

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: P945443

Luminaire Tested: **GALN-SB1B-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3531 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

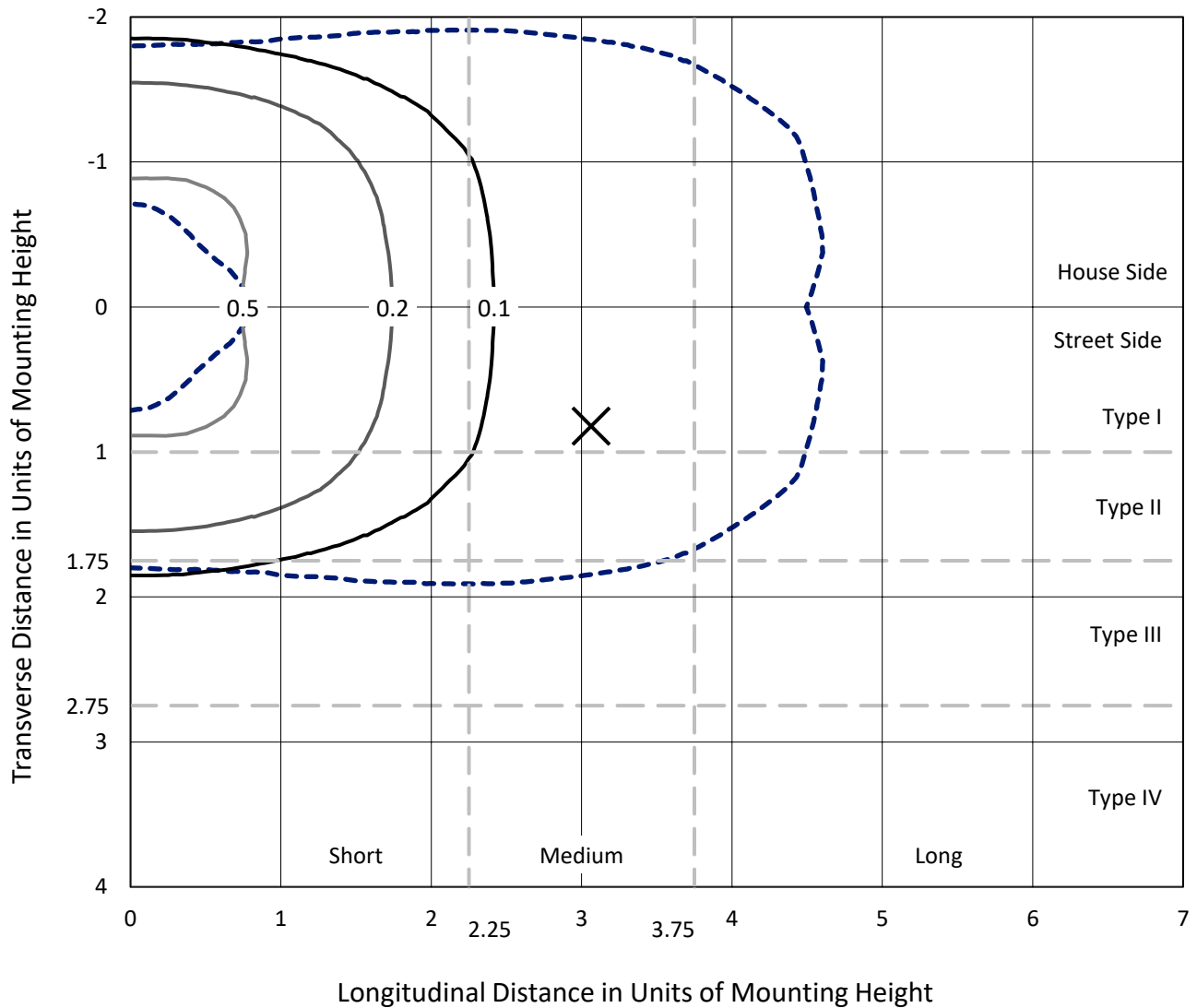
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

