

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: P957641

Luminaire Tested: **GALN-SB9D-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957641
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-SB9D-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 70381 lumens
Efficiency: N/A
Efficacy: 107.0 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

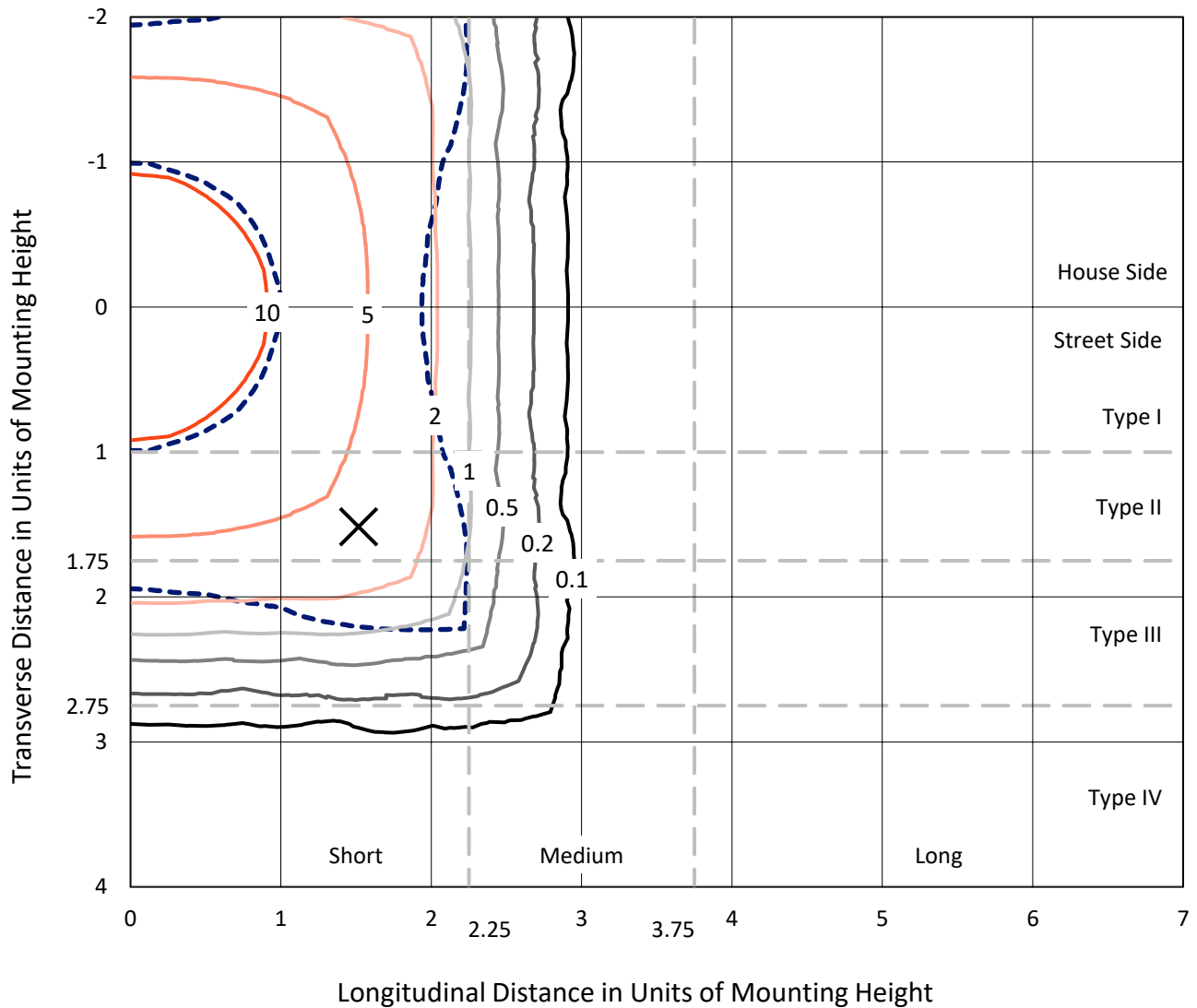
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

