

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: P944855

Luminaire Tested: **GALN-SB1A-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944855
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-SB1A-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4286 lumens
Efficiency: N/A
Efficacy: 138.7 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): 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

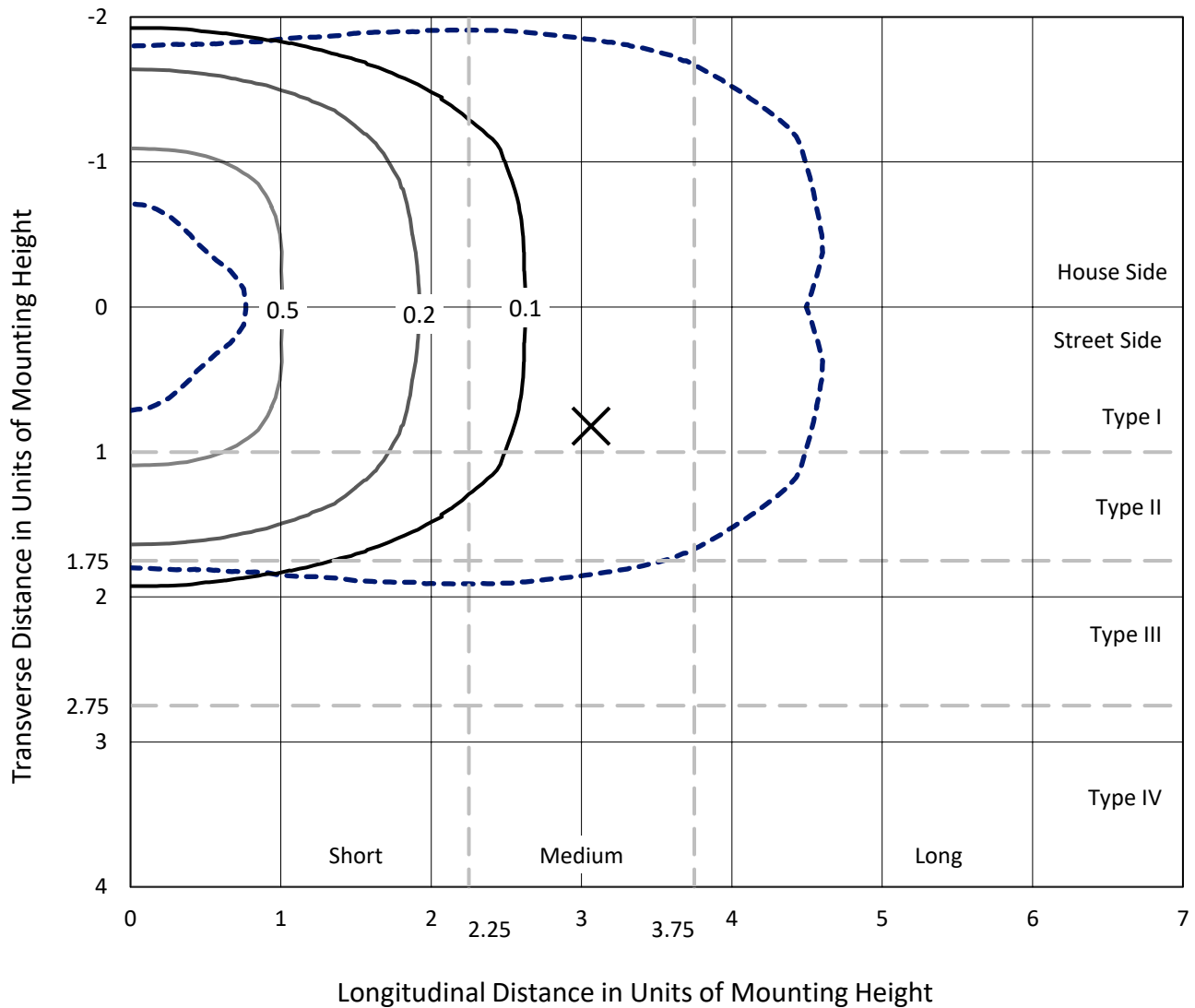


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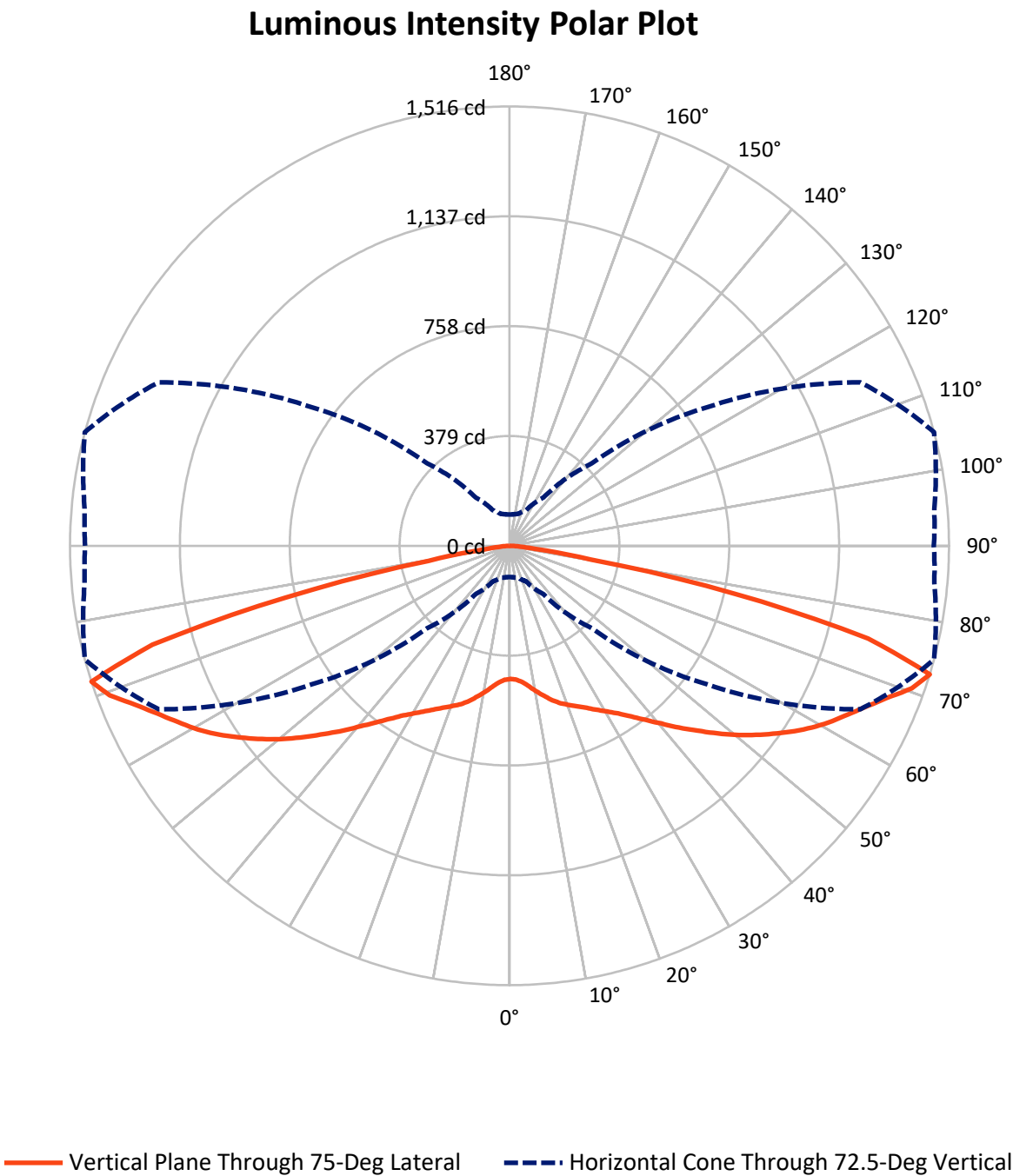
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2143.0	0.0	2143.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2143.0	0.0	2143.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4286.0	0.0	4286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	1.0
10°-20°	148.3	3.5
20°-30°	286.6	6.7
30°-40°	484.0	11.3
40°-50°	767.5	17.9
50°-60°	1027.6	24.0
60°-70°	978.0	22.8
70°-80°	510.3	11.9
80°-90°	38.6	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°	4286.0	100.0
