

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: P952411

Luminaire Tested: **GALN-SB6B-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952411
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-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37834 lumens
Efficiency: N/A
Efficacy: 171.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

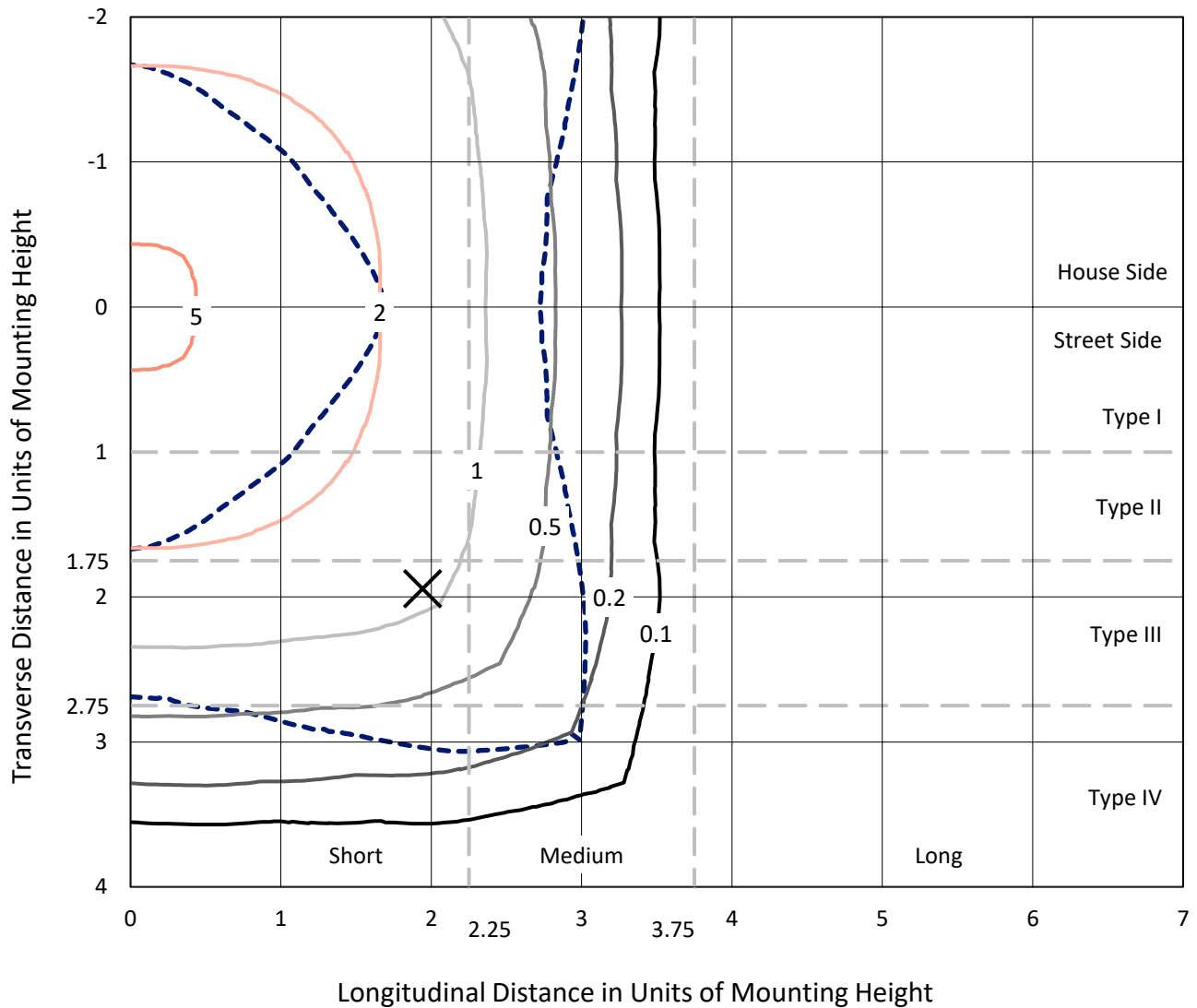
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

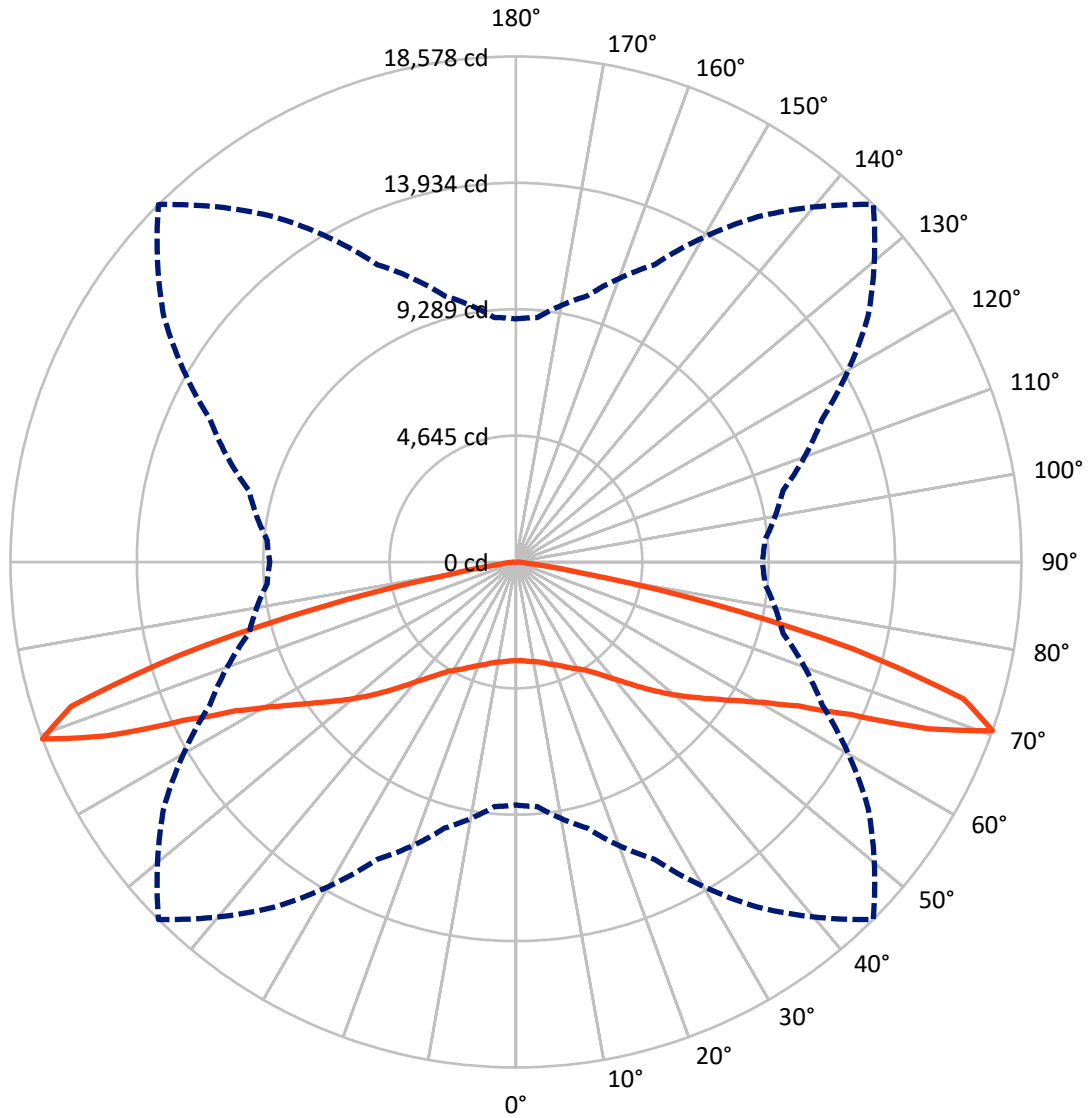
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	18917.0	0.0	18917.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18917.0	0.0	18917.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37834.0	0.0	37834.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.1	0.9
10°-20°	1091.8	2.9
20°-30°	1951.1	5.2
30°-40°	3162.7	8.4
40°-50°	5151.6	13.6
50°-60°	7854.4	20.8
60°-70°	11684.8	30.9
70°-80°	6368.6	16.8
80°-90°	216.9	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°	37834.0	100.0
0°-180°	37834.0	100.0



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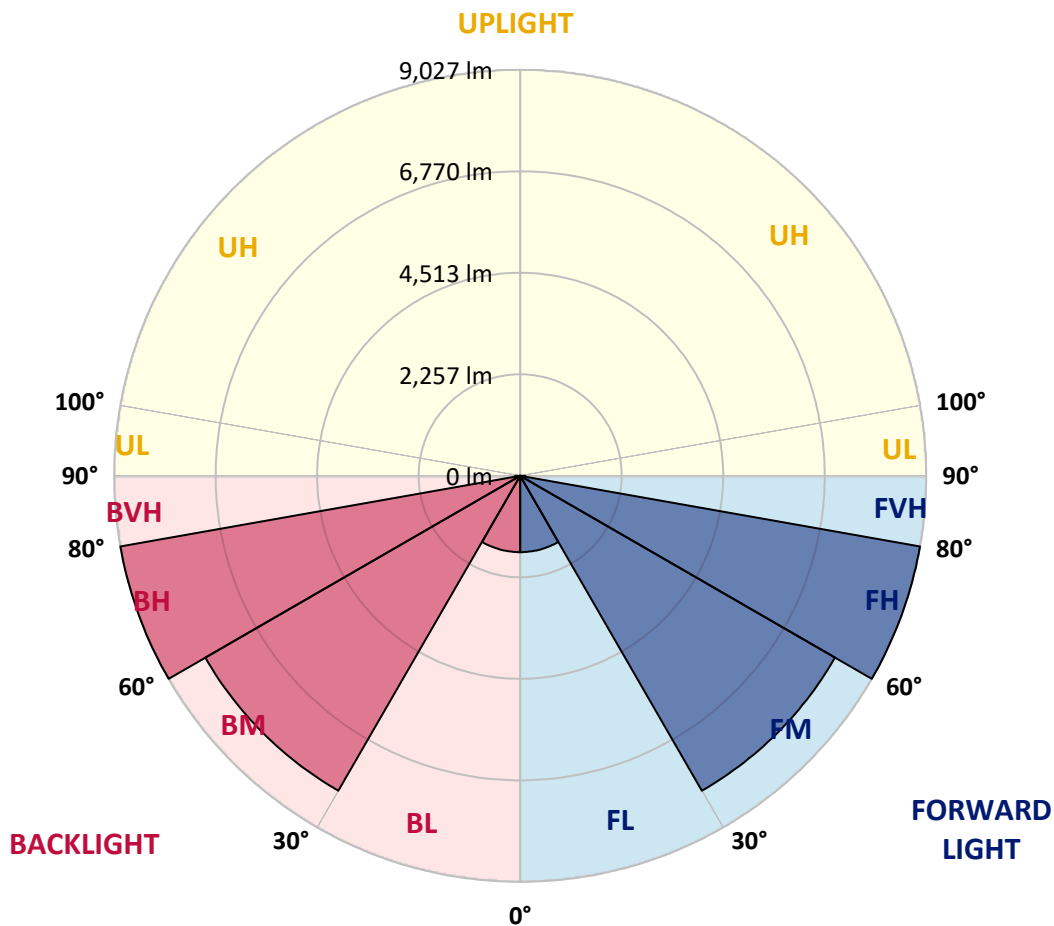
