

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: P944513

Luminaire Tested: **GALN-SB9C-730-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67481 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 449.8
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



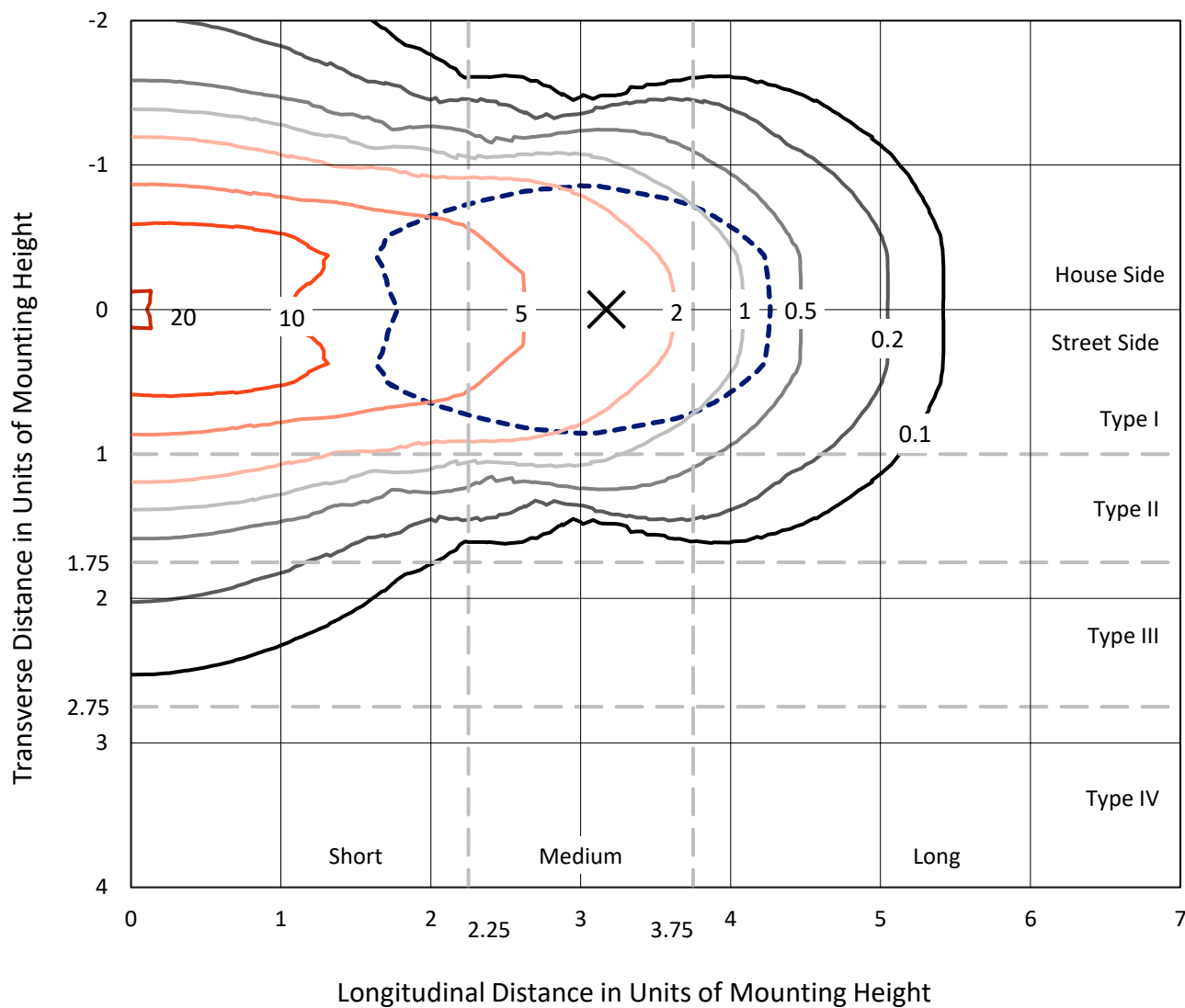
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

