

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: P954641

Luminaire Tested: **GALN-SB7D-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954641  
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-SB7D-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

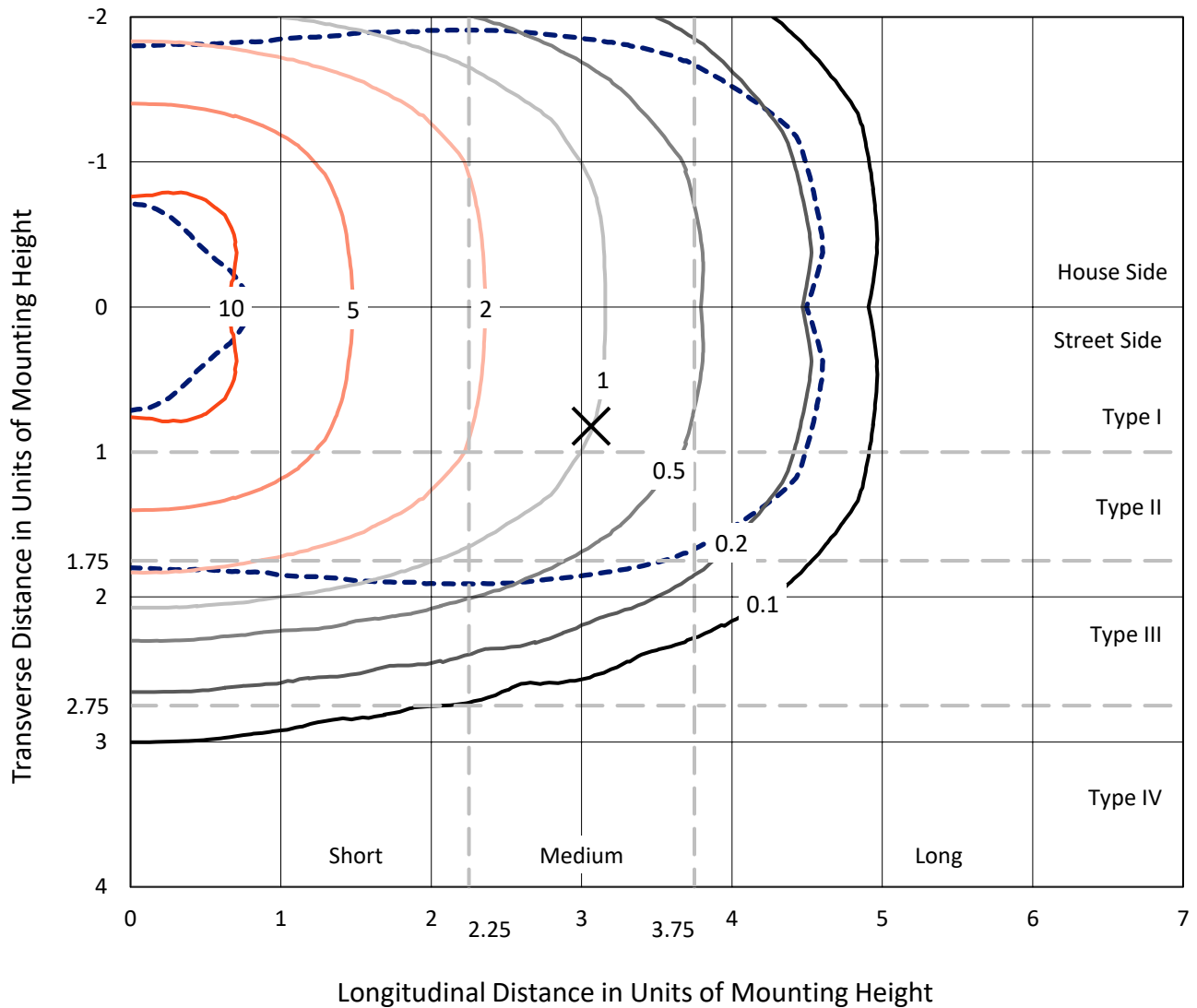
Lumens per Lamp: N/A  
Luminaire Lumens: 66961 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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

