

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: P955646

Luminaire Tested: **GALN-SB8C-750-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955646
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-SB8C-750-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67137 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

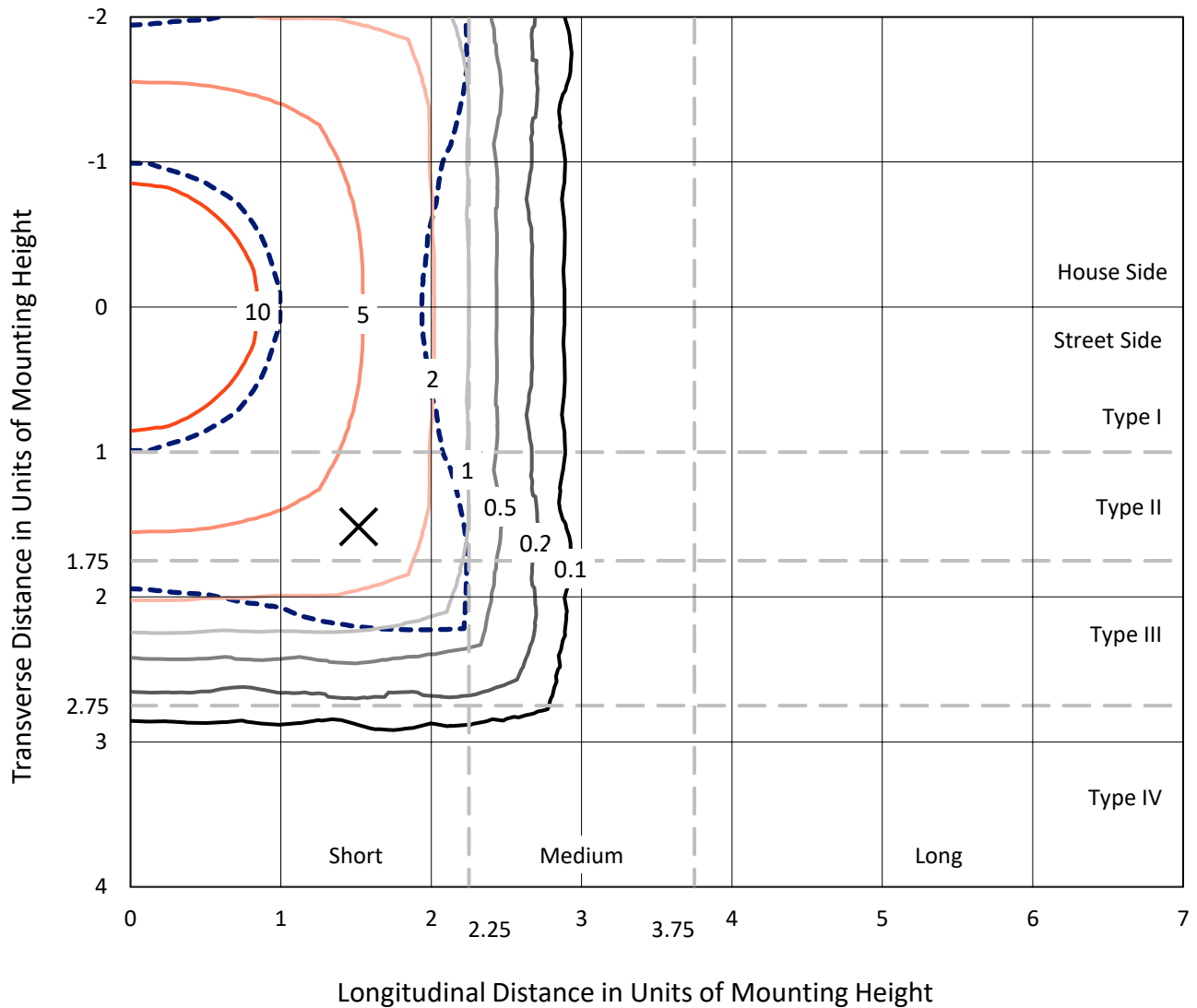
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

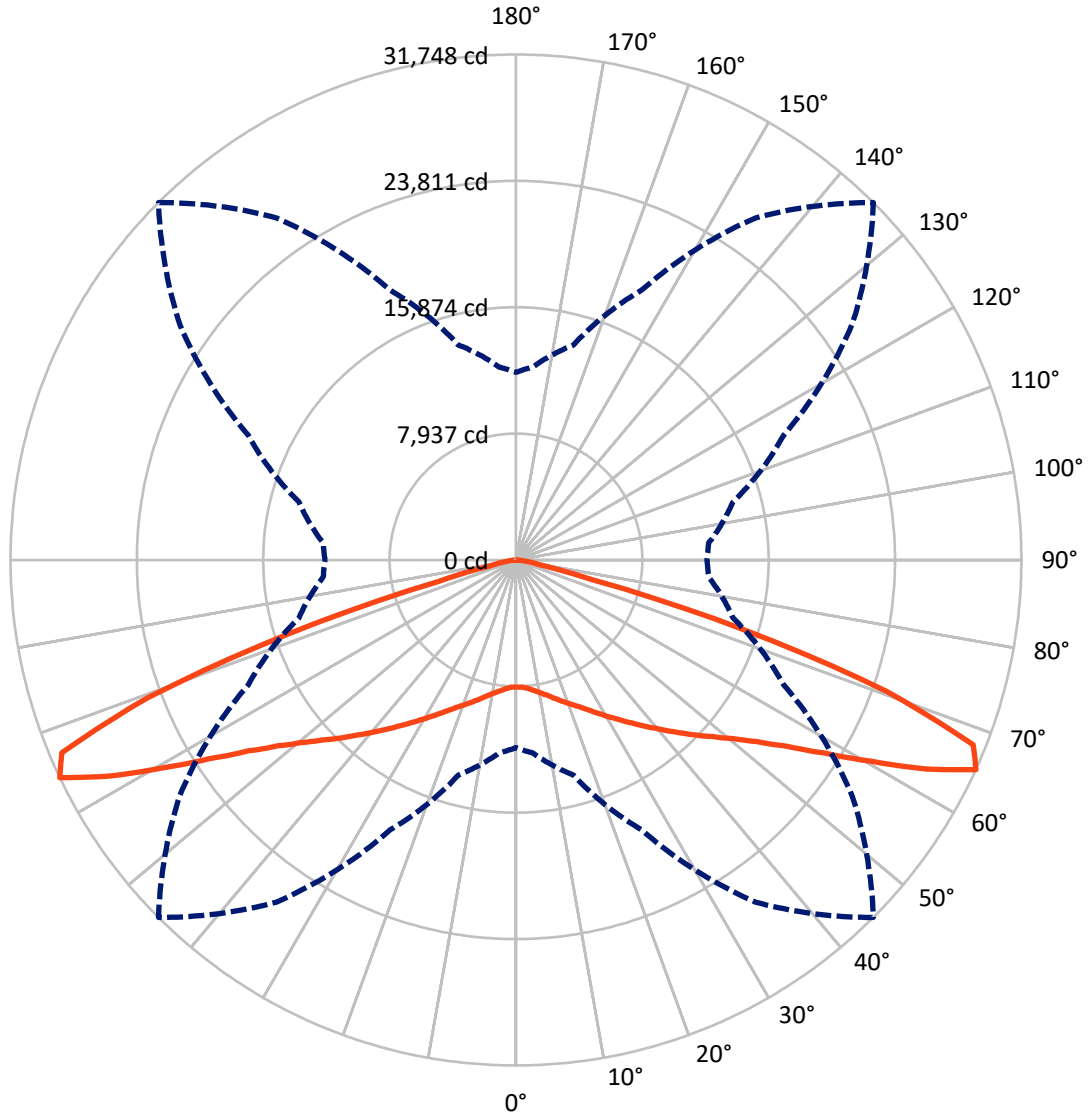
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	33568.5	0.0	33568.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33568.5	0.0	33568.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	67137.0	0.0	67137.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.5	1.2
10°-20°	2573.0	3.8
20°-30°	4858.2	7.2
30°-40°	7955.1	11.8
40°-50°	12334.5	18.4
50°-60°	18220.7	27.1
60°-70°	17344.4	25.8
70°-80°	2798.7	4.2
80°-90°	263.8	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°	67137.0	100.0
0°-180°	67137.0	100.0



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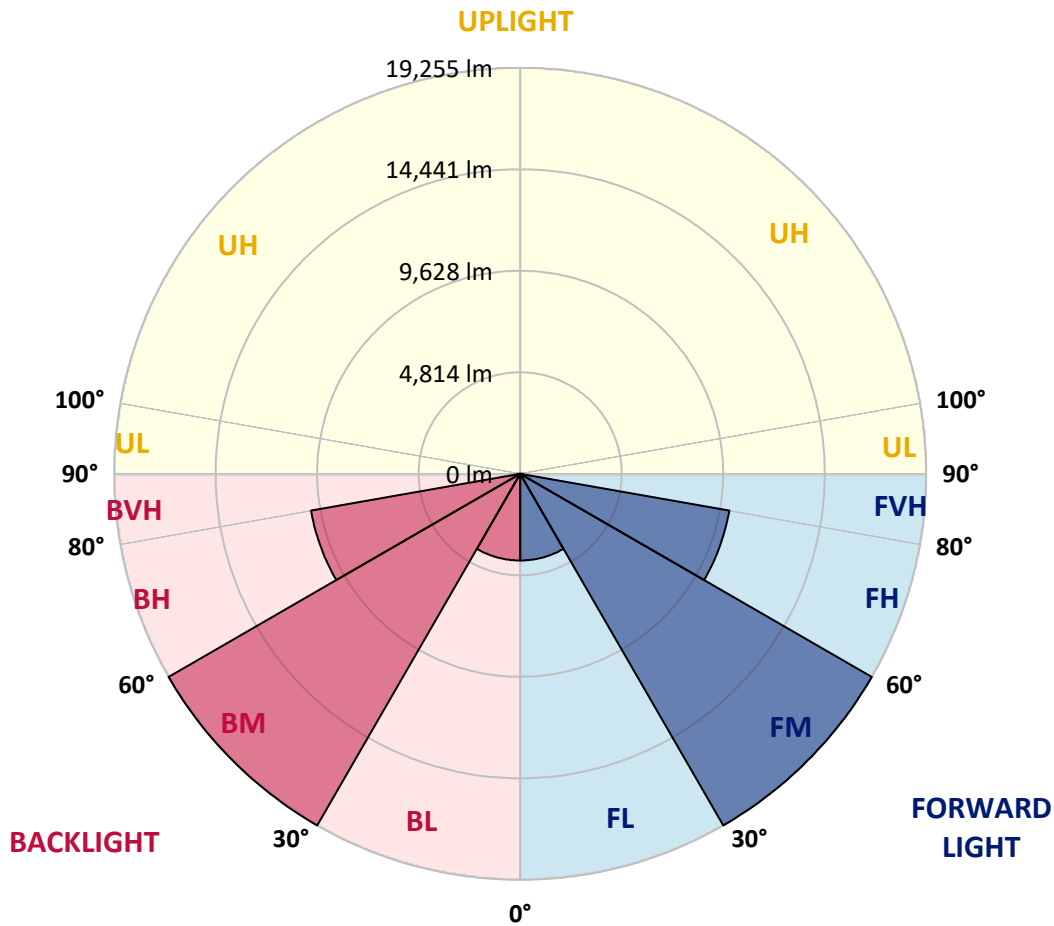
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4109.9	6.1			
