

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: P455382

Luminaire Tested: **GALN-SA6C-750-U-5NQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455382  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43508 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

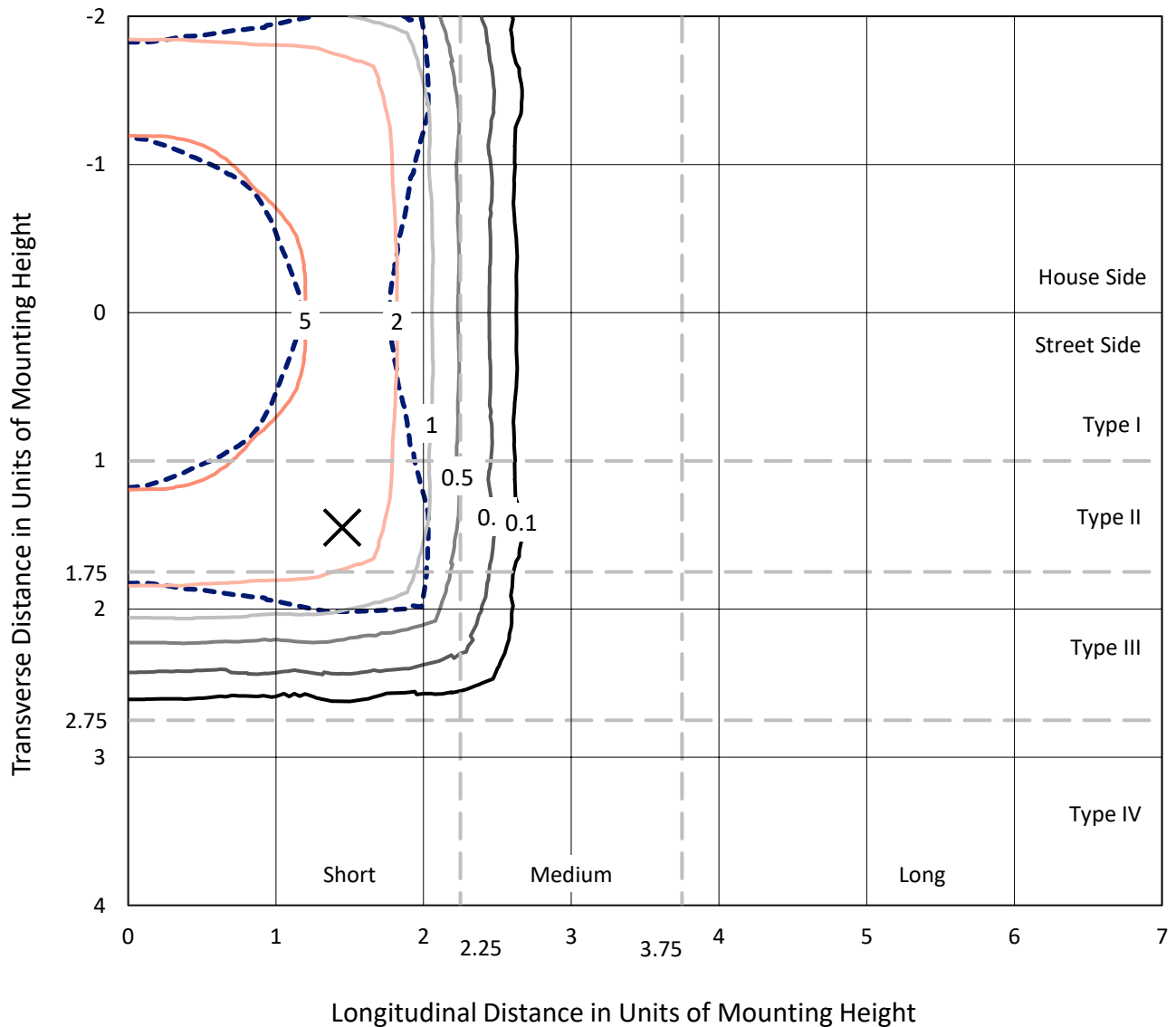
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

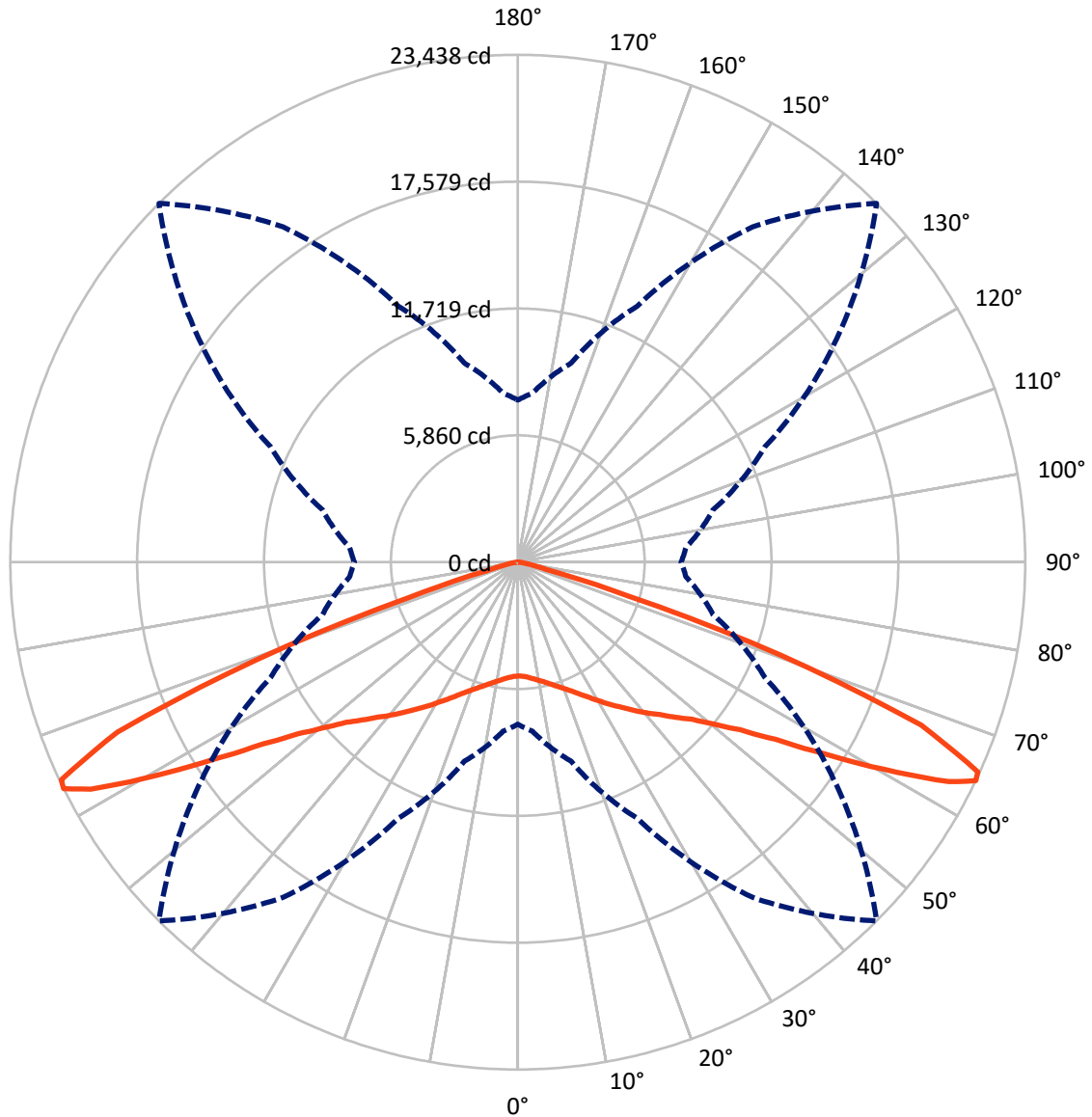
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21754.0	0.0	21754.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21754.0	0.0	21754.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43508.0	0.0	43508.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	516.6	1.2
10°-20°	1666.5	3.8
20°-30°	3149.1	7.2
30°-40°	5215.3	12.0
40°-50°	8142.0	18.7
50°-60°	12587.3	28.9
60°-70°	10853.8	24.9
70°-80°	1230.0	2.8
80°-90°	147.4	0.3
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°	43508.0	100.0
0°-180°	43508.0	100.0



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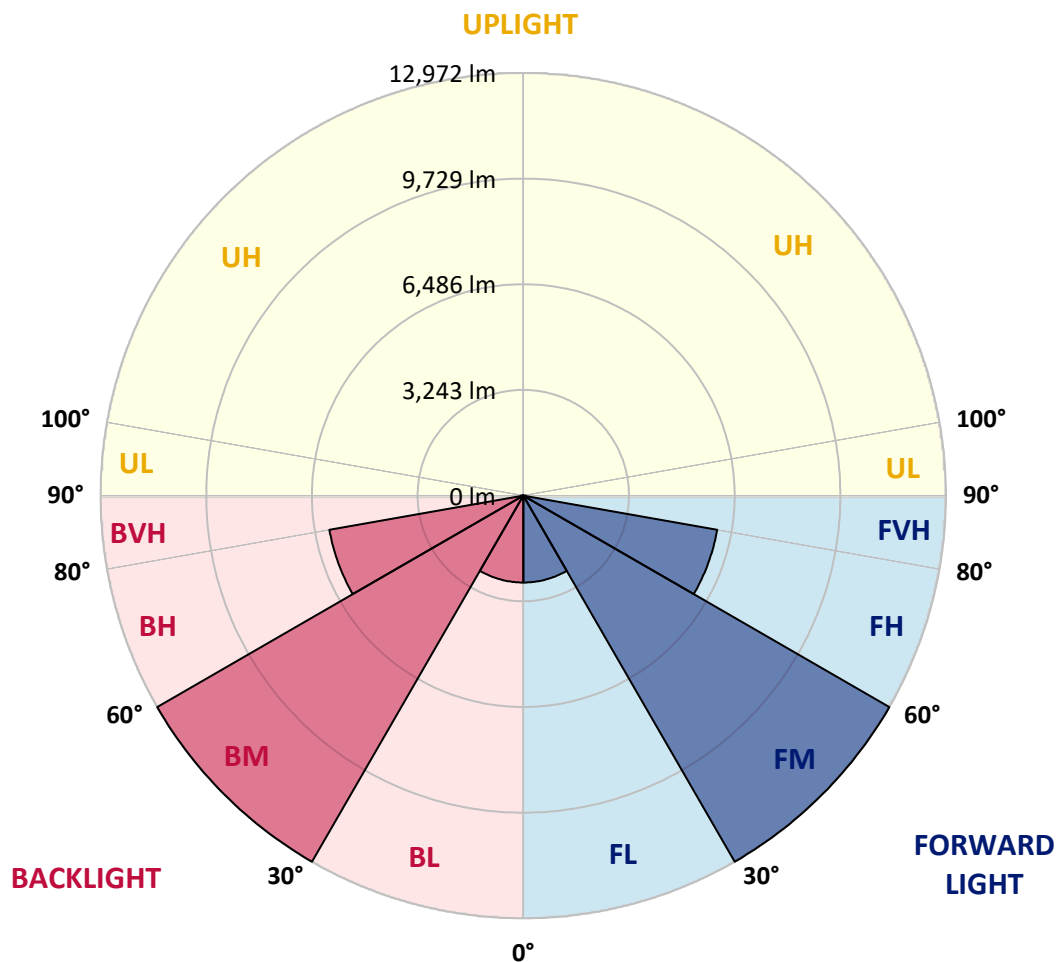
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2666.1	6.1			
