

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: P531501

Luminaire Tested: **GALN-SA6D-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531501  
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-SA6D-740-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 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: 23928 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

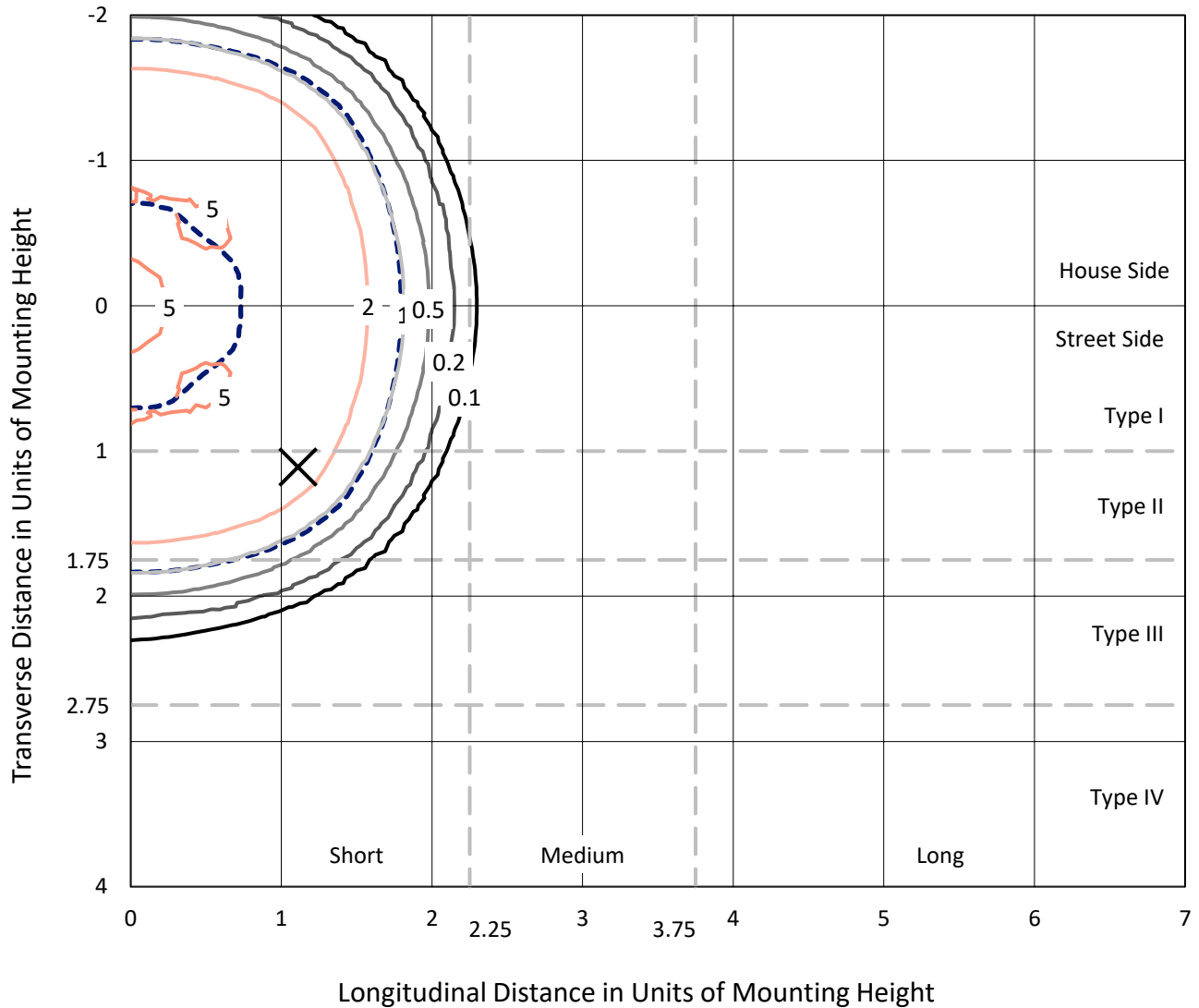
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

