

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: P957367

Luminaire Tested: **GALN-SB9D-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 97067 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

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

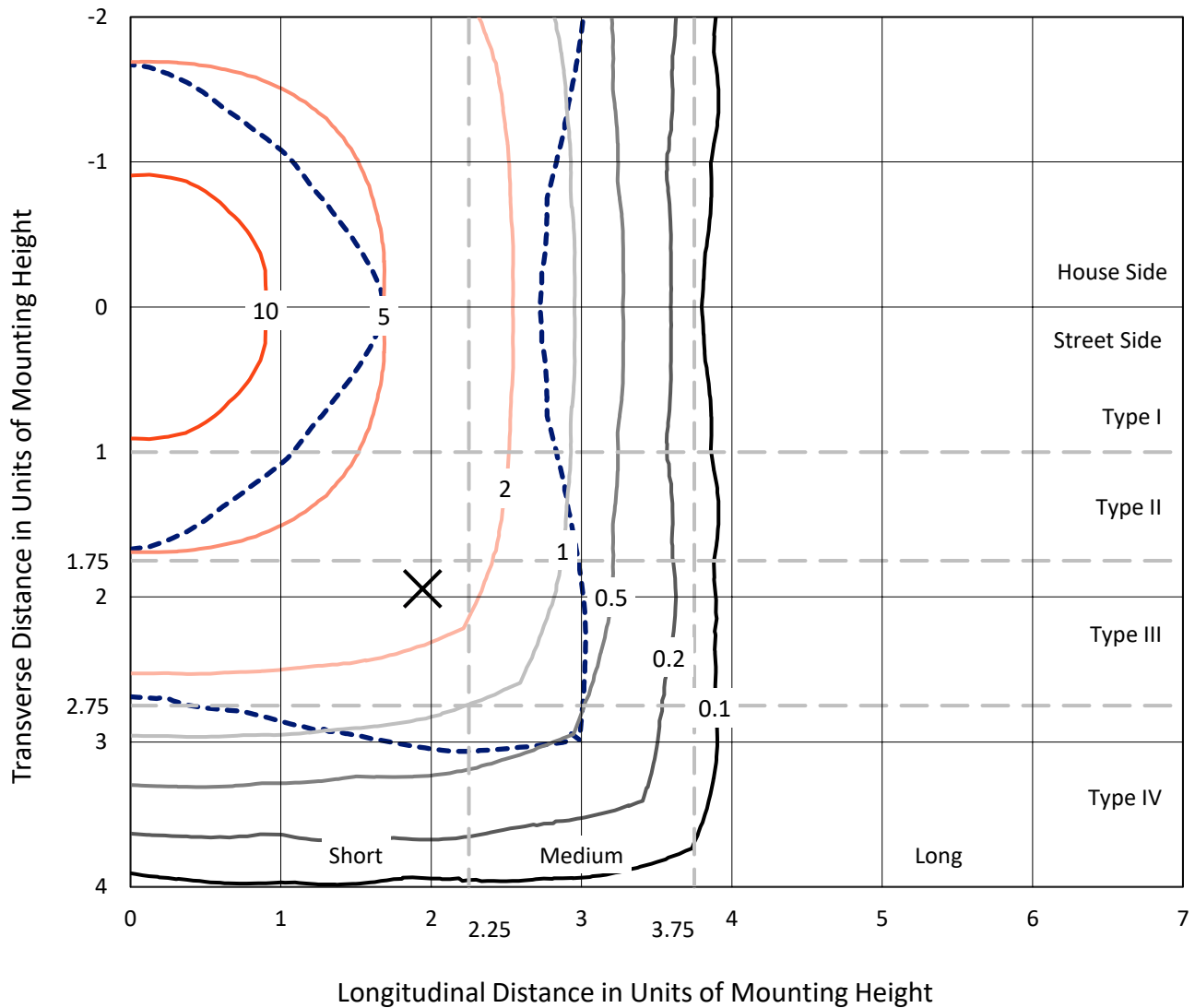


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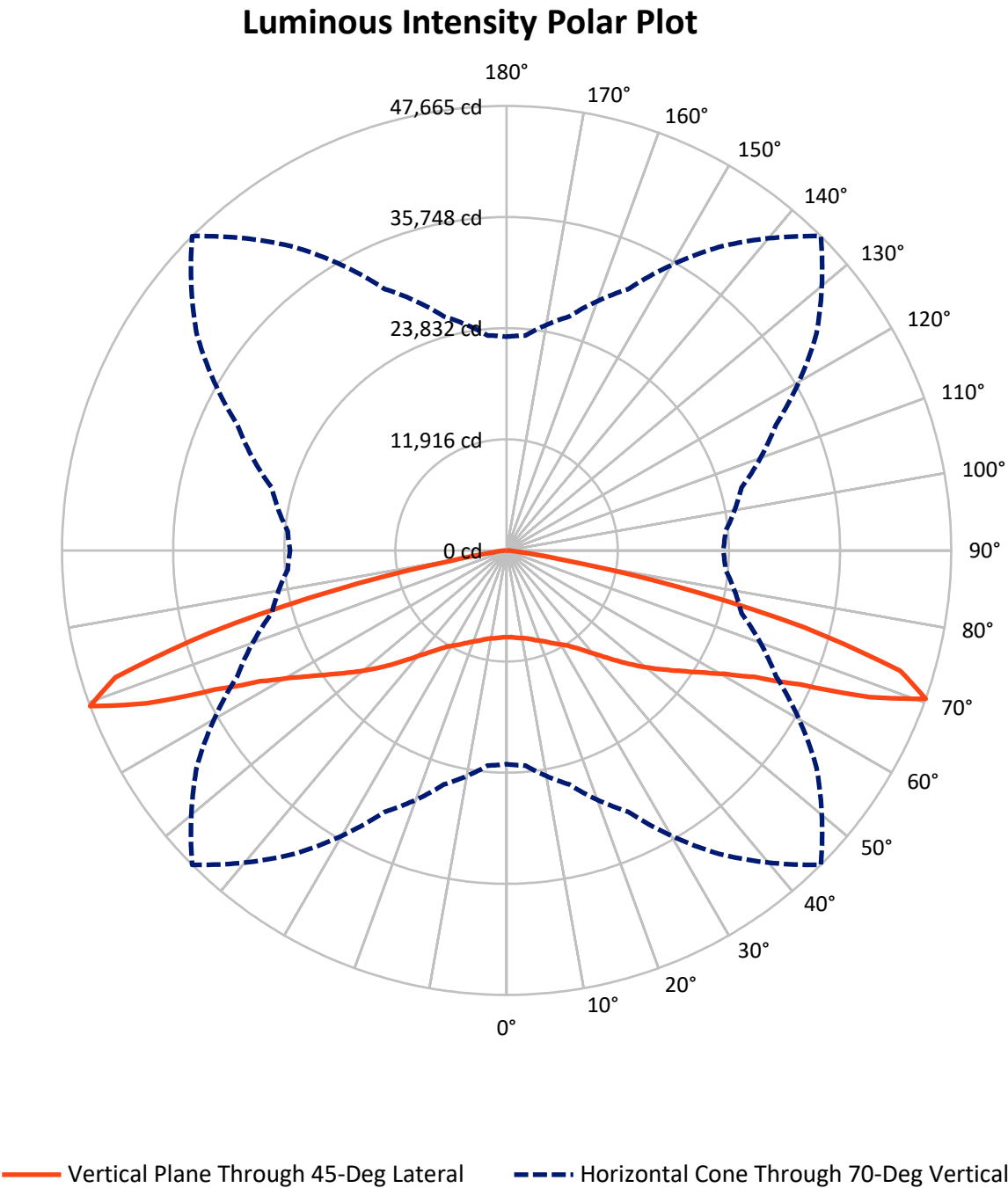
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc
Type V - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48533.5	0.0	48533.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	48533.5	0.0	48533.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	97067.0	0.0	97067.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	903.3	0.9
10°-20°	2801.0	2.9
20°-30°	5005.8	5.2
30°-40°	8114.3	8.4
40°-50°	13216.9	13.6
50°-60°	20151.3	20.8
60°-70°	29978.7	30.9
70°-80°	16339.4	16.8
80°-90°	556.4	0.6
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°	97067.0	100.0
0°-180°	97067.0	100.0

