

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: P945800

Luminaire Tested: **GALN-SB1C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945800
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-SB1C-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4696 lumens
Efficiency: N/A
Efficacy: 86.3 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

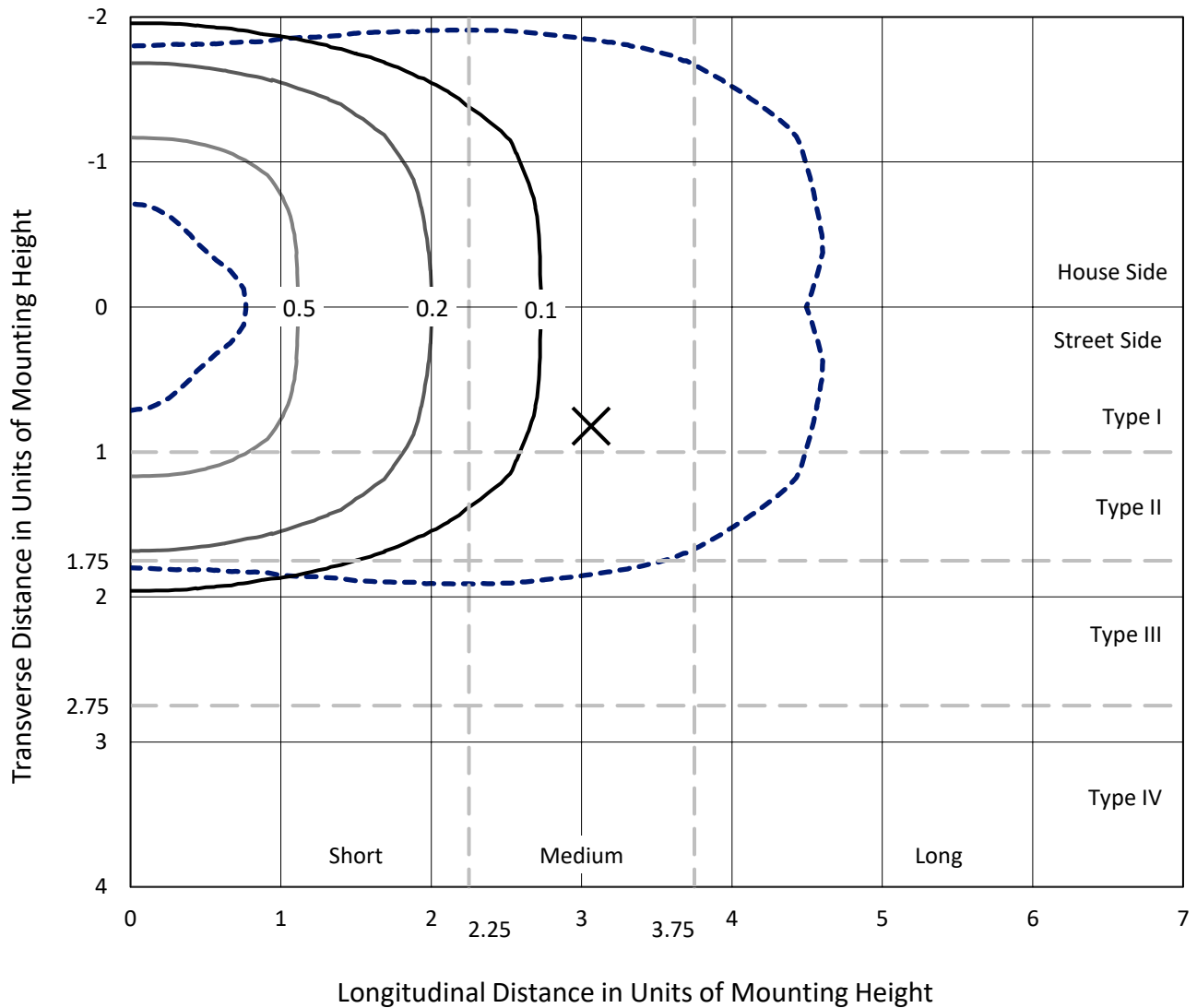
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

