

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: P951680

Luminaire Tested: **GALN-SB5D-735-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951680  
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-SB5D-735-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

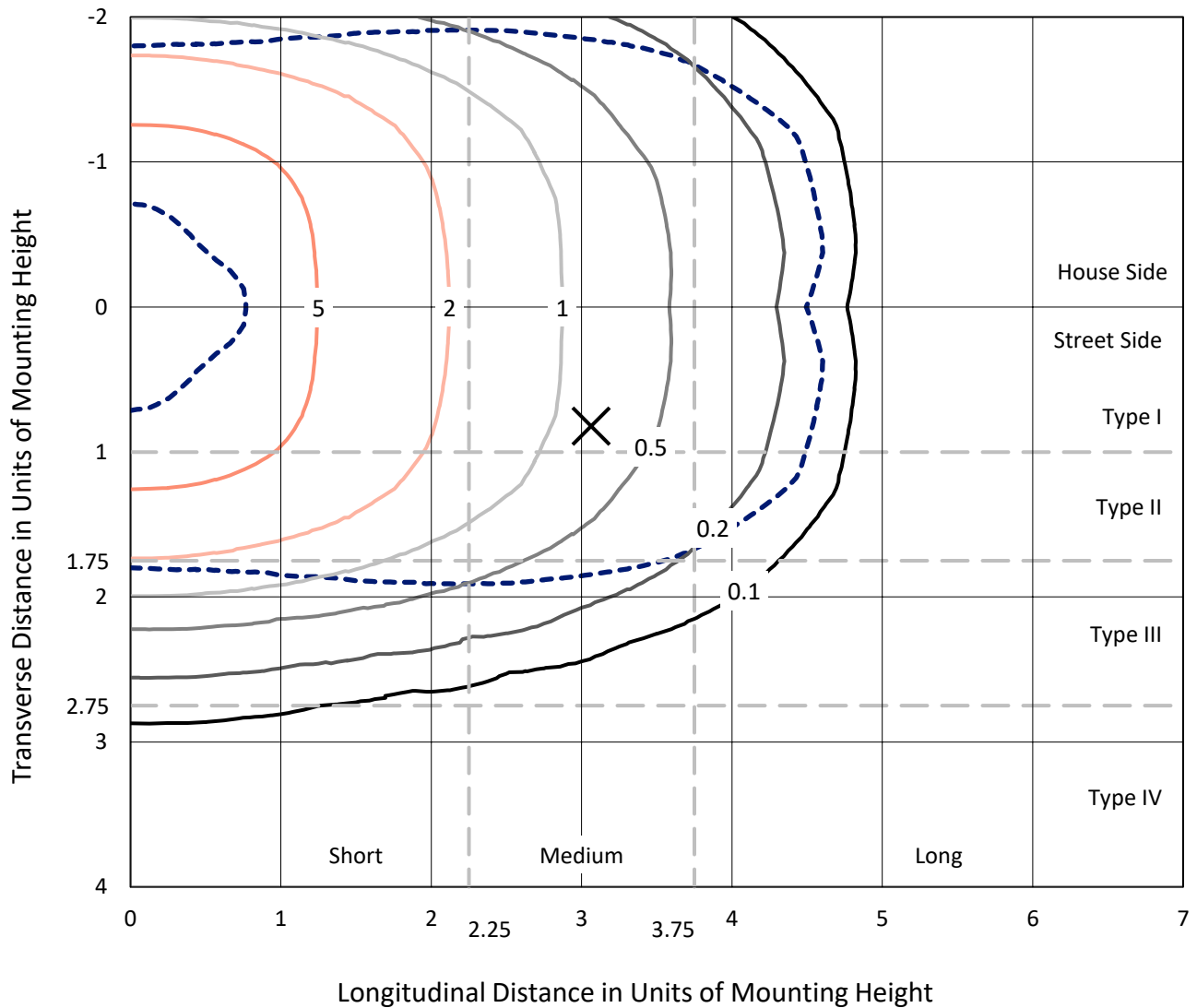
Lumens per Lamp: N/A  
Luminaire Lumens: 52933 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): 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