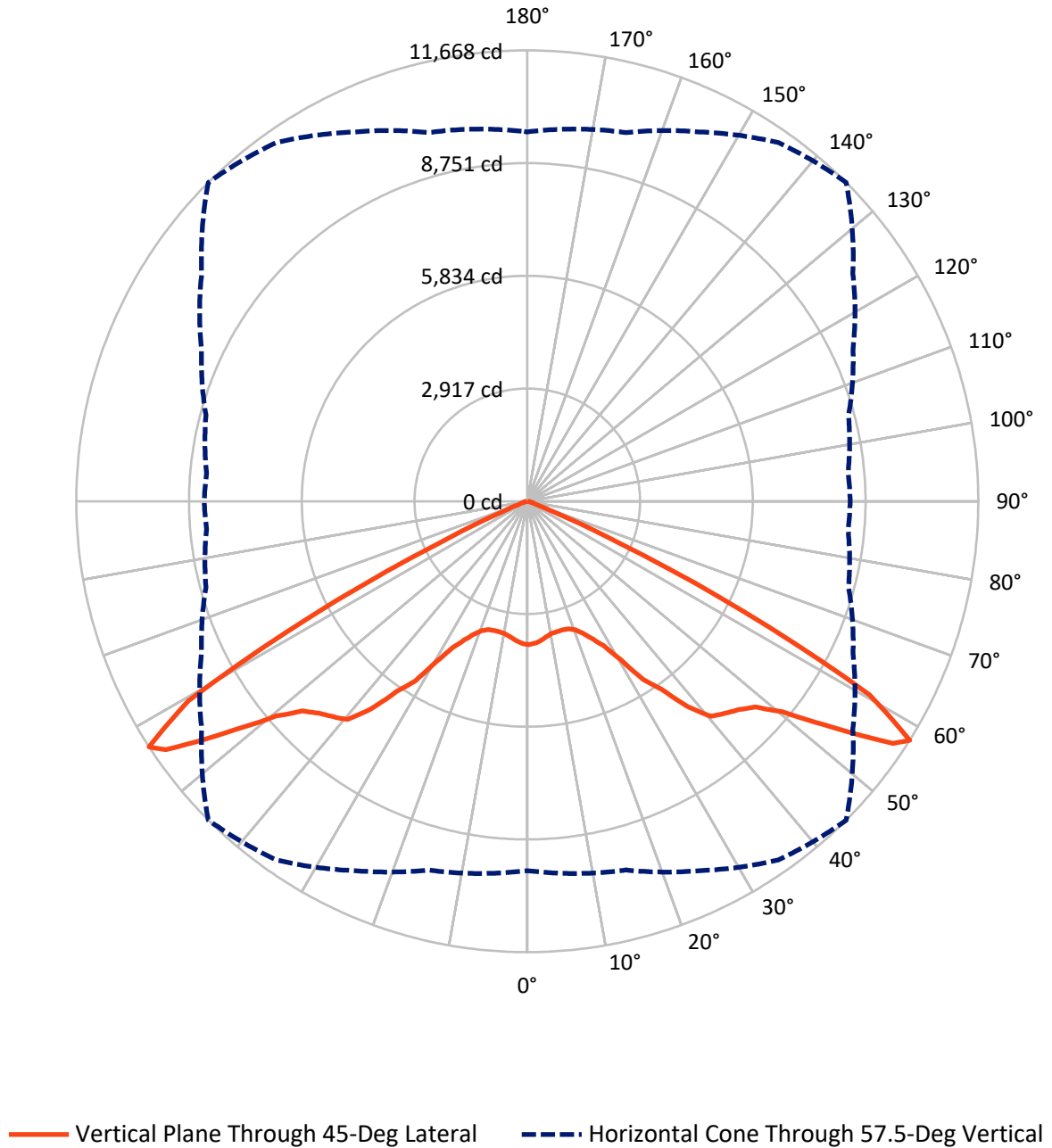
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	11964.0	0.0	11964.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11964.0	0.0	11964.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23928.0	0.0	23928.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.1	1.4
10°-20°	985.8	4.1
20°-30°	1819.7	7.6
30°-40°	3578.7	15.0
40°-50°	5828.8	24.4
50°-60°	8312.5	34.7
60°-70°	2878.0	12.0
70°-80°	154.4	0.6
80°-90°	29.0	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°	23928.0	100.0
0°-180°	23928.0	100.0

