

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: P942650

Luminaire Tested: **GALN-SB6D-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62418 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

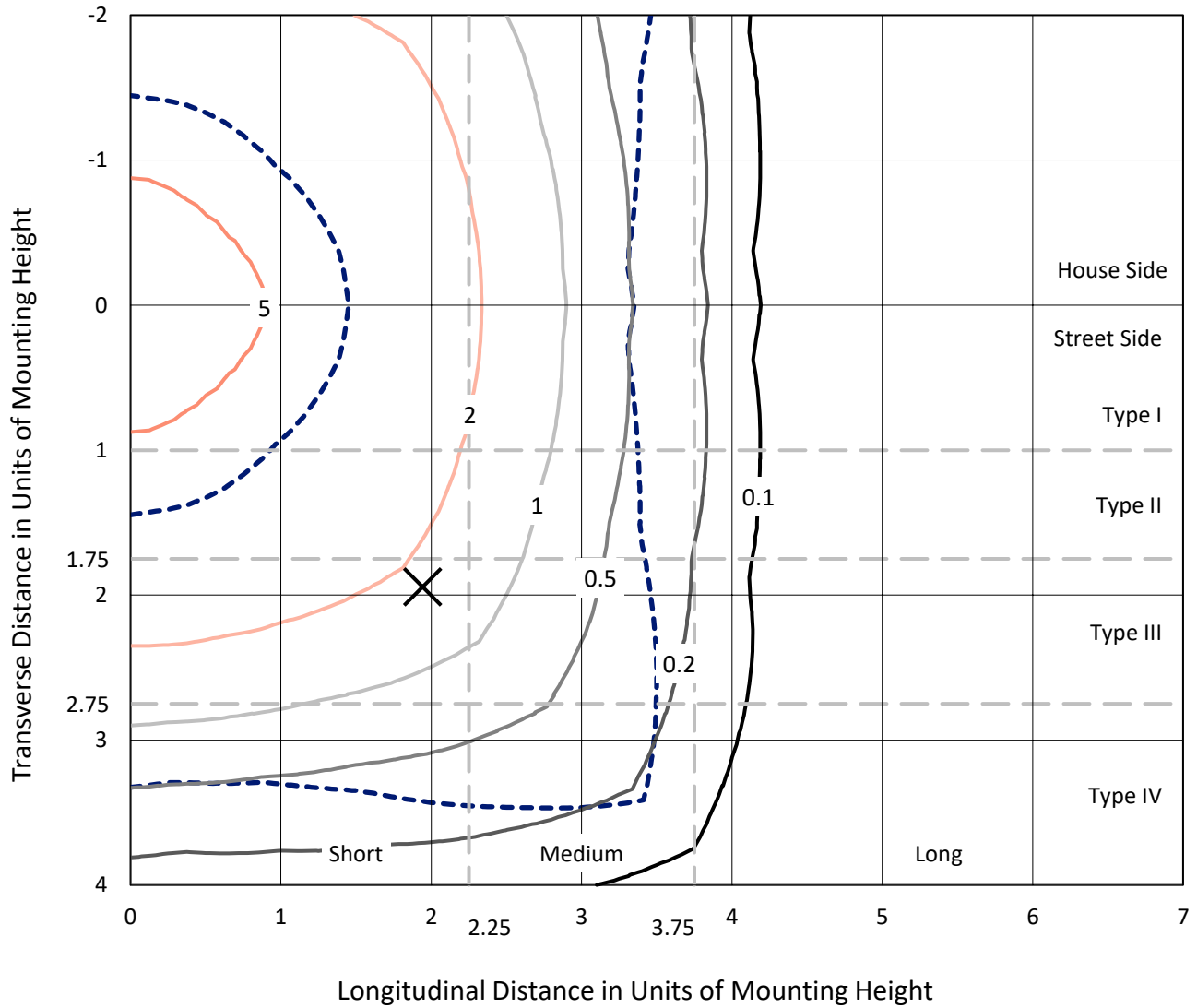
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

