

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: P944700

Luminaire Tested: **GALN-SB9D-740-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944700  
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-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

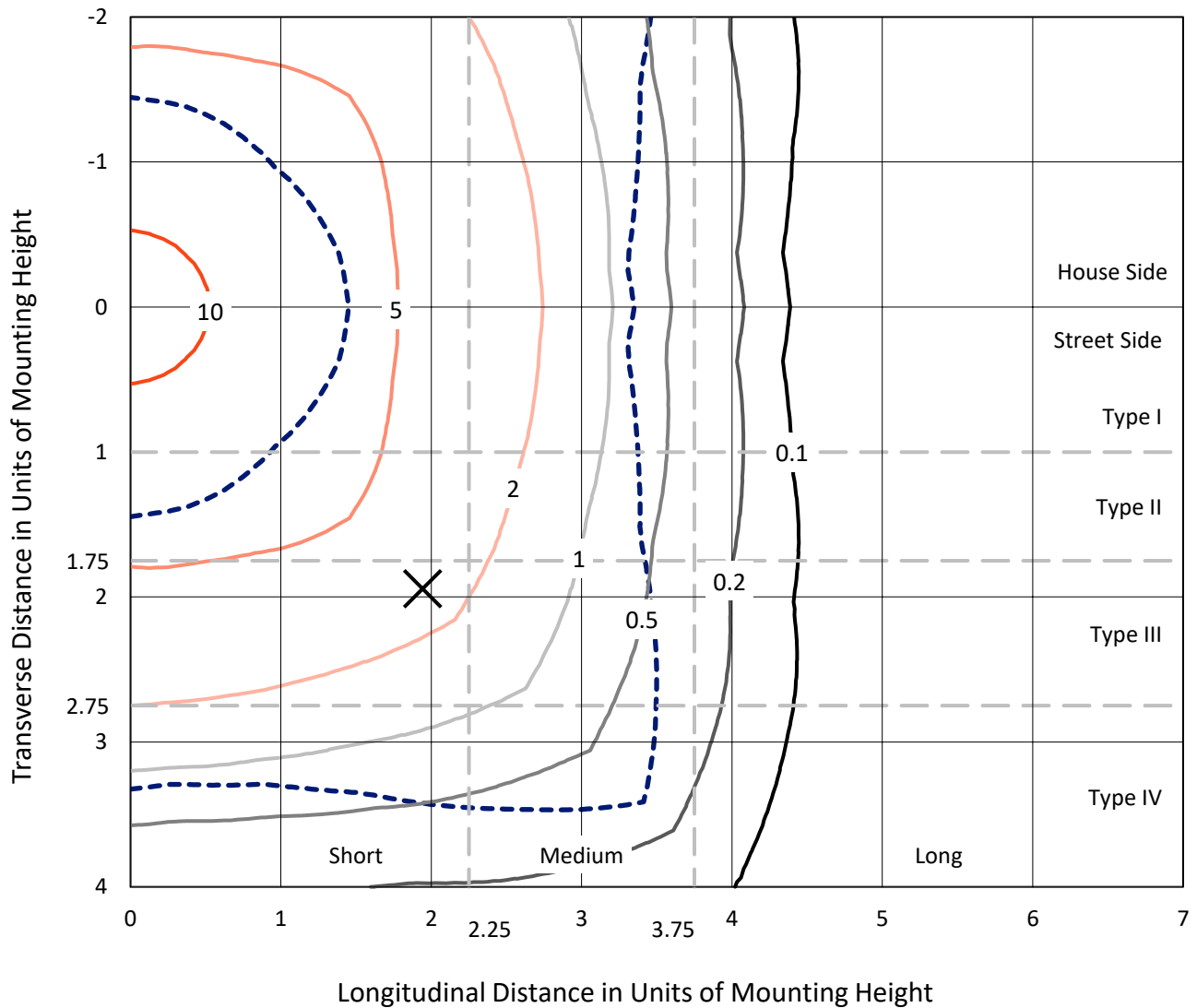
Lumens per Lamp: N/A  
Luminaire Lumens: 99189 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

