

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: P953210

Luminaire Tested: **GALN-SB6D-830-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953210  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-830-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

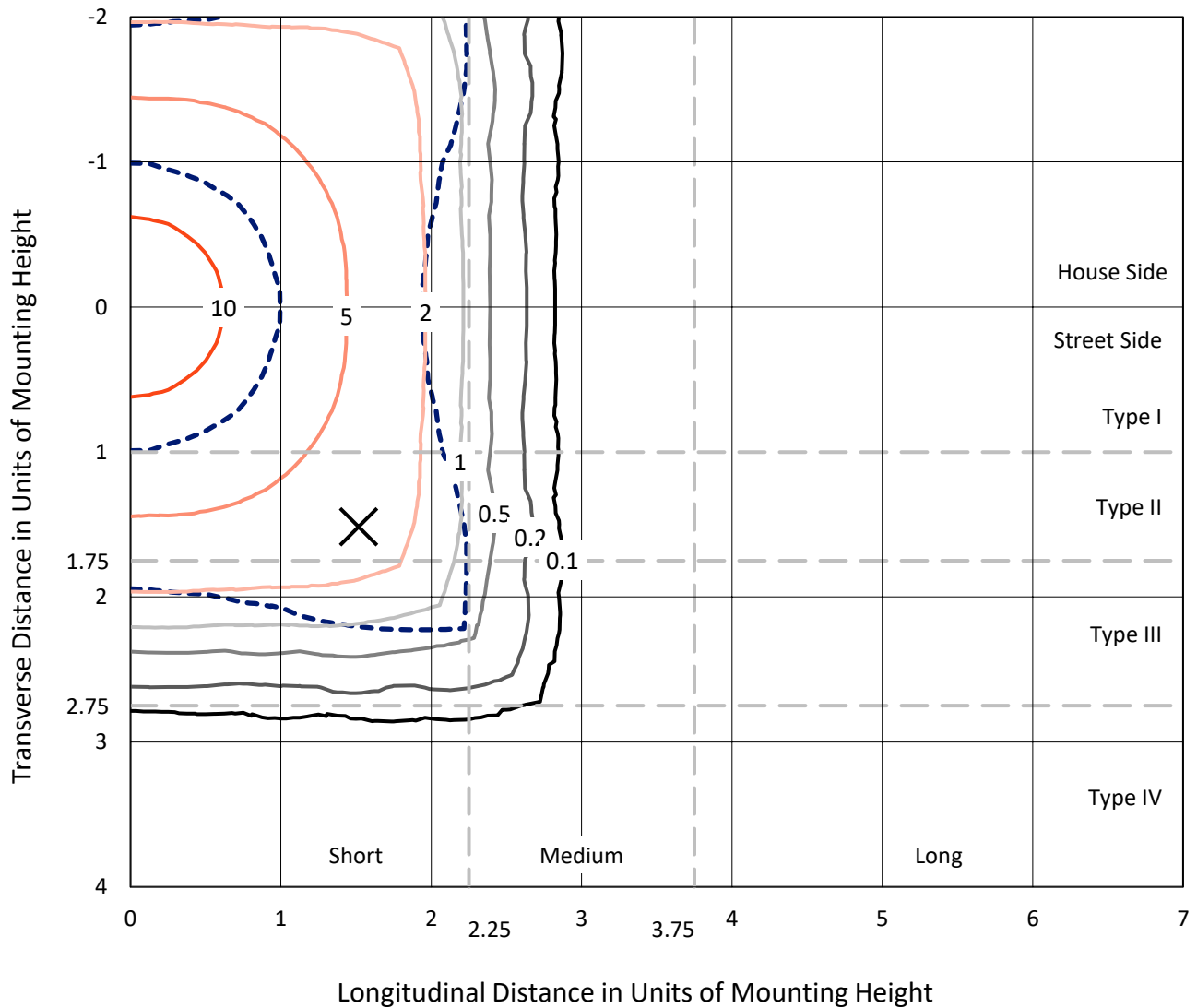
Lumens per Lamp: N/A  
Luminaire Lumens: 58103 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

