

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: P945506

Luminaire Tested: **GALN-SB1B-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945506  
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-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

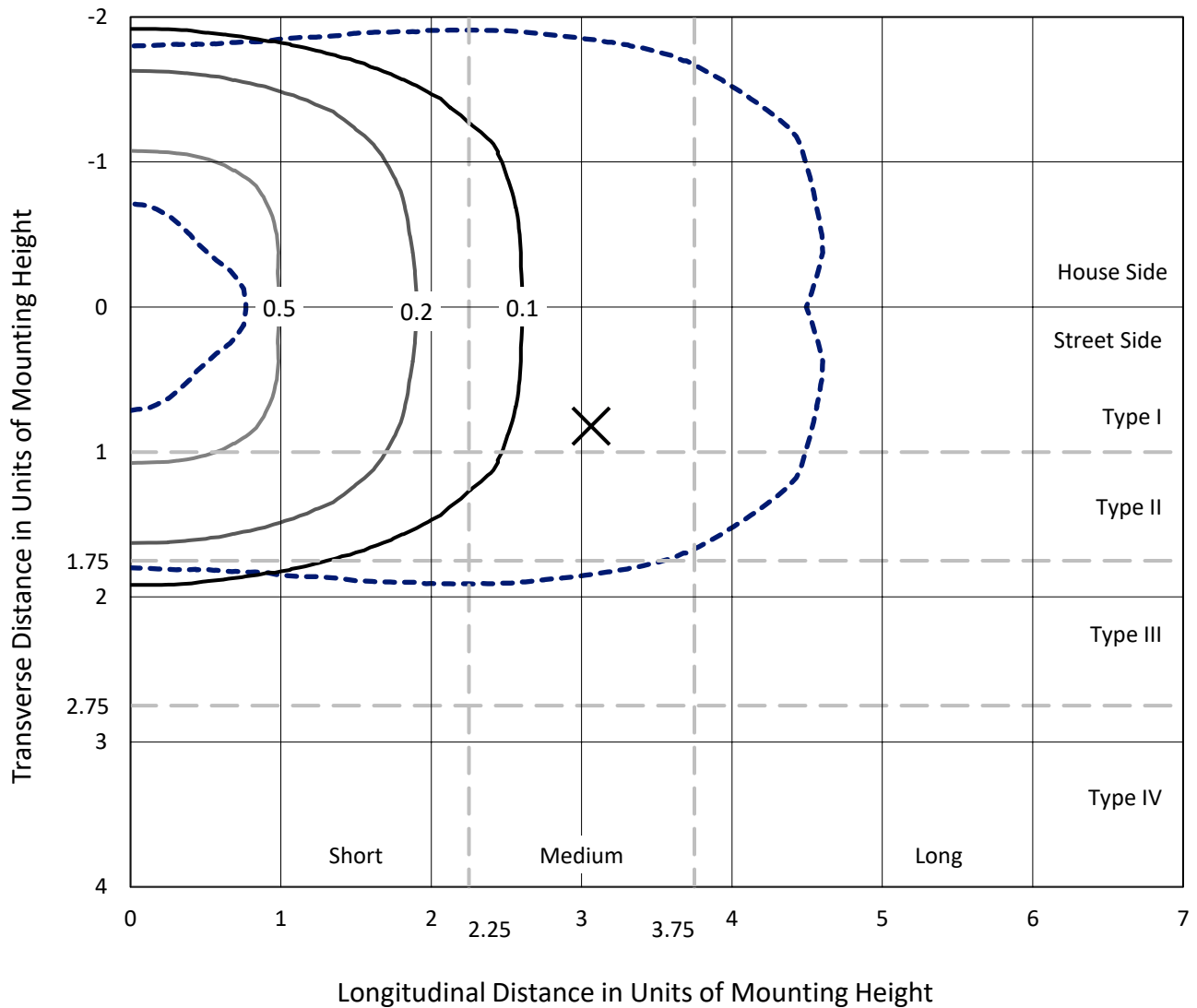
Lumens per Lamp: N/A  
Luminaire Lumens: 4203 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): 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

