

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: P530280

Luminaire Tested: **GALN-SA5C-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530280  
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-SA5C-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 1050mA 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: 27202 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

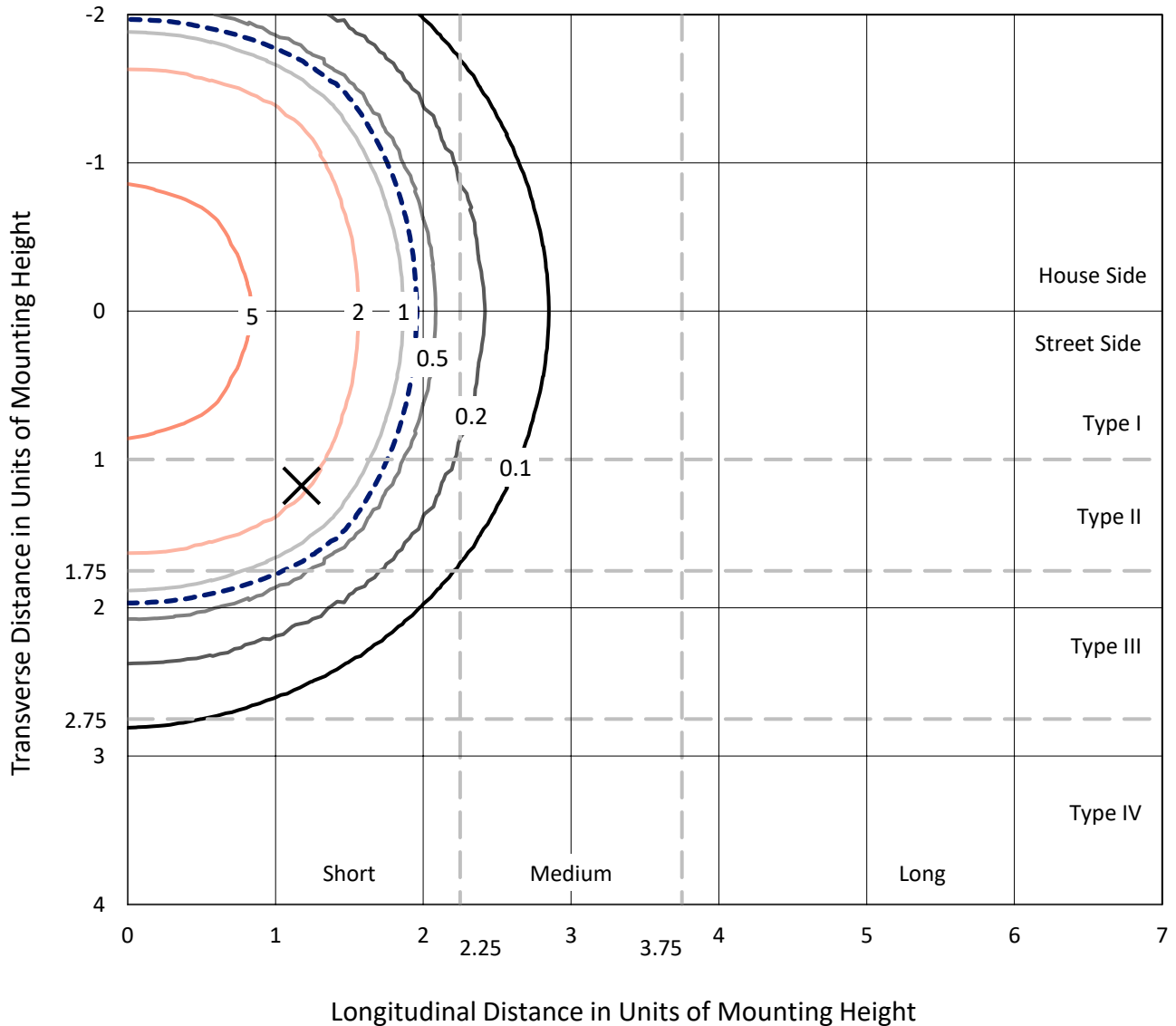
Input Watts (W): 269  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

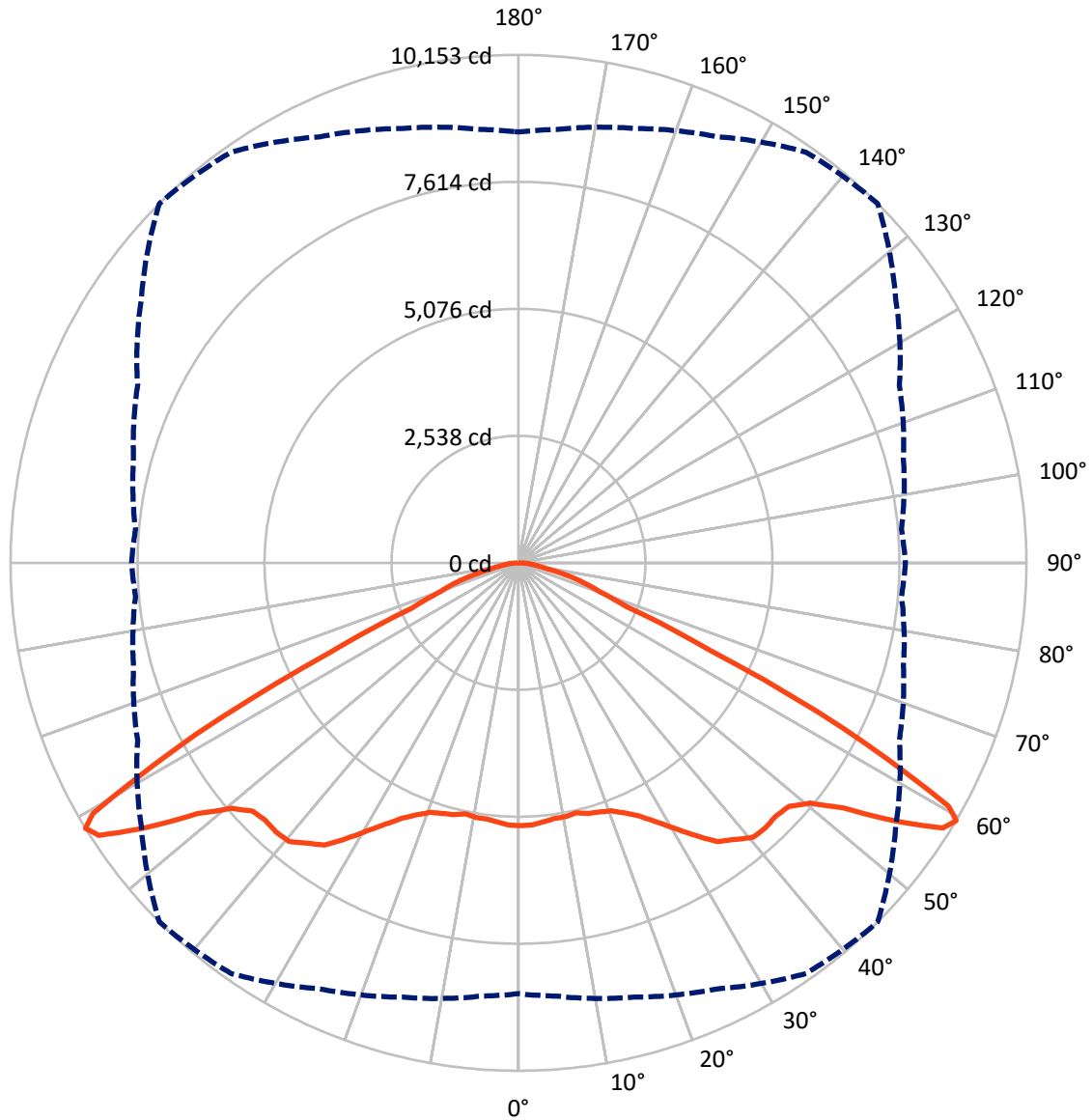
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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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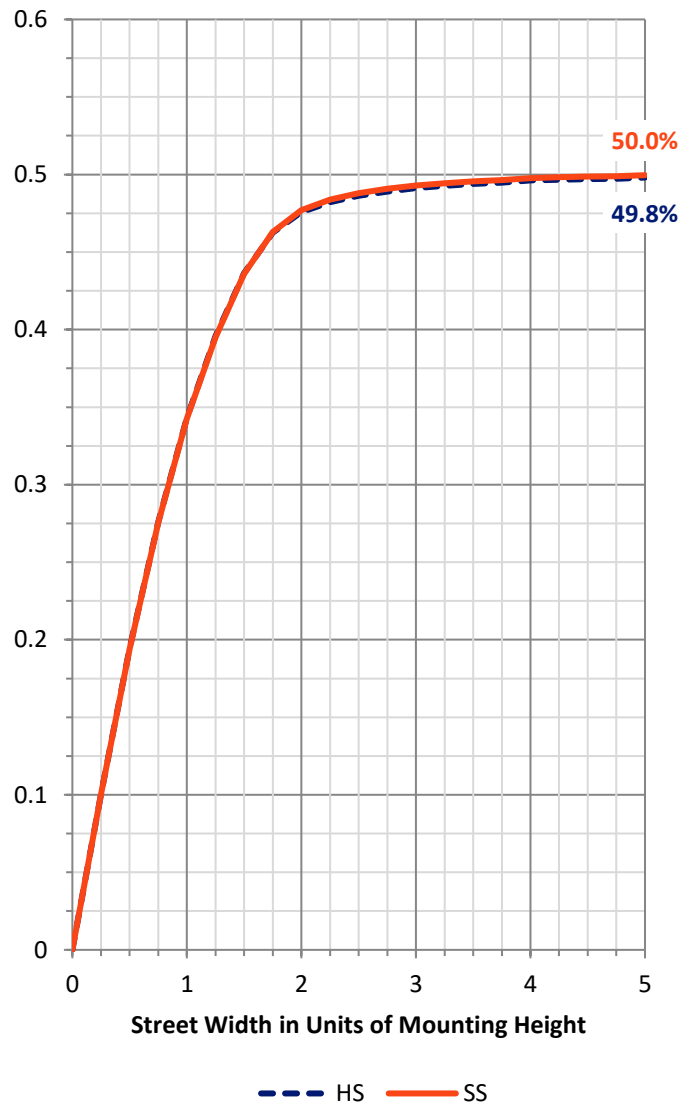
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13601.0	0.0	13601.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13601.0	0.0	13601.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27202.0	0.0	27202.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.3	1.8
