

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: P528459

Luminaire Tested: **GALN-SA3C-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528459  
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-SA3C-740-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 1050mA 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: 10948 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

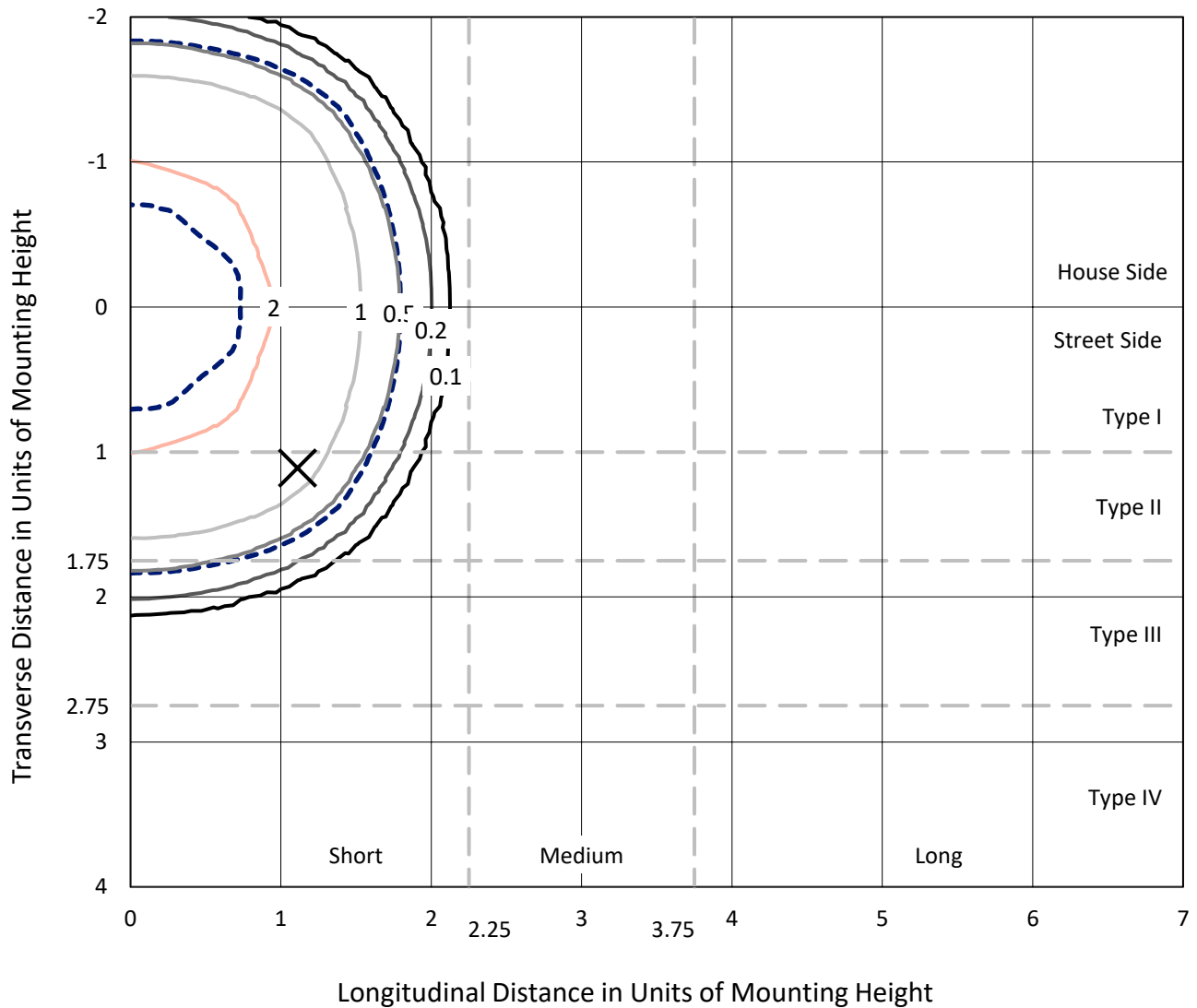
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

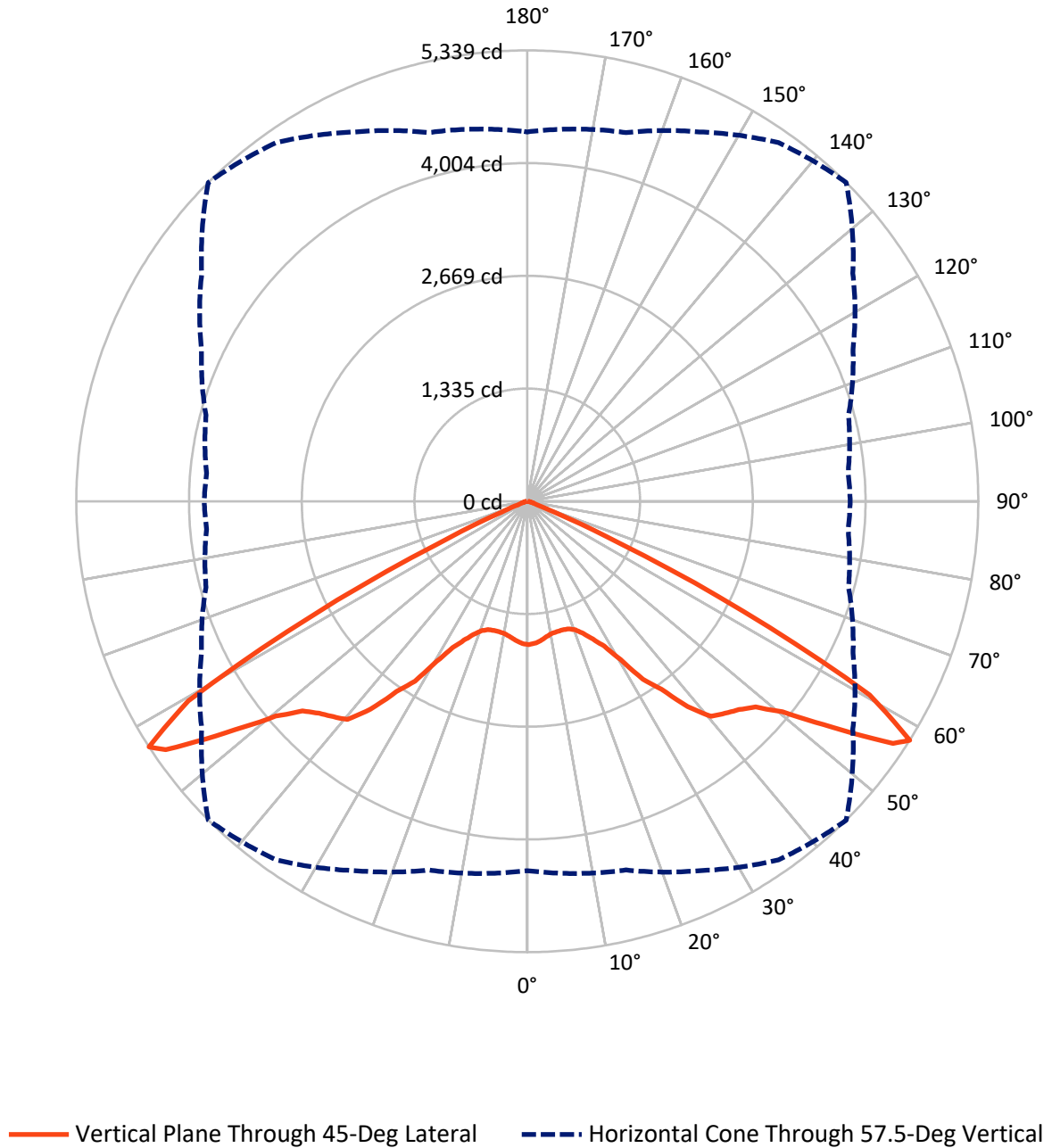
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	5474.0	0.0	5474.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5474.0	0.0	5474.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10948.0	0.0	10948.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.0	1.4
10°-20°	451.1	4.1
20°-30°	832.6	7.6
30°-40°	1637.4	15.0
40°-50°	2666.9	24.4
50°-60°	3803.3	34.7
60°-70°	1316.8	12.0
70°-80°	70.6	0.6
80°-90°	13.3	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°	10948.0	100.0
0°-180°	10948.0	100.0