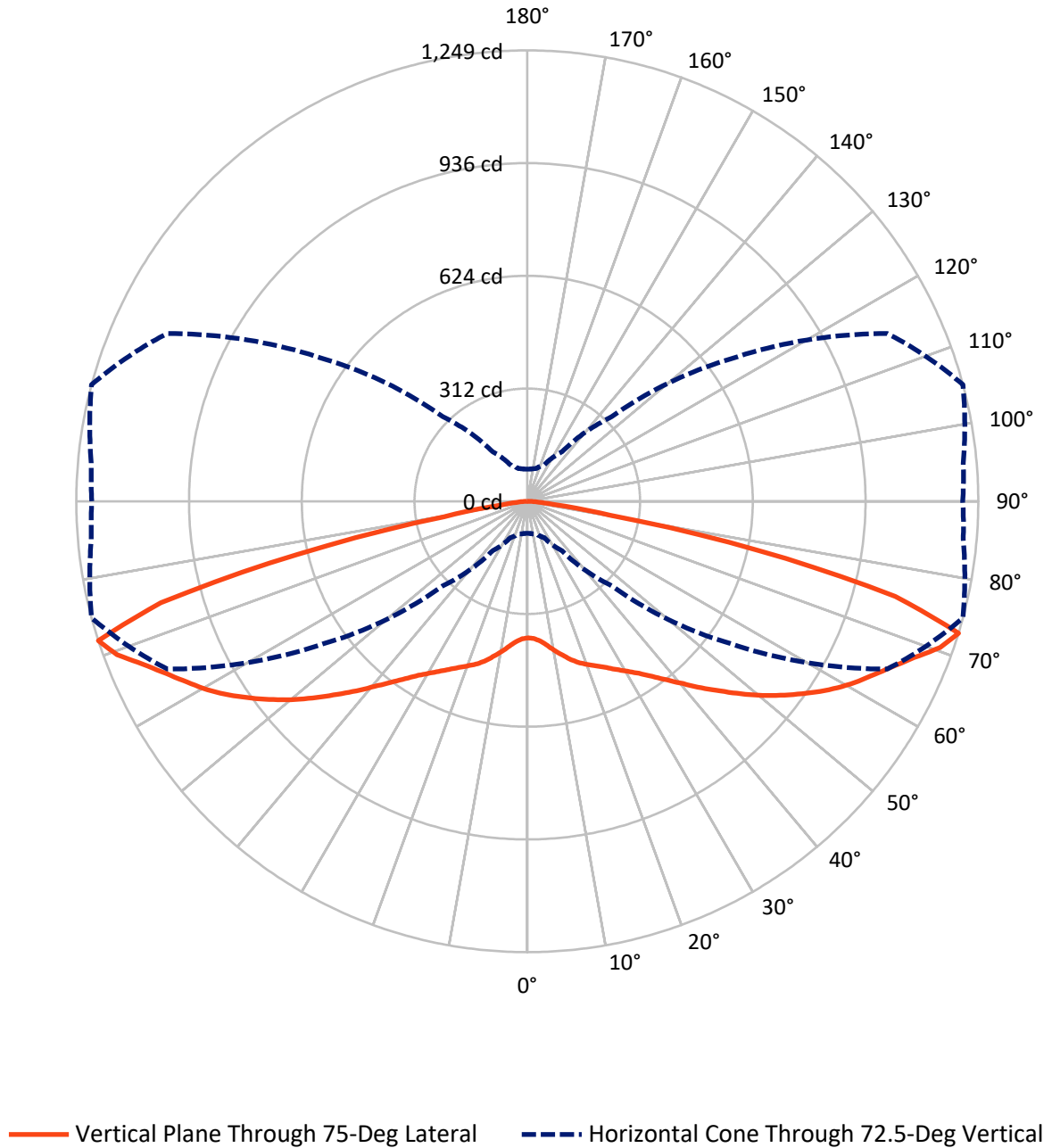
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1765.5	0.0	1765.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1765.5	0.0	1765.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3531.0	0.0	3531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.0
10°-20°	122.2	3.5
20°-30°	236.1	6.7
30°-40°	398.7	11.3
40°-50°	632.3	17.9
50°-60°	846.6	24.0
60°-70°	805.7	22.8
70°-80°	420.4	11.9
80°-90°	31.8	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°	3531.0	100.0
0°-180°	3531.0	100.0

