

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: P945166

Luminaire Tested: **GALN-SB1A-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945166
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-SB1A-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3269 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

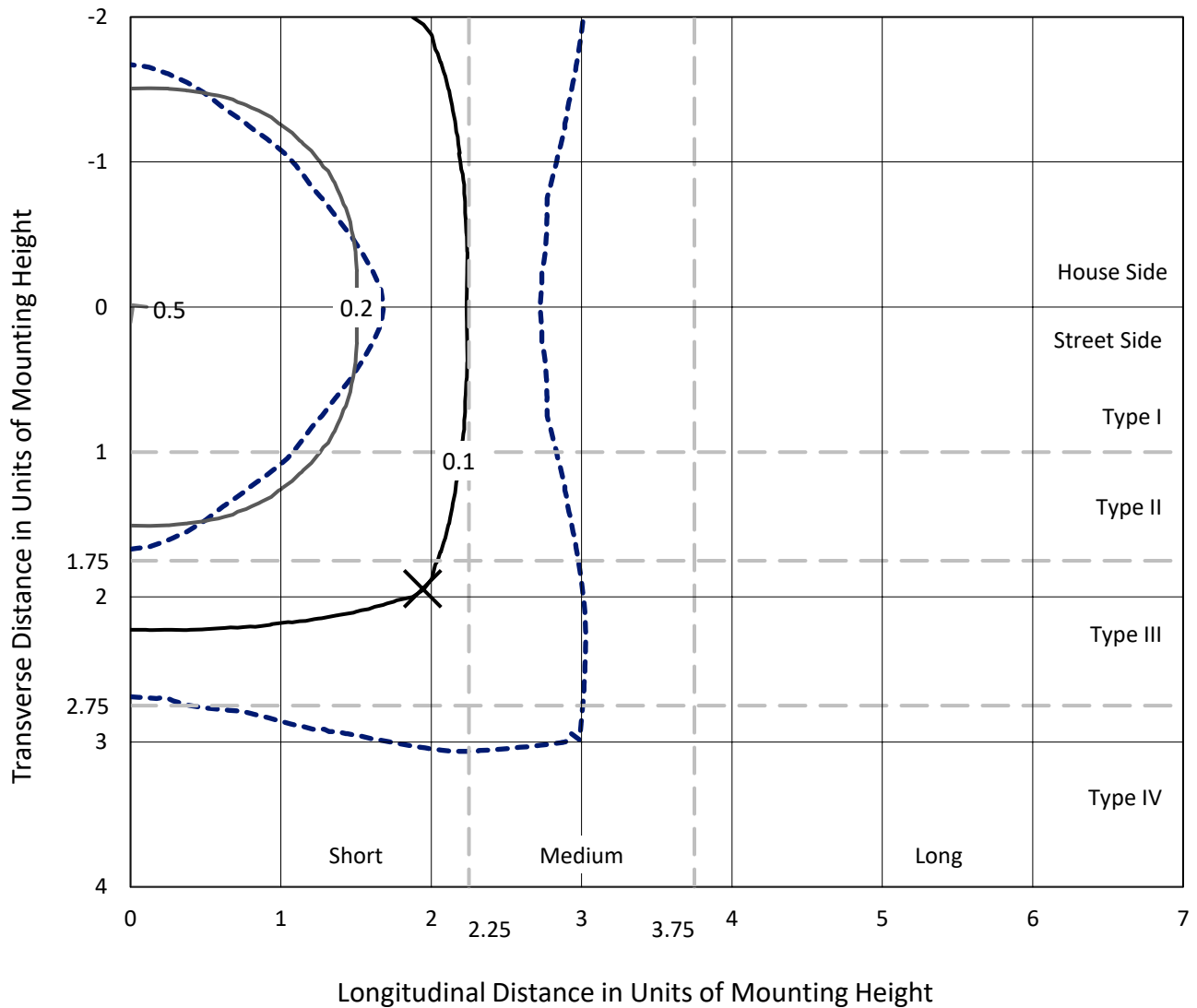
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

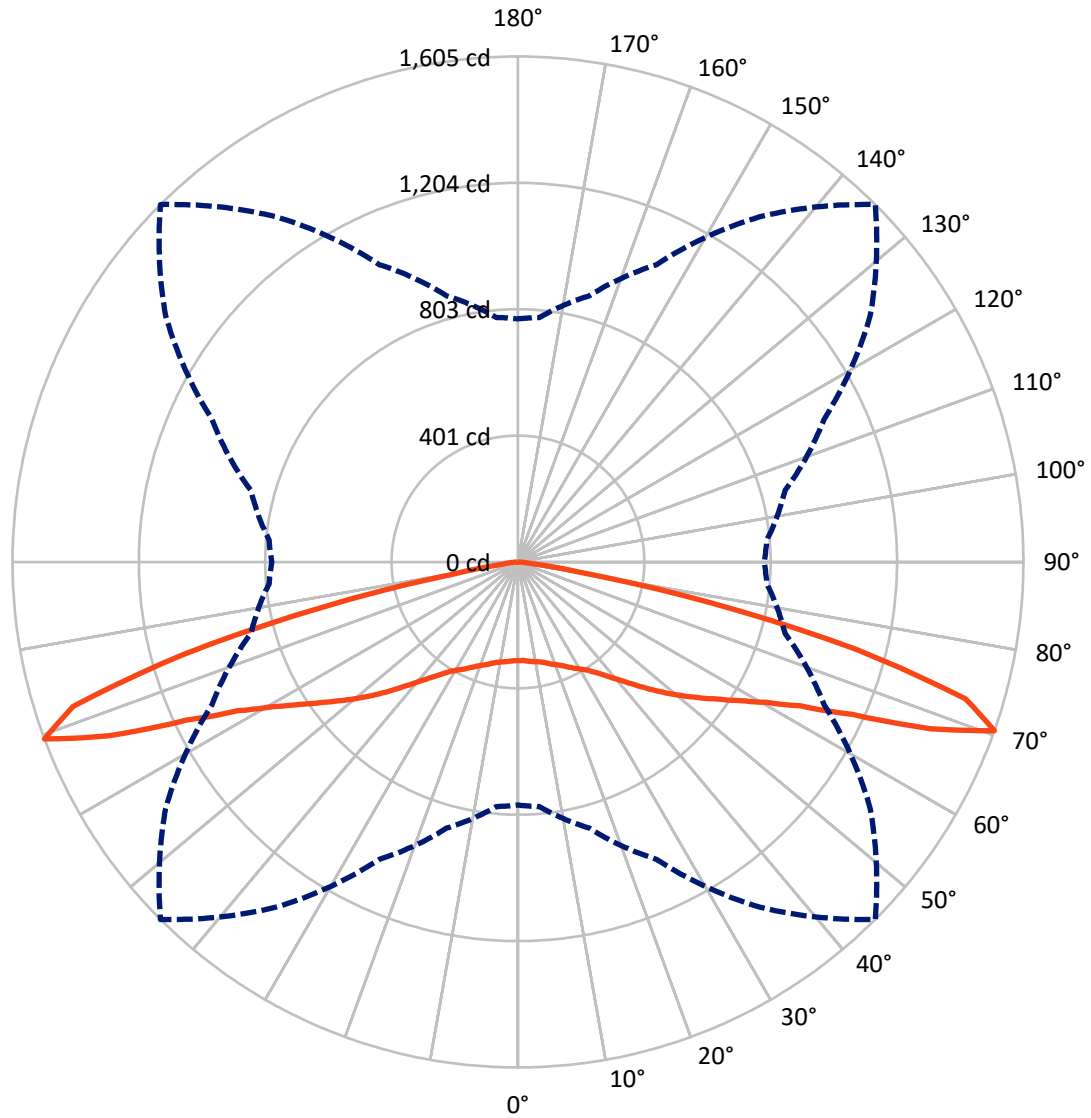
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1634.5	0.0	1634.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1634.5	0.0	1634.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3269.0	0.0	3269.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	0.9
10°-20°	94.3	2.9
20°-30°	168.6	5.2
30°-40°	273.3	8.4
40°-50°	445.1	13.6
50°-60°	678.7	20.8
60°-70°	1009.6	30.9
70°-80°	550.3	16.8
80°-90°	18.7	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°	3269.0	100.0
0°-180°	3269.0	100.0



