

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: P949912

Luminaire Tested: **GALN-SB4C-740-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949912  
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-SB4C-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

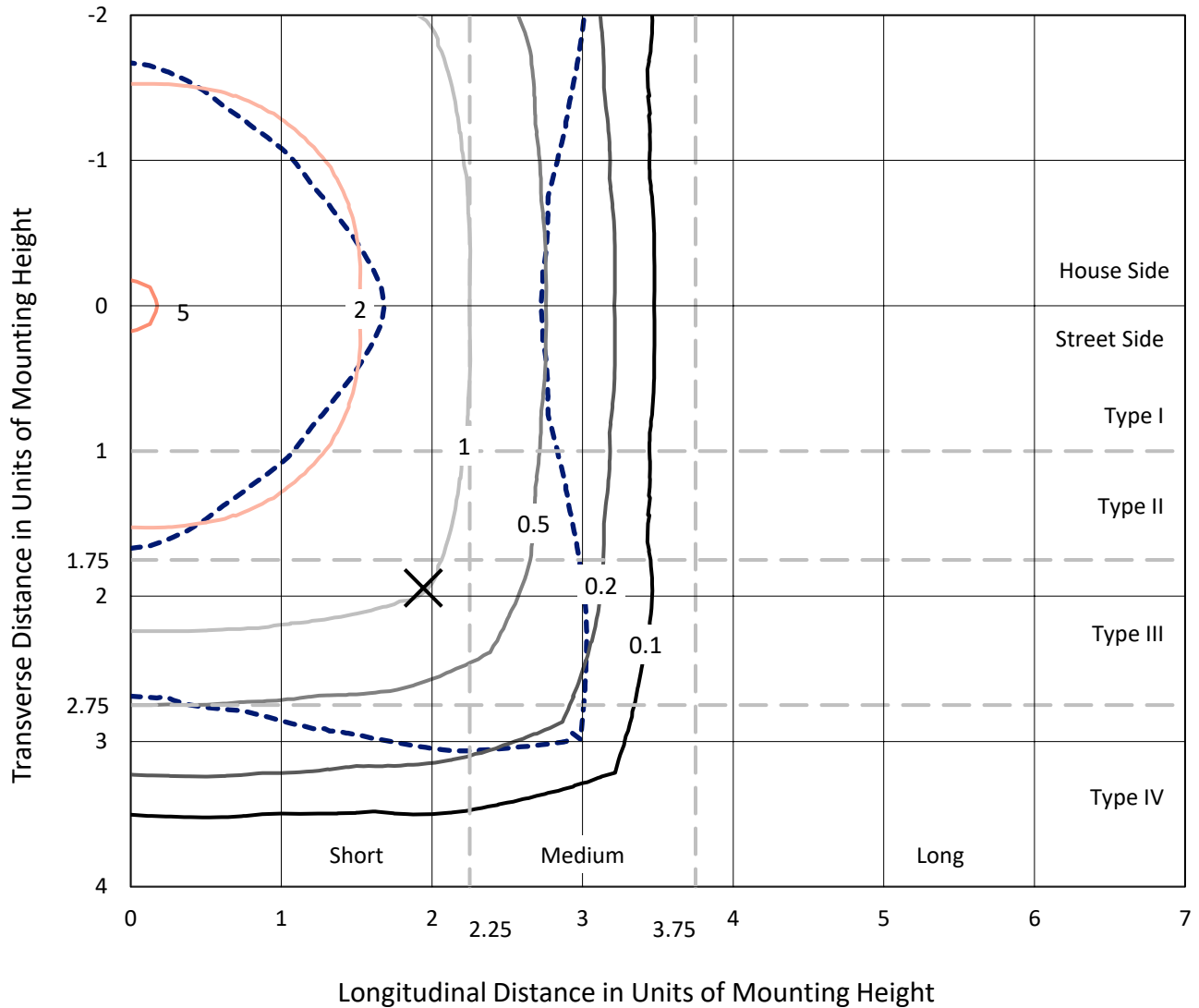
Lumens per Lamp: N/A  
Luminaire Lumens: 33255 lumens  
Efficiency: N/A  
Efficacy: 165.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

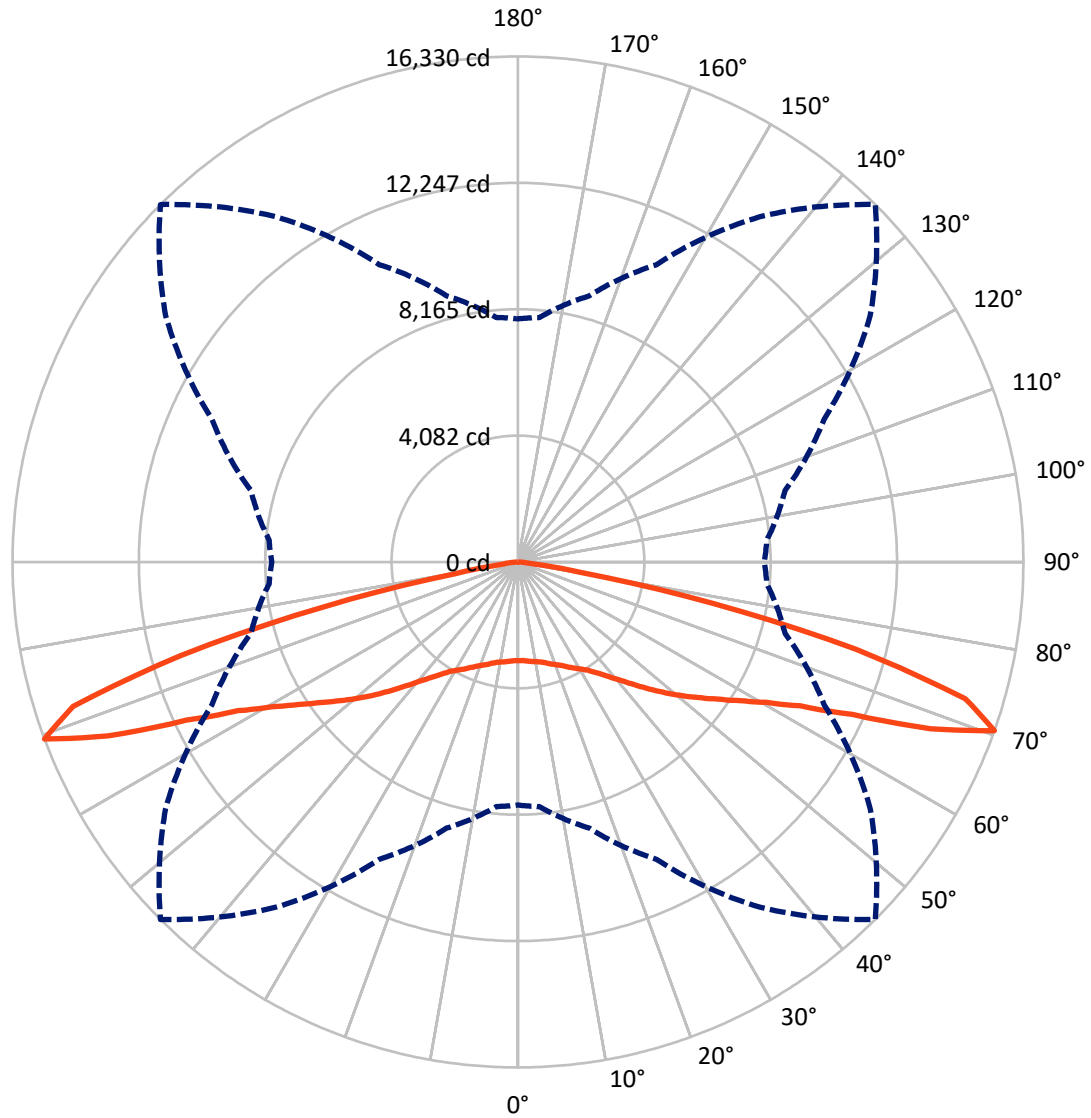
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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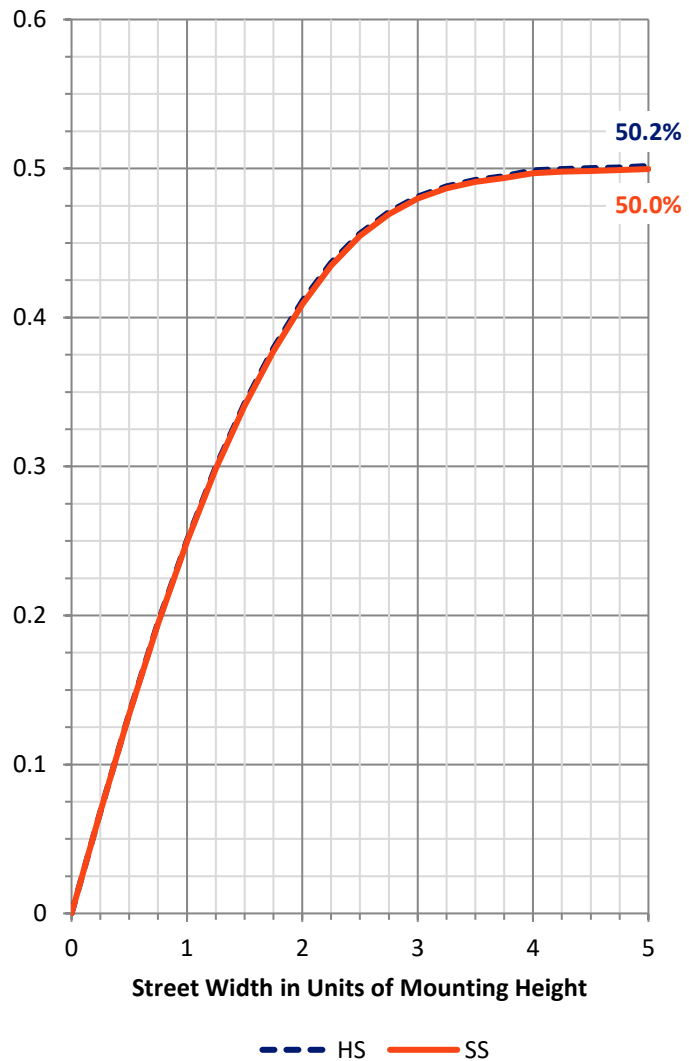
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16627.5	0.0	16627.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16627.5	0.0	16627.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33255.0	0.0	33255.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.5	0.9