**Coefficient of Utilization**

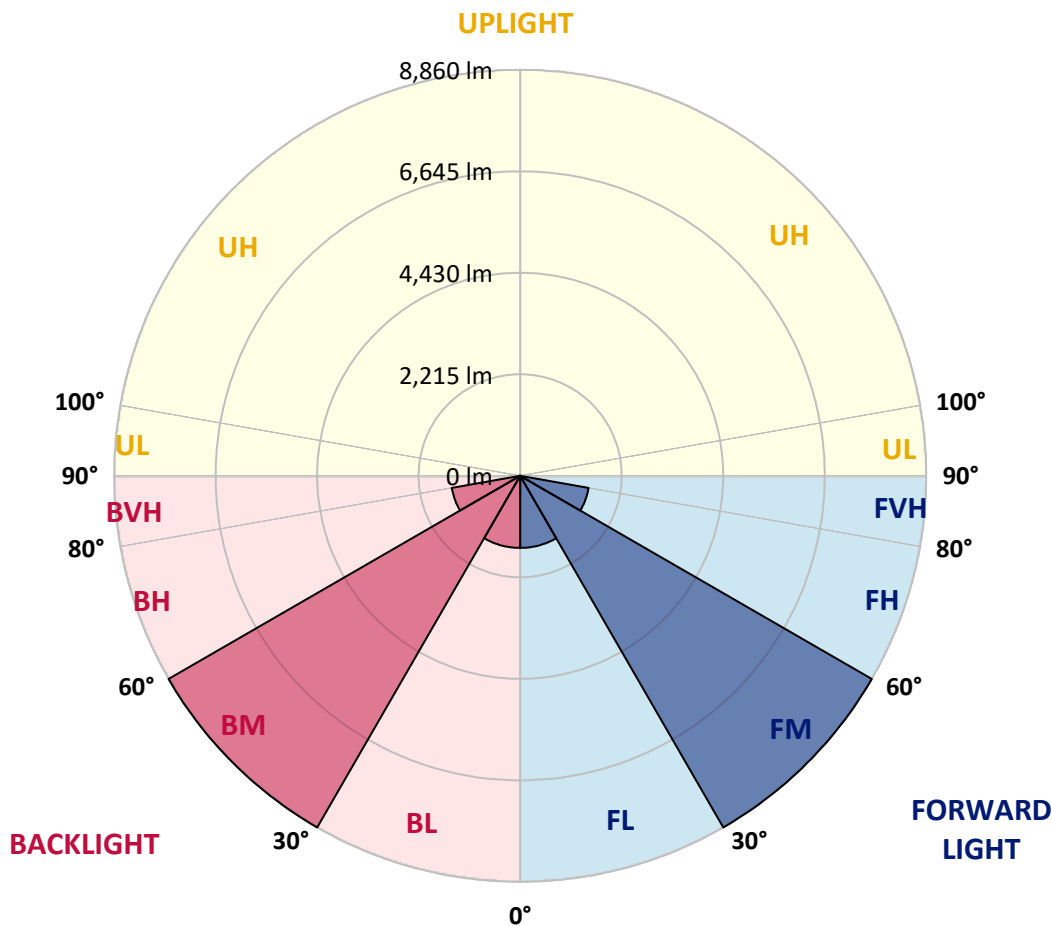


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1573.3	6.6			
FM (30°-60°)	8860.0	37.0			
FH (60°-80°)	1516.2	6.3			G1/1800
FVH (80°-90°)	14.5	0.1			G1/100
BL (0°-30°)	1573.3	6.6	B3/2500		
BM (30°-60°)	8860.0	37.0	B5		
BH (60°-80°)	1516.2	6.3	B3/2500		G1/1800
BVH (80°-90°)	14.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3711.5	3711.5	3711.5	3711.5	3711.5	3711.5	3711.5	3711.5	3711.5	3711.5	3711.5
2.5°	3701.5	3721.5	3696.5	3686.5	3681.6	3681.6	3666.6	3666.6	3661.6	3666.6	3646.6
5°	3641.6	3661.6	3661.6	3656.6	3626.7	3621.7	3606.7	3596.7	3601.7	3581.8	3596.7
7.5°	3581.8	3596.7	3576.8	3571.8	3561.8	3541.9	3536.9	3492.0	3497.0	3497.0	3507.0
10°	3571.8	3566.8	3536.9	3511.9	3482.0	3477.0	3462.1	3452.1	3452.1	3447.1	3462.1
12.5°	3571.8	3546.9	3541.9	3487.0	3437.1	3457.1	3417.2	3392.2	3427.1	3437.1	3457.1
15°	3566.8	3591.8	3507.0	3482.0	3447.1	3452.1	3417.2	3392.2	3412.2	3422.1	3437.1
17.5°	3596.7	3581.8	3556.8	3507.0	3492.0	3472.0	3427.1	3407.2	3407.2	3432.1	3437.1
20°	3676.6	3636.7	3586.8	3561.8	3576.8	3551.8	3497.0	3422.1	3442.1	3462.1	3477.0
22.5°	3751.4	3721.5	3686.5	3671.6	3756.4	3716.5	3621.7	3536.9	3507.0	3541.9	3566.8
25°	3896.1	3896.1	3831.2	3851.2	3945.9	3950.9	3841.2	3691.5	3671.6	3686.5	3696.5
27.5°	4190.4	4205.4	4150.5	4170.4	4210.3	4245.3	4150.5	4025.8	3980.9	3975.9	3990.8
30°	4509.7	4539.6	4534.6	4619.4	4734.1	4754.1	4614.4	4409.9	4275.2	4250.2	4270.2
32.5°	4928.7	4943.7	4933.7	5033.4	5342.7	5487.4	5123.2	4833.9	4654.3	4699.2	4654.3
35°	5716.9	5701.9	5592.2	5612.1	5866.5	5971.3	5622.1	5437.5	5352.7	5442.5	5422.6
