

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: P528667

Luminaire Tested: **GALN-SA3D-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528667  
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-SA3D-735-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1200mA 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: 11221 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

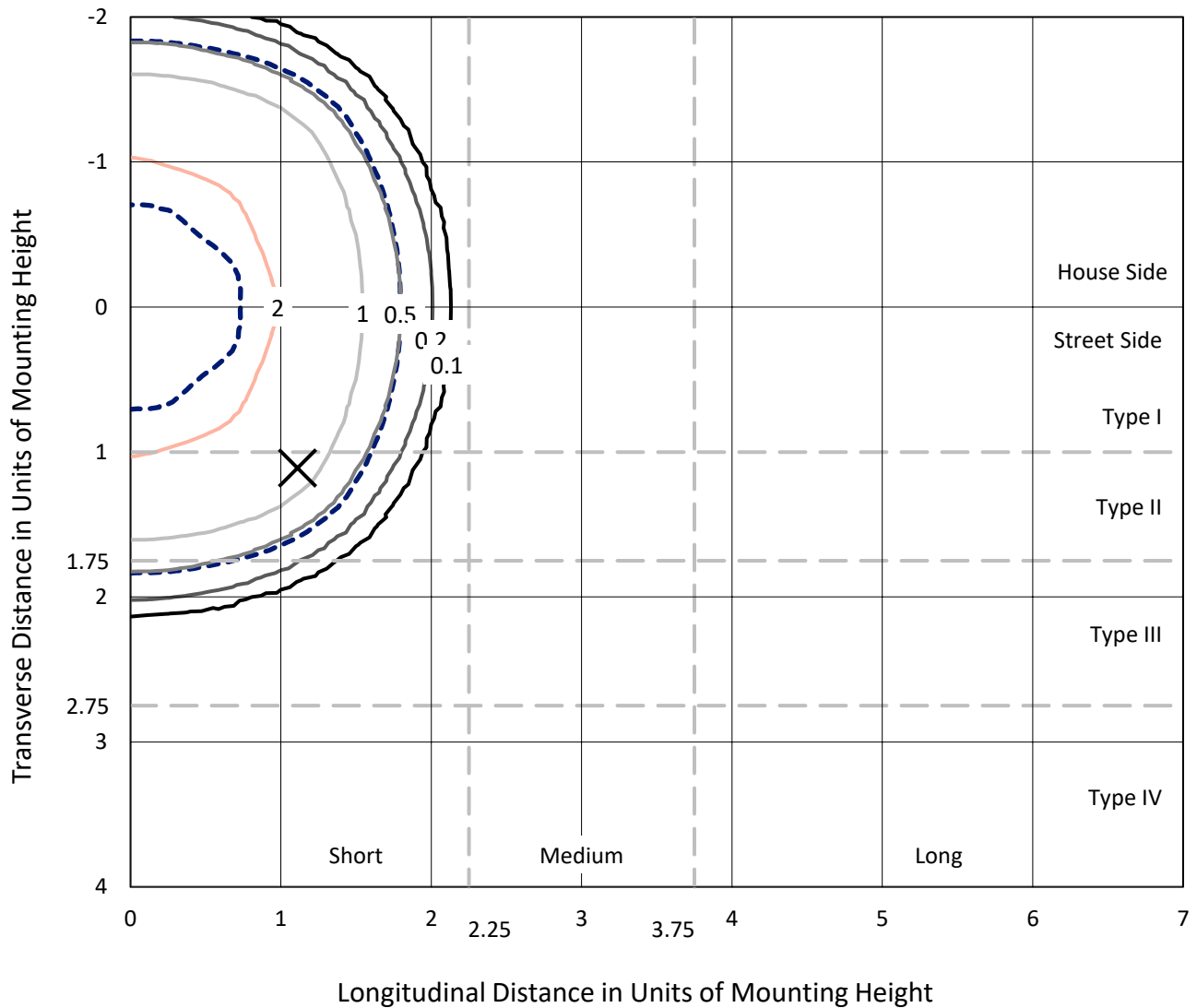
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

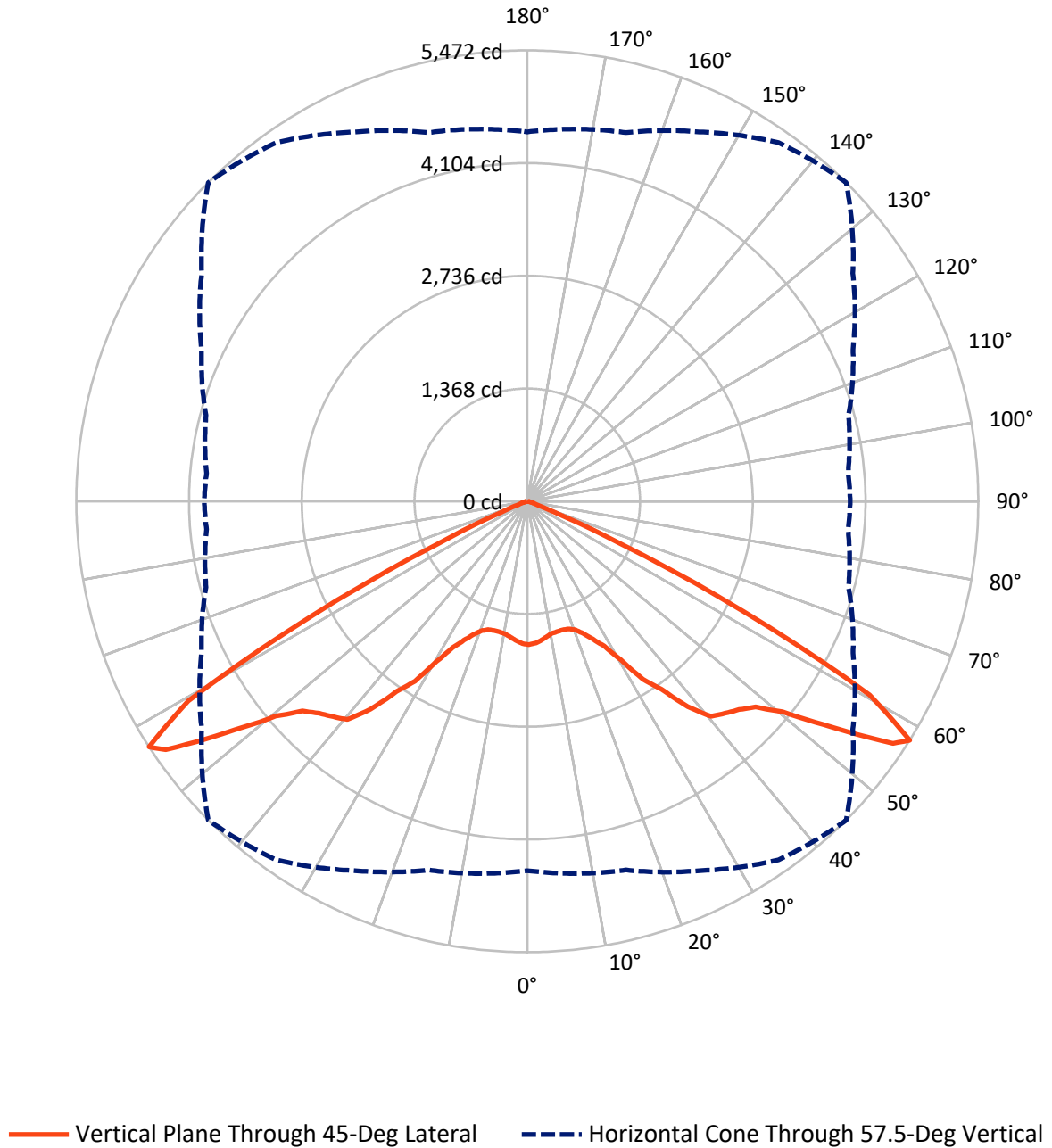
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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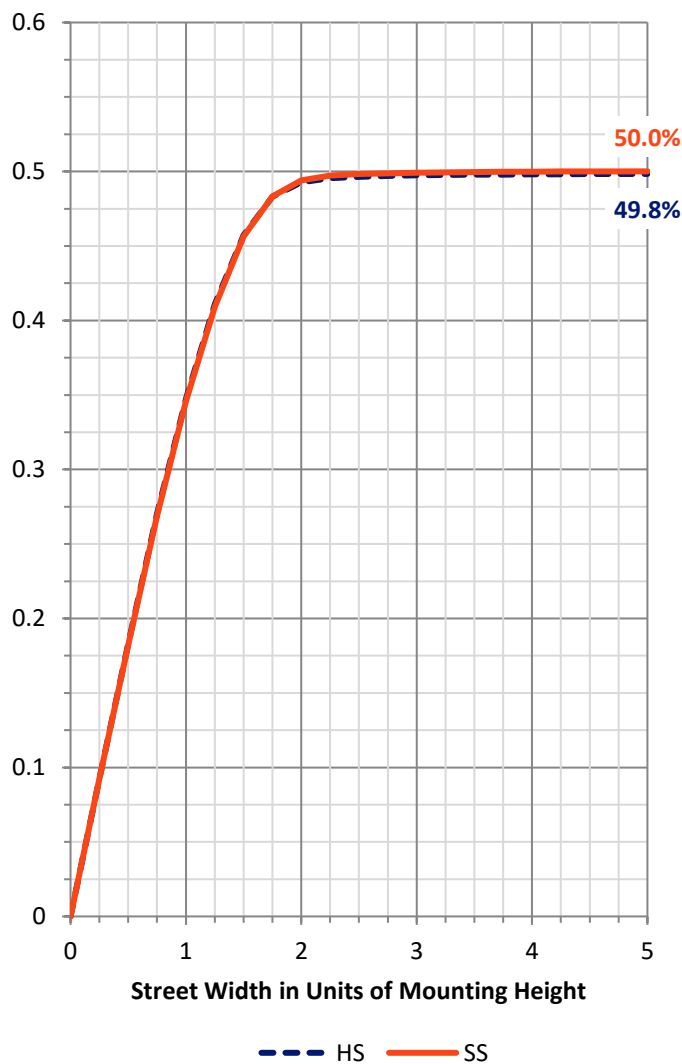
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5610.5	0.0	5610.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5610.5	0.0	5610.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11221.0	0.0	11221.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.9	1.4
