

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: P942700

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
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-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

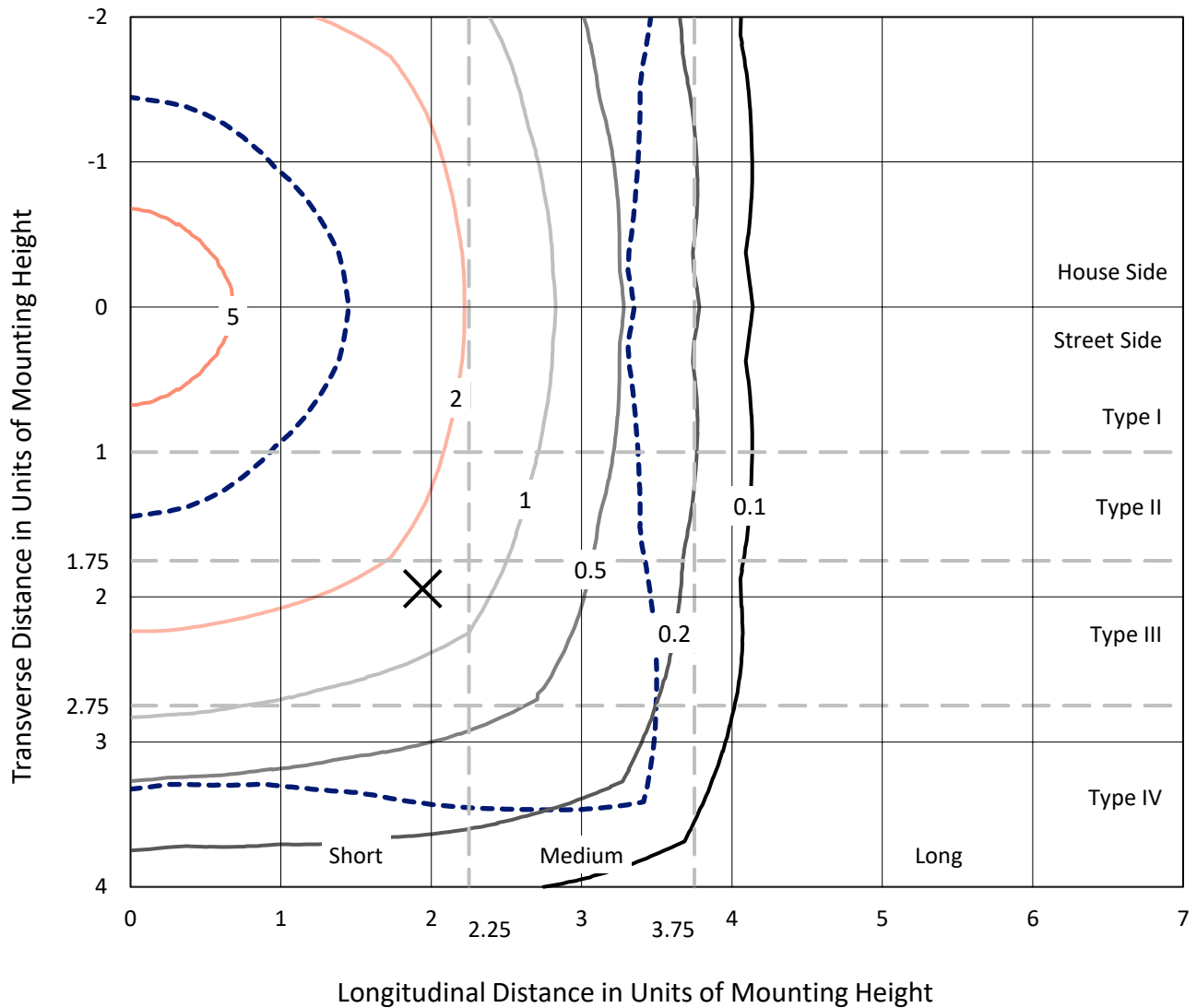
Lumens per Lamp: N/A  
Luminaire Lumens: 56086 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

