

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: P956213

Luminaire Tested: **GALN-SB8D-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956213
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-SB8D-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62482 lumens
Efficiency: N/A
Efficacy: 106.8 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

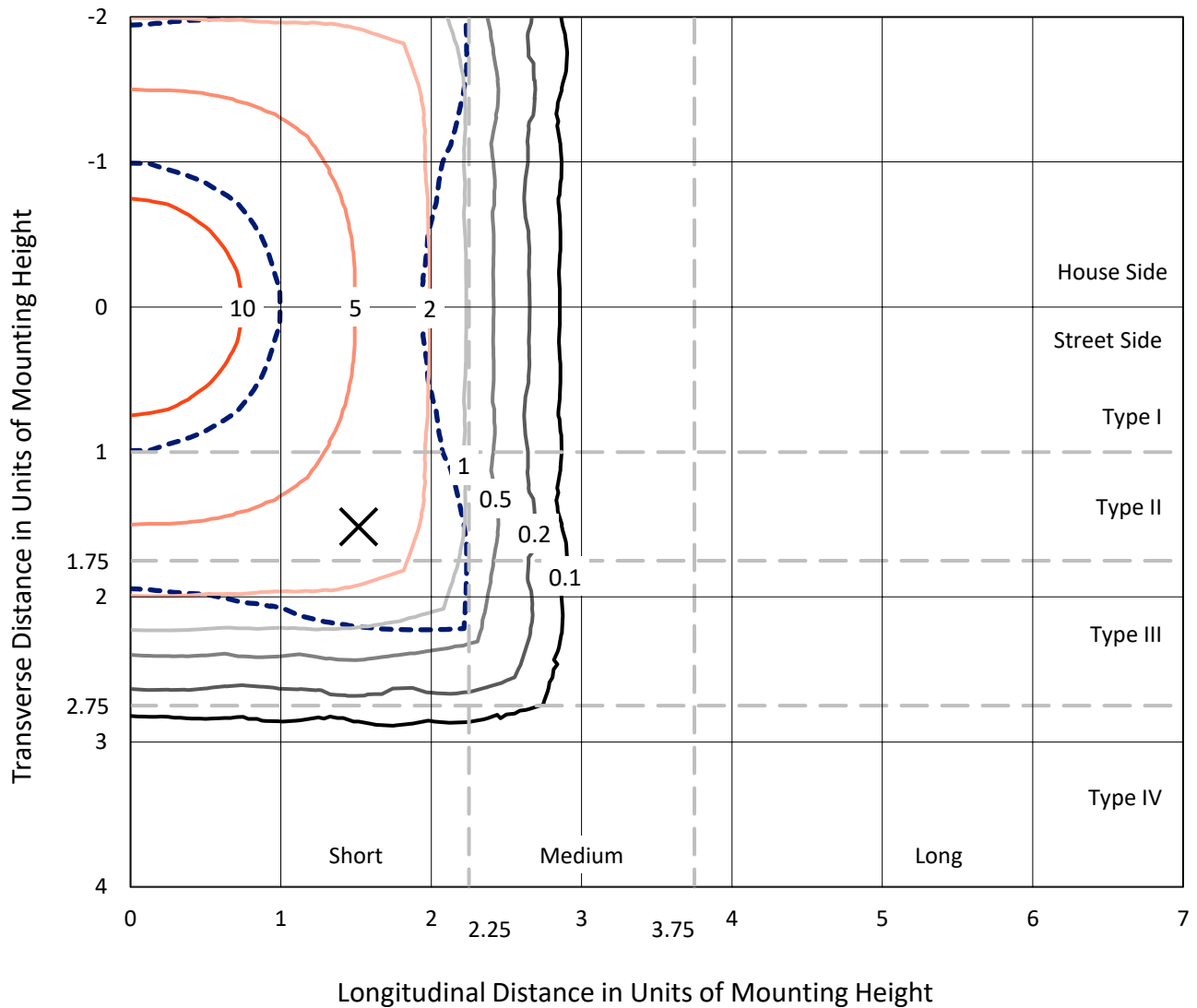
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