10°-20°	1472.9	5.4
20°-30°	2571.9	9.5
30°-40°	4107.7	15.1
40°-50°	5595.5	20.6
50°-60°	7566.6	27.8
60°-70°	4149.5	15.3
70°-80°	1061.6	3.9
80°-90°	181.1	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°	27202.0	100.0
0°-180°	27202.0	100.0

**Coefficient of Utilization**



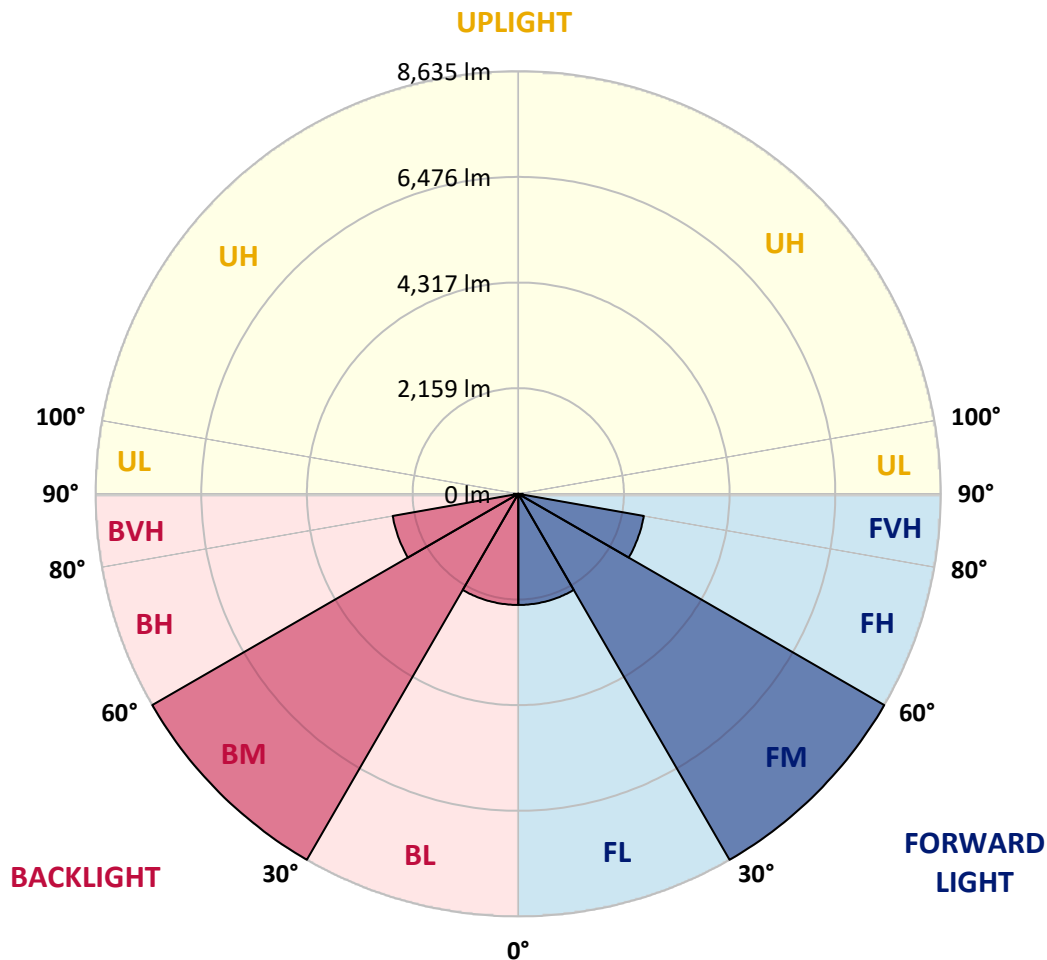
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2270.1	8.3			
FM (30°-60°)	8634.9	31.7			
FH (60°-80°)	2605.6	9.6			G2/5000
FVH (80°-90°)	90.5	0.3			G1/100
BL (0°-30°)	2270.1	8.3	B3/2500		
BM (30°-60°)	8634.9	31.7	B5		
BH (60°-80°)	2605.6	9.6	B4/5000		G2/5000
BVH (80°-90°)	90.5	0.3			G1/100
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°	5254.1	5254.1	5254.1	5254.1	5254.1	5254.1	5254.1	5254.1	5254.1	5254.1	5254.1
2.5°	5222.7	5261.1	5233.2	5257.6	5254.1	5243.7	5226.2	5215.8	5201.8	5222.7	5187.9
