

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: P952852

Luminaire Tested: **GALN-SB6C-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952852  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

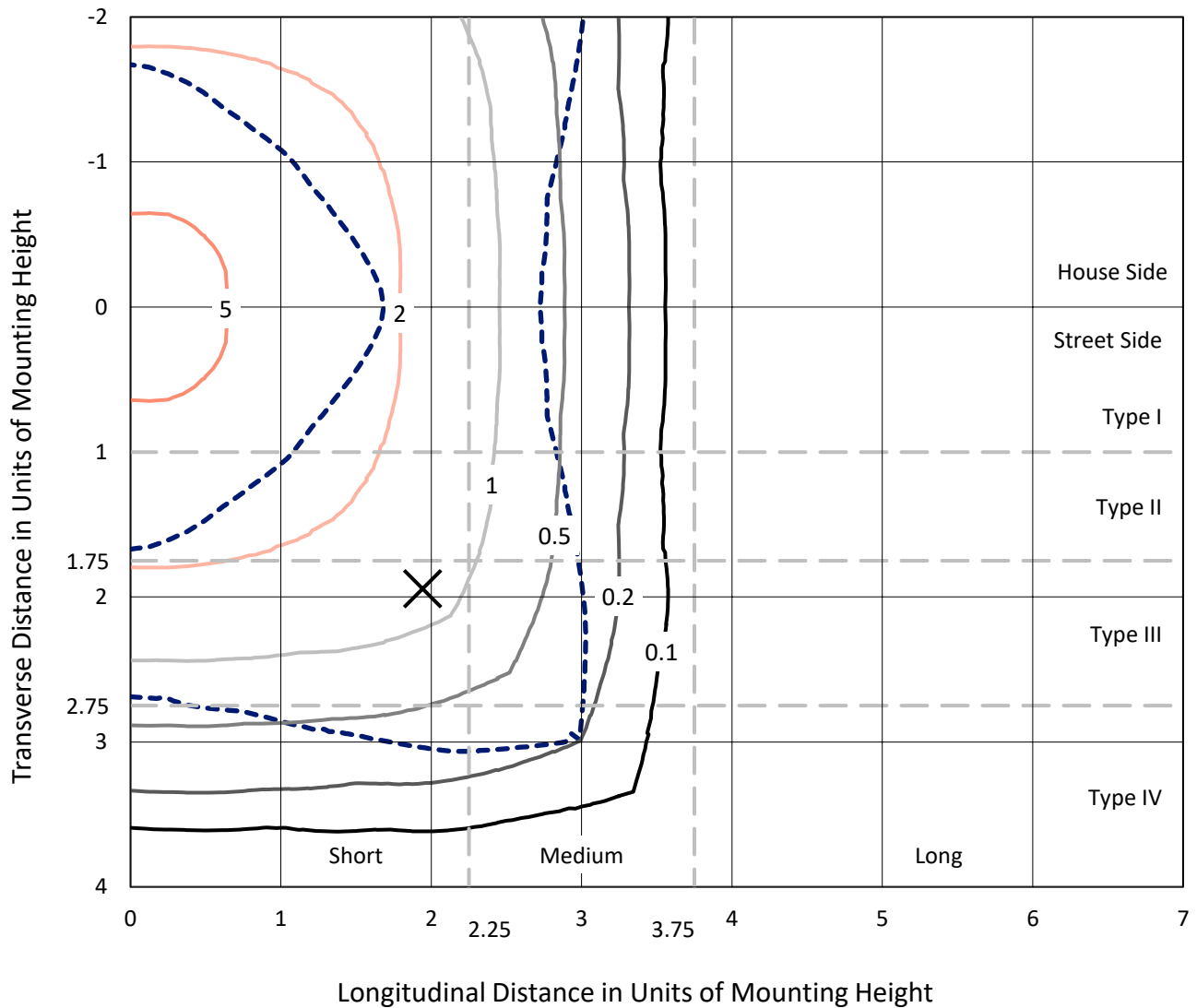
Lumens per Lamp: N/A  
Luminaire Lumens: 42736 lumens  
Efficiency: N/A  
Efficacy: 142.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

