

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: P957581

Luminaire Tested: **GALN-SB9D-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB9D-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

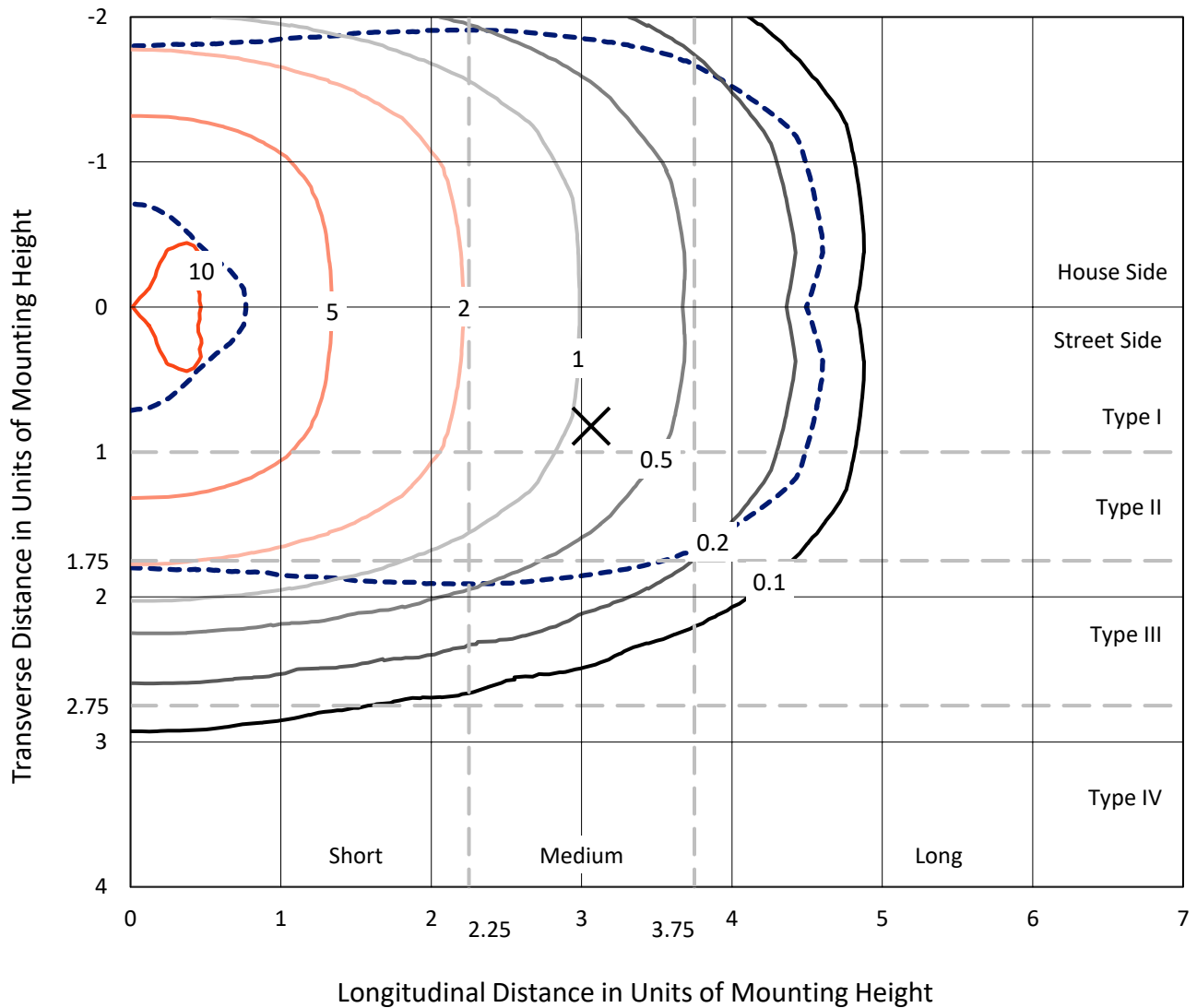
Lumens per Lamp: N/A  
Luminaire Lumens: 58097 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