0°-180°	4286.0	100.0

Coefficient of Utilization



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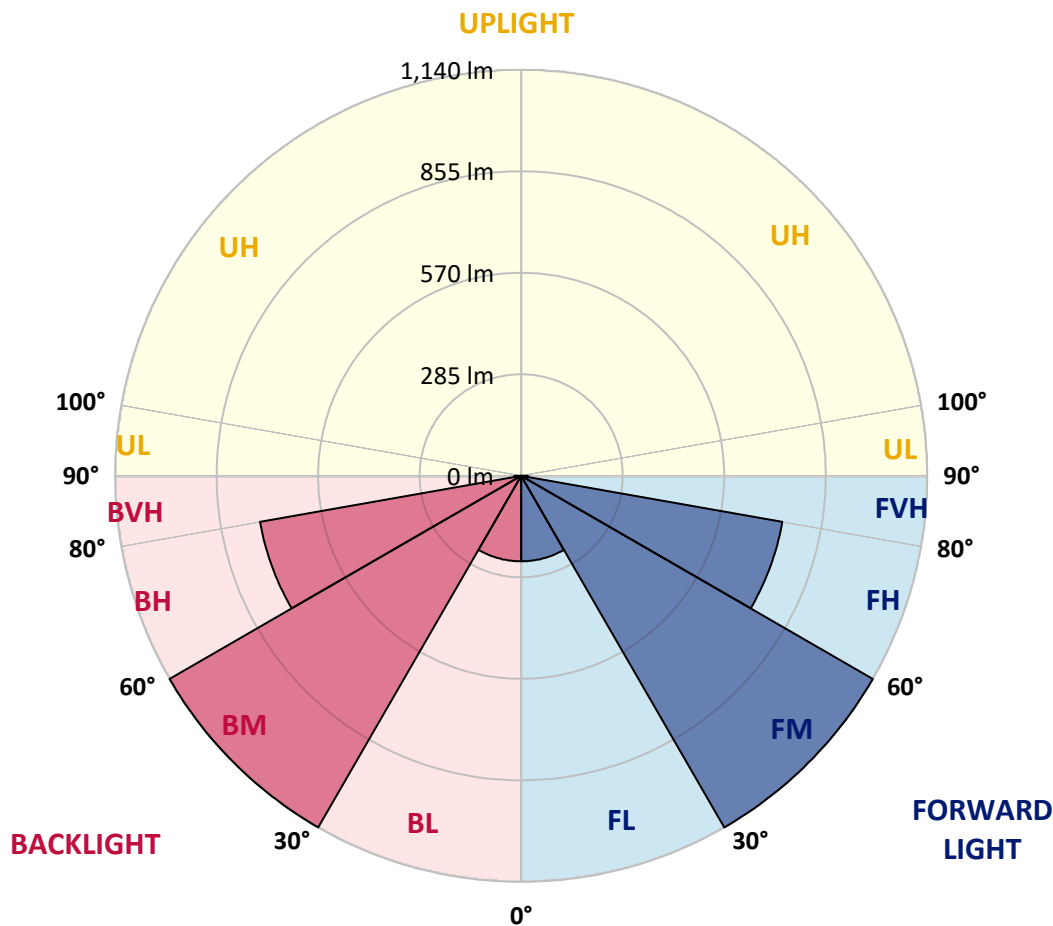
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.0	5.6			
FM	(30°-60°)	1139.6	26.6			
FH	(60°-80°)	744.1	17.4			G1/1800
FVH	(80°-90°)	19.3	0.5			G1/100
BL	(0°-30°)	240.0	5.6	B1/500		
BM	(30°-60°)	1139.6	26.6	B2/2500		
BH	(60°-80°)	744.1	17.4	B2/1000		G2/1000
BVH	(80°-90°)	19.3	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°	90°
0°	459.1	459.1	459.1	459.1	459.1	459.1	459.1	459.1	459.1	459.1	459.1
2.5°	459.1	458.7	459.1	459.5	459.3	459.3	460.4	461.1	462.4	462.2	462.0
5°	456.0	455.8	457.6	459.5	461.1	463.7	467.0	469.4	472.5	473.1	473.1
7.5°	454.5	453.9	456.9	460.4	465.2	471.8	478.1	484.7	490.0	491.7	492.2
10°	455.6	455.8	460.0	466.5	474.2	483.4	492.4	503.5	511.0	512.7	514.5
12.5°	460.6	460.2	467.2	477.7	488.2	499.8	510.3	522.6	530.7	534.8	536.6
15°	469.8	469.0	478.8	494.3	509.7	523.2	531.8	543.4	552.8	558.0	560.0
17.5°	480.8	481.2	494.1	514.3	534.4	549.7	557.8	563.7	570.9	575.5	577.7
