

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: P529785

Luminaire Tested: **GALN-SA5A-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9991 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

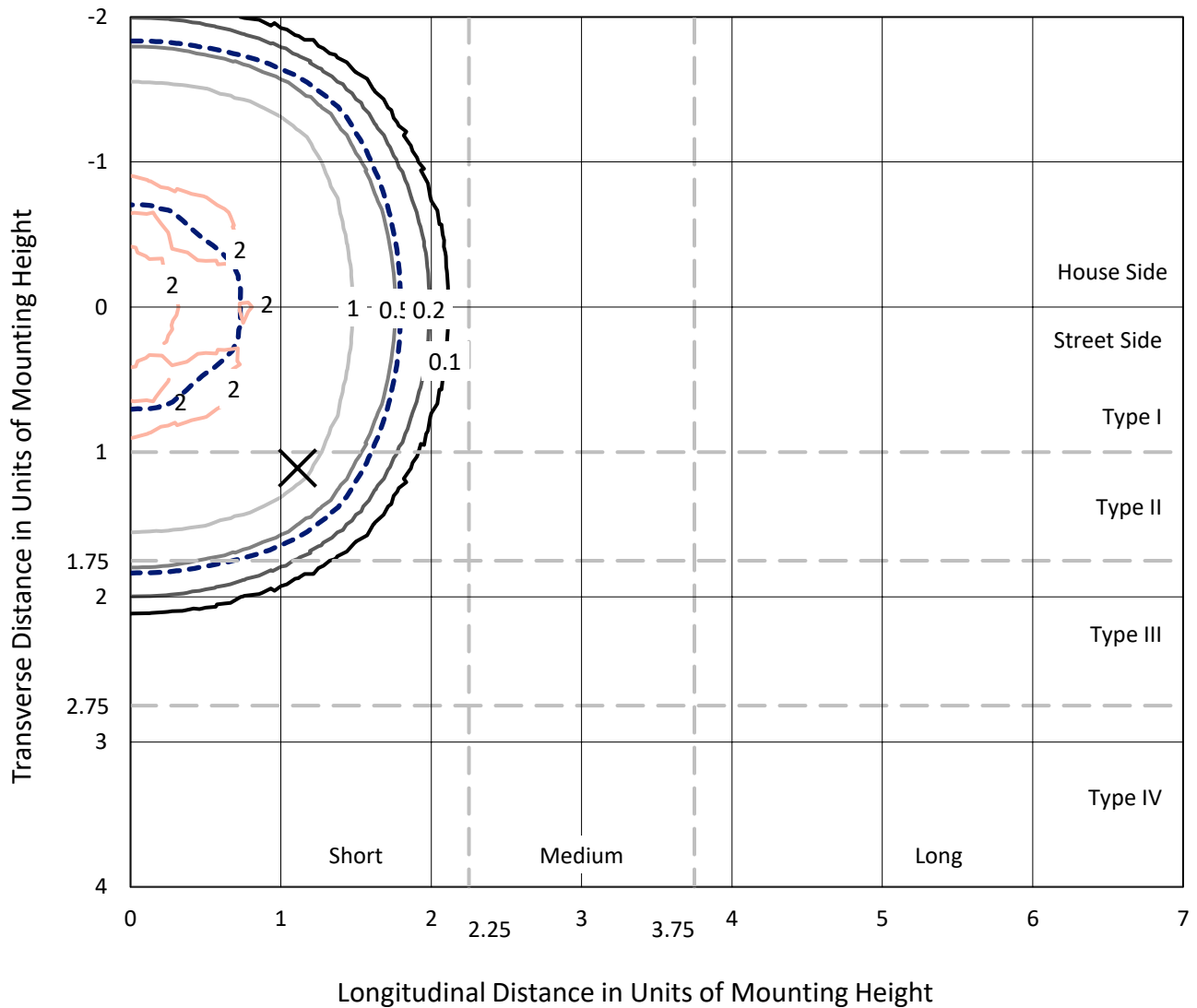
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

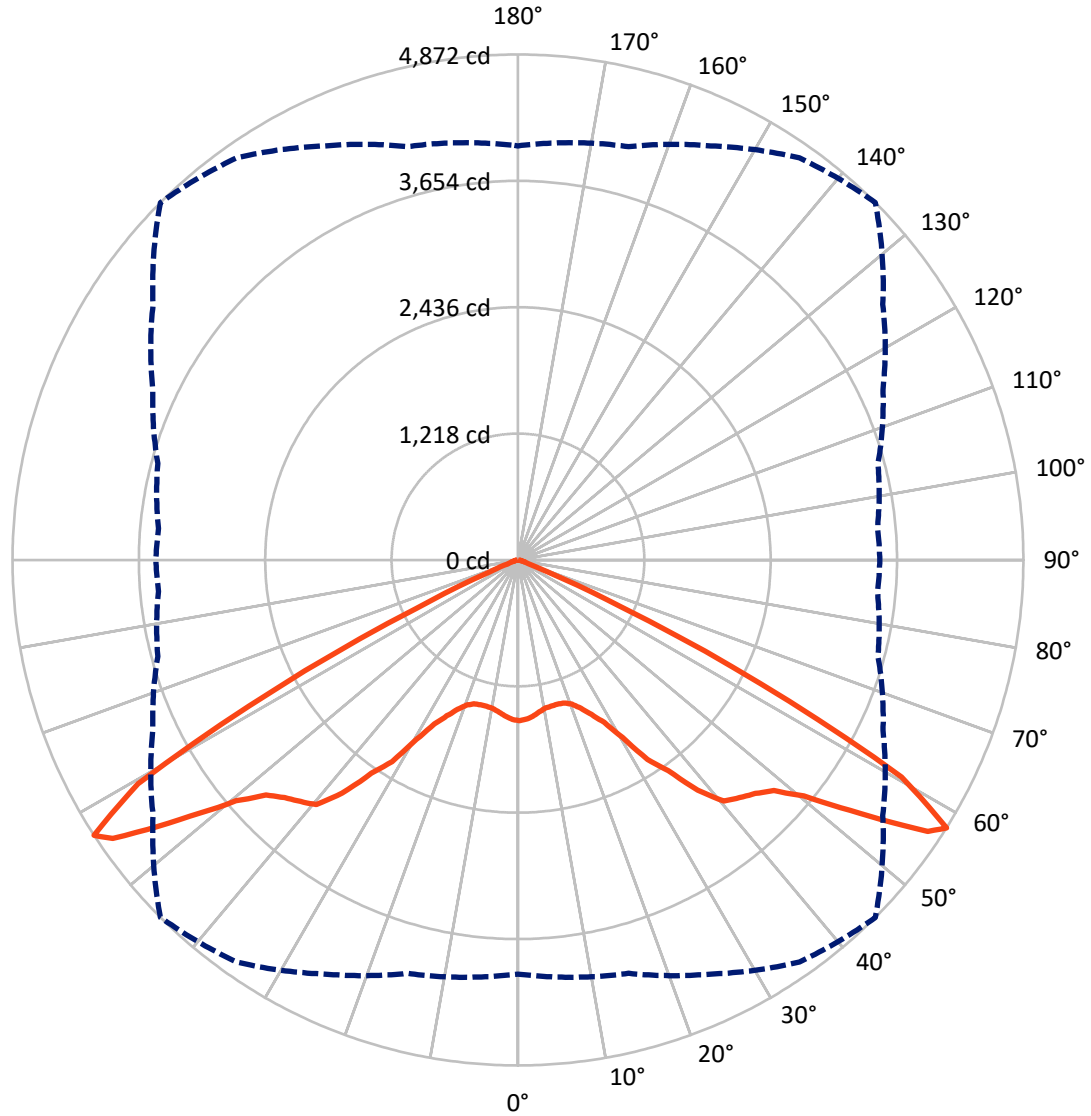
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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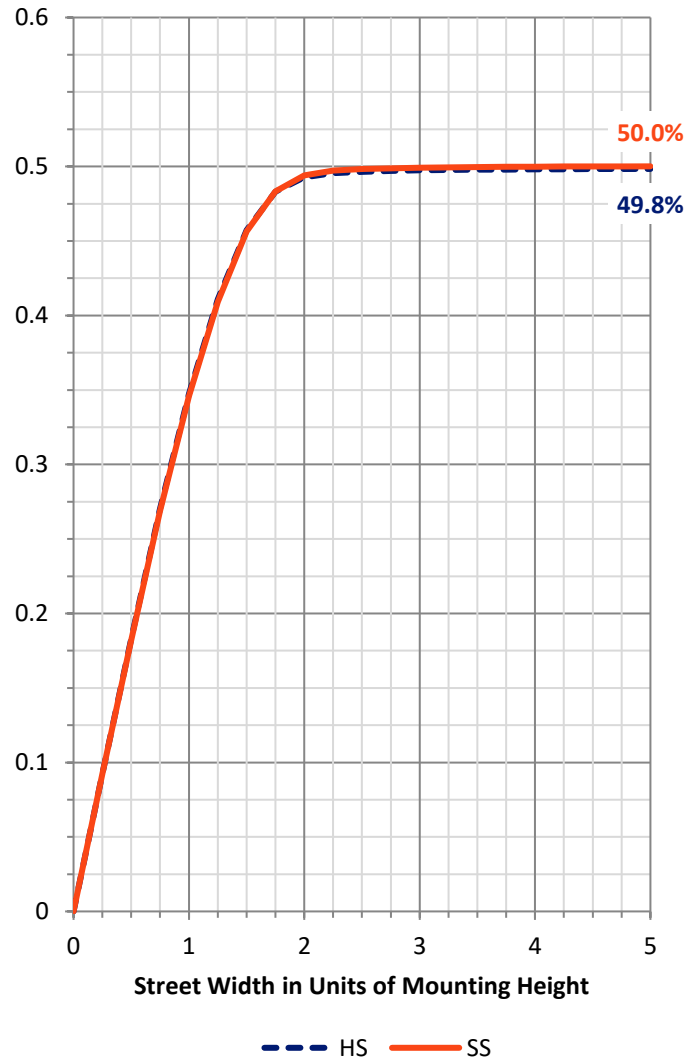
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4995.5	0.0	4995.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4995.5	0.0	4995.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9991.0	0.0	9991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	1.4
10°-20°	411.6	4.1
20°-30°	759.8	7.6
30°-40°	1494.3	15.0
40°-50°	2433.8	24.4
