

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: P952495

Luminaire Tested: **GALN-SB6B-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952495
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-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32133 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

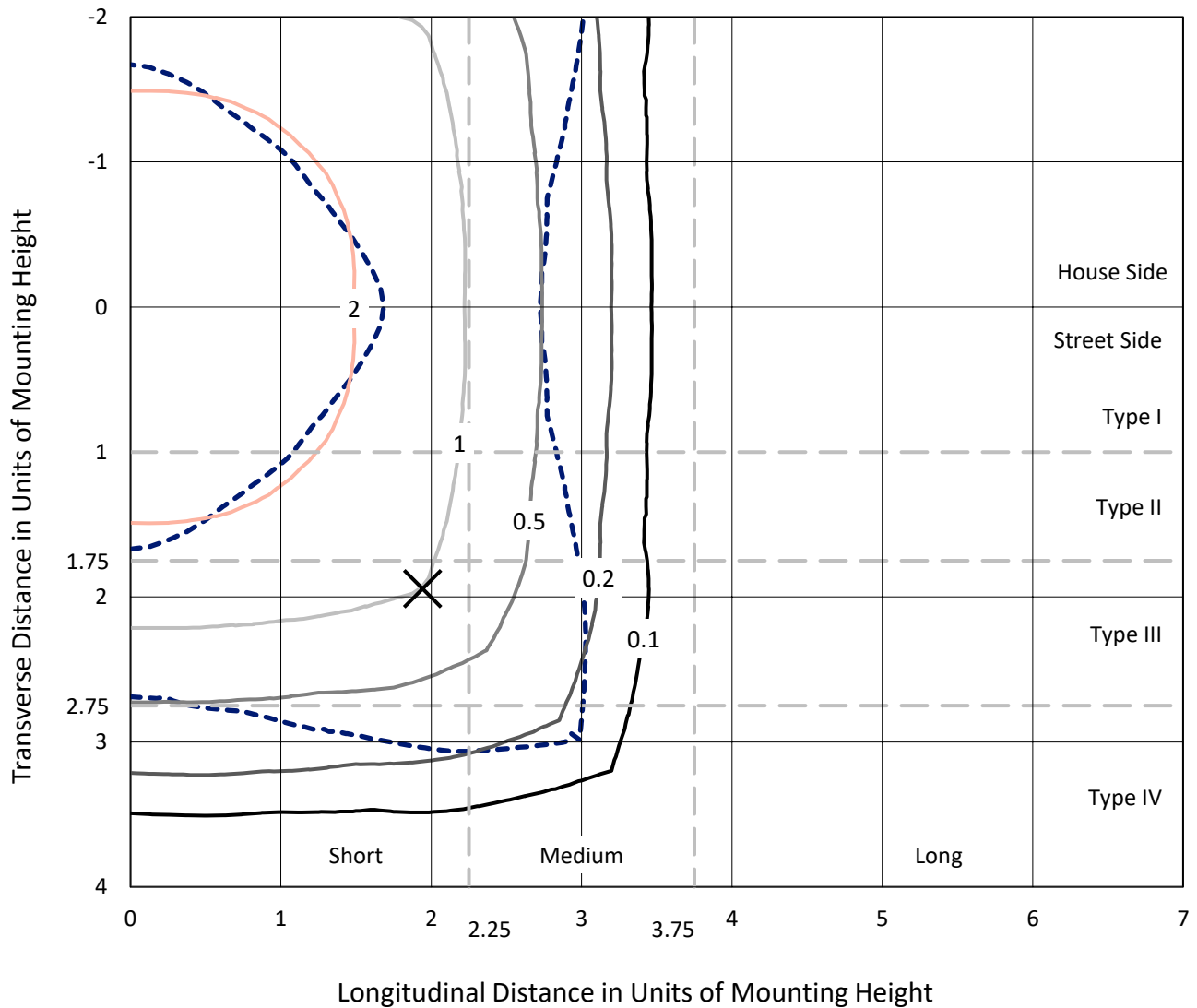
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

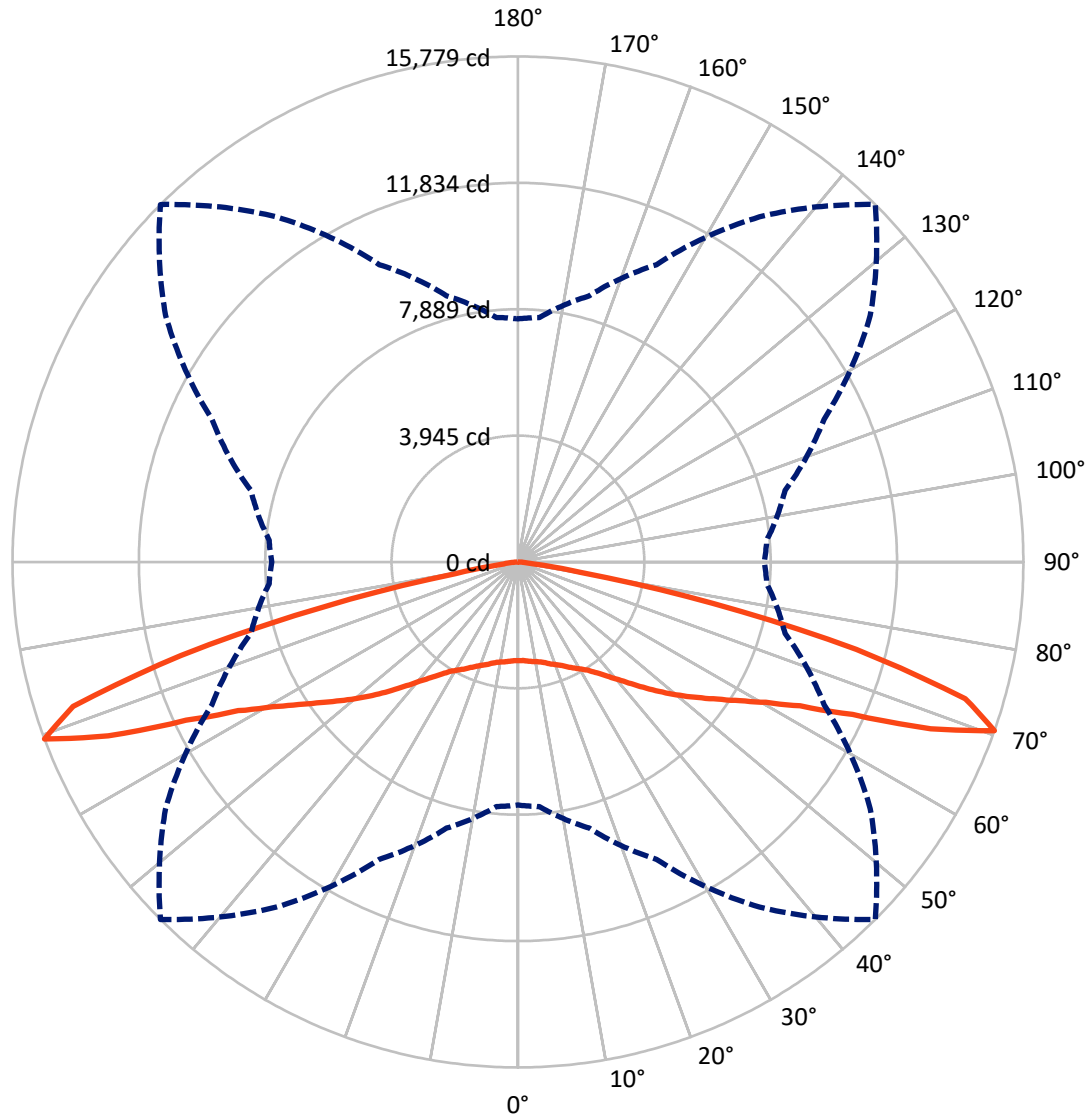
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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
House Side	Lumens	16066.5	0.0	16066.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16066.5	0.0	16066.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32133.0	0.0	32133.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.0	0.9
10°-20°	927.3	2.9
20°-30°	1657.1	5.2
30°-40°	2686.2	8.4
40°-50°	4375.3	13.6
50°-60°	6670.9	20.8
60°-70°	9924.1	30.9
70°-80°	5409.0	16.8
80°-90°	184.2	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°	32133.0	100.0
0°-180°	32133.0	100.0



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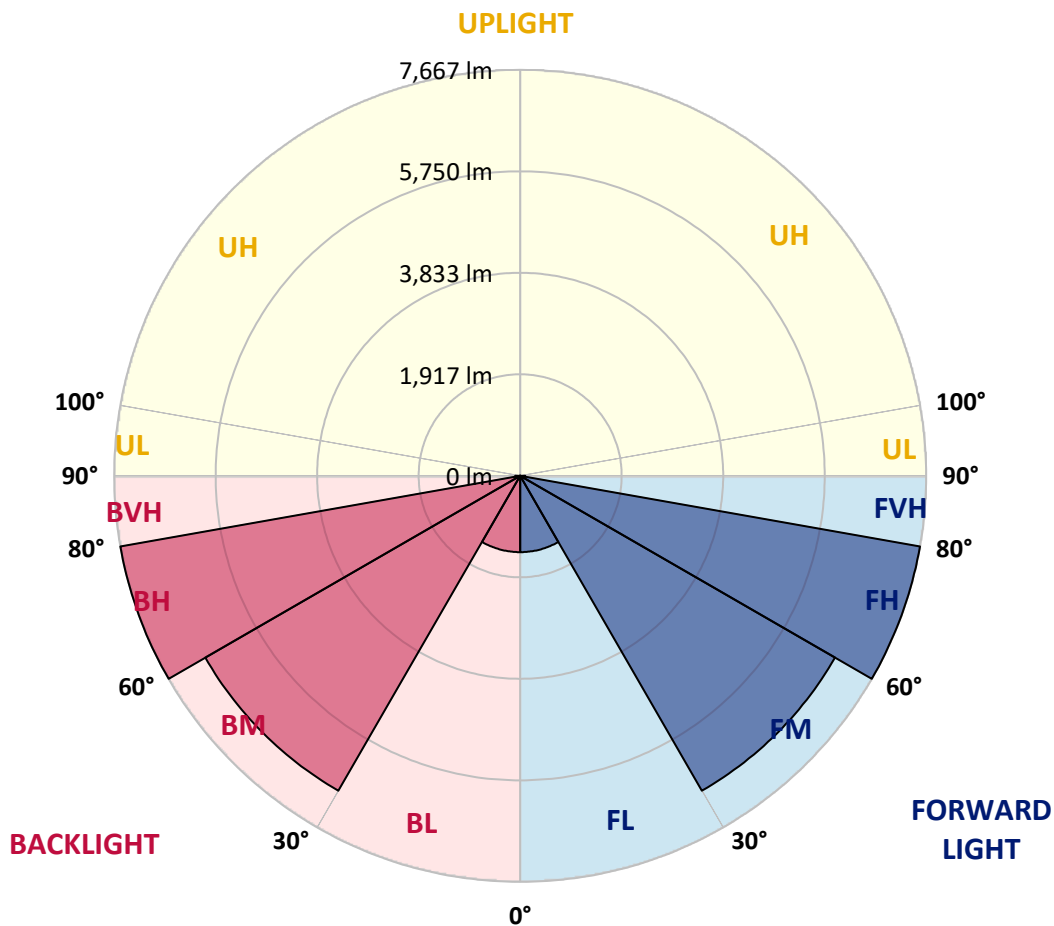