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1697.5	4.5			
FM (30°-60°)	8084.4	21.4			
FH (60°-80°)	9026.7	23.9			G4/12000
FVH (80°-90°)	108.4	0.3			G2/225
BL (0°-30°)	1697.5	4.5	B3/2500		
BM (30°-60°)	8084.4	21.4	B4/8500		
BH (60°-80°)	9026.7	23.9	B5		G4/12000
BVH (80°-90°)	108.4	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°	3624.1	3624.1	3624.1	3624.1	3624.1	3624.1	3624.1	3624.1	3624.1	3624.1
2.5°	3641.2	3645.0	3637.4	3633.6	3629.8	3624.1	3626.0	3635.5	3643.1	3641.2
5°	3671.6	3675.4	3669.7	3667.8	3660.2	3658.3	3658.3	3667.8	3673.5	3669.7
7.5°	3705.8	3711.5	3702.0	3700.1	3696.3	3692.5	3690.6	3700.1	3705.8	3705.8
10°	3738.1	3743.8	3736.2	3730.5	3726.7	3726.7	3722.9	3730.5	3740.0	3738.1
12.5°	3772.3	3776.1	3768.5	3764.7	3764.7	3770.4	3764.7	3768.5	3776.1	3772.3
15°	3814.0	3815.9	3814.0	3819.7	3829.2	3848.2	3831.1	3827.3	3831.1	3821.6
17.5°	3871.0	3874.8	3882.4	3895.7	3909.0	3943.2	3912.8	3903.3	3903.3	3884.3
20°	3941.3	3947.0	3958.4	3981.2	3998.3	4030.6	4000.2	3986.9	3981.2	3956.5
22.5°	4015.4	4024.9	4042.0	4072.4	4102.8	4133.2	4102.8	4080.0	4062.9	4030.6