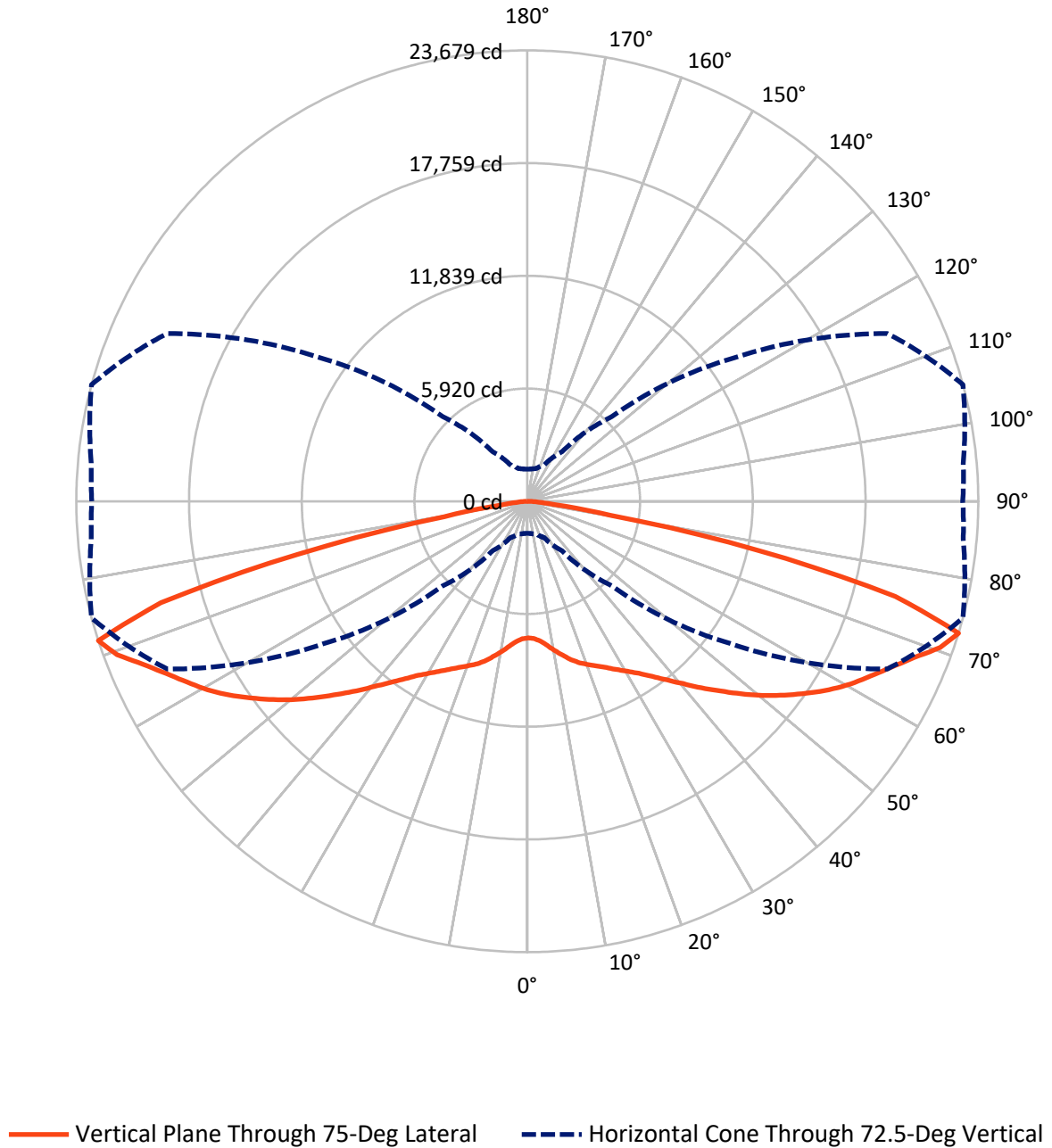
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	33480.5	0.0	33480.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33480.5	0.0	33480.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	66961.0	0.0	66961.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	702.6	1.0
10°-20°	2317.4	3.5
20°-30°	4477.9	6.7
30°-40°	7561.2	11.3
40°-50°	11991.3	17.9
50°-60°	16054.9	24.0
60°-70°	15279.1	22.8
70°-80°	7972.9	11.9
80°-90°	603.5	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°	66961.0	100.0
0°-180°	66961.0	100.0

