

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: P950984

Luminaire Tested: **GALN-SB5B-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31535 lumens
Efficiency: N/A
Efficacy: 172.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

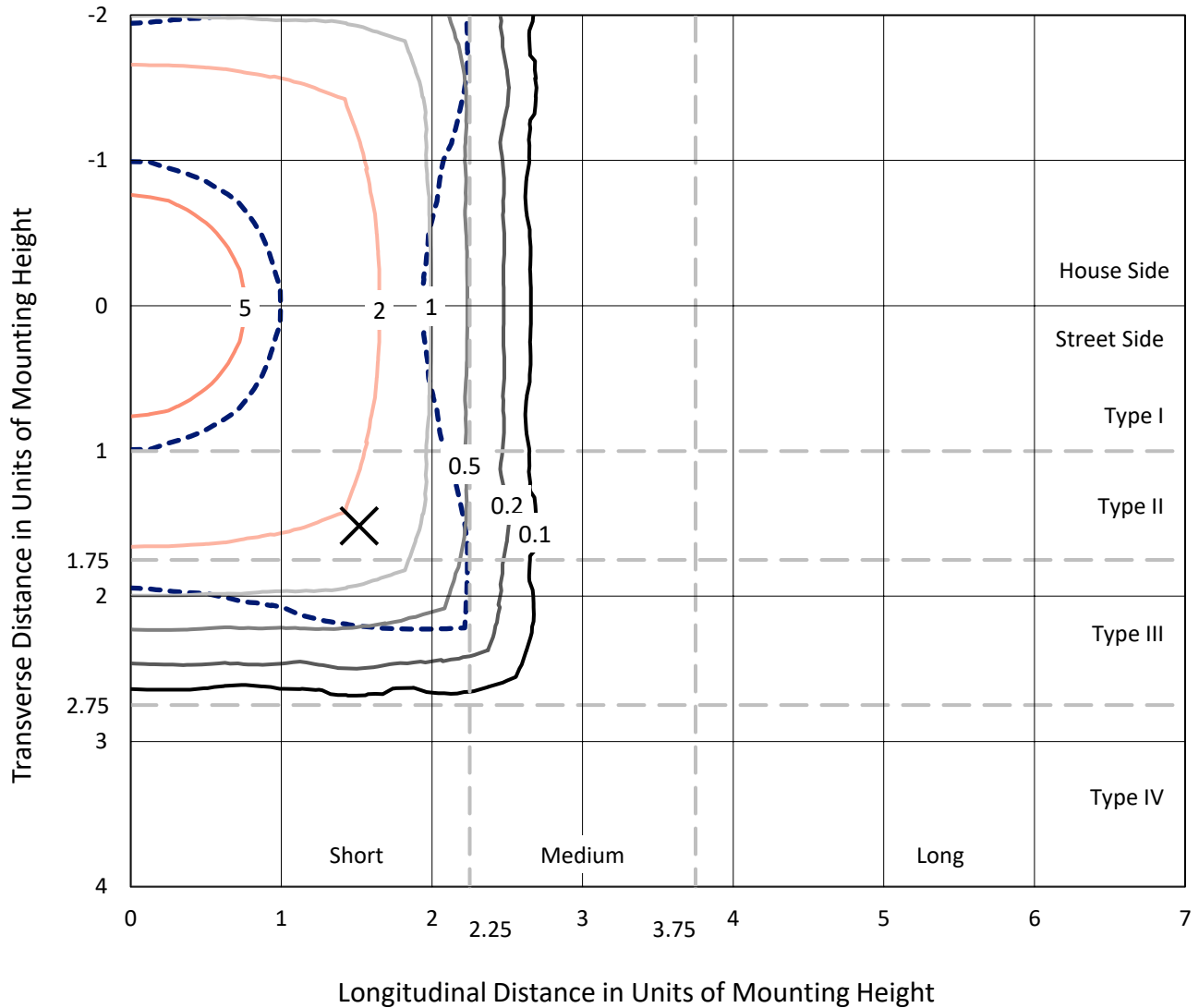
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