5°	5201.8	5233.2	5264.6	5222.7	5222.7	5201.8	5191.4	5170.5	5170.5	5167.0	5163.5
7.5°	5236.7	5205.3	5191.4	5198.3	5205.3	5160.0	5191.4	5149.5	5114.7	5139.1	5167.0
10°	5205.3	5219.3	5167.0	5191.4	5153.0	5160.0	5139.1	5167.0	5128.6	5128.6	5128.6
12.5°	5236.7	5198.3	5215.8	5198.3	5187.9	5128.6	5156.5	5125.1	5121.6	5156.5	5125.1
15°	5299.4	5236.7	5222.7	5187.9	5198.3	5198.3	5170.5	5173.9	5135.6	5156.5	5163.5
17.5°	5278.5	5243.7	5233.2	5191.4	5226.2	5236.7	5184.4	5149.5	5173.9	5170.5	5167.0
20°	5296.0	5309.9	5299.4	5306.4	5320.4	5292.5	5243.7	5194.9	5163.5	5208.8	5205.3
22.5°	5407.5	5393.6	5386.6	5379.6	5404.0	5431.9	5365.7	5289.0	5289.0	5320.4	5334.3
25°	5498.2	5494.7	5491.2	5522.6	5606.3	5606.3	5522.6	5425.0	5400.6	5421.5	5404.0
27.5°	5630.7	5669.0	5655.1	5710.9	5832.9	5860.8	5749.2	5634.2	5567.9	5543.5	5574.9
30°	5934.0	5888.7	5899.1	5958.4	6066.5	6157.1	5986.3	5864.3	5773.6	5770.1	5784.1
32.5°	6136.2	6171.1	6202.4	6258.2	6429.1	6498.8	6293.1	6094.4	6038.6	6007.2	6017.7
