

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: P954533

Luminaire Tested: **GALN-SB7D-735-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7D-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

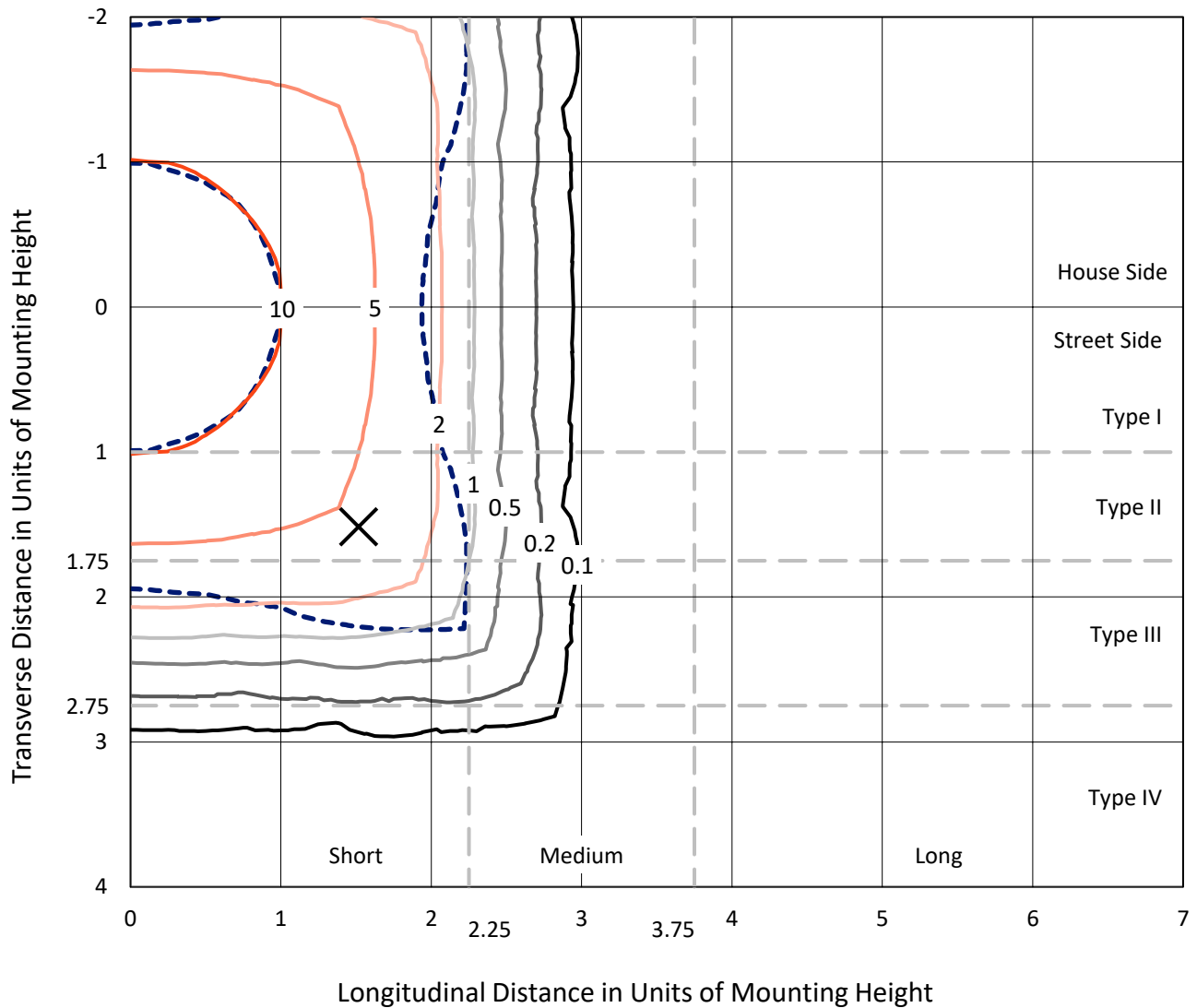
Lumens per Lamp: N/A  
Luminaire Lumens: 75834 lumens  
Efficiency: N/A  
Efficacy: 147.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

