

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: P953213

Luminaire Tested: **GALN-SB6D-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953213  
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-SB6D-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

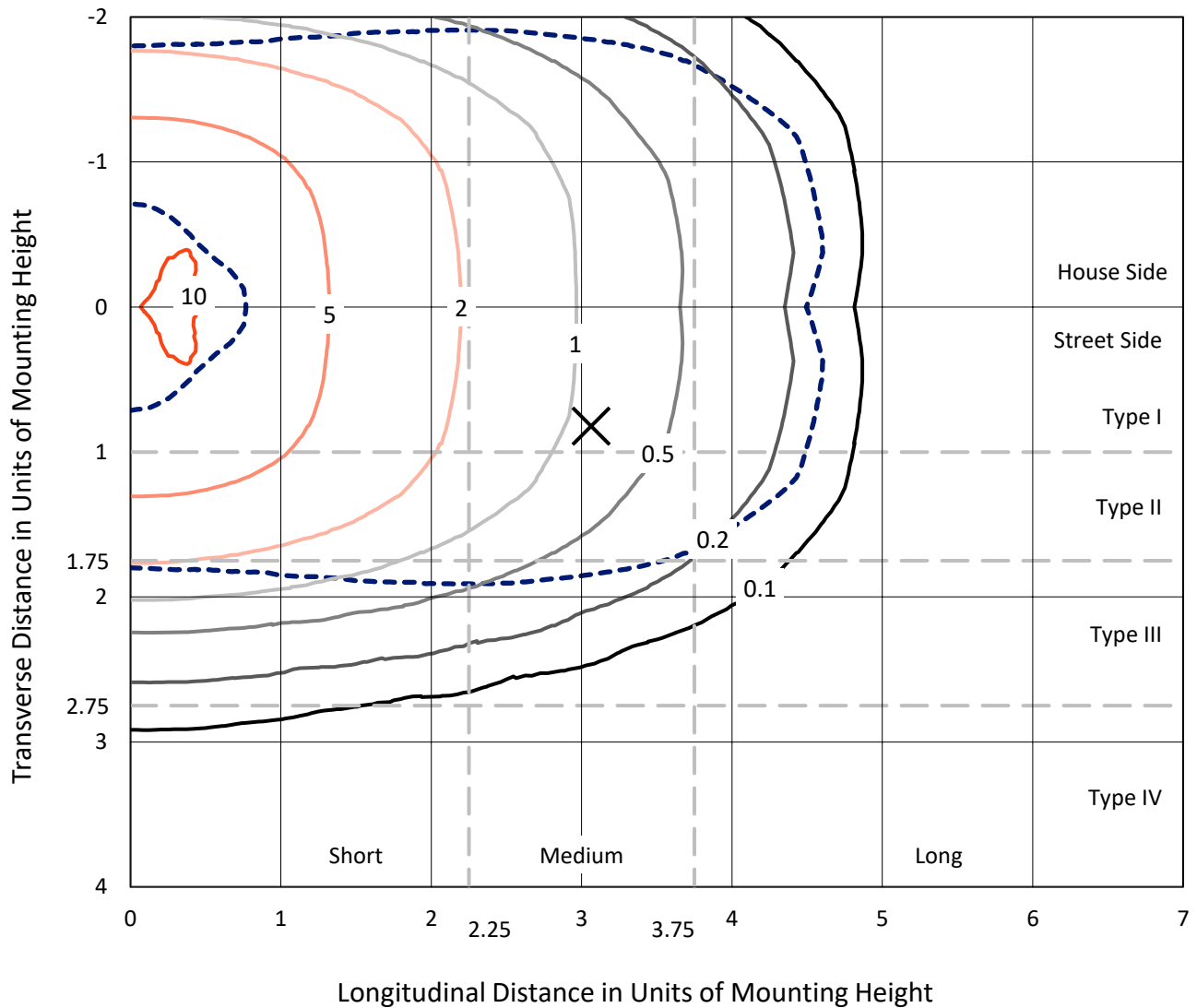
Lumens per Lamp: N/A  
Luminaire Lumens: 57097 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): 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

