

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: P532149

Luminaire Tested: **GALN-SA7C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532149  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7C-730-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30636 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

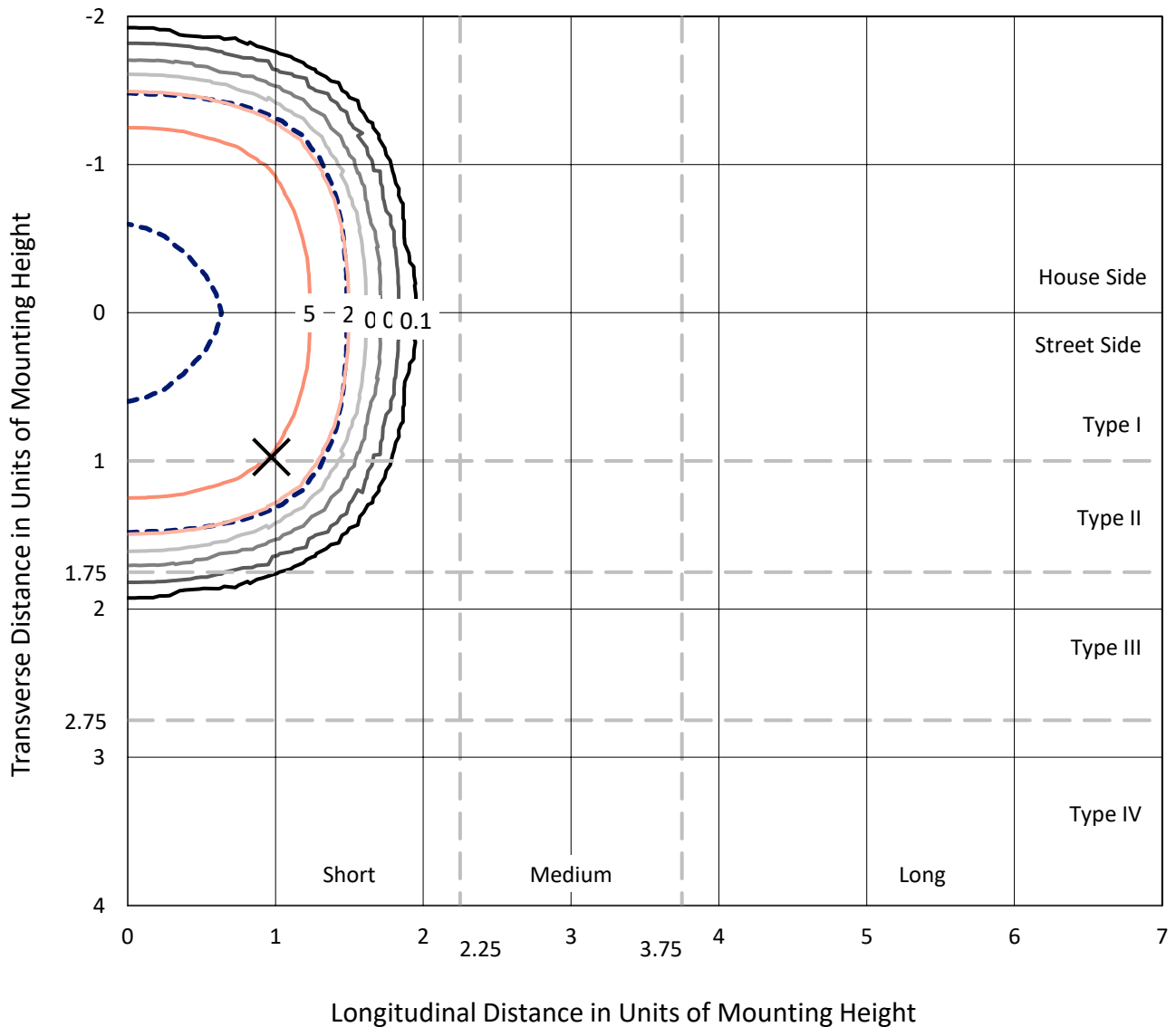
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

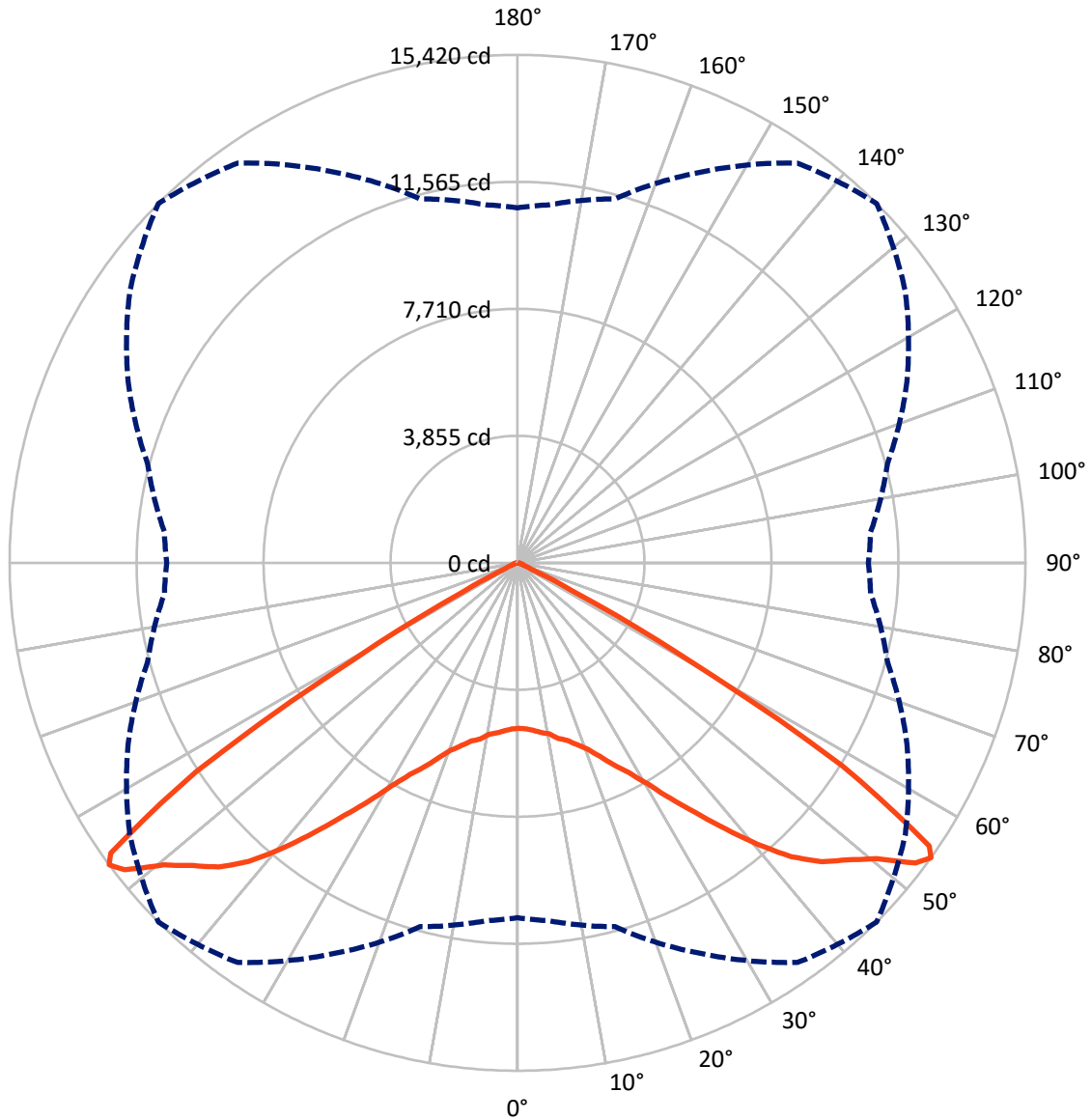
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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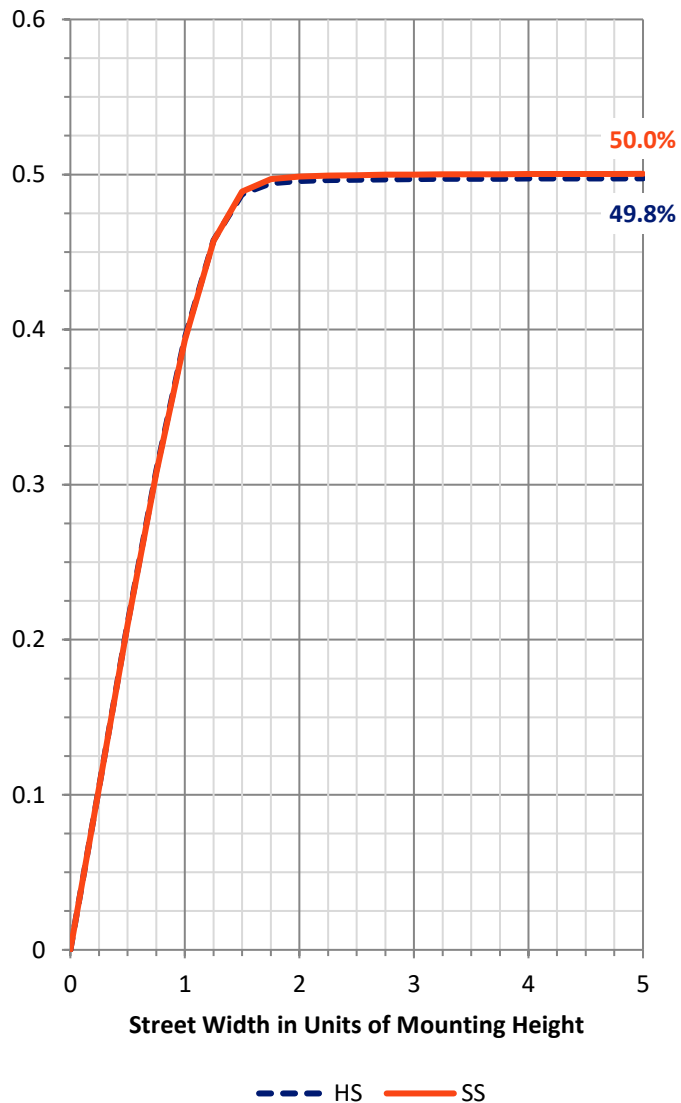
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15318.0	0.0	15318.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15318.0	0.0	15318.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30636.0	0.0	30636.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	491.7	1.6