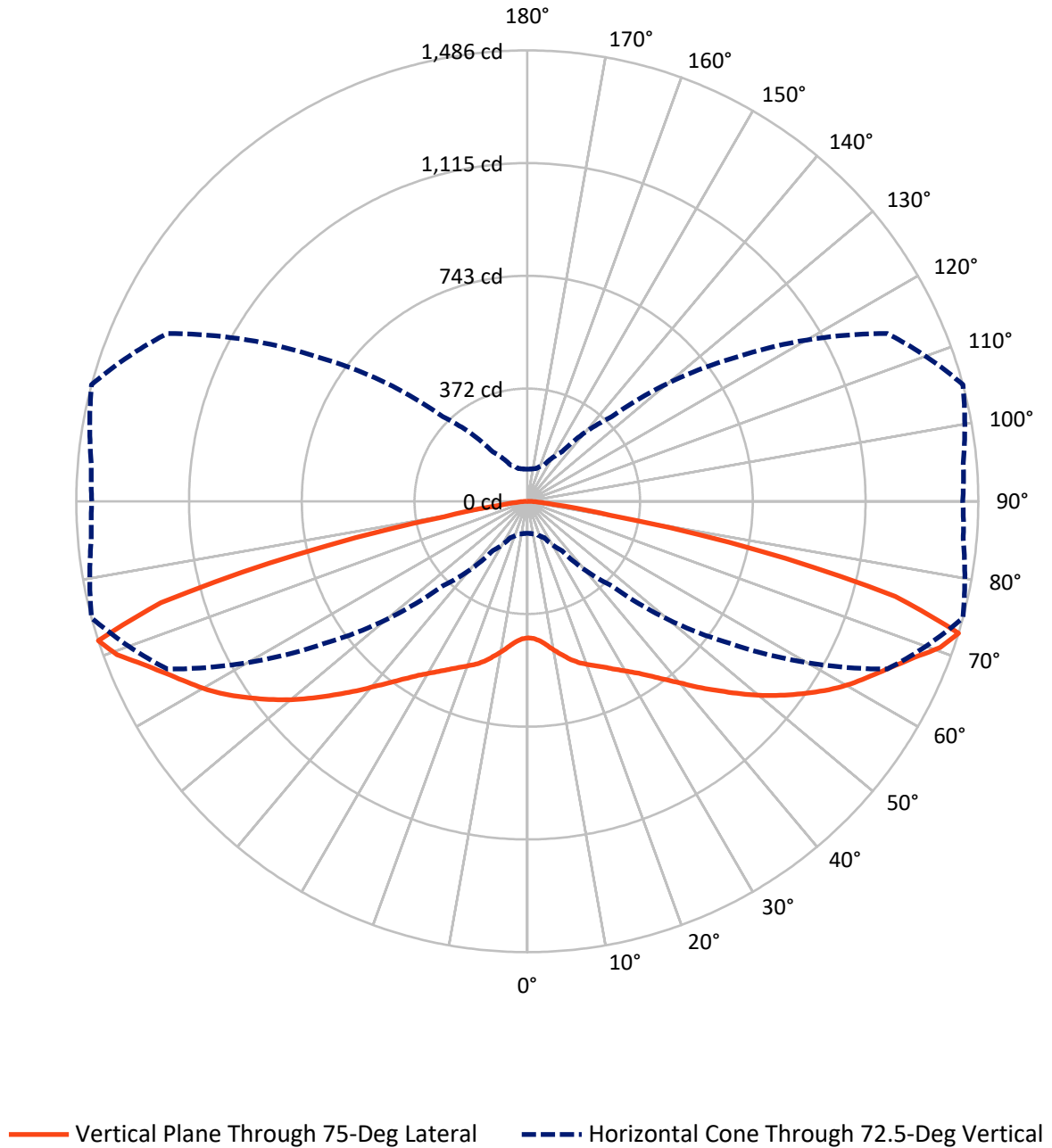
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2101.5	0.0	2101.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2101.5	0.0	2101.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4203.0	0.0	4203.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.1	1.0
10°-20°	145.5	3.5
20°-30°	281.1	6.7
30°-40°	474.6	11.3
40°-50°	752.7	17.9
50°-60°	1007.7	24.0
60°-70°	959.0	22.8
70°-80°	500.4	11.9
80°-90°	37.9	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°	4203.0	100.0
0°-180°	4203.0	100.0

