

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: P531502

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
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-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38918 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

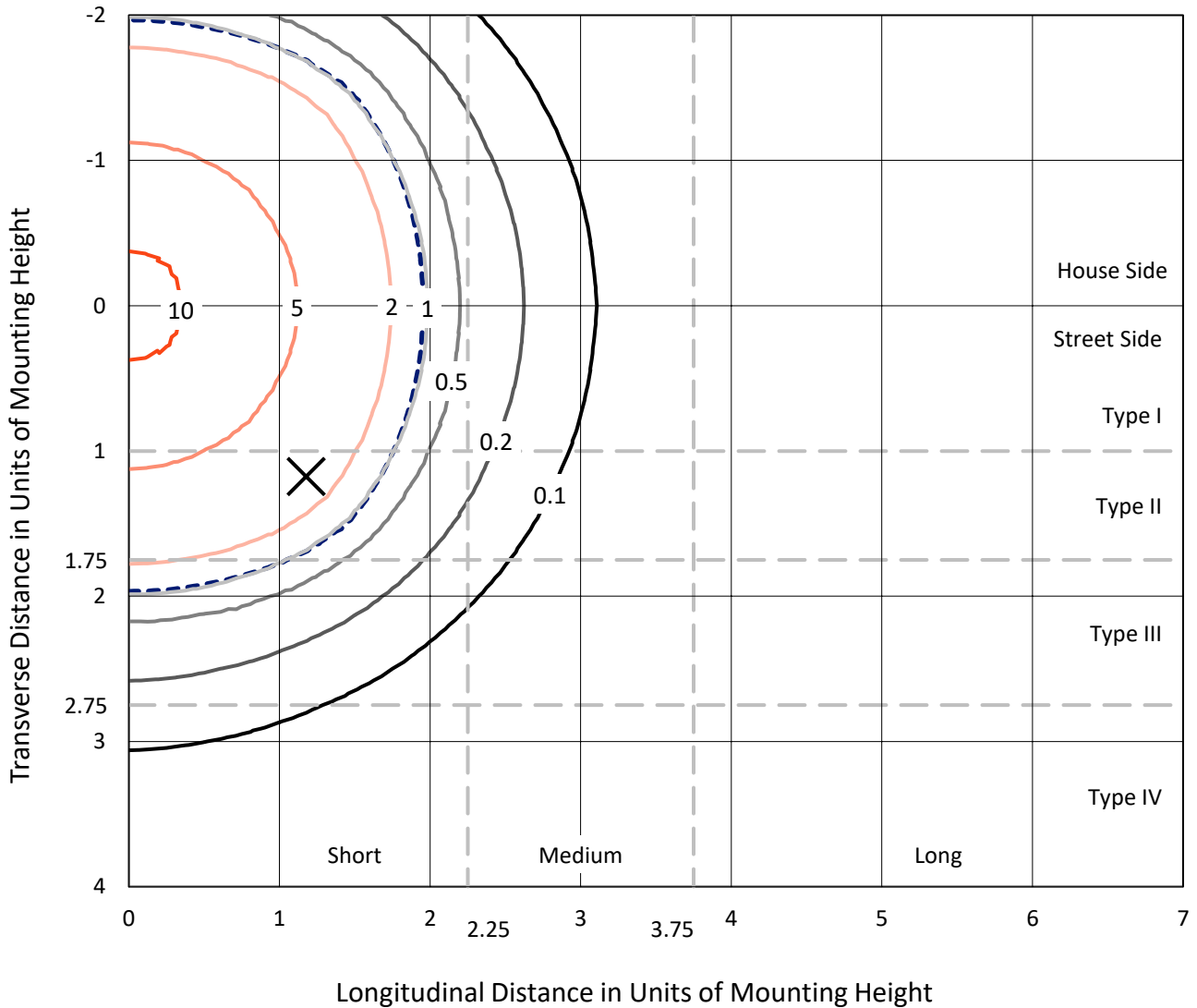
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

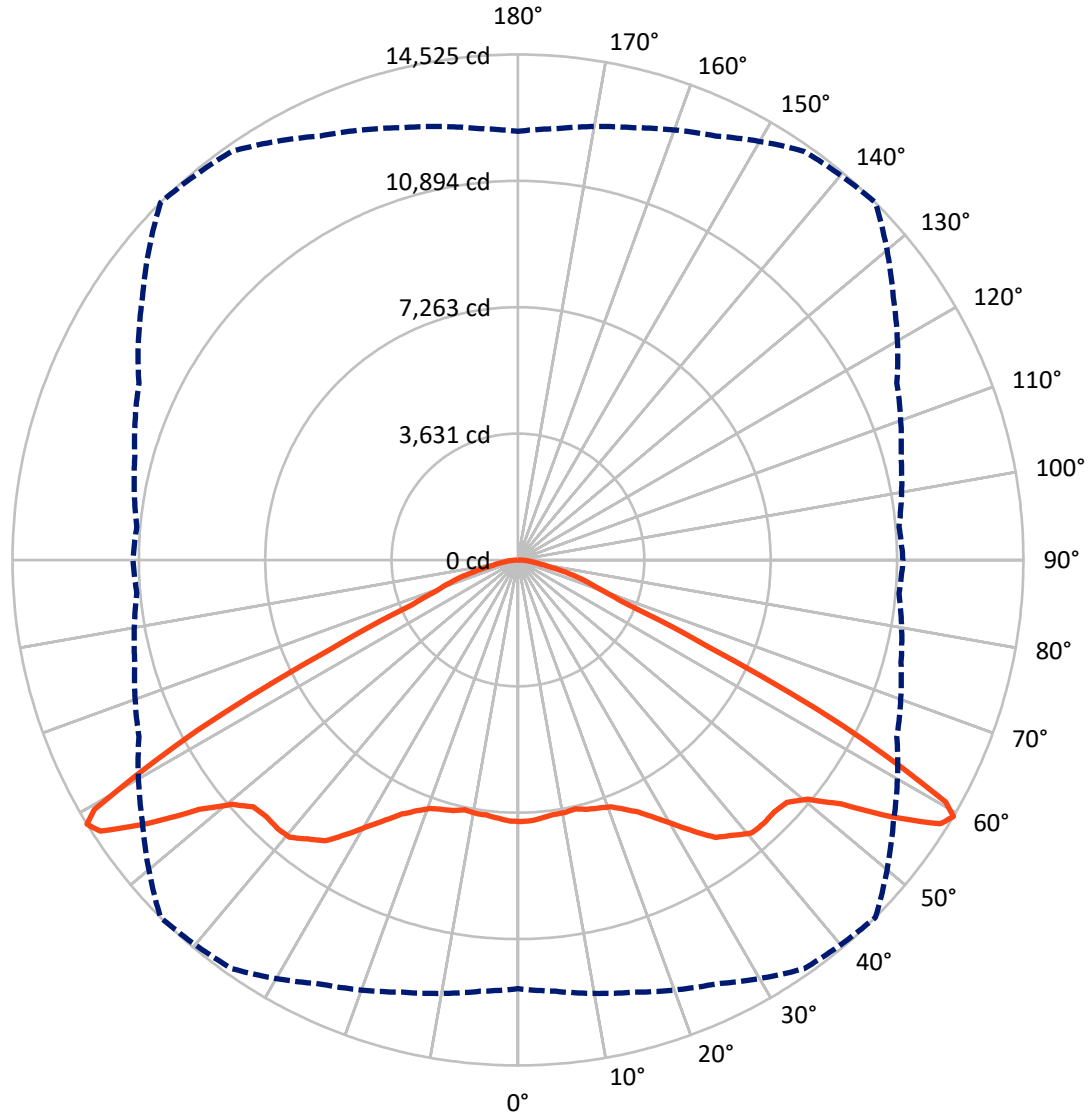
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19459.0	0.0	19459.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19459.0	0.0	19459.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38918.0	0.0	38918.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	708.6	1.8
10°-20°	2107.3	5.4
20°-30°	3679.6	9.5
30°-40°	5876.9	15.1
40°-50°	8005.5	20.6
50°-60°	10825.5	27.8
60°-70°	5936.7	15.3
70°-80°	1518.8	3.9
80°-90°	259.0	0.7
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°	38918.0	100.0
0°-180°	38918.0	100.0



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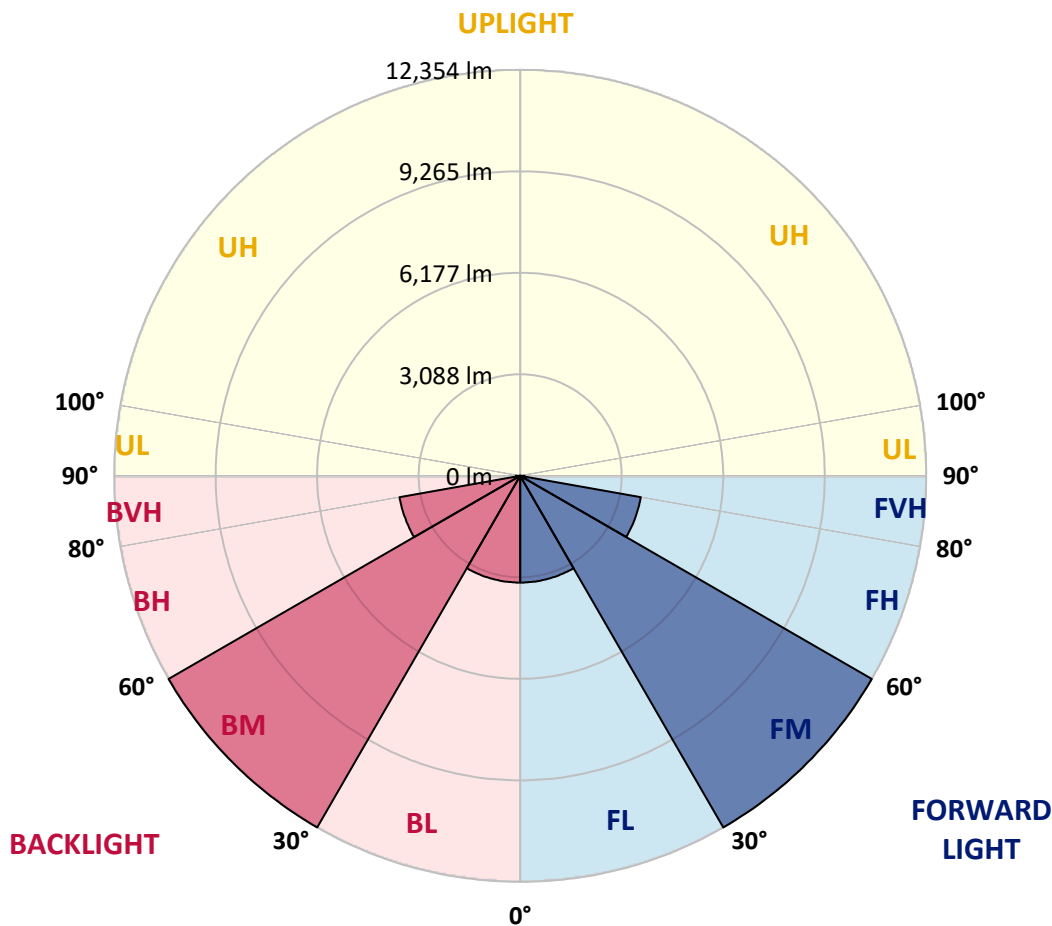
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3247.8	8.3			
