

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: P452512

Luminaire Tested: **GALN-SA3C-727-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18370 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

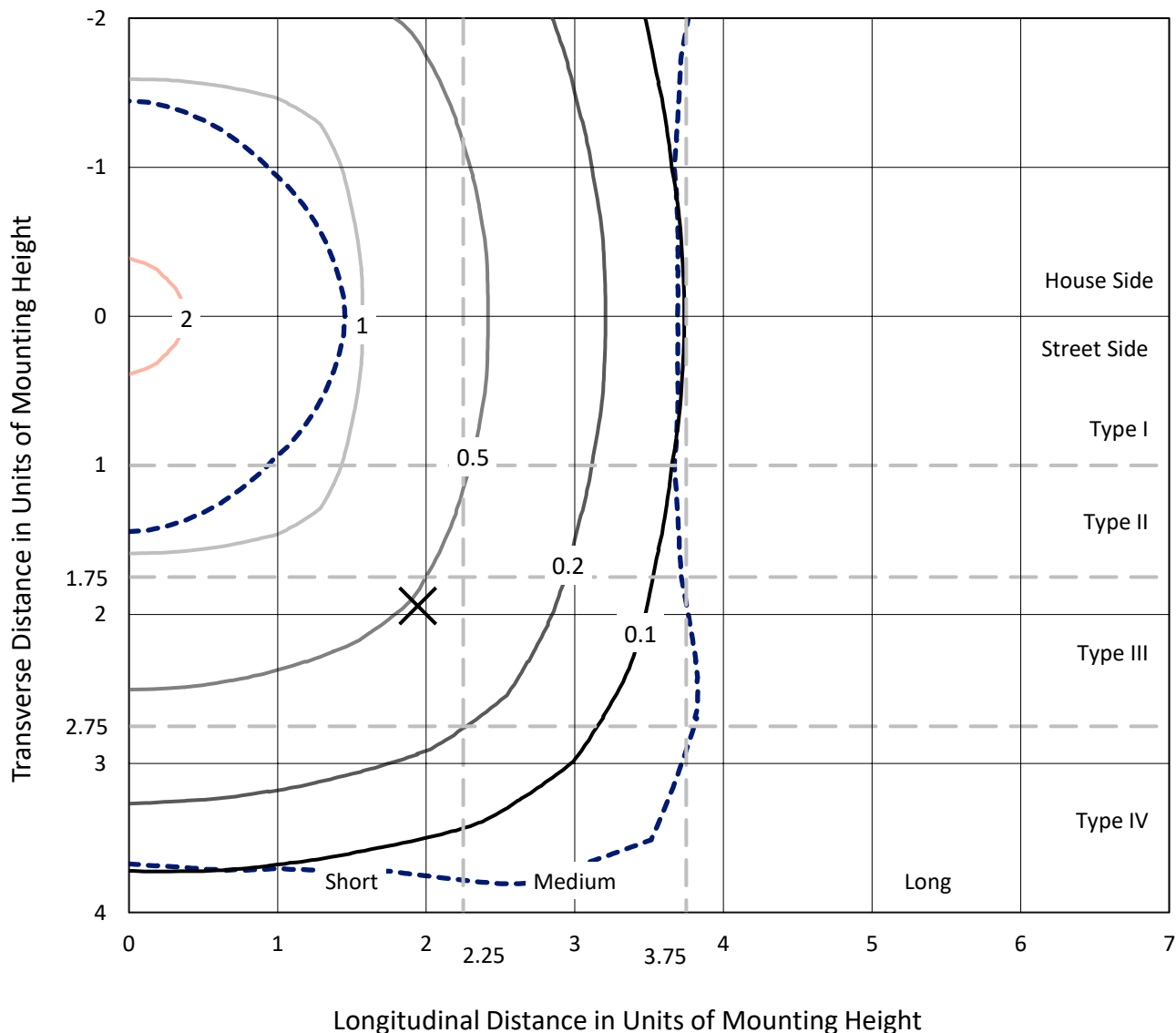
Input Watts (W): 160
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P452512
 CATALOG NUMBER: GALN-SA3C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