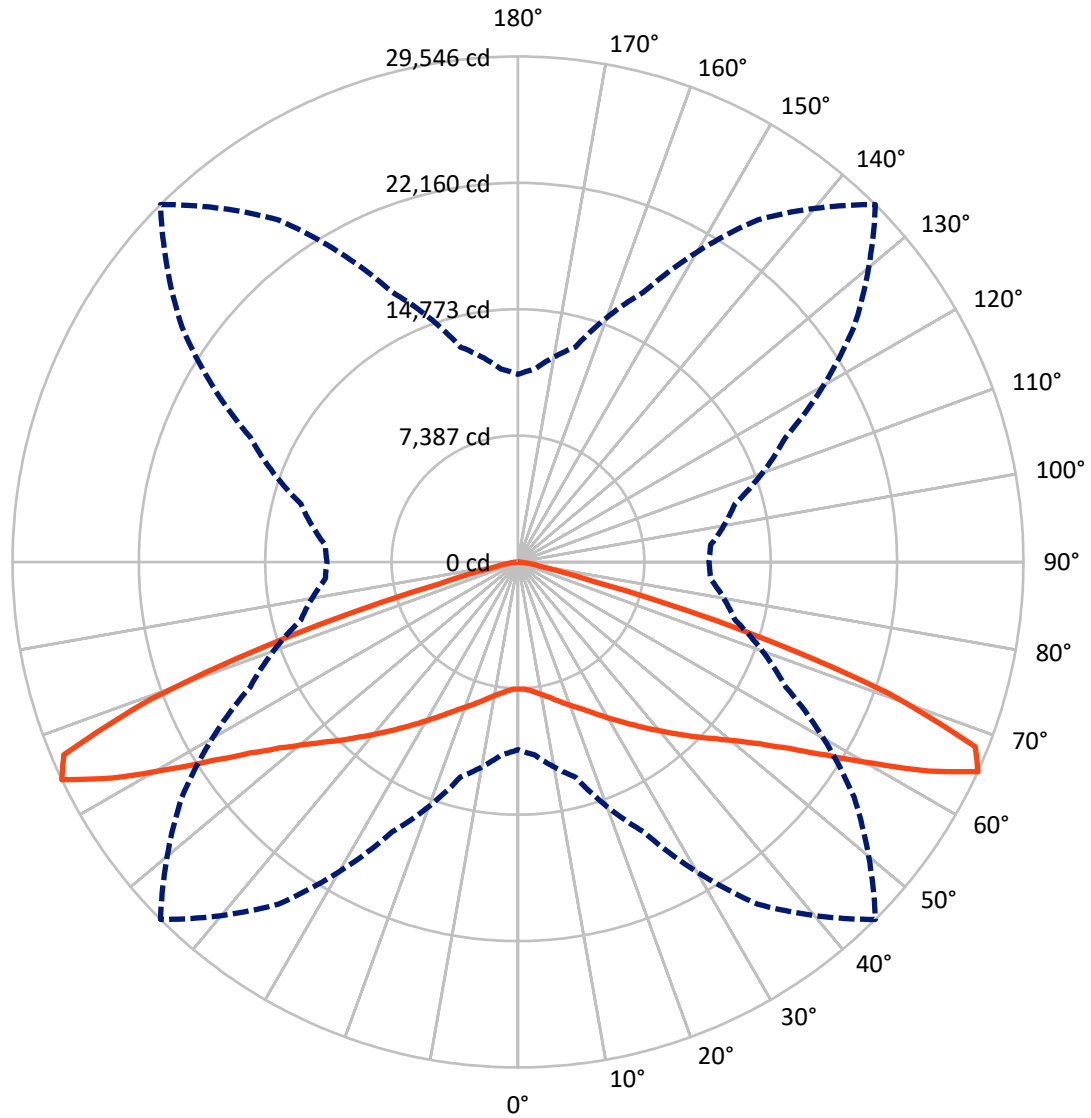
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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	31241.0	0.0	31241.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31241.0	0.0	31241.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	62482.0	0.0	62482.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.9	1.2
10°-20°	2394.6	3.8
20°-30°	4521.4	7.2
30°-40°	7403.6	11.8
40°-50°	11479.3	18.4
50°-60°	16957.3	27.1
60°-70°	16141.8	25.8
70°-80°	2604.7	4.2
80°-90°	245.5	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°	62482.0	100.0
0°-180°	62482.0	100.0

