

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: P953255

Luminaire Tested: **GALN-SB6D-840-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953255  
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-840-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

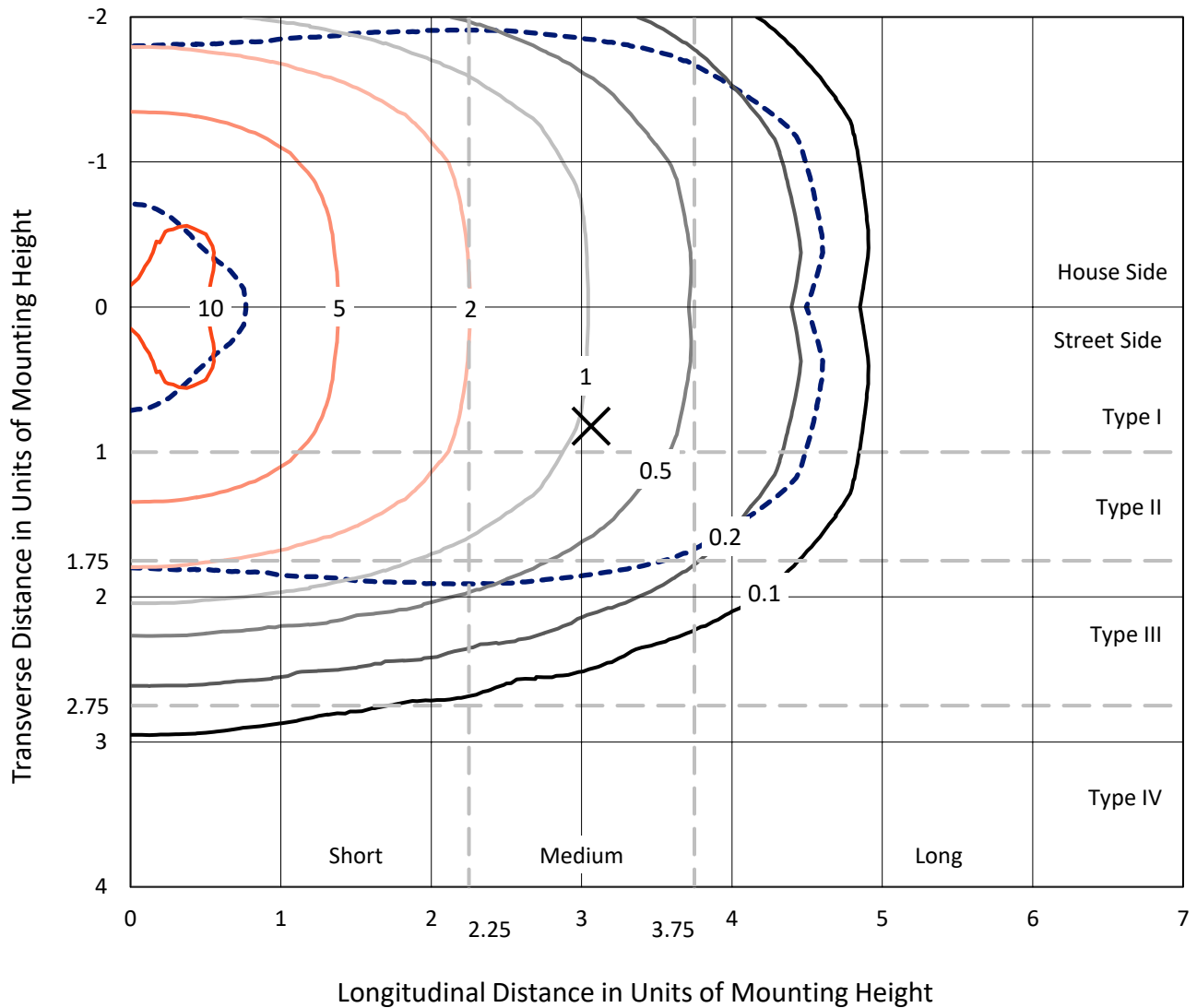
Lumens per Lamp: N/A  
Luminaire Lumens: 60781 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): 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

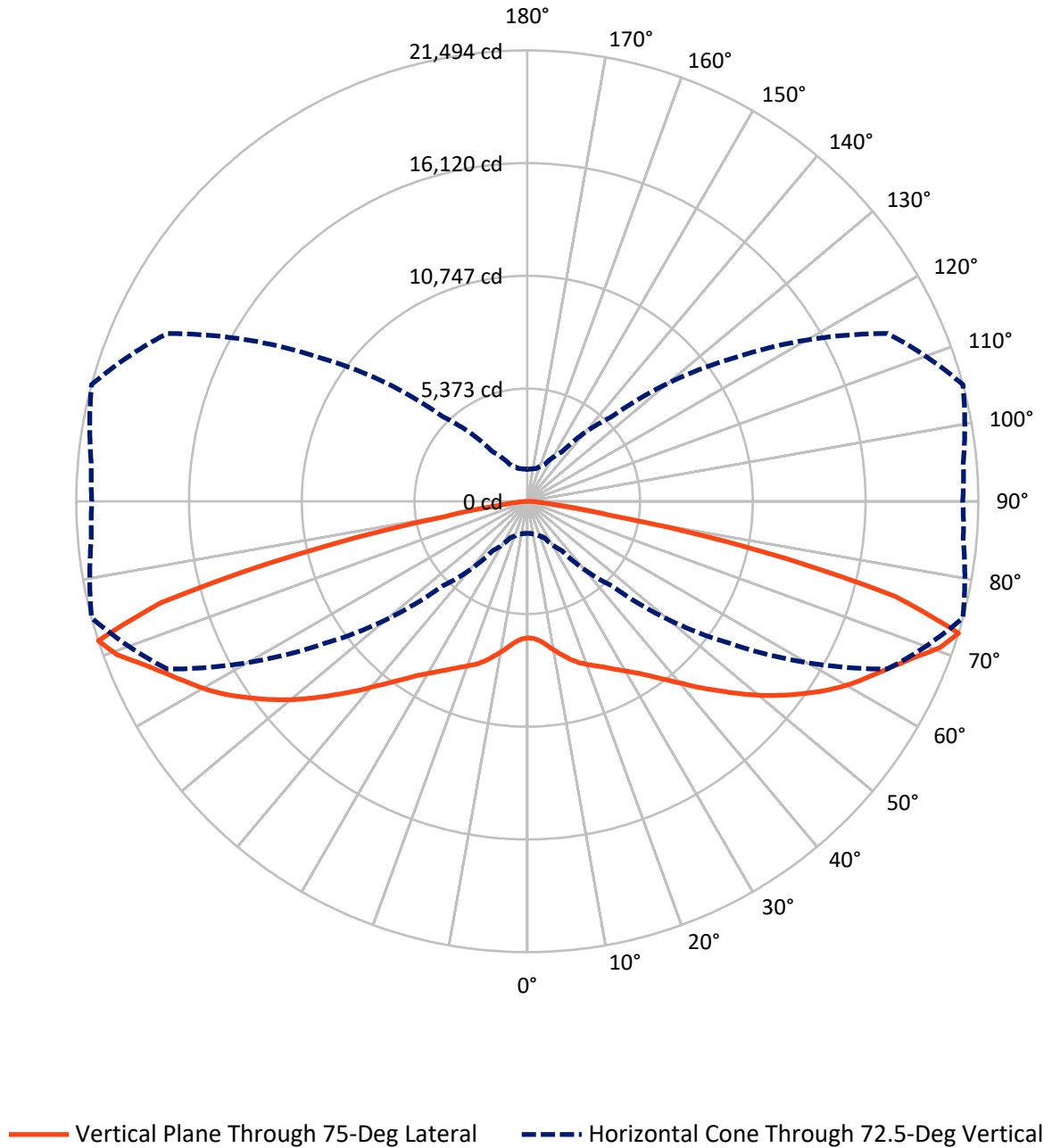
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	30390.5	0.0	30390.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30390.5	0.0	30390.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	60781.0	0.0	60781.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.8	1.0
10°-20°	2103.5	3.5
20°-30°	4064.6	6.7
30°-40°	6863.4	11.3
40°-50°	10884.6	17.9
50°-60°	14573.2	24.0
60°-70°	13869.0	22.8
70°-80°	7237.1	11.9
80°-90°	547.8	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°	60781.0	100.0
0°-180°	60781.0	100.0



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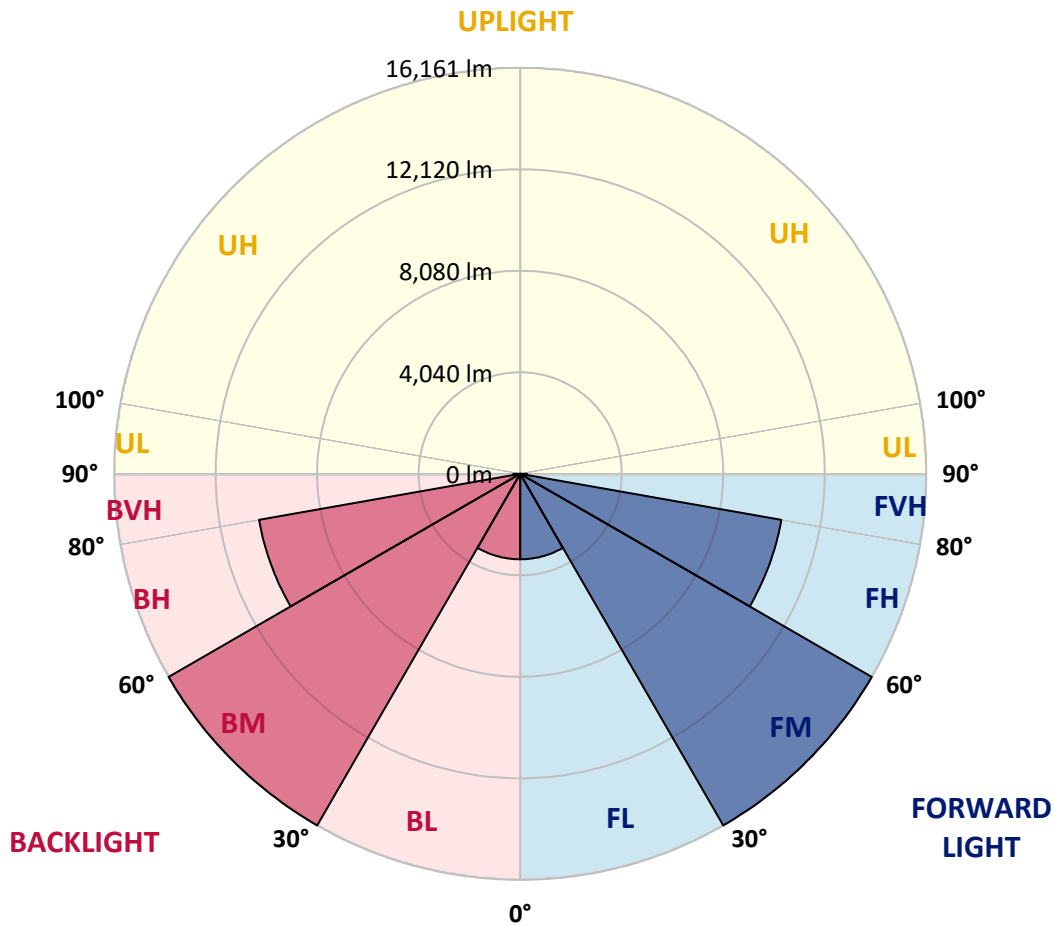