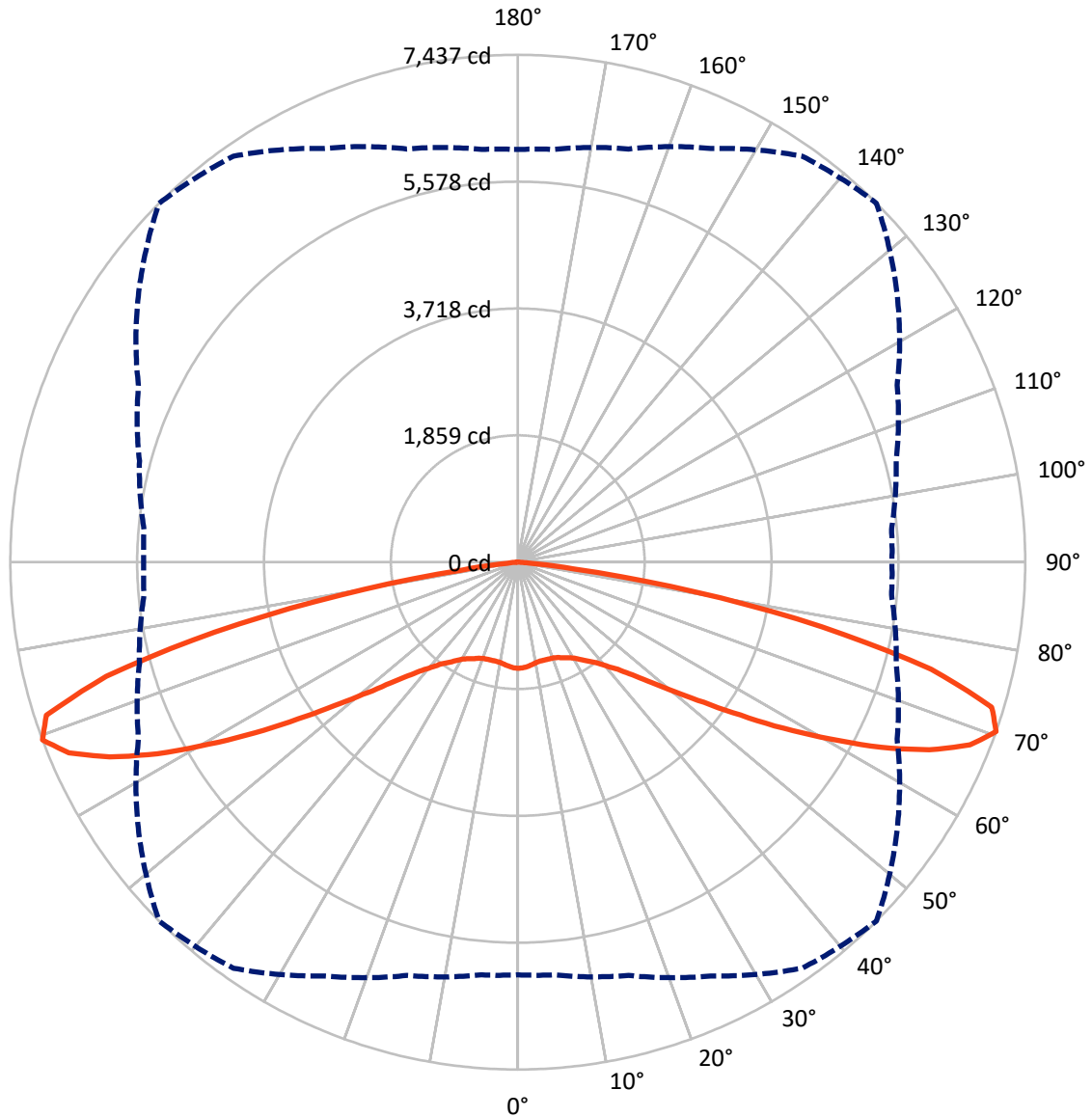
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P452512
CATALOG NUMBER: GALN-SA3C-727-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P452512

CATALOG NUMBER: GALN-SA3C-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9185.0	0.0	9185.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9185.0	0.0	9185.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18370.0	0.0	18370.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	0.8
10°-20°	425.8	2.3
20°-30°	725.5	3.9
30°-40°	1124.5	6.1
40°-50°	1892.6	10.3
50°-60°	3443.5	18.7
60°-70°	5829.8	31.7
70°-80°	4512.5	24.6
80°-90°	270.4	1.5
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°	18370.0	100.0
0°-180°	18370.0	100.0