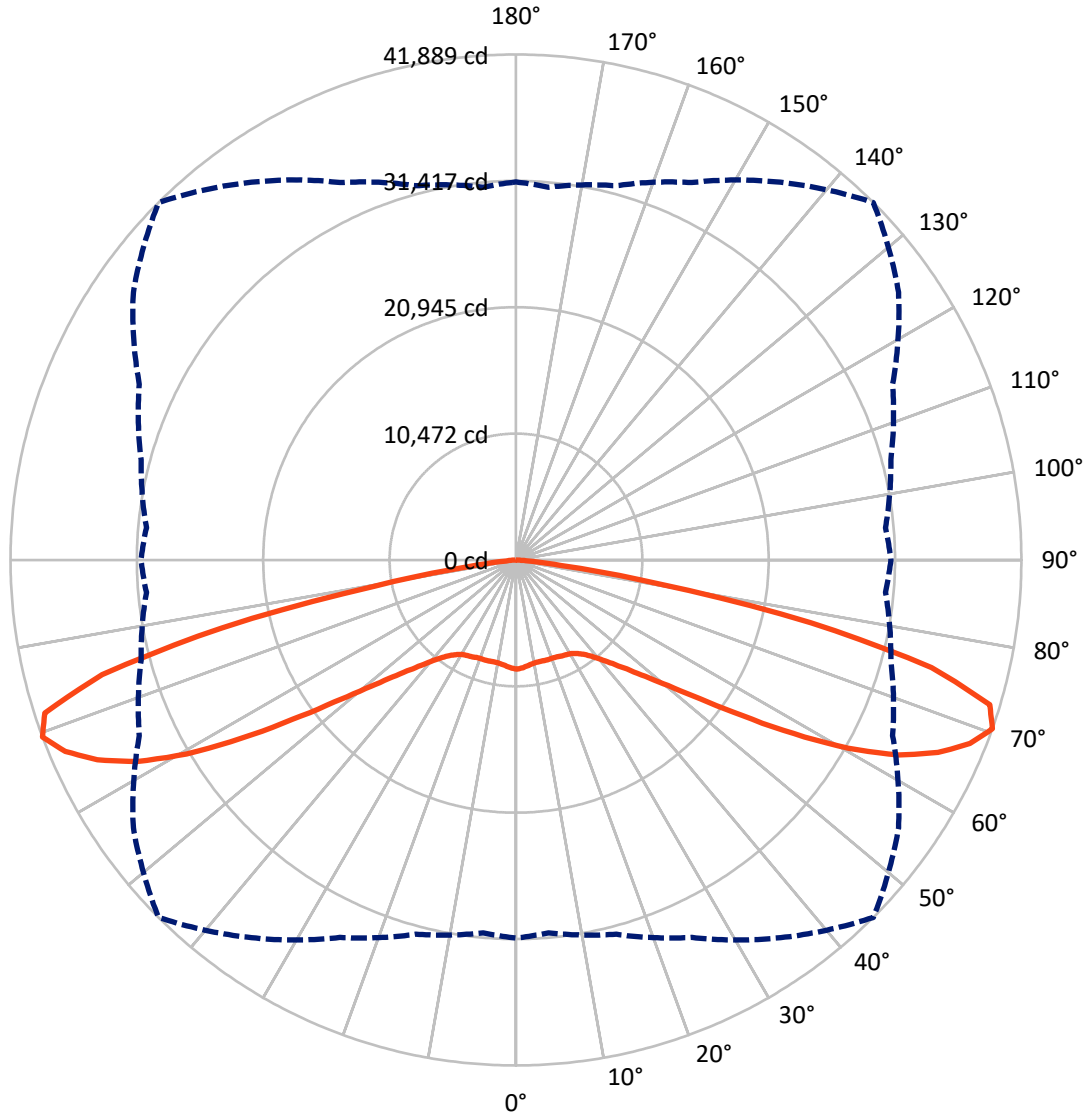
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 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	49594.5	0.0	49594.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	49594.5	0.0	49594.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	99189.0	0.0	99189.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	841.7	0.8
10°-20°	2471.4	2.5
20°-30°	4112.7	4.1
30°-40°	6219.7	6.3
40°-50°	10335.7	10.4
50°-60°	19503.0	19.7
60°-70°	32931.6	33.2
70°-80°	21639.5	21.8
80°-90°	1133.7	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°	99189.0	100.0
0°-180°	99189.0	100.0