20°	500.0	500.9	515.3	539.2	562.2	579.7	586.2	584.1	586.0	589.5	592.2
22.5°	525.9	526.3	542.5	568.3	592.4	611.6	616.0	607.0	601.6	604.0	605.7
25°	555.8	558.7	574.9	601.3	626.1	644.5	646.4	632.9	619.3	619.9	621.0
27.5°	592.4	595.0	611.4	637.7	662.8	678.8	678.6	660.4	640.5	635.5	637.0
30°	632.0	634.8	651.7	678.8	702.2	716.2	713.2	691.5	663.1	653.6	654.7
32.5°	679.0	680.8	697.9	725.0	746.7	757.8	751.5	724.8	689.3	678.6	681.2
35°	735.9	738.6	751.2	776.8	795.9	805.1	794.4	762.8	723.0	711.0	712.7
37.5°	800.9	799.2	813.6	836.4	852.1	857.8	843.2	805.7	761.5	747.3	749.9
40°	868.8	867.9	883.6	905.5	914.1	917.6	895.9	855.0	806.0	790.6	795.7
42.5°	930.3	929.6	950.8	975.1	985.4	981.5	954.1	907.3	857.4	839.9	844.2
45°	979.5	978.6	1004.7	1038.8	1058.9	1052.4	1015.6	965.0	909.5	891.3	895.5
47.5°	1017.3	1017.8	1045.8	1088.0	1123.3	1125.7	1078.4	1023.9	966.8	946.2	952.4
50°	1044.7	1046.0	1076.0	1122.8	1171.0	1192.2	1142.5	1084.3	1026.1	1002.9	1009.9
52.5°	1051.5	1053.9	1090.0	1144.9	1201.6	1242.1	1207.7	1142.3	1082.3	1060.2	1065.9