10°-20°	1592.2	5.2
20°-30°	3120.6	10.2
30°-40°	5611.5	18.3
40°-50°	9605.9	31.4
50°-60°	9294.6	30.3
60°-70°	795.7	2.6
70°-80°	94.3	0.3
80°-90°	29.6	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°	30636.0	100.0
0°-180°	30636.0	100.0

**Coefficient of Utilization**



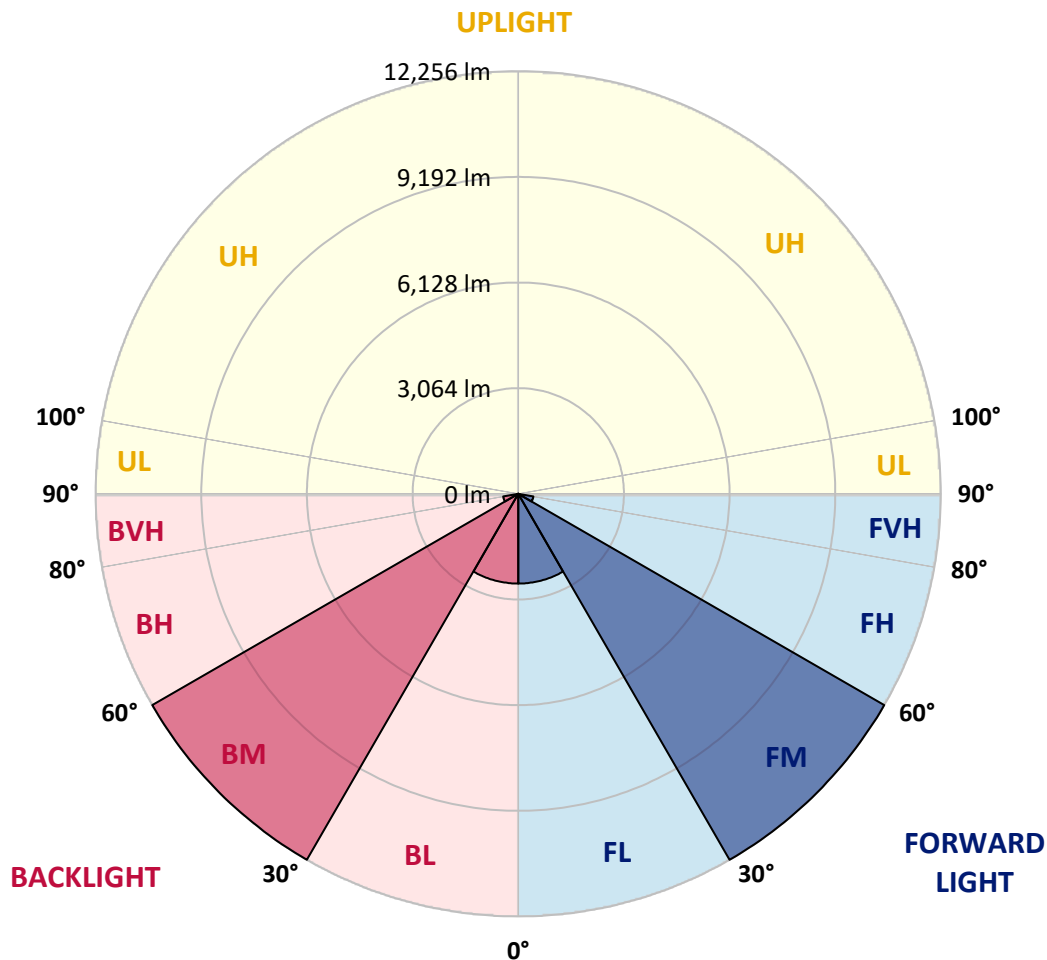
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2602.2	8.5			
FM (30°-60°)	12256.0	40.0			
FH (60°-80°)	445.0	1.5			G0/660
FVH (80°-90°)	14.8	0.0			G1/100
BL (0°-30°)	2602.2	8.5	B4/5000		
BM (30°-60°)	12256.0	40.0	B5		
BH (60°-80°)	445.0	1.5	B1/500		G0/660
BVH (80°-90°)	14.8	0.0			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°	5023.3	5023.3	5023.3	5023.3	5023.3	5023.3	5023.3	5023.3	5023.3	5023.3	5023.3
2.5°	5047.6	5076.7	5057.3	5071.9	5071.9	5047.6	5062.2	5003.9	5042.8	5013.6	5018.5
5°	5125.3	5120.4	5120.4	5125.3	5105.9	5115.6	5096.2	5076.7	5062.2	5042.8	5101.0