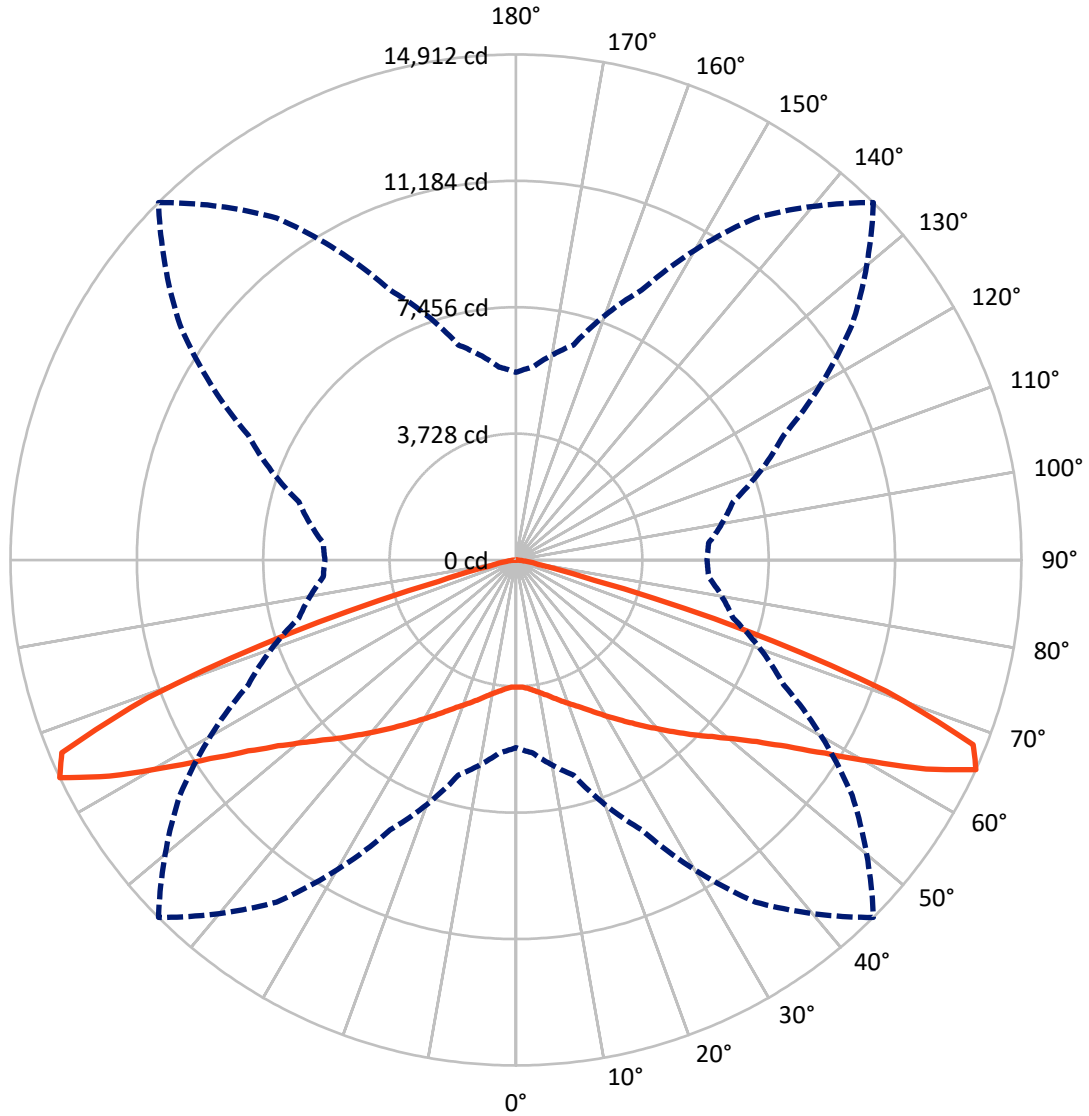
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15767.5	0.0	15767.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15767.5	0.0	15767.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31535.0	0.0	31535.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.4	1.2
10°-20°	1208.6	3.8
20°-30°	2281.9	7.2
30°-40°	3736.6	11.8
40°-50°	5793.7	18.4
50°-60°	8558.4	27.1
60°-70°	8146.8	25.8
70°-80°	1314.6	4.2
80°-90°	123.9	0.4
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°	31535.0	100.0
0°-180°	31535.0	100.0