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3403.0	5.6			
FM (30°-60°)	16160.6	26.6			
FH (60°-80°)	10553.0	17.4			G4/12000
FVH (80°-90°)	273.9	0.5			G3/500
BL (0°-30°)	3403.0	5.6	B4/5000		
BM (30°-60°)	16160.6	26.6	B5		
BH (60°-80°)	10553.0	17.4	B5		G5
BVH (80°-90°)	273.9	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°	6510.7	6510.7	6510.7	6510.7	6510.7	6510.7	6510.7	6510.7	6510.7	6510.7
2.5°	6510.7	6504.5	6510.7	6516.9	6513.8	6513.8	6529.4	6538.7	6557.3	6554.2
5°	6467.3	6464.2	6489.0	6516.9	6538.7	6575.9	6622.5	6656.6	6700.0	6709.3
7.5°	6445.6	6436.3	6479.7	6529.4	6597.6	6690.7	6780.7	6873.8	6948.3	6973.1
10°	6461.1	6464.2	6523.1	6616.2	6724.9	6855.2	6982.4	7140.7	7246.2	7271.0
12.5°	6532.5	6526.2	6625.6	6774.5	6923.5	7087.9	7236.9	7410.7	7525.5	7584.5
15°	6662.8	6650.4	6790.0	7010.4	7227.6	7420.0	7541.0	7705.5	7838.9	7913.4
17.5°	6818.0	6824.2	7007.3	7292.8	7578.3	7795.5	7910.3	7994.1	8096.5	8161.7
20°	7091.1	7103.5	7308.3	7646.5	7972.4	8220.7	8313.8	8282.7	8310.6	8360.3
22.5°	7457.2	7463.4	7693.1	8059.3	8400.6	8673.7	8735.8	8608.6	8531.0	8565.1
25°	7882.4	7922.7	8152.4	8527.9	8878.6	9139.2	9167.2	8974.8	8782.4	8791.7
