

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: P951424

Luminaire Tested: **GALN-SB5C-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951424  
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-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

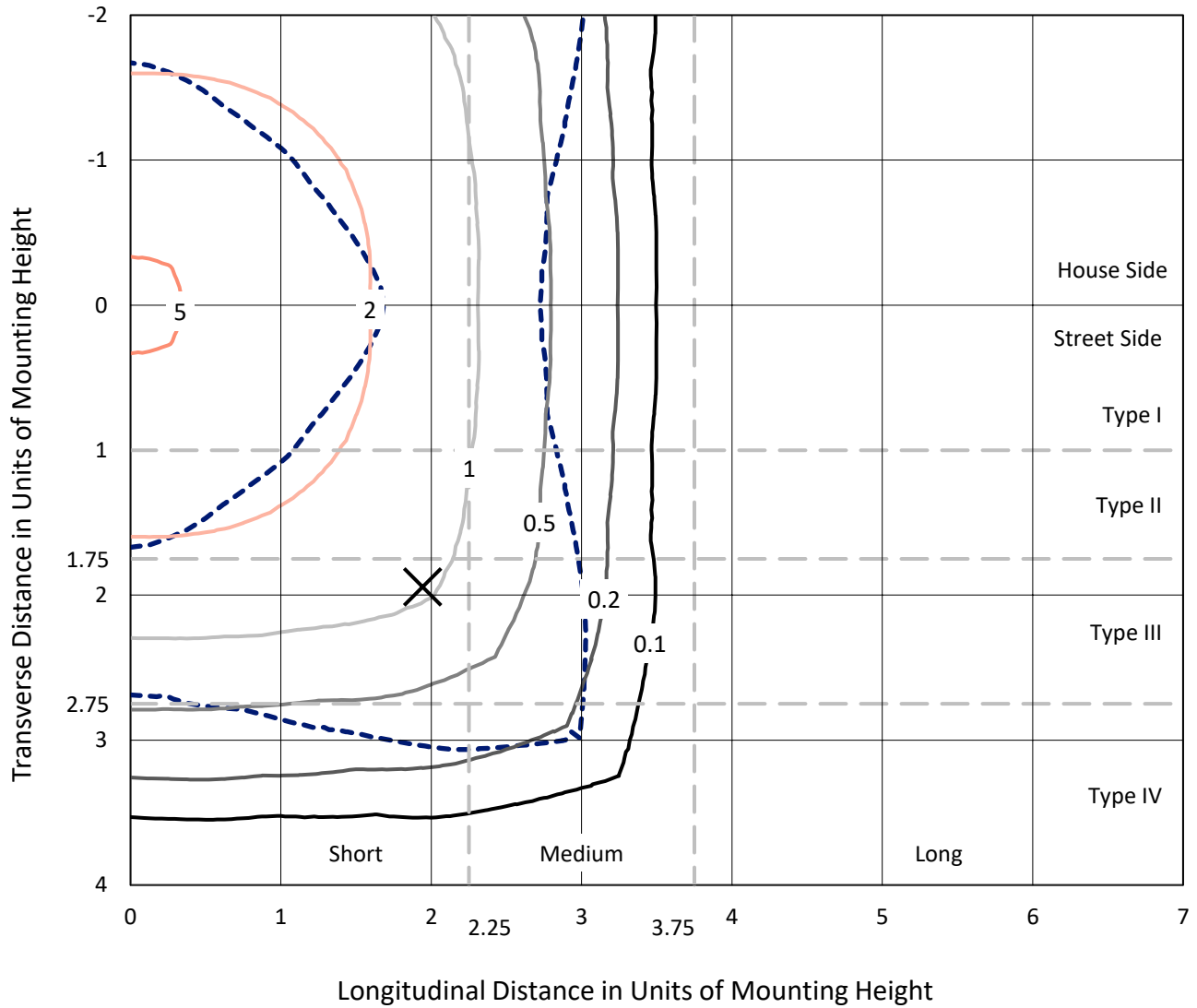
Lumens per Lamp: N/A  
Luminaire Lumens: 35599 lumens  
Efficiency: N/A  
Efficacy: 142.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