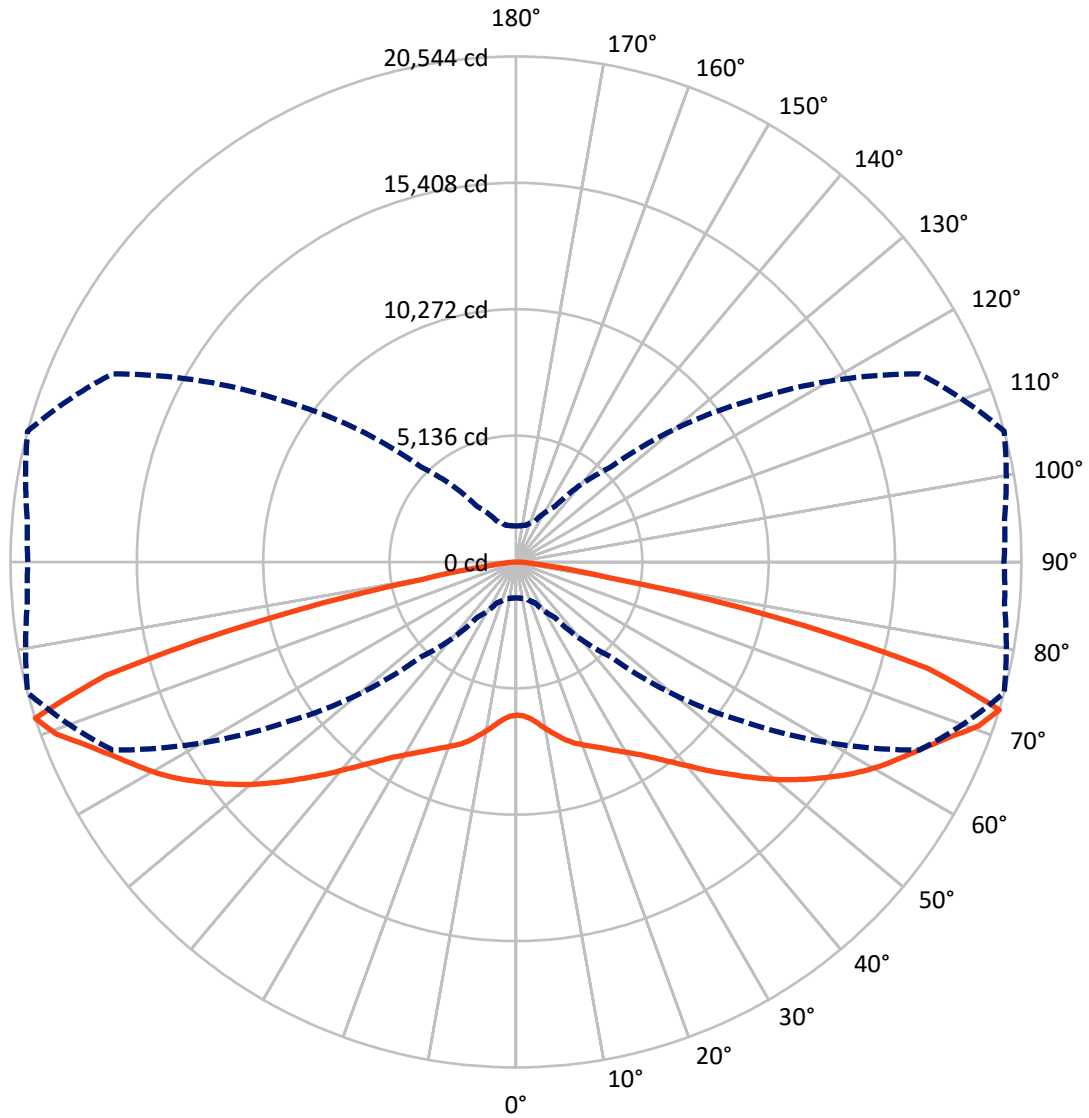
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29048.5	0.0	29048.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29048.5	0.0	29048.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	58097.0	0.0	58097.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	609.6	1.0
10°-20°	2010.6	3.5
20°-30°	3885.2	6.7
30°-40°	6560.3	11.3
40°-50°	10403.9	17.9
50°-60°	13929.6	24.0
60°-70°	13256.6	22.8
70°-80°	6917.5	11.9
80°-90°	523.6	0.9
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°	58097.0	100.0
0°-180°	58097.0	100.0