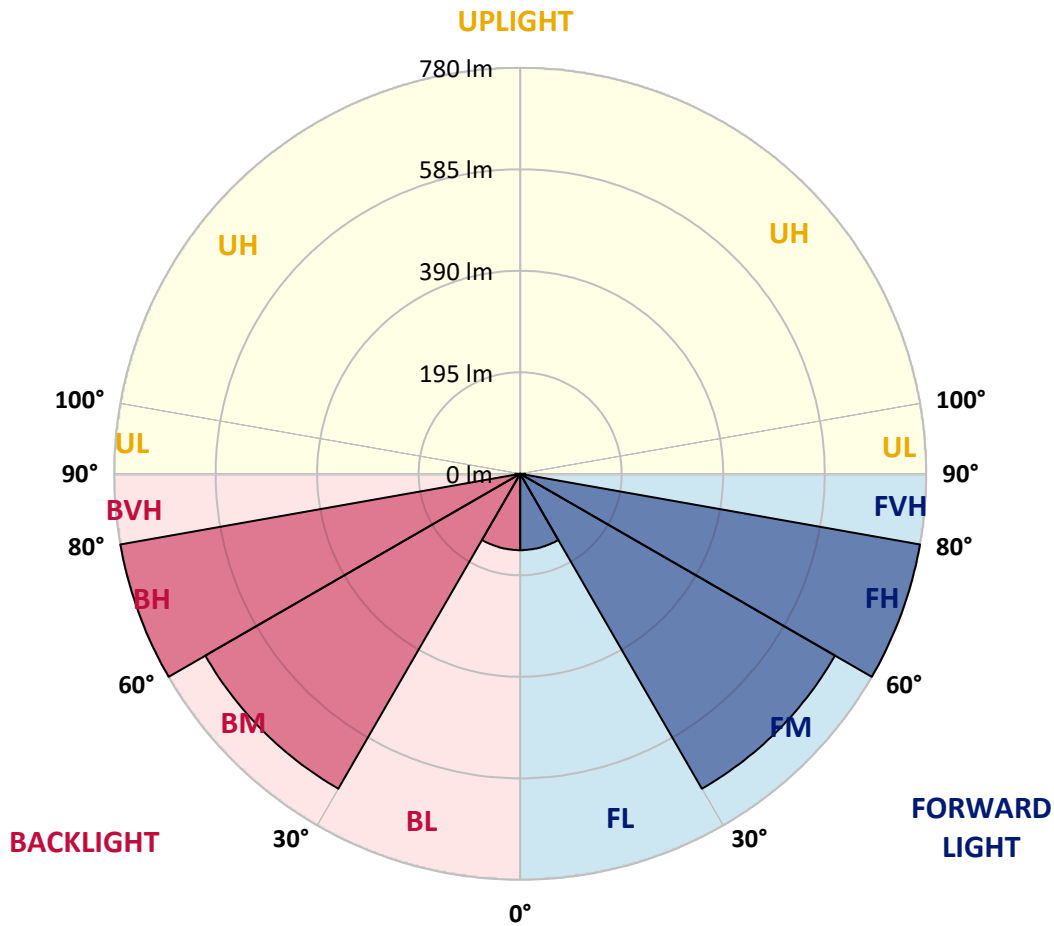
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.7	4.5			
FM (30°-60°)	698.5	21.4			
FH (60°-80°)	779.9	23.9			G1/1800
FVH (80°-90°)	9.4	0.3			G0/10
BL (0°-30°)	146.7	4.5	B1/500		
BM (30°-60°)	698.5	21.4	B1/1000		
BH (60°-80°)	779.9	23.9	B2/1000		G1/1800
BVH (80°-90°)	9.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	313.1	313.1	313.1	313.1	313.1	313.1	313.1	313.1	313.1	313.1
2.5°	314.6	314.9	314.3	314.0	313.6	313.1	313.3	314.1	314.8	314.6
5°	317.2	317.6	317.1	316.9	316.3	316.1	316.1	316.9	317.4	317.1
7.5°	320.2	320.7	319.9	319.7	319.4	319.0	318.9	319.7	320.2	320.2
10°	323.0	323.5	322.8	322.3	322.0	322.0	321.7	322.3	323.1	323.0
12.5°	325.9	326.3	325.6	325.3	325.3	325.8	325.3	325.6	326.3	325.9
15°	329.5	329.7	329.5	330.0	330.9	332.5	331.0	330.7	331.0	330.2
17.5°	334.5	334.8	335.5	336.6	337.8	340.7	338.1	337.3	337.3	335.6
20°	340.5	341.0	342.0	344.0	345.5	348.3	345.6	344.5	344.0	341.9
22.5°	346.9	347.8	349.2	351.9	354.5	357.1	354.5	352.5	351.0	348.3