**Coefficient of Utilization**



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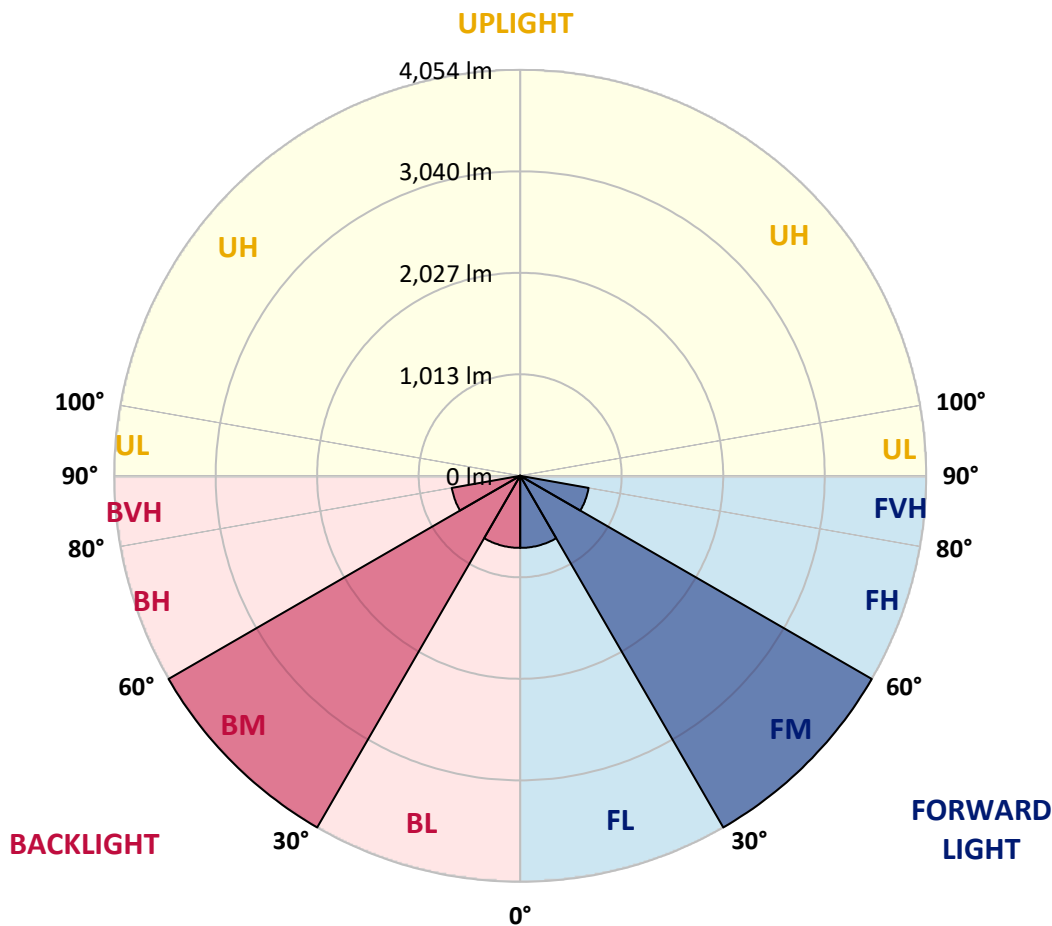
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.9	6.6			
FM (30°-60°)	4053.8	37.0			
FH (60°-80°)	693.7	6.3			G1/1800
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	719.9	6.6	B2/1000		
BM (30°-60°)	4053.8	37.0	B3/5000		
BH (60°-80°)	693.7	6.3	B2/1000		G1/1800
BVH (80°-90°)	6.6	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°	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1
2.5°	1693.6	1702.7	1691.3	1686.7	1684.5	1684.5	1677.6	1677.6	1675.3	1677.6	1668.5
5°	1666.2	1675.3	1675.3	1673.0	1659.3	1657.1	1650.2	1645.7	1647.9	1638.8	1645.7
7.5°	1638.8	1645.7	1636.5	1634.2	1629.7	1620.5	1618.3	1597.7	1600.0	1600.0	1604.6
10°	1634.2	1632.0	1618.3	1606.9	1593.2	1590.9	1584.0	1579.5	1579.5	1577.2	1584.0
12.5°	1634.2	1622.8	1620.5	1595.4	1572.6	1581.7	1563.5	1552.1	1568.0	1572.6	1581.7
15°	1632.0	1643.4	1604.6	1593.2	1577.2	1579.5	1563.5	1552.1	1561.2	1565.8	1572.6
17.5°	1645.7	1638.8	1627.4	1604.6	1597.7	1588.6	1568.0	1558.9	1558.9	1570.3	1572.6