25°	4100.9	4112.3	4138.9	4188.2	4230.0	4273.7	4237.6	4192.0	4157.8	4112.3
27.5°	4222.4	4235.7	4268.0	4328.8	4382.0	4420.0	4385.8	4326.9	4279.4	4224.3
30°	4393.4	4406.7	4444.7	4509.2	4545.3	4570.0	4547.2	4501.6	4444.7	4382.0
32.5°	4613.7	4630.8	4672.6	4733.4	4741.0	4744.8	4737.2	4714.4	4672.6	4596.6
35°	4892.9	4911.9	4959.4	5008.8	5001.2	5008.8	4997.4	4989.8	4959.4	4872.0
37.5°	5234.8	5257.6	5307.0	5345.0	5326.0	5316.5	5318.4	5320.3	5303.2	5206.3
40°	5631.8	5662.2	5698.3	5738.2	5705.9	5677.4	5696.4	5711.6	5696.4	5597.6
42.5°	6040.2	6083.9	6121.9	6178.8	6152.2	6116.2	6142.7	6159.8	6127.5	6021.2
45°	6494.1	6535.9	6585.3	6670.8	6651.8	6613.8	6651.8	6655.6	6600.5	6475.1
47.5°	6963.3	7007.0	7081.1	7195.0	7187.4	7145.6	7195.0	7168.4	7098.2	6948.1
50°	7407.8	7468.5	7582.5	7742.1	7757.3	7706.0	7772.5	7721.2	7603.4	7415.4
52.5°	7825.6	7890.2	8070.7	8287.2	8342.3	8275.8	8365.1	8275.8	8099.2	7857.9
55°	8264.4	8336.6	8551.2	8834.2	8944.4	8895.0	8978.6	8843.7	8593.0	8300.5
57.5°	8781.0	8824.7	9081.2	9417.4	9603.5	9614.9	9652.9	9425.0	9121.0	8788.6
60°	9341.4	9402.2	9681.4	10084.1	10378.5	10473.4	10433.5	10095.5	9742.2	9360.4