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1441.7	4.5			
FM (30°-60°)	6866.2	21.4			
FH (60°-80°)	7666.5	23.9			G4/12000
FVH (80°-90°)	92.1	0.3			G1/100
BL (0°-30°)	1441.7	4.5	B3/2500		
BM (30°-60°)	6866.2	21.4	B4/8500		
BH (60°-80°)	7666.5	23.9	B5		G4/12000
BVH (80°-90°)	92.1	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°	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0
2.5°	3092.5	3095.8	3089.3	3086.1	3082.8	3078.0	3079.6	3087.7	3094.1	3092.5
5°	3118.3	3121.6	3116.7	3115.1	3108.7	3107.0	3107.0	3115.1	3120.0	3116.7
7.5°	3147.4	3152.2	3144.2	3142.5	3139.3	3136.1	3134.5	3142.5	3147.4	3147.4
10°	3174.8	3179.6	3173.2	3168.3	3165.1	3165.1	3161.9	3168.3	3176.4	3174.8
12.5°	3203.8	3207.1	3200.6	3197.4	3197.4	3202.2	3197.4	3200.6	3207.1	3203.8
15°	3239.3	3240.9	3239.3	3244.2	3252.2	3268.4	3253.8	3250.6	3253.8	3245.8
17.5°	3287.7	3291.0	3297.4	3308.7	3320.0	3349.0	3323.2	3315.2	3315.2	3299.0
20°	3347.4	3352.3	3361.9	3381.3	3395.8	3423.2	3397.4	3386.1	3381.3	3360.3
22.5°	3410.3	3418.4	3432.9	3458.7	3484.5	3510.3	3484.5	3465.2	3450.7	3423.2