FM (30°-60°)	12353.9	31.7			
FH (60°-80°)	3727.8	9.6			G2/5000
FVH (80°-90°)	129.5	0.3			G2/225
BL (0°-30°)	3247.8	8.3	B4/5000		
BM (30°-60°)	12353.9	31.7	B5		
BH (60°-80°)	3727.8	9.6	B4/5000		G2/5000
BVH (80°-90°)	129.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1
2.5°	7472.2	7527.1	7487.2	7522.1	7517.1	7502.1	7477.2	7462.2	7442.3	7472.2	7422.3
5°	7442.3	7487.2	7532.1	7472.2	7472.2	7442.3	7427.3	7397.4	7397.4	7392.4	7387.4
7.5°	7492.2	7447.3	7427.3	7437.3	7447.3	7382.4	7427.3	7367.5	7317.6	7352.5	7392.4
10°	7447.3	7467.2	7392.4	7427.3	7372.4	7382.4	7352.5	7392.4	7337.5	7337.5	7337.5
12.5°	7492.2	7437.3	7462.2	7437.3	7422.3	7337.5	7377.4	7332.5	7327.5	7377.4	7332.5
15°	7581.9	7492.2	7472.2	7422.3	7437.3	7437.3	7397.4	7402.4	7347.5	7377.4	7387.4
17.5°	7552.0	7502.1	7487.2	7427.3	7477.2	7492.2	7417.3	7367.5	7402.4	7397.4	7392.4
20°	7577.0	7596.9	7581.9	7591.9	7611.9	7572.0	7502.1	7432.3	7387.4	7452.3	7447.3
22.5°	7736.6	7716.6	7706.6	7696.7	7731.6	7771.5	7676.7	7567.0	7567.0	7611.9	7631.8
25°	7866.3	7861.3	7856.3	7901.2	8020.9	8020.9	7901.2	7761.5	7726.6	7756.5	7731.6