20°	1682.2	1663.9	1641.1	1629.7	1636.5	1625.1	1600.0	1565.8	1574.9	1584.0	1590.9
22.5°	1716.4	1702.7	1686.7	1679.9	1718.7	1700.4	1657.1	1618.3	1604.6	1620.5	1632.0
25°	1782.6	1782.6	1752.9	1762.1	1805.4	1807.7	1757.5	1689.0	1679.9	1686.7	1691.3
27.5°	1917.3	1924.1	1899.0	1908.1	1926.4	1942.4	1899.0	1841.9	1821.4	1819.1	1826.0
30°	2063.3	2077.0	2074.8	2113.6	2166.1	2175.2	2111.3	2017.7	1956.1	1944.7	1953.8
32.5°	2255.1	2261.9	2257.4	2303.0	2444.5	2510.7	2344.1	2211.7	2129.5	2150.1	2129.5
35°	2615.7	2608.9	2558.6	2567.8	2684.2	2732.1	2572.3	2487.9	2449.1	2490.2	2481.0
37.5°	2926.1	2901.0	2859.9	2919.3	3040.2	3083.6	2917.0	2768.6	2697.9	2766.3	2796.0
40°	3188.6	3124.7	3067.6	3127.0	3289.0	3348.4	3104.1	2983.2	2955.8	3006.0	3069.9
42.5°	3410.0	3368.9	3293.6	3298.2	3405.4	3432.8	3236.5	3165.8	3138.4	3218.3	3250.2
45°	3567.5	3528.7	3457.9	3453.4	3535.5	3517.3	3341.5	3293.6	3309.6	3362.1	3378.0
47.5°	3647.4	3667.9	3626.8	3638.2	3681.6	3638.2	3499.0	3499.0	3462.5	3494.4	3478.5
50°	3877.9	3814.0	3866.5	3866.5	3912.1	3916.7	3777.5	3727.3	3629.1	3574.3	3574.3