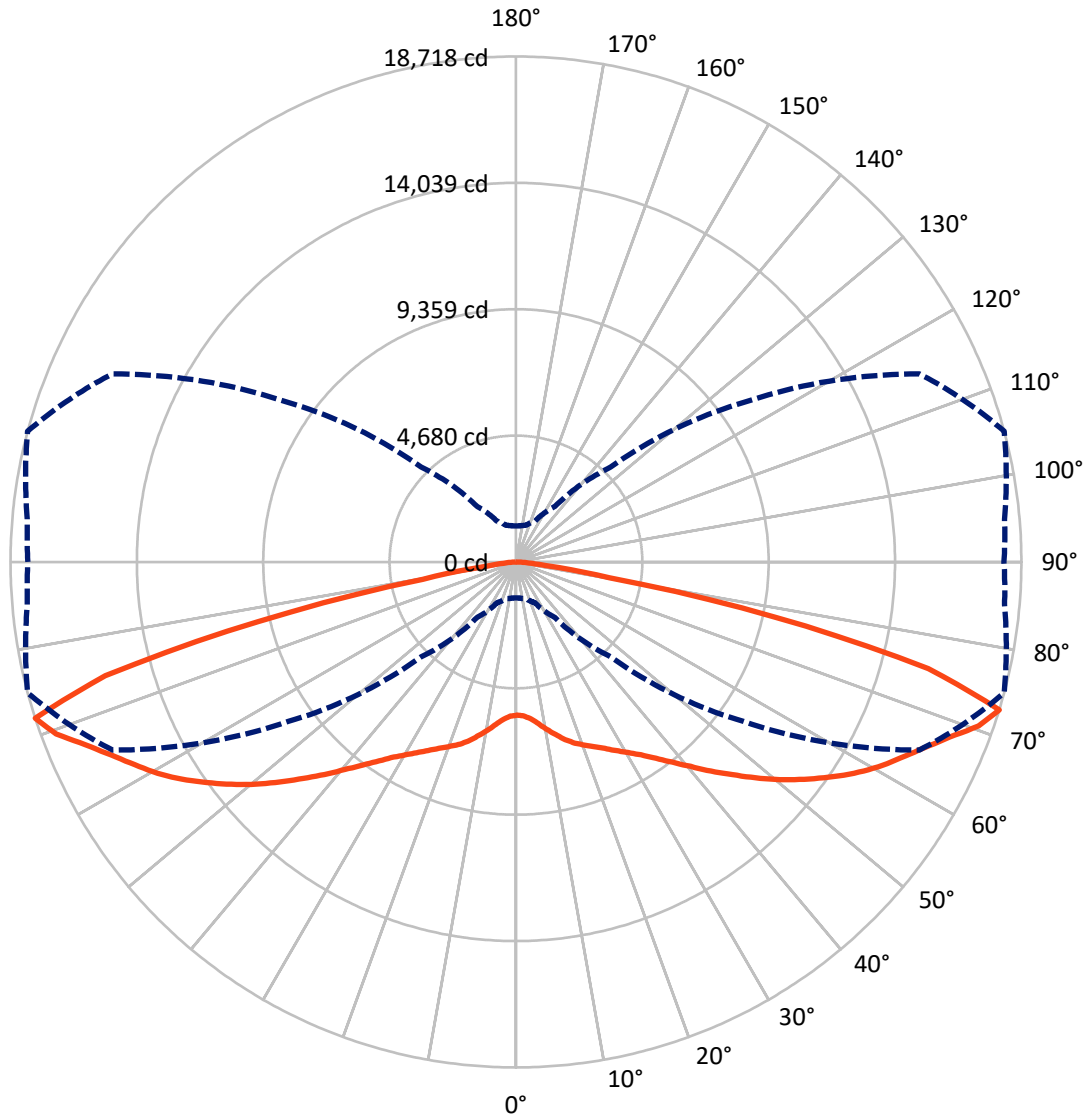
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26466.5	0.0	26466.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26466.5	0.0	26466.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52933.0	0.0	52933.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	555.4	1.0
10°-20°	1831.9	3.5
20°-30°	3539.8	6.7
30°-40°	5977.2	11.3
40°-50°	9479.2	17.9
50°-60°	12691.5	24.0
60°-70°	12078.2	22.8
70°-80°	6302.6	11.9
80°-90°	477.1	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°	52933.0	100.0
0°-180°	52933.0	100.0