**Coefficient of Utilization**



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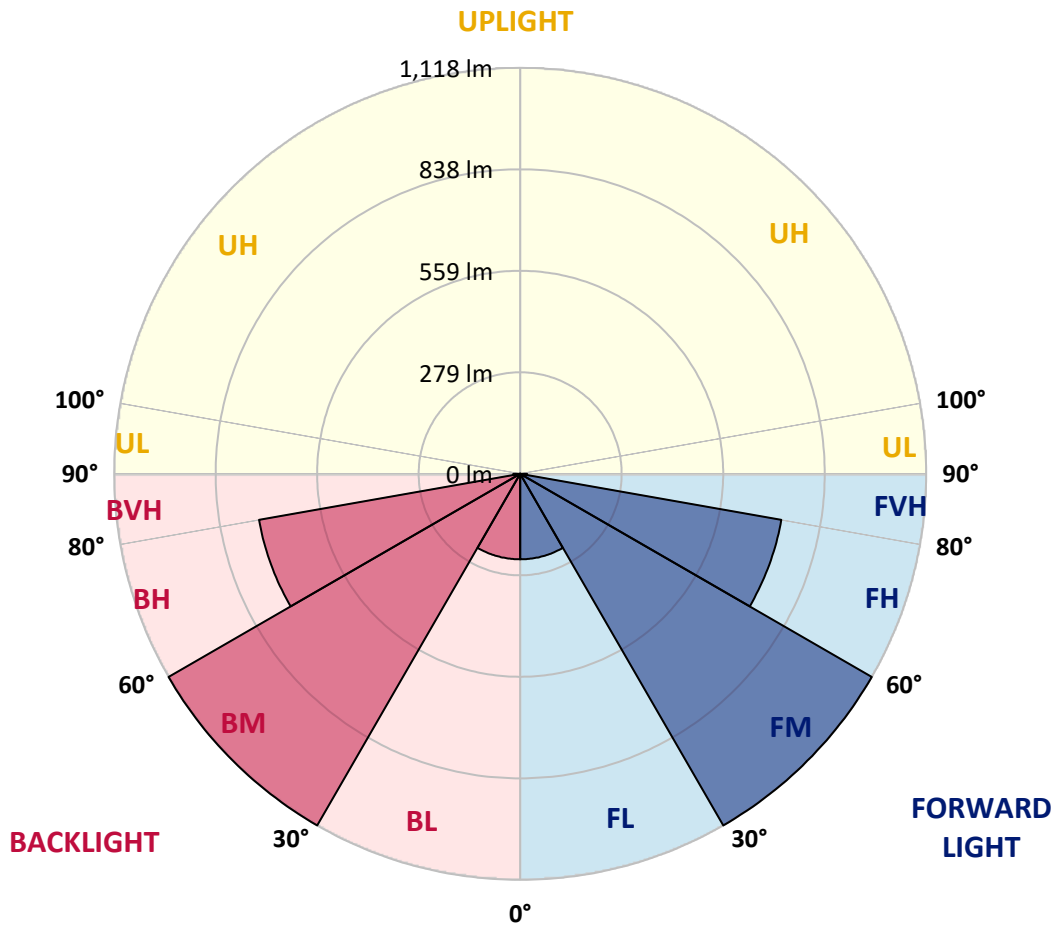
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.3	5.6			
FM (30°-60°)	1117.5	26.6			
FH (60°-80°)	729.7	17.4			G1/1800
FVH (80°-90°)	18.9	0.5			G1/100
BL (0°-30°)	235.3	5.6	B1/500		
BM (30°-60°)	1117.5	26.6	B2/2500		
BH (60°-80°)	729.7	17.4	B2/1000		G2/1000
BVH (80°-90°)	18.9	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°	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2
2.5°	450.2	449.8	450.2	450.6	450.4	450.4	451.5	452.1	453.4	453.2
5°	447.2	447.0	448.7	450.6	452.1	454.7	457.9	460.3	463.3	464.0
7.5°	445.7	445.1	448.1	451.5	456.2	462.7	468.9	475.3	480.5	482.2
10°	446.8	447.0	451.1	457.5	465.0	474.0	482.8	493.8	501.1	502.8
12.5°	451.7	451.3	458.2	468.5	478.8	490.1	500.4	512.4	520.4	524.5
15°	460.7	459.9	469.5	484.8	499.8	513.1	521.5	532.8	542.1	547.2
17.5°	471.5	471.9	484.6	504.3	524.0	539.1	547.0	552.8	559.9	564.4
20°	490.3	491.2	505.4	528.8	551.3	568.5	574.9	572.7	574.7	578.1
22.5°	515.7	516.1	532.0	557.3	580.9	599.8	604.1	595.3	589.9	592.3
25°	545.1	547.9	563.7	589.7	614.0	632.0	633.9	620.6	607.3	607.9
27.5°	580.9	583.5	599.6	625.3	650.0	665.7	665.5	647.6	628.1	623.2
30°	619.7	622.5	639.1	665.7	688.6	702.4	699.4	678.1	650.2	641.0
32.5°	665.9	667.6	684.3	710.9	732.2	743.1	736.9	710.7	676.0	665.5
35°	721.7	724.3	736.7	761.8	780.5	789.5	779.0	748.1	709.0	697.2
37.5°	785.4	783.7	797.9	820.2	835.6	841.2	826.8	790.1	746.8	732.8
40°	851.9	851.1	866.5	888.0	896.4	899.8	878.5	838.4	790.3	775.3
