

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: P940560

Luminaire Tested: **GALN-SB3C-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940560
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-SB3C-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16470 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

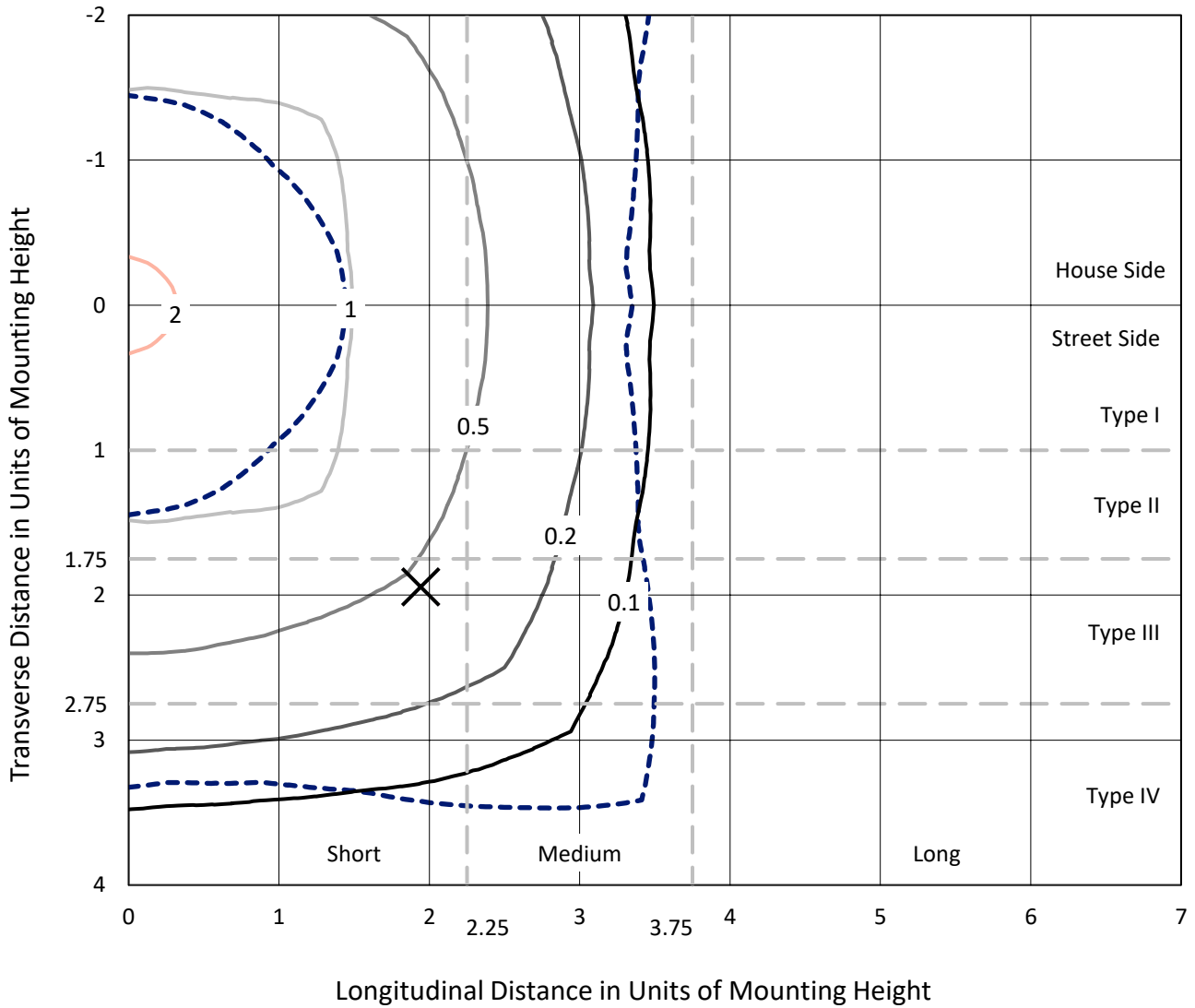
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