**Coefficient of Utilization**



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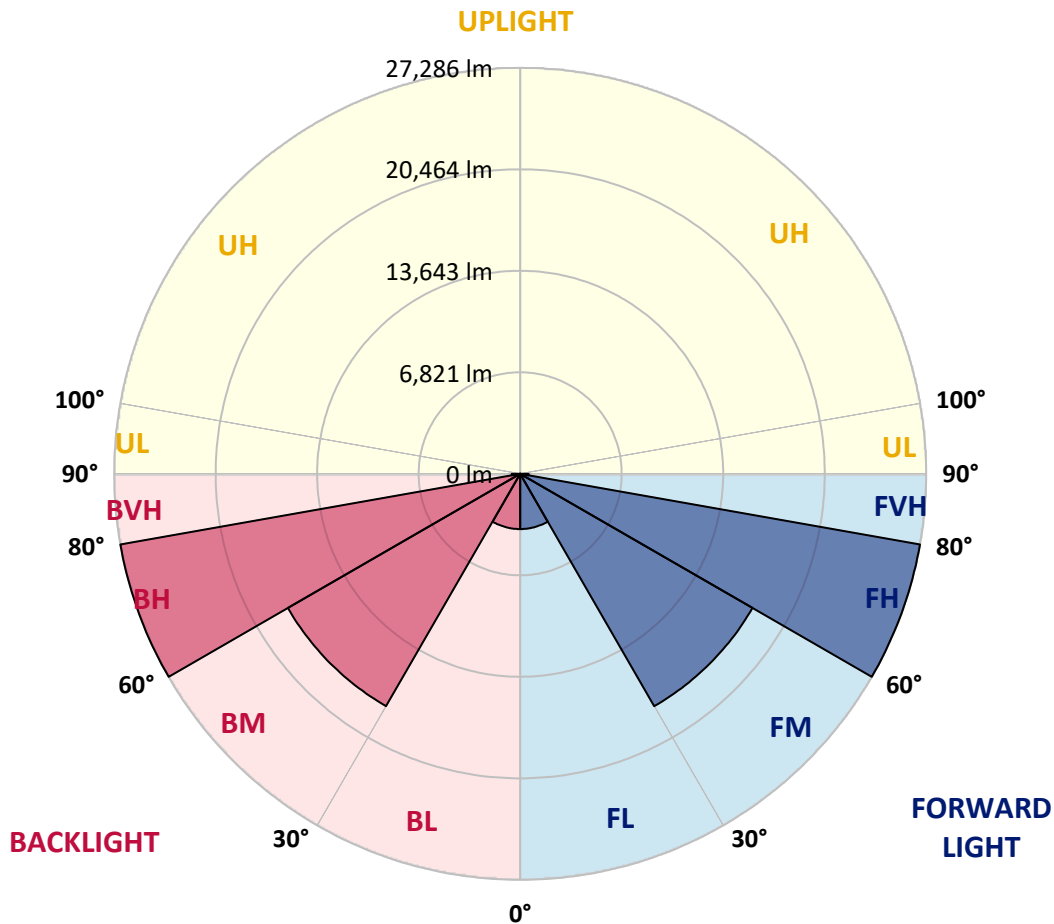
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3712.9	3.7			
FM (30°-60°)	18029.2	18.2			
FH (60°-80°)	27285.6	27.5			G5
FVH (80°-90°)	566.8	0.6			G4/750
BL (0°-30°)	3712.9	3.7	B4/5000		
BM (30°-60°)	18029.2	18.2	B5		
BH (60°-80°)	27285.6	27.5	B5		G5
BVH (80°-90°)	566.8	0.6			G4/750
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°	9048.0	9048.0	9048.0	9048.0	9048.0	9048.0	9048.0	9048.0	9048.0	9048.0
2.5°	8991.3	9017.1	9006.8	8986.2	8986.2	8970.7	8986.2	8996.5	9011.9	9022.3
5°	8872.7	8893.4	8888.2	8872.7	8877.9	8862.4	8872.7	8888.2	8898.5	8903.7
7.5°	8769.6	8790.3	8779.9	8754.2	8754.2	8738.7	8743.9	8759.3	8774.8	8779.9
10°	8743.9	8764.5	8733.5	8692.3	8676.8	8656.2	8661.4	8676.8	8707.8	8723.2
12.5°	8754.2	8769.6	8738.7	8676.8	8661.4	8640.7	8640.7	8656.2	8697.5	8718.1
15°	8785.1	8800.6	8754.2	8687.1	8671.7	8656.2	8651.1	8671.7	8718.1	8754.2
17.5°	8841.8	8857.3	8785.1	8692.3	8671.7	8676.8	8671.7	8687.1	8759.3	8826.3
20°	8893.4	8903.7	8805.7	8692.3	8671.7	8676.8	8671.7	8702.6	8795.4	8888.2
22.5°	8908.8	8919.1	8826.3	8728.4	8712.9	8718.1	8712.9	8743.9	8831.5	8924.3
25°	8914.0	8929.5	8857.3	8779.9	8805.7	8816.0	8805.7	8810.9	8877.9	8960.4
27.5°	8991.3	9011.9	8944.9	8877.9	8893.4	8888.2	8903.7	8919.1	8970.7	9053.2
30°	9151.1	9166.6	9109.9	9042.9	9032.6	8996.5	9042.9	9094.4	9151.1	9223.3
32.5°	9414.1	9445.0	9372.8	9300.7	9254.3	9233.6	9269.7	9357.4	9434.7	9512.0
35°	9852.3	9872.9	9805.9	9671.9	9589.4	9589.4	9620.3	9733.7	9857.5	9955.4
37.5°	10471.0	10496.8	10378.2	10218.3	10094.6	10094.6	10135.9	10254.4	10440.0	10579.2
40°	11223.7	11259.8	11110.3	10945.3	10826.7	10806.1	10857.6	10991.7	11167.0	11342.3
42.5°	12131.1	12172.3	11976.4	11832.0	11739.2	11739.2	11765.0	11888.8	12048.6	12265.1