50°-60°	3470.8	34.7
60°-70°	1201.7	12.0
70°-80°	64.5	0.6
80°-90°	12.1	0.1
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°	9991.0	100.0
0°-180°	9991.0	100.0

Coefficient of Utilization

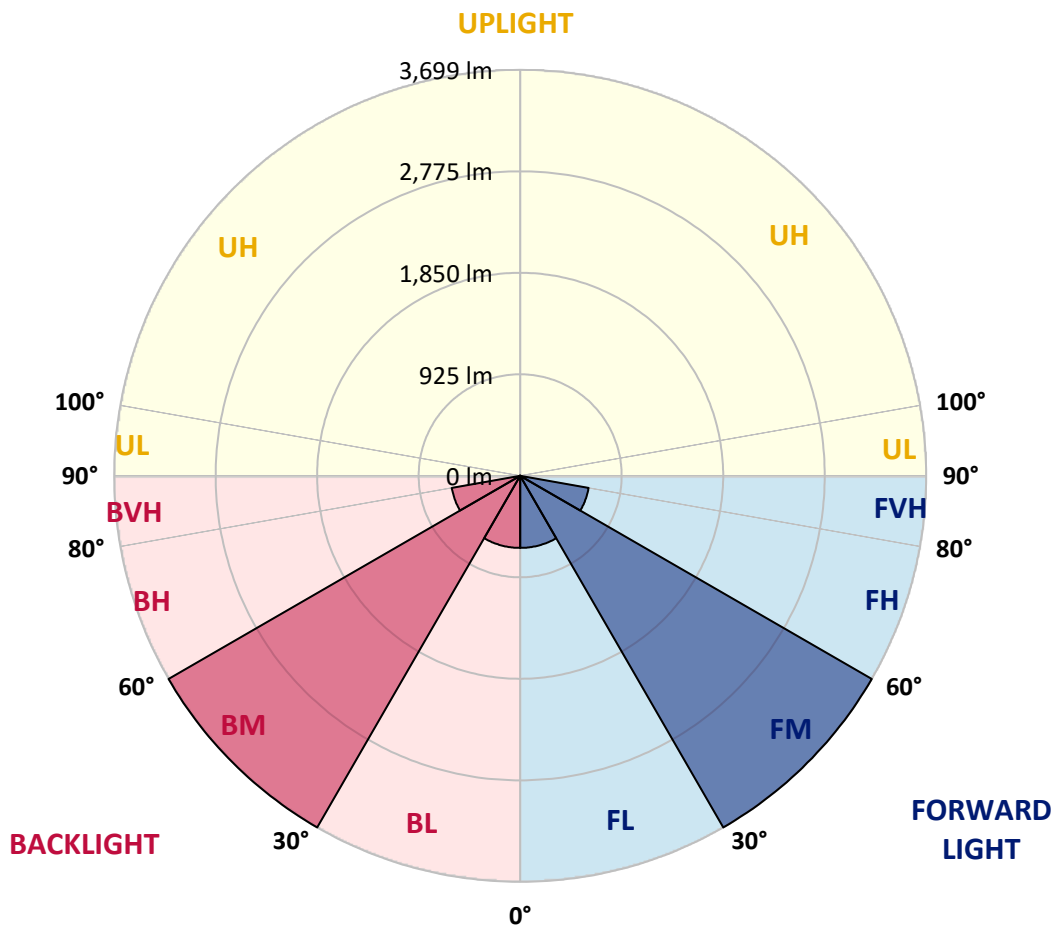


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.9	6.6			
FM (30°-60°)	3699.4	37.0			
FH (60°-80°)	633.1	6.3			G0/660
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	656.9	6.6	B2/1000		
BM (30°-60°)	3699.4	37.0	B3/5000		
BH (60°-80°)	633.1	6.3	B2/1000		G0/660
BVH (80°-90°)	6.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1545.5	1553.9	1543.5	1539.3	1537.2	1537.2	1531.0	1531.0	1528.9	1531.0	1522.6
5°	1520.5	1528.9	1528.9	1526.8	1514.3	1512.2	1506.0	1501.8	1503.9	1495.6	1501.8
7.5°	1495.6	1501.8	1493.5	1491.4	1487.2	1478.9	1476.8	1458.1	1460.1	1460.1	1464.3