25°	3482.9	3492.6	3515.2	3557.1	3592.6	3629.7	3599.1	3560.4	3531.3	3492.6
27.5°	3586.2	3597.5	3624.9	3676.5	3721.7	3753.9	3724.9	3674.9	3634.6	3587.8
30°	3731.4	3742.7	3774.9	3829.8	3860.4	3881.4	3862.0	3823.3	3774.9	3721.7
32.5°	3918.5	3933.0	3968.5	4020.1	4026.6	4029.8	4023.4	4004.0	3968.5	3904.0
35°	4155.6	4171.8	4212.1	4254.0	4247.6	4254.0	4244.4	4237.9	4212.1	4137.9
37.5°	4446.0	4465.4	4507.3	4539.6	4523.4	4515.4	4517.0	4518.6	4504.1	4421.8
40°	4783.2	4809.0	4839.6	4873.5	4846.1	4821.9	4838.0	4850.9	4838.0	4754.1
42.5°	5130.0	5167.1	5199.4	5247.8	5225.2	5194.5	5217.1	5231.6	5204.2	5113.9
45°	5515.6	5551.1	5593.0	5665.6	5649.5	5617.2	5649.5	5652.7	5605.9	5499.4
47.5°	5914.0	5951.1	6014.1	6110.8	6104.4	6068.9	6110.8	6088.3	6028.6	5901.1
50°	6291.5	6343.2	6439.9	6575.5	6588.4	6544.8	6601.3	6557.7	6457.7	6298.0
52.5°	6646.4	6701.3	6854.5	7038.4	7085.2	7028.8	7104.6	7028.8	6878.7	6673.9
55°	7019.1	7080.4	7262.7	7503.0	7596.6	7554.7	7625.7	7511.1	7298.2	7049.7
57.5°	7457.9	7495.0	7712.8	7998.3	8156.4	8166.1	8198.3	8004.8	7746.6	7464.3
60°	7933.8	7985.4	8222.5	8564.5	8814.6	8895.3	8861.4	8574.2	8274.2	7949.9
