

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: P950357

Luminaire Tested: **GALN-SB4D-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950357  
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-SB4D-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

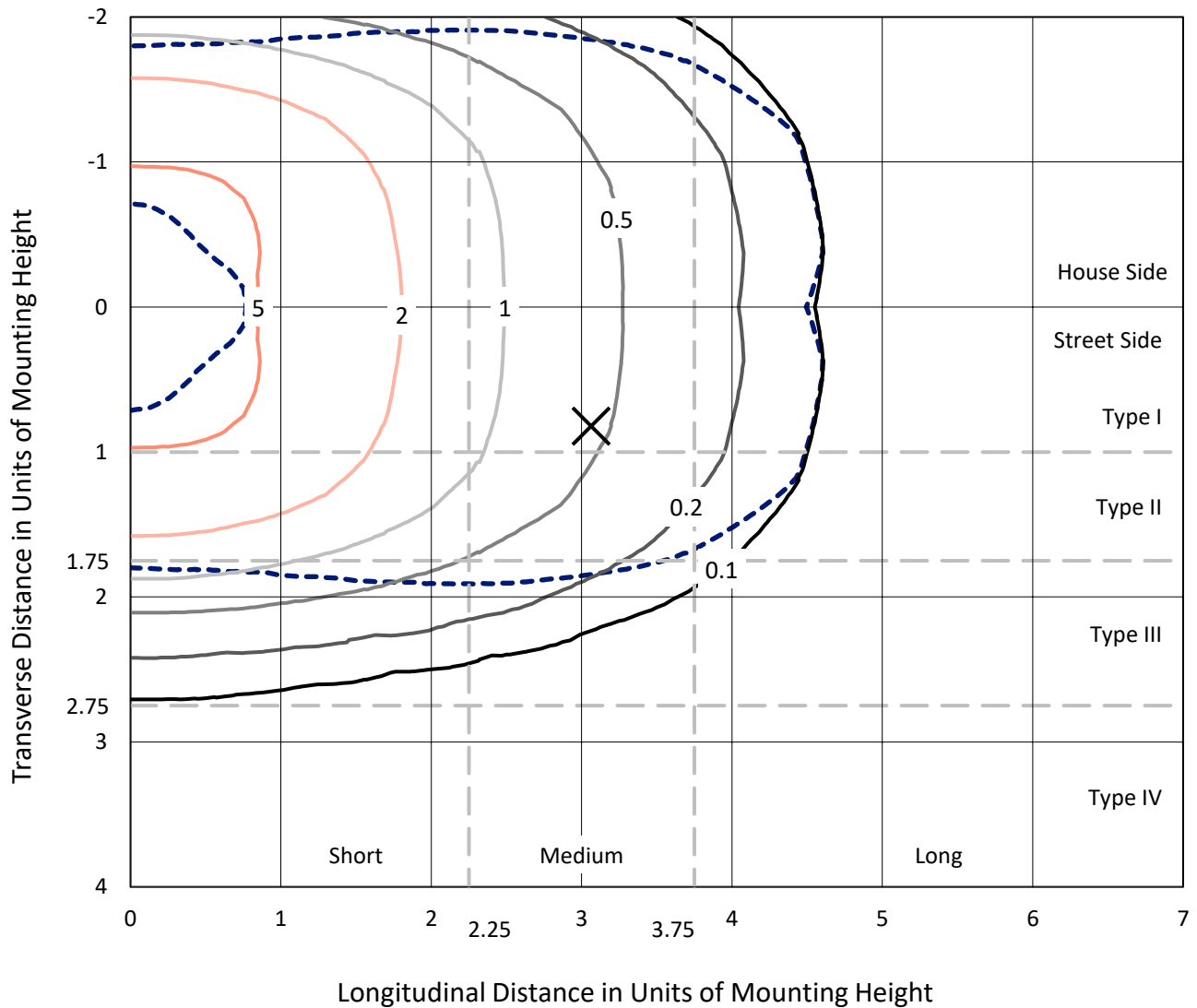
Lumens per Lamp: N/A  
Luminaire Lumens: 37736 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

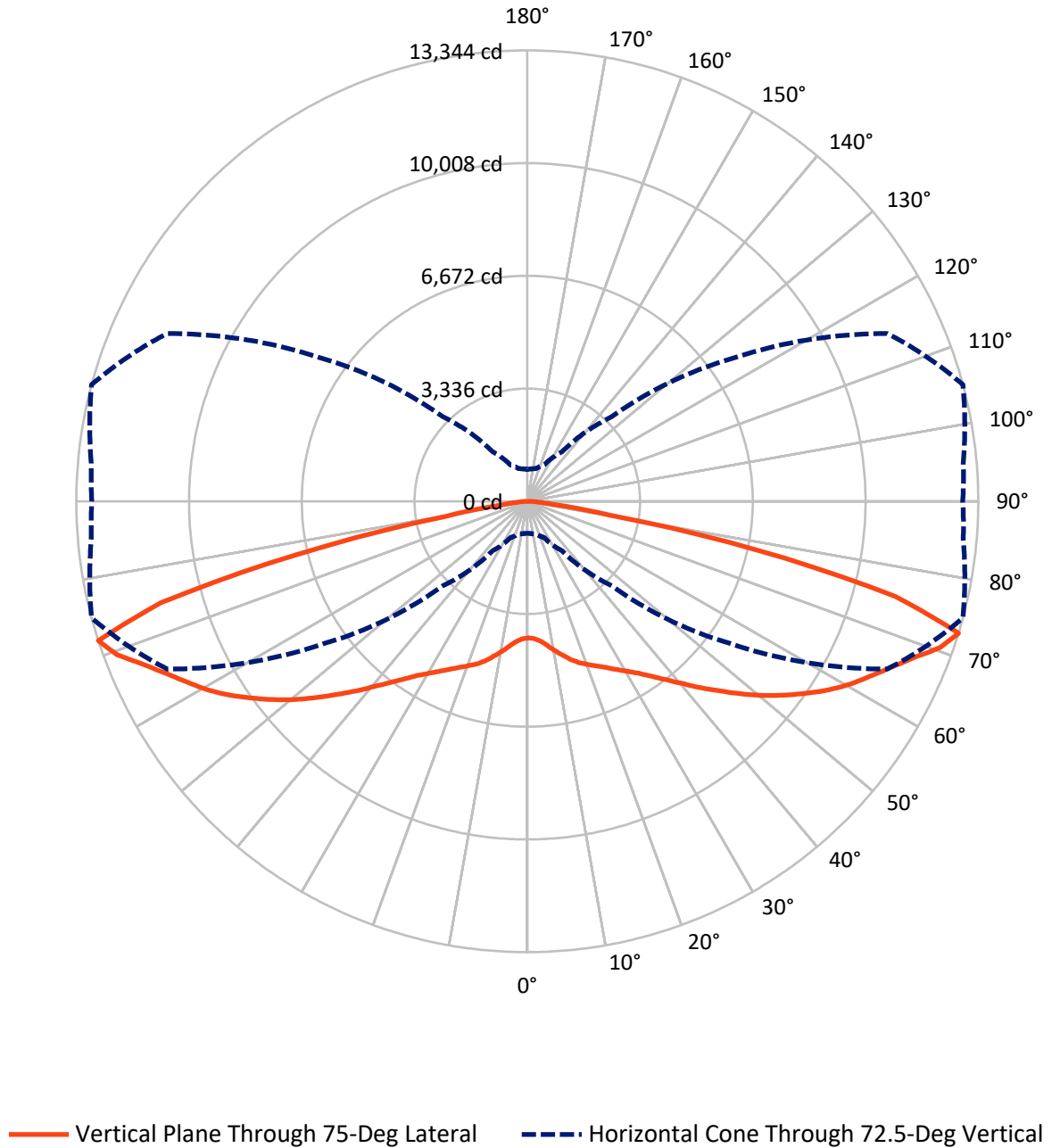
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	18868.0	0.0	18868.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18868.0	0.0	18868.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37736.0	0.0	37736.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	396.0	1.0
10°-20°	1306.0	3.5
20°-30°	2523.5	6.7
30°-40°	4261.2	11.3
40°-50°	6757.7	17.9
50°-60°	9047.8	24.0
60°-70°	8610.6	22.8
70°-80°	4493.1	11.9
80°-90°	340.1	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°	37736.0	100.0
0°-180°	37736.0	100.0



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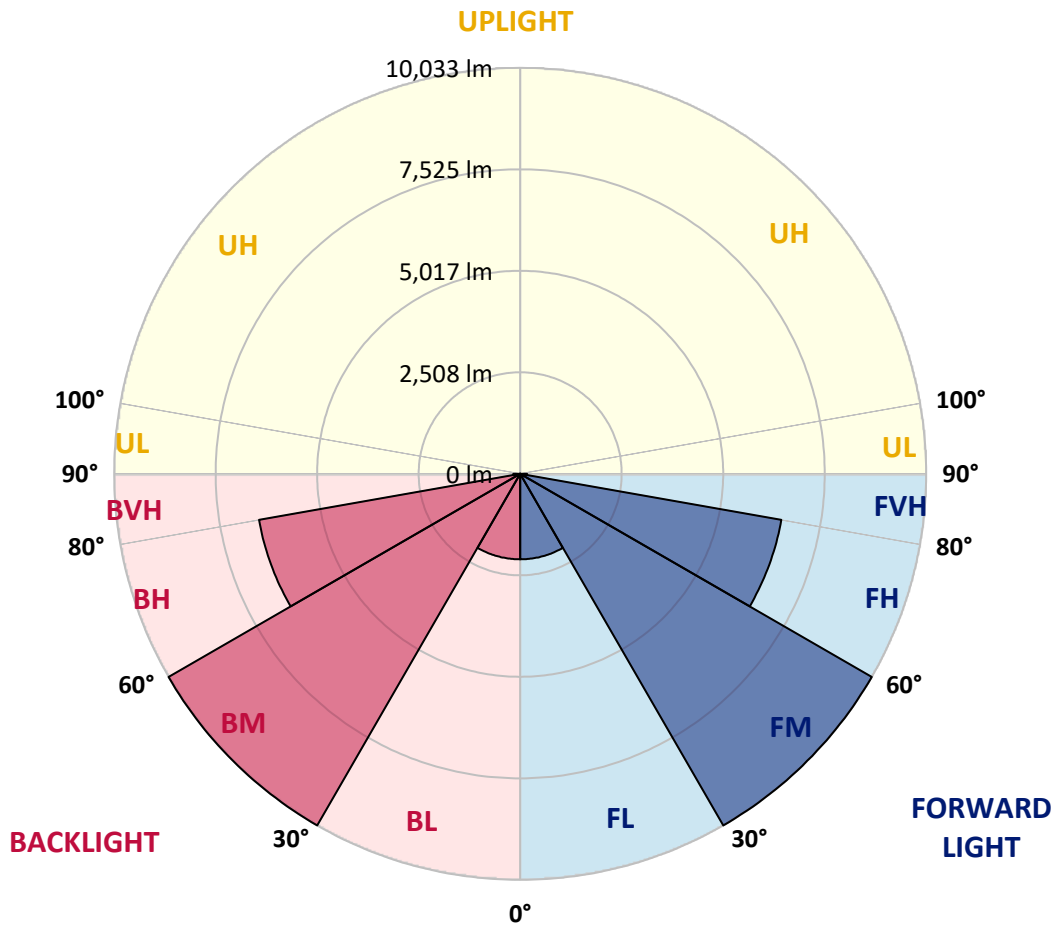
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2112.8	5.6			
