

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: P533322

Luminaire Tested: **GALN-SA8D-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533322  
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-SA8D-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 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: 48265 lumens  
Efficiency: N/A  
Efficacy: 97.9 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

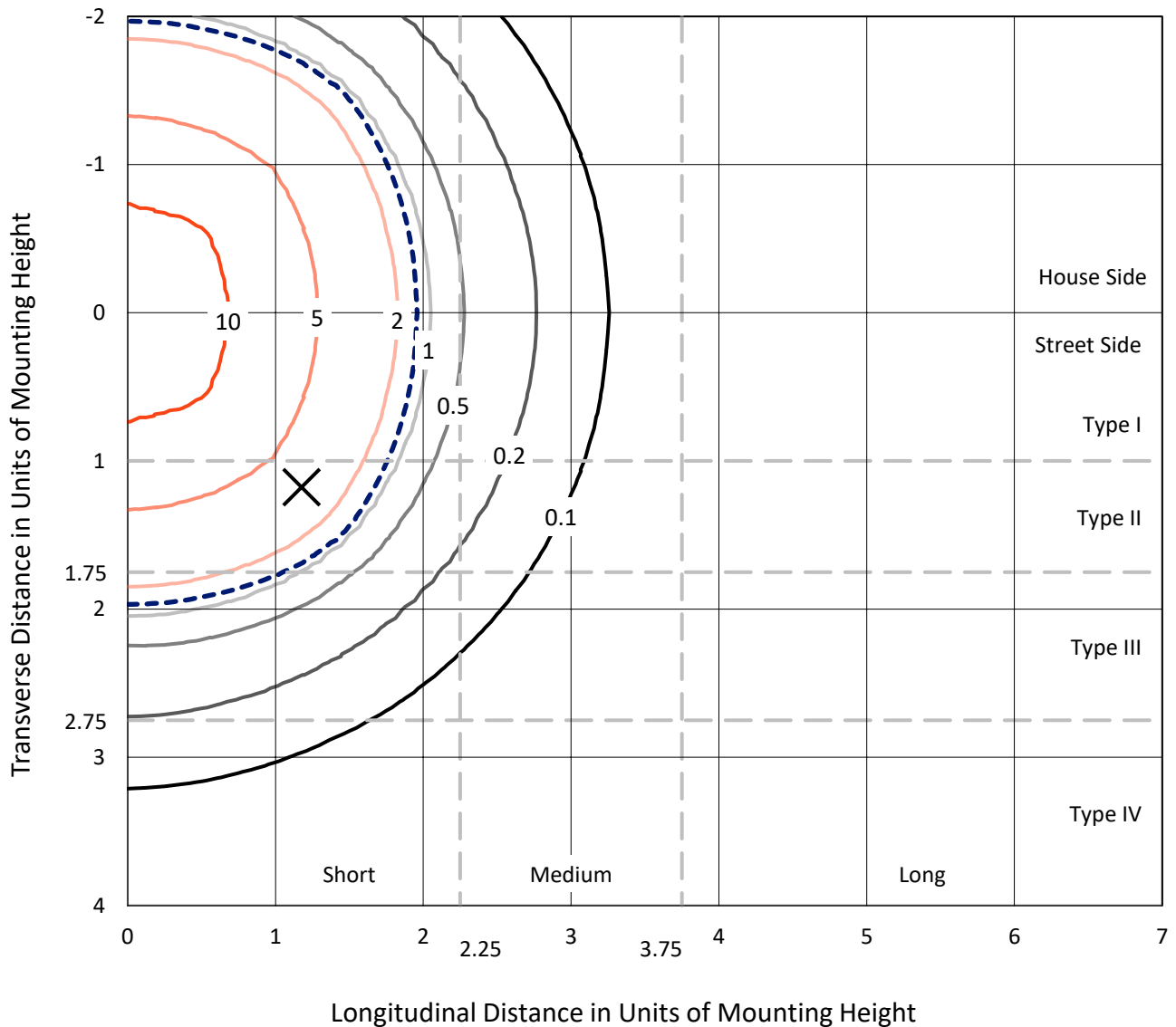
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

