

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: P527735

Luminaire Tested: **GALN-SA2D-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2D-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9365 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

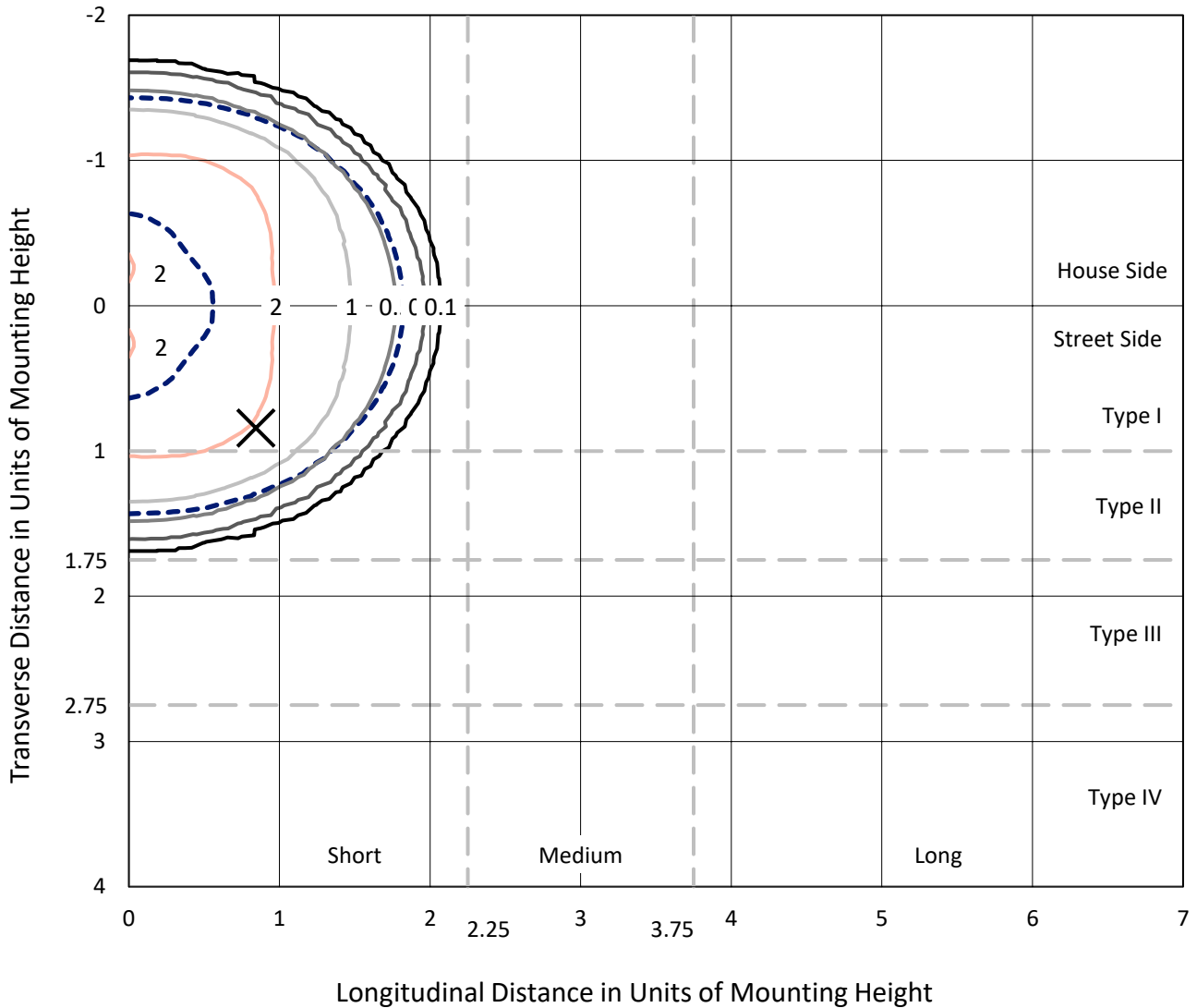
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

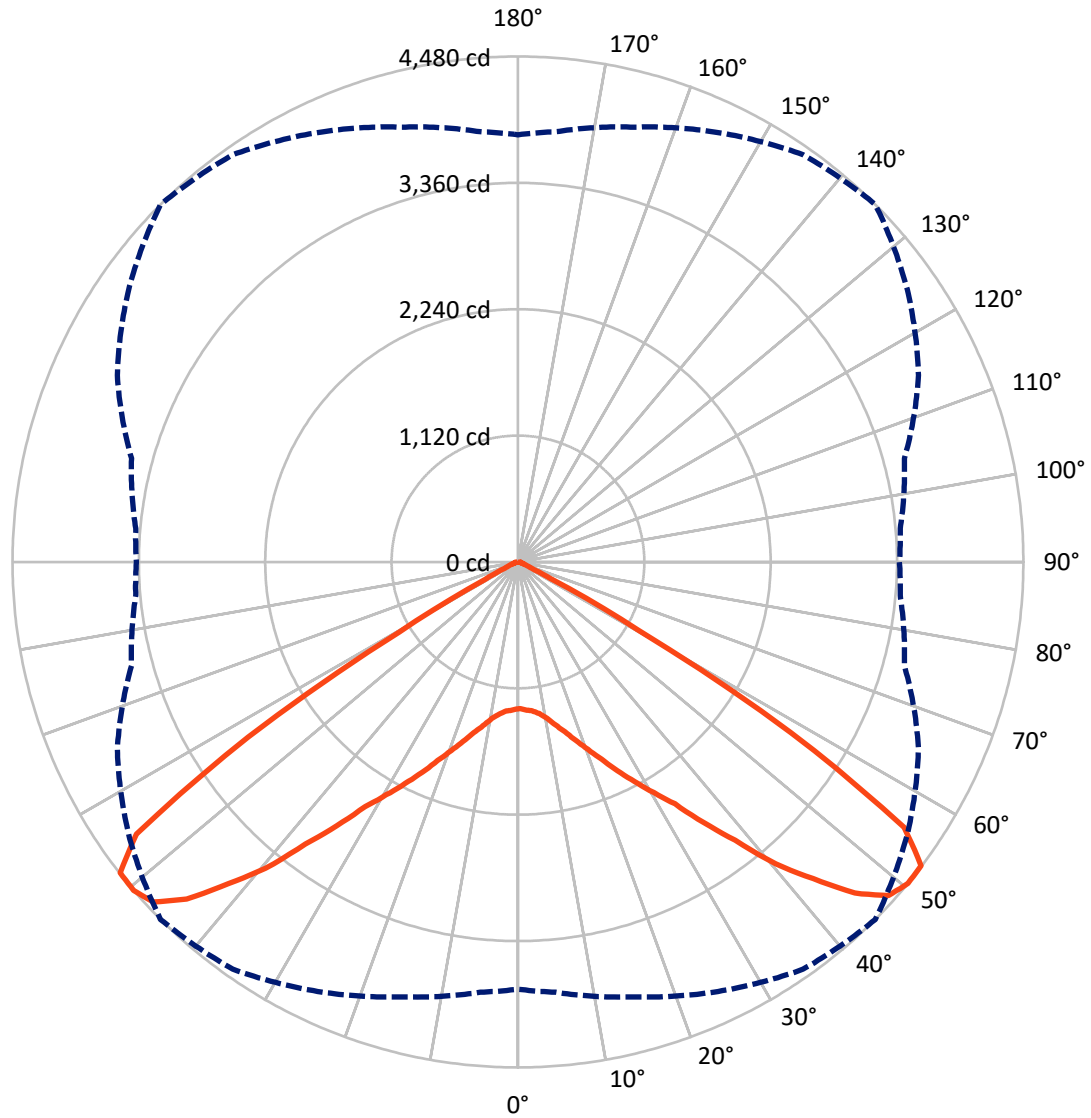
× Max cd  
 - - - 1/2 Max cd



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 50-Deg Vertical

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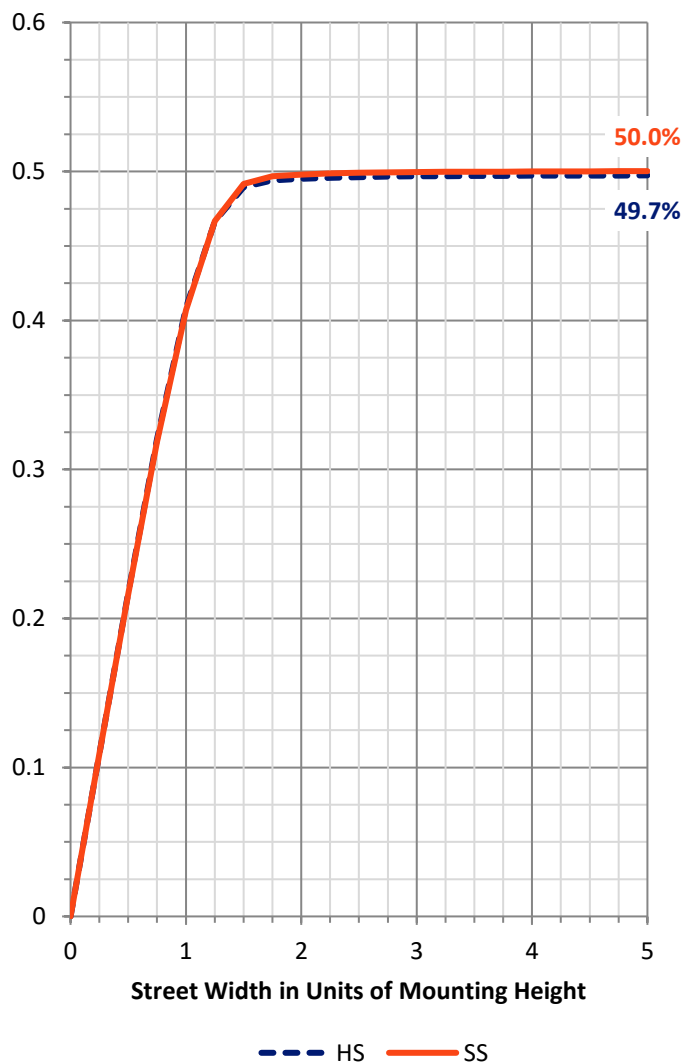
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4682.5	0.0	4682.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4682.5	0.0	4682.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9365.0	0.0	9365.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.2	1.4
