

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: P946934

Luminaire Tested: **GALN-SB2B-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946934
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-SB2B-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8403 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

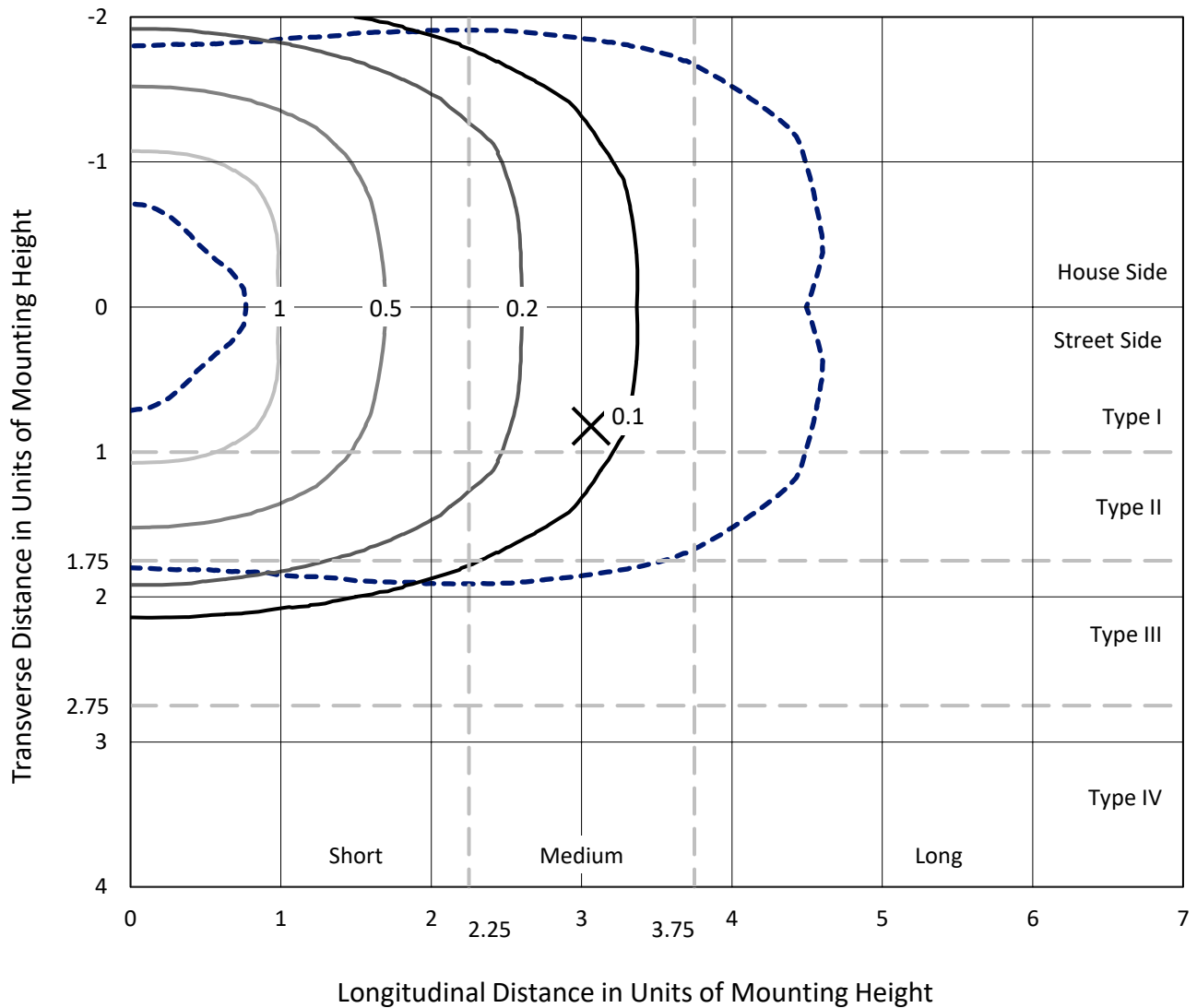
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