**Coefficient of Utilization**



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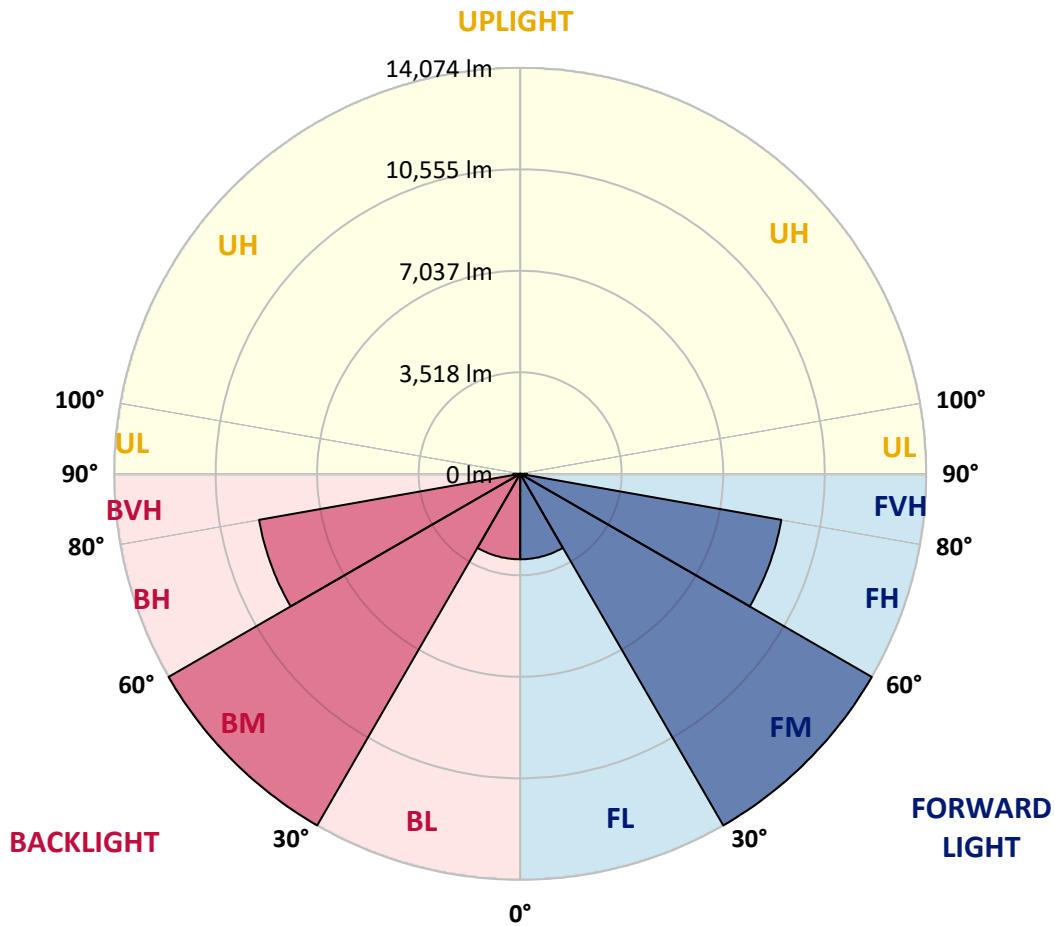
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2963.6	5.6			
FM (30°-60°)	14073.9	26.6			
FH (60°-80°)	9190.4	17.4			G4/12000
FVH (80°-90°)	238.5	0.5			G3/500
BL (0°-30°)	2963.6	5.6	B4/5000		
BM (30°-60°)	14073.9	26.6	B5		
BH (60°-80°)	9190.4	17.4	B5		G5
BVH (80°-90°)	238.5	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°	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1
2.5°	5670.1	5664.7	5670.1	5675.5	5672.8	5672.8	5686.3	5694.4	5710.6	5707.9
5°	5632.2	5629.5	5651.2	5675.5	5694.4	5726.8	5767.4	5797.1	5834.9	5843.0
7.5°	5613.3	5605.2	5643.0	5686.3	5745.7	5826.8	5905.2	5986.3	6051.1	6072.8
10°	5626.8	5629.5	5680.9	5762.0	5856.6	5970.1	6080.9	6218.7	6310.6	6332.2
12.5°	5689.0	5683.6	5770.1	5899.8	6029.5	6172.8	6302.5	6453.8	6553.8	6605.2
15°	5802.5	5791.7	5913.3	6105.2	6294.4	6461.9	6567.3	6710.6	6826.8	6891.7
17.5°	5937.6	5943.0	6102.5	6351.1	6599.8	6789.0	6888.9	6961.9	7051.1	7107.9
20°	6175.5	6186.3	6364.6	6659.2	6943.0	7159.2	7240.3	7213.3	7237.6	7280.8
22.5°	6494.4	6499.8	6699.8	7018.7	7316.0	7553.8	7607.8	7497.0	7429.5	7459.2
25°	6864.6	6899.8	7099.8	7426.8	7732.2	7959.2	7983.5	7815.9	7648.4	7656.5
27.5°	7316.0	7348.4	7551.1	7875.4	8186.2	8383.5	8380.8	8156.5	7910.5	7848.4
30°	7805.1	7840.3	8048.4	8383.5	8672.7	8845.6	8807.8	8540.2	8188.9	8072.7
32.5°	8386.2	8407.8	8618.6	8953.7	9221.3	9359.1	9280.8	8951.0	8513.2	8380.8
35°	9088.9	9121.3	9278.1	9594.3	9829.4	9942.9	9810.5	9421.3	8929.4	8780.8
37.5°	9891.5	9869.9	10048.3	10329.4	10524.0	10594.2	10413.1	9951.0	9405.1	9229.4
40°	10729.4	10718.5	10913.1	11183.4	11288.8	11332.0	11064.5	10559.1	9953.7	9764.5
42.5°	11488.8	11480.7	11742.8	12042.8	12169.8	12121.2	11783.4	11205.0	10588.8	10372.6