45°	13291.1	13363.2	13095.2	12950.8	12863.2	12883.8	12899.2	13007.5	13151.9	13399.3
47.5°	14672.8	14744.9	14461.4	14311.9	14296.4	14394.4	14332.5	14409.8	14487.2	14770.7
50°	16240.1	16363.8	16167.9	16157.6	16188.5	16369.0	16224.6	16265.8	16178.2	16358.6
52.5°	18157.9	18338.4	18302.3	18364.2	18709.6	19080.8	18750.8	18606.5	18276.5	18333.2
55°	20483.1	20756.3	20807.9	21179.1	21962.7	22720.6	22019.5	21436.9	20735.7	20606.8
57.5°	23127.9	23344.4	23591.9	24349.8	25814.0	27159.6	25814.0	24525.1	23421.8	23158.8
60°	25973.8	26241.9	26479.0	27597.8	29773.4	31665.5	29732.2	27685.4	26226.4	25870.7
62.5°	29031.0	29376.5	29541.4	30783.9	33320.5	35578.6	33356.6	30876.7	29257.9	28876.4
65°	31964.6	32248.1	32433.7	33758.7	36181.8	38445.1	36346.8	33903.1	32237.8	31737.7
67.5°	33330.8	33485.5	33939.1	35439.4	37996.6	40579.5	38429.7	35599.2	33738.1	32861.6
70°	31330.4	31015.9	32108.9	34511.4	38213.1	41889.0	38708.1	34439.2	32160.5	30737.5
72.5°	24210.6	23669.2	25566.5	29675.5	35738.4	41053.8	35985.9	29907.5	26747.1	23860.0
75°	13172.5	12559.0	15178.0	20374.8	28500.0	35583.8	29154.8	20957.4	16900.0	13074.5
77.5°	3717.2	3485.2	5599.0	9857.5	17142.3	24983.9	17802.2	10074.0	6640.4	3938.9
80°	1139.4	1103.3	1495.1	2969.6	7279.7	11966.1	6996.1	3005.7	1902.4	1201.2
82.5°	675.4	618.7	742.4	1082.7	1856.0	3758.4	1804.5	1129.1	907.4	608.4
85°	386.7	360.9	438.2	525.9	623.8	799.1	520.7	536.2	484.6	324.8
87.5°	159.8	144.4	170.1	165.0	144.4	185.6	139.2	165.0	195.9	128.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
9048.0  
9017.1  
8903.7  
8779.9  
8723.2  
8723.2  
8759.3  
8826.3  
8893.4  
8924.3  
8955.2  
9032.6  
9207.9  
9481.1  
9919.3  
10527.7  
11285.6  
12249.6  
13389.0  
14688.2  
16250.4  
18142.5  
20405.8  
22973.2  
25561.3  
28567.0  
31490.3  
32871.9  
**31077.8**  
24576.6  
13925.2  
4377.1  
1268.3  
659.9  
340.3  
118.6  
0.0

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