35°	6540.6	6509.3	6502.3	6558.1	6728.9	6844.0	6586.0	6411.6	6338.4	6408.2	6408.2
37.5°	6924.1	6837.0	6770.7	6844.0	7000.9	7014.8	6795.1	6701.0	6662.7	6742.9	6739.4
40°	7105.4	7098.5	6945.1	6986.9	7196.1	7217.0	7011.3	6899.7	6892.8	6997.4	7102.0
42.5°	7293.7	7227.5	7074.1	7102.0	7231.0	7237.9	7042.7	7011.3	7088.0	7189.1	7196.1
45°	7325.1	7269.3	7171.7	7102.0	7196.1	7217.0	7102.0	7122.9	7129.9	7251.9	7251.9
47.5°	7387.9	7380.9	7325.1	7272.8	7290.2	7272.8	7199.6	7231.0	7335.6	7394.8	7366.9
50°	7562.2	7489.0	7544.7	7499.4	7502.9	7551.7	7485.5	7516.9	7495.9	7443.6	7408.8
52.5°	7945.7	7910.8	7959.6	7991.0	8025.9	8137.4	8060.7	7893.4	7736.5	7597.0	7593.6
55°	8507.0	8531.4	8625.6	8785.9	8921.9	9099.7	8730.1	8329.2	8078.2	7858.5	7872.5
57.5°	9037.0	9019.5	9148.5	9514.6	9912.1	10002.7	9277.5	8705.7	8297.8	8158.4	8099.1
59°	8611.6	8695.3	8988.1	9396.1	10020.1	10152.6	9204.3	8398.9	7966.6	7684.2	7733.0