Coefficient of Utilization



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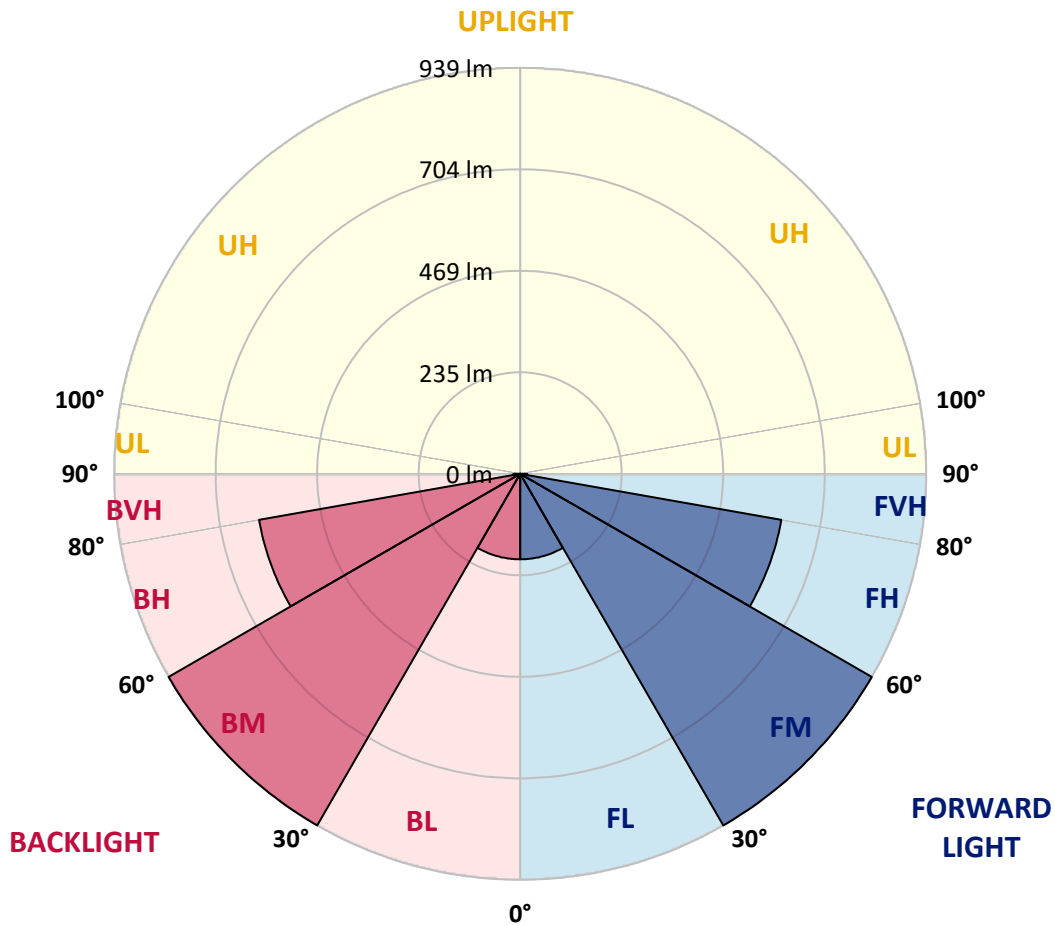
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.7	5.6			
FM (30°-60°)	938.8	26.6			
FH (60°-80°)	613.1	17.4			G0/660
FVH (80°-90°)	15.9	0.5			G1/100
BL (0°-30°)	197.7	5.6	B1/500		
BM (30°-60°)	938.8	26.6	B1/1000		
BH (60°-80°)	613.1	17.4	B2/1000		G2/1000
BVH (80°-90°)	15.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2	378.2
2.5°	378.2	377.9	378.2	378.6	378.4	378.4	379.3	379.9	380.9	380.8
5°	375.7	375.5	377.0	378.6	379.9	382.0	384.7	386.7	389.2	389.8
7.5°	374.4	373.9	376.4	379.3	383.3	388.7	393.9	399.3	403.7	405.1
10°	375.3	375.5	379.0	384.4	390.7	398.2	405.6	414.8	421.0	422.4
12.5°	379.5	379.1	384.9	393.6	402.2	411.8	420.4	430.5	437.2	440.6
15°	387.1	386.3	394.5	407.3	419.9	431.1	438.1	447.6	455.4	459.7
17.5°	396.1	396.4	407.1	423.7	440.3	452.9	459.5	464.4	470.4	474.1
20°	411.9	412.7	424.6	444.2	463.1	477.6	483.0	481.2	482.8	485.7
22.5°	433.2	433.6	446.9	468.2	488.0	503.9	507.5	500.1	495.6	497.6
25°	457.9	460.3	473.6	495.4	515.8	530.9	532.6	521.4	510.2	510.7
27.5°	488.0	490.2	503.7	525.3	546.1	559.2	559.1	544.1	527.7	523.5
30°	520.7	523.0	536.9	559.2	578.5	590.1	587.5	569.7	546.3	538.5
32.5°	559.4	560.9	574.9	597.3	615.1	624.3	619.1	597.1	567.9	559.1
35°	606.3	608.5	618.9	640.0	655.7	663.3	654.4	628.5	595.7	585.7
37.5°	659.8	658.4	670.3	689.0	702.0	706.7	694.6	663.8	627.4	615.7
40°	715.7	715.0	728.0	746.0	753.0	755.9	738.1	704.4	664.0	651.4