10°-20°	445.2	4.8
20°-30°	909.2	9.7
30°-40°	1733.9	18.5
40°-50°	2921.9	31.2
50°-60°	2786.5	29.8
60°-70°	389.0	4.2
70°-80°	37.2	0.4
80°-90°	12.9	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°	9365.0	100.0
0°-180°	9365.0	100.0

**Coefficient of Utilization**



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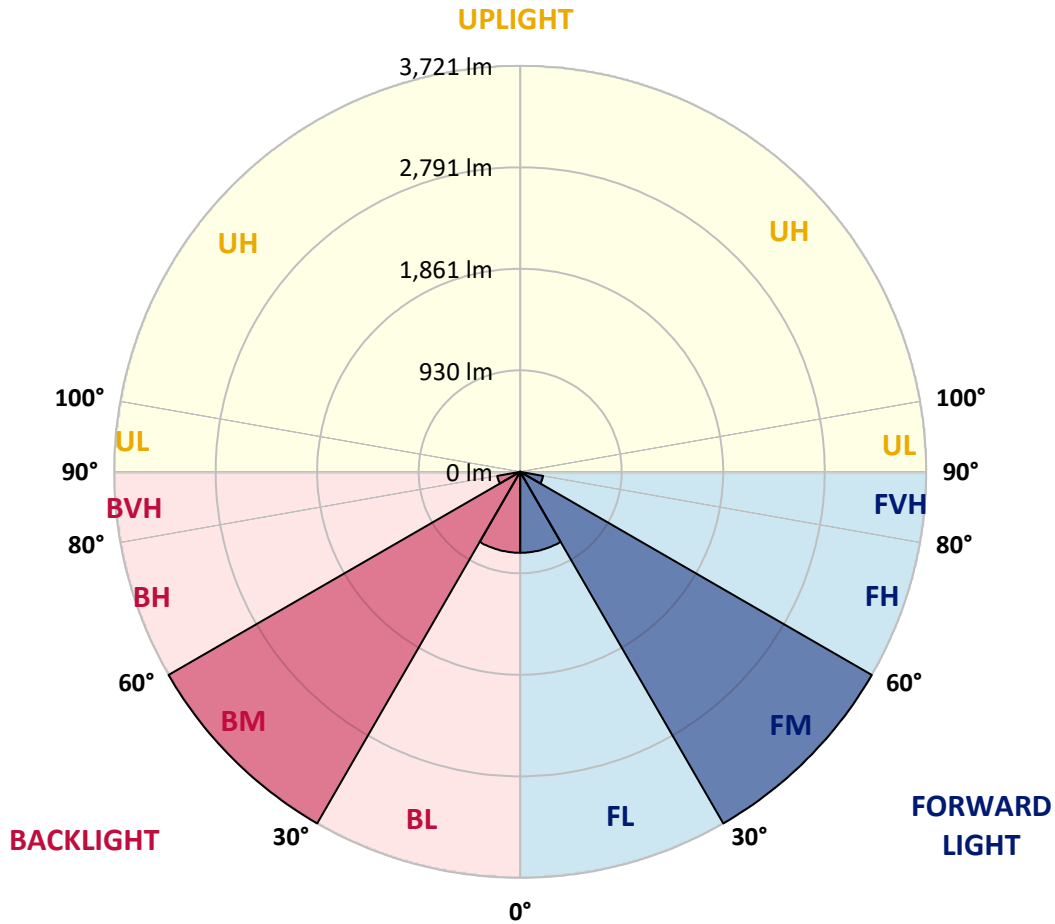
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	741.8	7.9			
FM (30°-60°)	3721.2	39.7			
FH (60°-80°)	213.1	2.3			G0/660
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	741.8	7.9	B2/1000		
BM (30°-60°)	3721.2	39.7	B3/5000		
BH (60°-80°)	213.1	2.3	B1/500		G0/660
BVH (80°-90°)	6.4	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°	1298.4	1298.4	1298.4	1298.4	1298.4	1298.4	1298.4	1298.4	1298.4	1298.4	1298.4
2.5°	1293.6	1293.6	1292.1	1304.7	1298.4	1312.5	1311.0	1315.7	1320.4	1318.8	1331.4
