

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: P940020

Luminaire Tested: **GALN-SB2D-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12530 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

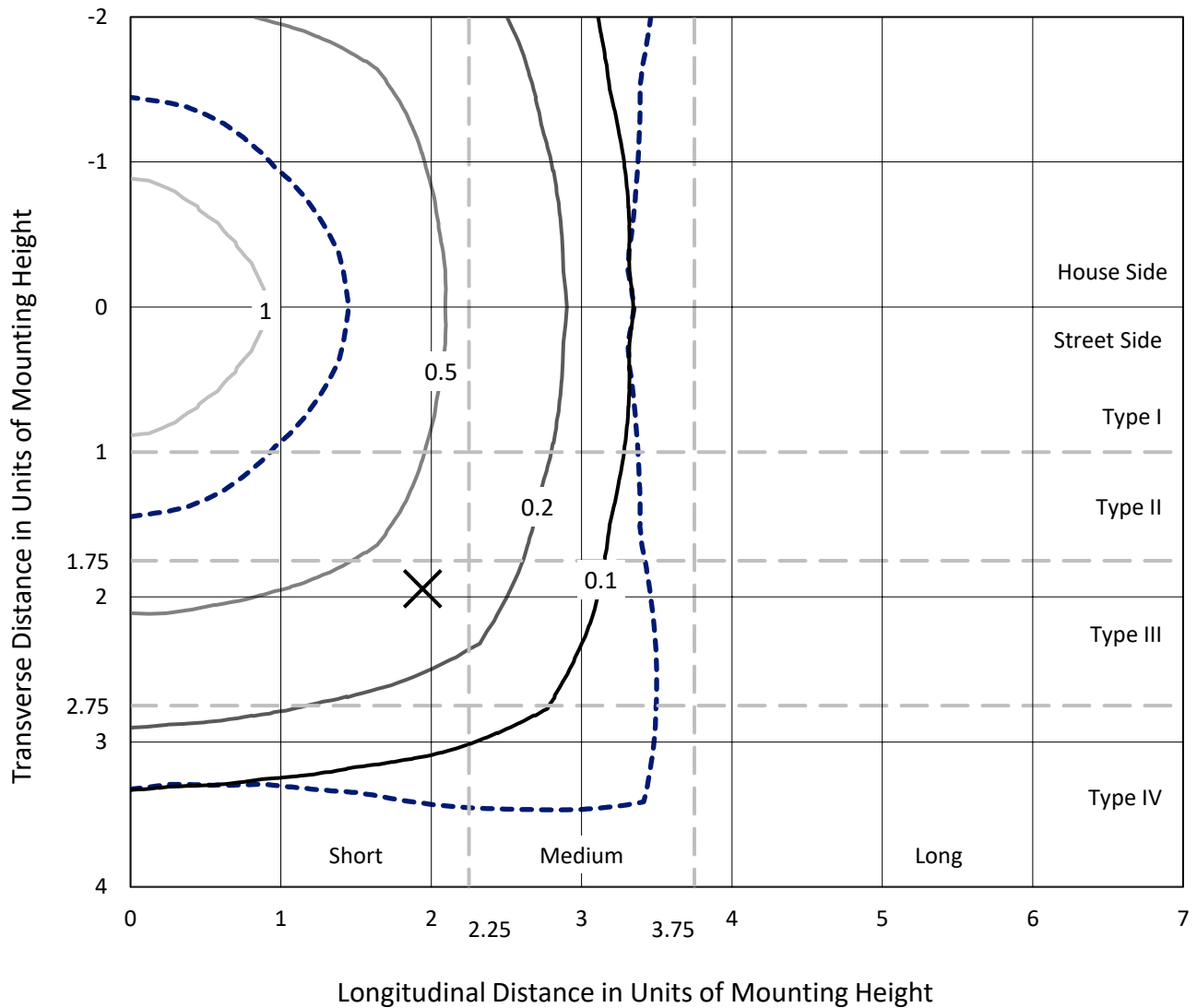
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