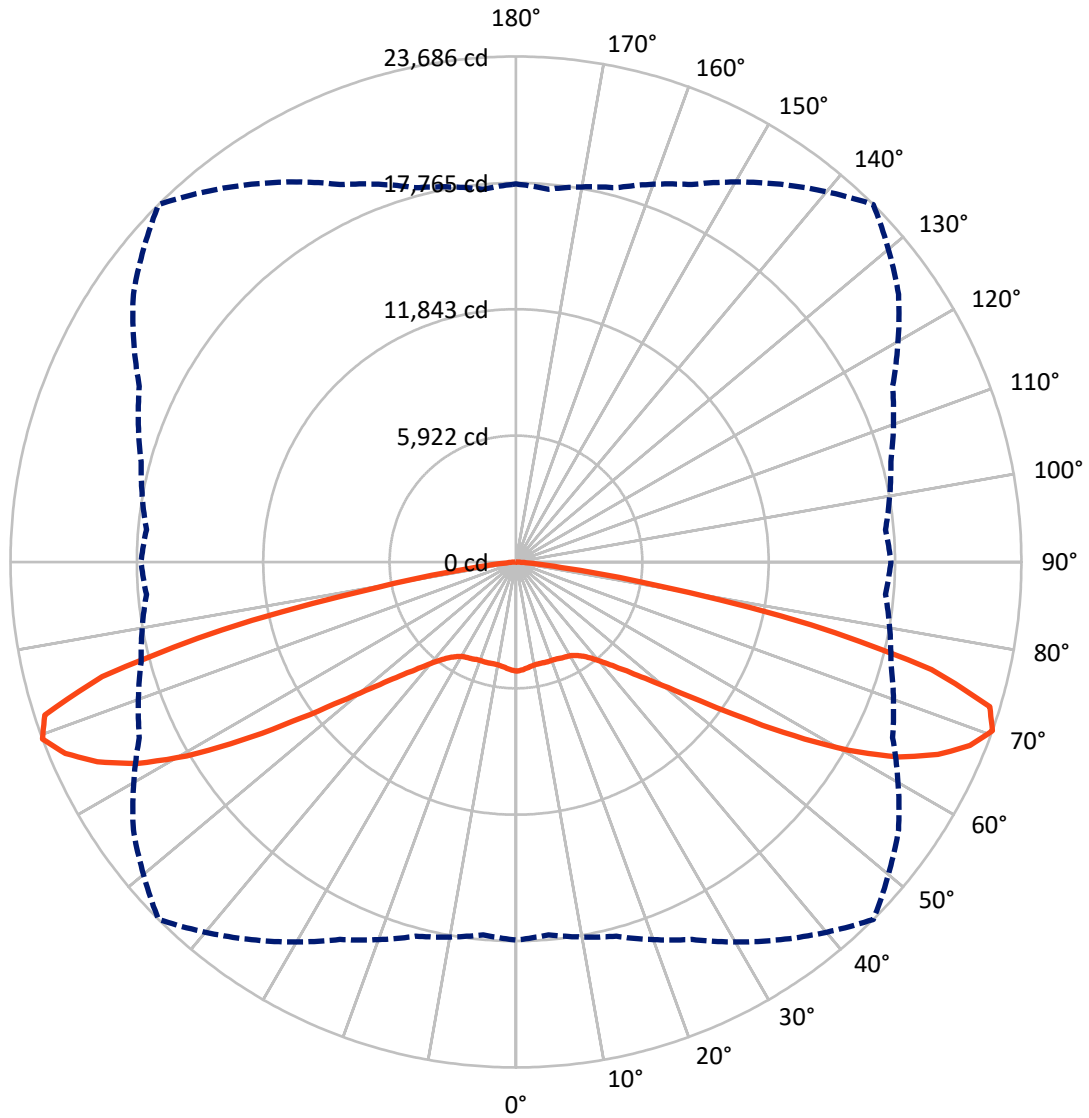
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	28043.0	0.0	28043.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28043.0	0.0	28043.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56086.0	0.0	56086.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.9	0.8
10°-20°	1397.4	2.5
20°-30°	2325.5	4.1
30°-40°	3516.9	6.3
40°-50°	5844.3	10.4
50°-60°	11027.9	19.7
60°-70°	18621.0	33.2
70°-80°	12236.0	21.8
80°-90°	641.0	1.1
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°	56086.0	100.0
0°-180°	56086.0	100.0