7.5°	5222.3	5222.3	5188.4	5198.1	5188.4	5202.9	5164.1	5125.3	5110.7	5096.2	5086.4
10°	5314.6	5304.9	5290.3	5334.0	5300.0	5280.6	5261.2	5236.9	5183.5	5164.1	5144.7
12.5°	5450.5	5445.6	5426.2	5469.9	5450.5	5469.9	5397.1	5334.0	5324.3	5261.2	5295.1
15°	5610.6	5654.3	5620.3	5620.3	5610.6	5586.4	5557.2	5528.1	5440.7	5416.5	5421.3
17.5°	5819.3	5804.8	5809.6	5809.6	5858.1	5795.1	5736.8	5664.0	5620.3	5605.8	5557.2
20°	6018.3	6037.7	6032.9	6066.8	6096.0	6028.0	5964.9	5955.2	5833.9	5853.3	5785.3
22.5°	6367.8	6353.2	6377.5	6401.7	6382.3	6372.6	6314.4	6241.6	6134.8	6086.3	6076.6
25°	6736.6	6712.4	6668.7	6726.9	6756.0	6799.7	6688.1	6649.3	6484.2	6411.4	6416.3
27.5°	7052.1	7086.1	7134.6	7158.9	7231.7	7217.1	7139.5	7013.3	6887.1	6804.6	6751.2
30°	7484.1	7503.5	7586.0	7620.0	7746.2	7780.1	7658.8	7513.2	7289.9	7183.1	7120.1
32.5°	7882.0	8017.9	8013.1	8183.0	8386.8	8527.6	8309.2	8085.9	7862.6	7736.4	7624.8