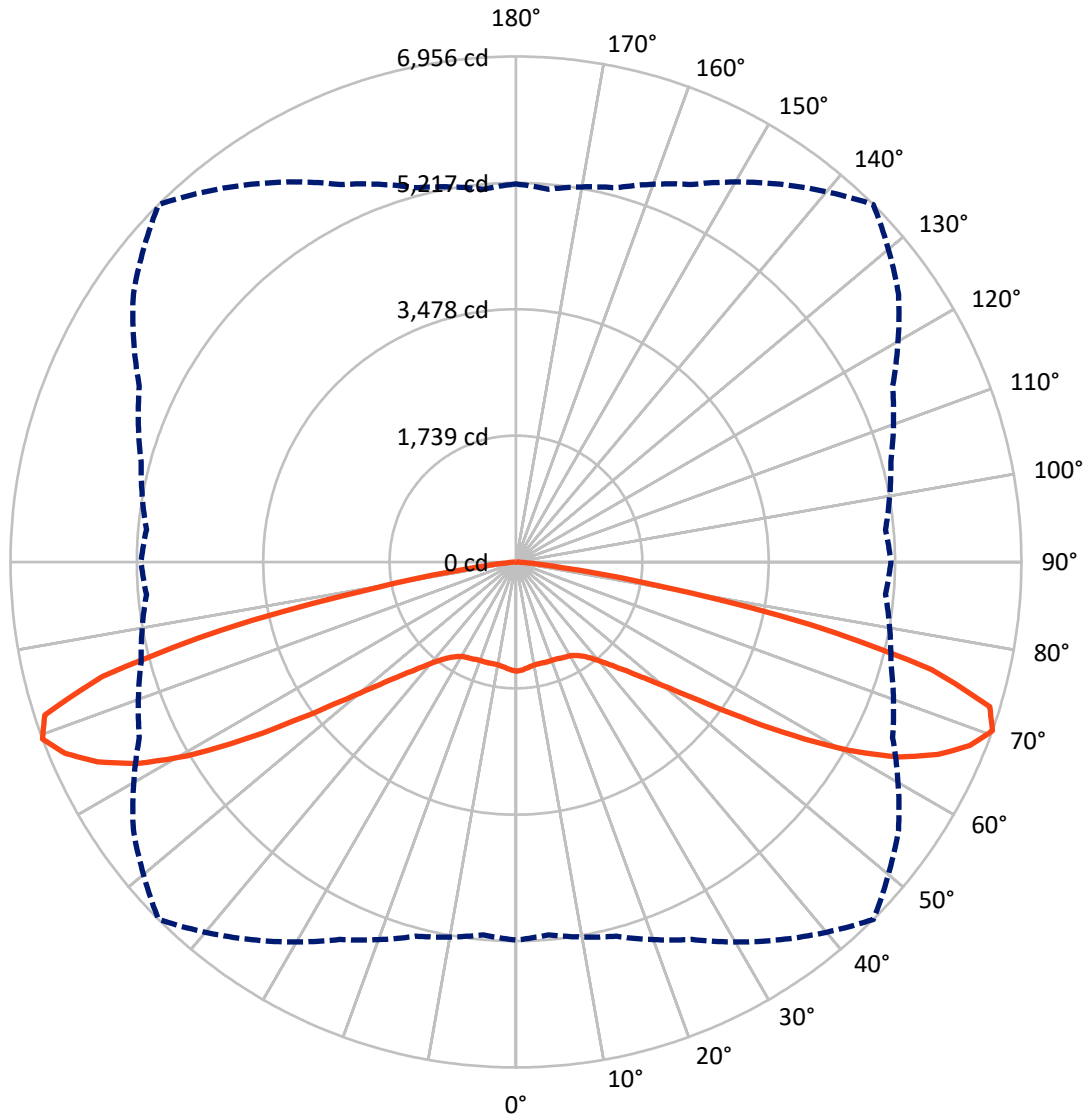
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	8235.0	0.0	8235.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8235.0	0.0	8235.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16470.0	0.0	16470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.8	0.8
10°-20°	410.4	2.5
20°-30°	682.9	4.1
30°-40°	1032.8	6.3
40°-50°	1716.2	10.4
50°-60°	3238.4	19.7
60°-70°	5468.2	33.2
70°-80°	3593.2	21.8
80°-90°	188.3	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°	16470.0	100.0
0°-180°	16470.0	100.0