Coefficient of Utilization



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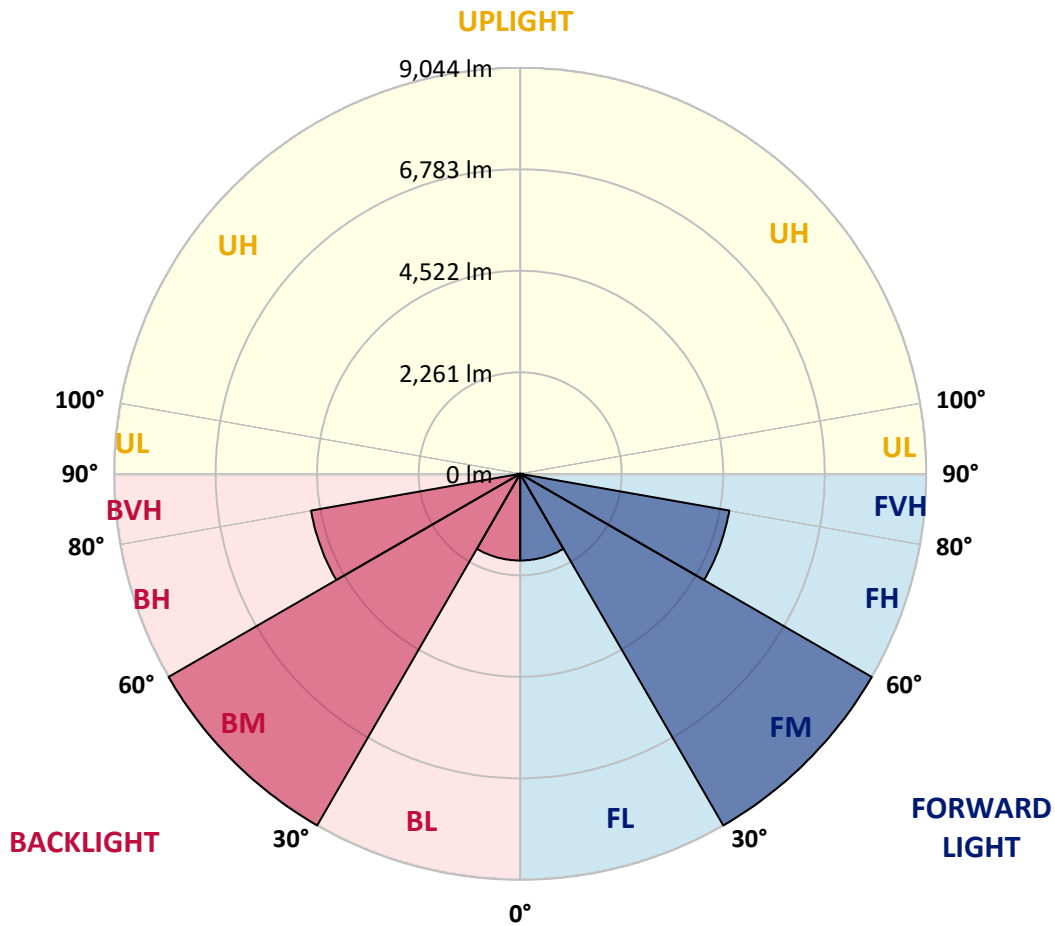
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1930.5	6.1			
FM (30°-60°)	9044.4	28.7			
FH (60°-80°)	4730.7	15.0			G2/5000
FVH (80°-90°)	62.0	0.2			G1/100
BL (0°-30°)	1930.5	6.1	B3/2500		
BM (30°-60°)	9044.4	28.7	B5		
BH (60°-80°)	4730.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	62.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3753.0	3753.0	3753.0	3753.0	3753.0	3753.0	3753.0	3753.0	3753.0	3753.0
2.5°	3778.3	3765.6	3775.1	3767.2	3760.9	3754.6	3757.7	3768.8	3773.5	3775.1
5°	3828.9	3817.9	3822.6	3822.6	3811.5	3808.4	3809.9	3817.9	3827.3	3827.3
7.5°	3911.2	3900.1	3911.2	3904.9	3895.4	3892.2	3890.6	3897.0	3911.2	3911.2
10°	4010.9	3998.2	4004.6	4001.4	3990.3	3985.6	3984.0	3993.5	4006.1	4004.6
12.5°	4120.1	4105.8	4113.7	4104.2	4101.1	4096.3	4096.3	4094.7	4102.6	4096.3
15°	4241.9	4232.4	4235.6	4229.2	4234.0	4230.8	4218.1	4211.8	4215.0	4205.5
17.5°	4385.9	4363.7	4374.8	4371.6	4371.6	4377.9	4357.4	4349.5	4355.8	4346.3
20°	4552.0	4529.8	4534.6	4528.3	4520.3	4526.7	4501.4	4507.7	4512.4	4506.1
22.5°	4733.9	4705.5	4703.9	4707.0	4689.6	4691.2	4673.8	4689.6	4699.1	4681.7
25°	4920.6	4890.6	4911.2	4903.2	4881.1	4885.8	4873.2	4889.0	4896.9	4874.8
27.5°	5118.4	5097.9	5116.8	5121.6	5094.7	5113.7	5094.7	5108.9	5116.8	5083.6
30°	5349.4	5328.9	5346.3	5358.9	5327.3	5357.3	5341.5	5351.0	5352.6	5313.0
32.5°	5601.0	5569.3	5613.6	5620.0	5585.2	5621.6	5601.0	5613.6	5621.6	5567.8
35°	5907.9	5868.4	5919.0	5911.1	5881.0	5911.1	5892.1	5911.1	5930.1	5865.2
37.5°	6238.6	6197.5	6251.3	6237.0	6208.6	6229.1	6218.0	6230.7	6260.8	6191.2
40°	6602.5	6551.9	6624.7	6599.4	6572.5	6569.3	6575.6	6583.5	6623.1	6545.6
