

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: P527212

Luminaire Tested: **GALN-SA2B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8119 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

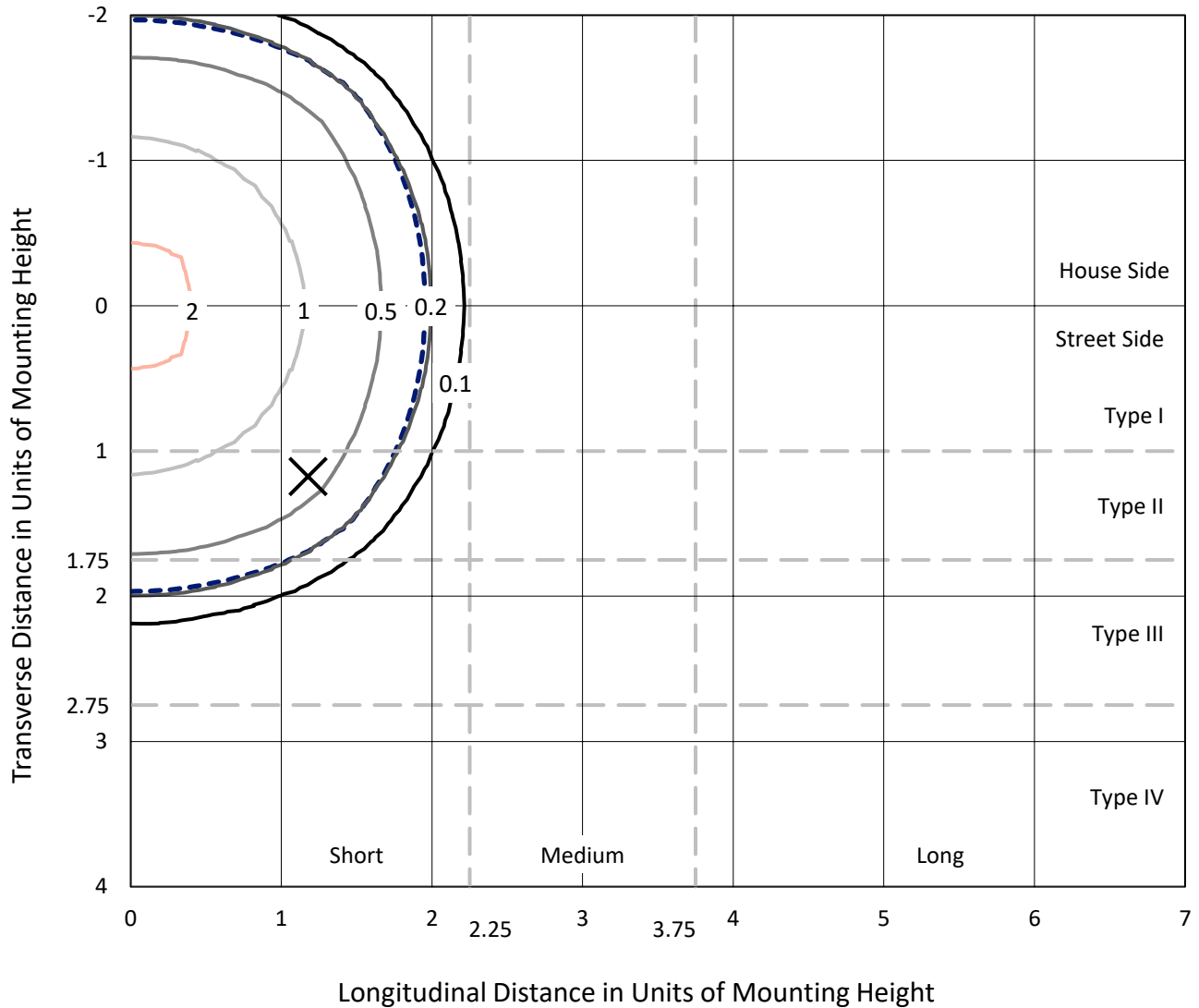
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527212
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Iso-Footcandle Lines of Horizontal Illumination