27.5°	8400.6	8437.9	8670.6	9043.0	9399.9	9626.5	9623.3	9365.8	9083.4	9012.0
30°	8962.3	9002.7	9241.6	9626.5	9958.5	10157.1	10113.7	9806.4	9403.0	9269.6
32.5°	9629.6	9654.4	9896.4	10281.2	10588.5	10746.7	10656.7	10278.1	9775.4	9623.3
35°	10436.4	10473.7	10653.6	11016.7	11286.7	11417.1	11265.0	10818.1	10253.3	10082.6
37.5°	11358.1	11333.3	11538.1	11860.8	12084.3	12165.0	11957.0	11426.4	10799.5	10597.8
40°	12320.1	12307.7	12531.1	12841.5	12962.5	13012.2	12704.9	12124.6	11429.5	11212.2
42.5°	13192.1	13182.8	13483.9	13828.3	13974.2	13918.3	13530.4	12866.3	12158.7	11910.5
45°	13890.4	13878.0	14247.3	14731.4	15016.9	14923.8	14402.4	13685.6	12897.3	12639.8
47.5°	14427.3	14433.5	14830.7	15429.6	15929.3	15963.4	15293.1	14520.4	13710.4	13418.7
50°	14815.2	14833.8	15258.9	15923.1	16605.8	16906.8	16202.4	15376.9	14551.4	14222.4
52.5°	14911.4	14945.5	15457.6	16236.5	17040.2	17614.4	17127.1	16199.3	15348.9	15035.5
55°	14399.3	14467.6	15116.2	16211.7	17307.1	18079.9	17940.2	17034.0	16152.7	15830.0
57.5°	13223.2	13319.4	14076.6	15507.2	17248.2	18399.5	18570.2	17834.7	16956.5	16646.1
60°	11575.3	11690.1	12416.3	13977.3	16416.5	18517.4	19013.9	18613.6	17695.0	17394.0