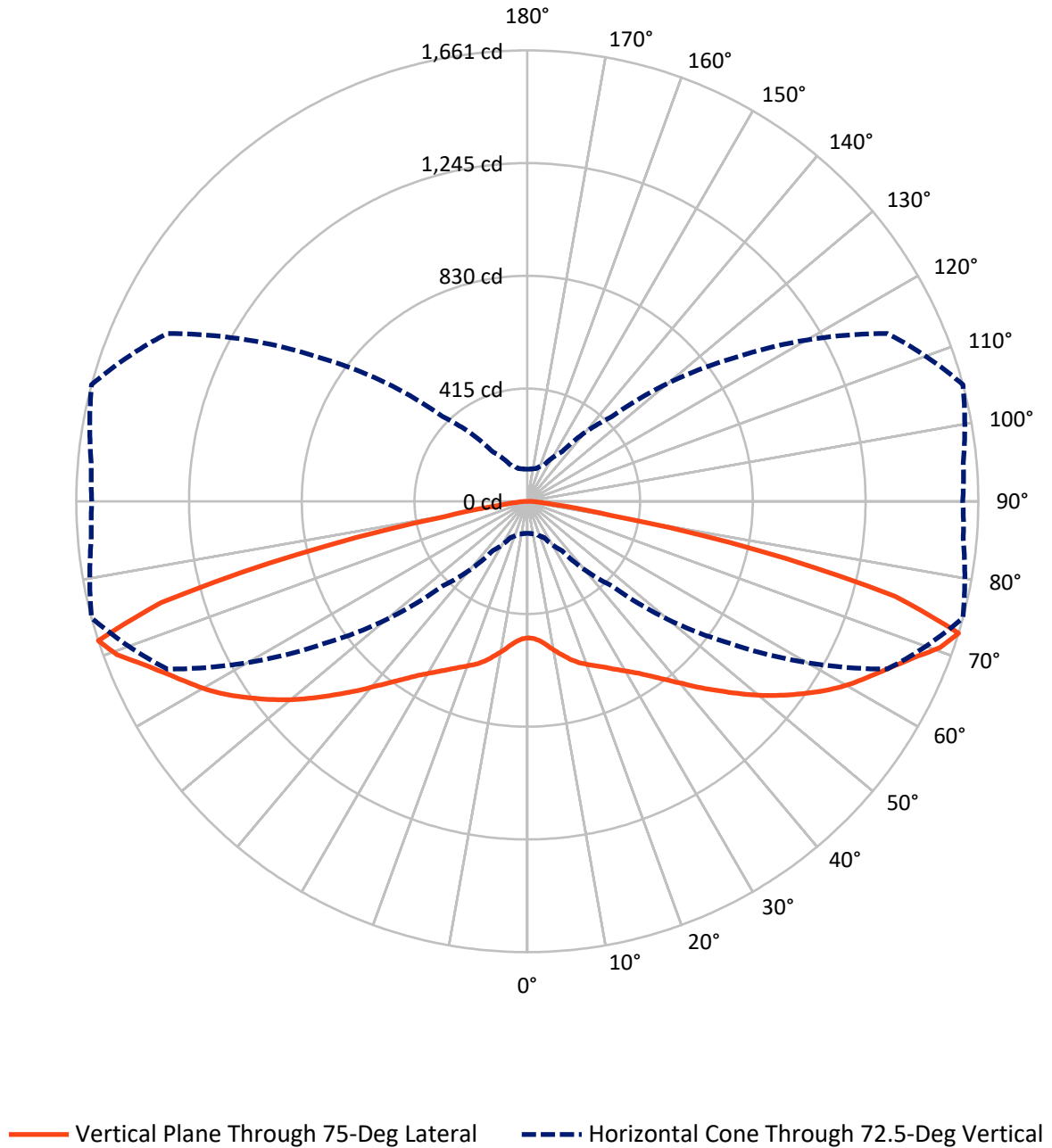
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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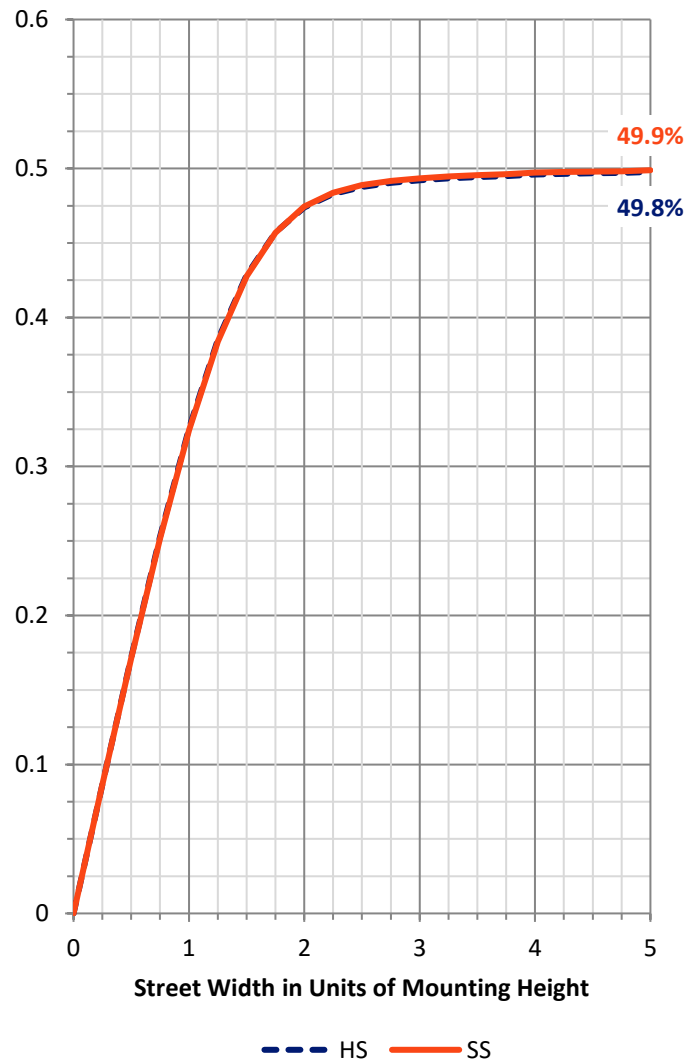
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2348.0	0.0	2348.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2348.0	0.0	2348.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4696.0	0.0	4696.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	1.0
10°-20°	162.5	3.5
20°-30°	314.0	6.7
30°-40°	530.3	11.3
40°-50°	841.0	17.9
50°-60°	1125.9	24.0
60°-70°	1071.5	22.8
70°-80°	559.1	11.9
80°-90°	42.3	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°	4696.0	100.0
0°-180°	4696.0	100.0