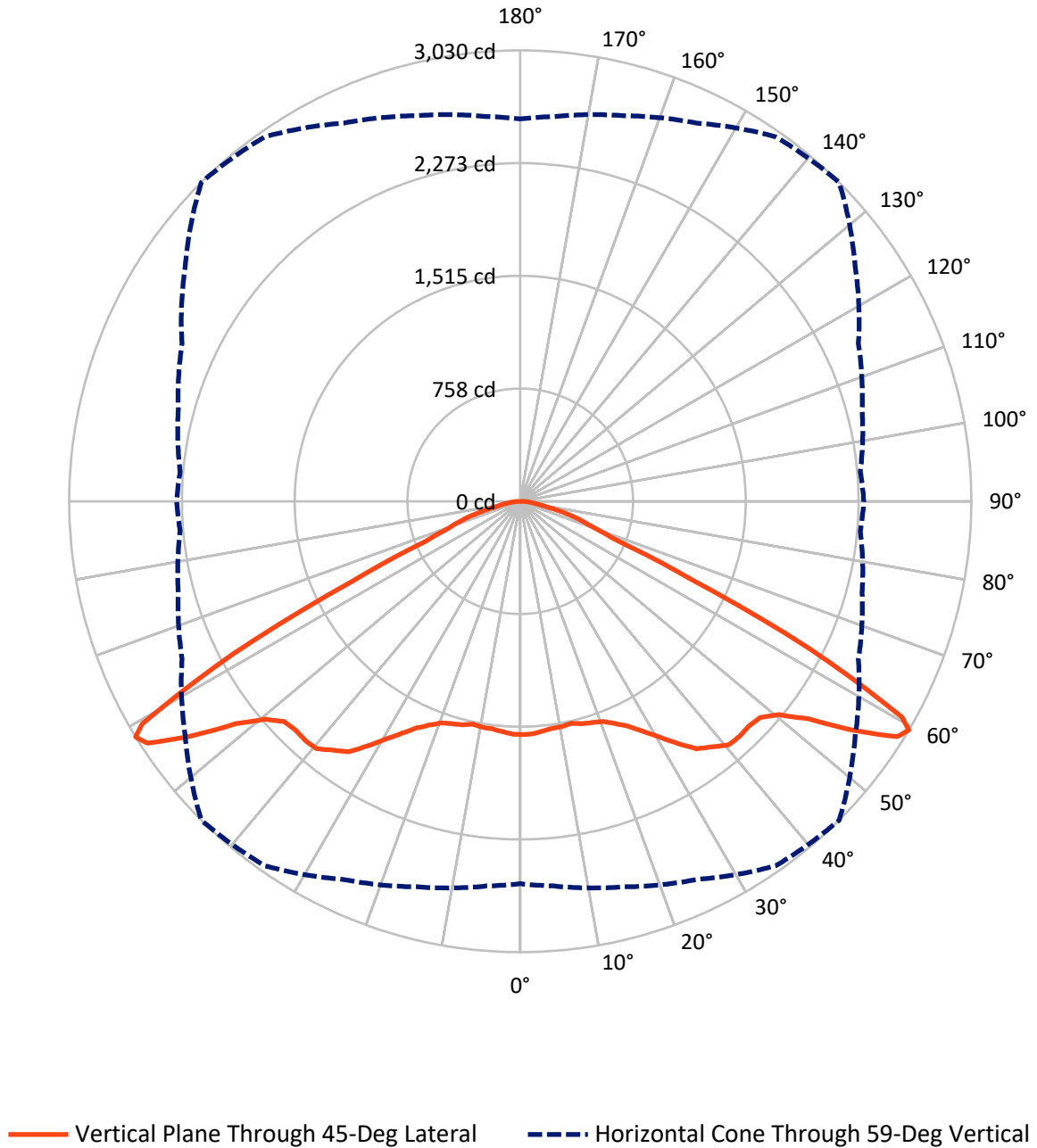
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

REPORT NUMBER: P527212
CATALOG NUMBER: GALN-SA2B-727-U-5WQ-GRSWH

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4059.5	0.0	4059.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4059.5	0.0	4059.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8119.0	0.0	8119.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	1.8
10°-20°	439.6	5.4
20°-30°	767.6	9.5
30°-40°	1226.0	15.1
40°-50°	1670.1	20.6
50°-60°	2258.4	27.8
60°-70°	1238.5	15.3
70°-80°	316.9	3.9
80°-90°	54.0	0.7
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°	8119.0	100.0
0°-180°	8119.0	100.0



