

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: P527779

Luminaire Tested: **GALN-SA2D-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2D-750-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

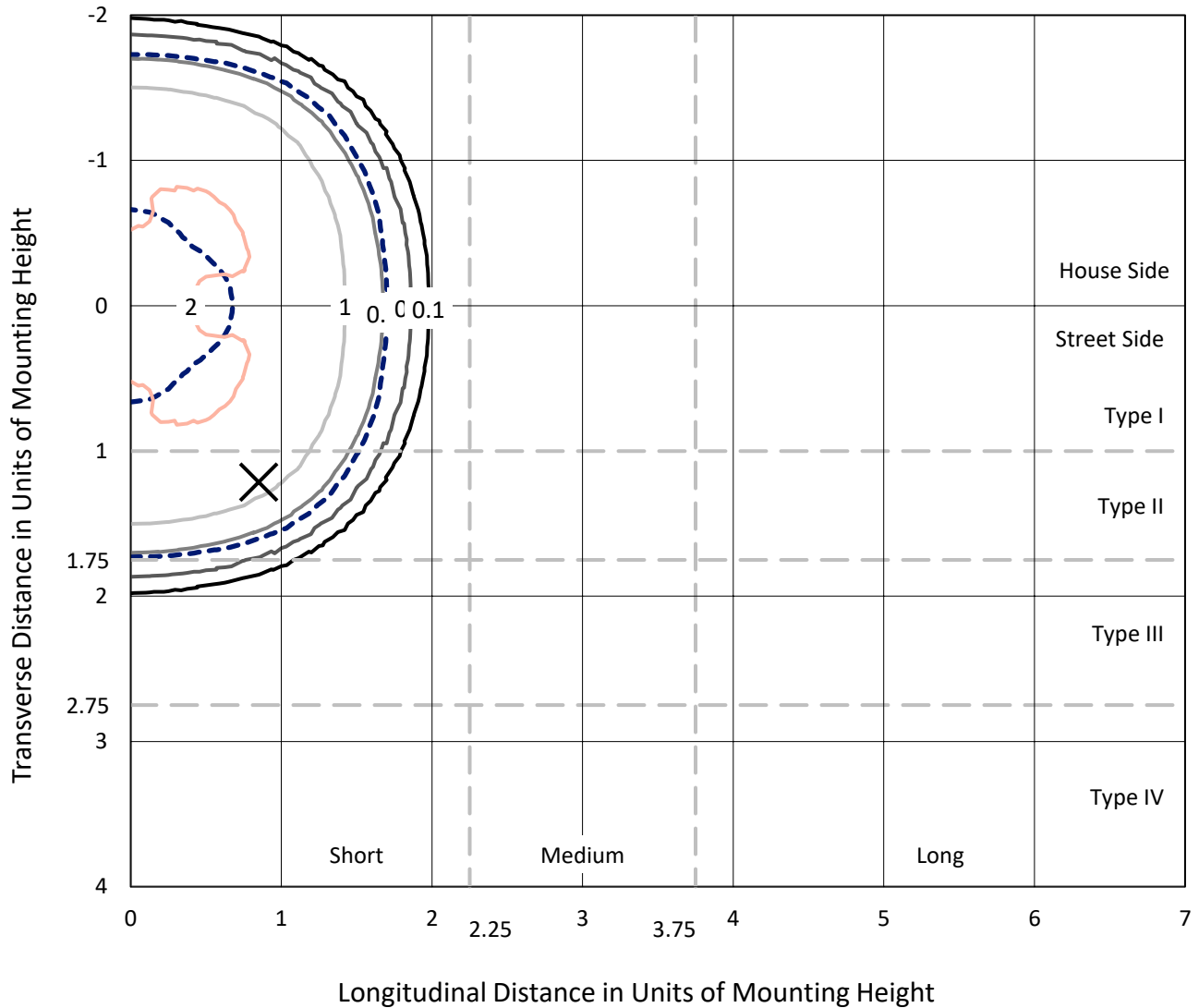
Lumens per Lamp: N/A  
Luminaire Lumens: 9336 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

