

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: P534022

Luminaire Tested: **GALN-SA9C-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9C-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52281 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

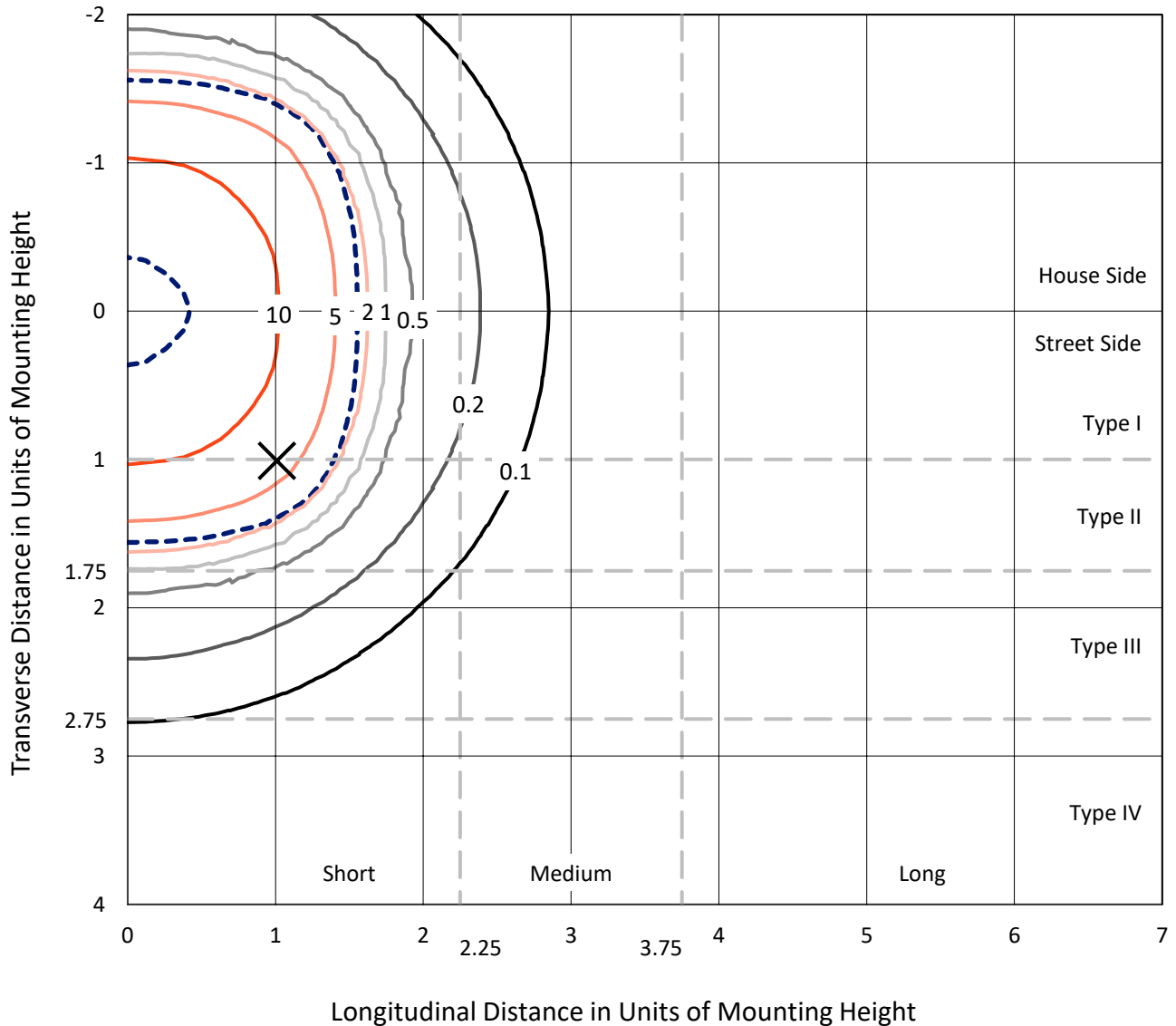
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

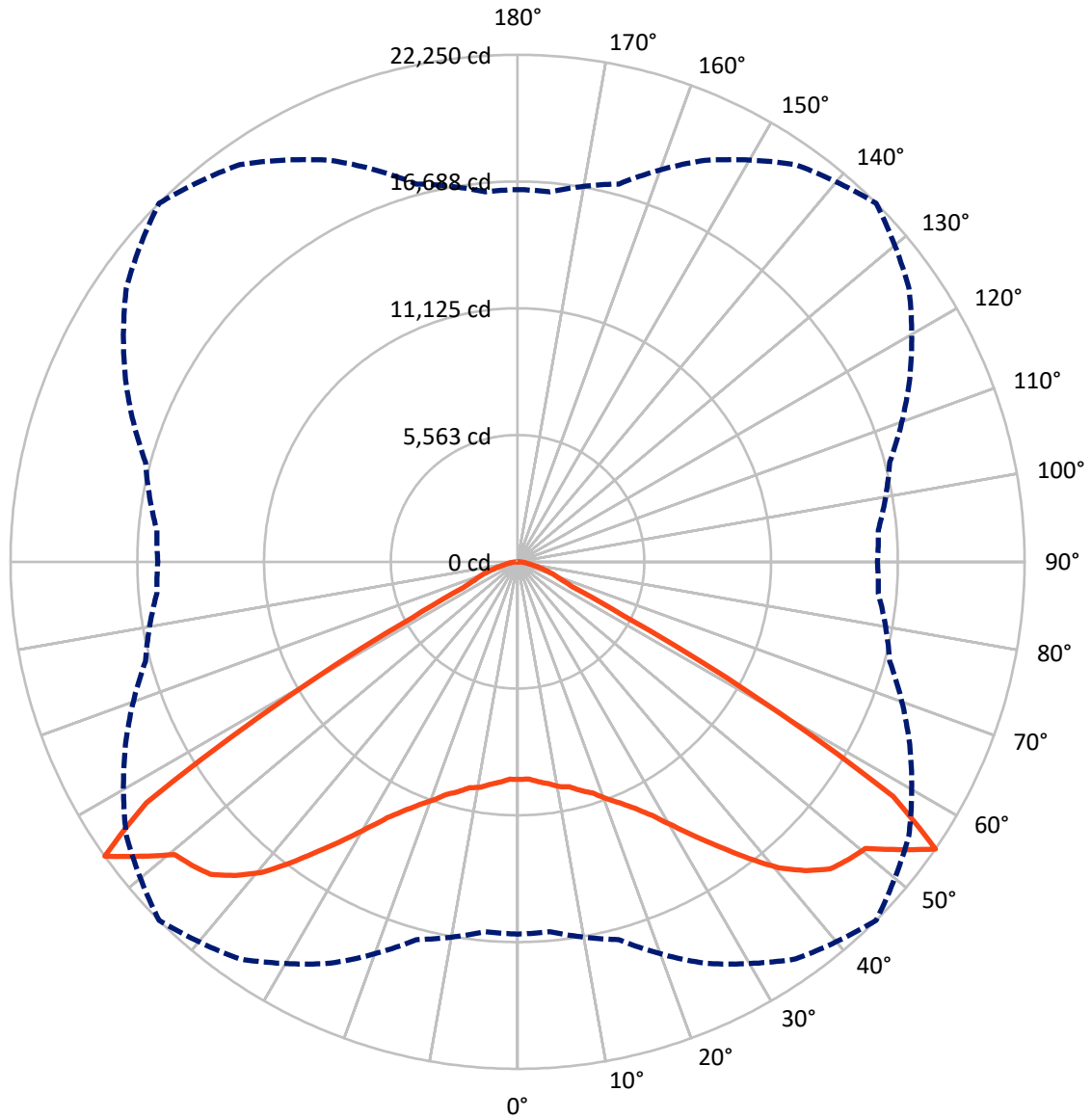
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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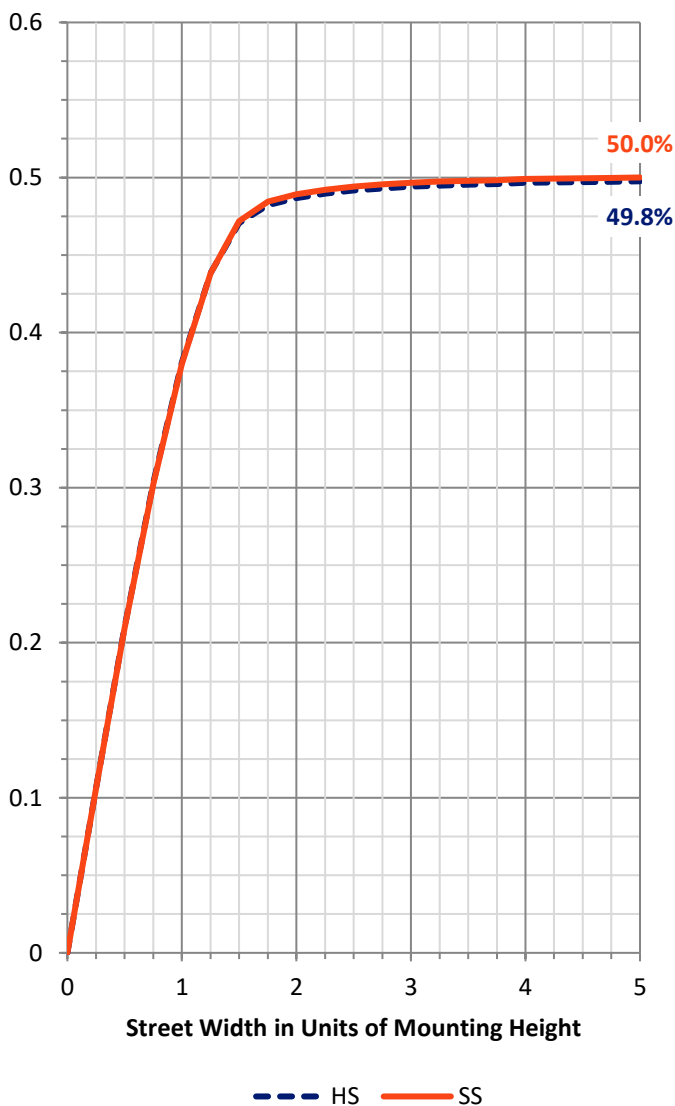
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26140.5	0.0	26140.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26140.5	0.0	26140.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52281.0	0.0	52281.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	932.5	1.8
10°-20°	2954.7	5.7
20°-30°	5509.6	10.5
30°-40°	9224.9	17.6
40°-50°	14354.6	27.5
50°-60°	14904.6	28.5