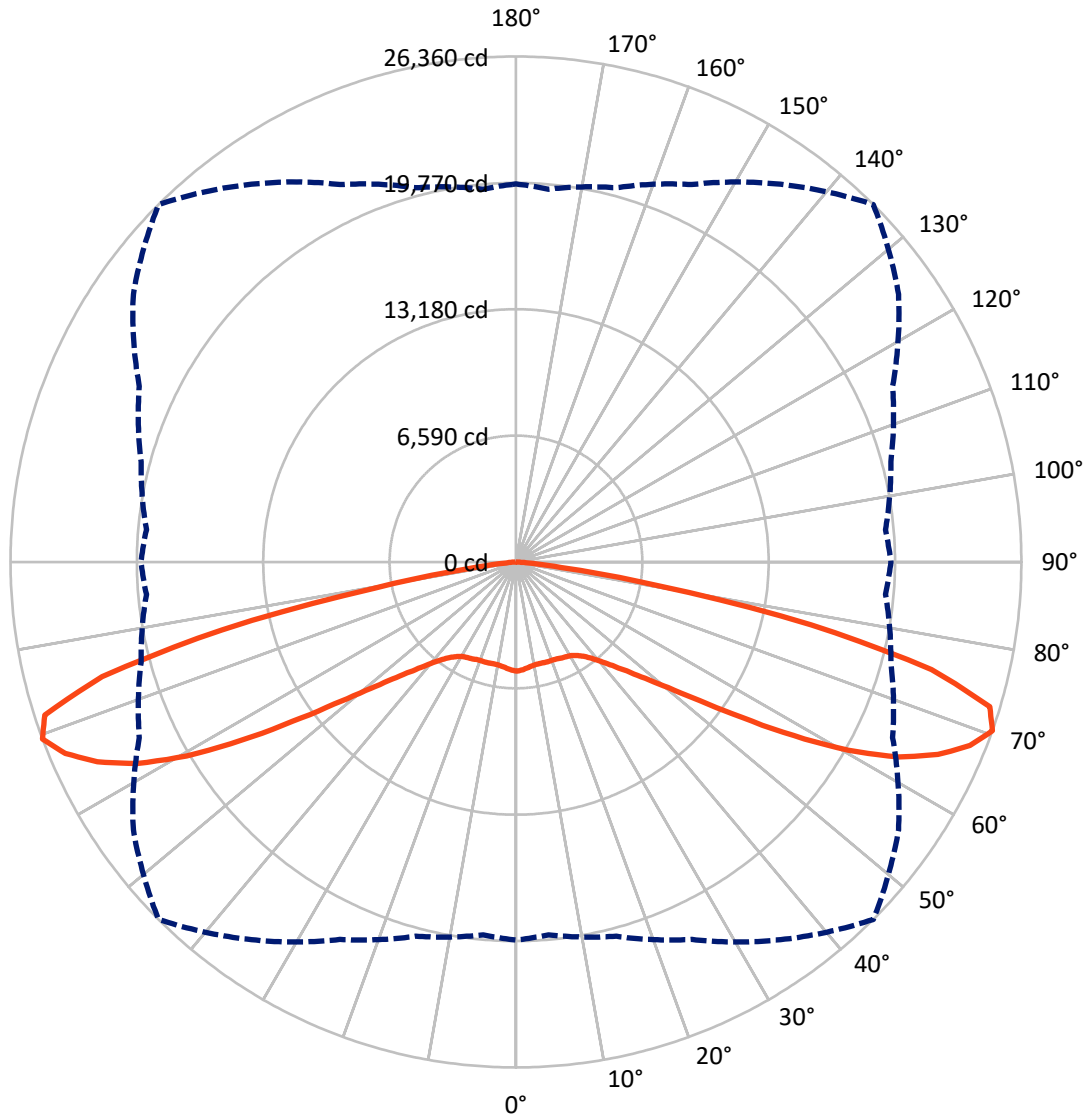
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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
House Side	Lumens	31209.0	0.0	31209.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31209.0	0.0	31209.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	62418.0	0.0	62418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.7	0.8
10°-20°	1555.2	2.5
20°-30°	2588.1	4.1
30°-40°	3914.0	6.3
40°-50°	6504.1	10.4
50°-60°	12272.9	19.7
60°-70°	20723.3	33.2
70°-80°	13617.4	21.8
80°-90°	713.4	1.1
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°	62418.0	100.0
0°-180°	62418.0	100.0