FM (30°-60°)	10033.3	26.6			
FH (60°-80°)	6551.9	17.4			G3/7500
FVH (80°-90°)	170.1	0.5			G2/225
BL (0°-30°)	2112.8	5.6	B3/2500		
BM (30°-60°)	10033.3	26.6	B5		
BH (60°-80°)	6551.9	17.4	B5		G5
BVH (80°-90°)	170.1	0.5			G2/225
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°	4042.2	4042.2	4042.2	4042.2	4042.2	4042.2	4042.2	4042.2	4042.2	4042.2
2.5°	4042.2	4038.3	4042.2	4046.1	4044.1	4044.1	4053.8	4059.5	4071.1	4069.2
5°	4015.2	4013.3	4028.7	4046.1	4059.5	4082.7	4111.6	4132.8	4159.7	4165.5
7.5°	4001.7	3996.0	4022.9	4053.8	4096.1	4153.9	4209.8	4267.6	4313.9	4329.3
10°	4011.4	4013.3	4049.9	4107.7	4175.1	4256.1	4335.1	4433.3	4498.8	4514.2
12.5°	4055.7	4051.8	4113.5	4206.0	4298.5	4400.6	4493.0	4600.9	4672.2	4708.8
15°	4136.6	4128.9	4215.6	4352.4	4487.3	4606.7	4681.9	4784.0	4866.8	4913.1
17.5°	4232.9	4236.8	4350.5	4527.7	4705.0	4839.9	4911.1	4963.2	5026.7	5067.2
20°	4402.5	4410.2	4537.4	4747.4	4949.7	5103.8	5161.6	5142.3	5159.7	5190.5
22.5°	4629.8	4633.7	4776.3	5003.6	5215.6	5385.1	5423.6	5344.6	5296.5	5317.7
25°	4893.8	4918.8	5061.4	5294.6	5512.3	5674.1	5691.5	5572.0	5452.5	5458.3
