

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: P954809

Luminaire Tested: **GALN-SB7D-950-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954809  
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-SB7D-950-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

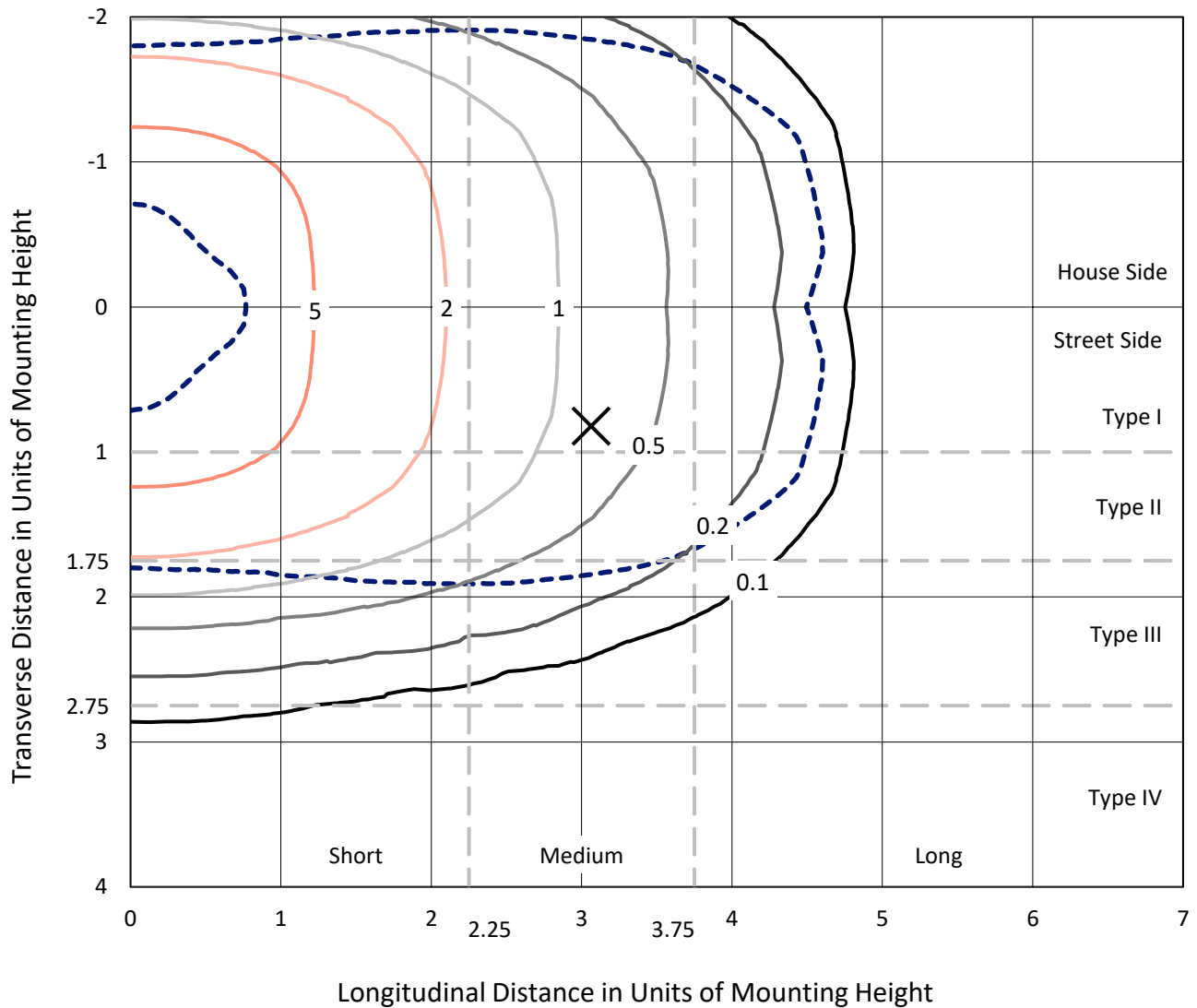
Lumens per Lamp: N/A  
Luminaire Lumens: 51841 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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

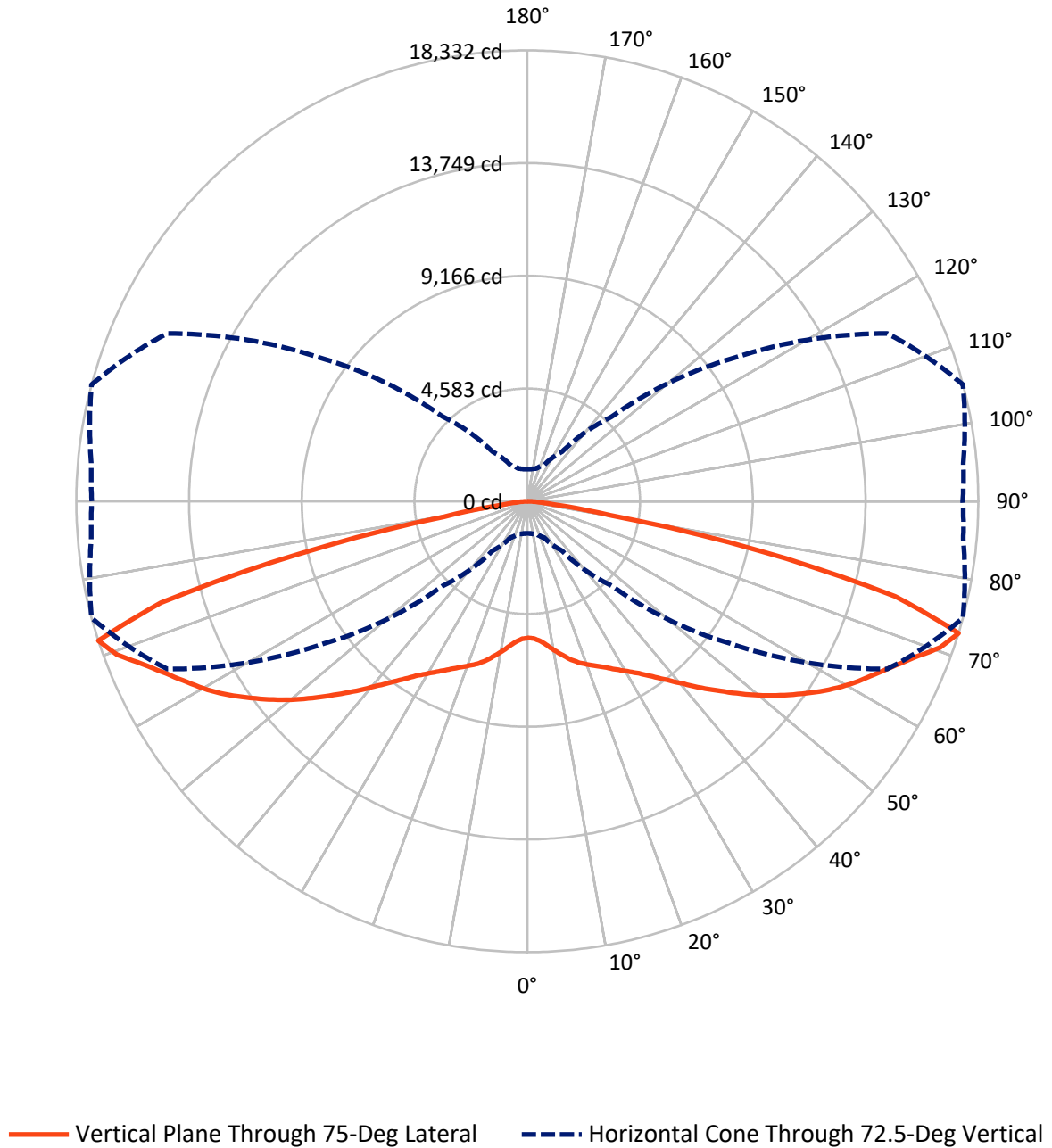
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	25920.5	0.0	25920.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25920.5	0.0	25920.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51841.0	0.0	51841.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	544.0	1.0
10°-20°	1794.1	3.5
20°-30°	3466.8	6.7
30°-40°	5853.9	11.3
40°-50°	9283.6	17.9
50°-60°	12429.7	24.0
60°-70°	11829.1	22.8
70°-80°	6172.6	11.9
80°-90°	467.2	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°	51841.0	100.0
0°-180°	51841.0	100.0



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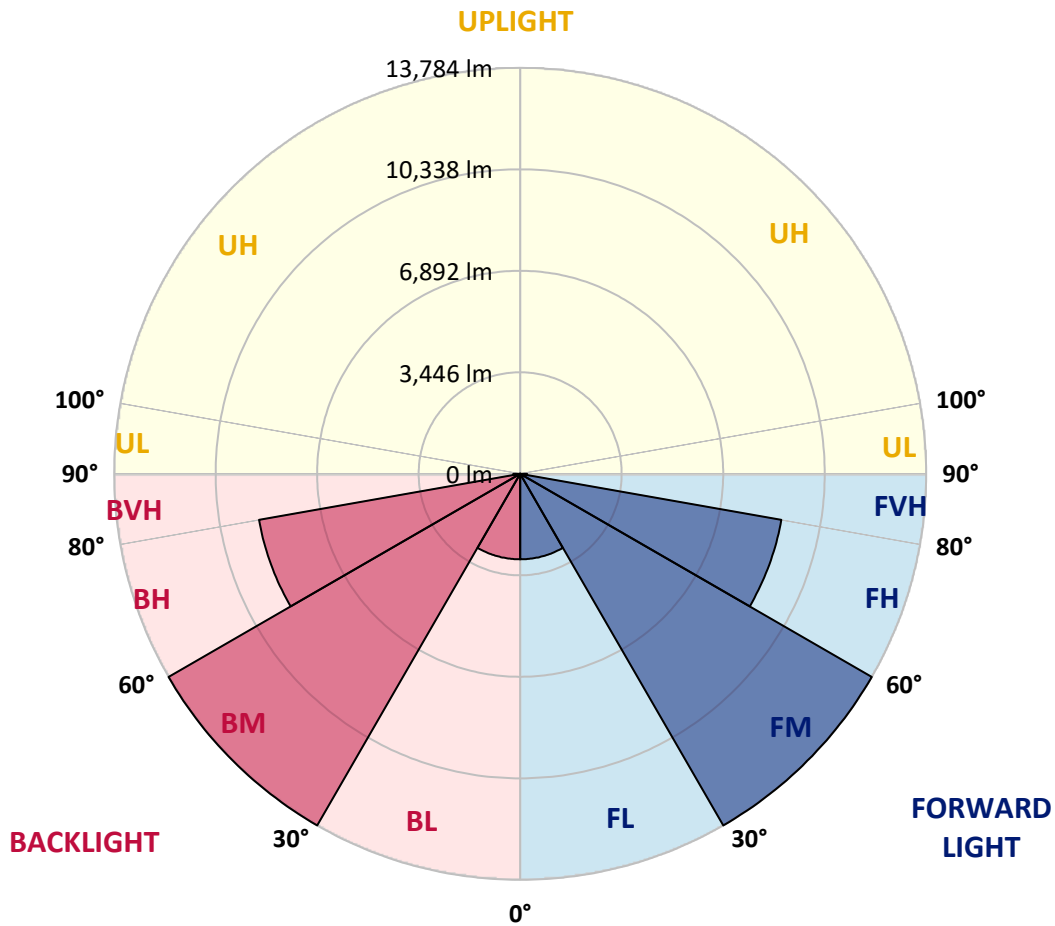