62.5°	8543.6	8600.0	8884.0	9293.7	9689.0	9889.0	9756.7	9340.5	8969.5	8580.7
65°	9048.5	9111.4	9624.4	10355.2	11074.7	11476.4	11144.1	10377.8	9709.9	9161.4
67.5°	8682.3	8759.7	9564.7	10906.9	12696.0	13894.6	12757.3	11071.5	9763.2	9019.5
70°	7588.6	7661.1	8600.0	10240.7	13152.5	15778.8	13426.8	10542.3	8630.7	7798.3
72.5°	5038.1	5272.0	6222.2	8190.3	11744.2	14601.2	11860.3	8024.1	5772.1	5026.8
75°	1671.3	1858.4	2506.9	4246.0	7866.0	10919.8	7488.5	3757.2	1985.9	1429.3
77.5°	421.0	485.6	669.5	1214.7	3137.7	6217.3	2824.7	992.1	540.4	377.5
80°	204.9	225.8	322.6	404.9	785.6	1976.2	737.2	380.7	254.9	196.8
82.5°	112.9	114.5	182.3	229.1	292.0	511.4	303.3	222.6	146.8	119.4
85°	69.4	67.8	96.8	122.6	122.6	182.3	145.2	122.6	83.9	74.2
87.5°	27.4	27.4	35.5	38.7	33.9	46.8	37.1	40.3	32.3	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3078.0
3094.1
3118.3
3147.4
3174.8
3202.2
3245.8
3299.0
3360.3
3421.6
3491.0
3586.2
3721.7
3905.6
4137.9
4421.8
4754.1
5120.3
5510.7
5893.1
6294.8
6654.5
7015.9
7425.6
7898.3
8512.9
9071.1
8908.2
7687.0
4863.8
1351.9
337.2
180.7
119.4
77.4
32.3
0.0

OF REPORT)