62.5°	9089.6	9238.5	10107.5	11938.4	14660.0	17968.1	19392.6	19318.1	18359.2	17983.7
65°	5831.1	5989.4	6904.9	9067.9	12317.0	16286.1	19510.5	20003.9	19060.5	18536.0
67.5°	3516.0	3587.4	4040.5	5496.0	9002.7	13750.7	18511.2	20764.2	19879.8	19228.1
70°	2249.9	2290.2	2560.2	3227.4	5089.4	10033.0	16034.8	20907.0	20872.8	19938.7
72.5°	1526.8	1539.2	1610.6	1911.6	2879.9	5700.8	11826.7	18927.1	21493.5	20854.2
75°	1117.2	1185.5	1300.3	1353.0	1635.4	2848.8	6777.6	13297.7	18114.0	18393.3
77.5°	831.7	834.8	993.1	1055.1	1166.8	1517.5	2867.5	7423.1	11246.4	11808.1
80°	704.5	667.2	664.1	850.3	878.2	946.5	1281.7	2563.3	4028.1	2442.3
82.5°	586.5	546.2	493.4	664.1	598.9	580.3	555.5	1042.7	1281.7	630.0
85°	409.6	391.0	372.4	434.5	341.4	291.7	266.9	487.2	540.0	266.9
87.5°	176.9	183.1	186.2	192.4	142.8	102.4	102.4	136.5	136.5	105.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6510.7
6551.1
6709.3
6979.3
7295.9
7609.3
7941.4
8192.7
8397.5
8589.9
8807.2
9033.7
9285.1
9660.6
10107.5
10635.0
11283.6
11972.5
12698.7
13505.6
14321.8
15116.2
15920.0
16717.5
17459.2
18027.1
18601.2
19277.7
19932.5
20754.9
17716.8
10532.6
1846.5
536.9
235.9
77.6
0.0

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