Coefficient of Utilization



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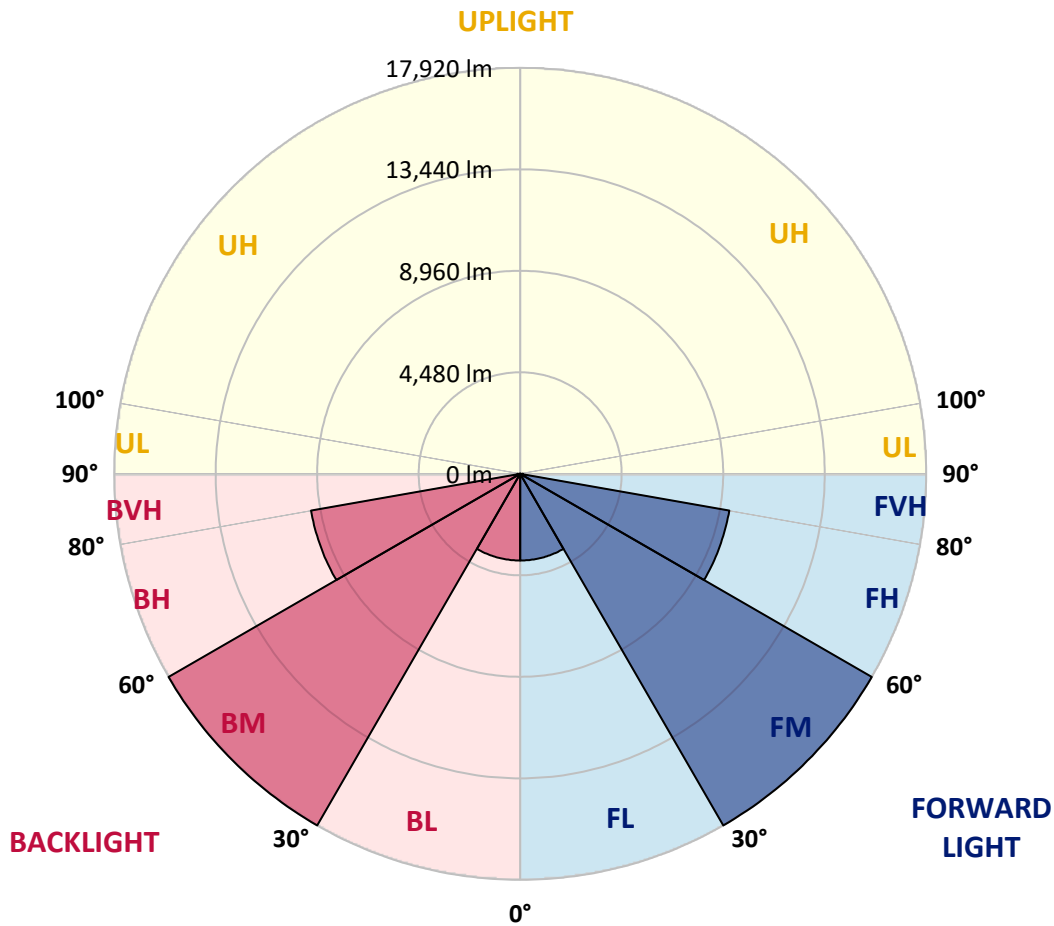
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3824.9	6.1			
FM (30°-60°)	17920.1	28.7			
FH (60°-80°)	9373.2	15.0			G4/12000
FVH (80°-90°)	122.8	0.2			G2/225
BL (0°-30°)	3824.9	6.1	B4/5000		
BM (30°-60°)	17920.1	28.7	B5		
BH (60°-80°)	9373.2	15.0	B5		G4/12000
BVH (80°-90°)	122.8	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°	7436.0	7436.0	7436.0	7436.0	7436.0	7436.0	7436.0	7436.0	7436.0	7436.0
2.5°	7486.1	7461.1	7479.9	7464.2	7451.7	7439.1	7445.4	7467.3	7476.7	7479.9
5°	7586.5	7564.5	7573.9	7573.9	7552.0	7545.7	7548.8	7564.5	7583.3	7583.3
7.5°	7749.5	7727.5	7749.5	7736.9	7718.1	7711.9	7708.7	7721.3	7749.5	7749.5
10°	7947.0	7921.9	7934.4	7928.2	7906.2	7896.8	7893.7	7912.5	7937.6	7934.4
12.5°	8163.3	8135.1	8150.7	8131.9	8125.7	8116.3	8116.3	8113.1	8128.8	8116.3
15°	8404.7	8385.9	8392.1	8379.6	8389.0	8382.7	8357.6	8345.1	8351.4	8332.6
17.5°	8689.9	8646.1	8668.0	8661.7	8661.7	8674.3	8633.5	8617.8	8630.4	8611.6
20°	9019.1	8975.2	8984.6	8972.1	8956.4	8968.9	8918.8	8931.3	8940.7	8928.2
22.5°	9379.6	9323.2	9320.1	9326.3	9291.8	9295.0	9260.5	9291.8	9310.7	9276.2
25°	9749.5	9690.0	9730.7	9715.1	9671.2	9680.6	9655.5	9686.8	9702.5	9658.6
27.5°	10141.4	10100.6	10138.3	10147.7	10094.4	10132.0	10094.4	10122.6	10138.3	10072.4
30°	10599.1	10558.3	10592.8	10617.9	10555.2	10614.8	10583.4	10602.2	10605.4	10527.0
32.5°	11097.5	11034.8	11122.6	11135.2	11066.2	11138.3	11097.5	11122.6	11138.3	11031.7
35°	11705.7	11627.3	11727.7	11712.0	11652.4	11712.0	11674.4	11712.0	11749.6	11621.1
37.5°	12360.9	12279.4	12386.0	12357.8	12301.3	12342.1	12320.2	12345.2	12404.8	12266.9
40°	13081.9	12981.6	13125.8	13075.7	13022.4	13016.1	13028.6	13044.3	13122.7	12969.1