55°	1015.4	1020.2	1065.9	1143.2	1220.4	1274.9	1265.1	1201.2	1139.0	1116.3	1122.6
57.5°	932.4	939.2	992.6	1093.5	1216.3	1297.4	1309.5	1257.6	1195.7	1173.8	1178.8
60°	816.2	824.3	875.5	985.6	1157.6	1305.8	1340.8	1312.5	1247.8	1226.5	1231.1
62.5°	641.0	651.5	712.7	841.8	1033.8	1267.0	1367.5	1362.2	1294.6	1268.1	1271.2
65°	411.2	422.3	486.9	639.4	868.5	1148.4	1375.8	1410.6	1344.1	1307.1	1311.7
67.5°	247.9	253.0	284.9	387.5	634.8	969.6	1305.3	1464.2	1401.8	1355.9	1359.4
70°	158.7	161.5	180.5	227.6	358.9	707.5	1130.7	1474.3	1471.9	1406.0	1405.6
72.5°	107.7	108.5	113.6	134.8	203.1	402.0	834.0	1334.6	1515.6	1470.5	1463.5
75°	78.8	83.6	91.7	95.4	115.3	200.9	477.9	937.7	1277.3	1297.0	1249.3
77.5°	58.6	58.9	70.0	74.4	82.3	107.0	202.2	523.4	793.0	832.7	742.7
80°	49.7	47.0	46.8	60.0	61.9	66.7	90.4	180.8	284.0	172.2	130.2
82.5°	41.4	38.5	34.8	46.8	42.2	40.9	39.2	73.5	90.4	44.4	37.9
85°	28.9	27.6	26.3	30.6	24.1	20.6	18.8	34.4	38.1	18.8	16.6
87.5°	12.5	12.9	13.1	13.6	10.1	7.2	7.2	9.6	9.6	7.4	5.5
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)