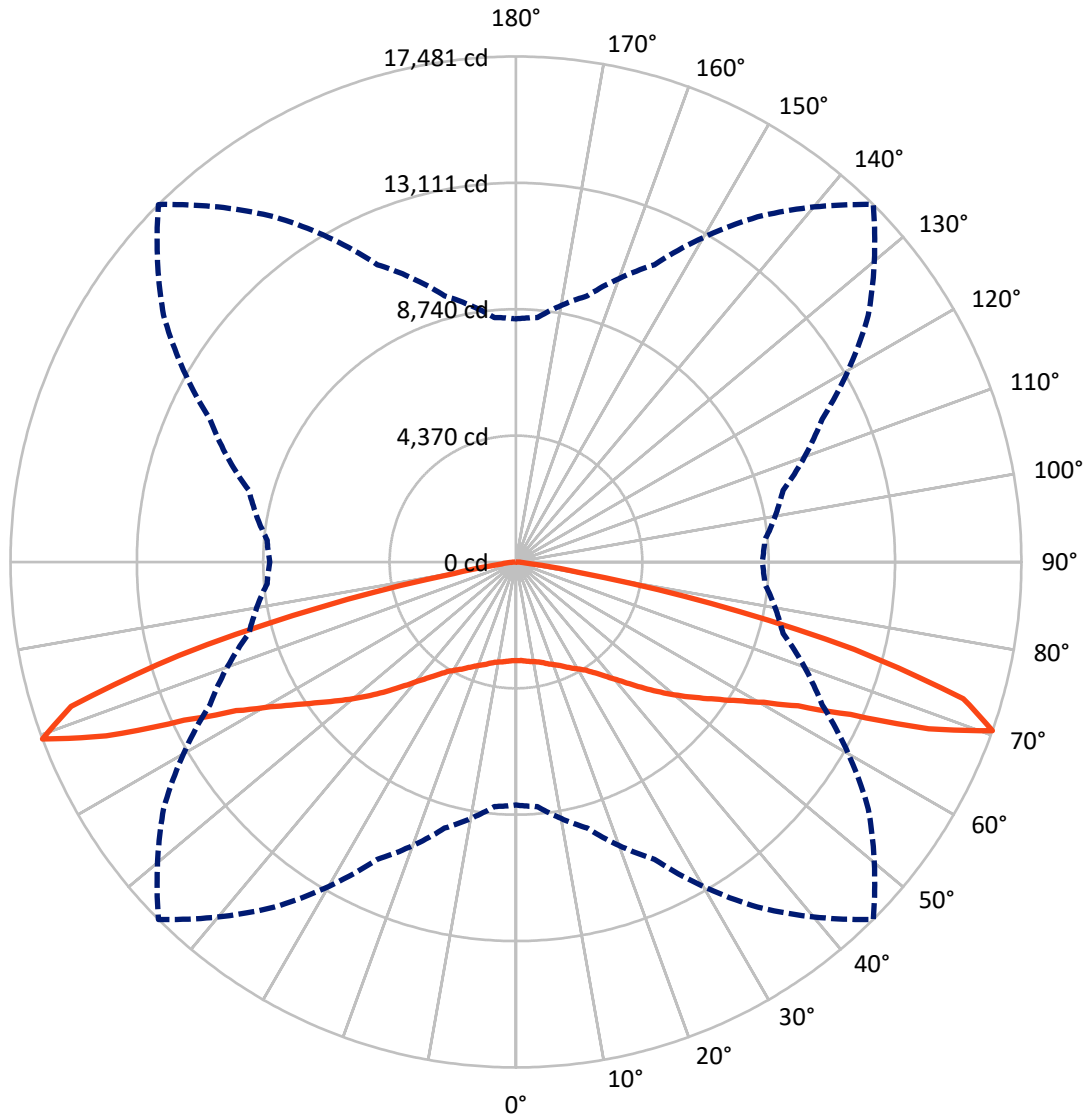
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	17799.5	0.0	17799.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17799.5	0.0	17799.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35599.0	0.0	35599.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.3	0.9
10°-20°	1027.3	2.9
20°-30°	1835.9	5.2
30°-40°	2975.9	8.4
40°-50°	4847.2	13.6
50°-60°	7390.4	20.8
60°-70°	10994.6	30.9
70°-80°	5992.4	16.8
80°-90°	204.1	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°	35599.0	100.0
0°-180°	35599.0	100.0