42.5°	13853.1	13746.5	13962.8	13884.5	13809.2	13759.1	13799.8	13831.2	13906.4	13734.0
45°	14734.0	14611.8	14893.9	14799.9	14680.7	14577.3	14643.1	14690.1	14799.9	14593.0
47.5°	15705.8	15567.9	15868.9	15840.6	15646.3	15420.6	15571.0	15705.8	15787.4	15536.6
50°	16655.7	16549.1	16944.1	16978.6	16740.4	16423.7	16633.8	16837.5	16859.5	16530.3
52.5°	17546.0	17439.4	18013.1	18229.4	18016.3	17640.1	17862.7	18069.6	17903.4	17477.1
55°	18257.7	18169.9	18900.3	19458.3	19530.4	19220.1	19351.7	19345.5	18800.0	18144.8
57.5°	18430.1	18417.5	19339.2	20521.1	21273.4	21311.1	21050.9	20386.3	19210.7	18329.8
60°	17646.4	17724.7	18991.2	21075.9	23082.3	23916.2	22790.7	20894.1	18743.6	17521.0
62.5°	15301.4	15508.4	17035.0	20398.8	24543.1	26913.1	24185.8	20122.9	16825.0	15229.3
65°	10965.9	11326.4	13013.0	17408.1	24411.5	29546.4	23985.1	17267.0	13138.4	11298.2
67.5°	4975.1	5341.9	6774.5	11918.9	21220.1	28831.7	21170.0	12044.3	7113.1	5360.7
70°	1802.6	1865.3	2326.1	4771.3	13561.6	22972.5	14141.5	4805.8	2473.4	1987.5
72.5°	1090.9	1100.3	1197.5	1708.5	4711.8	13947.2	4912.4	1764.9	1222.6	1084.7
75°	692.8	686.5	852.7	1043.9	1670.9	4705.5	1752.4	1043.9	849.6	774.3
77.5°	498.4	514.1	611.3	780.6	1053.3	1595.7	1034.5	746.1	611.3	501.6
80°	373.1	382.5	445.2	608.2	739.8	993.8	658.3	551.7	460.8	313.5
82.5°	269.6	269.6	291.5	442.0	451.4	536.1	357.4	388.7	304.1	222.6
85°	159.9	156.7	181.8	263.3	235.1	197.5	163.0	238.3	191.2	137.9
87.5°	56.4	59.6	56.4	75.2	62.7	53.3	50.2	65.8	53.3	47.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7436.0
7479.9
7583.3
7740.1
7928.2
8122.5
8335.7
8627.2
8956.4
9310.7
9708.8
10122.6
10574.0
11103.8
11699.4
12351.5
13019.2
13824.9
14699.5
15621.2
16571.1
17489.6
18166.7
18273.3
17376.8
15135.3
11163.4
5282.3
1962.4
1103.5
780.6
511.0
322.9
222.6
134.8
43.9
0.0

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