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2902.5	5.6			
FM (30°-60°)	13783.6	26.6			
FH (60°-80°)	9000.8	17.4			G4/12000
FVH (80°-90°)	233.6	0.5			G3/500
BL (0°-30°)	2902.5	5.6	B4/5000		
BM (30°-60°)	13783.6	26.6	B5		
BH (60°-80°)	9000.8	17.4	B5		G5
BVH (80°-90°)	233.6	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°	5553.1	5553.1	5553.1	5553.1	5553.1	5553.1	5553.1	5553.1	5553.1	5553.1
2.5°	5553.1	5547.8	5553.1	5558.4	5555.7	5555.7	5569.0	5576.9	5592.8	5590.2
5°	5516.0	5513.4	5534.6	5558.4	5576.9	5608.7	5648.4	5677.5	5714.6	5722.5
7.5°	5497.5	5489.6	5526.6	5569.0	5627.2	5706.6	5783.4	5862.8	5926.3	5947.5
10°	5510.7	5513.4	5563.7	5643.1	5735.7	5846.9	5955.4	6090.4	6180.4	6201.6
12.5°	5571.6	5566.3	5651.0	5778.1	5905.1	6045.4	6172.5	6320.7	6418.6	6468.9
15°	5682.8	5672.2	5791.3	5979.2	6164.5	6328.6	6431.9	6572.1	6686.0	6749.5
17.5°	5815.1	5820.4	5976.6	6220.1	6463.6	6648.9	6746.8	6818.3	6905.6	6961.2
20°	6048.1	6058.6	6233.3	6521.8	6799.8	7011.5	7090.9	7064.5	7088.3	7130.6
22.5°	6360.4	6365.7	6561.6	6873.9	7165.0	7398.0	7450.9	7342.4	7276.2	7305.3
25°	6723.0	6757.4	6953.3	7273.6	7572.6	7795.0	7818.8	7654.7	7490.6	7498.5