42.5°	6991.7	6938.0	7047.1	7007.6	6969.6	6944.3	6964.8	6980.7	7018.6	6931.6
45°	7436.3	7374.6	7517.0	7469.6	7409.4	7357.2	7390.5	7414.2	7469.6	7365.1
47.5°	7926.8	7857.2	8009.1	7994.9	7896.8	7782.8	7858.8	7926.8	7968.0	7841.4
50°	8406.2	8352.4	8551.8	8569.2	8449.0	8289.2	8395.2	8498.0	8509.1	8342.9
52.5°	8855.6	8801.8	9091.3	9200.5	9092.9	8903.0	9015.4	9119.8	9035.9	8820.8
55°	9214.7	9170.4	9539.1	9820.7	9857.1	9700.5	9766.9	9763.8	9488.5	9157.8
57.5°	9301.8	9295.4	9760.6	10357.1	10736.8	10755.8	10624.5	10289.1	9695.7	9251.1
60°	8906.2	8945.8	9585.0	10637.1	11649.7	12070.6	11502.6	10545.4	9460.0	8842.9
62.5°	7722.7	7827.1	8597.7	10295.4	12387.1	13583.2	12206.7	10156.1	8491.7	7686.3
65°	5534.5	5716.5	6567.7	8786.0	12320.6	14912.2	12105.4	8714.8	6631.0	5702.3
67.5°	2511.0	2696.1	3419.1	6015.5	10709.9	14551.5	10684.6	6078.8	3590.0	2705.6
70°	909.8	941.4	1174.0	2408.1	6844.6	11594.4	7137.3	2425.5	1248.4	1003.1
72.5°	550.6	555.4	604.4	862.3	2378.0	7039.2	2479.3	890.8	617.1	547.4
75°	349.7	346.5	430.4	526.9	843.3	2374.9	884.5	526.9	428.8	390.8
77.5°	251.6	259.5	308.5	394.0	531.6	805.3	522.1	376.6	308.5	253.2
80°	188.3	193.0	224.7	306.9	373.4	501.6	332.3	278.5	232.6	158.2
82.5°	136.1	136.1	147.1	223.1	227.8	270.6	180.4	196.2	153.5	112.3
85°	80.7	79.1	91.8	132.9	118.7	99.7	82.3	120.2	96.5	69.6
87.5°	28.5	30.1	28.5	38.0	31.6	26.9	25.3	33.2	26.9	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3753.0
3775.1
3827.3
3906.5
4001.4
4099.5
4207.1
4354.2
4520.3
4699.1
4900.1
5108.9
5336.8
5604.2
5904.8
6233.9
6570.9
6977.5
7418.9
7884.1
8363.5
8827.1
9168.9
9222.6
8770.1
7638.9
5634.2
2666.0
990.5
556.9
394.0
257.9
163.0
112.3
68.0
22.2
0.0

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