**Coefficient of Utilization**



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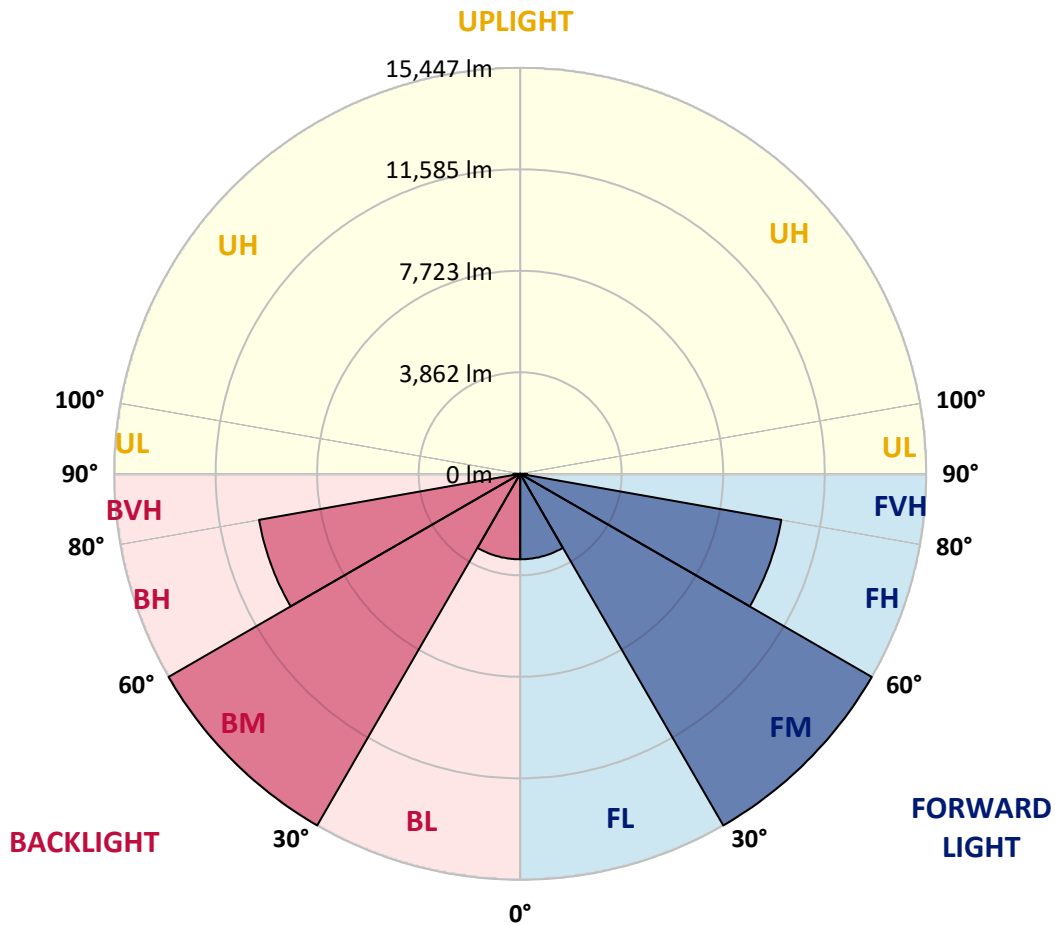
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3252.7	5.6			
FM (30°-60°)	15446.9	26.6			
FH (60°-80°)	10087.0	17.4			G4/12000
FVH (80°-90°)	261.8	0.5			G3/500
BL (0°-30°)	3252.7	5.6	B4/5000		
BM (30°-60°)	15446.9	26.6	B5		
BH (60°-80°)	10087.0	17.4	B5		G5
BVH (80°-90°)	261.8	0.5			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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6223.2	6223.2	6223.2	6223.2	6223.2	6223.2	6223.2	6223.2	6223.2	6223.2
2.5°	6223.2	6217.3	6223.2	6229.2	6226.2	6226.2	6241.0	6249.9	6267.7	6264.8
5°	6181.7	6178.7	6202.5	6229.2	6249.9	6285.5	6330.0	6362.6	6404.2	6413.1
7.5°	6160.9	6152.0	6193.6	6241.0	6306.3	6395.3	6481.3	6570.3	6641.5	6665.2
10°	6175.8	6178.7	6235.1	6324.1	6427.9	6552.5	6674.1	6825.4	6926.2	6950.0
12.5°	6244.0	6238.1	6333.0	6475.4	6617.7	6775.0	6917.3	7083.4	7193.2	7249.6
15°	6368.6	6356.7	6490.2	6700.8	6908.4	7092.3	7208.0	7365.2	7492.8	7564.0
17.5°	6516.9	6522.8	6697.8	6970.7	7243.6	7451.3	7561.0	7641.1	7739.0	7801.3
20°	6777.9	6789.8	6985.6	7308.9	7620.3	7857.6	7946.6	7917.0	7943.7	7991.1
22.5°	7127.9	7133.9	7353.4	7703.4	8029.7	8290.7	8350.0	8228.4	8154.3	8186.9
25°	7534.3	7572.9	7792.4	8151.3	8486.5	8735.7	8762.4	8578.4	8394.5	8403.4
27.5°	8029.7	8065.3	8287.8	8643.7	8984.8	9201.4	9198.4	8952.2	8682.3	8614.0
30°	8566.6	8605.1	8833.5	9201.4	9518.8	9708.6	9667.1	9373.4	8987.8	8860.2
32.5°	9204.3	9228.1	9459.4	9827.2	10120.9	10272.2	10186.2	9824.3	9343.7	9198.4
35°	9975.6	10011.2	10183.2	10530.2	10788.3	10912.9	10767.6	10340.4	9800.5	9637.4
37.5°	10856.5	10832.8	11028.6	11337.1	11550.6	11627.8	11429.0	10921.8	10322.6	10129.8
40°	11776.1	11764.2	11977.8	12274.4	12390.1	12437.6	12143.9	11589.2	10924.8	10717.1