10°-20°	462.3	4.1
20°-30°	853.4	7.6
30°-40°	1678.2	15.0
40°-50°	2733.4	24.4
50°-60°	3898.1	34.7
60°-70°	1349.6	12.0
70°-80°	72.4	0.6
80°-90°	13.6	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°	11221.0	100.0
0°-180°	11221.0	100.0

**Coefficient of Utilization**

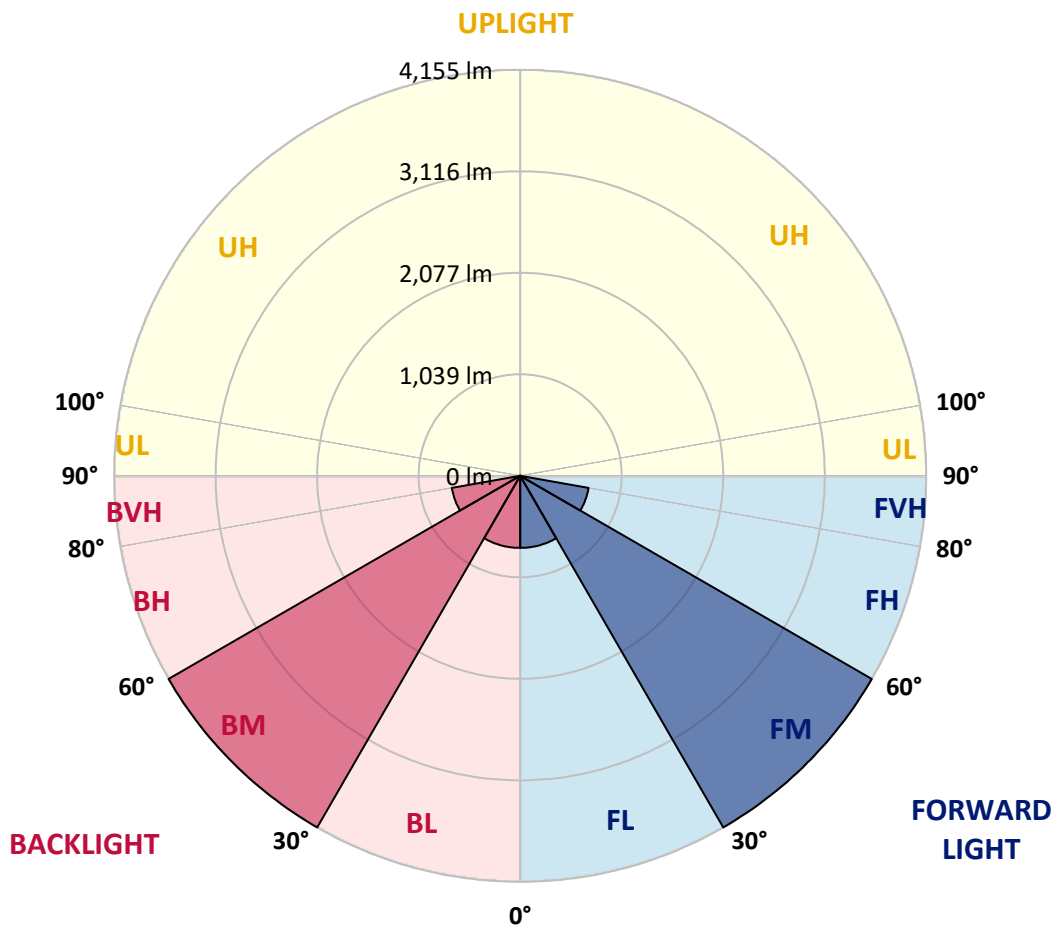


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.8	6.6			
FM (30°-60°)	4154.9	37.0			
FH (60°-80°)	711.0	6.3			G1/1800
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	737.8	6.6	B2/1000		
BM (30°-60°)	4154.9	37.0	B3/5000		
BH (60°-80°)	711.0	6.3	B2/1000		G1/1800
BVH (80°-90°)	6.8	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-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5
2.5°	1735.8	1745.2	1733.5	1728.8	1726.5	1726.5	1719.4	1719.4	1717.1	1719.4	1710.1