Coefficient of Utilization



REPORT NUMBER: P452512

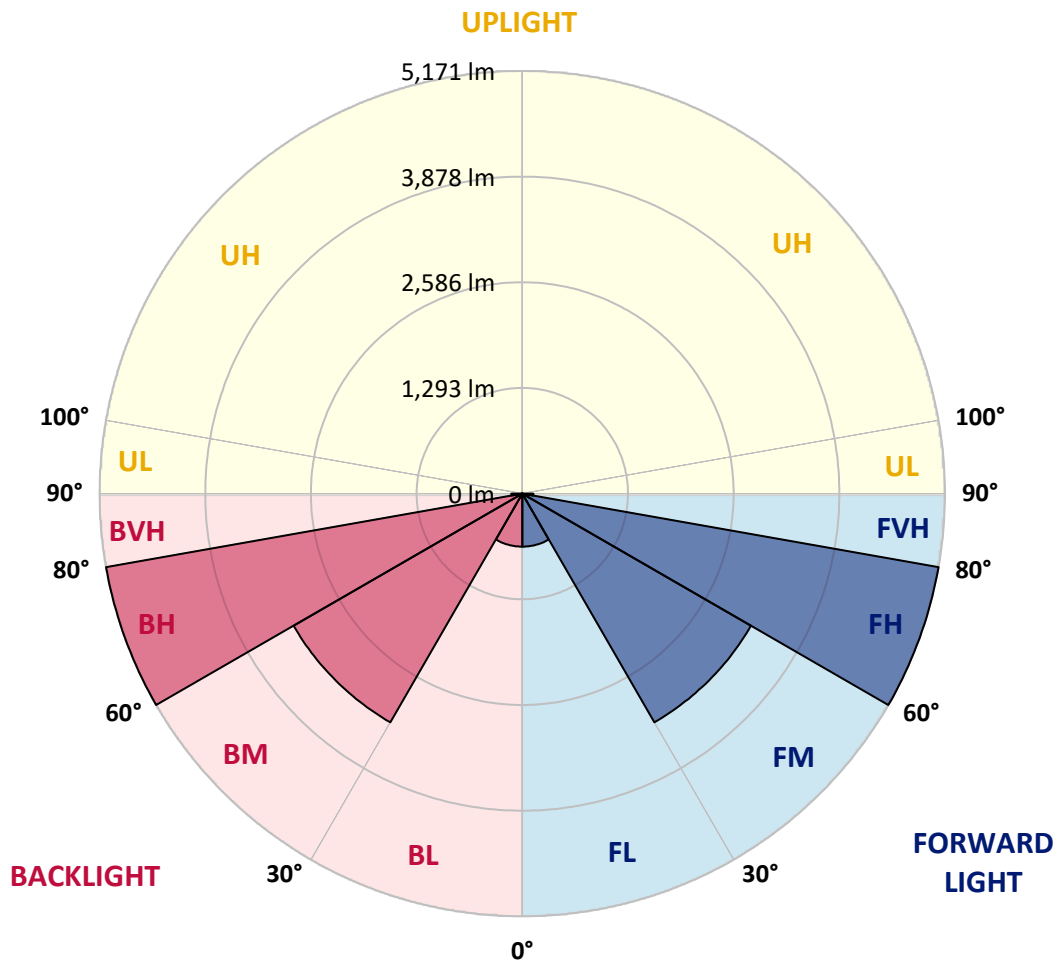
CATALOG NUMBER: GALN-SA3C-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.4	3.5			
FM (30°-60°)	3230.3	17.6			
FH (60°-80°)	5171.2	28.1			G3/7500
FVH (80°-90°)	135.2	0.7			G2/225
BL (0°-30°)	648.4	3.5	B2/1000		
BM (30°-60°)	3230.3	17.6	B3/5000		
BH (60°-80°)	5171.2	28.1	B5		G3/7500
BVH (80°-90°)	135.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P452512
 CATALOG NUMBER: GALN-SA3C-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2
2.5°	1551.4	1552.3	1552.3	1550.4	1549.4	1549.4	1548.5	1548.5	1551.4	1552.3	1553.3
5°	1537.8	1537.8	1537.8	1536.8	1534.9	1534.9	1532.9	1532.9	1533.9	1536.8	1534.9
7.5°	1519.3	1521.3	1521.3	1517.4	1514.5	1514.5	1513.5	1514.5	1515.5	1518.4	1517.4
10°	1513.5	1514.5	1509.6	1502.9	1498.0	1495.1	1496.1	1498.0	1502.9	1504.8	1505.8
12.5°	1517.4	1517.4	1508.7	1499.0	1490.2	1486.4	1485.4	1492.2	1500.9	1506.7	1508.7
15°	1522.3	1520.3	1509.6	1497.0	1488.3	1487.3	1486.4	1491.2	1503.8	1515.5	1516.4
17.5°	1525.2	1524.2	1510.6	1495.1	1490.2	1490.2	1489.3	1493.2	1506.7	1521.3	1522.3
20°	1534.9	1532.0	1516.4	1499.9	1496.1	1498.0	1495.1	1499.9	1514.5	1532.0	1535.8
22.5°	1554.3	1551.4	1535.8	1519.3	1517.4	1517.4	1516.4	1521.3	1536.8	1555.2	1558.2
25°	1577.6	1574.6	1560.1	1548.5	1550.4	1554.3	1552.3	1553.3	1565.9	1581.4	1586.3
27.5°	1608.6	1603.8	1591.1	1581.4	1587.3	1587.3	1587.3	1586.3	1594.1	1608.6	1613.5
30°	1646.4	1644.5	1630.9	1630.0	1634.8	1630.0	1630.0	1630.9	1631.9	1645.5	1650.3
32.5°	1695.9	1692.0	1685.3	1683.3	1696.9	1700.8	1687.2	1674.6	1681.4	1695.0	1697.9
35°	1777.4	1771.6	1761.9	1751.2	1761.9	1780.3	1751.2	1741.5	1759.0	1777.4	1779.4