**Coefficient of Utilization**



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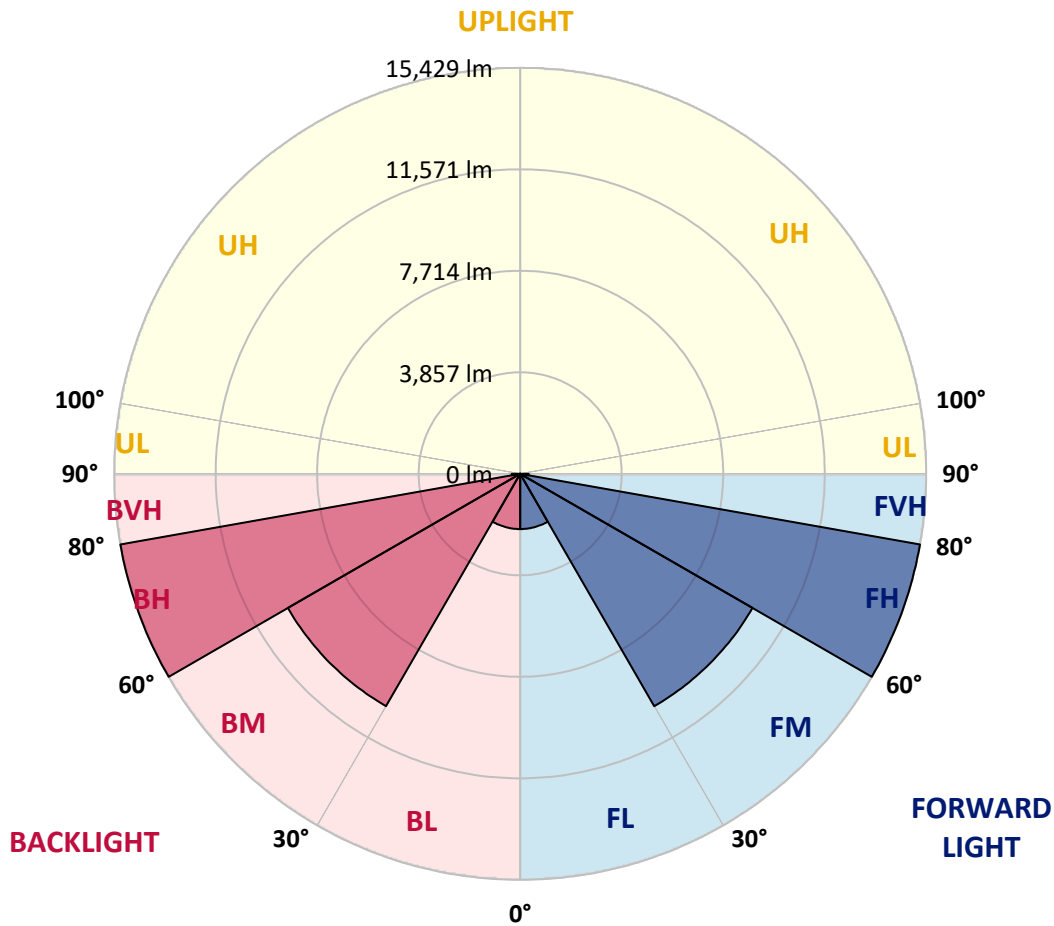
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2099.4	3.7			
FM (30°-60°)	10194.5	18.2			
FH (60°-80°)	15428.5	27.5			G5
FVH (80°-90°)	320.5	0.6			G3/500
BL (0°-30°)	2099.4	3.7	B3/2500		
BM (30°-60°)	10194.5	18.2	B5		
BH (60°-80°)	15428.5	27.5	B5		G5
BVH (80°-90°)	320.5	0.6			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 V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2
2.5°	5084.1	5098.7	5092.9	5081.2	5081.2	5072.4	5081.2	5087.0	5095.8	5101.6
5°	5017.1	5028.7	5025.8	5017.1	5020.0	5011.2	5017.1	5025.8	5031.6	5034.5
7.5°	4958.8	4970.4	4964.6	4950.0	4950.0	4941.3	4944.2	4952.9	4961.7	4964.6
10°	4944.2	4955.8	4938.3	4915.0	4906.3	4894.6	4897.5	4906.3	4923.8	4932.5
12.5°	4950.0	4958.8	4941.3	4906.3	4897.5	4885.9	4885.9	4894.6	4917.9	4929.6
15°	4967.5	4976.2	4950.0	4912.1	4903.4	4894.6	4891.7	4903.4	4929.6	4950.0
17.5°	4999.6	5008.3	4967.5	4915.0	4903.4	4906.3	4903.4	4912.1	4952.9	4990.8
20°	5028.7	5034.5	4979.2	4915.0	4903.4	4906.3	4903.4	4920.9	4973.3	5025.8
22.5°	5037.5	5043.3	4990.8	4935.4	4926.7	4929.6	4926.7	4944.2	4993.7	5046.2
25°	5040.4	5049.1	5008.3	4964.6	4979.2	4985.0	4979.2	4982.1	5020.0	5066.6
27.5°	5084.1	5095.8	5057.9	5020.0	5028.7	5025.8	5034.5	5043.3	5072.4	5119.1
30°	5174.5	5183.2	5151.2	5113.3	5107.4	5087.0	5113.3	5142.4	5174.5	5215.3
32.5°	5323.2	5340.6	5299.8	5259.0	5232.8	5221.1	5241.5	5291.1	5334.8	5378.5
35°	5570.9	5582.6	5544.7	5468.9	5422.3	5422.3	5439.8	5503.9	5573.9	5629.2
37.5°	5920.8	5935.3	5868.3	5777.9	5708.0	5708.0	5731.3	5798.3	5903.3	5982.0
40°	6346.4	6366.8	6282.3	6189.0	6121.9	6110.3	6139.4	6215.2	6314.3	6413.4
42.5°	6859.5	6882.8	6772.0	6690.4	6637.9	6637.9	6652.5	6722.4	6812.8	6935.3