42.5°	12609.6	12600.7	12888.4	13217.7	13357.1	13303.7	12932.9	12298.1	11621.8	11384.5
45°	13277.0	13265.1	13618.1	14080.9	14353.8	14264.8	13766.4	13081.2	12327.8	12081.6
47.5°	13790.2	13796.1	14175.8	14748.3	15225.8	15258.5	14617.8	13879.2	13105.0	12826.1
50°	14161.0	14178.8	14585.1	15219.9	15872.5	16160.2	15486.9	14697.9	13908.8	13594.4
52.5°	14252.9	14285.5	14775.0	15519.5	16287.8	16836.5	16370.8	15483.9	14671.2	14371.6
55°	13763.5	13828.7	14448.7	15495.8	16542.9	17281.5	17148.0	16281.8	15439.4	15130.9
57.5°	12639.3	12731.2	13455.0	14822.4	16486.5	17587.0	17750.1	17047.1	16207.7	15911.1
60°	11064.2	11173.9	11868.0	13360.1	15691.6	17699.7	18174.3	17791.7	16913.7	16625.9
62.5°	8688.2	8830.6	9661.1	11411.2	14012.6	17174.7	18536.2	18465.0	17548.4	17189.5
65°	5573.6	5724.9	6599.9	8667.4	11773.1	15567.0	18648.9	19120.6	18218.8	17717.5
67.5°	3360.8	3429.0	3862.1	5253.3	8605.1	13143.5	17693.8	19847.3	19001.9	18379.0
70°	2150.5	2189.1	2447.2	3084.9	4864.7	9589.9	15326.7	19983.7	19951.1	19058.3
72.5°	1459.4	1471.3	1539.5	1827.2	2752.7	5449.0	11304.4	18091.3	20544.4	19933.3
75°	1067.9	1133.1	1242.9	1293.3	1563.2	2723.0	6478.3	12710.5	17314.1	17581.1
77.5°	795.0	797.9	949.2	1008.5	1115.3	1450.5	2740.8	7095.3	10749.8	11286.6
80°	673.3	637.7	634.8	812.8	839.5	904.7	1225.1	2450.1	3850.2	2334.5
82.5°	560.6	522.1	471.6	634.8	572.5	554.7	531.0	996.7	1225.1	602.2
85°	391.5	373.7	356.0	415.3	326.3	278.8	255.1	465.7	516.1	255.1
87.5°	169.1	175.0	178.0	183.9	136.4	97.9	97.9	130.5	130.5	100.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6223.2
6261.8
6413.1
6671.1
6973.7
7273.3
7590.7
7830.9
8026.7
8210.6
8418.3
8634.8
8875.1
9234.0
9661.1
10165.4
10785.3
11443.9
12138.0
12909.2
13689.3
14448.7
15217.0
15979.3
16688.2
17231.0
17779.8
18426.5
19052.3
19838.4
16934.4
10067.5
1764.9
513.2
225.4
74.2
0.0

OF REPORT)