FM (30°-60°)	19255.1	28.7			
FH (60°-80°)	10071.6	15.0			G4/12000
FVH (80°-90°)	131.9	0.2			G2/225
BL (0°-30°)	4109.9	6.1	B4/5000		
BM (30°-60°)	19255.1	28.7	B5		
BH (60°-80°)	10071.6	15.0	B5		G4/12000
BVH (80°-90°)	131.9	0.2			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°	7990.0	7990.0	7990.0	7990.0	7990.0	7990.0	7990.0	7990.0	7990.0	7990.0
2.5°	8043.9	8016.9	8037.1	8020.3	8006.8	7993.3	8000.1	8023.7	8033.8	8037.1
5°	8151.7	8128.1	8138.2	8138.2	8114.6	8107.9	8111.2	8128.1	8148.3	8148.3
7.5°	8326.8	8303.2	8326.8	8313.3	8293.1	8286.4	8283.0	8296.5	8326.8	8326.8
10°	8539.0	8512.1	8525.6	8518.8	8495.2	8485.1	8481.8	8502.0	8528.9	8525.6
12.5°	8771.5	8741.1	8758.0	8737.8	8731.0	8720.9	8720.9	8717.6	8734.4	8720.9
15°	9030.8	9010.6	9017.4	9003.9	9014.0	9007.2	8980.3	8966.8	8973.6	8953.4
17.5°	9337.4	9290.2	9313.8	9307.0	9307.0	9320.5	9276.7	9259.9	9273.4	9253.1
20°	9691.0	9643.9	9654.0	9640.5	9623.7	9637.1	9583.3	9596.7	9606.8	9593.4
22.5°	10078.4	10017.8	10014.4	10021.2	9984.1	9987.5	9950.4	9984.1	10004.3	9967.3
25°	10475.9	10411.9	10455.7	10438.8	10391.7	10401.8	10374.8	10408.5	10425.4	10378.2