FM (30°-60°)	12972.3	29.8			
FH (60°-80°)	6041.9	13.9			G3/7500
FVH (80°-90°)	73.7	0.2			G1/100
BL (0°-30°)	2666.1	6.1	B4/5000		
BM (30°-60°)	12972.3	29.8	B5		
BH (60°-80°)	6041.9	13.9	B5		G3/7500
BVH (80°-90°)	73.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5258.7	5258.7	5258.7	5258.7	5258.7	5258.7	5258.7	5258.7	5258.7	5258.7	5258.7
2.5°	5279.4	5290.9	5281.7	5279.4	5277.1	5277.1	5277.1	5279.4	5288.6	5295.5	5290.9
5°	5346.2	5355.5	5350.8	5348.5	5346.2	5348.5	5343.9	5341.6	5348.5	5348.5	5346.2
7.5°	5429.2	5440.7	5436.1	5440.7	5443.0	5445.3	5433.8	5424.6	5422.3	5429.2	5424.6
10°	5542.1	5551.3	5553.6	5555.9	5560.6	5558.2	5544.4	5528.3	5526.0	5523.7	5521.4
12.5°	5668.9	5675.8	5678.1	5687.3	5694.2	5696.5	5680.4	5666.6	5643.5	5648.1	5638.9
15°	5811.7	5825.6	5823.3	5837.1	5855.5	5860.1	5844.0	5821.0	5800.2	5788.7	5781.8
17.5°	5986.9	5996.1	5991.5	6005.3	6028.3	6039.9	6026.0	5996.1	5975.3	5950.0	5936.2
20°	6194.3	6210.4	6215.0	6215.0	6235.7	6247.3	6226.5	6217.3	6185.0	6166.6	6155.1
22.5°	6429.3	6436.2	6450.1	6463.9	6484.6	6480.0	6473.1	6459.3	6429.3	6413.2	6394.7
25°	6694.3	6701.2	6735.8	6765.8	6772.7	6768.1	6758.8	6751.9	6724.3	6687.4	6673.6