**Coefficient of Utilization**



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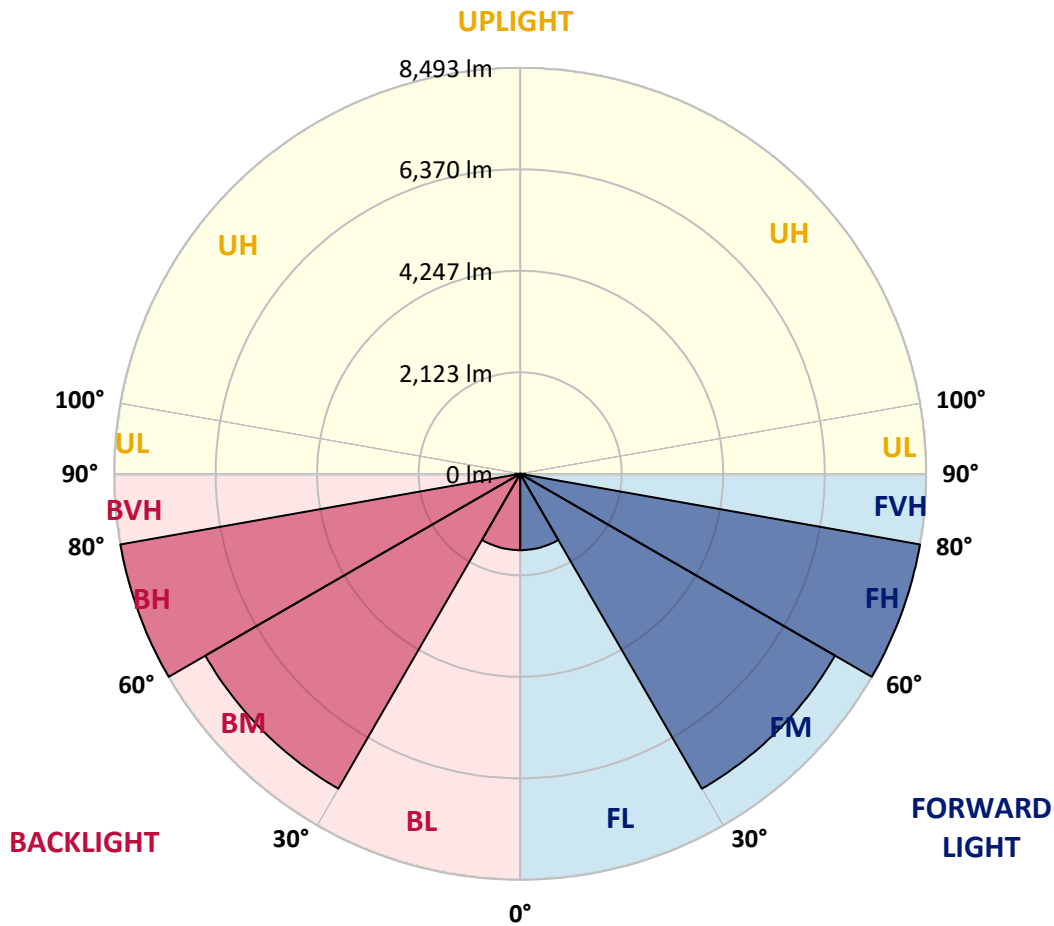
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1597.2	4.5			
FM (30°-60°)	7606.8	21.4			
FH (60°-80°)	8493.5	23.9			G4/12000
FVH (80°-90°)	102.0	0.3			G2/225
BL (0°-30°)	1597.2	4.5	B3/2500		
BM (30°-60°)	7606.8	21.4	B4/8500		
BH (60°-80°)	8493.5	23.9	B5		G4/12000
BVH (80°-90°)	102.0	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°	3410.0	3410.0	3410.0	3410.0	3410.0	3410.0	3410.0	3410.0	3410.0	3410.0
2.5°	3426.1	3429.7	3422.5	3419.0	3415.4	3410.0	3411.8	3420.7	3427.9	3426.1
5°	3454.7	3458.3	3452.9	3451.1	3444.0	3442.2	3442.2	3451.1	3456.5	3452.9
7.5°	3486.9	3492.2	3483.3	3481.5	3477.9	3474.4	3472.6	3481.5	3486.9	3486.9
10°	3517.2	3522.6	3515.5	3510.1	3506.5	3506.5	3503.0	3510.1	3519.0	3517.2
12.5°	3549.4	3553.0	3545.8	3542.3	3542.3	3547.6	3542.3	3545.8	3553.0	3549.4
15°	3588.7	3590.5	3588.7	3594.1	3603.0	3620.9	3604.8	3601.2	3604.8	3595.9
17.5°	3642.4	3645.9	3653.1	3665.6	3678.1	3710.3	3681.7	3672.7	3672.7	3654.9
20°	3708.5	3713.8	3724.6	3746.0	3762.1	3792.5	3763.9	3751.4	3746.0	3722.8
22.5°	3778.2	3787.1	3803.2	3831.8	3860.4	3889.0	3860.4	3838.9	3822.9	3792.5
25°	3858.6	3869.3	3894.4	3940.8	3980.1	4021.2	3987.3	3944.4	3912.2	3869.3
27.5°	3973.0	3985.5	4015.9	4073.1	4123.1	4158.9	4126.7	4071.3	4026.6	3974.8
30°	4133.8	4146.4	4182.1	4242.9	4276.8	4300.1	4278.6	4235.7	4182.1	4123.1
32.5°	4341.2	4357.2	4396.6	4453.8	4460.9	4464.5	4457.3	4435.9	4396.6	4325.1
35°	4603.9	4621.8	4666.4	4712.9	4705.8	4712.9	4702.2	4695.0	4666.4	4584.2
37.5°	4925.6	4947.0	4993.5	5029.2	5011.4	5002.4	5004.2	5006.0	4989.9	4898.8
40°	5299.1	5327.7	5361.7	5399.2	5368.8	5342.0	5359.9	5374.2	5359.9	5266.9