Coefficient of Utilization



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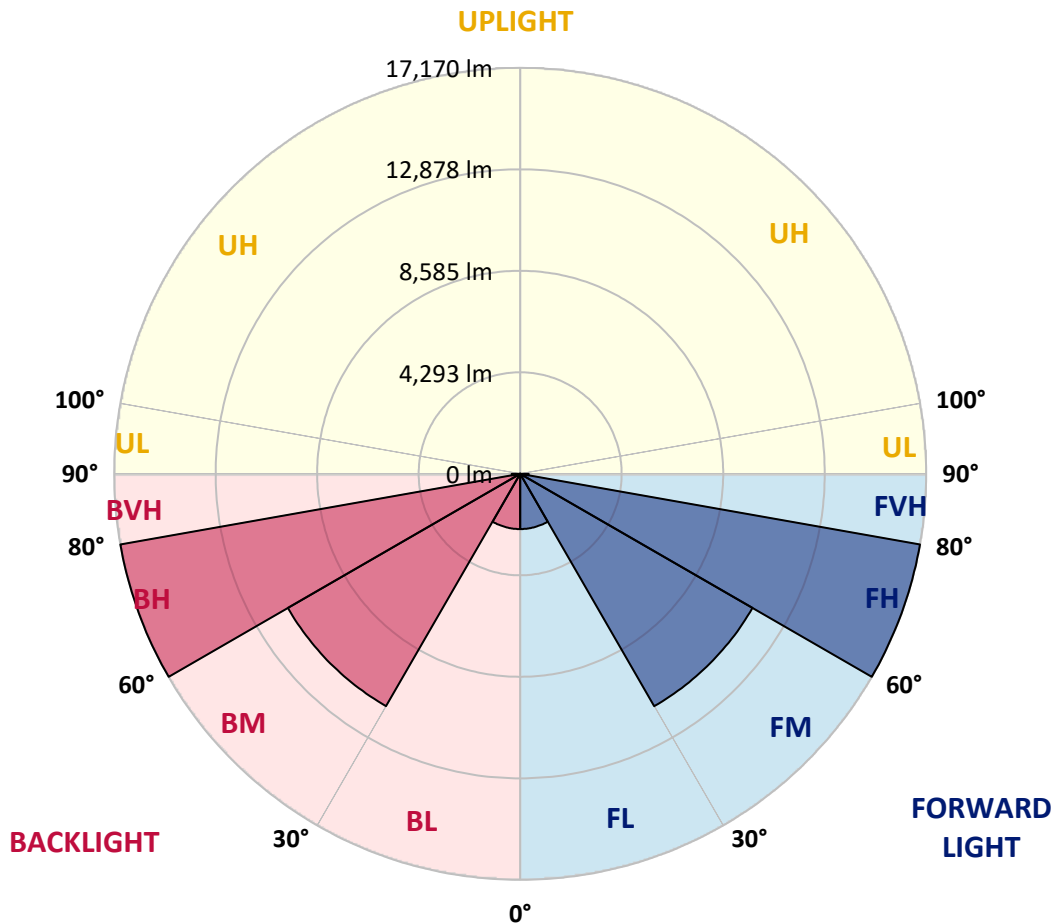
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2336.5	3.7			
FM (30°-60°)	11345.5	18.2			
FH (60°-80°)	17170.4	27.5			G5
FVH (80°-90°)	356.7	0.6			G3/500
BL (0°-30°)	2336.5	3.7	B3/2500		
BM (30°-60°)	11345.5	18.2	B5		
BH (60°-80°)	17170.4	27.5	B5		G5
BVH (80°-90°)	356.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5693.8	5693.8	5693.8	5693.8	5693.8	5693.8	5693.8	5693.8	5693.8	5693.8
2.5°	5658.1	5674.3	5667.8	5654.8	5654.8	5645.1	5654.8	5661.3	5671.1	5677.6
5°	5583.5	5596.4	5593.2	5583.5	5586.7	5577.0	5583.5	5593.2	5599.7	5602.9
7.5°	5518.6	5531.6	5525.1	5508.9	5508.9	5499.1	5502.4	5512.1	5521.8	5525.1
10°	5502.4	5515.3	5495.9	5469.9	5460.2	5447.2	5450.5	5460.2	5479.7	5489.4
12.5°	5508.9	5518.6	5499.1	5460.2	5450.5	5437.5	5437.5	5447.2	5473.2	5486.1
15°	5528.3	5538.1	5508.9	5466.7	5456.9	5447.2	5444.0	5456.9	5486.1	5508.9
17.5°	5564.0	5573.7	5528.3	5469.9	5456.9	5460.2	5456.9	5466.7	5512.1	5554.3
20°	5596.4	5602.9	5541.3	5469.9	5456.9	5460.2	5456.9	5476.4	5534.8	5593.2
22.5°	5606.2	5612.7	5554.3	5492.6	5482.9	5486.1	5482.9	5502.4	5557.5	5615.9
25°	5609.4	5619.2	5573.7	5525.1	5541.3	5547.8	5541.3	5544.5	5586.7	5638.6
27.5°	5658.1	5671.1	5628.9	5586.7	5596.4	5593.2	5602.9	5612.7	5645.1	5697.0
30°	5758.7	5768.4	5732.7	5690.5	5684.0	5661.3	5690.5	5723.0	5758.7	5804.1
32.5°	5924.1	5943.6	5898.2	5852.7	5823.6	5810.6	5833.3	5888.4	5937.1	5985.8
35°	6199.9	6212.9	6170.7	6086.3	6034.4	6034.4	6053.9	6125.3	6203.1	6264.8
37.5°	6589.2	6605.4	6530.8	6430.2	6352.4	6352.4	6378.3	6452.9	6569.7	6657.3
40°	7062.9	7085.6	6991.5	6887.7	6813.1	6800.1	6832.5	6916.9	7027.2	7137.5
42.5°	7633.9	7659.8	7536.6	7445.7	7387.3	7387.3	7403.5	7481.4	7582.0	7718.2