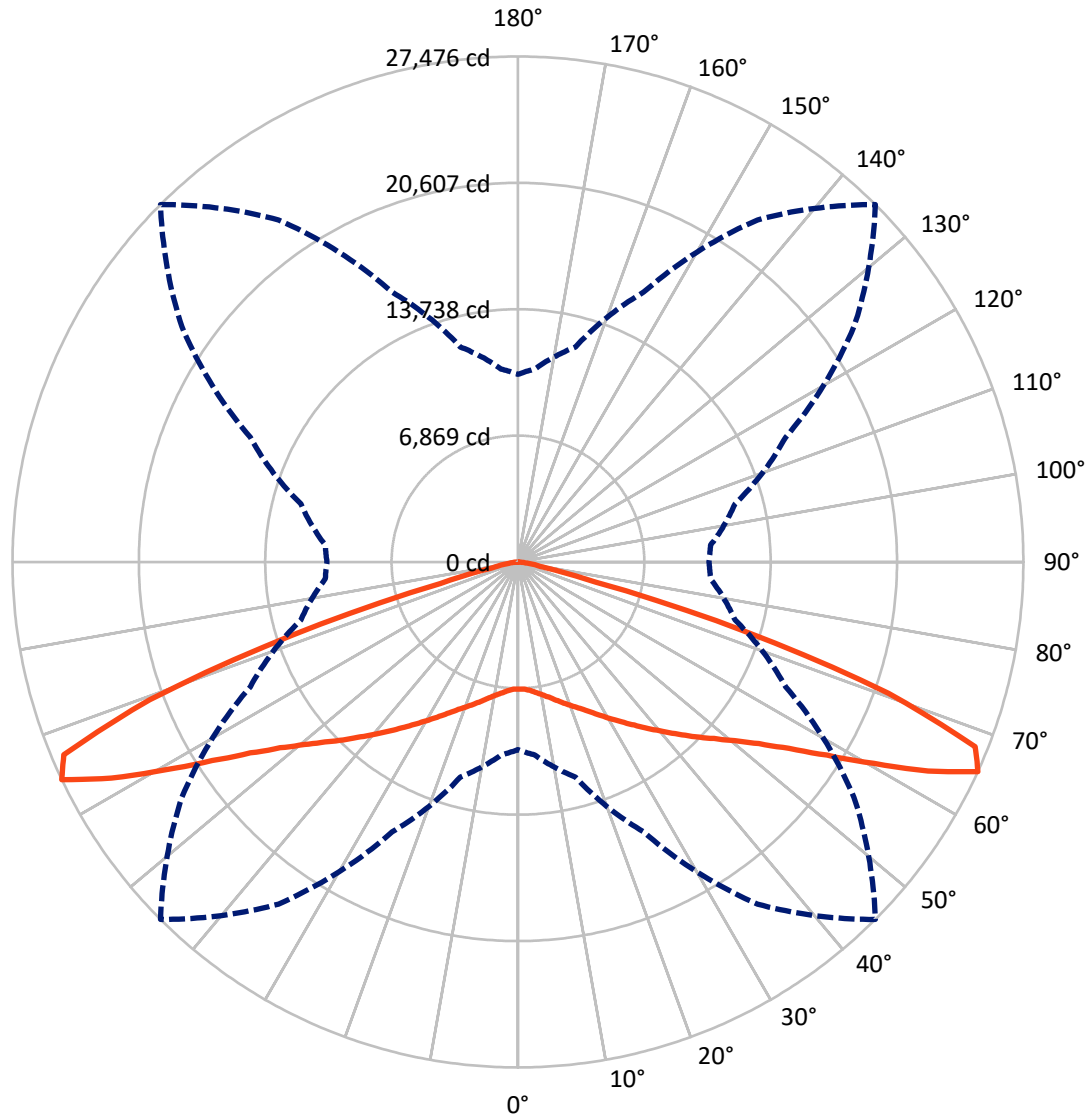
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29051.5	0.0	29051.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29051.5	0.0	29051.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	58103.0	0.0	58103.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	682.4	1.2
10°-20°	2226.8	3.8
20°-30°	4204.5	7.2
30°-40°	6884.7	11.8
40°-50°	10674.8	18.4
50°-60°	15768.9	27.1
60°-70°	15010.5	25.8
70°-80°	2422.1	4.2
80°-90°	228.3	0.4
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°	58103.0	100.0
0°-180°	58103.0	100.0