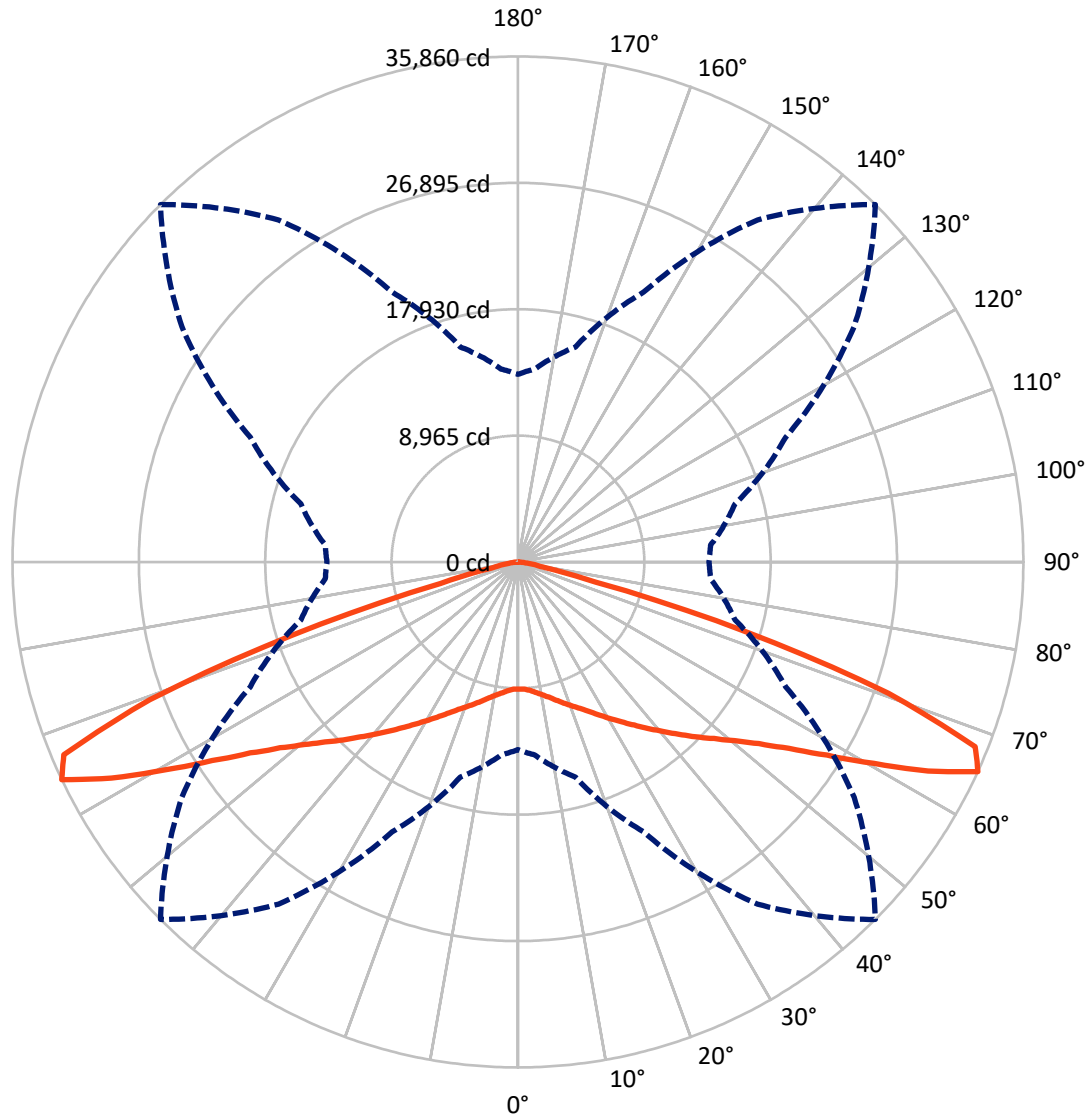
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	37917.0	0.0	37917.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	37917.0	0.0	37917.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	75834.0	0.0	75834.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	890.7	1.2
10°-20°	2906.4	3.8
20°-30°	5487.5	7.2
30°-40°	8985.7	11.8
40°-50°	13932.3	18.4
50°-60°	20581.0	27.1
60°-70°	19591.2	25.8
70°-80°	3161.3	4.2
80°-90°	298.0	0.4
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°	75834.0	100.0
0°-180°	75834.0	100.0