10°	1491.4	1489.3	1476.8	1466.4	1453.9	1451.8	1445.6	1441.4	1441.4	1439.3	1445.6
12.5°	1491.4	1481.0	1478.9	1456.0	1435.1	1443.5	1426.8	1416.4	1431.0	1435.1	1443.5
15°	1489.3	1499.7	1464.3	1453.9	1439.3	1441.4	1426.8	1416.4	1424.7	1428.9	1435.1
17.5°	1501.8	1495.6	1485.1	1464.3	1458.1	1449.7	1431.0	1422.6	1422.6	1433.1	1435.1
20°	1535.1	1518.5	1497.6	1487.2	1493.5	1483.1	1460.1	1428.9	1437.2	1445.6	1451.8
22.5°	1566.4	1553.9	1539.3	1533.0	1568.5	1551.8	1512.2	1476.8	1464.3	1478.9	1489.3
25°	1626.8	1626.8	1599.7	1608.0	1647.6	1649.7	1603.9	1541.4	1533.0	1539.3	1543.5
27.5°	1749.7	1755.9	1733.0	1741.3	1758.0	1772.6	1733.0	1680.9	1662.2	1660.1	1666.4
30°	1883.0	1895.5	1893.4	1928.8	1976.7	1985.0	1926.7	1841.3	1785.1	1774.7	1783.0
32.5°	2057.9	2064.2	2060.0	2101.7	2230.8	2291.2	2139.2	2018.4	1943.4	1962.1	1943.4