42.5°	766.4	765.8	783.3	803.3	811.8	808.6	786.0	747.5	706.3	691.9
45°	806.9	806.2	827.7	855.8	872.4	867.0	836.7	795.0	749.3	734.3
47.5°	838.1	838.5	861.6	896.4	925.4	927.4	888.4	843.5	796.5	779.5
50°	860.7	861.8	886.5	925.0	964.7	982.2	941.3	893.3	845.3	826.2
52.5°	866.3	868.2	898.0	943.2	989.9	1023.3	995.0	941.1	891.7	873.5
55°	836.5	840.5	878.2	941.8	1005.4	1050.3	1042.2	989.6	938.4	919.6
57.5°	768.2	773.8	817.8	900.9	1002.0	1068.9	1078.8	1036.1	985.1	967.0
60°	672.5	679.1	721.3	812.0	953.7	1075.7	1104.6	1081.3	1028.0	1010.5
62.5°	528.0	536.7	587.2	693.5	851.7	1043.8	1126.6	1122.3	1066.6	1044.7
65°	338.8	347.9	401.1	526.8	715.5	946.1	1133.4	1162.1	1107.3	1076.8
67.5°	204.3	208.4	234.7	319.3	523.0	798.8	1075.4	1206.3	1154.9	1117.0
70°	130.7	133.0	148.7	187.5	295.7	582.9	931.5	1214.6	1212.6	1158.3
72.5°	88.7	89.4	93.6	111.1	167.3	331.2	687.1	1099.5	1248.6	1211.5
75°	64.9	68.9	75.5	78.6	95.0	165.5	393.7	772.5	1052.3	1068.5
77.5°	48.3	48.5	57.7	61.3	67.8	88.2	166.6	431.2	653.3	686.0
80°	40.9	38.8	38.6	49.4	51.0	55.0	74.5	148.9	234.0	141.9
82.5°	34.1	31.7	28.7	38.6	34.8	33.7	32.3	60.6	74.5	36.6
85°	23.8	22.7	21.6	25.2	19.8	16.9	15.5	28.3	31.4	15.5
87.5°	10.3	10.6	10.8	11.2	8.3	5.9	5.9	7.9	7.9	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
378.2
380.6
389.8
405.5
423.8
442.1
461.3
475.9
487.8
499.0
511.6
524.8
539.4
561.2
587.2
617.8
655.5
695.5
737.7
784.6
832.0
878.2
924.9
971.2
1014.3
1047.3
1080.6
1119.9
1158.0
1205.7
1029.2
611.9
107.3
31.2
13.7
4.5
0.0

OF REPORT)