Coefficient of Utilization



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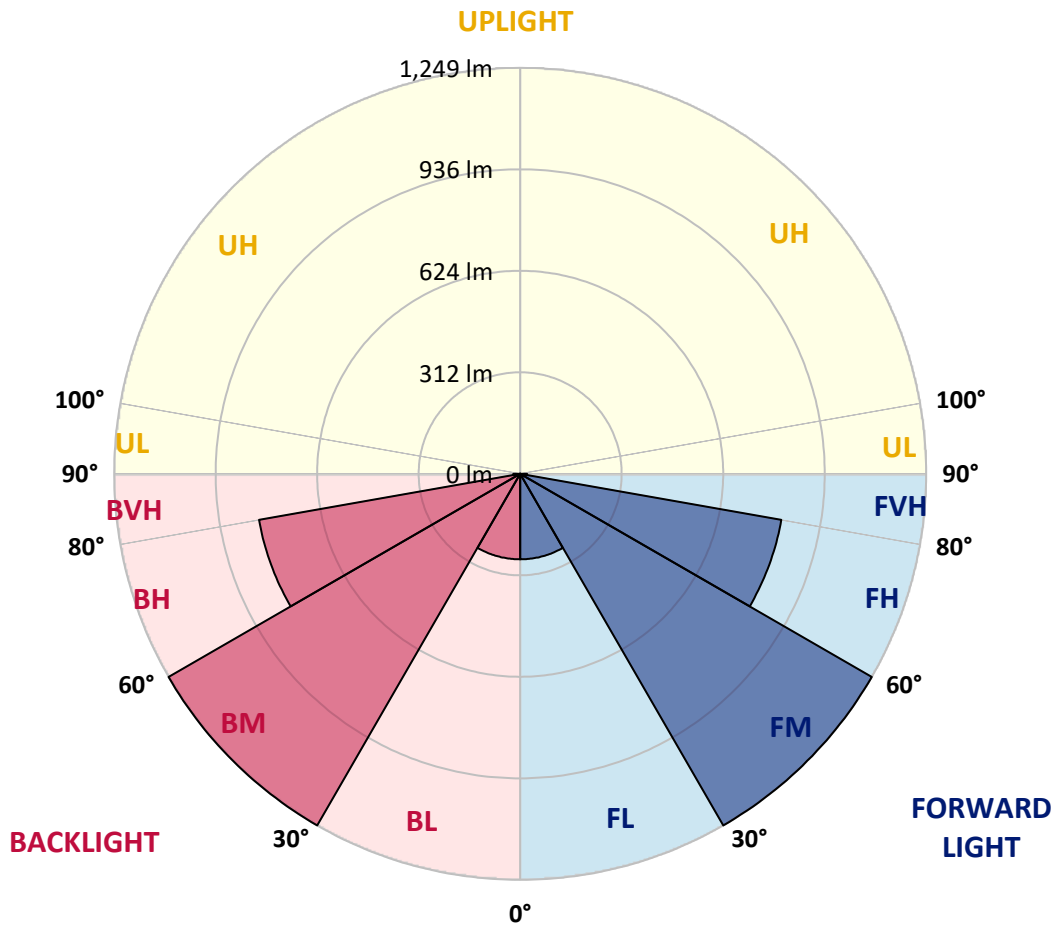
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.9	5.6			
FM (30°-60°)	1248.6	26.6			
FH (60°-80°)	815.3	17.4			G1/1800
FVH (80°-90°)	21.2	0.5			G1/100
BL (0°-30°)	262.9	5.6	B1/500		
BM (30°-60°)	1248.6	26.6	B2/2500		
BH (60°-80°)	815.3	17.4	B2/1000		G2/1000
BVH (80°-90°)	21.2	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°	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0
2.5°	503.0	502.5	503.0	503.5	503.3	503.3	504.5	505.2	506.6	506.4
5°	499.7	499.4	501.3	503.5	505.2	508.1	511.7	514.3	517.7	518.4
7.5°	498.0	497.3	500.6	504.5	509.7	516.9	523.9	531.1	536.8	538.8
10°	499.2	499.4	504.0	511.2	519.6	529.6	539.5	551.7	559.8	561.8
12.5°	504.7	504.2	511.9	523.4	534.9	547.6	559.1	572.6	581.4	586.0
15°	514.8	513.8	524.6	541.6	558.4	573.3	582.6	595.3	605.6	611.4
17.5°	526.8	527.2	541.4	563.4	585.5	602.3	611.2	617.6	625.5	630.6
20°	547.9	548.8	564.6	590.8	616.0	635.1	642.3	639.9	642.1	645.9
22.5°	576.2	576.6	594.4	622.7	649.0	670.1	674.9	665.1	659.1	661.7
25°	609.0	612.1	629.9	658.9	686.0	706.1	708.3	693.4	678.5	679.3
27.5°	649.0	651.9	669.9	698.7	726.2	743.7	743.5	723.6	701.8	696.3
30°	692.4	695.6	714.0	743.7	769.4	784.7	781.4	757.7	726.5	716.2
32.5°	744.0	745.9	764.6	794.3	818.1	830.3	823.4	794.1	755.3	743.5
35°	806.3	809.2	823.1	851.2	872.0	882.1	870.3	835.8	792.2	779.0
37.5°	877.5	875.6	891.4	916.4	933.6	939.9	923.8	882.8	834.4	818.8
40°	951.9	950.9	968.2	992.1	1001.5	1005.3	981.6	936.8	883.1	866.3
