

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: P956216

Luminaire Tested: **GALN-SB8D-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956216  
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-SB8D-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

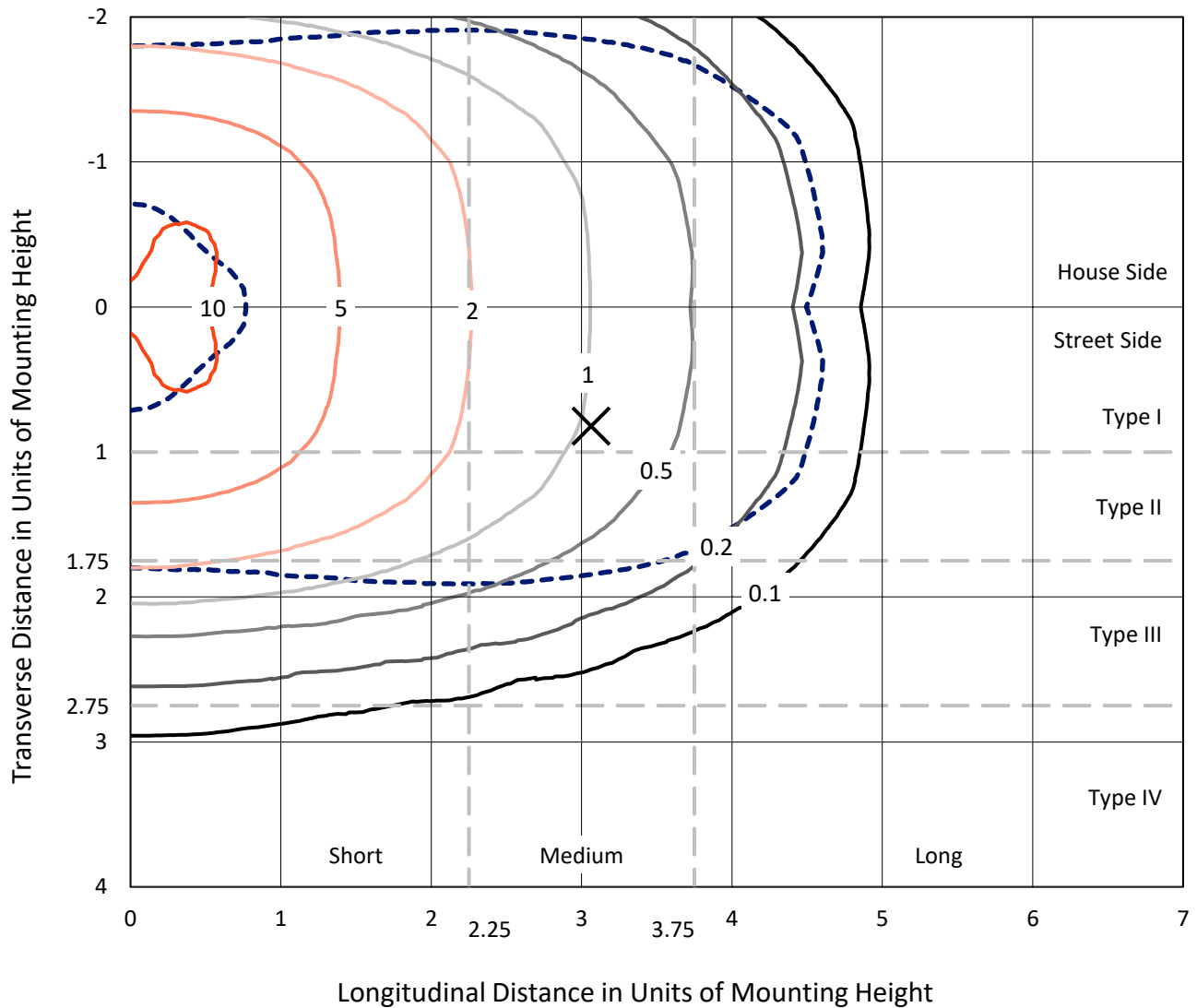
Lumens per Lamp: N/A  
Luminaire Lumens: 61401 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): 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