10°-20°	959.6	2.9
20°-30°	1715.0	5.2
30°-40°	2780.0	8.4
40°-50°	4528.1	13.6
50°-60°	6903.8	20.8
60°-70°	10270.7	30.9
70°-80°	5597.8	16.8
80°-90°	190.6	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°	33255.0	100.0
0°-180°	33255.0	100.0



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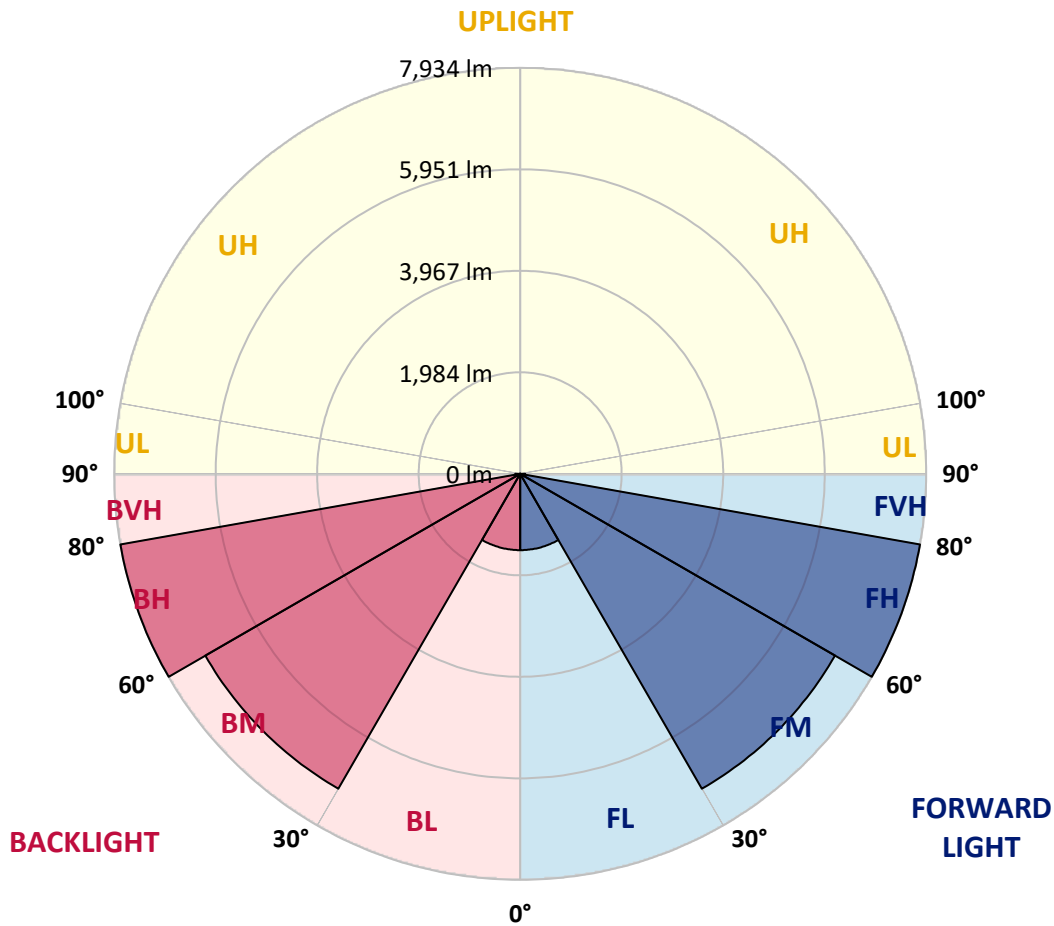
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1492.0	4.5			
FM (30°-60°)	7105.9	21.4			
FH (60°-80°)	7934.3	23.9			G4/12000
FVH (80°-90°)	95.3	0.3			G1/100
BL (0°-30°)	1492.0	4.5	B3/2500		
BM (30°-60°)	7105.9	21.4	B4/8500		
BH (60°-80°)	7934.3	23.9	B5		G4/12000
BVH (80°-90°)	95.3	0.3			G1/100
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°	3185.5	3185.5	3185.5	3185.5	3185.5	3185.5	3185.5	3185.5	3185.5	3185.5
2.5°	3200.5	3203.8	3197.2	3193.8	3190.5	3185.5	3187.2	3195.5	3202.2	3200.5
5°	3227.2	3230.6	3225.6	3223.9	3217.2	3215.5	3215.5	3223.9	3228.9	3225.6
