

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: P951319

Luminaire Tested: **GALN-SB5C-735-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951319  
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-SB5C-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

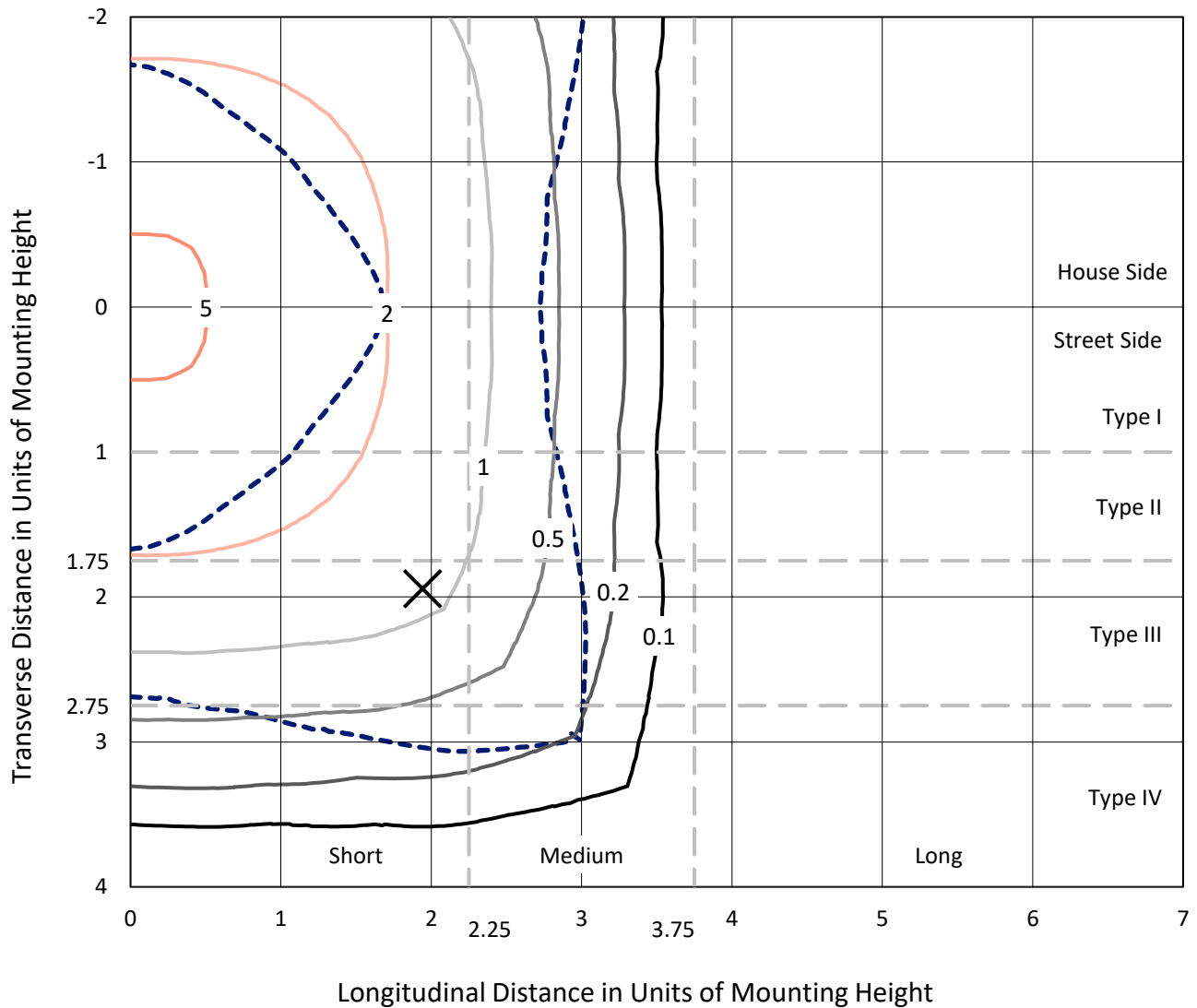
Lumens per Lamp: N/A  
Luminaire Lumens: 39619 lumens  
Efficiency: N/A  
Efficacy: 158.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

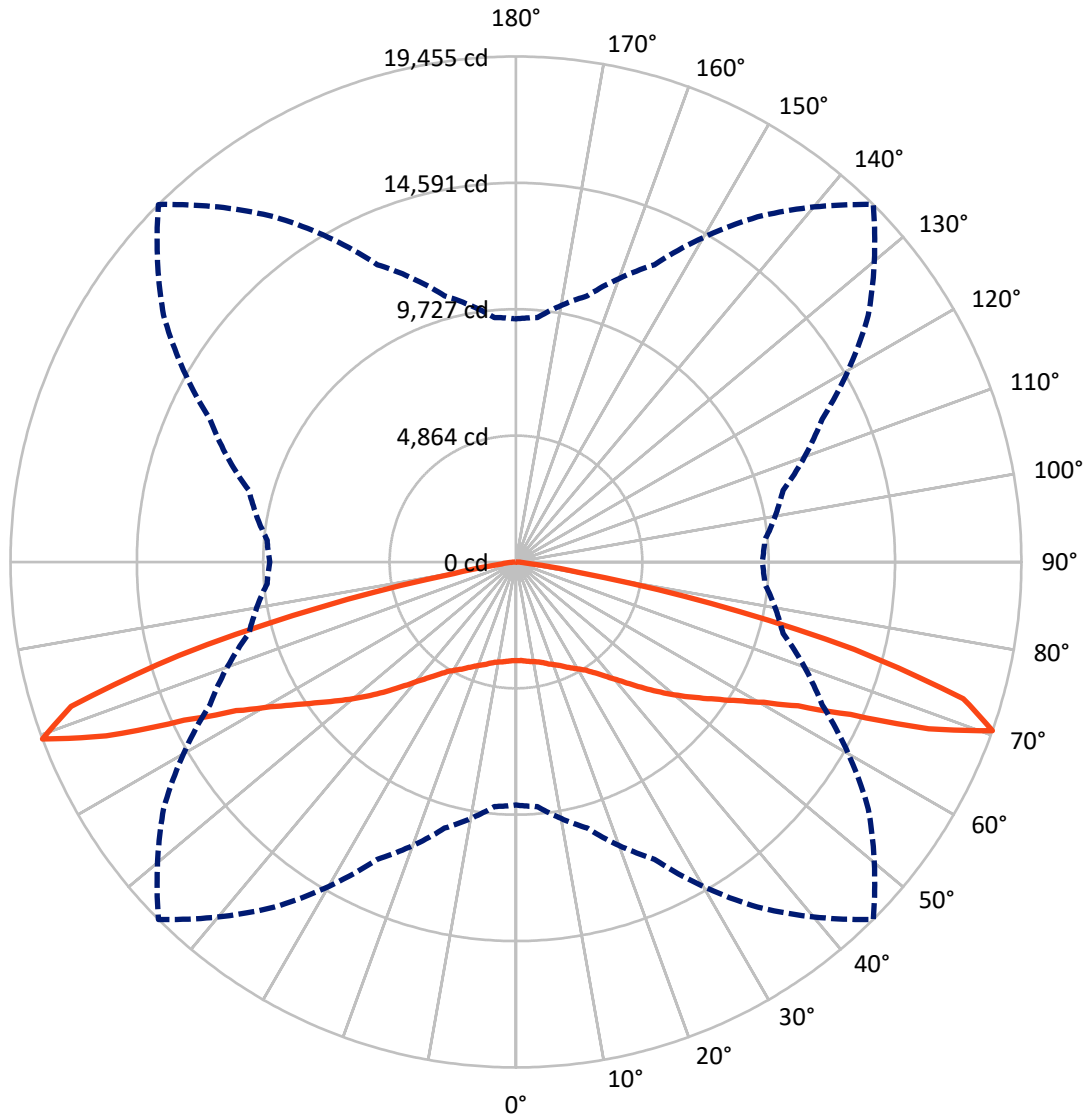
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	19809.5	0.0	19809.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19809.5	0.0	19809.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39619.0	0.0	39619.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.7	0.9
10°-20°	1143.3	2.9
20°-30°	2043.2	5.2
30°-40°	3311.9	8.4
40°-50°	5394.6	13.6
50°-60°	8225.0	20.8
60°-70°	12236.1	30.9
70°-80°	6669.1	16.8
80°-90°	227.1	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°	39619.0	100.0
0°-180°	39619.0	100.0



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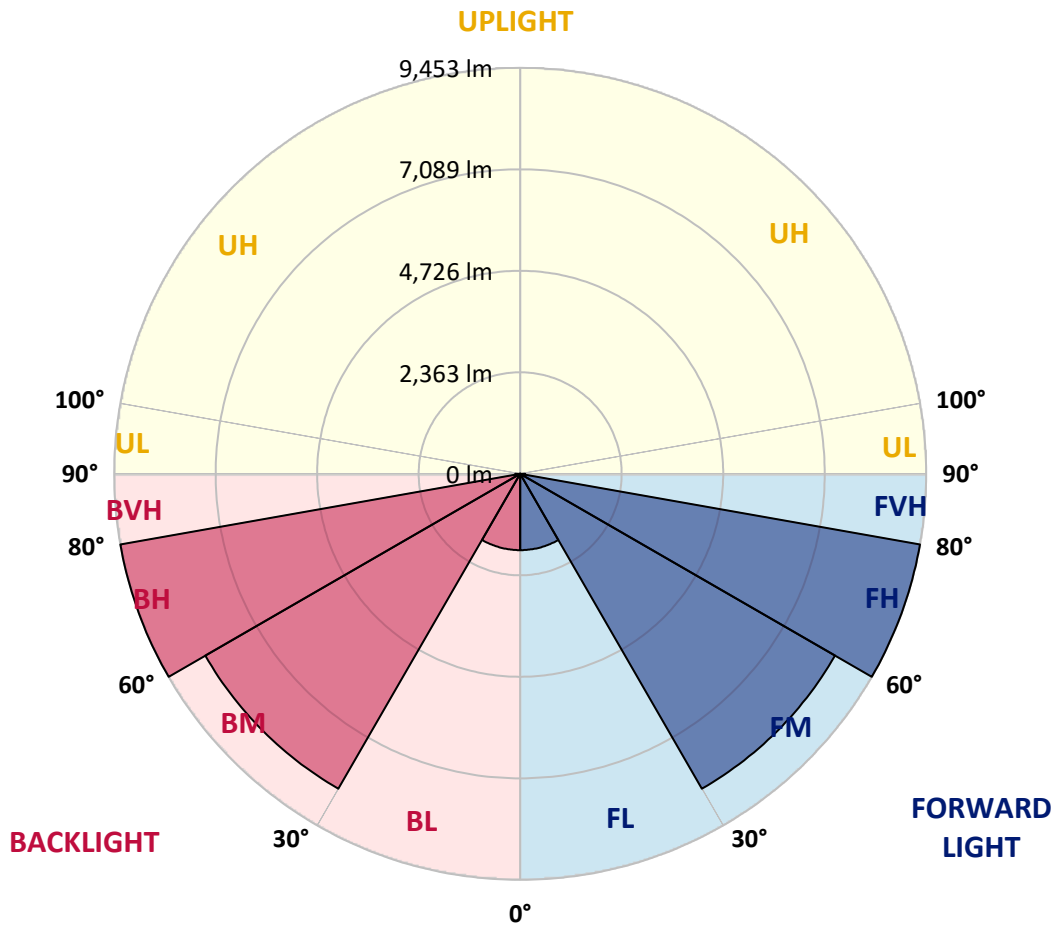