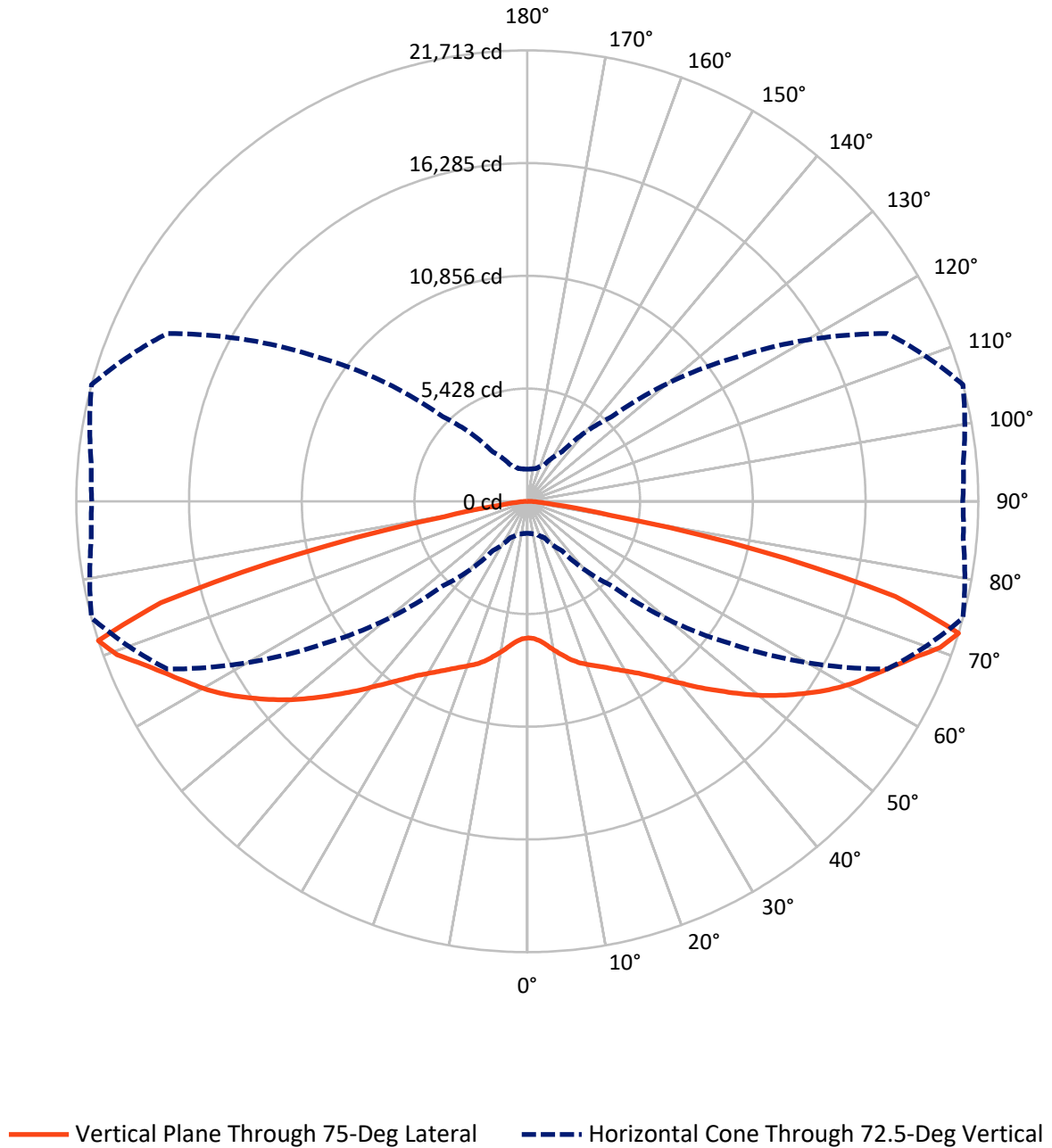
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	30700.5	0.0	30700.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30700.5	0.0	30700.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	61401.0	0.0	61401.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	644.3	1.0
10°-20°	2125.0	3.5
20°-30°	4106.1	6.7
30°-40°	6933.4	11.3
40°-50°	10995.6	17.9
50°-60°	14721.8	24.0
60°-70°	14010.5	22.8
70°-80°	7310.9	11.9
80°-90°	553.4	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°	61401.0	100.0
0°-180°	61401.0	100.0