5°	1282.6	1281.0	1281.0	1295.2	1309.4	1325.1	1339.3	1348.8	1364.5	1364.5	1380.3
7.5°	1293.6	1285.7	1296.8	1303.1	1329.9	1356.7	1380.3	1399.2	1435.4	1448.0	1443.3
10°	1296.8	1306.2	1314.1	1333.0	1366.1	1407.1	1427.6	1474.8	1515.8	1544.2	1550.5
12.5°	1317.3	1331.4	1353.5	1399.2	1429.1	1482.7	1511.1	1556.8	1613.5	1645.0	1667.1
15°	1356.7	1361.4	1389.7	1448.0	1512.6	1561.5	1605.6	1638.7	1693.8	1730.1	1731.7
17.5°	1407.1	1427.6	1467.0	1522.1	1589.9	1662.3	1697.0	1733.2	1753.7	1802.6	1813.6
20°	1507.9	1511.1	1548.9	1621.4	1706.5	1772.6	1797.8	1816.8	1808.9	1859.3	1868.7
22.5°	1602.5	1605.6	1652.9	1750.6	1842.0	1898.7	1909.7	1898.7	1875.1	1911.3	1914.4
25°	1698.6	1726.9	1761.6	1859.3	1972.7	2048.4	2050.0	2020.0	1971.2	1977.5	1993.2
27.5°	1848.3	1868.7	1905.0	1994.8	2119.3	2204.4	2190.2	2153.9	2090.9	2095.6	2090.9