27.5°	7165.0	7196.8	7395.3	7712.9	8017.3	8210.5	8207.9	7988.2	7747.3	7686.5
30°	7644.1	7678.5	7882.3	8210.5	8493.8	8663.2	8626.1	8364.1	8020.0	7906.2
32.5°	8213.2	8234.4	8440.8	8769.0	9031.1	9166.1	9089.3	8766.4	8337.6	8207.9
35°	8901.4	8933.1	9086.6	9396.3	9626.6	9737.8	9608.1	9226.9	8745.2	8599.6
37.5°	9687.5	9666.3	9841.0	10116.3	10306.8	10375.7	10198.3	9745.7	9211.1	9039.0
40°	10508.0	10497.4	10688.0	10952.7	11055.9	11098.3	10836.2	10341.3	9748.4	9563.1
42.5°	11251.8	11243.8	11500.6	11794.4	11918.8	11871.1	11540.3	10973.9	10370.4	10158.6
45°	11847.3	11836.7	12151.7	12564.6	12808.1	12728.7	12284.0	11672.6	11000.3	10780.6
47.5°	12305.2	12310.5	12649.3	13160.2	13586.3	13615.4	13043.7	12384.6	11693.8	11445.0
50°	12636.1	12652.0	13014.6	13581.0	14163.3	14420.1	13819.2	13115.2	12411.1	12130.5
52.5°	12718.1	12747.2	13184.0	13848.3	14533.9	15023.5	14608.0	13816.6	13091.3	12824.0
55°	12281.4	12339.6	12892.8	13827.2	14761.5	15420.6	15301.5	14528.6	13776.9	13501.6
57.5°	11278.2	11360.3	12006.1	13226.3	14711.2	15693.2	15838.8	15211.5	14462.4	14197.7
60°	9872.8	9970.7	10590.1	11921.4	14001.9	15793.8	16217.3	15875.8	15092.4	14835.6