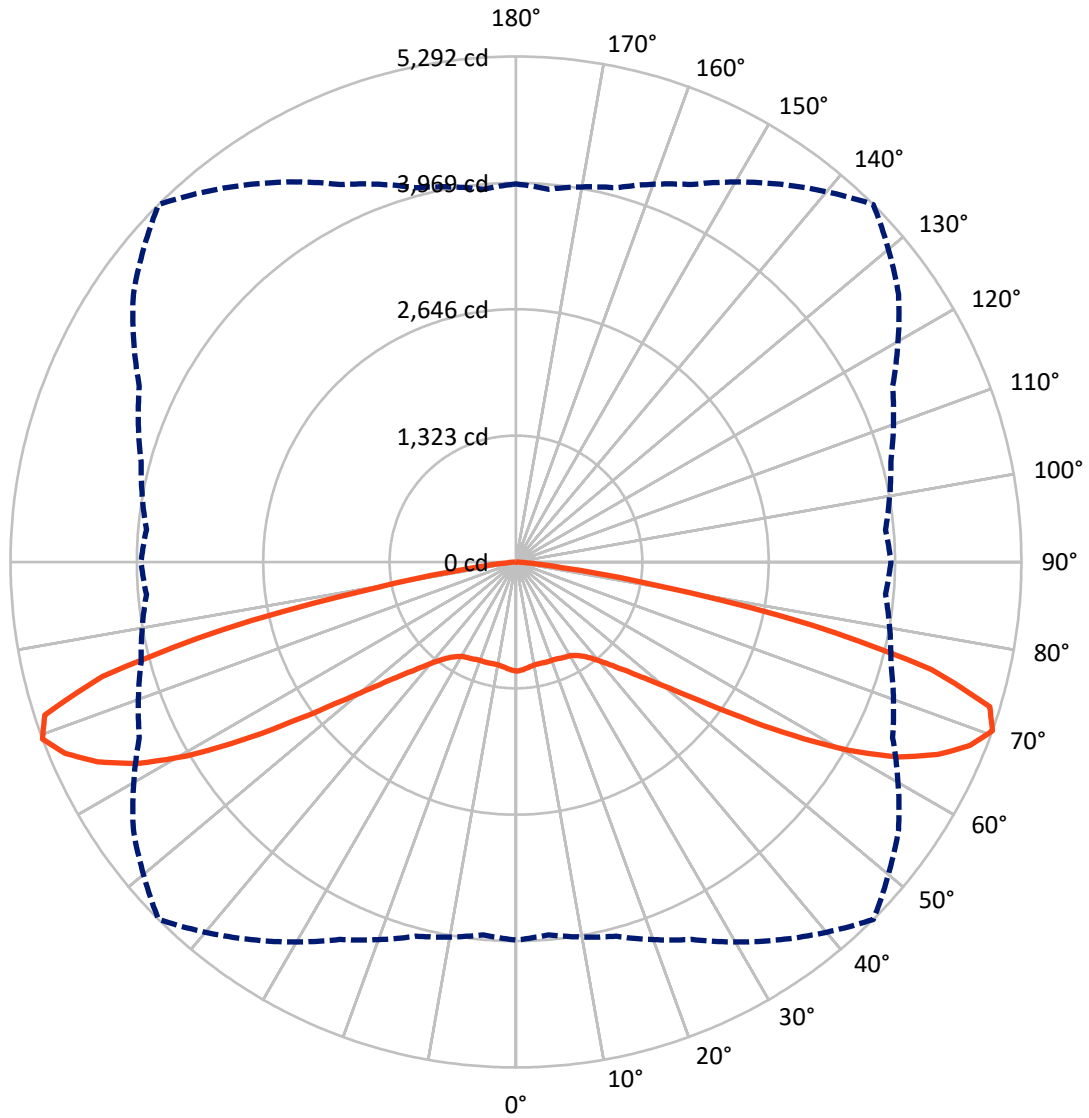
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	6265.0	0.0	6265.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6265.0	0.0	6265.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12530.0	0.0	12530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	0.8
10°-20°	312.2	2.5
20°-30°	519.5	4.1
30°-40°	785.7	6.3
40°-50°	1305.6	10.4
50°-60°	2463.7	19.7
60°-70°	4160.1	33.2
70°-80°	2733.6	21.8
80°-90°	143.2	1.1
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°	12530.0	100.0
0°-180°	12530.0	100.0