5°	1707.7	1717.1	1717.1	1714.8	1700.7	1698.4	1691.4	1686.7	1689.0	1679.7	1686.7
7.5°	1679.7	1686.7	1677.3	1675.0	1670.3	1661.0	1658.6	1637.6	1639.9	1639.9	1644.6
10°	1675.0	1672.7	1658.6	1646.9	1632.9	1630.5	1623.5	1618.8	1618.8	1616.5	1623.5
12.5°	1675.0	1663.3	1661.0	1635.2	1611.8	1621.2	1602.5	1590.8	1607.2	1611.8	1621.2
15°	1672.7	1684.3	1644.6	1632.9	1616.5	1618.8	1602.5	1590.8	1600.1	1604.8	1611.8
17.5°	1686.7	1679.7	1668.0	1644.6	1637.6	1628.2	1607.2	1597.8	1597.8	1609.5	1611.8
20°	1724.1	1705.4	1682.0	1670.3	1677.3	1665.6	1639.9	1604.8	1614.2	1623.5	1630.5
22.5°	1759.2	1745.2	1728.8	1721.8	1761.5	1742.8	1698.4	1658.6	1644.6	1661.0	1672.7
25°	1827.1	1827.1	1796.6	1806.0	1850.4	1852.8	1801.3	1731.1	1721.8	1728.8	1733.5
27.5°	1965.1	1972.1	1946.4	1955.7	1974.4	1990.8	1946.4	1887.9	1866.8	1864.5	1871.5
30°	2114.8	2128.8	2126.5	2166.3	2220.1	2229.4	2163.9	2068.0	2004.8	1993.1	2002.5