27.5°	8055.8	8110.7	8090.7	8170.5	8345.1	8385.0	8225.4	8060.8	7966.0	7931.1	7976.0
30°	8489.8	8424.9	8439.9	8524.7	8679.3	8809.0	8564.6	8390.0	8260.3	8255.3	8275.3
32.5°	8779.1	8829.0	8873.9	8953.7	9198.1	9297.9	9003.6	8719.2	8639.4	8594.5	8609.5
35°	9357.7	9312.8	9302.8	9382.7	9627.1	9791.7	9422.6	9173.2	9068.4	9168.2	9168.2
37.5°	9906.4	9781.7	9686.9	9791.7	10016.1	10036.1	9721.8	9587.2	9532.3	9647.0	9642.0
40°	10165.8	10155.8	9936.3	9996.2	10295.5	10325.4	10031.1	9871.5	9861.5	10011.2	10160.8
42.5°	10435.1	10340.4	10120.9	10160.8	10345.4	10355.3	10076.0	10031.1	10140.8	10285.5	10295.5
45°	10480.0	10400.2	10260.6	10160.8	10295.5	10325.4	10160.8	10190.7	10200.7	10375.3	10375.3
47.5°	10569.8	10559.8	10480.0	10405.2	10430.2	10405.2	10300.5	10345.4	10495.0	10579.8	10539.9
50°	10819.2	10714.5	10794.3	10729.4	10734.4	10804.3	10709.5	10754.4	10724.5	10649.6	10599.8
52.5°	11367.9	11318.0	11387.9	11432.8	11482.7	11642.3	11532.5	11293.1	11068.6	10869.1	10864.1
55°	12171.0	12205.9	12340.6	12570.1	12764.6	13019.0	12490.3	11916.6	11557.5	11243.2	11263.2
57.5°	12929.2	12904.3	13088.8	13612.6	14181.2	14310.9	13273.4	12455.3	11871.7	11672.2	11587.4