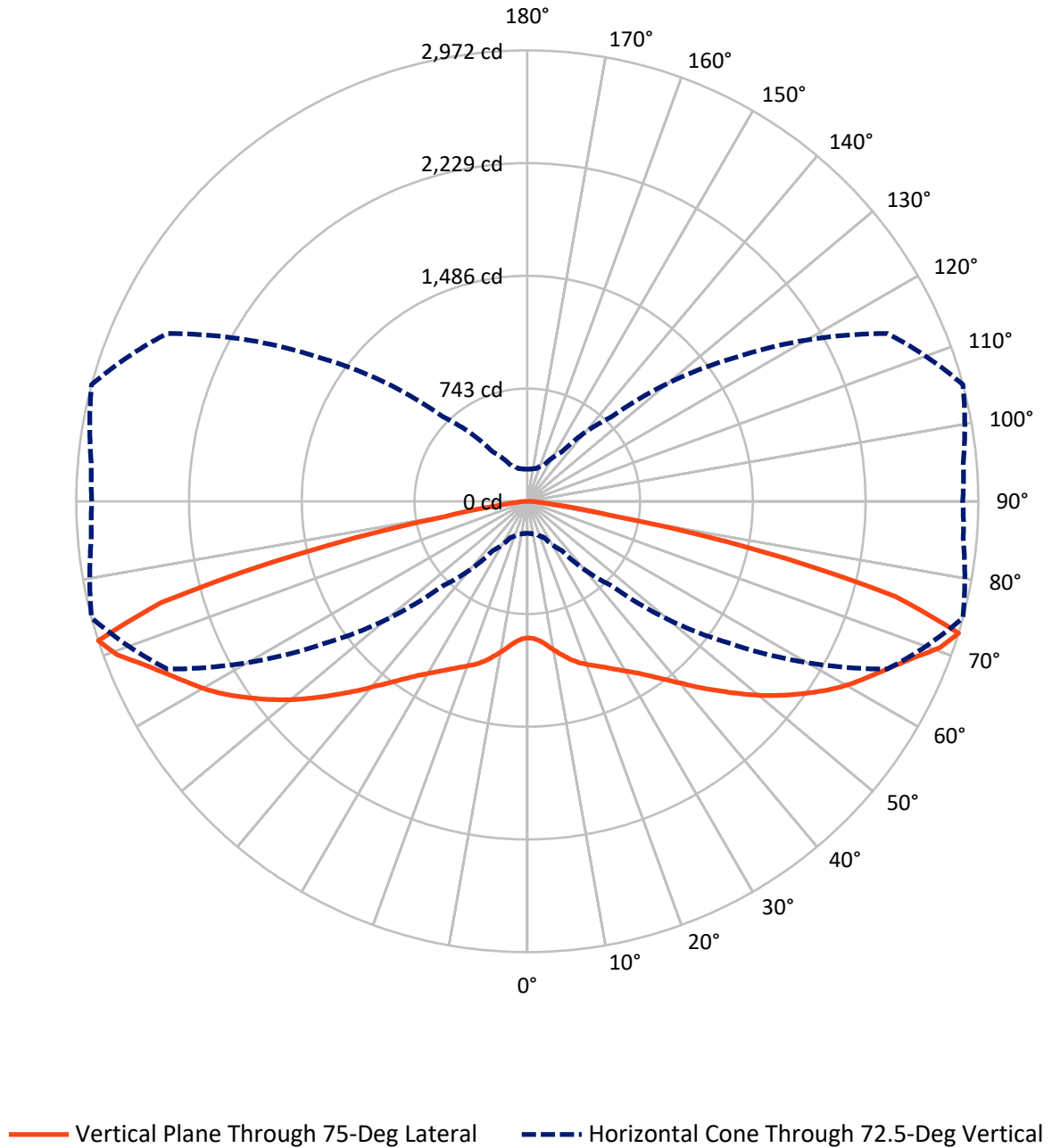
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	4201.5	0.0	4201.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4201.5	0.0	4201.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8403.0	0.0	8403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.0
10°-20°	290.8	3.5
20°-30°	561.9	6.7
30°-40°	948.9	11.3
40°-50°	1504.8	17.9
50°-60°	2014.7	24.0
60°-70°	1917.4	22.8
70°-80°	1000.5	11.9
80°-90°	75.7	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°	8403.0	100.0
0°-180°	8403.0	100.0