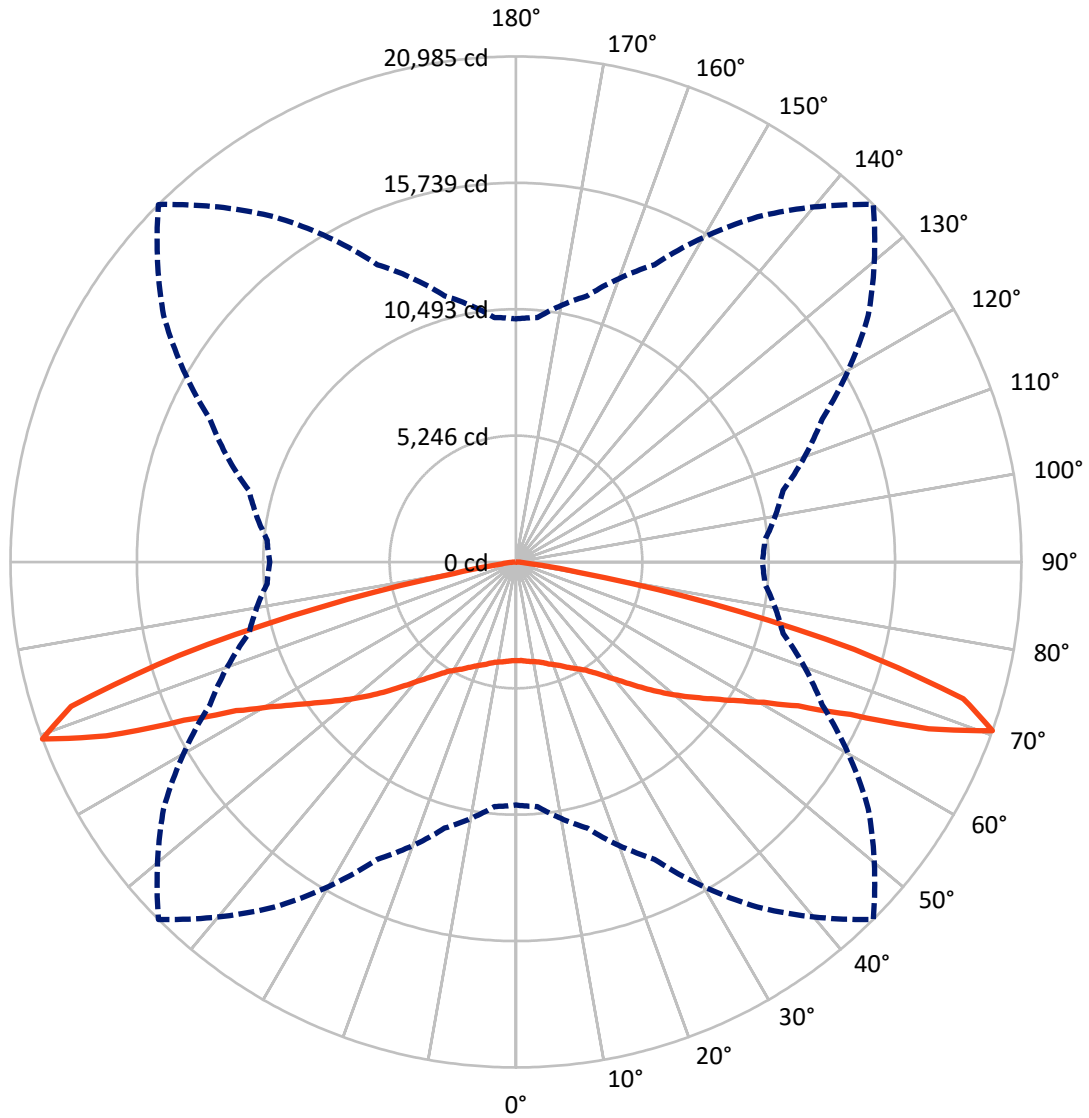
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	21368.0	0.0	21368.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21368.0	0.0	21368.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42736.0	0.0	42736.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.7	0.9
10°-20°	1233.2	2.9
20°-30°	2203.9	5.2
30°-40°	3572.5	8.4
40°-50°	5819.0	13.6
50°-60°	8872.1	20.8
60°-70°	13198.8	30.9
70°-80°	7193.8	16.8
80°-90°	245.0	0.6
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°	42736.0	100.0
0°-180°	42736.0	100.0