42.5°	1019.2	1018.5	1041.8	1068.4	1079.7	1075.3	1045.4	994.1	939.4	920.2
45°	1073.2	1072.2	1100.8	1138.2	1160.2	1153.0	1112.7	1057.4	996.5	976.6
47.5°	1114.7	1115.1	1145.8	1192.1	1230.7	1233.3	1181.6	1121.9	1059.3	1036.7
50°	1144.6	1146.1	1178.9	1230.2	1283.0	1306.2	1251.8	1188.0	1124.3	1098.8
52.5°	1152.1	1154.7	1194.3	1254.4	1316.5	1360.9	1323.3	1251.6	1185.9	1161.7
55°	1112.5	1117.8	1167.9	1252.5	1337.2	1396.9	1386.1	1316.1	1248.0	1223.0
57.5°	1021.6	1029.1	1087.6	1198.1	1332.6	1421.6	1434.8	1377.9	1310.1	1286.1
60°	894.3	903.2	959.3	1079.9	1268.4	1430.7	1469.0	1438.1	1367.1	1343.9
62.5°	702.3	713.8	780.9	922.4	1132.6	1388.2	1498.3	1492.5	1418.4	1389.4
65°	450.5	462.7	533.5	700.6	951.6	1258.3	1507.4	1545.5	1472.6	1432.1
67.5°	271.7	277.2	312.2	424.6	695.6	1062.4	1430.2	1604.3	1535.9	1485.6
70°	173.8	176.9	197.8	249.4	393.2	775.2	1238.9	1615.3	1612.7	1540.5
72.5°	118.0	118.9	124.4	147.7	222.5	440.4	913.7	1462.3	1660.6	1611.2
75°	86.3	91.6	100.5	104.5	126.4	220.1	523.6	1027.4	1399.5	1421.1
77.5°	64.3	64.5	76.7	81.5	90.2	117.2	221.5	573.5	868.9	912.3
80°	54.4	51.5	51.3	65.7	67.9	73.1	99.0	198.0	311.2	188.7
82.5°	45.3	42.2	38.1	51.3	46.3	44.8	42.9	80.6	99.0	48.7
85°	31.6	30.2	28.8	33.6	26.4	22.5	20.6	37.6	41.7	20.6
87.5°	13.7	14.1	14.4	14.9	11.0	7.9	7.9	10.5	10.5	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
503.0
506.1
518.4
539.2
563.7
587.9
613.6
633.0
648.8
663.7
680.5
698.0
717.4
746.4
780.9
821.7
871.8
925.0
981.1
1043.5
1106.5
1167.9
1230.0
1291.6
1348.9
1392.8
1437.1
1489.4
1540.0
1603.5
1368.8
813.8
142.7
41.5
18.2
6.0
0.0

OF REPORT)