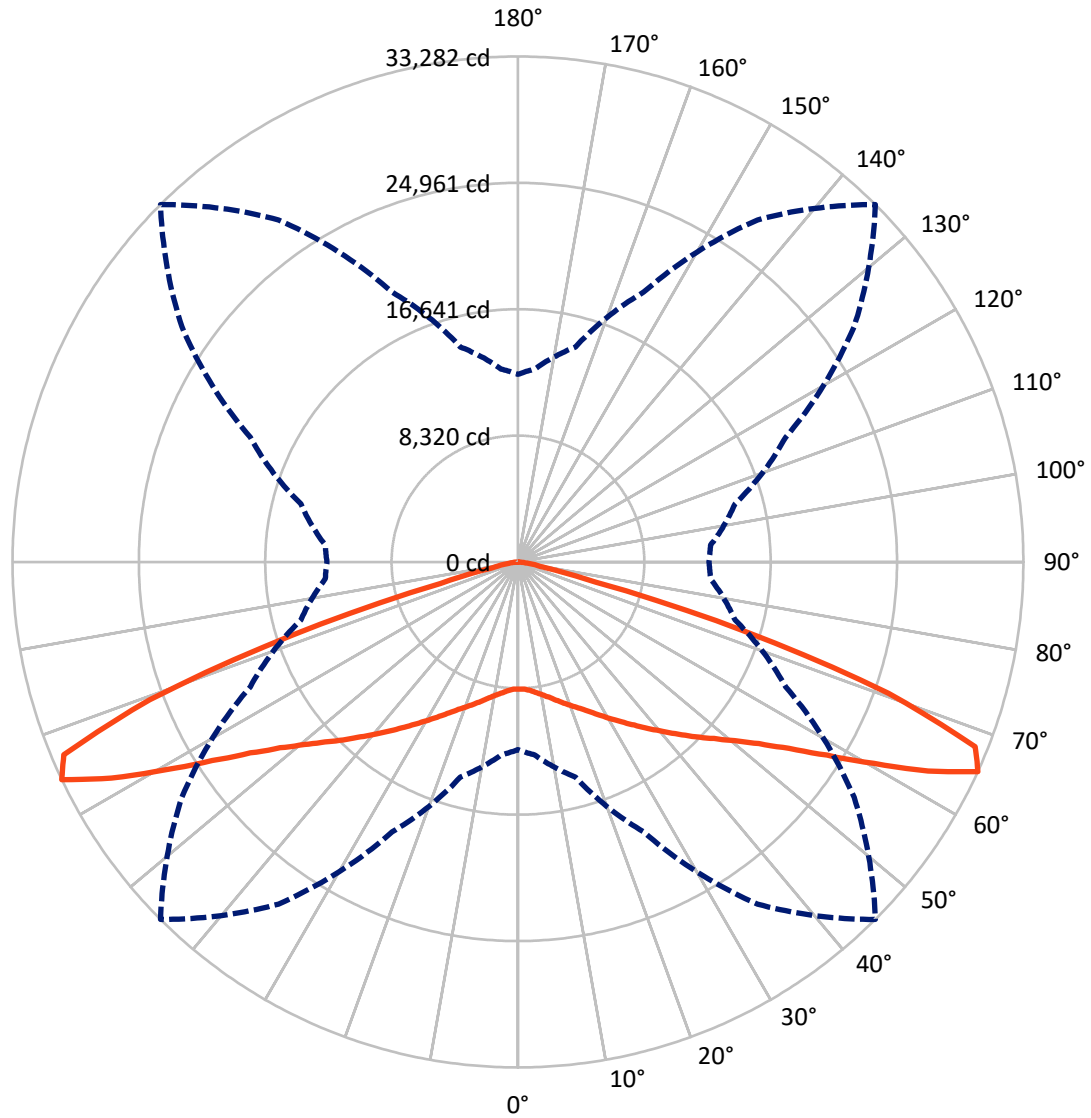
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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	35190.5	0.0	35190.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35190.5	0.0	35190.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	70381.0	0.0	70381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.6	1.2
10°-20°	2697.4	3.8
20°-30°	5092.9	7.2
30°-40°	8339.5	11.8
40°-50°	12930.5	18.4
50°-60°	19101.1	27.1
60°-70°	18182.4	25.8
70°-80°	2934.0	4.2
80°-90°	276.6	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°	70381.0	100.0
0°-180°	70381.0	100.0