REPORT NUMBER: P527212

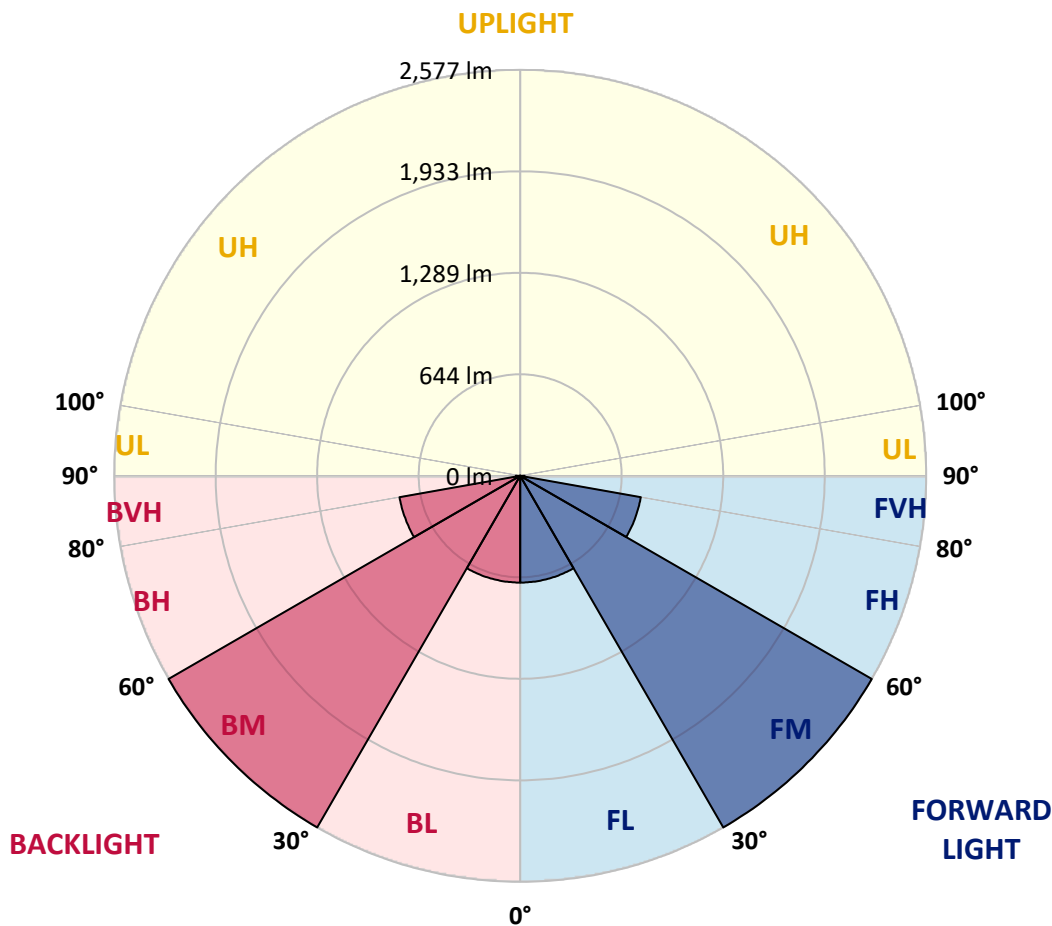
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.5	8.3			
FM (30°-60°)	2577.3	31.7			
FH (60°-80°)	777.7	9.6			G1/1800
FVH (80°-90°)	27.0	0.3			G1/100
BL (0°-30°)	677.5	8.3	B2/1000		
BM (30°-60°)	2577.3	31.7	B3/5000		
BH (60°-80°)	777.7	9.6	B2/1000		G1/1800
BVH (80°-90°)	27.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2
2.5°	1558.8	1570.3	1562.0	1569.2	1568.2	1565.1	1559.9	1556.8	1552.6	1558.8	1548.4
5°	1552.6	1562.0	1571.3	1558.8	1558.8	1552.6	1549.5	1543.2	1543.2	1542.2	1541.1
7.5°	1563.0	1553.6	1549.5	1551.6	1553.6	1540.1	1549.5	1537.0	1526.6	1533.9	1542.2
10°	1553.6	1557.8	1542.2	1549.5	1538.0	1540.1	1533.9	1542.2	1530.7	1530.7	1530.7
12.5°	1563.0	1551.6	1556.8	1551.6	1548.4	1530.7	1539.1	1529.7	1528.7	1539.1	1529.7
15°	1581.7	1563.0	1558.8	1548.4	1551.6	1551.6	1543.2	1544.3	1532.8	1539.1	1541.1
17.5°	1575.5	1565.1	1562.0	1549.5	1559.9	1563.0	1547.4	1537.0	1544.3	1543.2	1542.2
20°	1580.7	1584.9	1581.7	1583.8	1588.0	1579.6	1565.1	1550.5	1541.1	1554.7	1553.6
22.5°	1614.0	1609.8	1607.7	1605.7	1612.9	1621.3	1601.5	1578.6	1578.6	1588.0	1592.1
25°	1641.0	1640.0	1639.0	1648.3	1673.3	1673.3	1648.3	1619.2	1611.9	1618.2	1612.9
27.5°	1680.6	1692.0	1687.9	1704.5	1740.9	1749.3	1716.0	1681.6	1661.9	1654.6	1663.9
30°	1771.1	1757.6	1760.7	1778.4	1810.7	1837.7	1786.7	1750.3	1723.3	1722.2	1726.4
32.5°	1831.5	1841.9	1851.2	1867.9	1918.9	1939.7	1878.3	1819.0	1802.3	1793.0	1796.1
35°	1952.2	1942.8	1940.7	1957.4	2008.4	2042.7	1965.7	1913.7	1891.8	1912.6	1912.6
37.5°	2066.7	2040.6	2020.9	2042.7	2089.5	2093.7	2028.2	2000.1	1988.6	2012.5	2011.5
