°)	388.2	0.6			G3/500
BL (0°-30°)	2543.1	3.7	B4/5000		
BM (30°-60°)	12348.6	18.2	B5		
BH (60°-80°)	18688.6	27.5	B5		G5
BVH (80°-90°)	388.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6197.2	6197.2	6197.2	6197.2	6197.2	6197.2	6197.2	6197.2	6197.2	6197.2
2.5°	6158.4	6176.0	6169.0	6154.8	6154.8	6144.3	6154.8	6161.9	6172.5	6179.6
5°	6077.2	6091.3	6087.8	6077.2	6080.7	6070.1	6077.2	6087.8	6094.8	6098.3
7.5°	6006.5	6020.7	6013.6	5995.9	5995.9	5985.4	5988.9	5999.5	6010.1	6013.6
10°	5988.9	6003.0	5981.8	5953.6	5943.0	5928.9	5932.4	5943.0	5964.2	5974.8
12.5°	5995.9	6006.5	5985.4	5943.0	5932.4	5918.3	5918.3	5928.9	5957.1	5971.2
15°	6017.1	6027.7	5995.9	5950.0	5939.4	5928.9	5925.3	5939.4	5971.2	5995.9
17.5°	6056.0	6066.6	6017.1	5953.6	5939.4	5943.0	5939.4	5950.0	5999.5	6045.4
20°	6091.3	6098.3	6031.3	5953.6	5939.4	5943.0	5939.4	5960.6	6024.2	6087.8
22.5°	6101.9	6108.9	6045.4	5978.3	5967.7	5971.2	5967.7	5988.9	6048.9	6112.5
25°	6105.4	6116.0	6066.6	6013.6	6031.3	6038.3	6031.3	6034.8	6080.7	6137.2
27.5°	6158.4	6172.5	6126.6	6080.7	6091.3	6087.8	6098.3	6108.9	6144.3	6200.8
30°	6267.8	6278.4	6239.6	6193.7	6186.6	6161.9	6193.7	6229.0	6267.8	6317.3
32.5°	6447.9	6469.1	6419.7	6370.3	6338.5	6324.3	6349.1	6409.1	6462.1	6515.0
35°	6748.1	6762.2	6716.3	6624.5	6568.0	6568.0	6589.2	6666.9	6751.6	6818.7
37.5°	7171.8	7189.5	7108.3	6998.8	6914.1	6914.1	6942.3	7023.5	7150.6	7246.0
40°	7687.4	7712.1	7609.7	7496.7	7415.5	7401.4	7436.7	7528.5	7648.5	7768.6
42.5°	8308.9	8337.1	8202.9	8104.1	8040.5	8040.5	8058.2	8142.9	8252.4	8400.7
45°	9103.4	9152.8	8969.2	8870.3	8810.3	8824.4	8835.0	8909.2	9008.0	9177.5
47.5°	10049.7	10099.2	9905.0	9802.6	9792.0	9859.1	9816.7	9869.7	9922.6	10116.8
50°	11123.2	11208.0	11073.8	11066.7	11087.9	11211.5	11112.6	11140.9	11080.8	11204.4
52.5°	12436.8	12560.4	12535.7	12578.1	12814.7	13068.9	12842.9	12744.0	12518.0	12556.9
55°	14029.4	14216.5	14251.8	14506.1	15042.8	15561.9	15081.7	14682.6	14202.4	14114.1
57.5°	15840.9	15989.2	16158.7	16677.8	17680.6	18602.3	17680.6	16797.8	16042.2	15862.1
60°	17790.1	17973.7	18136.1	18902.4	20392.6	21688.5	20364.3	18962.4	17963.1	17719.5
62.5°	19884.1	20120.7	20233.7	21084.7	22822.0	24368.7	22846.7	21148.2	20039.5	19778.1
65°	21893.3	22087.5	22214.7	23122.2	24781.8	26332.0	24894.8	23221.0	22080.5	21737.9
67.5°	22829.1	22935.0	23245.8	24273.3	26024.8	27793.9	26321.4	24382.8	23108.0	22507.7
70°	21459.0	21243.6	21992.2	23637.7	26173.1	28690.8	26512.1	23588.3	22027.5	21052.9
72.5°	16582.4	16211.7	17511.1	20325.5	24478.1	28118.8	24647.6	20484.4	18319.8	16342.3
75°	9022.2	8602.0	10395.8	13955.2	19520.4	24372.2	19968.8	14354.2	11575.2	8955.1
77.5°	2546.0	2387.1	3834.9	6751.6	11741.2	17112.1	12193.2	6899.9	4548.2	2697.8
80°	780.4	755.7	1024.0	2034.0	4986.0	8195.9	4791.8	2058.7	1303.0	822.8
82.5°	462.6	423.7	508.5	741.5	1271.2	2574.2	1235.9	773.3	621.5	416.7
85°	264.8	247.2	300.2	360.2	427.3	547.3	356.6	367.2	331.9	222.5
87.5°	109.5	98.9	116.5	113.0	98.9	127.1	95.3	113.0	134.2	88.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6197.2
6176.0
6098.3
6013.6
5974.8
5974.8
5999.5
6045.4
6091.3
6112.5
6133.7
6186.6
6306.7
6493.8
6794.0
7210.7
7729.8
8390.1
9170.5
10060.3
11130.3
12426.2
13976.4
15734.9
17507.6
19566.3
21568.5
22514.8
<i>21286.0</i>
16833.1
9537.7
2998.0
868.7
452.0
233.1
81.2
0.0

OF REPORT)