**Coefficient of Utilization**



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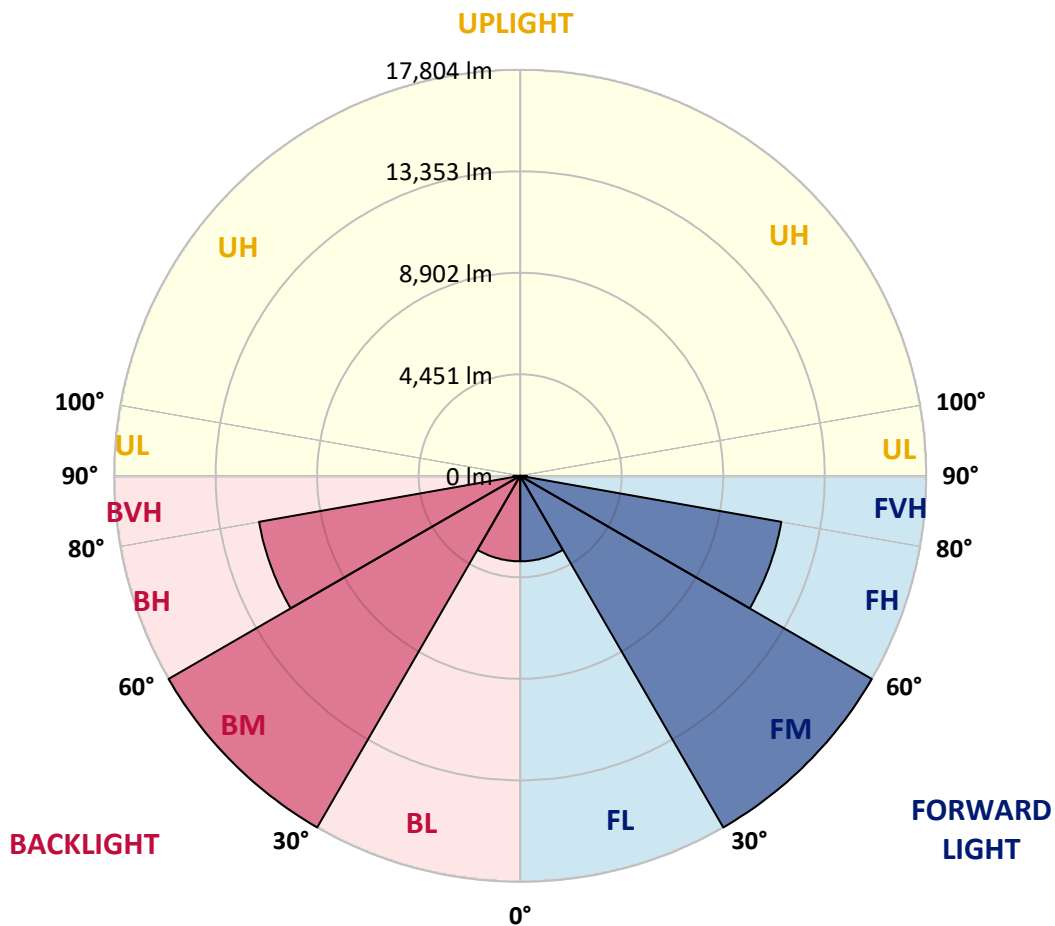
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3749.0	5.6			
FM (30°-60°)	17803.7	26.6			
FH (60°-80°)	11626.0	17.4			G4/12000
FVH (80°-90°)	301.8	0.5			G3/500
BL (0°-30°)	3749.0	5.6	B4/5000		
BM (30°-60°)	17803.7	26.6	B5		
BH (60°-80°)	11626.0	17.4	B5		G5
BVH (80°-90°)	301.8	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°	7172.7	7172.7	7172.7	7172.7	7172.7	7172.7	7172.7	7172.7	7172.7	7172.7
2.5°	7172.7	7165.9	7172.7	7179.6	7176.1	7176.1	7193.2	7203.5	7224.0	7220.6
5°	7124.9	7121.4	7148.8	7179.6	7203.5	7244.5	7295.8	7333.4	7381.3	7391.5
7.5°	7100.9	7090.7	7138.5	7193.2	7268.4	7371.0	7470.2	7572.7	7654.8	7682.1
10°	7118.0	7121.4	7186.4	7289.0	7408.6	7552.2	7692.4	7866.7	7983.0	8010.3
12.5°	7196.7	7189.8	7299.2	7463.3	7627.4	7808.6	7972.7	8164.2	8290.7	8355.6
15°	7340.2	7326.6	7480.4	7723.2	7962.5	8174.4	8307.8	8489.0	8636.0	8718.0
17.5°	7511.2	7518.0	7719.7	8034.3	8348.8	8588.1	8714.6	8806.9	8919.7	8991.5
20°	7812.0	7825.7	8051.4	8424.0	8783.0	9056.5	9159.1	9124.9	9155.6	9210.3
22.5°	8215.5	8222.3	8475.3	8878.7	9254.8	9555.7	9624.0	9483.9	9398.4	9436.0
25°	8683.8	8728.3	8981.3	9395.0	9781.3	10068.5	10099.2	9887.3	9675.3	9685.6
27.5°	9254.8	9295.8	9552.2	9962.5	10355.7	10605.2	10601.8	10318.1	10006.9	9928.3
30°	9873.6	9918.0	10181.3	10605.2	10971.1	11189.9	11142.0	10803.5	10359.1	10212.1
32.5°	10608.7	10636.0	10902.7	11326.6	11665.1	11839.4	11740.3	11323.2	10769.3	10601.8
35°	11497.6	11538.6	11736.9	12136.9	12434.3	12577.9	12410.4	11918.1	11295.8	11107.8
37.5°	12512.9	12485.6	12711.2	13066.8	13313.0	13401.8	13172.8	12588.2	11897.6	11675.3
40°	13572.8	13559.1	13805.3	14147.2	14280.5	14335.2	13996.7	13357.4	12591.6	12352.3