7.5°	3257.3	3262.3	3253.9	3252.3	3248.9	3245.6	3243.9	3252.3	3257.3	3257.3
10°	3285.7	3290.7	3284.0	3279.0	3275.6	3275.6	3272.3	3279.0	3287.3	3285.7
12.5°	3315.7	3319.0	3312.4	3309.0	3309.0	3314.0	3309.0	3312.4	3319.0	3315.7
15°	3352.4	3354.1	3352.4	3357.4	3365.8	3382.5	3367.5	3364.1	3367.5	3359.1
17.5°	3402.5	3405.9	3412.5	3424.2	3435.9	3466.0	3439.3	3430.9	3430.9	3414.2
20°	3464.3	3469.3	3479.3	3499.4	3514.4	3542.8	3516.1	3504.4	3499.4	3477.7
22.5°	3529.4	3537.8	3552.8	3579.5	3606.2	3632.9	3606.2	3586.2	3571.1	3542.8
25°	3604.5	3614.6	3637.9	3681.3	3718.1	3756.5	3724.7	3684.7	3654.6	3614.6
27.5°	3711.4	3723.1	3751.5	3804.9	3851.6	3885.0	3855.0	3803.2	3761.5	3713.1
30°	3861.6	3873.3	3906.7	3963.5	3995.2	4016.9	3996.9	3956.8	3906.7	3851.6
32.5°	4055.3	4070.3	4107.1	4160.5	4167.2	4170.5	4163.8	4143.8	4107.1	4040.3
35°	4300.7	4317.4	4359.2	4402.6	4395.9	4402.6	4392.6	4385.9	4359.2	4282.4