37.5°	6395.3	6340.5	6250.7	6380.4	6644.8	6739.5	6375.4	6051.1	5896.5	6046.1	6111.0
40°	6969.0	6829.3	6704.6	6834.3	7188.5	7318.2	6784.4	6520.0	6460.2	6569.9	6709.6
42.5°	7452.9	7363.1	7198.5	7208.5	7442.9	7502.8	7073.8	6919.1	6859.3	7033.9	7103.7
45°	7797.1	7712.3	7557.7	7547.7	7727.3	7687.4	7303.2	7198.5	7233.4	7348.1	7383.1
47.5°	7971.7	8016.6	7926.8	7951.8	8046.5	7951.8	7647.5	7647.5	7567.6	7637.5	7602.6
50°	8475.6	8335.9	8450.6	8450.6	8550.4	8560.4	8256.1	8146.3	7931.8	7812.1	7812.1
52.5°	9064.2	9074.2	9119.1	9283.7	9453.3	9598.0	9164.0	8695.0	8335.9	8181.2	8161.3
55°	9548.1	9647.9	9827.4	10136.7	10625.6	10825.2	10076.9	9238.8	8799.8	8560.4	8510.5
56°	9812.5	9717.7	10027.0	10451.0	11089.6	11349.0	10226.5	9348.5	8864.7	8595.3	8590.3
57.5°	9558.1	9662.8	9877.3	10545.8	11329.0	11668.2	10281.4	9298.7	8605.3	8330.9	8355.8
60°	7547.7	7647.5	7936.8	8685.1	9912.3	10176.6	8700.0	7667.4	7048.8	6654.7	6659.7
62.5°	4270.2	4345.0	4569.5	5262.9	6026.2	6280.6	5422.6	4734.1	4305.1	4085.6	4015.8
65°	1571.4	1541.5	1576.4	1930.6	2399.5	2614.0	2254.8	1905.6	1681.1	1601.3	1571.4
67.5°	588.6	543.8	508.8	543.8	683.4	723.3	663.5	553.7	518.8	533.8	543.8
70°	364.2	344.2	274.4	259.4	254.4	249.4	264.4	279.4	319.3	374.1	384.1
72.5°	254.4	239.5	194.6	184.6	174.6	169.6	194.6	214.5	249.4	289.3	294.3
75°	99.8	104.8	99.8	109.7	114.7	119.7	139.7	154.6	169.6	169.6	164.6
77.5°	20.0	20.0	29.9	39.9	49.9	64.9	94.8	109.7	114.7	109.7	94.8
80°	0.0	0.0	10.0	20.0	39.9	54.9	84.8	94.8	104.8	94.8	74.8
82.5°	0.0	0.0	10.0	24.9	39.9	49.9	79.8	99.8	114.7	104.8	79.8
85°	0.0	0.0	10.0	20.0	29.9	34.9	34.9	24.9	24.9	15.0	10.0
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)