**Coefficient of Utilization**



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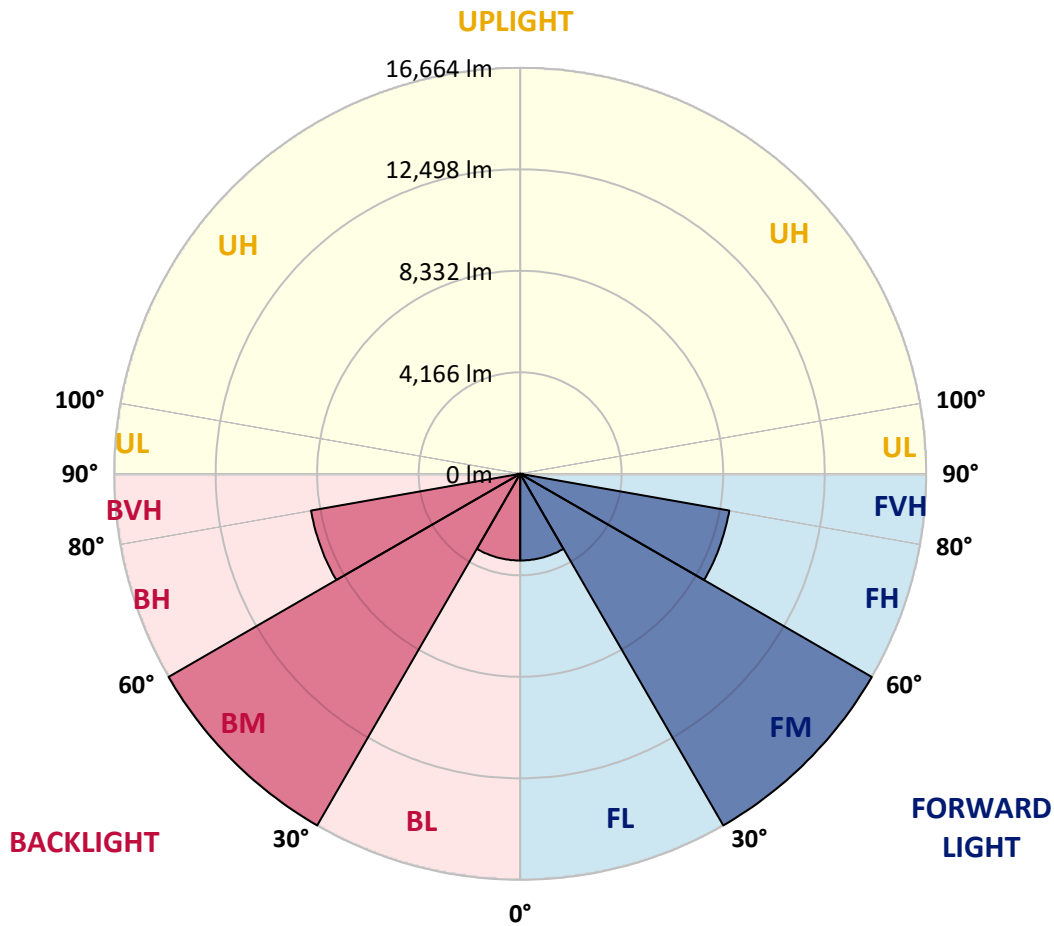
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3556.9	6.1			
FM (30°-60°)	16664.2	28.7			
FH (60°-80°)	8716.3	15.0			G4/12000
FVH (80°-90°)	114.2	0.2			G2/225
BL (0°-30°)	3556.9	6.1	B4/5000		
BM (30°-60°)	16664.2	28.7	B5		
BH (60°-80°)	8716.3	15.0	B5		G4/12000
BVH (80°-90°)	114.2	0.2			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°	6914.8	6914.8	6914.8	6914.8	6914.8	6914.8	6914.8	6914.8	6914.8	6914.8
2.5°	6961.5	6938.2	6955.7	6941.1	6929.4	6917.8	6923.6	6944.0	6952.7	6955.7
5°	7054.8	7034.4	7043.1	7043.1	7022.7	7016.9	7019.8	7034.4	7051.9	7051.9
7.5°	7206.4	7186.0	7206.4	7194.7	7177.2	7171.4	7168.5	7180.1	7206.4	7206.4
10°	7390.0	7366.7	7378.4	7372.5	7352.1	7343.4	7340.5	7357.9	7381.3	7378.4
12.5°	7591.2	7564.9	7579.5	7562.0	7556.2	7547.4	7547.4	7544.5	7559.1	7547.4
15°	7815.6	7798.1	7804.0	7792.3	7801.1	7795.2	7771.9	7760.2	7766.1	7748.6
17.5°	8080.9	8040.1	8060.5	8054.7	8054.7	8066.3	8028.4	8013.9	8025.5	8008.0
20°	8387.0	8346.2	8354.9	8343.3	8328.7	8340.4	8293.7	8305.4	8314.1	8302.5
22.5°	8722.3	8669.8	8666.9	8672.7	8640.6	8643.5	8611.5	8640.6	8658.1	8626.1
25°	9066.3	9010.9	9048.8	9034.2	8993.4	9002.1	8978.8	9007.9	9022.5	8981.7
27.5°	9430.6	9392.8	9427.7	9436.5	9386.9	9421.9	9386.9	9413.2	9427.7	9366.5
30°	9856.3	9818.4	9850.4	9873.8	9815.5	9870.8	9841.7	9859.2	9862.1	9789.2
32.5°	10319.8	10261.5	10343.1	10354.8	10290.6	10357.7	10319.8	10343.1	10357.7	10258.6
35°	10885.3	10812.5	10905.7	10891.2	10835.8	10891.2	10856.2	10891.2	10926.1	10806.6
37.5°	11494.6	11418.8	11517.9	11491.7	11439.2	11477.1	11456.7	11480.0	11535.4	11407.2
40°	12165.1	12071.8	12205.9	12159.3	12109.7	12103.9	12115.5	12130.1	12203.0	12060.2
