

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: P952390

Luminaire Tested: **GALN-SB6B-735-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

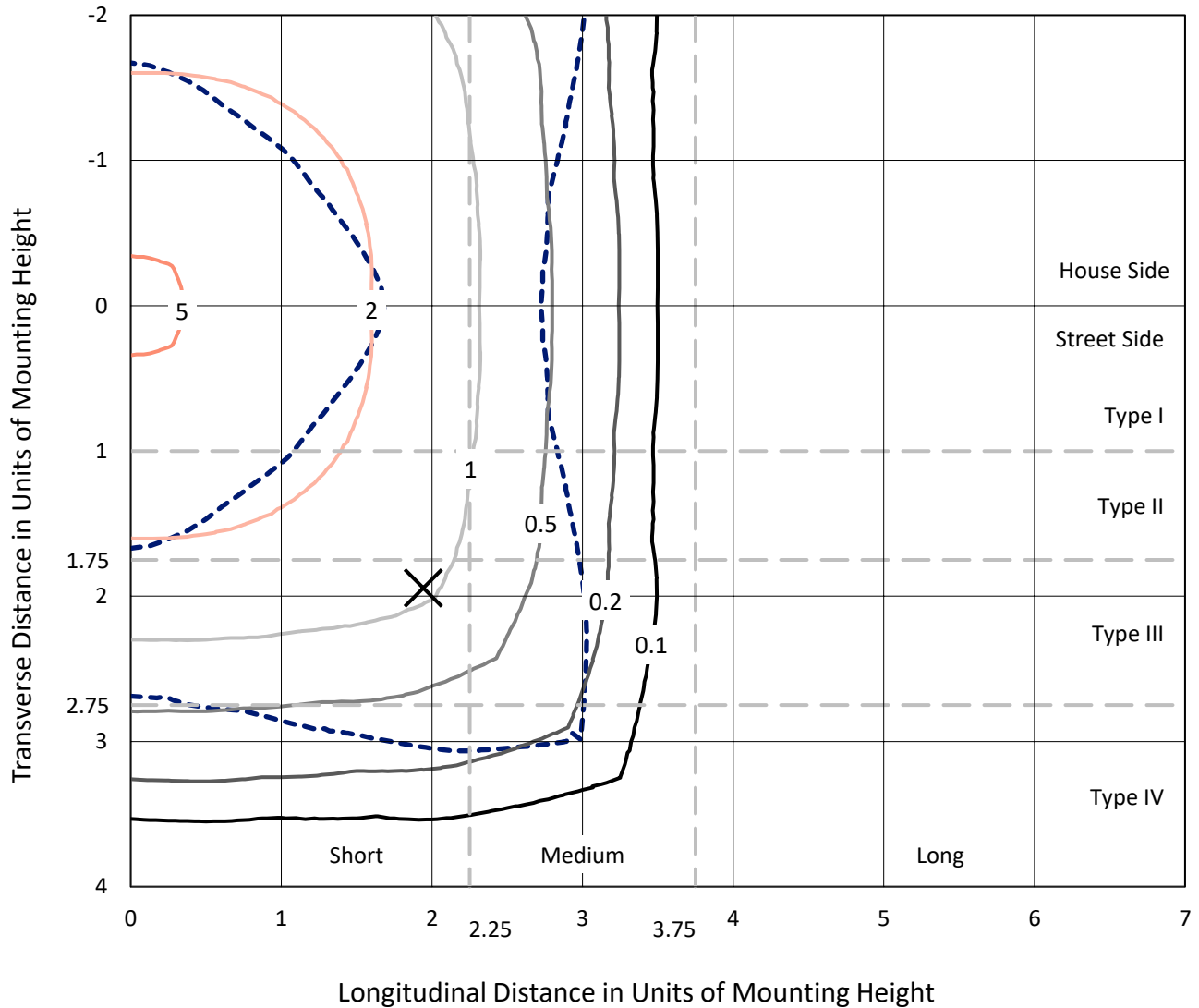
Lumens per Lamp: N/A  
Luminaire Lumens: 35761 lumens  
Efficiency: N/A  
Efficacy: 162.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