25°	354.3	355.3	357.6	361.9	365.5	369.3	366.1	362.2	359.3	355.3
27.5°	364.8	366.0	368.8	374.0	378.6	381.9	378.9	373.9	369.8	365.0
30°	379.6	380.8	384.0	389.6	392.7	394.9	392.9	389.0	384.0	378.6
32.5°	398.6	400.1	403.7	409.0	409.6	410.0	409.3	407.3	403.7	397.2
35°	422.8	424.4	428.5	432.8	432.1	432.8	431.8	431.1	428.5	421.0
37.5°	452.3	454.3	458.5	461.8	460.2	459.4	459.5	459.7	458.2	449.8
40°	486.6	489.2	492.4	495.8	493.0	490.5	492.2	493.5	492.2	483.7
42.5°	521.9	525.7	529.0	533.9	531.6	528.5	530.8	532.2	529.4	520.3
45°	561.1	564.7	569.0	576.4	574.7	571.5	574.7	575.1	570.3	559.5
47.5°	601.7	605.4	611.8	621.7	621.0	617.4	621.7	619.4	613.3	600.3
50°	640.1	645.3	655.2	668.9	670.3	665.8	671.6	667.1	657.0	640.7
52.5°	676.2	681.7	697.3	716.0	720.8	715.1	722.8	715.1	699.8	679.0
55°	714.1	720.3	738.9	763.3	772.8	768.6	775.8	764.1	742.5	717.2
57.5°	758.7	762.5	784.6	813.7	829.8	830.8	834.0	814.4	788.1	759.4
60°	807.1	812.4	836.5	871.3	896.7	904.9	901.5	872.3	841.8	808.8