60°	7942.2	7973.6	8235.1	8803.4	9647.1	9873.7	8712.7	7924.8	7349.5	7185.6	7258.9
62.5°	5613.2	5588.8	5777.1	6240.8	6997.4	7304.2	6477.9	5923.5	5560.9	5379.6	5421.5
65°	2984.4	3096.0	3172.7	3462.1	3863.0	4187.3	3845.6	3605.0	3402.8	3252.9	3249.4
67.5°	2015.2	2001.2	2018.7	2084.9	2220.9	2311.5	2304.6	2182.5	2165.1	2137.2	2168.6
70°	1697.9	1690.9	1659.6	1659.6	1687.5	1708.4	1732.8	1746.7	1774.6	1809.5	1806.0
72.5°	1377.2	1359.7	1338.8	1328.3	1363.2	1373.7	1405.1	1419.0	1443.4	1439.9	1471.3
75°	910.0	910.0	934.4	962.3	972.7	993.6	997.1	1039.0	1039.0	1045.9	1018.1
77.5°	509.0	495.1	512.5	540.4	564.8	603.2	641.5	672.9	690.3	683.4	683.4
80°	296.4	296.4	313.8	345.2	376.5	411.4	439.3	463.7	481.1	474.2	460.2
82.5°	184.8	184.8	202.2	233.6	258.0	278.9	317.3	348.6	369.6	362.6	345.2
85°	94.1	94.1	115.1	136.0	167.4	181.3	177.8	163.9	160.4	142.9	142.9
87.5°	24.4	24.4	34.9	38.4	31.4	34.9	34.9	34.9	34.9	34.9	38.4
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)