59°	12320.7	12440.4	12859.4	13443.0	14335.9	14525.4	13168.6	12016.4	11397.9	10993.8	11063.6
60°	11362.9	11407.8	11781.9	12595.0	13802.1	14126.4	12465.3	11338.0	10515.0	10280.5	10385.3
62.5°	8030.9	7996.0	8265.3	8928.7	10011.2	10450.1	9267.9	8474.8	7956.1	7696.7	7756.5
65°	4269.8	4429.5	4539.2	4953.2	5526.8	5990.7	5501.9	5157.7	4868.4	4653.9	4648.9
67.5°	2883.1	2863.2	2888.1	2982.9	3177.4	3307.1	3297.1	3122.6	3097.6	3057.7	3102.6
70°	2429.2	2419.2	2374.3	2374.3	2414.2	2444.2	2479.1	2499.0	2539.0	2588.8	2583.8
72.5°	1970.3	1945.4	1915.4	1900.5	1950.4	1965.3	2010.2	2030.2	2065.1	2060.1	2105.0
75°	1301.9	1301.9	1336.8	1376.7	1391.7	1421.6	1426.6	1486.5	1486.5	1496.4	1456.5
77.5°	728.3	708.3	733.3	773.2	808.1	862.9	917.8	962.7	987.6	977.7	977.7
80°	424.0	424.0	448.9	493.8	538.7	588.6	628.5	663.4	688.4	678.4	658.4
82.5°	264.4	264.4	289.3	334.2	369.1	399.0	453.9	498.8	528.7	518.8	493.8
85°	134.7	134.7	164.6	194.5	239.4	259.4	254.4	234.4	229.5	204.5	204.5
87.5°	34.9	34.9	49.9	54.9	44.9	49.9	49.9	49.9	49.9	49.9	54.9
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)