30°	2023.2	2042.1	2072.0	2187.0	2278.4	2371.4	2391.9	2357.2	2262.7	2242.2	2265.8
32.5°	2234.3	2261.1	2316.2	2421.8	2499.0	2555.7	2569.9	2557.3	2469.1	2461.2	2477.0
35°	2491.1	2527.4	2577.8	2670.8	2733.8	2836.2	2836.2	2793.7	2713.3	2722.8	2721.2
37.5°	2762.2	2815.7	2894.5	2989.1	3074.1	3129.3	3112.0	3075.7	2995.4	2974.9	2995.4
40°	3102.5	3129.3	3228.6	3351.5	3455.5	3518.5	3444.4	3365.6	3173.4	3203.3	3258.5
42.5°	3412.9	3455.5	3531.1	3666.6	3784.8	3836.8	3748.5	3592.5	3360.9	3337.3	3378.2
45°	3677.6	3723.3	3822.6	4016.4	4140.9	4186.6	3991.2	3739.1	3474.4	3414.5	3431.8
47.5°	3854.1	3877.7	4016.4	4200.7	4314.2	4418.2	4137.7	3839.9	3527.9	3414.5	3408.2
50°	3786.3	3827.3	3989.6	4199.2	4405.6	4479.6	4211.8	3917.1	3545.3	3400.3	3381.4
52.5°	3362.5	3433.4	3614.6	3896.6	4208.6	4473.3	4314.2	3891.9	3539.0	3414.5	3442.8
55°	2339.9	2341.4	2562.0	2978.0	3529.5	4153.5	4164.5	3920.3	3579.9	3502.7	3504.3