62.5°	10059.4	10125.8	10460.1	10942.6	11408.0	11643.5	11487.7	10997.7	10560.8	10103.0
65°	10653.9	10728.0	11332.0	12192.4	13039.6	13512.5	13121.2	12219.0	11432.6	10786.8
67.5°	10222.7	10313.9	11261.7	12842.0	14948.5	16359.8	15020.7	13035.8	11495.3	10619.7
70°	8934.9	9020.4	10125.8	12057.6	15486.0	18578.3	15808.9	12412.8	10161.9	9181.8
72.5°	5931.9	6207.3	7326.1	9643.4	13827.8	17191.7	13964.6	9447.7	6796.1	5918.6
75°	1967.8	2188.1	2951.7	4999.3	9261.6	12857.2	8817.1	4423.8	2338.2	1682.9
77.5°	495.8	571.7	788.3	1430.3	3694.4	7320.4	3325.9	1168.1	636.3	444.5
80°	241.2	265.9	379.9	476.8	925.0	2326.8	868.0	448.3	300.1	231.7
82.5°	133.0	134.9	214.6	269.7	343.8	602.1	357.1	262.1	172.8	140.6
85°	81.7	79.8	114.0	144.4	144.4	214.6	170.9	144.4	98.8	87.4
87.5°	32.3	32.3	41.8	45.6	39.9	55.1	43.7	47.5	38.0	36.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3624.1
3643.1
3671.6
3705.8
3738.1
3770.4
3821.6
3884.3
3956.5
4028.7
4110.4
4222.4
4382.0
4598.5
4872.0
5206.3
5597.6
6028.8
6488.4
6938.6
7411.6
7835.1
8260.6
8743.1
9299.6
10023.3
10680.5
10488.6
9050.8
5726.8
1591.7
397.0
212.7
140.6
91.2
38.0
0.0

OF REPORT)