Coefficient of Utilization



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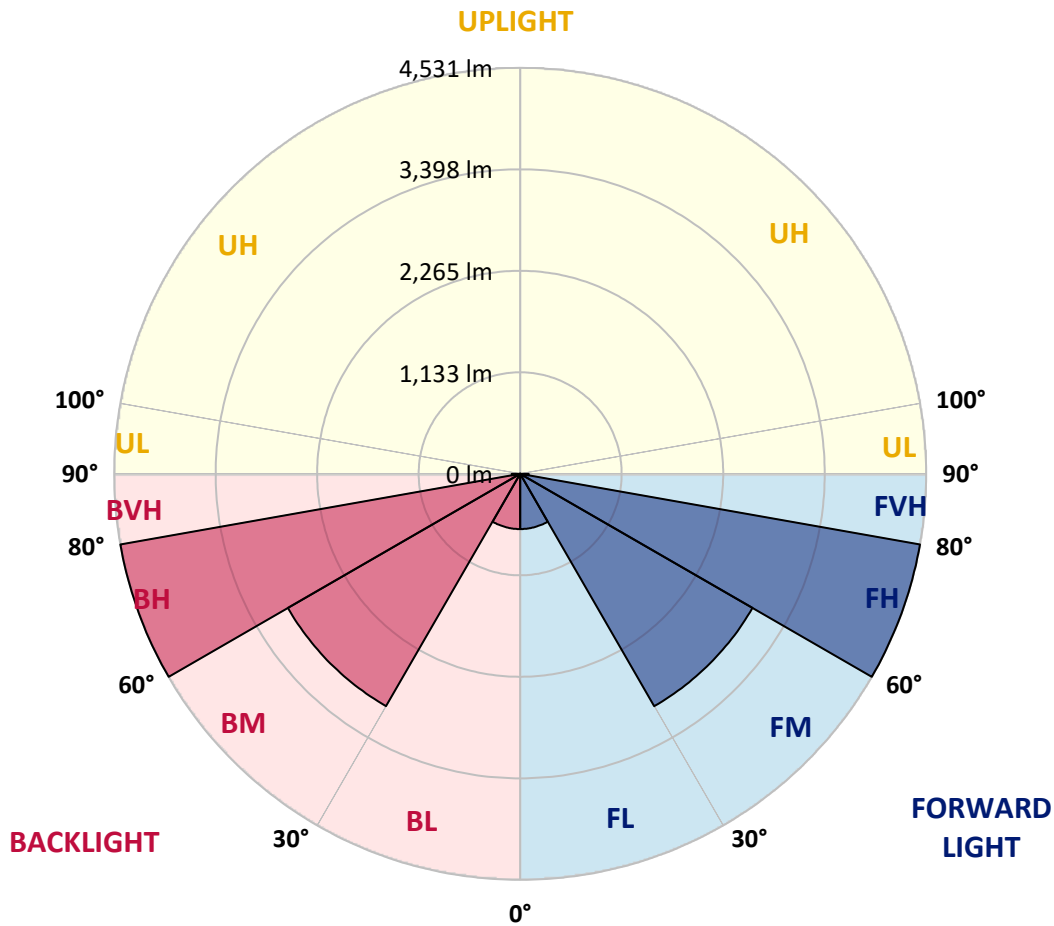
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.5	3.7			
FM (30°-60°)	2993.7	18.2			
FH (60°-80°)	4530.7	27.5			G2/5000
FVH (80°-90°)	94.1	0.6			G1/100
BL (0°-30°)	616.5	3.7	B2/1000		
BM (30°-60°)	2993.7	18.2	B3/5000		
BH (60°-80°)	4530.7	27.5	B4/5000		G2/5000
BVH (80°-90°)	94.1	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°	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4
2.5°	1493.0	1497.3	1495.5	1492.1	1492.1	1489.6	1492.1	1493.8	1496.4	1498.1
5°	1473.3	1476.7	1475.9	1473.3	1474.1	1471.6	1473.3	1475.9	1477.6	1478.4
7.5°	1456.2	1459.6	1457.9	1453.6	1453.6	1451.0	1451.9	1454.5	1457.0	1457.9
10°	1451.9	1455.3	1450.2	1443.3	1440.8	1437.3	1438.2	1440.8	1445.9	1448.5
12.5°	1453.6	1456.2	1451.0	1440.8	1438.2	1434.8	1434.8	1437.3	1444.2	1447.6
15°	1458.7	1461.3	1453.6	1442.5	1439.9	1437.3	1436.5	1439.9	1447.6	1453.6
17.5°	1468.2	1470.7	1458.7	1443.3	1439.9	1440.8	1439.9	1442.5	1454.5	1465.6
20°	1476.7	1478.4	1462.2	1443.3	1439.9	1440.8	1439.9	1445.0	1460.4	1475.9
22.5°	1479.3	1481.0	1465.6	1449.3	1446.8	1447.6	1446.8	1451.9	1466.4	1481.9
25°	1480.1	1482.7	1470.7	1457.9	1462.2	1463.9	1462.2	1463.0	1474.1	1487.8
27.5°	1493.0	1496.4	1485.3	1474.1	1476.7	1475.9	1478.4	1481.0	1489.6	1503.3
30°	1519.5	1522.1	1512.7	1501.5	1499.8	1493.8	1501.5	1510.1	1519.5	1531.5
32.5°	1563.2	1568.3	1556.3	1544.3	1536.6	1533.2	1539.2	1553.8	1566.6	1579.4
35°	1635.9	1639.4	1628.2	1606.0	1592.3	1592.3	1597.4	1616.3	1636.8	1653.1
37.5°	1738.7	1743.0	1723.3	1696.7	1676.2	1676.2	1683.0	1702.7	1733.5	1756.6
40°	1863.7	1869.6	1844.8	1817.4	1797.7	1794.3	1802.9	1825.1	1854.2	1883.3