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1777.6	4.5			
FM (30°-60°)	8465.8	21.4			
FH (60°-80°)	9452.6	23.9			G4/12000
FVH (80°-90°)	113.6	0.3			G2/225
BL (0°-30°)	1777.6	4.5	B3/2500		
BM (30°-60°)	8465.8	21.4	B4/8500		
BH (60°-80°)	9452.6	23.9	B5		G4/12000
BVH (80°-90°)	113.6	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°	3795.1	3795.1	3795.1	3795.1	3795.1	3795.1	3795.1	3795.1	3795.1	3795.1
2.5°	3813.0	3817.0	3809.0	3805.0	3801.1	3795.1	3797.1	3807.0	3815.0	3813.0
5°	3844.8	3848.8	3842.8	3840.8	3832.9	3830.9	3830.9	3840.8	3846.8	3842.8
7.5°	3880.6	3886.6	3876.6	3874.7	3870.7	3866.7	3864.7	3874.7	3880.6	3880.6
10°	3914.4	3920.4	3912.4	3906.5	3902.5	3902.5	3898.5	3906.5	3916.4	3914.4
12.5°	3950.2	3954.2	3946.3	3942.3	3942.3	3948.2	3942.3	3946.3	3954.2	3950.2
15°	3994.0	3996.0	3994.0	4000.0	4009.9	4029.8	4011.9	4007.9	4011.9	4002.0
17.5°	4053.7	4057.6	4065.6	4079.5	4093.4	4129.2	4097.4	4087.5	4087.5	4067.6
20°	4127.3	4133.2	4145.2	4169.0	4186.9	4220.7	4188.9	4175.0	4169.0	4143.2
22.5°	4204.8	4214.8	4232.7	4264.5	4296.3	4328.2	4296.3	4272.5	4254.6	4220.7