60°-70°	3160.8	6.0
70°-80°	1041.0	2.0
80°-90°	198.2	0.4
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°	52281.0	100.0
0°-180°	52281.0	100.0

**Coefficient of Utilization**

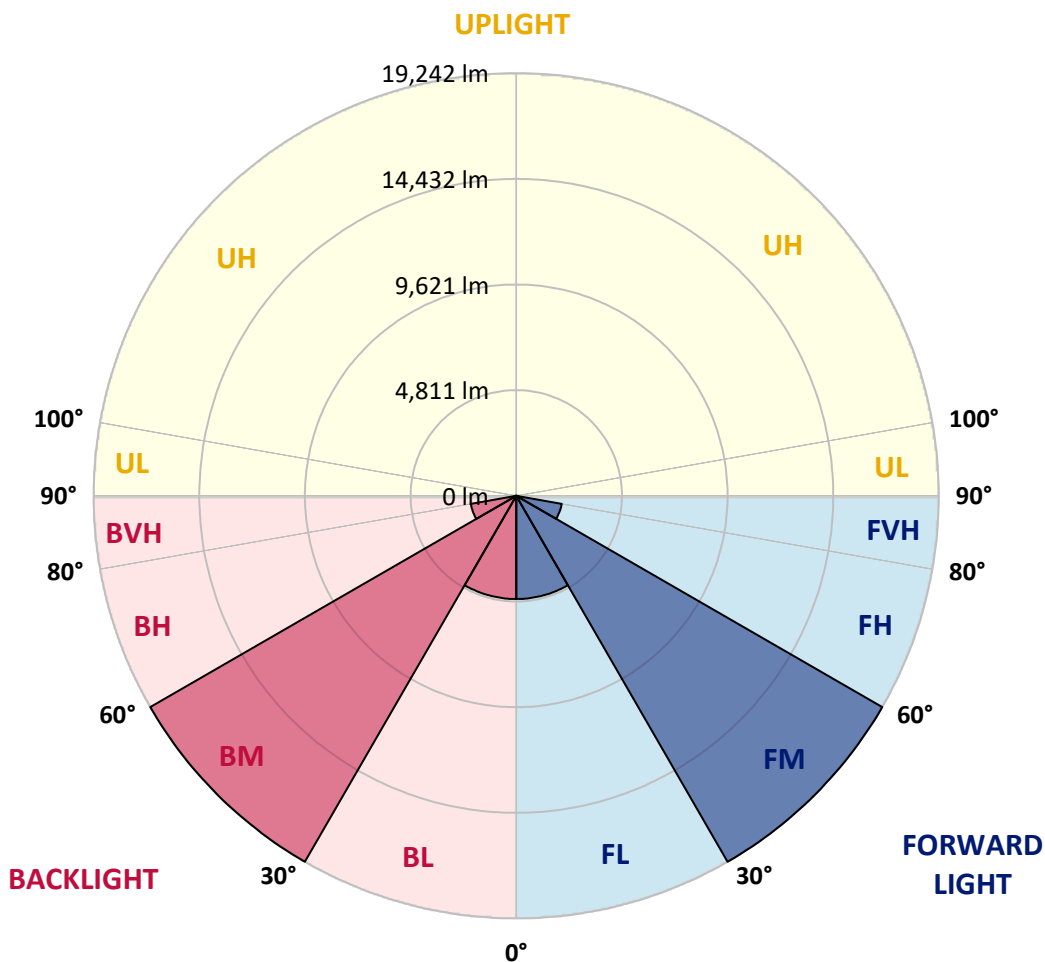


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4698.4	9.0			
FM (30°-60°)	19242.1	36.8			
FH (60°-80°)	2100.9	4.0			G2/5000
FVH (80°-90°)	99.1	0.2			G1/100
BL (0°-30°)	4698.4	9.0	B4/5000		
BM (30°-60°)	19242.1	36.8	B5		
BH (60°-80°)	2100.9	4.0	B3/2500		G2/5000
BVH (80°-90°)	99.1	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-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9545.7	9545.7	9545.7	9545.7	9545.7	9545.7	9545.7	9545.7	9545.7	9545.7	9545.7
2.5°	9659.4	9615.2	9539.4	9596.3	9640.5	9545.7	9583.6	9602.6	9590.0	9539.4	9558.4
5°	9798.4	9773.2	9710.0	9754.2	9697.4	9697.4	9659.4	9608.9	9684.7	9672.1	9703.7
7.5°	9798.4	9766.8	9893.2	9811.1	9836.3	9836.3	9773.2	9722.6	9760.5	9703.7	9672.1