45°	7515.4	7556.2	7404.6	7323.0	7273.4	7285.1	7293.8	7355.0	7436.7	7576.6
47.5°	8296.7	8337.5	8177.1	8092.6	8083.8	8139.2	8104.3	8148.0	8191.7	8352.0
50°	9182.9	9252.8	9142.1	9136.2	9153.7	9255.8	9174.1	9197.4	9147.9	9249.9
52.5°	10267.3	10369.4	10349.0	10383.9	10579.3	10789.1	10602.6	10520.9	10334.4	10366.4
55°	11582.1	11736.6	11765.7	11975.6	12418.7	12847.3	12450.8	12121.4	11724.9	11652.0
57.5°	13077.6	13200.0	13339.9	13768.5	14596.4	15357.3	14596.4	13867.6	13243.7	13095.1
60°	14686.8	14838.4	14972.5	15605.1	16835.3	17905.1	16811.9	15654.6	14829.6	14628.5
62.5°	16415.5	16610.8	16704.1	17406.6	18840.9	20117.8	18861.3	17459.1	16543.7	16328.0
65°	18074.2	18234.6	18339.5	19088.7	20458.9	21738.6	20552.1	19170.3	18228.7	17946.0
67.5°	18846.8	18934.2	19190.7	20039.1	21485.0	22945.5	21729.9	20129.4	19077.1	18581.5
70°	17715.7	17537.8	18155.9	19514.3	21607.4	23686.0	21887.3	19473.5	18185.0	17380.4
72.5°	13689.8	13383.7	14456.5	16779.9	20208.2	23213.7	20348.1	16911.1	15124.0	13491.5
75°	7448.3	7101.4	8582.3	11520.9	16115.2	20120.7	16485.4	11850.3	9556.0	7392.9
77.5°	2101.9	1970.7	3165.9	5573.9	9693.0	14127.0	10066.2	5696.3	3754.8	2227.2
80°	644.3	623.9	845.4	1679.2	4116.3	6766.2	3955.9	1699.6	1075.7	679.2
82.5°	381.9	349.8	419.8	612.2	1049.5	2125.2	1020.3	638.4	513.1	344.0
85°	218.6	204.1	247.8	297.4	352.7	451.9	294.4	303.2	274.0	183.7
87.5°	90.4	81.6	96.2	93.3	81.6	104.9	78.7	93.3	110.8	72.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5116.2
5098.7
5034.5
4964.6
4932.5
4932.5
4952.9
4990.8
5028.7
5046.2
5063.7
5107.4
5206.5
5361.0
5608.8
5952.8
6381.4
6926.5
7570.8
8305.4
9188.7
10258.6
11538.4
12990.1
14453.6
16153.1
17806.0
18587.3
17572.8
13896.7
7873.9
2475.0
717.1
373.1
192.4
67.0
0.0

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