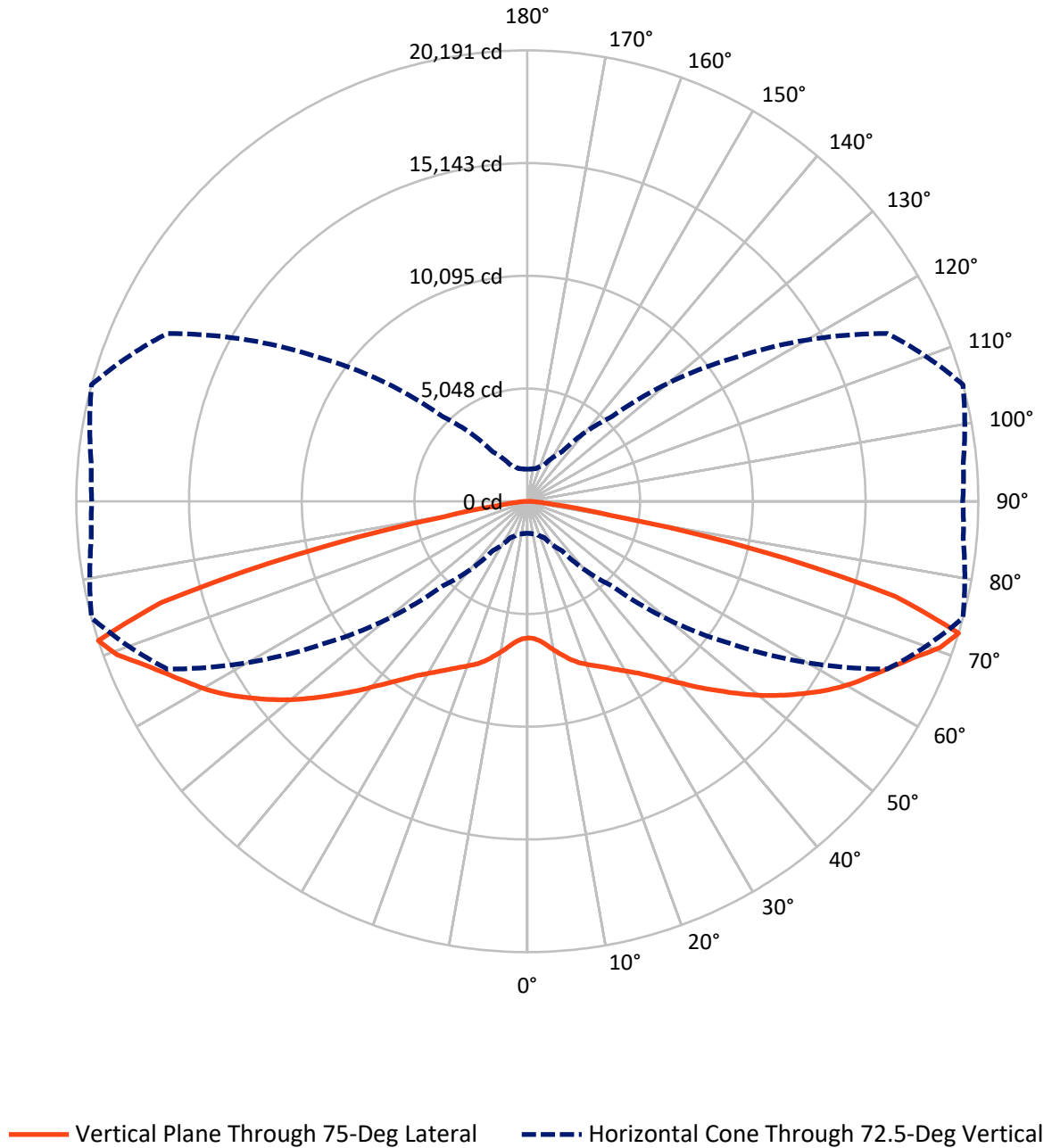
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	28548.5	0.0	28548.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28548.5	0.0	28548.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	57097.0	0.0	57097.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	599.1	1.0
10°-20°	1976.0	3.5
20°-30°	3818.3	6.7
30°-40°	6447.4	11.3
40°-50°	10224.9	17.9
50°-60°	13689.9	24.0
60°-70°	13028.4	22.8
70°-80°	6798.4	11.9
80°-90°	514.6	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°	57097.0	100.0
0°-180°	57097.0	100.0