45°	8363.9	8409.3	8240.6	8149.7	8094.6	8107.6	8117.3	8185.4	8276.3	8432.0
47.5°	9233.3	9278.7	9100.3	9006.2	8996.5	9058.1	9019.2	9067.9	9116.5	9295.0
50°	10219.6	10297.5	10174.2	10167.7	10187.2	10300.7	10209.9	10235.8	10180.7	10294.2
52.5°	11426.5	11540.0	11517.3	11556.3	11773.6	12007.2	11799.6	11708.7	11501.1	11536.8
55°	12889.7	13061.6	13094.1	13327.7	13820.8	14297.7	13856.5	13489.9	13048.6	12967.5
57.5°	14554.0	14690.3	14846.0	15322.9	16244.3	17091.1	16244.3	15433.2	14738.9	14573.5
60°	16344.9	16513.6	16662.8	17366.8	18735.9	19926.6	18710.0	17422.0	16503.8	16280.0
62.5°	18268.8	18486.1	18589.9	19371.8	20968.0	22389.0	20990.7	19430.2	18411.5	18171.4
65°	20114.8	20293.2	20410.0	21243.8	22768.6	24192.9	22872.4	21334.6	20286.7	19972.0
67.5°	20974.5	21071.8	21357.3	22301.4	23910.6	25536.0	24183.1	22402.0	21230.8	20679.3
70°	19715.7	19517.8	20205.6	21717.5	24046.9	26360.1	24358.3	21672.0	20238.1	19342.6
72.5°	15235.3	14894.7	16088.6	18674.3	22489.6	25834.5	22645.3	18820.3	16831.5	15014.7
75°	8289.2	7903.2	9551.3	12821.5	17934.6	22392.3	18346.6	13188.2	10634.9	8227.6
77.5°	2339.2	2193.2	3523.3	6203.1	10787.4	15722.0	11202.6	6339.4	4178.7	2478.7
80°	717.0	694.3	940.9	1868.7	4581.0	7530.1	4402.5	1891.4	1197.2	755.9
82.5°	425.0	389.3	467.2	681.3	1168.0	2365.1	1135.5	710.5	571.0	382.8
85°	243.3	227.1	275.8	330.9	392.6	502.9	327.7	337.4	305.0	204.4
87.5°	100.6	90.8	107.1	103.8	90.8	116.8	87.6	103.8	123.3	81.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5693.8
5674.3
5602.9
5525.1
5489.4
5489.4
5512.1
5554.3
5596.4
5615.9
5635.4
5684.0
5794.4
5966.3
6242.1
6624.9
7101.8
7708.5
8425.5
9243.1
10226.1
11416.8
12841.0
14456.7
16085.3
17976.8
19816.3
20685.8
19556.7
15465.7
8762.9
2754.4
798.1
415.3
214.1
74.6
0.0

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