Coefficient of Utilization



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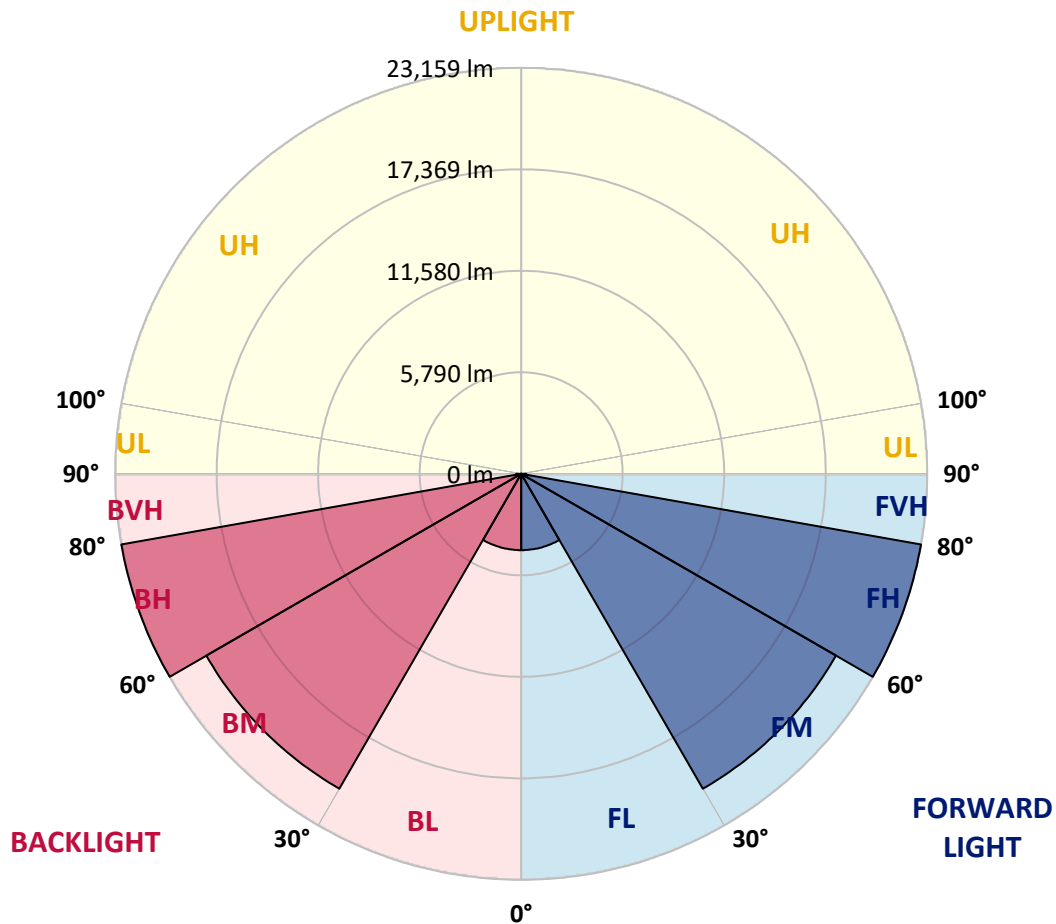
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4355.1	4.5			
FM	(30°-60°)	20741.2	21.4			
FH	(60°-80°)	23159.0	23.9			G5
FVH	(80°-90°)	278.2	0.3			G3/500
BL	(0°-30°)	4355.1	4.5	B4/5000		
BM	(30°-60°)	20741.2	21.4	B5		
BH	(60°-80°)	23159.0	23.9	B5		G5
BVH	(80°-90°)	278.2	0.3			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°	90°
0°	9298.0	9298.0	9298.0	9298.0	9298.0	9298.0	9298.0	9298.0	9298.0	9298.0	9298.0
2.5°	9341.9	9351.6	9332.1	9322.4	9312.6	9298.0	9302.9	9327.3	9346.7	9341.9	9346.7
5°	9419.8	9429.6	9415.0	9410.1	9390.6	9385.7	9385.7	9410.1	9424.7	9415.0	9419.8
7.5°	9507.6	9522.2	9497.8	9492.9	9483.2	9473.4	9468.6	9492.9	9507.6	9507.6	9507.6
10°	9590.4	9605.0	9585.5	9570.9	9561.2	9561.2	9551.4	9570.9	9595.3	9590.4	9590.4
12.5°	9678.1	9687.9	9668.4	9658.6	9658.6	9673.2	9658.6	9668.4	9687.9	9678.1	9673.2
15°	9785.3	9790.2	9785.3	9800.0	9824.3	9873.0	9829.2	9819.4	9829.2	9804.8	9804.8
17.5°	9931.5	9941.3	9960.8	9994.9	10029.0	10116.7	10038.7	10014.4	10014.4	9965.6	9965.6
20°	10111.8	10126.5	10155.7	10214.2	10258.0	10340.9	10262.9	10228.8	10214.2	10150.8	10150.8
22.5°	10301.9	10326.3	10370.1	10448.1	10526.1	10604.0	10526.1	10467.6	10423.7	10340.9	10336.0
25°	10521.2	10550.4	10618.6	10745.3	10852.6	10964.6	10872.0	10755.1	10667.4	10550.4	10545.5
27.5°	10833.1	10867.2	10950.0	11106.0	11242.4	11339.9	11252.2	11101.1	10979.3	10837.9	10833.1
30°	11271.6	11305.8	11403.2	11568.9	11661.5	11724.9	11666.4	11549.4	11403.2	11242.4	11242.4
32.5°	11836.9	11880.8	11988.0	12143.9	12163.4	12173.2	12153.7	12095.2	11988.0	11793.1	11798.0
35°	12553.3	12602.0	12723.9	12850.6	12831.1	12850.6	12821.3	12801.8	12723.9	12499.7	12499.7
37.5°	13430.5	13488.9	13615.6	13713.1	13664.4	13640.0	13644.9	13649.8	13605.9	13357.4	13357.4