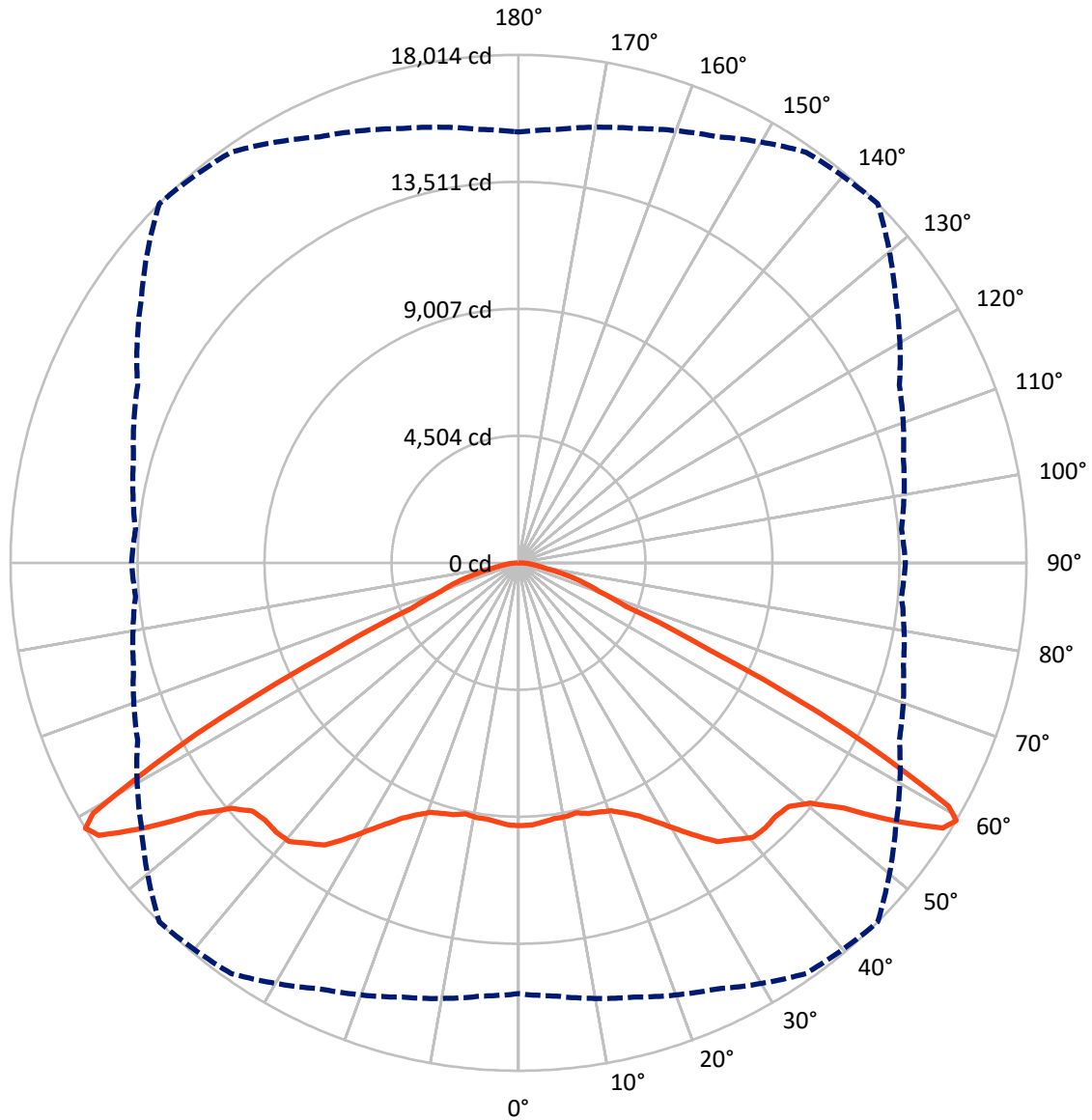
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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	24132.5	0.0	24132.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24132.5	0.0	24132.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	48265.0	0.0	48265.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	878.8	1.8
10°-20°	2613.4	5.4
20°-30°	4563.4	9.5
30°-40°	7288.3	15.1
40°-50°	9928.2	20.6
50°-60°	13425.5	27.8
60°-70°	7362.6	15.3
70°-80°	1883.6	3.9
80°-90°	321.3	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°	48265.0	100.0
0°-180°	48265.0	100.0