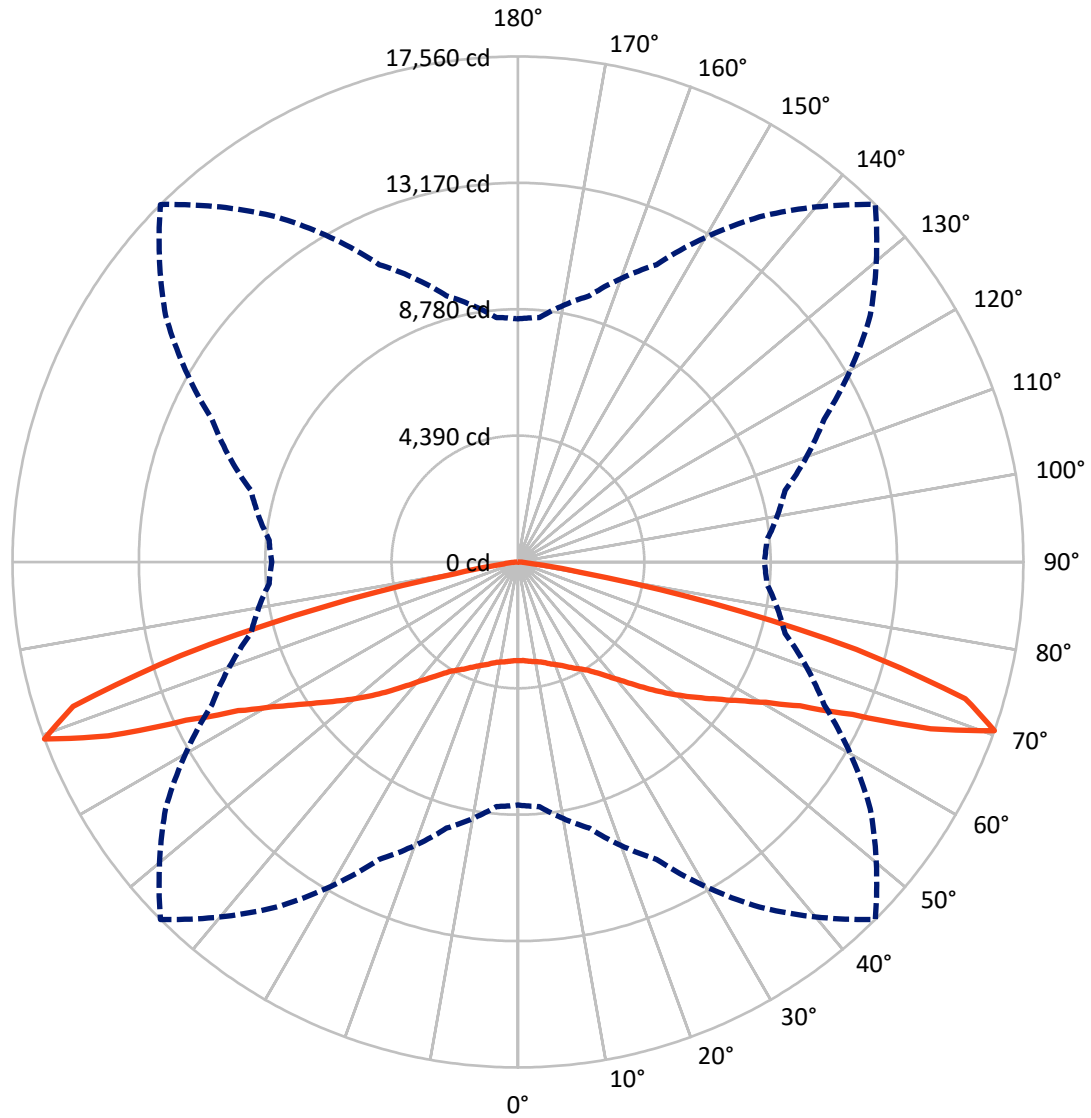
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17880.5	0.0	17880.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17880.5	0.0	17880.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35761.0	0.0	35761.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.8	0.9
10°-20°	1032.0	2.9
20°-30°	1844.2	5.2
30°-40°	2989.4	8.4
40°-50°	4869.3	13.6
50°-60°	7424.0	20.8
60°-70°	11044.6	30.9
70°-80°	6019.7	16.8
80°-90°	205.0	0.6
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°	35761.0	100.0
0°-180°	35761.0	100.0