40°	14449.0	14526.9	14619.5	14721.9	14639.0	14565.9	14614.6	14653.6	14614.6	14361.2	14361.2
42.5°	15496.7	15608.8	15706.2	15852.4	15784.2	15691.6	15759.8	15803.7	15720.9	15448.0	15467.5
45°	16661.4	16768.6	16895.3	17114.6	17065.9	16968.4	17065.9	17075.6	16934.3	16612.6	16646.8
47.5°	17865.1	17977.1	18167.2	18459.6	18440.1	18332.9	18459.6	18391.4	18211.0	17826.1	17801.7
50°	19005.4	19161.3	19453.7	19863.1	19902.0	19770.5	19941.0	19809.4	19507.3	19024.9	19015.1
52.5°	20077.5	20243.2	20706.1	21261.7	21403.0	21232.4	21461.5	21232.4	20779.2	20160.3	20101.8
55°	21203.2	21388.4	21939.0	22665.1	22947.8	22821.1	23035.5	22689.5	22046.2	21295.8	21193.4
57.5°	22528.7	22640.8	23298.6	24161.2	24638.8	24668.0	24765.5	24180.7	23401.0	22548.2	22431.2
60°	23966.3	24122.2	24838.6	25871.7	26627.0	26870.7	26768.3	25900.9	24994.5	24015.0	23859.1
62.5°	25808.3	25978.9	26836.6	28074.3	29268.3	29872.6	29472.9	28215.7	27094.8	25920.4	25715.7
65°	27333.6	27523.7	29073.3	31280.9	33454.3	34667.8	33663.9	31349.1	29331.6	27674.7	27401.9
67.5°	26227.4	26461.3	28893.0	32947.5	38351.9	41972.6	38537.1	33444.6	29492.4	27245.9	26909.7
70°	22923.4	23142.7	25978.9	30934.9	39731.0	47664.5	40559.4	31846.2	26071.5	23556.9	23220.7
72.5°	15218.9	15925.5	18795.8	24741.1	35476.7	44107.1	35827.6	24239.2	17436.2	15184.8	14692.6
75°	5048.6	5613.9	7572.9	12826.2	23761.6	32986.5	22621.3	11349.6	5998.9	4317.6	4083.7
77.5°	1271.9	1466.8	2022.4	3669.5	9478.3	18781.2	8532.9	2997.0	1632.5	1140.3	1018.5
80°	618.9	682.2	974.6	1223.2	2373.2	5969.6	2227.0	1150.1	770.0	594.5	545.8
82.5°	341.1	346.0	550.7	692.0	882.0	1544.8	916.2	672.5	443.5	360.6	360.6
85°	209.5	204.7	292.4	370.4	370.4	550.7	438.6	370.4	253.4	224.2	233.9
87.5°	82.8	82.8	107.2	117.0	102.3	141.3	112.1	121.8	97.5	92.6	97.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)