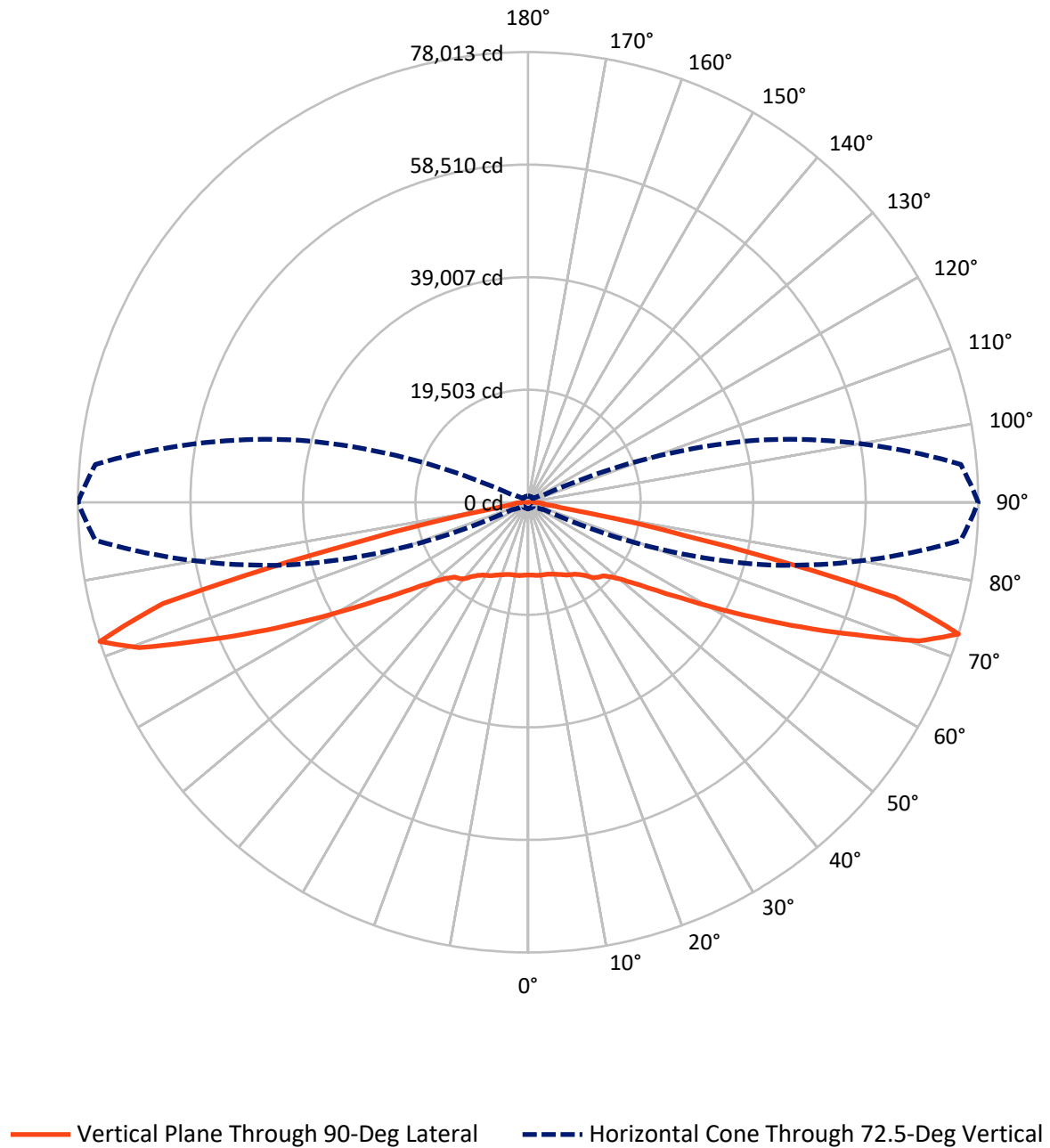


Based on 25 foot mounting height. Maximum calculated value = 20.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33740.5	0.0	33740.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33740.5	0.0	33740.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	67481.0	0.0	67481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1222.6	1.8
10°-20°	3738.4	5.5
20°-30°	6233.4	9.2
30°-40°	8572.8	12.7
40°-50°	10469.8	15.5
50°-60°	12109.4	17.9
60°-70°	14438.5	21.4
70°-80°	10077.1	14.9
80°-90°	618.9	0.9
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°	67481.0	100.0
0°-180°	67481.0	100.0