45°	12096.9	12086.1	12407.7	12829.3	13077.9	12996.8	12542.8	11918.5	11232.0	11007.7
47.5°	12564.4	12569.8	12915.8	13437.4	13872.5	13902.2	13318.5	12645.5	11940.1	11686.1
50°	12902.3	12918.5	13288.7	13867.1	14461.7	14723.8	14110.3	13391.4	12672.5	12386.1
52.5°	12986.0	13015.8	13461.7	14140.0	14840.0	15340.0	14915.7	14107.6	13367.1	13094.1
55°	12540.1	12599.6	13164.4	14118.4	15072.4	15745.4	15623.8	14834.6	14067.1	13786.0
57.5°	11515.8	11599.6	12259.0	13504.9	15021.1	16023.8	16172.4	15531.9	14767.1	14496.8
60°	10080.7	10180.7	10813.1	12172.5	14296.8	16126.5	16558.9	16210.2	15410.3	15148.1
62.5°	7915.9	8045.7	8802.4	10396.9	12767.1	15648.1	16888.6	16823.7	15988.6	15661.6
65°	5078.2	5216.0	6013.3	7897.0	10726.7	14183.3	16991.3	17421.0	16599.4	16142.7
67.5°	3062.1	3124.2	3518.8	4786.3	7840.3	11975.3	16121.1	18083.2	17312.9	16745.4
70°	1959.4	1994.5	2229.7	2810.7	4432.3	8737.5	13964.4	18207.5	18177.7	17364.3
72.5°	1329.7	1340.5	1402.7	1664.8	2508.0	4964.7	10299.6	16483.2	18718.3	18161.5
75°	972.9	1032.4	1132.4	1178.3	1424.3	2481.0	5902.5	11580.7	15775.1	16018.4
77.5°	724.3	727.0	864.8	918.9	1016.2	1321.6	2497.2	6464.6	9794.3	10283.4
80°	613.5	581.1	578.4	740.5	764.8	824.3	1116.2	2232.4	3508.0	2127.0
82.5°	510.8	475.7	429.7	578.4	521.6	505.4	483.8	908.1	1116.2	548.6
85°	356.7	340.5	324.3	378.4	297.3	254.0	232.4	424.3	470.3	232.4
87.5°	154.0	159.5	162.2	167.6	124.3	89.2	89.2	118.9	118.9	91.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
5670.1
5705.2
5843.0
6078.2
6353.8
6626.8
6916.0
7134.9
7313.3
7480.8
7670.0
7867.3
8086.2
8413.2
8802.4
9261.8
9826.7
10426.7
11059.1
11761.8
12472.5
13164.4
13864.4
14559.0
15204.9
15699.5
16199.4
16788.6
17358.9
<i>18075.0</i>
15429.2
9172.7
1608.1
467.6
205.4
67.6
0.0

OF REPORT)