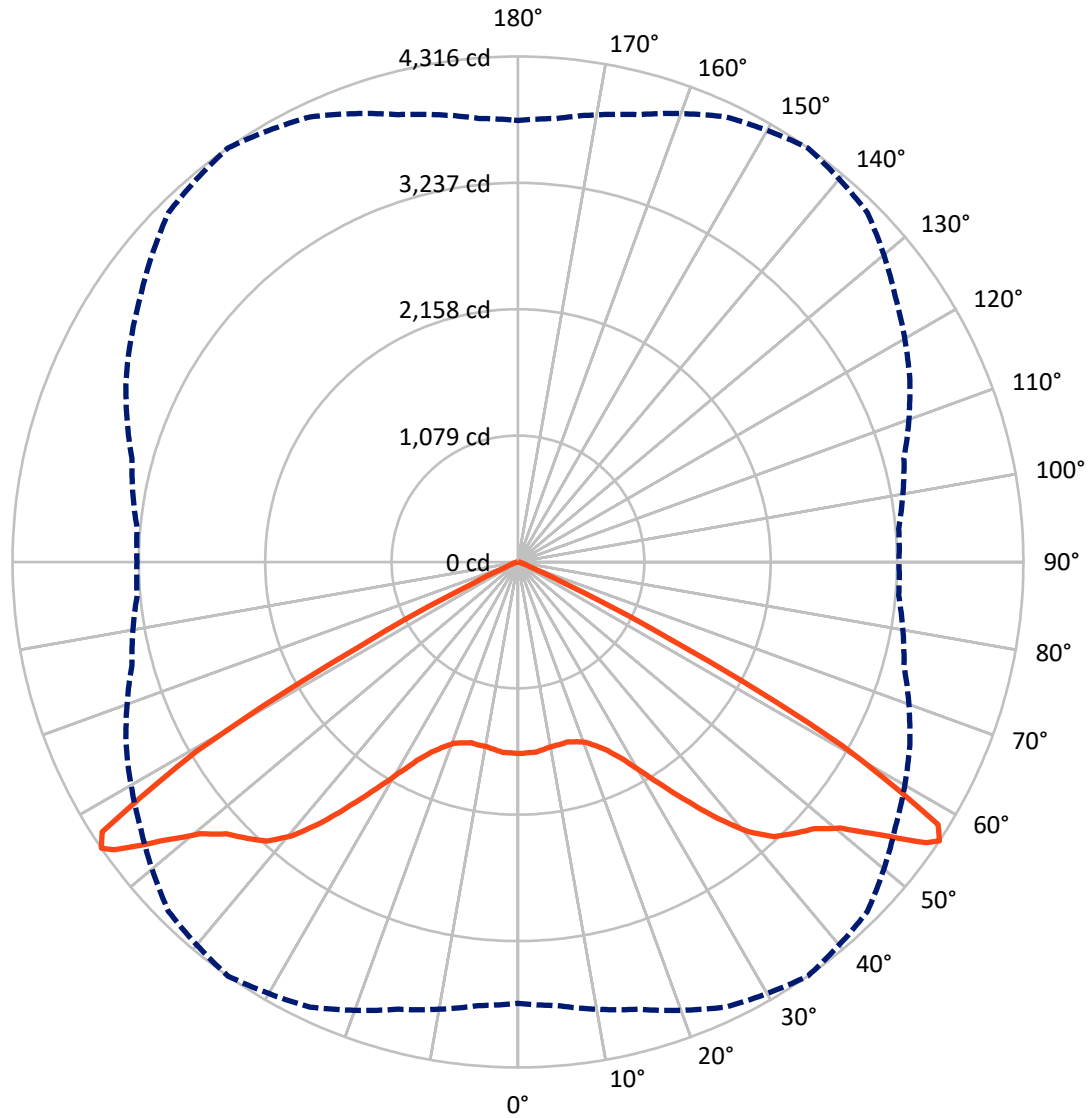
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4668.0	0.0	4668.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4668.0	0.0	4668.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9336.0	0.0	9336.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.7	1.6
10°-20°	448.9	4.8
20°-30°	812.8	8.7
30°-40°	1507.3	16.1
40°-50°	2474.1	26.5
50°-60°	3187.4	34.1
60°-70°	702.5	7.5
70°-80°	40.8	0.4
80°-90°	8.6	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°	9336.0	100.0
0°-180°	9336.0	100.0