42.5°	5683.4	5724.5	5760.2	5813.8	5788.8	5754.8	5779.9	5796.0	5765.6	5665.5
45°	6110.5	6149.8	6196.3	6276.7	6258.8	6223.1	6258.8	6262.4	6210.6	6092.6
47.5°	6551.9	6593.1	6662.8	6770.0	6762.8	6723.5	6770.0	6745.0	6678.8	6537.7
50°	6970.2	7027.3	7134.6	7284.7	7299.0	7250.8	7313.3	7265.0	7154.2	6977.3
52.5°	7363.3	7424.1	7593.9	7797.6	7849.5	7786.9	7870.9	7786.9	7620.7	7393.7
55°	7776.2	7844.1	8046.1	8312.4	8416.0	8369.6	8448.2	8321.3	8085.4	7810.2
57.5°	8262.3	8303.4	8544.7	8861.0	9036.2	9046.9	9082.7	8868.2	8582.2	8269.5
60°	8789.5	8846.7	9109.5	9488.4	9765.4	9854.7	9817.2	9499.1	9166.7	8807.4
62.5°	9465.1	9527.7	9842.2	10296.2	10734.0	10955.7	10809.1	10348.0	9936.9	9506.2
65°	10024.5	10094.2	10662.6	11472.2	12269.3	12714.3	12346.1	11497.2	10757.3	10149.6
67.5°	9618.8	9704.6	10596.4	12083.4	14065.4	15393.3	14133.3	12265.7	10816.3	9992.3
70°	8407.1	8487.5	9527.7	11345.3	14571.2	17480.8	14875.0	11679.5	9561.6	8639.4
72.5°	5581.5	5840.6	6893.3	9073.7	13011.0	16176.1	13139.6	8889.6	6394.7	5569.0
75°	1851.6	2058.9	2777.3	4704.0	8714.5	12097.7	8296.3	4162.4	2200.1	1583.5
77.5°	466.5	538.0	741.7	1345.8	3476.1	6887.9	3129.4	1099.1	598.7	418.2
80°	227.0	250.2	357.4	448.6	870.4	2189.3	816.8	421.8	282.4	218.0
82.5°	125.1	126.9	202.0	253.8	323.5	566.5	336.0	246.6	162.6	132.3
85°	76.9	75.1	107.2	135.8	135.8	202.0	160.8	135.8	92.9	82.2
87.5°	30.4	30.4	39.3	42.9	37.5	51.8	41.1	44.7	35.7	34.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3410.0
3427.9
3454.7
3486.9
3517.2
3547.6
3595.9
3654.9
3722.8
3790.7
3867.5
3973.0
4123.1
4326.9
4584.2
4898.8
5266.9
5672.6
6105.1
6528.7
6973.7
7372.3
7772.6
8226.6
8750.2
9431.2
10049.5
9869.0
8516.1
5388.5
1497.7
373.5
200.2
132.3
85.8
35.7
0.0

OF REPORT)