**Coefficient of Utilization**



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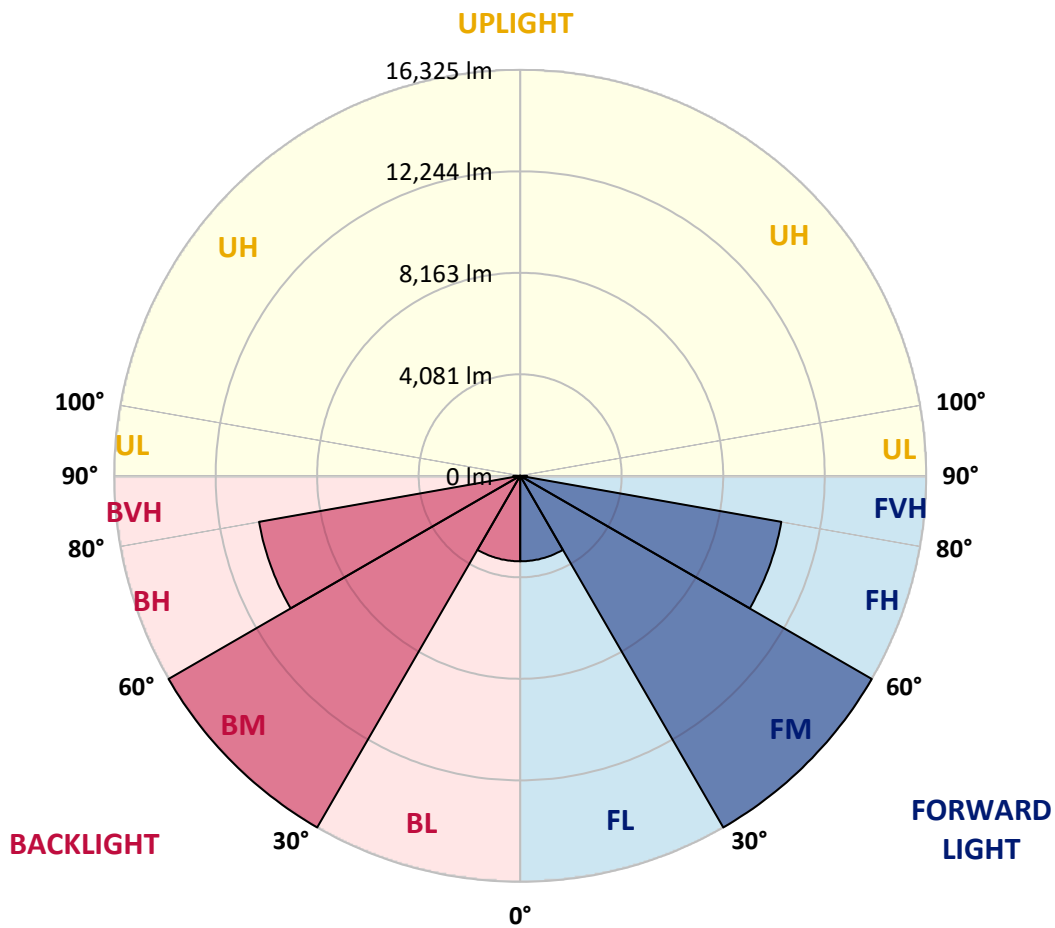
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3437.7	5.6			
FM (30°-60°)	16325.4	26.6			
FH (60°-80°)	10660.7	17.4			G4/12000
FVH (80°-90°)	276.7	0.5			G3/500
BL (0°-30°)	3437.7	5.6	B4/5000		
BM (30°-60°)	16325.4	26.6	B5		
BH (60°-80°)	10660.7	17.4	B5		G5
BVH (80°-90°)	276.7	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°	6577.1	6577.1	6577.1	6577.1	6577.1	6577.1	6577.1	6577.1	6577.1	6577.1
2.5°	6577.1	6570.9	6577.1	6583.4	6580.3	6580.3	6596.0	6605.4	6624.2	6621.0
5°	6533.3	6530.1	6555.2	6583.4	6605.4	6643.0	6690.0	6724.5	6768.4	6777.8
7.5°	6511.3	6501.9	6545.8	6596.0	6664.9	6759.0	6849.9	6943.9	7019.2	7044.3
10°	6527.0	6530.1	6589.7	6683.7	6793.5	6925.1	7053.7	7213.5	7320.1	7345.2
12.5°	6599.1	6592.8	6693.1	6843.6	6994.1	7160.2	7310.7	7486.3	7602.3	7661.8
15°	6730.8	6718.2	6859.3	7081.9	7301.3	7495.7	7618.0	7784.1	7918.9	7994.1
17.5°	6887.5	6893.8	7078.7	7367.2	7655.6	7875.0	7991.0	8075.7	8179.1	8244.9
20°	7163.4	7175.9	7382.8	7724.5	8053.7	8304.5	8398.6	8367.2	8395.4	8445.6
22.5°	7533.3	7539.6	7771.6	8141.5	8486.3	8762.2	8824.9	8696.4	8618.0	8652.5
25°	7962.8	8003.6	8235.5	8614.9	8969.1	9232.5	9260.7	9066.3	8871.9	8881.3
27.5°	8486.3	8524.0	8759.1	9135.3	9495.8	9724.6	9721.5	9461.3	9176.0	9103.9
30°	9053.8	9094.5	9335.9	9724.6	10060.1	10260.7	10216.8	9906.5	9498.9	9364.1
32.5°	9727.8	9752.9	9997.4	10386.1	10696.5	10856.4	10765.5	10383.0	9875.1	9721.5
35°	10542.9	10580.5	10762.3	11129.1	11401.8	11533.5	11379.9	10928.5	10357.9	10185.5
37.5°	11474.0	11448.9	11655.8	11981.8	12207.5	12289.0	12079.0	11542.9	10909.7	10705.9
40°	12445.8	12433.3	12659.0	12972.5	13094.7	13144.9	12834.5	12248.3	11546.1	11326.6