**Coefficient of Utilization**

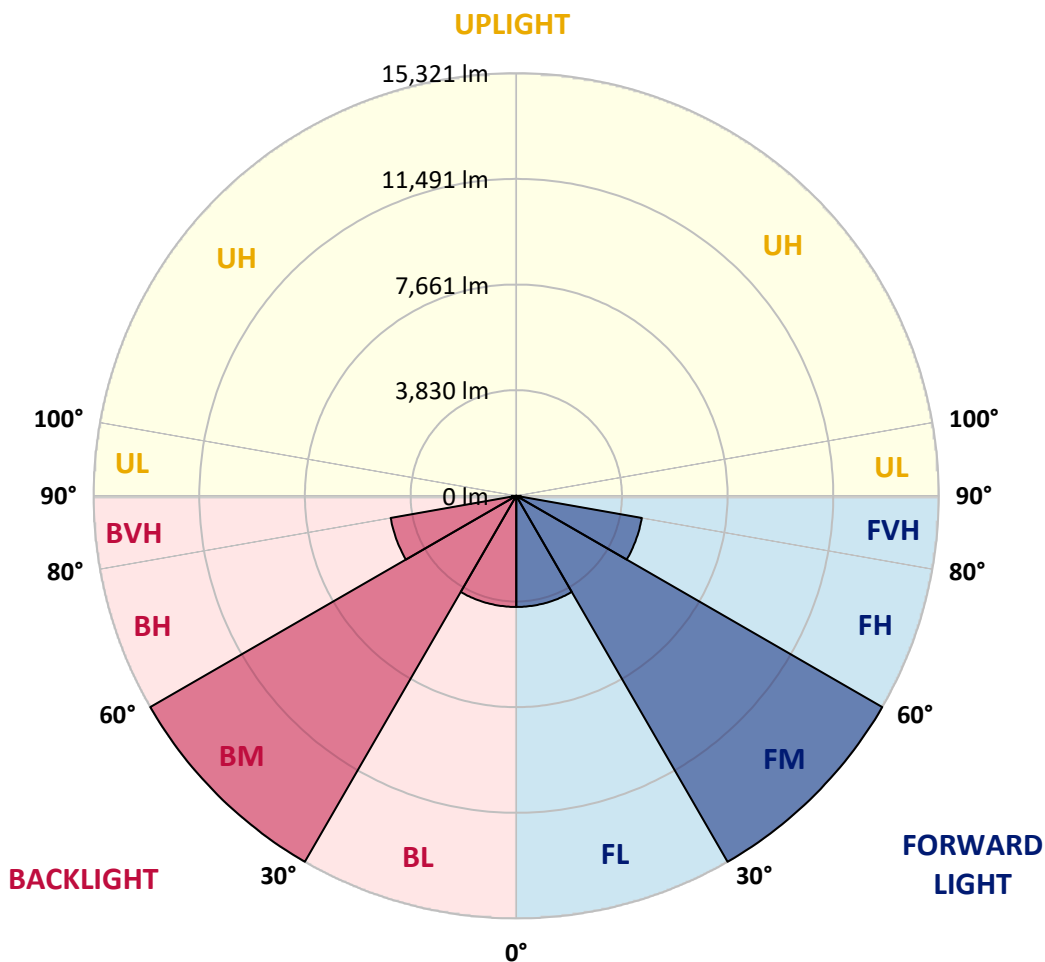


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4027.8	8.3			
FM (30°-60°)	15321.0	31.7			
FH (60°-80°)	4623.1	9.6			G2/5000
FVH (80°-90°)	160.6	0.3			G2/225
BL (0°-30°)	4027.8	8.3	B4/5000		
BM (30°-60°)	15321.0	31.7	B5		
BH (60°-80°)	4623.1	9.6	B4/5000		G2/5000
BVH (80°-90°)	160.6	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°	9322.5	9322.5	9322.5	9322.5	9322.5	9322.5	9322.5	9322.5	9322.5	9322.5	9322.5
2.5°	9266.8	9334.9	9285.4	9328.7	9322.5	9303.9	9273.0	9254.4	9229.7	9266.8	9205.0
5°	9229.7	9285.4	9341.0	9266.8	9266.8	9229.7	9211.1	9174.0	9174.0	9167.8	9161.7
7.5°	9291.6	9235.9	9211.1	9223.5	9235.9	9155.5	9211.1	9136.9	9075.0	9118.3	9167.8
10°	9235.9	9260.6	9167.8	9211.1	9143.1	9155.5	9118.3	9167.8	9099.8	9099.8	9099.8
12.5°	9291.6	9223.5	9254.4	9223.5	9205.0	9099.8	9149.3	9093.6	9087.4	9149.3	9093.6
15°	9402.9	9291.6	9266.8	9205.0	9223.5	9223.5	9174.0	9180.2	9112.2	9149.3	9161.7
17.5°	9365.8	9303.9	9285.4	9211.1	9273.0	9291.6	9198.8	9136.9	9180.2	9174.0	9167.8
20°	9396.7	9421.5	9402.9	9415.3	9440.0	9390.5	9303.9	9217.3	9161.7	9242.1	9235.9
22.5°	9594.7	9569.9	9557.6	9545.2	9588.5	9638.0	9520.4	9384.4	9384.4	9440.0	9464.8
25°	9755.5	9749.3	9743.1	9798.8	9947.3	9947.3	9798.8	9625.6	9582.3	9619.4	9588.5
27.5°	9990.6	10058.6	10033.9	10132.9	10349.4	10398.9	10200.9	9996.8	9879.2	9835.9	9891.6
30°	10528.8	10448.4	10466.9	10572.1	10763.9	10924.7	10621.6	10405.1	10244.2	10238.0	10262.8
32.5°	10887.6	10949.4	11005.1	11104.1	11407.2	11530.9	11166.0	10813.3	10714.4	10658.7	10677.3
35°	11605.2	11549.5	11537.1	11636.1	11939.2	12143.4	11685.6	11376.3	11246.4	11370.1	11370.1
37.5°	12285.6	12131.0	12013.5	12143.4	12421.7	12446.5	12056.8	11889.7	11821.7	11964.0	11957.8