**Coefficient of Utilization**



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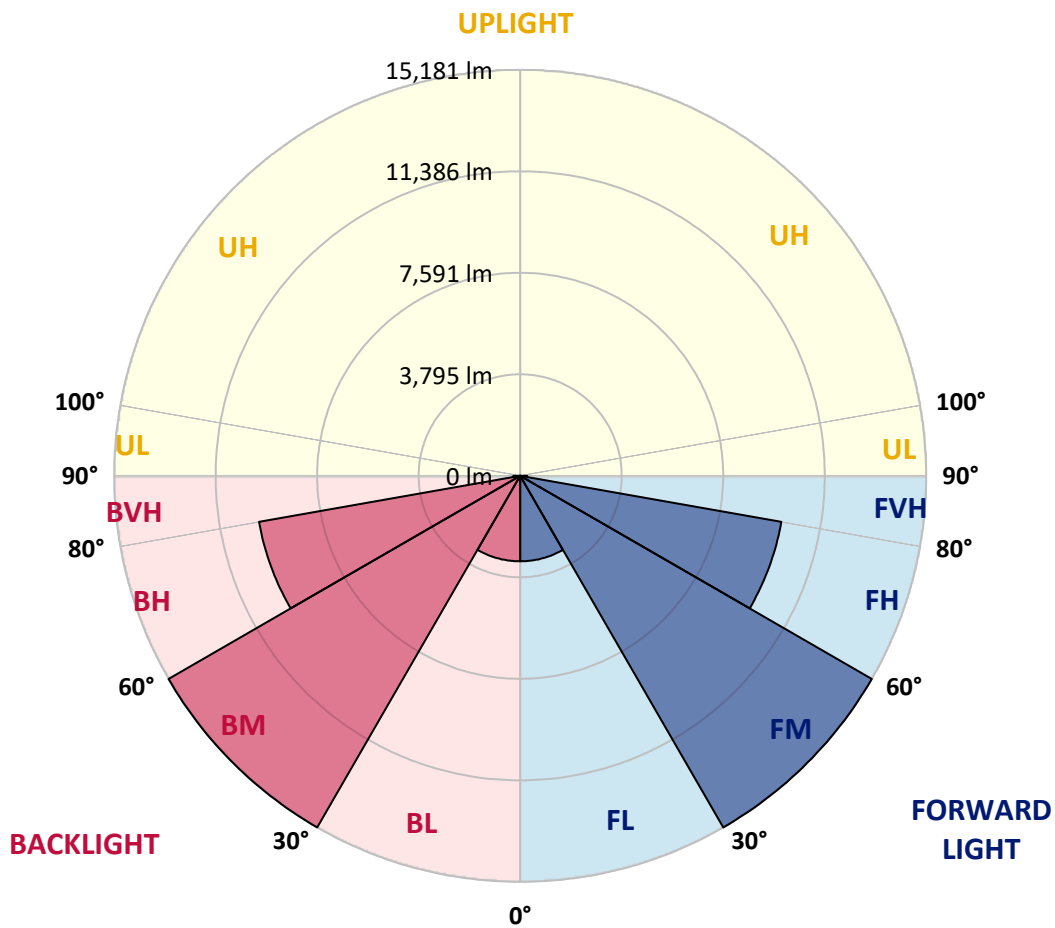
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3196.7	5.6			
FM (30°-60°)	15181.1	26.6			
FH (60°-80°)	9913.4	17.4			G4/12000
FVH (80°-90°)	257.3	0.5			G3/500
BL (0°-30°)	3196.7	5.6	B4/5000		
BM (30°-60°)	15181.1	26.6	B5		
BH (60°-80°)	9913.4	17.4	B5		G5
BVH (80°-90°)	257.3	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°	6116.1	6116.1	6116.1	6116.1	6116.1	6116.1	6116.1	6116.1	6116.1	6116.1
2.5°	6116.1	6110.3	6116.1	6121.9	6119.0	6119.0	6133.6	6142.3	6159.8	6156.9
5°	6075.3	6072.4	6095.7	6121.9	6142.3	6177.3	6221.1	6253.1	6293.9	6302.7
7.5°	6054.9	6046.1	6087.0	6133.6	6197.7	6285.2	6369.7	6457.2	6527.2	6550.5
10°	6069.5	6072.4	6127.8	6215.2	6317.3	6439.7	6559.2	6707.9	6807.0	6830.3
12.5°	6136.5	6130.7	6224.0	6363.9	6503.8	6658.3	6798.3	6961.5	7069.4	7124.8
15°	6259.0	6247.3	6378.5	6585.5	6789.5	6970.3	7084.0	7238.5	7363.8	7433.8
17.5°	6404.7	6410.5	6582.5	6850.7	7118.9	7323.0	7430.9	7509.6	7605.8	7667.0
20°	6661.3	6672.9	6865.3	7183.1	7489.2	7722.4	7809.8	7780.7	7806.9	7853.6
22.5°	7005.2	7011.1	7226.8	7570.8	7891.5	8148.0	8206.3	8086.8	8013.9	8046.0
25°	7404.6	7442.5	7658.3	8011.0	8340.4	8585.3	8611.5	8430.8	8250.0	8258.8
27.5°	7891.5	7926.5	8145.1	8494.9	8830.2	9043.0	9040.1	8798.1	8532.8	8465.8
30°	8419.1	8457.0	8681.5	9043.0	9354.9	9541.5	9500.7	9212.1	8833.1	8707.7
32.5°	9045.9	9069.2	9296.6	9658.1	9946.7	10095.4	10010.8	9655.2	9182.9	9040.1
35°	9803.9	9838.8	10007.9	10349.0	10602.6	10725.1	10582.2	10162.4	9631.9	9471.5
37.5°	10669.7	10646.3	10838.8	11141.9	11351.8	11427.6	11232.3	10733.8	10144.9	9955.4
40°	11573.4	11561.7	11771.6	12063.1	12176.8	12223.5	11934.9	11389.7	10736.7	10532.7
42.5°	12392.6	12383.8	12666.6	12990.2	13127.2	13074.7	12710.3	12086.5	11421.8	11188.6