Coefficient of Utilization



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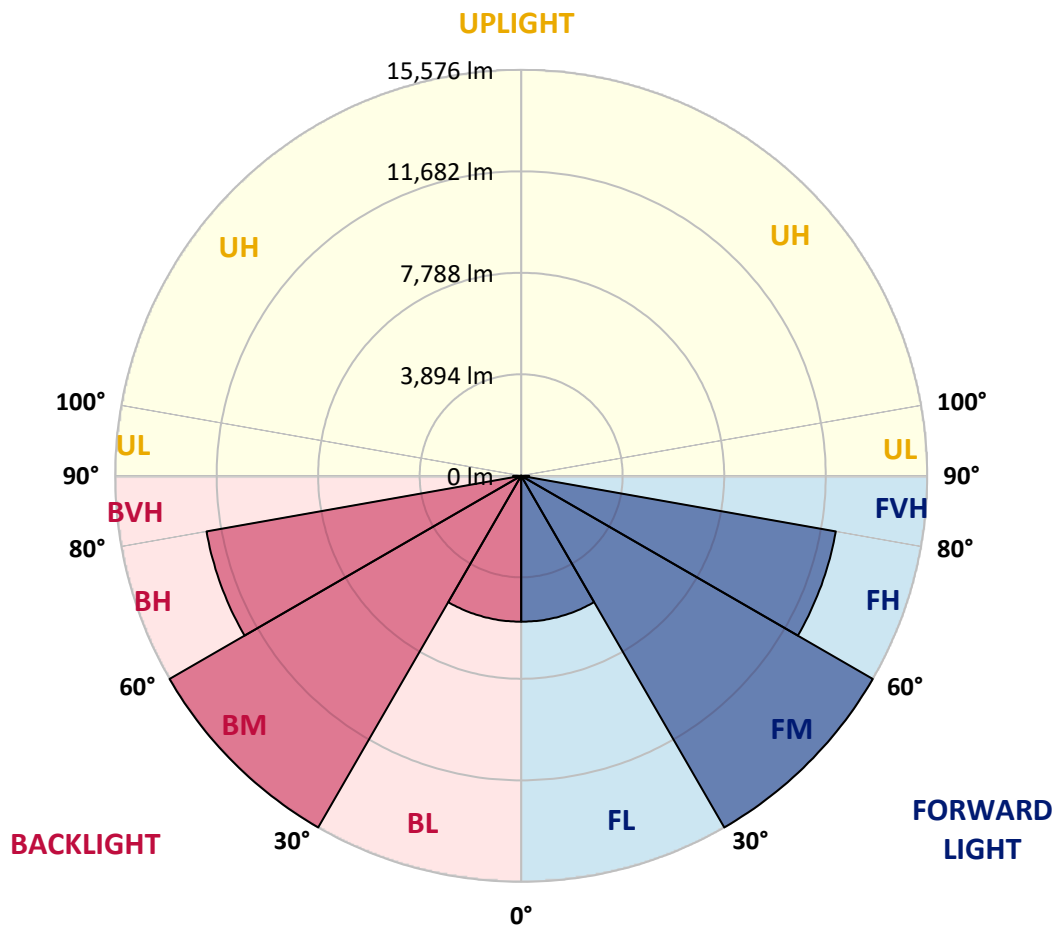
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5597.2	8.3			
FM	(30°-60°)	15576.0	23.1			
FH	(60°-80°)	12257.8	18.2			G5
FVH	(80°-90°)	309.5	0.5			G3/500
BL	(0°-30°)	5597.2	8.3	B5		
BM	(30°-60°)	15576.0	23.1	B5		
BH	(60°-80°)	12257.8	18.2	B5		G5
BVH	(80°-90°)	309.5	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12609.5	12609.5	12609.5	12609.5	12609.5	12609.5	12609.5	12609.5	12609.5	12609.5	12609.5
2.5°	12620.3	12634.6	12634.6	12623.9	12649.0	12627.5	12627.5	12616.7	12627.5	12616.7	12616.7
5°	12684.9	12702.8	12710.0	12706.4	12738.6	12720.7	12720.7	12706.4	12710.0	12699.2	12699.2
7.5°	12806.8	12831.9	12846.2	12864.2	12910.8	12889.3	12874.9	12831.9	12814.0	12785.3	12785.3
10°	12846.2	12874.9	12921.5	13014.8	13122.4	13126.0	13082.9	12975.3	12892.9	12828.3	12817.5
12.5°	12724.3	12763.7	12860.6	13050.7	13290.9	13387.8	13319.6	13140.3	12978.9	12864.2	12846.2
15°	12570.1	12613.1	12760.2	13047.1	13402.1	13628.1	13620.9	13384.2	13126.0	12946.7	12918.0
17.5°	12329.8	12372.8	12584.4	12986.1	13488.2	13861.2	13961.6	13717.7	13355.5	13115.2	13075.8
20°	11895.9	11935.3	12229.4	12792.4	13516.9	14108.6	14370.4	14155.2	13703.4	13377.0	13316.0
22.5°	11332.8	11393.8	11738.1	12458.9	13448.7	14366.8	14836.6	14689.6	14108.6	13656.7	13574.3
25°	10730.3	10794.9	11196.5	12050.1	13273.0	14553.3	15388.9	15295.7	14567.7	14004.6	13889.9
27.5°	10210.3	10278.4	10716.0	11644.8	13000.4	14625.1	15934.1	15980.7	15123.6	14388.4	14266.4
30°	9801.4	9866.0	10332.2	11318.5	12649.0	14553.3	16411.0	16733.8	15690.2	14721.9	14546.2
32.5°	9353.1	9435.6	9927.0	10920.4	12233.0	14381.2	16827.1	17547.9	16346.5	15080.5	14858.2
35°	8786.5	8861.8	9378.3	10375.3	11687.9	14105.0	17174.9	18451.7	17286.1	15625.6	15378.2