25°	4294.3	4306.3	4334.1	4385.8	4429.6	4475.3	4437.6	4389.8	4354.0	4306.3
27.5°	4421.6	4435.6	4469.4	4533.0	4588.7	4628.5	4592.7	4531.0	4481.3	4423.6
30°	4600.7	4614.6	4654.4	4722.0	4759.8	4785.6	4761.8	4714.0	4654.4	4588.7
32.5°	4831.4	4849.3	4893.0	4956.7	4964.6	4968.6	4960.7	4936.8	4893.0	4813.5
35°	5123.8	5143.7	5193.4	5245.1	5237.1	5245.1	5233.2	5225.2	5193.4	5101.9
37.5°	5481.8	5505.7	5557.4	5597.2	5577.3	5567.3	5569.3	5571.3	5553.4	5452.0
40°	5897.5	5929.3	5967.1	6008.9	5975.1	5945.2	5965.1	5981.0	5965.1	5861.7
42.5°	6325.2	6370.9	6410.7	6470.4	6442.5	6404.7	6432.6	6450.5	6416.6	6305.3
45°	6800.5	6844.3	6896.0	6985.5	6965.6	6925.8	6965.6	6969.6	6911.9	6780.6
47.5°	7291.8	7337.6	7415.1	7534.5	7526.5	7482.8	7534.5	7506.6	7433.0	7275.9
50°	7757.3	7820.9	7940.3	8107.3	8123.2	8069.5	8139.2	8085.5	7962.1	7765.2
52.5°	8194.8	8262.5	8451.4	8678.2	8735.9	8666.3	8759.7	8666.3	8481.3	8228.7
55°	8654.3	8729.9	8954.7	9251.0	9366.4	9314.7	9402.2	9261.0	8998.4	8692.1
57.5°	9195.3	9241.1	9509.6	9861.7	10056.6	10068.5	10108.3	9869.6	9551.4	9203.3
60°	9782.1	9845.8	10138.1	10559.8	10868.1	10967.6	10925.8	10571.8	10201.8	9802.0