42.5°	912.2	911.6	932.4	956.2	966.3	962.5	935.6	889.7	840.8	823.6
45°	960.5	959.7	985.2	1018.7	1038.4	1032.0	995.9	946.4	891.8	874.0
47.5°	997.6	998.1	1025.5	1067.0	1101.5	1103.9	1057.5	1004.1	948.1	927.9
50°	1024.5	1025.8	1055.2	1101.1	1148.3	1169.1	1120.4	1063.3	1006.2	983.5
52.5°	1031.1	1033.5	1068.9	1122.8	1178.3	1218.0	1184.3	1120.2	1061.4	1039.7
55°	995.7	1000.4	1045.3	1121.0	1196.8	1250.2	1240.6	1177.9	1117.0	1094.6
57.5°	914.4	921.0	973.4	1072.3	1192.7	1272.3	1284.1	1233.3	1172.5	1151.1
60°	800.4	808.4	858.6	966.5	1135.2	1280.5	1314.8	1287.1	1223.6	1202.8
62.5°	628.5	638.8	698.9	825.5	1013.7	1242.5	1341.0	1335.8	1269.5	1243.6
65°	403.2	414.2	477.5	627.0	851.7	1126.2	1349.1	1383.3	1318.0	1281.8
67.5°	243.1	248.1	279.4	380.0	622.5	950.9	1280.0	1435.8	1374.7	1329.6
70°	155.6	158.4	177.0	223.2	351.9	693.8	1108.8	1445.7	1443.4	1378.8
72.5°	105.6	106.4	111.4	132.2	199.1	394.2	817.8	1308.8	1486.3	1442.1
75°	77.3	82.0	89.9	93.6	113.1	197.0	468.7	919.5	1252.6	1271.9
77.5°	57.5	57.7	68.7	73.0	80.7	104.9	198.3	513.3	777.7	816.5
80°	48.7	46.1	45.9	58.8	60.7	65.5	88.6	177.3	278.5	168.9
82.5°	40.6	37.8	34.1	45.9	41.4	40.1	38.4	72.1	88.6	43.6
85°	28.3	27.0	25.8	30.0	23.6	20.2	18.5	33.7	37.3	18.5
87.5°	12.2	12.7	12.9	13.3	9.9	7.1	7.1	9.4	9.4	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
450.2
453.0
464.0
482.6
504.5
526.2
549.1
566.5
580.7
594.0
609.0
624.7
642.1
668.0
698.9
735.4
780.3
827.9
878.1
933.9
990.3
1045.3
1100.9
1156.0
1207.3
1246.6
1286.3
1333.1
1378.3
1435.2
1225.1
728.3
127.7
37.1
16.3
5.4
0.0

OF REPORT)