10°	9994.3	10038.5	9981.6	10000.6	9988.0	10032.2	9937.4	9905.8	9874.2	9855.3	9817.4
12.5°	10228.0	10196.4	10215.4	10202.8	10247.0	10133.3	10076.4	10006.9	10063.8	9981.6	10038.5
15°	10417.5	10398.6	10417.5	10468.1	10423.9	10417.5	10316.5	10247.0	10158.5	10177.5	10089.0
17.5°	10676.6	10657.6	10663.9	10708.1	10701.8	10670.2	10594.4	10461.8	10430.2	10379.6	10322.8
20°	11061.9	11030.3	11017.7	11036.7	11068.2	11093.5	10941.9	10891.4	10784.0	10701.8	10607.1
22.5°	11390.4	11377.8	11428.3	11346.2	11415.7	11491.5	11346.2	11320.9	11055.6	11011.4	10910.3
25°	11845.3	11826.3	11794.8	11914.8	11996.9	11990.6	11851.6	11712.6	11510.5	11459.9	11459.9
27.5°	12325.4	12218.0	12382.3	12413.9	12559.2	12603.4	12483.4	12281.2	12091.7	11984.3	12009.6
30°	12925.6	12824.5	12862.4	13089.8	13279.4	13443.6	13140.4	12843.5	12578.1	12388.6	12357.0
32.5°	13525.8	13424.7	13538.4	13759.5	14138.5	14384.9	14088.0	13570.0	13260.4	12982.4	13039.3