27.5°	5215.6	5238.7	5383.2	5614.4	5836.0	5976.6	5974.7	5814.8	5639.4	5595.1
30°	5564.3	5589.3	5737.7	5976.6	6182.8	6306.1	6279.1	6088.3	5837.9	5755.0
32.5°	5978.5	5993.9	6144.2	6383.1	6573.9	6672.1	6616.3	6381.2	6069.1	5974.7
35°	6479.5	6502.6	6614.3	6839.8	7007.4	7088.3	6993.9	6716.5	6365.8	6259.8
37.5°	7051.7	7036.3	7163.4	7363.8	7502.5	7552.6	7423.5	7094.1	6704.9	6579.7
40°	7649.0	7641.3	7780.0	7972.7	8047.8	8078.6	7887.9	7527.6	7096.0	6961.1
42.5°	8190.4	8184.6	8371.5	8585.3	8675.9	8641.2	8400.4	7988.1	7548.8	7394.6
45°	8623.9	8616.2	8845.4	9146.0	9323.3	9265.5	8941.8	8496.7	8007.3	7847.4
47.5°	8957.2	8961.0	9207.7	9579.5	9889.7	9910.9	9494.7	9015.0	8512.1	8331.0
50°	9198.0	9209.6	9473.5	9885.9	10309.7	10496.6	10059.3	9546.8	9034.3	8830.0
52.5°	9257.8	9279.0	9596.9	10080.5	10579.5	10935.9	10633.4	10057.3	9529.4	9334.8
55°	8939.9	8982.2	9384.9	10065.0	10745.2	11224.9	11138.2	10575.6	10028.4	9828.1
57.5°	8209.6	8269.4	8739.5	9627.7	10708.6	11423.4	11529.3	11072.7	10527.4	10334.8
60°	7186.6	7257.9	7708.7	8677.8	10192.2	11496.6	11804.8	11556.3	10986.0	10799.1