**Coefficient of Utilization**

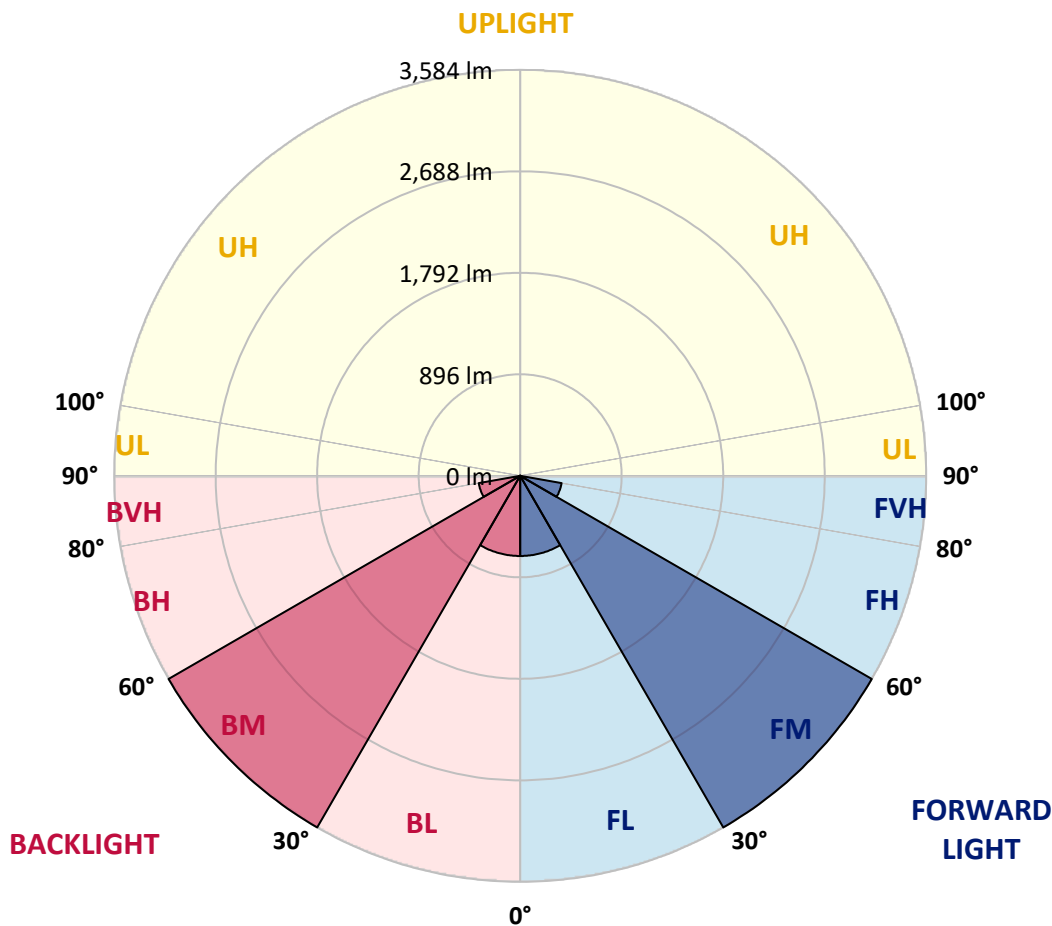


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.7	7.6			
FM (30°-60°)	3584.4	38.4			
FH (60°-80°)	371.6	4.0			G0/660
FVH (80°-90°)	4.3	0.0			G0/10
BL (0°-30°)	707.7	7.6	B2/1000		
BM (30°-60°)	3584.4	38.4	B3/5000		
BH (60°-80°)	371.6	4.0	B1/500		G0/660
BVH (80°-90°)	4.3	0.0			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°	1635.9	1635.9	1635.9	1635.9	1635.9	1635.9	1635.9	1635.9	1635.9	1635.9	1635.9
2.5°	1639.3	1639.3	1640.9	1642.6	1630.8	1625.7	1627.4	1624.0	1622.3	1627.4	1627.4
5°	1634.2	1634.2	1629.1	1630.8	1630.8	1615.6	1615.6	1619.0	1619.0	1608.8	1605.4
7.5°	1620.6	1617.3	1610.5	1619.0	1613.9	1613.9	1602.0	1593.6	1590.2	1597.0	1590.2
10°	1591.9	1593.6	1600.3	1603.7	1600.3	1610.5	1590.2	1578.4	1566.5	1561.4	1561.4
12.5°	1578.4	1588.5	1578.4	1586.8	1598.7	1590.2	1578.4	1569.9	1553.0	1546.2	1546.2
15°	1576.7	1583.4	1586.8	1598.7	1593.6	1597.0	1573.3	1563.1	1537.7	1525.9	1520.8
17.5°	1575.0	1583.4	1588.5	1610.5	1613.9	1615.6	1597.0	1566.5	1544.5	1532.7	1520.8
20°	1593.6	1597.0	1607.1	1629.1	1642.6	1666.3	1632.5	1600.3	1553.0	1539.4	1534.4
22.5°	1617.3	1634.2	1644.3	1668.0	1703.5	1723.8	1679.9	1639.3	1590.2	1573.3	1553.0
25°	1693.4	1690.0	1706.9	1756.0	1784.7	1800.0	1764.4	1705.2	1640.9	1620.6	1624.0
27.5°	1788.1	1791.5	1806.7	1860.9	1903.2	1926.8	1884.5	1806.7	1744.1	1710.3	1706.9
30°	1911.6	1908.2	1925.1	1997.9	2074.0	2109.5	2035.1	1943.8	1882.9	1838.9	1849.0
32.5°	2041.9	2043.6	2090.9	2156.9	2280.4	2349.8	2229.7	2118.0	2026.6	1996.2	1981.0
35°	2234.7	2243.2	2280.4	2381.9	2518.9	2608.6	2476.6	2343.0	2238.1	2182.3	2189.1