**Coefficient of Utilization**

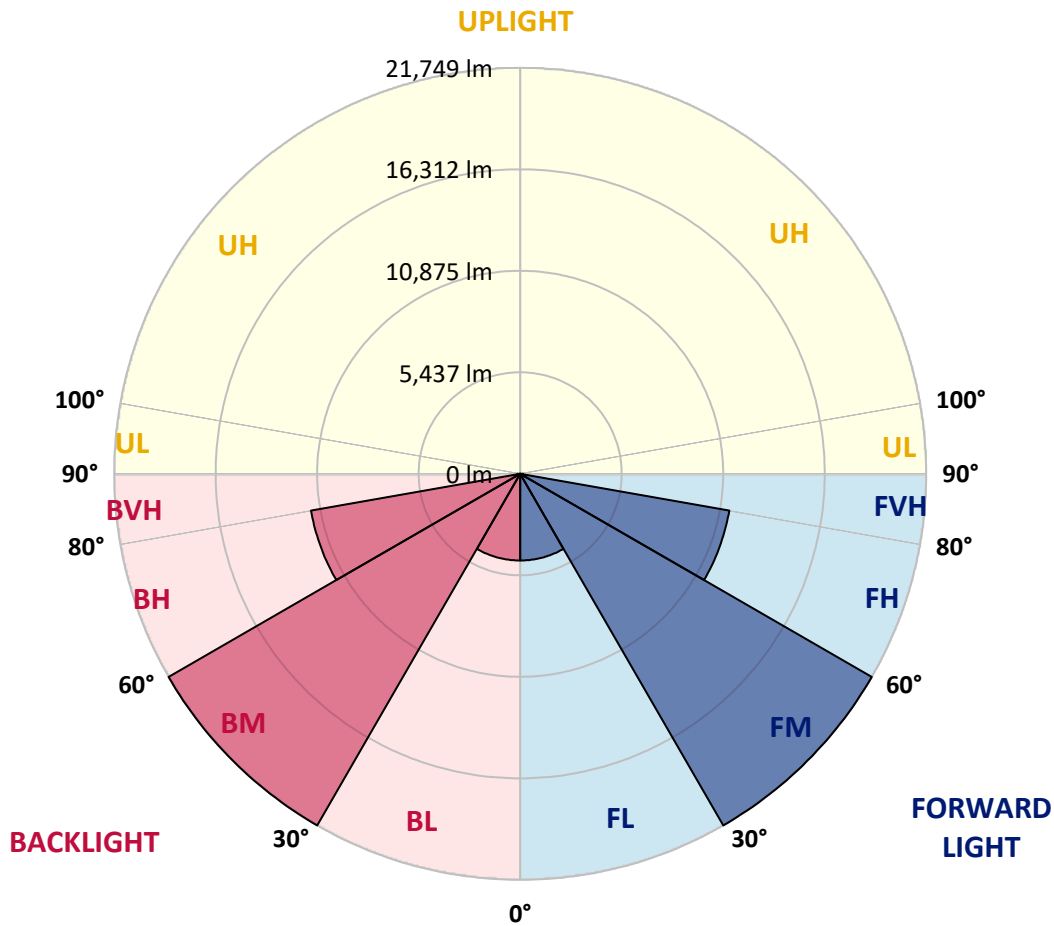


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4642.3	6.1			
FM (30°-60°)	21749.5	28.7			
FH (60°-80°)	11376.2	15.0			G4/12000
FVH (80°-90°)	149.0	0.2			G2/225
BL (0°-30°)	4642.3	6.1	B4/5000		
BM (30°-60°)	21749.5	28.7	B5		
BH (60°-80°)	11376.2	15.0	B5		G4/12000
BVH (80°-90°)	149.0	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0
2.5°	9085.9	9055.4	9078.3	9059.2	9044.0	9028.8	9036.4	9063.1	9074.5	9078.3
5°	9207.6	9181.0	9192.4	9192.4	9165.8	9158.2	9162.0	9181.0	9203.8	9203.8
7.5°	9405.5	9378.9	9405.5	9390.3	9367.4	9359.8	9356.0	9371.2	9405.5	9405.5
10°	9645.2	9614.7	9630.0	9622.4	9595.7	9584.3	9580.5	9603.3	9633.8	9630.0
12.5°	9907.7	9873.5	9892.5	9869.7	9862.1	9850.6	9850.6	9846.8	9865.9	9850.6
15°	10200.7	10177.9	10185.5	10170.3	10181.7	10174.1	10143.6	10128.4	10136.0	10113.2
17.5°	10546.9	10493.7	10520.3	10512.7	10512.7	10527.9	10478.4	10459.4	10474.6	10451.8
20°	10946.4	10893.2	10904.6	10889.4	10870.3	10885.6	10824.7	10839.9	10851.3	10836.1
22.5°	11384.0	11315.5	11311.7	11319.3	11277.5	11281.3	11239.4	11277.5	11300.3	11258.4
25°	11833.0	11760.7	11810.1	11791.1	11737.8	11749.2	11718.8	11756.9	11775.9	11722.6
27.5°	12308.6	12259.1	12304.7	12316.2	12251.5	12297.1	12251.5	12285.7	12304.7	12224.8
30°	12864.1	12814.6	12856.4	12886.9	12810.8	12883.1	12845.0	12867.9	12871.7	12776.5
32.5°	13469.0	13392.9	13499.5	13514.7	13431.0	13518.5	13469.0	13499.5	13518.5	13389.1
35°	14207.2	14112.0	14233.8	14214.8	14142.5	14214.8	14169.1	14214.8	14260.4	14104.4
37.5°	15002.4	14903.4	15032.8	14998.6	14930.1	14979.5	14952.9	14983.3	15055.6	14888.2
40°	15877.5	15755.7	15930.7	15869.9	15805.2	15797.6	15812.8	15831.8	15926.9	15740.5