62.5°	10534.0	10603.6	10953.6	11458.9	11946.2	12192.8	12029.7	11516.5	11059.1	10579.7
65°	11156.5	11234.1	11866.6	12767.7	13654.8	14150.0	13740.3	12795.5	11972.0	11295.8
67.5°	10705.0	10800.5	11793.0	13447.9	15653.8	17131.6	15729.3	13650.8	12037.7	11120.7
70°	9356.4	9446.0	10603.6	12626.4	16216.7	19454.8	16554.8	12998.4	10641.4	9615.0
72.5°	6211.8	6500.2	7671.7	10098.4	14480.2	18002.8	14623.4	9893.5	7116.8	6197.9
75°	2060.6	2291.4	3091.0	5235.2	9698.6	13463.8	9233.1	4632.5	2448.5	1762.3
77.5°	519.1	598.7	825.5	1497.7	3868.7	7665.8	3482.8	1223.3	666.3	465.4
80°	252.6	278.5	397.8	499.2	968.7	2436.6	909.0	469.4	314.3	242.7
82.5°	139.2	141.2	224.8	282.4	360.0	630.5	373.9	274.5	181.0	147.2
85°	85.5	83.5	119.3	151.2	151.2	224.8	179.0	151.2	103.4	91.5
87.5°	33.8	33.8	43.8	47.7	41.8	57.7	45.7	49.7	39.8	37.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3795.1
3815.0
3844.8
3880.6
3914.4
3948.2
4002.0
4067.6
4143.2
4218.8
4304.3
4421.6
4588.7
4815.5
5101.9
5452.0
5861.7
6313.2
6794.6
7266.0
7761.2
8204.8
8650.3
9155.6
9738.3
10496.2
11184.4
10983.5
9477.8
5997.0
1666.8
415.7
222.8
147.2
95.5
39.8
0.0

OF REPORT)