35°	14012.2	14088.0	14271.2	14606.0	14997.7	15395.7	14921.9	14523.9	14081.7	13772.1	13816.4
37.5°	14795.6	15029.3	15174.6	15560.0	16115.9	16526.6	16033.8	15515.8	15041.9	14637.6	14498.6
40°	15819.0	15976.9	16141.2	16596.1	17253.1	17663.7	17196.2	16520.2	16052.7	15635.8	15616.8
42.5°	16943.5	17095.1	17265.7	17821.6	18213.3	18522.9	18093.3	17733.2	17215.2	16886.7	16867.7
45°	18251.2	18143.8	18333.4	18699.8	19028.3	19230.4	18952.5	18775.6	18402.9	18099.6	18068.0
47.5°	19123.0	19028.3	19369.4	19697.9	19748.5	19527.4	19584.2	19748.5	19356.8	18857.7	19015.7
50°	19628.4	19628.4	19855.9	20159.1	20064.4	19780.1	20228.6	20241.2	19849.6	19407.3	19407.3
52.5°	18750.3	18946.2	19590.5	20582.4	20898.3	20980.4	20879.3	20449.7	19426.3	18522.9	18478.7
55°	16337.0	16292.8	17164.6	19438.9	21277.3	22250.2	20961.4	18984.1	16905.6	15888.5	15787.4
57.5°	10626.0	10676.6	11978.0	14296.5	17613.2	19426.3	17253.1	14473.4	11978.0	10575.5	10708.1