42.5°	16813.4	16684.1	16946.6	16851.5	16760.2	16699.3	16748.8	16786.8	16878.1	16668.9
45°	17882.6	17734.2	18076.6	17962.5	17817.9	17692.4	17772.3	17829.3	17962.5	17711.4
47.5°	19062.1	18894.7	19259.9	19225.7	18989.8	18715.9	18898.5	19062.1	19161.0	18856.6
50°	20214.9	20085.6	20565.0	20606.8	20317.7	19933.4	20188.3	20435.6	20462.3	20062.8
52.5°	21295.5	21166.1	21862.4	22125.0	21866.2	21409.7	21679.8	21930.9	21729.3	21211.8
55°	22159.2	22052.7	22939.2	23616.4	23704.0	23327.3	23487.1	23479.5	22817.4	22022.2
57.5°	22368.5	22353.2	23471.9	24906.3	25819.4	25865.1	25549.3	24742.7	23315.9	22246.7
60°	21417.3	21512.4	23049.5	25579.7	28014.8	29026.9	27661.0	25359.0	22748.9	21265.1
62.5°	18571.3	18822.4	20675.3	24757.9	29787.8	32664.3	29354.1	24423.1	20420.4	18483.8
65°	13309.2	13746.8	15793.8	21128.1	29628.0	35860.3	29110.6	20956.9	15946.0	13712.5
67.5°	6038.2	6483.4	8222.2	14465.9	25754.7	34992.8	25693.9	14618.1	8633.1	6506.2
70°	2187.8	2263.9	2823.2	5790.9	16459.6	27881.6	17163.5	5832.8	3002.0	2412.2
72.5°	1324.1	1335.5	1453.4	2073.6	5718.6	16927.6	5962.1	2142.1	1483.9	1316.5
75°	840.9	833.3	1034.9	1267.0	2028.0	5711.0	2126.9	1267.0	1031.1	939.8
77.5°	605.0	624.0	741.9	947.4	1278.4	1936.6	1255.6	905.5	741.9	608.8
80°	452.8	464.2	540.3	738.1	897.9	1206.1	799.0	669.6	559.3	380.5
82.5°	327.2	327.2	353.8	536.5	547.9	650.6	433.7	471.8	369.1	270.1
85°	194.0	190.2	220.7	319.6	285.4	239.7	197.9	289.2	232.1	167.4
87.5°	68.5	72.3	68.5	91.3	76.1	64.7	60.9	79.9	64.7	57.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
9025.0
9078.3
9203.8
9394.1
9622.4
9858.3
10117.0
10470.8
10870.3
11300.3
11783.5
12285.7
12833.6
13476.6
14199.5
14990.9
15801.4
16779.2
17840.7
18959.4
20112.2
21227.0
22048.9
22178.2
21090.1
18369.6
13548.9
6411.1
2381.8
1339.3
947.4
620.2
391.9
270.1
163.6
53.3
0.0

OF REPORT)