27.5°	10897.0	10853.2	10893.6	10903.7	10846.4	10886.8	10846.4	10876.7	10893.6	10822.8
30°	11388.7	11345.0	11382.0	11409.0	11341.6	11405.6	11371.9	11392.1	11395.5	11311.3
32.5°	11924.3	11857.0	11951.3	11964.8	11890.6	11968.1	11924.3	11951.3	11968.1	11853.6
35°	12577.8	12493.6	12601.4	12584.5	12520.5	12584.5	12544.1	12584.5	12625.0	12486.9
37.5°	13281.8	13194.2	13308.8	13278.4	13217.8	13261.6	13238.0	13265.0	13329.0	13180.8
40°	14056.6	13948.8	14103.7	14049.8	13992.6	13985.8	13999.3	14016.1	14100.4	13935.3
42.5°	14885.2	14770.7	15003.1	14918.9	14838.0	14784.1	14827.9	14861.6	14942.5	14757.2
45°	15831.7	15700.4	16003.5	15902.5	15774.5	15663.3	15734.1	15784.6	15902.5	15680.2
47.5°	16876.0	16727.7	17051.1	17020.8	16812.0	16569.4	16731.1	16876.0	16963.5	16694.1
50°	17896.6	17782.1	18206.5	18243.6	17987.5	17647.3	17873.0	18092.0	18115.5	17761.9
52.5°	18853.2	18738.7	19355.1	19587.6	19358.5	18954.3	19193.5	19415.8	19237.2	18779.1
55°	19617.9	19523.6	20308.4	20908.0	20985.5	20652.0	20793.5	20786.7	20200.6	19496.6
57.5°	19803.1	19789.7	20780.0	22049.9	22858.3	22898.8	22619.2	21905.1	20641.9	19695.4
60°	18961.0	19045.2	20406.1	22646.1	24801.9	25697.9	24488.7	22450.8	20140.0	18826.3