35°	2387.1	2380.8	2335.0	2343.3	2449.5	2493.3	2347.5	2270.4	2235.0	2272.5	2264.2
37.5°	2670.3	2647.4	2609.9	2664.1	2774.5	2814.1	2662.0	2526.6	2462.0	2524.5	2551.6
40°	2909.9	2851.5	2799.5	2853.6	3001.5	3055.7	2832.8	2722.4	2697.4	2743.2	2801.6
42.5°	3111.9	3074.4	3005.7	3009.9	3107.7	3132.7	2953.6	2889.0	2864.0	2936.9	2966.1
45°	3255.6	3220.2	3155.7	3151.5	3226.5	3209.8	3049.4	3005.7	3020.3	3068.2	3082.8
47.5°	3328.5	3347.3	3309.8	3320.2	3359.8	3320.2	3193.1	3193.1	3159.8	3189.0	3174.4
50°	3538.9	3480.6	3528.5	3528.5	3570.2	3574.3	3447.3	3401.4	3311.9	3261.9	3261.9
52.5°	3784.7	3788.9	3807.6	3876.4	3947.2	4007.6	3826.4	3630.6	3480.6	3416.0	3407.7
55°	3986.8	4028.4	4103.4	4232.5	4436.7	4520.0	4207.5	3857.6	3674.3	3574.3	3553.5
56°	4097.1	4057.6	4186.7	4363.8	4630.4	4738.7	4270.0	3903.4	3701.4	3588.9	3586.8