Coefficient of Utilization



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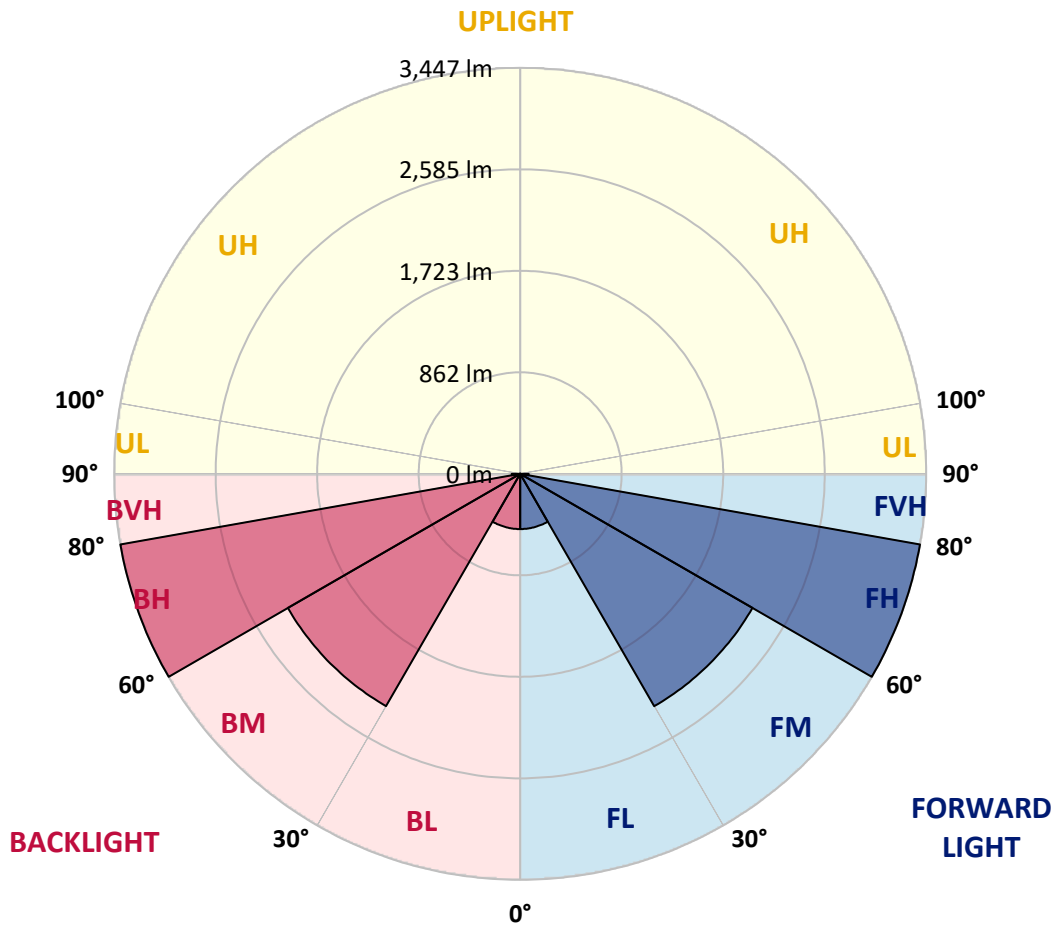
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.0	3.7			
FM (30°-60°)	2277.5	18.2			
FH (60°-80°)	3446.8	27.5			G2/5000
FVH (80°-90°)	71.6	0.6			G1/100
BL (0°-30°)	469.0	3.7	B1/500		
BM (30°-60°)	2277.5	18.2	B2/2500		
BH (60°-80°)	3446.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	71.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1143.0	1143.0	1143.0	1143.0	1143.0	1143.0	1143.0	1143.0	1143.0	1143.0
2.5°	1135.8	1139.1	1137.8	1135.2	1135.2	1133.2	1135.2	1136.5	1138.4	1139.7
5°	1120.8	1123.5	1122.8	1120.8	1121.5	1119.5	1120.8	1122.8	1124.1	1124.8
7.5°	1107.8	1110.4	1109.1	1105.9	1105.9	1103.9	1104.6	1106.5	1108.5	1109.1
10°	1104.6	1107.2	1103.3	1098.1	1096.1	1093.5	1094.1	1096.1	1100.0	1102.0
12.5°	1105.9	1107.8	1103.9	1096.1	1094.1	1091.5	1091.5	1093.5	1098.7	1101.3
15°	1109.8	1111.7	1105.9	1097.4	1095.4	1093.5	1092.8	1095.4	1101.3	1105.9
17.5°	1116.9	1118.9	1109.8	1098.1	1095.4	1096.1	1095.4	1097.4	1106.5	1115.0
20°	1123.5	1124.8	1112.4	1098.1	1095.4	1096.1	1095.4	1099.4	1111.1	1122.8
22.5°	1125.4	1126.7	1115.0	1102.6	1100.7	1101.3	1100.7	1104.6	1115.6	1127.4
25°	1126.1	1128.0	1118.9	1109.1	1112.4	1113.7	1112.4	1113.0	1121.5	1131.9
27.5°	1135.8	1138.4	1130.0	1121.5	1123.5	1122.8	1124.8	1126.7	1133.2	1143.6
30°	1156.0	1158.0	1150.8	1142.3	1141.0	1136.5	1142.3	1148.8	1156.0	1165.1
32.5°	1189.2	1193.1	1184.0	1174.9	1169.0	1166.4	1171.0	1182.1	1191.8	1201.6
35°	1244.6	1247.2	1238.7	1221.8	1211.4	1211.4	1215.3	1229.6	1245.2	1257.6
37.5°	1322.7	1326.0	1311.0	1290.8	1275.2	1275.2	1280.4	1295.4	1318.8	1336.4