37.5°	2473.3	2464.8	2527.4	2637.4	2781.1	2847.1	2735.5	2583.2	2476.6	2439.4	2463.1
40°	2727.0	2735.5	2767.6	2867.4	3028.1	3072.1	2906.3	2823.4	2730.4	2711.8	2740.5
42.5°	2980.8	2975.7	2999.4	3089.0	3205.8	3175.3	3077.2	3028.1	2962.2	2924.9	2963.8
45°	3166.9	3158.4	3202.4	3263.3	3305.6	3248.1	3204.1	3187.2	3153.3	3112.7	3148.2
47.5°	3347.9	3341.1	3383.4	3400.3	3403.7	3327.6	3336.0	3366.5	3281.9	3197.3	3237.9
50°	3501.8	3490.0	3542.4	3579.6	3571.2	3449.4	3479.8	3449.4	3317.4	3217.6	3202.4
52.5°	3758.9	3764.0	3819.8	3887.5	3867.2	3765.7	3721.7	3583.0	3413.8	3324.2	3271.7
55°	3921.3	3896.0	3992.4	4207.2	4230.9	4126.0	3931.5	3726.8	3473.0	3363.1	3349.6
56°	3769.1	3801.2	3953.5	4193.7	4315.5	4219.1	3936.6	3691.3	3412.1	3263.3	3253.1
57.5°	3381.7	3364.8	3571.2	3899.4	4230.9	4190.3	3797.9	3437.5	3112.7	2945.2	2924.9
60°	2104.5	2153.5	2334.5	2740.5	3183.8	3204.1	2815.0	2505.4	2126.5	1977.6	2013.1
62.5°	823.9	781.6	894.9	1197.7	1502.2	1569.9	1422.7	1182.5	971.0	823.9	813.7
65°	191.2	186.1	209.8	289.3	404.3	468.6	444.9	319.7	235.1	223.3	206.4
67.5°	108.3	108.3	103.2	103.2	113.3	120.1	115.0	113.3	118.4	123.5	121.8
70°	76.1	74.4	71.1	72.7	69.4	69.4	74.4	82.9	89.7	89.7	91.4
72.5°	45.7	45.7	45.7	50.8	50.8	50.8	55.8	62.6	64.3	62.6	60.9
75°	20.3	20.3	23.7	28.8	32.1	33.8	38.9	42.3	45.7	42.3	38.9
77.5°	5.1	5.1	8.5	11.8	15.2	18.6	25.4	30.5	32.1	30.5	25.4
80°	1.7	1.7	3.4	8.5	15.2	18.6	25.4	27.1	28.8	25.4	20.3
82.5°	1.7	1.7	3.4	8.5	11.8	15.2	20.3	23.7	25.4	22.0	20.3
85°	0.0	1.7	3.4	6.8	10.2	13.5	13.5	10.2	8.5	5.1	6.8
87.5°	0.0	0.0	1.7	1.7	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)