27.5°	7003.1	7016.9	7063.0	7090.7	7090.7	7093.0	7074.6	7097.6	7037.7	6993.9	6989.3
30°	7390.3	7399.5	7438.6	7466.3	7452.5	7441.0	7436.3	7459.4	7394.9	7316.5	7298.1
32.5°	7772.8	7805.1	7839.6	7899.5	7851.1	7830.4	7825.8	7841.9	7768.2	7680.6	7655.3
35°	8183.0	8206.0	8270.5	8321.2	8277.5	8229.1	8249.8	8300.5	8212.9	8095.4	8090.8
37.5°	8636.9	8657.7	8740.6	8793.6	8761.4	8678.4	8713.0	8772.9	8685.3	8540.2	8510.2
40°	9109.3	9153.1	9256.8	9312.1	9259.1	9148.5	9213.0	9277.6	9199.2	9031.0	8964.2
42.5°	9639.4	9708.5	9858.3	9885.9	9784.5	9634.8	9747.7	9851.4	9796.1	9602.5	9577.1
45°	10259.3	10300.7	10485.1	10545.0	10404.4	10217.8	10358.3	10547.3	10505.8	10282.3	10233.9
47.5°	10952.9	10992.1	11183.3	11273.2	11095.8	10844.6	11098.1	11344.6	11319.3	11079.6	11056.6
50°	11773.3	11782.5	12047.5	12148.9	11971.4	11754.8	11980.6	12287.1	12185.7	11879.3	11874.6
52.5°	12672.0	12683.5	13017.6	13213.5	13114.4	12870.2	13137.5	13324.1	13066.0	12665.1	12635.1
55°	13450.9	13508.5	13964.8	14485.5	14621.5	14444.1	14524.7	14437.2	13801.1	13238.9	13151.3