Coefficient of Utilization



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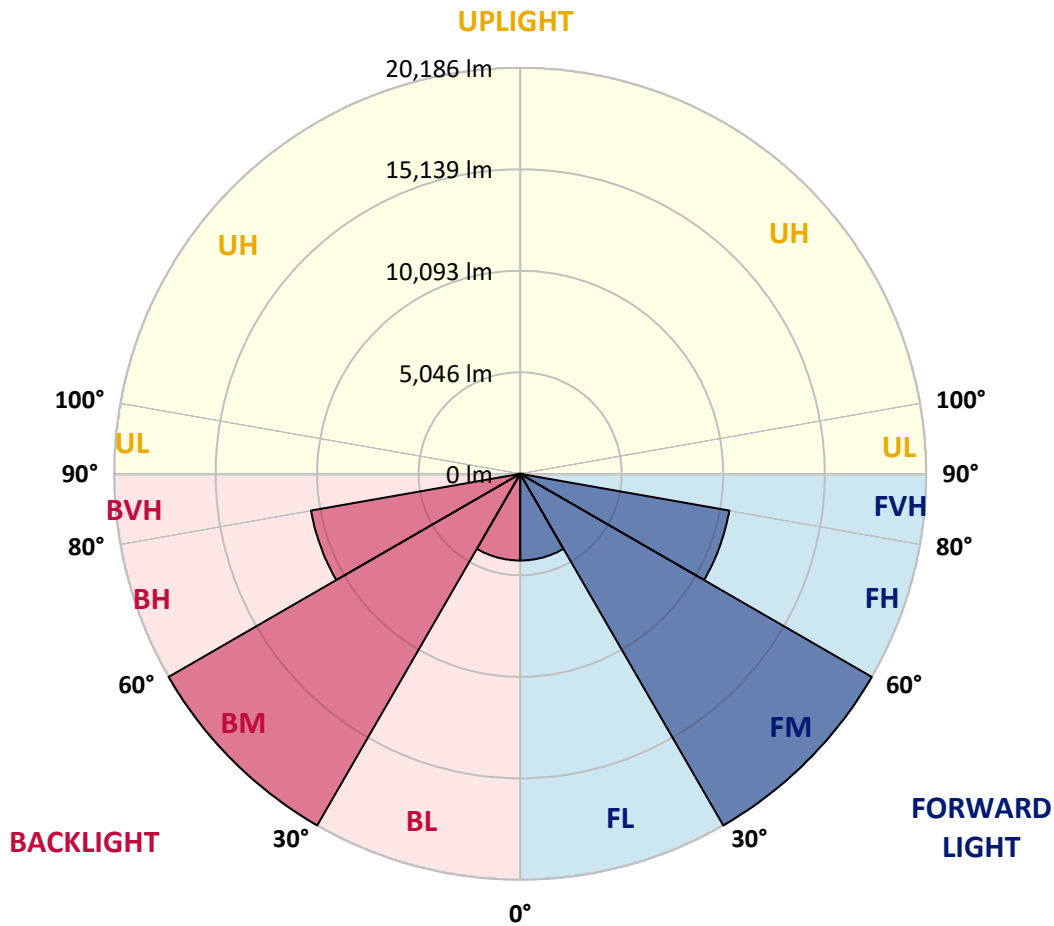
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4308.5	6.1			
FM (30°-60°)	20185.5	28.7			
FH (60°-80°)	10558.2	15.0			G4/12000
FVH (80°-90°)	138.3	0.2			G2/225
BL (0°-30°)	4308.5	6.1	B4/5000		
BM (30°-60°)	20185.5	28.7	B5		
BH (60°-80°)	10558.2	15.0	B5		G4/12000
BVH (80°-90°)	138.3	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°	8376.0	8376.0	8376.0	8376.0	8376.0	8376.0	8376.0	8376.0	8376.0	8376.0
2.5°	8432.5	8404.3	8425.5	8407.8	8393.7	8379.6	8386.6	8411.4	8421.9	8425.5
5°	8545.5	8520.8	8531.4	8531.4	8506.7	8499.6	8503.2	8520.8	8542.0	8542.0
7.5°	8729.2	8704.4	8729.2	8715.0	8693.9	8686.8	8683.3	8697.4	8729.2	8729.2
10°	8951.6	8923.4	8937.5	8930.4	8905.7	8895.1	8891.6	8912.8	8941.0	8937.5
12.5°	9195.3	9163.5	9181.2	9160.0	9152.9	9142.3	9142.3	9138.8	9156.4	9142.3
15°	9467.2	9446.0	9453.1	9438.9	9449.5	9442.5	9414.2	9400.1	9407.2	9386.0
17.5°	9788.5	9739.1	9763.8	9756.7	9756.7	9770.9	9725.0	9707.3	9721.4	9700.2
20°	10159.3	10109.9	10120.5	10106.3	10088.7	10102.8	10046.3	10060.4	10071.0	10056.9
22.5°	10565.4	10501.8	10498.3	10505.4	10466.5	10470.1	10431.2	10466.5	10487.7	10448.9
25°	10982.1	10915.0	10960.9	10943.2	10893.8	10904.4	10876.1	10911.5	10929.1	10879.7
27.5°	11423.5	11377.6	11420.0	11430.5	11370.5	11412.9	11370.5	11402.3	11420.0	11345.8
30°	11939.0	11893.1	11932.0	11960.2	11889.6	11956.7	11921.4	11942.6	11946.1	11857.8
32.5°	12500.5	12429.9	12528.8	12542.9	12465.2	12546.4	12500.5	12528.8	12546.4	12426.3
35°	13185.6	13097.3	13210.3	13192.6	13125.5	13192.6	13150.2	13192.6	13235.0	13090.2
37.5°	13923.6	13831.8	13951.8	13920.1	13856.5	13902.4	13877.7	13905.9	13973.0	13817.6
40°	14735.8	14622.8	14785.2	14728.7	14668.7	14661.6	14675.7	14693.4	14781.7	14608.6