62.5°	5643.3	5735.8	6275.2	7412.0	9101.7	11155.6	12039.9	11993.7	11398.3	11165.2
65°	3620.3	3718.5	4286.9	5629.8	7647.0	10111.3	12113.1	12419.5	11833.7	11508.1
67.5°	2182.9	2227.3	2508.6	3412.2	5589.3	8537.2	11492.7	12891.5	12342.4	11937.8
70°	1396.9	1421.9	1589.5	2003.8	3159.8	6229.0	9955.2	12980.1	12958.9	12379.0
72.5°	947.9	955.6	1000.0	1186.8	1788.0	3539.3	7342.6	11750.9	13344.3	12947.4
75°	693.6	736.0	807.3	840.0	1015.4	1768.7	4207.9	8255.9	11246.1	11419.5
77.5°	516.4	518.3	616.5	655.1	724.4	942.2	1780.3	4608.6	6982.3	7331.1
80°	437.4	414.2	412.3	527.9	545.3	587.6	795.7	1591.4	2500.8	1516.3
82.5°	364.1	339.1	306.3	412.3	371.9	360.3	344.9	647.4	795.7	391.1
85°	254.3	242.8	231.2	269.7	211.9	181.1	165.7	302.5	335.2	165.7
87.5°	109.8	113.7	115.6	119.5	88.6	63.6	63.6	84.8	84.8	65.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4042.2
4067.2
4165.5
4333.1
4529.7
4724.3
4930.4
5086.5
5213.6
5333.1
5468.0
5608.6
5764.7
5997.8
6275.2
6602.8
7005.5
7433.2
7884.0
8385.0
8891.7
9384.9
9883.9
10379.1
10839.6
11192.2
11548.6
11968.6
12375.1
12885.7
10999.5
6539.2
1146.4
333.3
146.4
48.2
0.0

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