45°	13048.5	13036.8	13383.7	13838.5	14106.7	14019.2	13529.5	12856.1	12115.6	11873.7
47.5°	13552.8	13558.6	13931.8	14494.4	14963.8	14995.8	14366.2	13640.3	12879.4	12605.4
50°	13917.2	13934.7	14334.1	14957.9	15599.3	15882.1	15220.3	14444.9	13669.4	13360.4
52.5°	14007.6	14039.7	14520.7	15252.4	16007.4	16546.7	16089.0	15217.4	14418.6	14124.2
55°	13526.6	13590.7	14200.0	15229.1	16258.1	16984.0	16852.8	16001.6	15173.7	14870.5
57.5°	12421.7	12512.1	13223.4	14567.3	16202.7	17284.3	17444.6	16753.7	15928.7	15637.2
60°	10873.7	10981.6	11663.8	13130.1	15421.5	17395.1	17861.5	17485.4	16622.5	16339.8
62.5°	8538.7	8678.6	9494.8	11214.8	13771.5	16879.1	18217.1	18147.2	17246.4	16893.6
65°	5477.7	5626.4	6486.3	8518.2	11570.5	15299.0	18327.9	18791.4	17905.2	17412.6
67.5°	3302.9	3370.0	3795.6	5162.8	8457.0	12917.3	17389.2	19505.7	18674.8	18062.6
70°	2113.5	2151.4	2405.0	3031.8	4780.9	9424.9	15062.9	19639.8	19607.7	18730.2
72.5°	1434.3	1445.9	1513.0	1795.8	2705.3	5355.2	11109.9	17779.9	20190.7	19590.2
75°	1049.5	1113.6	1221.5	1271.0	1536.3	2676.2	6366.8	12491.7	17016.1	17278.5
77.5°	781.3	784.2	932.9	991.2	1096.1	1425.5	2693.7	6973.2	10564.7	11092.4
80°	661.8	626.8	623.9	798.8	825.0	889.1	1204.0	2408.0	3783.9	2294.3
82.5°	551.0	513.1	463.5	623.9	562.6	545.1	521.8	979.5	1204.0	591.8
85°	384.8	367.3	349.8	408.1	320.7	274.0	250.7	457.7	507.2	250.7
87.5°	166.2	172.0	174.9	180.7	134.1	96.2	96.2	128.3	128.3	99.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6116.1
6154.0
6302.7
6556.3
6853.7
7148.1
7460.0
7696.2
7888.6
8069.3
8273.4
8486.2
8722.3
9075.0
9494.8
9990.4
10599.7
11246.9
11929.0
12687.0
13453.7
14200.0
14955.0
15704.2
16401.0
16934.5
17473.8
18109.3
18724.4
19496.9
16642.9
9894.2
1734.6
504.3
221.6
72.9
0.0

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