62.5°	7752.6	7879.7	8620.8	10182.4	12503.7	15325.3	16540.2	16476.7	15658.8	15338.5
65°	4973.4	5108.4	5889.2	7734.1	10505.4	13890.7	16640.8	17061.6	16257.0	15809.7
67.5°	2998.9	3059.8	3446.2	4687.6	7678.5	11728.2	15788.5	17710.1	16955.7	16399.9
70°	1919.0	1953.4	2183.7	2752.7	4340.8	8557.3	13676.3	17831.9	17802.7	17006.0
72.5°	1302.3	1312.8	1373.7	1630.5	2456.3	4862.3	10087.2	16143.2	18332.1	17786.9
75°	952.9	1011.1	1109.0	1154.0	1394.9	2429.8	5780.7	11341.8	15449.7	15687.9
77.5°	709.4	712.0	847.0	899.9	995.2	1294.3	2445.7	6331.3	9592.2	10071.3
80°	600.8	569.1	566.4	725.2	749.1	807.3	1093.2	2186.3	3435.6	2083.1
82.5°	500.3	465.8	420.8	566.4	510.8	495.0	473.8	889.3	1093.2	537.3
85°	349.4	333.5	317.6	370.6	291.2	248.8	227.6	415.6	460.6	227.6
87.5°	150.9	156.2	158.8	164.1	121.8	87.3	87.3	116.5	116.5	90.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5553.1
5587.5
5722.5
5952.8
6222.8
6490.1
6773.3
6987.7
7162.4
7326.5
7511.8
7705.0
7919.4
8239.7
8620.8
9070.8
9624.0
10211.6
10830.9
11519.1
12215.2
12892.8
13578.4
14258.6
14891.2
15375.6
15865.2
16442.3
17000.7
17702.2
15110.9
8983.4
1574.9
457.9
201.2
66.2
0.0

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