**Coefficient of Utilization**



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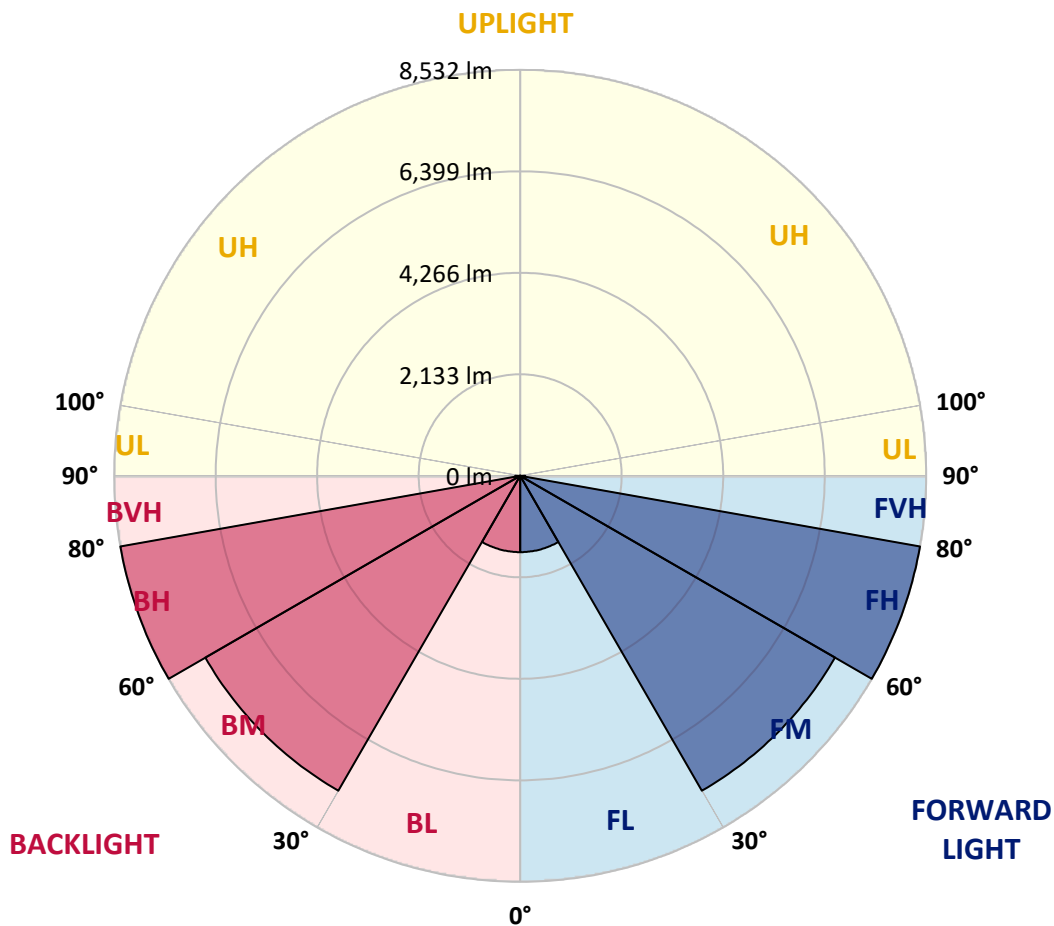
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1604.5	4.5			
FM (30°-60°)	7641.4	21.4			
FH (60°-80°)	8532.1	23.9			G4/12000
FVH (80°-90°)	102.5	0.3			G2/225
BL (0°-30°)	1604.5	4.5	B3/2500		
BM (30°-60°)	7641.4	21.4	B4/8500		
BH (60°-80°)	8532.1	23.9	B5		G4/12000
BVH (80°-90°)	102.5	0.3			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°	3425.5	3425.5	3425.5	3425.5	3425.5	3425.5	3425.5	3425.5	3425.5	3425.5
2.5°	3441.7	3445.3	3438.1	3434.5	3430.9	3425.5	3427.3	3436.3	3443.5	3441.7
5°	3470.4	3474.0	3468.6	3466.8	3459.6	3457.9	3457.9	3466.8	3472.2	3468.6
7.5°	3502.7	3508.1	3499.1	3497.3	3493.8	3490.2	3488.4	3497.3	3502.7	3502.7
10°	3533.3	3538.6	3531.5	3526.1	3522.5	3522.5	3518.9	3526.1	3535.1	3533.3
12.5°	3565.6	3569.2	3562.0	3558.4	3558.4	3563.8	3558.4	3562.0	3569.2	3565.6
15°	3605.1	3606.9	3605.1	3610.5	3619.4	3637.4	3621.2	3617.6	3621.2	3612.3
17.5°	3658.9	3662.5	3669.7	3682.3	3694.8	3727.2	3698.4	3689.5	3689.5	3671.5
20°	3725.4	3730.7	3741.5	3763.1	3779.2	3809.7	3781.0	3768.4	3763.1	3739.7
22.5°	3795.4	3804.4	3820.5	3849.2	3878.0	3906.7	3878.0	3856.4	3840.3	3809.7
25°	3876.2	3886.9	3912.1	3958.8	3998.3	4039.5	4005.4	3962.3	3930.0	3886.9
27.5°	3991.1	4003.6	4034.2	4091.6	4141.9	4177.8	4145.5	4089.8	4044.9	3992.9
30°	4152.7	4165.2	4201.1	4262.2	4296.3	4319.6	4298.1	4255.0	4201.1	4141.9
32.5°	4360.9	4377.1	4416.6	4474.0	4481.2	4484.8	4477.6	4456.1	4416.6	4344.8
35°	4624.8	4642.8	4687.7	4734.3	4727.2	4734.3	4723.6	4716.4	4687.7	4605.1
37.5°	4948.0	4969.5	5016.2	5052.1	5034.2	5025.2	5027.0	5028.8	5012.6	4921.1
40°	5323.2	5351.9	5386.1	5423.8	5393.2	5366.3	5384.3	5398.6	5384.3	5290.9