40°	2120.8	2118.7	2072.9	2085.4	2147.8	2154.1	2092.7	2059.4	2057.3	2088.5	2119.7
42.5°	2177.0	2157.2	2111.4	2119.7	2158.2	2160.3	2102.0	2092.7	2115.6	2145.7	2147.8
45°	2186.3	2169.7	2140.5	2119.7	2147.8	2154.1	2119.7	2126.0	2128.1	2164.5	2164.5
47.5°	2205.1	2203.0	2186.3	2170.7	2175.9	2170.7	2148.9	2158.2	2189.4	2207.1	2198.8
50°	2257.1	2235.2	2251.9	2238.4	2239.4	2254.0	2234.2	2243.6	2237.3	2221.7	2211.3
52.5°	2371.6	2361.1	2375.7	2385.1	2395.5	2428.8	2405.9	2355.9	2309.1	2267.5	2266.5
55°	2539.1	2546.4	2574.5	2622.3	2662.9	2716.0	2605.7	2486.0	2411.1	2345.5	2349.7
57.5°	2697.3	2692.1	2730.6	2839.8	2958.5	2985.5	2769.1	2598.4	2476.7	2435.0	2417.3
59°	2570.3	2595.3	2682.7	2804.4	2990.7	3030.3	2747.2	2506.8	2377.8	2293.5	2308.1
60°	2370.5	2379.9	2457.9	2627.5	2879.4	2947.0	2600.5	2365.3	2193.6	2144.7	2166.6
62.5°	1675.4	1668.1	1724.3	1862.7	2088.5	2180.1	1933.5	1768.0	1659.8	1605.7	1618.2
65°	890.8	924.1	947.0	1033.3	1153.0	1249.8	1147.8	1076.0	1015.6	970.9	969.9
67.5°	601.5	597.3	602.5	622.3	662.9	689.9	687.8	651.4	646.2	637.9	647.3
70°	506.8	504.7	495.3	495.3	503.7	509.9	517.2	521.3	529.7	540.1	539.0
72.5°	411.0	405.8	399.6	396.5	406.9	410.0	419.4	423.5	430.8	429.8	439.1
75°	271.6	271.6	278.9	287.2	290.3	296.6	297.6	310.1	310.1	312.2	303.9
77.5°	151.9	147.8	153.0	161.3	168.6	180.0	191.5	200.8	206.0	204.0	204.0
80°	88.5	88.5	93.7	103.0	112.4	122.8	131.1	138.4	143.6	141.5	137.4
82.5°	55.2	55.2	60.4	69.7	77.0	83.2	94.7	104.1	110.3	108.2	103.0
85°	28.1	28.1	34.3	40.6	49.9	54.1	53.1	48.9	47.9	42.7	42.7
87.5°	7.3	7.3	10.4	11.4	9.4	10.4	10.4	10.4	10.4	10.4	11.4
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)