42.5°	14533.5	14523.2	14854.9	15234.3	15395.0	15333.5	14906.1	14174.5	13395.0	13121.5
45°	15302.7	15289.0	15695.9	16229.2	16543.8	16441.2	15866.8	15077.1	14208.7	13924.9
47.5°	15894.2	15901.0	16338.6	16998.5	17548.9	17586.5	16848.0	15996.7	15104.4	14783.1
50°	16321.5	16342.0	16810.4	17542.1	18294.2	18625.8	17849.8	16940.3	16030.9	15668.5
52.5°	16427.5	16465.1	17029.2	17887.4	18772.8	19405.3	18868.6	17846.3	16909.6	16564.3
55°	15863.4	15938.6	16653.2	17860.0	19066.9	19918.1	19764.3	18766.0	17795.1	17439.5
57.5°	14567.7	14673.7	15507.8	17083.9	19001.9	20270.3	20458.3	19648.1	18680.5	18338.6
60°	12752.3	12878.8	13678.8	15398.4	18085.7	20400.2	20947.2	20506.2	19494.2	19162.6
62.5°	10013.8	10177.9	11135.2	13152.3	16150.6	19795.1	21364.3	21282.3	20225.8	19812.2
65°	6424.0	6598.4	7606.9	9989.8	13569.4	17942.1	21494.2	22037.8	20998.5	20420.7
67.5°	3873.5	3952.2	4451.3	6054.8	9918.0	15148.9	20393.4	22875.4	21901.1	21183.1
70°	2478.7	2523.1	2820.5	3555.6	5606.9	11053.1	17665.1	23032.7	22995.1	21966.0
72.5°	1682.1	1695.7	1774.4	2106.0	3172.7	6280.4	13029.2	20851.5	23678.9	22974.6
75°	1230.8	1306.0	1432.5	1490.6	1801.7	3138.5	7466.7	14649.7	19955.8	20263.5
77.5°	916.2	919.7	1094.0	1162.4	1285.5	1671.8	3159.0	8177.9	12389.9	13008.7
80°	776.1	735.1	731.6	936.8	967.5	1042.7	1412.0	2824.0	4437.7	2690.6
82.5°	646.2	601.7	543.6	731.6	659.8	639.3	612.0	1148.7	1412.0	694.0
85°	451.3	430.8	410.3	478.6	376.1	321.4	294.0	536.8	594.9	294.0
87.5°	194.9	201.7	205.1	212.0	157.3	112.8	112.8	150.4	150.4	116.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7172.7
7217.2
7391.5
7689.0
8037.7
8383.0
8748.8
9025.7
9251.4
9463.3
9702.7
9952.2
10229.2
10642.8
11135.2
11716.4
12430.9
13189.9
13989.9
14878.8
15777.9
16653.2
17538.6
18417.3
19234.4
19860.0
20492.5
21237.8
21959.2
22865.2
19518.1
11603.5
2034.2
591.5
259.8
85.5
0.0

OF REPORT)