62.5°	16441.4	16663.7	18304.2	21918.5	26371.6	28918.2	25987.6	21622.1	18078.5	16364.0
65°	11782.9	12170.2	13982.5	18705.0	26230.2	31747.7	25772.0	18553.4	14117.2	12139.9
67.5°	5345.7	5739.8	7279.2	12806.9	22801.1	30979.7	22747.2	12941.6	7643.0	5760.1
70°	1936.9	2004.2	2499.4	5126.8	14571.9	24684.0	15195.1	5163.8	2657.7	2135.6
72.5°	1172.2	1182.3	1286.7	1835.8	5062.8	14986.3	5278.4	1896.4	1313.7	1165.5
75°	744.4	737.7	916.2	1121.7	1795.4	5056.1	1883.0	1121.7	912.9	832.0
77.5°	535.6	552.4	656.8	838.7	1131.8	1714.5	1111.6	801.7	656.8	539.0
80°	400.8	411.0	478.3	653.5	795.0	1067.8	707.4	592.8	495.2	336.8
82.5°	289.7	289.7	313.3	475.0	485.1	576.0	384.0	417.7	326.7	239.2
85°	171.8	168.4	195.4	283.0	252.6	212.2	175.2	256.0	205.5	148.2
87.5°	60.6	64.0	60.6	80.8	67.4	57.3	53.9	70.7	57.3	50.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7990.0
8037.1
8148.3
8316.7
8518.8
8727.7
8956.7
9270.0
9623.7
10004.3
10432.1
10876.7
11361.8
11931.1
12571.1
13271.7
13989.2
14854.9
15794.7
16785.0
17805.7
18792.6
19520.2
19634.7
18671.3
16262.9
11995.1
5675.8
2108.7
1185.7
838.7
549.1
347.0
239.2
144.8
47.2
0.0

OF REPORT)