57.5°	940.7	987.9	1156.5	1574.1	2083.0	2852.0	3390.8	3636.7	3584.7	3565.7	3614.6
60°	237.9	239.5	291.5	444.3	732.7	1222.7	1775.8	2402.9	2766.9	2891.4	2908.7
62.5°	121.3	122.9	135.5	157.6	200.1	327.7	583.0	924.9	1315.7	1514.2	1566.2
65°	99.3	99.3	107.1	118.2	119.8	126.1	151.3	215.9	313.6	356.1	360.8
67.5°	75.6	75.6	81.9	88.2	91.4	89.8	86.7	89.8	108.7	104.0	100.8
70°	47.3	48.8	52.0	58.3	61.5	63.0	64.6	67.8	77.2	80.4	77.2
72.5°	28.4	28.4	29.9	34.7	39.4	42.5	47.3	50.4	55.1	63.0	61.5
75°	12.6	12.6	15.8	20.5	25.2	29.9	34.7	39.4	42.5	47.3	48.8
77.5°	3.2	4.7	7.9	14.2	18.9	25.2	31.5	36.2	39.4	39.4	37.8
80°	1.6	1.6	6.3	11.0	20.5	26.8	34.7	37.8	42.5	39.4	34.7
82.5°	1.6	1.6	6.3	11.0	18.9	26.8	36.2	41.0	44.1	39.4	33.1
85°	0.0	1.6	4.7	9.5	15.8	18.9	15.8	11.0	6.3	6.3	4.7
87.5°	0.0	0.0	1.6	1.6	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)