32.5°	2311.3	2318.3	2313.6	2360.4	2505.5	2573.3	2402.5	2266.9	2182.6	2203.7	2182.6
35°	2680.9	2673.9	2622.4	2631.8	2751.1	2800.2	2636.5	2549.9	2510.1	2552.3	2542.9
37.5°	2999.1	2973.3	2931.2	2992.1	3116.0	3160.5	2989.7	2837.7	2765.1	2835.3	2865.7
40°	3268.1	3202.6	3144.1	3204.9	3371.0	3431.9	3181.5	3057.6	3029.5	3081.0	3146.5
42.5°	3495.0	3452.9	3375.7	3380.4	3490.3	3518.4	3317.2	3244.7	3216.6	3298.5	3331.3
45°	3656.4	3616.7	3544.2	3539.5	3623.7	3605.0	3424.8	3375.7	3392.1	3445.9	3462.3
47.5°	3738.3	3759.4	3717.3	3729.0	3773.4	3729.0	3586.3	3586.3	3548.8	3581.6	3565.2
50°	3974.6	3909.1	3962.9	3962.9	4009.7	4014.4	3871.7	3820.2	3719.6	3663.5	3663.5
52.5°	4250.6	4255.3	4276.4	4353.6	4433.1	4501.0	4297.4	4077.5	3909.1	3836.6	3827.2
55°	4477.6	4524.4	4608.6	4753.6	4982.9	5076.4	4725.5	4332.5	4126.7	4014.4	3991.0
56°	4601.5	4557.1	4702.1	4901.0	5200.4	5322.1	4795.7	4384.0	4157.1	4030.7	4028.4