37.5°	4601.3	4621.3	4664.7	4698.1	4681.4	4673.0	4674.7	4676.4	4661.4	4576.2
40°	4950.2	4976.9	5008.6	5043.7	5015.3	4990.3	5007.0	5020.3	5007.0	4920.1
42.5°	5309.1	5347.5	5380.9	5431.0	5407.6	5375.9	5399.3	5414.3	5385.9	5292.4
45°	5708.2	5744.9	5788.3	5863.4	5846.7	5813.3	5846.7	5850.1	5801.7	5691.5
47.5°	6120.5	6158.9	6224.0	6324.2	6317.5	6280.8	6324.2	6300.8	6239.1	6107.2
50°	6511.2	6564.6	6664.8	6805.1	6818.4	6773.3	6831.8	6786.7	6683.2	6517.9
52.5°	6878.5	6935.3	7093.9	7284.2	7332.6	7274.2	7352.7	7274.2	7118.9	6906.9
55°	7264.2	7327.6	7516.3	7765.0	7861.9	7818.5	7891.9	7773.4	7553.0	7295.9
57.5°	7718.3	7756.7	7982.1	8277.6	8441.2	8451.2	8484.6	8284.3	8017.1	7725.0
60°	8210.8	8264.2	8509.7	8863.6	9122.4	9205.9	9170.8	8873.6	8563.1	8227.5
62.5°	8841.9	8900.3	9194.2	9618.2	10027.3	10234.3	10097.4	9666.6	9282.6	8880.3
65°	9364.5	9429.6	9960.5	10716.8	11461.4	11877.1	11533.2	10740.2	10049.0	9481.3