**Coefficient of Utilization**



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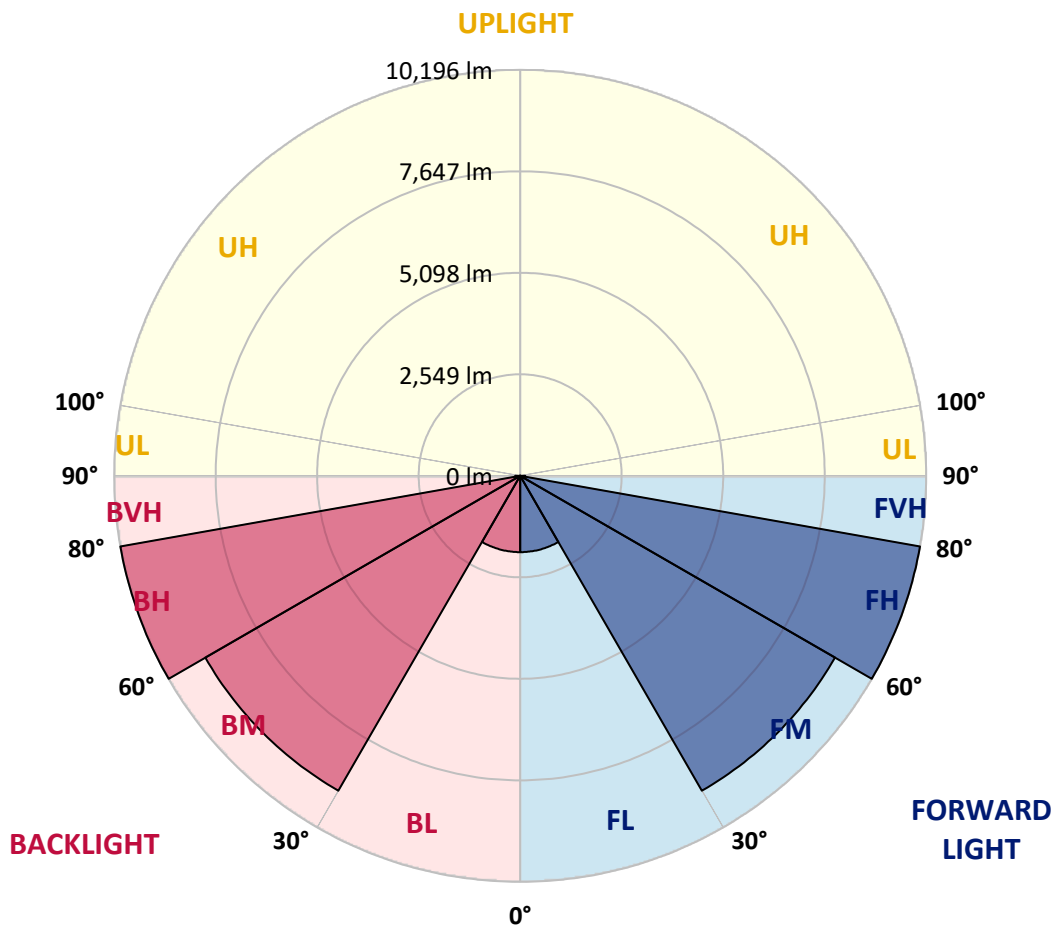
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1917.4	4.5			
FM (30°-60°)	9131.8	21.4			
FH (60°-80°)	10196.3	23.9			G4/12000
FVH (80°-90°)	122.5	0.3			G2/225
BL (0°-30°)	1917.4	4.5	B3/2500		
BM (30°-60°)	9131.8	21.4	B5		
BH (60°-80°)	10196.3	23.9	B5		G4/12000
BVH (80°-90°)	122.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7
2.5°	4113.0	4117.3	4108.7	4104.4	4100.1	4093.7	4095.8	4106.5	4115.1	4113.0
5°	4147.3	4151.6	4145.2	4143.0	4134.4	4132.3	4132.3	4143.0	4149.5	4145.2
7.5°	4185.9	4192.4	4181.6	4179.5	4175.2	4170.9	4168.8	4179.5	4185.9	4185.9
10°	4222.4	4228.8	4220.3	4213.8	4209.5	4209.5	4205.2	4213.8	4224.5	4222.4
12.5°	4261.0	4265.3	4256.7	4252.4	4252.4	4258.9	4252.4	4256.7	4265.3	4261.0
15°	4308.2	4310.4	4308.2	4314.7	4325.4	4346.8	4327.5	4323.2	4327.5	4316.8
17.5°	4372.6	4376.9	4385.5	4400.5	4415.5	4454.1	4419.8	4409.1	4409.1	4387.6
20°	4452.0	4458.4	4471.3	4497.0	4516.3	4552.8	4518.5	4503.5	4497.0	4469.1
22.5°	4535.6	4546.4	4565.7	4600.0	4634.3	4668.7	4634.3	4608.6	4589.3	4552.8
25°	4632.2	4645.1	4675.1	4730.9	4778.1	4827.4	4786.7	4735.2	4696.6	4645.1
27.5°	4769.5	4784.5	4821.0	4889.7	4949.7	4992.6	4954.0	4887.5	4833.9	4771.7
30°	4962.6	4977.6	5020.5	5093.5	5134.2	5162.1	5136.4	5084.9	5020.5	4949.7
32.5°	5211.5	5230.8	5278.0	5346.7	5355.2	5359.5	5350.9	5325.2	5278.0	5192.2
35°	5526.9	5548.3	5602.0	5657.8	5649.2	5657.8	5644.9	5636.3	5602.0	5503.3
37.5°	5913.1	5938.8	5994.6	6037.5	6016.1	6005.3	6007.5	6009.6	5990.3	5880.9
40°	6361.5	6395.8	6436.6	6481.6	6445.2	6413.0	6434.4	6451.6	6434.4	6322.9
42.5°	6822.8	6872.1	6915.0	6979.4	6949.4	6908.6	6938.6	6957.9	6921.5	6801.3