42.5°	13326.7	13317.3	13621.4	13969.4	14116.7	14060.3	13668.4	12997.5	12282.8	12032.0
45°	14032.1	14019.5	14392.6	14881.7	15170.1	15076.0	14549.3	13825.2	13028.9	12768.7
47.5°	14574.4	14580.7	14982.0	15587.0	16091.8	16126.2	15449.1	14668.5	13850.3	13555.6
50°	14966.3	14985.1	15414.6	16085.5	16775.2	17079.3	16367.6	15533.7	14699.8	14367.5
52.5°	15063.5	15098.0	15615.2	16402.1	17214.1	17794.0	17301.8	16364.5	15505.5	15188.9
55°	14546.2	14615.2	15270.4	16377.0	17483.7	18264.3	18123.2	17207.8	16317.5	15991.4
57.5°	13358.1	13455.2	14220.2	15665.4	17424.1	18587.2	18759.6	18016.6	17129.4	16815.9
60°	11693.4	11809.4	12543.0	14119.9	16583.9	18706.3	19207.9	18803.5	17875.5	17571.5
62.5°	9182.3	9332.8	10210.6	12060.2	14809.6	18151.4	19590.4	19515.1	18546.4	18167.1
65°	5890.6	6050.5	6975.3	9160.4	12442.7	16452.3	19709.5	20208.0	19254.9	18725.1
67.5°	3551.9	3624.0	4081.7	5552.0	9094.5	13891.0	18700.0	20976.0	20082.6	19424.2
70°	2272.8	2313.6	2586.3	3260.4	5141.3	10135.3	16198.3	21120.2	21085.7	20142.1
72.5°	1542.4	1554.9	1627.0	1931.1	2909.2	5758.9	11947.3	19120.1	21712.7	21066.9
75°	1128.6	1197.6	1313.5	1366.8	1652.1	2877.9	6846.8	13433.3	18298.8	18580.9
77.5°	840.2	843.3	1003.2	1065.9	1178.7	1533.0	2896.7	7498.8	11361.1	11928.5
80°	711.6	674.0	670.9	859.0	887.2	956.2	1294.7	2589.5	4069.2	2467.2
82.5°	592.5	551.8	498.5	670.9	605.0	586.2	561.2	1053.3	1294.7	636.4
85°	413.8	395.0	376.2	438.9	344.8	294.7	269.6	492.2	545.5	269.6
87.5°	178.7	185.0	188.1	194.4	144.2	103.5	103.5	137.9	137.9	106.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
6577.1
6617.9
6777.8
7050.5
7370.3
7686.9
8022.4
8276.3
8483.2
8677.6
8897.0
9125.9
9379.8
9759.1
10210.6
10743.5
11398.7
12094.7
12828.3
13643.3
14467.8
15270.4
16082.3
16888.0
17637.3
18211.0
18791.0
19474.4
20135.8
20966.6
17897.5
10640.1
1865.3
542.3
238.3
78.4
0.0

OF REPORT)