35°	8527.6	8503.3	8644.0	8823.6	9153.7	9313.8	9076.0	8818.8	8479.0	8275.2	8187.8
37.5°	9129.4	9139.1	9328.4	9614.7	9993.3	10240.8	10032.1	9609.9	9260.4	8998.3	8877.0
40°	10003.0	10022.4	10216.6	10541.8	10968.9	11235.8	10993.1	10566.0	10100.1	9896.2	9896.2
42.5°	11027.1	11109.6	11235.8	11517.3	11900.7	12196.8	11978.4	11643.5	11172.7	10910.6	10949.4
45°	12080.3	12119.1	12201.6	12619.0	12798.6	12944.2	12740.4	12585.1	12269.6	11949.3	11895.9
47.5°	13065.6	13080.1	13322.8	13453.8	13594.6	13473.3	13604.3	13400.5	13046.1	12735.5	12672.4
50°	13502.4	13478.1	13822.7	14220.7	14327.5	14113.9	14002.3	13866.4	13327.7	12953.9	12788.9
52.5°	12230.8	12371.5	13012.2	14118.8	14953.6	15133.1	14482.8	13856.7	12852.0	12124.0	12012.4
54°	10774.7	10905.8	11434.8	13075.3	14812.8	15419.5	14371.1	13041.3	11624.1	10760.2	10648.5
55°	9333.2	9187.6	10148.6	11823.1	14152.7	15167.1	13929.5	11988.1	10367.0	9575.9	9420.6