37.5°	1888.0	1885.1	1869.6	1850.2	1849.2	1868.6	1838.5	1837.6	1870.6	1892.9	1895.8
40°	2026.8	2029.7	2010.3	1991.8	1982.1	1997.7	1974.4	1983.1	2015.1	2040.4	2038.4
42.5°	2221.8	2211.1	2181.0	2163.6	2152.9	2147.1	2141.3	2154.8	2190.7	2217.9	2239.2
45°	2449.8	2445.9	2408.1	2386.7	2363.4	2354.7	2352.8	2377.0	2420.7	2453.7	2456.6
47.5°	2707.9	2699.1	2674.9	2652.6	2643.8	2633.1	2623.4	2641.9	2685.5	2708.8	2715.6
50°	2973.7	2975.6	2975.6	2971.8	2980.5	2982.4	2956.2	2963.0	2987.3	2985.3	2983.4
52.5°	3277.4	3288.0	3338.5	3343.3	3385.1	3413.2	3365.7	3337.5	3328.8	3276.4	3280.3
55°	3634.4	3644.1	3719.8	3795.5	3908.0	3955.5	3855.6	3768.3	3706.2	3626.6	3630.5
57.5°	4079.7	4084.6	4156.4	4301.9	4480.4	4592.0	4416.4	4243.7	4117.6	4041.9	4011.8
60°	4559.0	4563.9	4668.6	4846.2	5123.7	5259.5	5042.2	4759.8	4600.7	4485.3	4493.0
62.5°	5134.3	5153.8	5247.9	5492.4	5829.0	5981.3	5693.2	5315.8	5100.4	4956.8	4962.6
65°	5750.4	5783.4	5886.3	6155.0	6465.5	6629.4	6276.3	5840.7	5572.9	5397.3	5415.7
67.5°	6150.2	6179.3	6327.7	6624.6	7011.7	7147.5	6691.5	6184.1	5849.4	5639.8	5601.0
70°	6048.3	6072.5	6270.5	6691.5	7264.9	7436.7	6790.5	6133.7	5739.8	5498.2	5482.7
72.5°	5339.1	5288.6	5577.7	6182.2	6975.8	7264.0	6479.1	5602.0	5106.2	4857.8	4828.7
75°	3538.4	3648.0	4074.9	4787.0	5901.8	6258.8	5530.2	4497.9	3874.0	3667.4	3635.4
77.5°	1182.7	1267.1	1646.4	2713.7	4023.5	4560.0	4029.3	2941.7	2081.1	1676.5	1684.3
80°	313.4	309.5	400.7	746.1	1738.6	2640.9	2023.9	996.4	545.3	394.9	374.5
82.5°	112.5	126.1	162.0	206.7	460.8	820.8	579.2	279.4	204.7	151.4	146.5
85°	49.5	48.5	69.9	82.5	115.5	153.3	135.8	118.4	103.8	68.9	64.0
87.5°	10.7	10.7	16.5	12.6	20.4	20.4	25.2	30.1	31.0	20.4	16.5
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)