57.5°	3990.9	4034.7	4124.2	4403.3	4730.4	4872.0	4292.9	3882.6	3593.1	3478.5	3488.9
60°	3151.5	3193.1	3314.0	3626.4	4138.8	4249.2	3632.7	3201.5	2943.2	2778.6	2780.7
62.5°	1783.0	1814.2	1908.0	2197.5	2516.2	2622.4	2264.2	1976.7	1797.6	1705.9	1676.8
65°	656.1	643.6	658.2	806.1	1001.9	1091.5	941.5	795.7	702.0	668.6	656.1
67.5°	245.8	227.0	212.5	227.0	285.4	302.0	277.0	231.2	216.6	222.9	227.0
70°	152.1	143.7	114.6	108.3	106.2	104.1	110.4	116.6	133.3	156.2	160.4
72.5°	106.2	100.0	81.2	77.1	72.9	70.8	81.2	89.6	104.1	120.8	122.9
75°	41.7	43.7	41.7	45.8	47.9	50.0	58.3	64.6	70.8	70.8	68.7
77.5°	8.3	8.3	12.5	16.7	20.8	27.1	39.6	45.8	47.9	45.8	39.6
80°	0.0	0.0	4.2	8.3	16.7	22.9	35.4	39.6	43.7	39.6	31.2
82.5°	0.0	0.0	4.2	10.4	16.7	20.8	33.3	41.7	47.9	43.7	33.3
85°	0.0	0.0	4.2	8.3	12.5	14.6	14.6	10.4	10.4	6.2	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)