42.5°	15604.4	15484.4	15728.0	15639.8	15555.0	15498.5	15544.4	15579.7	15664.5	15470.3
45°	16596.7	16459.0	16776.8	16670.9	16536.7	16420.2	16494.3	16547.3	16670.9	16437.8
47.5°	17691.4	17536.0	17875.0	17843.2	17624.3	17370.0	17539.5	17691.4	17783.2	17500.7
50°	18761.3	18641.3	19086.2	19125.1	18856.7	18500.0	18736.6	18966.2	18990.9	18620.1
52.5°	19764.2	19644.2	20290.4	20534.0	20293.9	19870.1	20120.9	20353.9	20166.8	19686.5
55°	20565.8	20466.9	21289.7	21918.3	21999.5	21649.9	21798.2	21791.1	21176.7	20438.7
57.5°	20760.0	20745.9	21784.1	23115.3	23962.8	24005.2	23712.1	22963.5	21639.3	20647.0
60°	19877.2	19965.5	21392.1	23740.4	26000.3	26939.6	25671.9	23535.6	21113.1	19736.0
62.5°	17235.9	17468.9	19188.6	22977.6	27645.9	30315.5	27243.3	22666.9	18952.0	17154.6
65°	12352.2	12758.3	14658.1	19608.8	27497.6	33281.7	27017.3	19449.9	14799.3	12726.5
67.5°	5604.0	6017.2	7631.0	13425.7	23902.8	32476.6	23846.3	13566.9	8012.3	6038.4
70°	2030.4	2101.1	2620.2	5374.5	15276.0	25876.7	15929.3	5413.4	2786.1	2238.8
72.5°	1228.9	1239.5	1348.9	1924.5	5307.4	15710.4	5533.4	1988.1	1377.2	1221.8
75°	780.4	773.3	960.5	1175.9	1882.1	5300.4	1973.9	1175.9	957.0	872.2
77.5°	561.5	579.1	688.6	879.3	1186.5	1797.4	1165.3	840.4	688.6	565.0
80°	420.2	430.8	501.4	685.1	833.4	1119.4	741.6	621.5	519.1	353.1
82.5°	303.7	303.7	328.4	497.9	508.5	603.8	402.6	437.9	342.5	250.7
85°	180.1	176.6	204.8	296.6	264.8	222.5	183.6	268.4	215.4	155.4
87.5°	63.6	67.1	63.6	84.7	70.6	60.0	56.5	74.2	60.0	53.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
8376.0
8425.5
8542.0
8718.6
8930.4
9149.4
9389.5
9717.9
10088.7
10487.7
10936.2
11402.3
11910.8
12507.6
13178.5
13913.0
14665.1
15572.7
16557.9
17596.0
18666.0
19700.7
20463.4
20583.5
19573.5
17048.7
12574.7
5950.1
2210.5
1243.0
879.3
575.6
363.7
250.7
151.8
49.4
0.0

OF REPORT)