42.5°	5709.2	5750.5	5786.4	5840.3	5815.1	5781.0	5806.2	5822.3	5791.8	5691.3
45°	6138.3	6177.8	6224.5	6305.3	6287.3	6251.4	6287.3	6290.9	6238.9	6120.4
47.5°	6581.8	6623.1	6693.1	6800.8	6793.6	6754.1	6800.8	6775.7	6709.2	6567.4
50°	7001.9	7059.3	7167.0	7317.9	7332.2	7283.7	7346.6	7298.1	7186.8	7009.1
52.5°	7396.9	7457.9	7628.5	7833.1	7885.2	7822.4	7906.7	7822.4	7655.4	7427.4
55°	7811.6	7879.8	8082.7	8350.2	8454.3	8407.6	8486.6	8359.2	8122.2	7845.7
57.5°	8299.9	8341.2	8583.6	8901.4	9077.3	9088.1	9124.0	8908.5	8621.3	8307.1
60°	8829.5	8887.0	9150.9	9531.5	9809.8	9899.6	9861.9	9542.3	9208.4	8847.5
62.5°	9508.2	9571.0	9887.0	10343.0	10782.9	11005.5	10858.3	10395.1	9982.2	9549.5
65°	10070.1	10140.2	10711.1	11524.4	12325.1	12772.1	12402.3	11549.5	10806.2	10195.8
67.5°	9662.6	9748.8	10644.6	12138.4	14129.4	15463.4	14197.7	12321.5	10865.5	10037.8
70°	8445.3	8526.1	9571.0	11396.9	14637.5	17560.3	14942.7	11732.6	9605.1	8678.7
72.5°	5606.9	5867.2	6924.7	9115.0	13070.2	16249.7	13199.4	8930.1	6423.8	5594.3
75°	1860.0	2068.2	2790.0	4725.4	8754.1	12152.7	8334.0	4181.4	2210.1	1590.7
77.5°	468.6	540.4	745.1	1351.9	3492.0	6919.3	3143.7	1104.1	601.4	420.1
80°	228.0	251.3	359.1	450.6	874.3	2199.3	820.5	423.7	283.7	219.0
82.5°	125.7	127.5	202.9	254.9	325.0	569.1	337.5	247.8	163.4	132.9
85°	77.2	75.4	107.7	136.4	136.4	202.9	161.6	136.4	93.4	82.6
87.5°	30.5	30.5	39.5	43.1	37.7	52.1	41.3	44.9	35.9	34.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3425.5
3443.5
3470.4
3502.7
3533.3
3563.8
3612.3
3671.5
3739.7
3807.9
3885.1
3991.1
4141.9
4346.5
4605.1
4921.1
5290.9
5698.5
6132.9
6558.4
7005.5
7405.8
7808.0
8264.0
8790.0
9474.1
10095.3
9913.9
8554.9
5413.0
1504.5
375.2
201.1
132.9
86.2
35.9
0.0

OF REPORT)