62.5°	869.2	874.9	903.8	945.5	985.7	1006.0	992.6	950.2	912.5	872.9
65°	920.5	926.9	979.1	1053.5	1126.7	1167.5	1133.7	1055.8	987.8	932.0
67.5°	883.3	891.2	973.1	1109.6	1291.6	1413.5	1297.8	1126.3	993.2	917.6
70°	772.0	779.4	874.9	1041.8	1338.1	1605.2	1366.0	1072.5	878.0	793.3
72.5°	512.5	536.3	633.0	833.2	1194.8	1485.4	1206.6	816.3	587.2	511.4
75°	170.0	189.1	255.0	432.0	800.2	1110.9	761.8	382.2	202.0	145.4
77.5°	42.8	49.4	68.1	123.6	319.2	632.5	287.4	100.9	55.0	38.4
80°	20.8	23.0	32.8	41.2	79.9	201.0	75.0	38.7	25.9	20.0
82.5°	11.5	11.7	18.5	23.3	29.7	52.0	30.9	22.6	14.9	12.1
85°	7.1	6.9	9.8	12.5	12.5	18.5	14.8	12.5	8.5	7.5
87.5°	2.8	2.8	3.6	3.9	3.4	4.8	3.8	4.1	3.3	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
313.1
314.8
317.2
320.2
323.0
325.8
330.2
335.6
341.9
348.1
355.2
364.8
378.6
397.3
421.0
449.8
483.7
520.9
560.6
599.5
640.4
677.0
713.7
755.4
803.5
866.0
922.8
906.3
782.0
494.8
137.5
34.3
18.4
12.1
7.9
3.3
0.0

OF REPORT)