60°	4782.3	4952.9	5742.6	7473.6	10322.8	11801.1	10348.1	7852.6	6026.9	5230.9	5300.4
62.5°	2748.1	2779.7	2811.3	3335.6	4397.0	5199.3	4567.5	3525.2	3108.2	2969.2	2969.2
65°	2318.5	2299.6	2305.9	2350.1	2463.8	2628.1	2558.6	2463.8	2476.5	2463.8	2444.9
67.5°	1971.1	1996.3	1977.4	2009.0	2015.3	2040.6	2084.8	2122.7	2129.0	2141.6	2129.0
70°	1617.3	1623.6	1636.2	1661.5	1667.8	1686.8	1749.9	1781.5	1800.5	1800.5	1825.8
72.5°	1238.2	1231.9	1244.5	1269.8	1301.4	1307.7	1364.6	1408.8	1434.1	1402.5	1408.8
75°	815.0	821.3	840.2	859.2	903.4	947.6	966.6	1010.8	1017.1	1029.8	998.2
77.5°	486.4	499.1	518.0	555.9	593.8	631.7	676.0	707.6	720.2	707.6	669.7
80°	315.9	315.9	341.1	372.7	417.0	448.5	473.8	499.1	518.0	499.1	486.4
82.5°	195.8	195.8	227.4	265.3	296.9	315.9	353.8	385.4	404.3	391.7	372.7
85°	101.1	107.4	132.7	164.3	189.5	202.2	195.8	176.9	157.9	151.6	139.0
87.5°	31.6	31.6	37.9	37.9	31.6	31.6	37.9	31.6	37.9	37.9	37.9
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)