52.5°	4147.2	4151.8	4172.3	4247.7	4325.3	4391.5	4192.9	3978.3	3814.0	3743.2	3734.1
55°	4368.6	4414.3	4496.4	4638.0	4861.6	4952.9	4610.6	4227.1	4026.3	3916.7	3893.9
56°	4489.6	4446.2	4587.7	4781.8	5073.9	5192.6	4679.0	4277.3	4055.9	3932.7	3930.4
57.5°	4373.2	4421.1	4519.3	4825.1	5183.5	5338.7	4704.1	4254.5	3937.2	3811.7	3823.1
60°	3453.4	3499.0	3631.4	3973.8	4535.2	4656.2	3980.6	3508.1	3225.1	3044.8	3047.1
62.5°	1953.8	1988.0	2090.7	2408.0	2757.2	2873.6	2481.0	2166.1	1969.8	1869.3	1837.4
65°	719.0	705.3	721.3	883.3	1097.9	1196.0	1031.7	871.9	769.2	732.7	719.0
67.5°	269.3	248.8	232.8	248.8	312.7	331.0	303.6	253.4	237.4	244.2	248.8
70°	166.6	157.5	125.5	118.7	116.4	114.1	121.0	127.8	146.1	171.2	175.7
72.5°	116.4	109.6	89.0	84.5	79.9	77.6	89.0	98.1	114.1	132.4	134.7
75°	45.6	47.9	45.6	50.2	52.5	54.8	63.9	70.8	77.6	77.6	75.3
77.5°	9.1	9.1	13.7	18.3	22.8	29.7	43.4	50.2	52.5	50.2	43.4
80°	0.0	0.0	4.6	9.1	18.3	25.1	38.8	43.4	47.9	43.4	34.2
82.5°	0.0	0.0	4.6	11.4	18.3	22.8	36.5	45.6	52.5	47.9	36.5
85°	0.0	0.0	4.6	9.1	13.7	16.0	16.0	11.4	11.4	6.8	4.6
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)