42.5°	12882.2	12783.1	12984.3	12911.4	12841.4	12794.8	12832.7	12861.8	12931.8	12771.5
45°	13701.4	13587.7	13850.1	13762.6	13651.8	13555.6	13616.9	13660.6	13762.6	13570.2
47.5°	14605.1	14476.8	14756.7	14730.5	14549.7	14339.8	14479.8	14605.1	14680.9	14447.7
50°	15488.4	15389.3	15756.6	15788.7	15567.1	15272.7	15468.0	15657.5	15677.9	15371.8
52.5°	16316.3	16217.2	16750.7	16951.8	16753.6	16403.8	16610.8	16803.2	16648.7	16252.2
55°	16978.1	16896.5	17575.7	18094.6	18161.7	17873.0	17995.5	17989.7	17482.4	16873.1
57.5°	17138.4	17126.8	17983.8	19082.9	19782.5	19817.5	19575.5	18957.5	17864.3	17045.1
60°	16409.6	16482.5	17660.2	19598.8	21464.6	22240.0	21193.5	19429.8	17429.9	16293.0
62.5°	14229.1	14421.5	15841.2	18969.2	22823.0	25026.9	22490.7	18712.6	15645.8	14162.0
65°	10197.3	10532.6	12101.0	16188.1	22700.6	27475.7	22304.1	16056.9	12217.6	10506.4
67.5°	4626.4	4967.5	6299.7	11083.6	19732.9	26811.0	19686.3	11200.2	6614.6	4985.0
70°	1676.2	1734.5	2163.1	4436.9	12611.1	21362.5	13150.4	4469.0	2300.1	1848.2
72.5°	1014.5	1023.2	1113.6	1588.8	4381.5	12969.7	4568.1	1641.3	1136.9	1008.7
75°	644.3	638.4	792.9	970.8	1553.8	4375.7	1629.6	970.8	790.0	720.1
77.5°	463.5	478.1	568.5	725.9	979.5	1483.8	962.0	693.8	568.5	466.4
80°	346.9	355.7	414.0	565.5	688.0	924.1	612.2	513.1	428.5	291.5
82.5°	250.7	250.7	271.1	411.0	419.8	498.5	332.3	361.5	282.8	207.0
85°	148.7	145.8	169.1	244.9	218.6	183.7	151.6	221.6	177.8	128.3
87.5°	52.5	55.4	52.5	70.0	58.3	49.6	46.6	61.2	49.6	43.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6914.8
6955.7
7051.9
7197.6
7372.5
7553.3
7751.5
8022.6
8328.7
8658.1
9028.4
9413.2
9832.9
10325.6
10879.5
11485.9
12106.8
12856.0
13669.3
14526.4
15409.7
16263.9
16893.5
16992.7
16158.9
14074.6
10381.0
4912.1
1824.9
1026.1
725.9
475.2
300.3
207.0
125.4
40.8
0.0

OF REPORT)