57.5°	4482.2	4531.4	4632.0	4945.4	5312.7	5471.8	4821.5	4360.6	4035.4	3906.8	3918.5
60°	3539.5	3586.3	3721.9	4072.9	4648.3	4772.3	4079.9	3595.6	3305.5	3120.7	3123.1
62.5°	2002.5	2037.6	2142.9	2468.0	2826.0	2945.3	2542.9	2220.1	2018.9	1915.9	1883.2
65°	736.9	722.9	739.2	905.3	1125.2	1225.8	1057.4	893.6	788.4	750.9	736.9
67.5°	276.0	255.0	238.6	255.0	320.5	339.2	311.1	259.7	243.3	250.3	255.0
70°	170.8	161.4	128.7	121.6	119.3	117.0	124.0	131.0	149.7	175.5	180.1
72.5°	119.3	112.3	91.2	86.6	81.9	79.5	91.2	100.6	117.0	135.7	138.0
75°	46.8	49.1	46.8	51.5	53.8	56.1	65.5	72.5	79.5	79.5	77.2
77.5°	9.4	9.4	14.0	18.7	23.4	30.4	44.4	51.5	53.8	51.5	44.4
80°	0.0	0.0	4.7	9.4	18.7	25.7	39.8	44.4	49.1	44.4	35.1
82.5°	0.0	0.0	4.7	11.7	18.7	23.4	37.4	46.8	53.8	49.1	37.4
85°	0.0	0.0	4.7	9.4	14.0	16.4	16.4	11.7	11.7	7.0	4.7
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)