67.5°	8985.5	9065.6	9898.7	11287.8	13139.3	14379.8	13202.7	11458.1	10104.1	9334.4
70°	7853.5	7928.7	8900.3	10598.2	13611.8	16329.8	13895.6	10910.5	8932.0	8070.6
72.5°	5214.0	5456.1	6439.4	8476.3	12154.3	15111.0	12274.5	8304.3	5973.6	5202.3
75°	1729.6	1923.3	2594.5	4394.2	8140.7	11301.1	7750.0	3888.4	2055.2	1479.2
77.5°	435.8	502.5	692.9	1257.2	3247.3	6434.4	2923.4	1026.8	559.3	390.7
80°	212.0	233.7	333.9	419.1	813.1	2045.2	763.0	394.0	263.8	203.7
82.5°	116.9	118.5	188.7	237.1	302.2	529.2	313.9	230.4	151.9	123.5
85°	71.8	70.1	100.2	126.9	126.9	188.7	150.3	126.9	86.8	76.8
87.5°	28.4	28.4	36.7	40.1	35.1	48.4	38.4	41.7	33.4	31.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3185.5
3202.2
3227.2
3257.3
3285.7
3314.0
3359.1
3414.2
3477.7
3541.1
3612.9
3711.4
3851.6
4042.0
4282.4
4576.2
4920.1
5299.1
5703.2
6098.8
6514.6
6886.9
7260.8
7684.9
8174.1
8810.2
9387.8
9219.2
7955.4
5033.7
1399.1
348.9
187.0
123.5
80.1
33.4
0.0

OF REPORT)