Coefficient of Utilization



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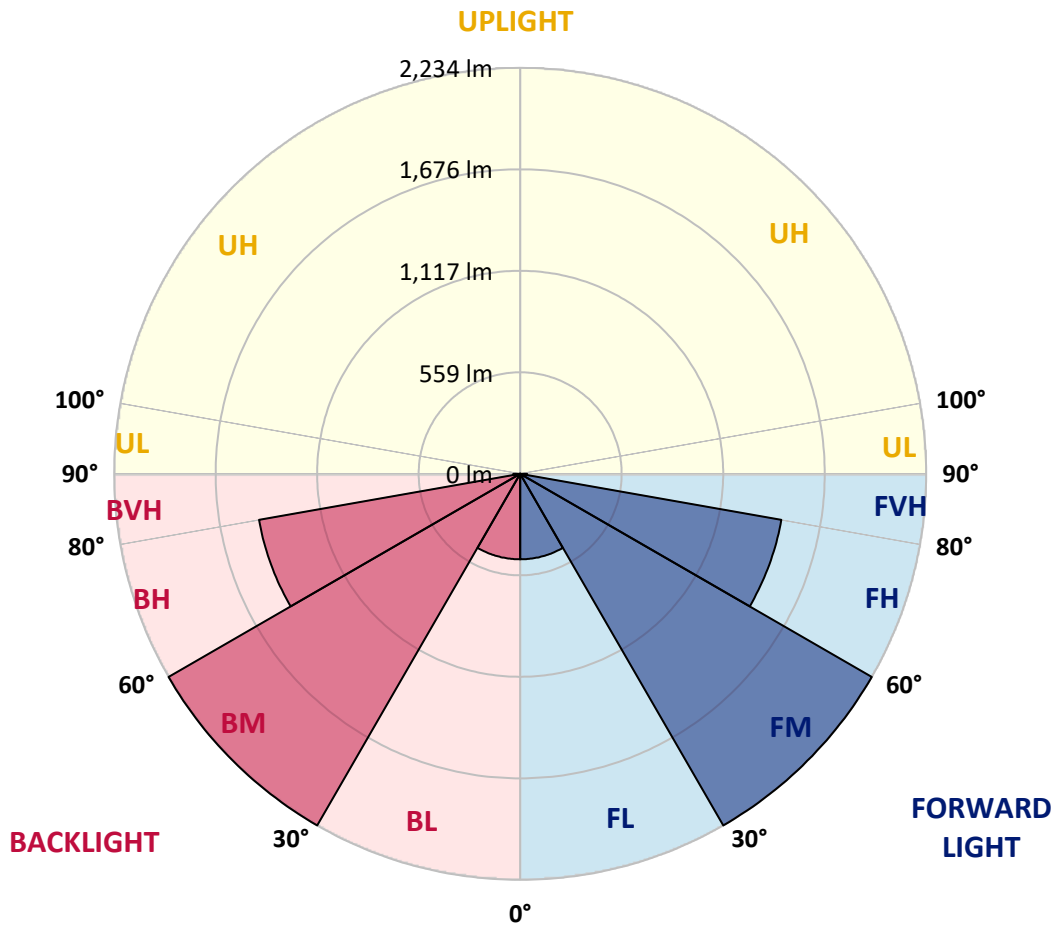
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.5	5.6			
FM (30°-60°)	2234.2	26.6			
FH (60°-80°)	1459.0	17.4			G1/1800
FVH (80°-90°)	37.9	0.5			G1/100
BL (0°-30°)	470.5	5.6	B1/500		
BM (30°-60°)	2234.2	26.6	B2/2500		
BH (60°-80°)	1459.0	17.4	B3/2500		G3/2500
BVH (80°-90°)	37.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1
2.5°	900.1	899.3	900.1	901.0	900.5	900.5	902.7	904.0	906.5	906.1
5°	894.1	893.7	897.1	901.0	904.0	909.1	915.6	920.3	926.3	927.6
7.5°	891.1	889.8	895.8	902.7	912.1	925.0	937.4	950.3	960.6	964.0
10°	893.2	893.7	901.8	914.7	929.7	947.7	965.3	987.2	1001.8	1005.2
12.5°	903.1	902.3	916.0	936.6	957.2	979.9	1000.5	1024.5	1040.4	1048.6
15°	921.1	919.4	938.7	969.2	999.2	1025.8	1042.6	1065.3	1083.7	1094.0
17.5°	942.6	943.4	968.8	1008.2	1047.7	1077.7	1093.6	1105.2	1119.3	1128.4
20°	980.3	982.1	1010.4	1057.1	1102.2	1136.5	1149.4	1145.1	1149.0	1155.8
22.5°	1031.0	1031.8	1063.6	1114.2	1161.4	1199.1	1207.7	1190.1	1179.4	1184.1
25°	1089.7	1095.3	1127.1	1179.0	1227.5	1263.5	1267.4	1240.8	1214.2	1215.5
27.5°	1161.4	1166.5	1198.7	1250.2	1299.5	1330.9	1330.4	1294.8	1255.8	1245.9
30°	1239.0	1244.6	1277.7	1330.9	1376.8	1404.2	1398.2	1355.7	1300.0	1281.5
32.5°	1331.3	1334.7	1368.2	1421.4	1463.9	1485.7	1473.3	1421.0	1351.5	1330.4
35°	1442.8	1448.0	1472.9	1523.1	1560.4	1578.4	1557.4	1495.6	1417.5	1393.9
37.5°	1570.3	1566.8	1595.1	1639.8	1670.7	1681.8	1653.1	1579.7	1493.0	1465.1
40°	1703.3	1701.5	1732.4	1775.3	1792.1	1798.9	1756.5	1676.2	1580.1	1550.1