42.5°	2014.3	2021.2	1988.6	1964.7	1949.3	1949.3	1953.5	1974.1	2000.6	2036.6
45°	2206.9	2218.9	2174.4	2150.4	2135.9	2139.3	2141.9	2159.9	2183.8	2224.9
47.5°	2436.4	2448.3	2401.3	2376.4	2373.9	2390.1	2379.9	2392.7	2405.5	2452.6
50°	2696.6	2717.2	2684.6	2682.9	2688.0	2718.0	2694.0	2700.9	2686.3	2716.3
52.5°	3015.1	3045.0	3039.0	3049.3	3106.7	3168.3	3113.5	3089.5	3034.8	3044.2
55°	3401.1	3446.5	3455.1	3516.7	3646.8	3772.7	3656.3	3559.5	3443.1	3421.7
57.5°	3840.3	3876.3	3917.4	4043.2	4286.3	4509.8	4286.3	4072.3	3889.1	3845.4
60°	4312.9	4357.4	4396.8	4582.5	4943.8	5258.0	4936.9	4597.1	4354.8	4295.7
62.5°	4820.5	4877.9	4905.3	5111.6	5532.8	5907.7	5538.7	5127.0	4858.2	4794.8
65°	5307.6	5354.7	5385.5	5605.5	6007.9	6383.7	6035.3	5629.5	5353.0	5269.9
67.5°	5534.5	5560.1	5635.5	5884.6	6309.2	6738.1	6381.1	5911.1	5602.1	5456.6
70°	5202.3	5150.1	5331.6	5730.5	6345.2	6955.5	6427.3	5718.5	5340.1	5103.9
72.5°	4020.1	3930.2	4245.2	4927.5	5934.2	6816.9	5975.3	4966.0	4441.3	3961.9
75°	2187.2	2085.4	2520.3	3383.2	4732.3	5908.6	4841.1	3479.9	2806.2	2171.0
77.5°	617.2	578.7	929.7	1636.8	2846.4	4148.5	2956.0	1672.8	1102.6	654.0
80°	189.2	183.2	248.3	493.1	1208.8	1986.9	1161.7	499.1	315.9	199.5
82.5°	112.1	102.7	123.3	179.8	308.2	624.1	299.6	187.5	150.7	101.0
85°	64.2	59.9	72.8	87.3	103.6	132.7	86.5	89.0	80.5	53.9
87.5°	26.5	24.0	28.3	27.4	24.0	30.8	23.1	27.4	32.5	21.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1502.4
1497.3
1478.4
1457.9
1448.5
1448.5
1454.5
1465.6
1476.7
1481.9
1487.0
1499.8
1528.9
1574.3
1647.1
1748.1
1873.9
2034.0
2223.2
2438.9
2698.3
3012.5
3388.3
3814.6
4244.4
4743.5
5228.9
5458.3
5160.4
4080.9
2312.2
726.8
210.6
109.6
56.5
19.7
0.0

OF REPORT)