40°	1417.8	1422.4	1403.5	1382.7	1367.7	1365.1	1371.6	1388.5	1410.7	1432.8
42.5°	1532.5	1537.7	1512.9	1494.7	1483.0	1483.0	1486.2	1501.8	1522.0	1549.4
45°	1679.0	1688.1	1654.2	1636.0	1624.9	1627.5	1629.5	1643.2	1661.4	1692.7
47.5°	1853.5	1862.6	1826.8	1807.9	1806.0	1818.4	1810.5	1820.3	1830.1	1865.9
50°	2051.5	2067.1	2042.4	2041.1	2045.0	2067.8	2049.6	2054.8	2043.7	2066.5
52.5°	2293.8	2316.6	2312.0	2319.8	2363.5	2410.4	2368.7	2350.5	2308.8	2315.9
55°	2587.5	2622.0	2628.5	2675.4	2774.4	2870.2	2781.6	2708.0	2619.4	2603.1
57.5°	2921.6	2949.0	2980.2	3076.0	3260.9	3430.9	3260.9	3098.1	2958.7	2925.5
60°	3281.1	3315.0	3345.0	3486.3	3761.1	4000.1	3755.9	3497.3	3313.0	3268.1
62.5°	3667.3	3711.0	3731.8	3888.8	4209.2	4494.5	4213.8	3900.5	3696.0	3647.8
65°	4037.9	4073.7	4097.2	4264.6	4570.7	4856.6	4591.5	4282.8	4072.4	4009.3
67.5°	4210.5	4230.0	4287.3	4476.9	4799.9	5126.2	4854.6	4497.1	4261.9	4151.2
70°	3957.8	3918.1	4056.1	4359.6	4827.3	5291.6	4889.8	4350.5	4062.7	3882.9
72.5°	3058.4	2990.0	3229.7	3748.7	4514.6	5186.1	4545.9	3778.0	3378.8	3014.1
75°	1664.0	1586.5	1917.4	2573.8	3600.3	4495.1	3683.0	2647.4	2134.9	1651.6
77.5°	469.6	440.3	707.3	1245.2	2165.5	3156.1	2248.9	1272.6	838.8	497.6
80°	143.9	139.4	188.9	375.1	919.6	1511.6	883.8	379.7	240.3	151.7
82.5°	85.3	78.2	93.8	136.8	234.5	474.8	227.9	142.6	114.6	76.9
85°	48.8	45.6	55.4	66.4	78.8	100.9	65.8	67.7	61.2	41.0
87.5°	20.2	18.2	21.5	20.8	18.2	23.4	17.6	20.8	24.7	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1143.0
1139.1
1124.8
1109.1
1102.0
1102.0
1106.5
1115.0
1123.5
1127.4
1131.3
1141.0
1163.2
1197.7
1253.1
1329.9
1425.6
1547.4
1691.4
1855.5
2052.8
2291.8
2577.7
2902.1
3229.0
3608.7
3978.0
4152.5
3925.9
3104.6
1759.1
552.9
160.2
83.4
43.0
15.0
0.0

OF REPORT)