57.5°	5052.5	5076.7	5887.3	7469.5	9944.8	11628.9	10270.0	8110.2	6125.1	5236.9	5159.2
60°	1601.6	1640.5	1994.8	3018.9	4751.6	5673.7	4863.2	3256.7	2252.0	1805.5	1732.7
62.5°	499.9	519.3	567.9	844.5	1300.7	1858.9	1456.0	873.6	650.4	597.0	606.7
65°	305.8	305.8	310.6	330.0	388.3	451.4	436.8	383.4	368.9	359.2	354.3
67.5°	199.0	194.1	203.8	218.4	228.1	233.0	247.5	262.1	257.2	247.5	247.5
70°	121.3	116.5	126.2	145.6	150.5	160.2	174.7	194.1	189.3	179.6	184.4
72.5°	67.9	67.9	72.8	87.4	101.9	111.6	126.2	140.8	145.6	140.8	140.8
75°	24.3	29.1	38.8	53.4	63.1	77.7	92.2	106.8	121.3	111.6	106.8
77.5°	9.7	9.7	19.4	34.0	48.5	63.1	87.4	101.9	111.6	101.9	92.2
80°	4.9	4.9	14.6	29.1	43.7	58.2	72.8	87.4	92.2	82.5	72.8
82.5°	4.9	4.9	14.6	29.1	43.7	53.4	77.7	87.4	97.1	87.4	72.8
85°	0.0	4.9	14.6	29.1	38.8	43.7	43.7	29.1	24.3	14.6	14.6
87.5°	0.0	0.0	4.9	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)