57.5°	13768.9	13881.8	14575.4	15547.9	16432.8	16695.5	16073.3	15239.1	14093.8	13298.8	13213.5
60°	12992.3	13114.4	14190.6	16036.4	18294.7	19435.4	17686.4	15375.1	13427.8	12310.2	12176.5
62.5°	10404.4	10439.0	12022.1	14886.5	19380.1	22334.4	18366.2	14215.9	11489.8	9971.2	9918.2
64°	7487.0	7841.9	9519.5	13052.2	18905.4	23438.2	17974.4	12591.3	9332.9	7795.8	7547.0
65°	5599.7	5696.5	7673.7	11146.5	18068.9	23355.2	17214.0	11038.1	7729.0	5966.1	5689.6
67.5°	2115.5	2127.0	2832.1	5555.9	12863.2	20094.5	13137.5	6005.3	3256.1	2355.1	2269.8
70°	878.0	894.1	1039.3	1868.9	5528.3	12902.4	6334.8	2166.1	1191.4	965.5	951.7
72.5°	642.9	652.1	695.9	829.6	1700.7	5297.8	2083.2	919.5	698.2	624.5	617.6
75°	504.7	509.3	541.5	610.7	792.7	1467.9	866.5	631.4	532.3	479.3	474.7
77.5°	384.8	396.4	419.4	465.5	532.3	695.9	573.8	472.4	410.2	366.4	359.5
80°	265.0	278.8	322.6	341.1	357.2	451.7	391.8	357.2	320.3	267.3	251.2
82.5°	163.6	172.8	216.6	232.7	225.8	253.5	251.2	255.8	228.1	165.9	154.4
85°	85.3	89.9	117.5	122.1	112.9	103.7	129.0	149.8	140.6	94.5	92.2
87.5°	18.4	20.7	25.3	23.0	25.3	25.3	32.3	48.4	50.7	32.3	30.0
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)