42.5°	1823.8	1822.5	1864.1	1911.8	1931.9	1924.2	1870.6	1778.8	1681.0	1646.6
45°	1920.4	1918.6	1969.7	2036.6	2076.1	2063.2	1991.1	1892.0	1783.1	1747.5
47.5°	1994.6	1995.4	2050.3	2133.2	2202.2	2206.9	2114.3	2007.4	1895.5	1855.1
50°	2048.2	2050.8	2109.6	2201.4	2295.8	2337.4	2240.0	2125.9	2011.7	1966.3
52.5°	2061.5	2066.2	2137.0	2244.7	2355.8	2435.2	2367.8	2239.6	2122.0	2078.7
55°	1990.7	2000.2	2089.8	2241.3	2392.7	2499.5	2480.2	2355.0	2233.1	2188.5
57.5°	1828.1	1841.4	1946.1	2143.9	2384.6	2543.7	2567.3	2465.7	2344.2	2301.3
60°	1600.3	1616.2	1716.6	1932.4	2269.6	2560.0	2628.7	2573.3	2446.3	2404.7
62.5°	1256.6	1277.2	1397.4	1650.5	2026.8	2484.1	2681.0	2670.7	2538.2	2486.2
65°	806.2	828.0	954.6	1253.6	1702.8	2251.6	2697.3	2765.5	2635.1	2562.6
67.5°	486.1	496.0	558.6	759.8	1244.6	1901.0	2559.2	2870.7	2748.4	2658.3
70°	311.0	316.6	354.0	446.2	703.6	1387.1	2216.8	2890.4	2885.7	2756.5
72.5°	211.1	212.8	222.7	264.3	398.1	788.1	1635.0	2616.7	2971.5	2883.1
75°	154.5	163.9	179.8	187.1	226.1	393.9	937.0	1838.4	2504.3	2542.9
77.5°	115.0	115.4	137.3	145.9	161.3	209.8	396.4	1026.2	1554.8	1632.5
80°	97.4	92.2	91.8	117.6	121.4	130.9	177.2	354.4	556.9	337.6
82.5°	81.1	75.5	68.2	91.8	82.8	80.2	76.8	144.2	177.2	87.1
85°	56.6	54.1	51.5	60.1	47.2	40.3	36.9	67.4	74.7	36.9
87.5°	24.5	25.3	25.7	26.6	19.7	14.2	14.2	18.9	18.9	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
900.1
905.7
927.6
964.9
1008.7
1052.0
1097.9
1132.6
1161.0
1187.6
1217.6
1248.9
1283.7
1335.6
1397.4
1470.3
1560.0
1655.2
1755.6
1867.2
1980.0
2089.8
2200.9
2311.2
2413.7
2492.3
2571.6
2665.2
2755.7
2869.4
2449.4
1456.1
255.3
74.2
32.6
10.7
0.0

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