37.5°	8097.9	8169.7	8682.5	9693.9	11146.3	13717.7	17440.3	19470.2	18405.0	16411.0	16081.1
40°	7405.8	7473.9	7954.5	8933.5	10497.2	13222.8	17533.6	20467.2	19689.0	17490.5	17139.1
42.5°	6771.0	6832.0	7273.1	8184.0	9769.2	12591.6	17411.6	21335.1	20840.2	18243.7	17791.8
45°	6186.4	6240.2	6631.1	7481.1	9012.4	11824.1	17045.8	22267.5	22210.1	18781.6	18171.9
47.5°	5519.4	5573.2	5978.4	6799.7	8255.7	10924.0	16425.4	23185.6	24114.5	20001.0	19298.0
50°	4705.3	4751.9	5167.9	6014.3	7470.3	9966.4	15564.7	23906.5	26517.3	21847.9	20965.7
52.5°	3740.5	3790.8	4196.0	5042.4	6537.9	8937.1	14431.4	24376.3	29293.1	24544.8	23458.2
55°	2783.0	2818.9	3170.3	3930.6	5383.1	7764.4	13011.2	24509.0	32441.9	28231.6	26872.4
57.5°	2019.1	2040.6	2266.6	2833.2	4081.2	6297.6	11286.2	24164.7	36189.7	32958.4	31247.7
60°	1635.4	1642.5	1710.7	1961.7	2836.8	4640.7	9202.5	22981.2	40256.6	39051.6	36896.2
62.5°	1484.7	1484.7	1502.7	1570.8	1918.7	3062.7	6681.3	20528.2	44617.5	46751.4	43864.4
65°	1380.7	1380.7	1387.9	1420.2	1513.4	1951.0	4217.5	16533.0	48293.5	55771.0	52120.1
67.5°	1287.5	1291.1	1287.5	1298.3	1352.0	1441.7	2445.9	11418.9	50273.2	65117.0	61175.6
70°	1190.7	1197.8	1179.9	1179.9	1222.9	1226.5	1531.4	6261.7	48630.6	72949.5	71913.1
72.5°	1075.9	1086.7	1058.0	1050.8	1083.1	1068.7	1151.2	3005.3	41752.1	75287.8	78013.4
75°	975.5	989.8	925.3	907.3	907.3	896.6	936.0	1542.1	27098.3	61415.9	65690.8
77.5°	885.8	914.5	810.5	753.1	738.8	706.5	763.9	943.2	11852.8	28834.1	28235.2
80°	731.6	771.1	667.1	598.9	573.8	537.9	602.5	659.9	3525.4	6695.7	6412.4
82.5°	545.1	563.1	473.4	426.8	405.3	380.2	451.9	459.1	1147.6	2370.6	2679.0
85°	347.9	355.0	290.5	251.0	240.3	229.5	286.9	251.0	437.5	1743.0	2531.9
87.5°	121.9	139.9	111.2	100.4	107.6	89.7	132.7	75.3	121.9	1230.1	1524.2
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)