40°	12607.3	12594.9	12322.8	12397.0	12768.2	12805.3	12440.3	12242.3	12230.0	12415.6	12601.1
42.5°	12941.4	12823.8	12551.6	12601.1	12830.0	12842.4	12496.0	12440.3	12576.4	12755.8	12768.2
45°	12997.0	12898.1	12724.9	12601.1	12768.2	12805.3	12601.1	12638.3	12650.6	12867.1	12867.1
47.5°	13108.4	13096.0	12997.0	12904.3	12935.2	12904.3	12774.3	12830.0	13015.6	13120.8	13071.3
50°	13417.7	13287.8	13386.8	13306.4	13312.5	13399.1	13281.6	13337.3	13300.2	13207.4	13145.5
52.5°	14098.2	14036.3	14122.9	14178.6	14240.5	14438.4	14302.3	14005.4	13727.0	13479.6	13473.4
55°	15094.1	15137.4	15304.5	15589.0	15830.3	16145.8	15490.1	14778.7	14333.3	13943.5	13968.3
57.5°	16034.4	16003.5	16232.4	16881.9	17587.2	17748.0	16461.3	15446.8	14723.0	14475.5	14370.4
59°	15279.7	15428.2	15947.8	16671.6	17778.9	18014.0	16331.4	14902.4	14135.3	13634.2	13720.8
60°	14092.0	14147.7	14611.6	15620.0	17117.0	17519.1	15459.1	14061.1	13040.4	12749.6	12879.5
62.5°	9959.7	9916.4	10250.4	11073.2	12415.6	12959.9	11493.8	10510.2	9866.9	9545.2	9619.4
65°	5295.3	5493.3	5629.4	6142.8	6854.2	7429.5	6823.3	6396.5	6037.7	5771.7	5765.5
67.5°	3575.6	3550.8	3581.8	3699.3	3940.6	4101.4	4089.0	3872.5	3841.6	3792.1	3847.8
70°	3012.6	3000.3	2944.6	2944.6	2994.1	3031.2	3074.5	3099.2	3148.7	3210.6	3204.4
72.5°	2443.5	2412.6	2375.5	2356.9	2418.8	2437.3	2493.0	2517.8	2561.1	2554.9	2610.5
75°	1614.6	1614.6	1657.9	1707.4	1725.9	1763.0	1769.2	1843.5	1843.5	1855.8	1806.3
77.5°	903.2	878.4	909.4	958.8	1002.2	1070.2	1138.2	1193.9	1224.9	1212.5	1212.5
80°	525.8	525.8	556.8	612.4	668.1	730.0	779.5	822.8	853.7	841.3	816.6
82.5°	327.9	327.9	358.8	414.5	457.8	494.9	562.9	618.6	655.7	643.4	612.4
85°	167.0	167.0	204.1	241.3	296.9	321.7	315.5	290.7	284.6	253.6	253.6
87.5°	43.3	43.3	61.9	68.0	55.7	61.9	61.9	61.9	61.9	61.9	68.0
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)