45°	7335.6	7382.8	7438.5	7535.1	7513.6	7470.7	7513.6	7517.9	7455.7	7314.1
47.5°	7865.5	7914.9	7998.5	8127.3	8118.7	8071.5	8127.3	8097.2	8017.8	7848.3
50°	8367.6	8436.2	8564.9	8745.2	8762.3	8704.4	8779.5	8721.6	8588.5	8376.1
52.5°	8839.6	8912.5	9116.3	9360.9	9423.2	9348.1	9448.9	9348.1	9148.5	8876.0
55°	9335.2	9416.7	9659.2	9978.8	10103.3	10047.5	10141.9	9989.6	9706.4	9376.0
57.5°	9918.8	9968.1	10257.8	10637.5	10847.8	10860.7	10903.6	10646.1	10302.8	9927.4
60°	10551.7	10620.4	10935.8	11390.6	11723.2	11830.4	11785.4	11403.5	11004.4	10573.2
62.5°	11362.7	11437.8	11815.4	12360.4	12886.0	13152.1	12976.2	12422.6	11929.1	11412.1
65°	12034.3	12117.9	12800.2	13772.1	14729.0	15263.3	14821.3	13802.2	12913.9	12184.5
67.5°	11547.2	11650.2	12720.8	14505.9	16885.3	18479.4	16966.8	14724.8	12984.7	11995.6
70°	10092.6	10189.1	11437.8	13619.8	17492.5	20985.4	17857.2	14021.0	11478.6	10371.5
72.5°	6700.5	7011.6	8275.3	10892.8	15619.4	19419.2	15773.9	10671.9	7676.7	6685.5
75°	2222.8	2471.6	3334.1	5647.0	10461.6	14523.1	9959.5	4996.9	2641.1	1900.9
77.5°	560.0	645.8	890.4	1615.6	4173.1	8268.9	3756.8	1319.5	718.8	502.1
80°	272.5	300.4	429.1	538.5	1044.9	2628.3	980.5	506.3	339.0	261.8
82.5°	150.2	152.3	242.4	304.7	388.3	680.1	403.4	296.1	195.2	158.8
85°	92.3	90.1	128.7	163.1	163.1	242.4	193.1	163.1	111.6	98.7
87.5°	36.5	36.5	47.2	51.5	45.1	62.2	49.3	53.6	42.9	40.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4093.7
4115.1
4147.3
4185.9
4222.4
4258.9
4316.8
4387.6
4469.1
4550.7
4642.9
4769.5
4949.7
5194.3
5503.3
5880.9
6322.9
6809.9
7329.1
7837.6
8371.8
8850.3
9330.9
9875.9
10504.5
11321.9
12064.3
11847.6
10223.4
6468.8
1798.0
448.4
240.3
158.8
103.0
42.9
0.0

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