

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: P532156

Luminaire Tested: **GALN-SA7C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
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-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39076 lumens  
Efficiency: N/A  
Efficacy: 103.6 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

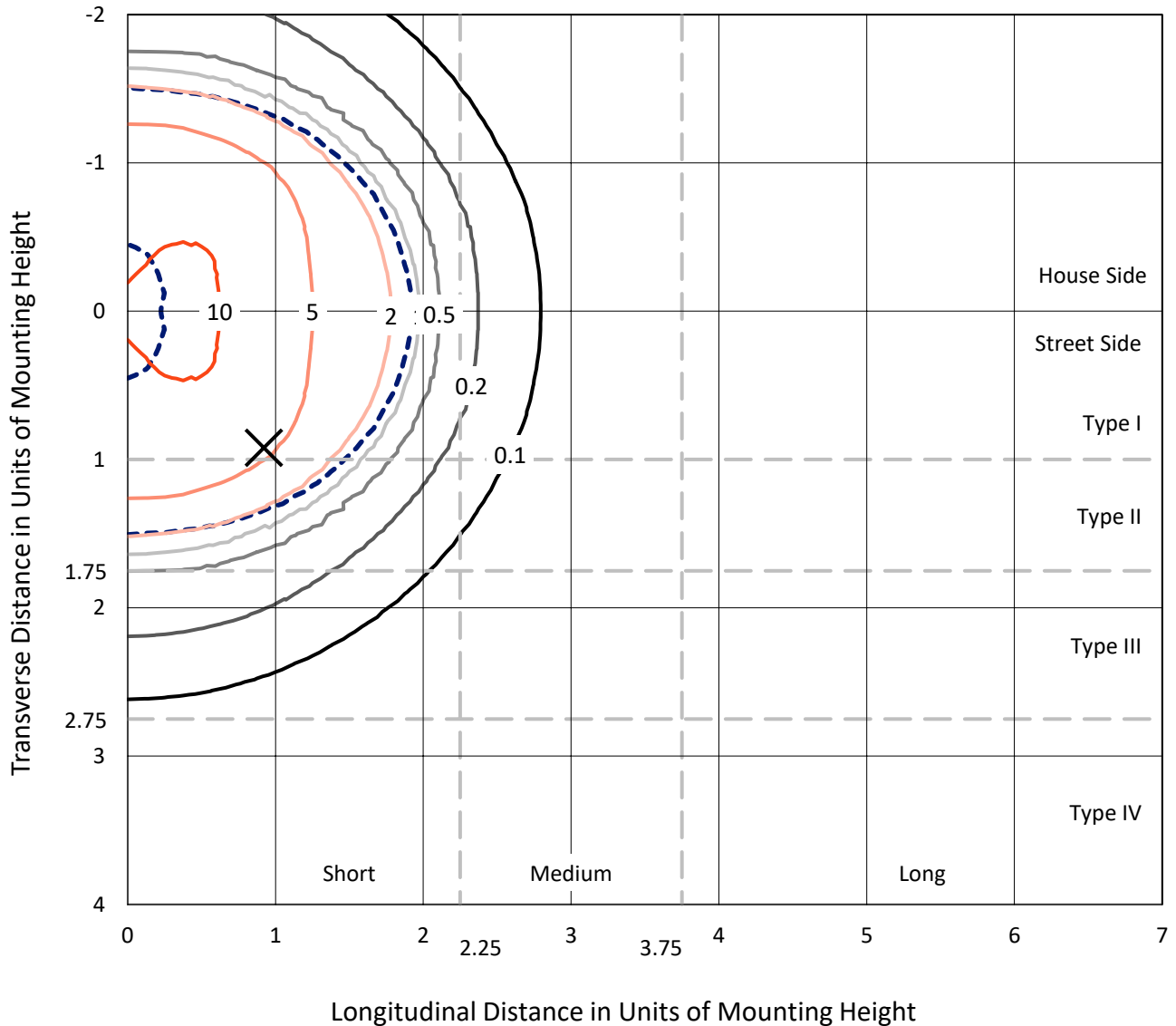
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

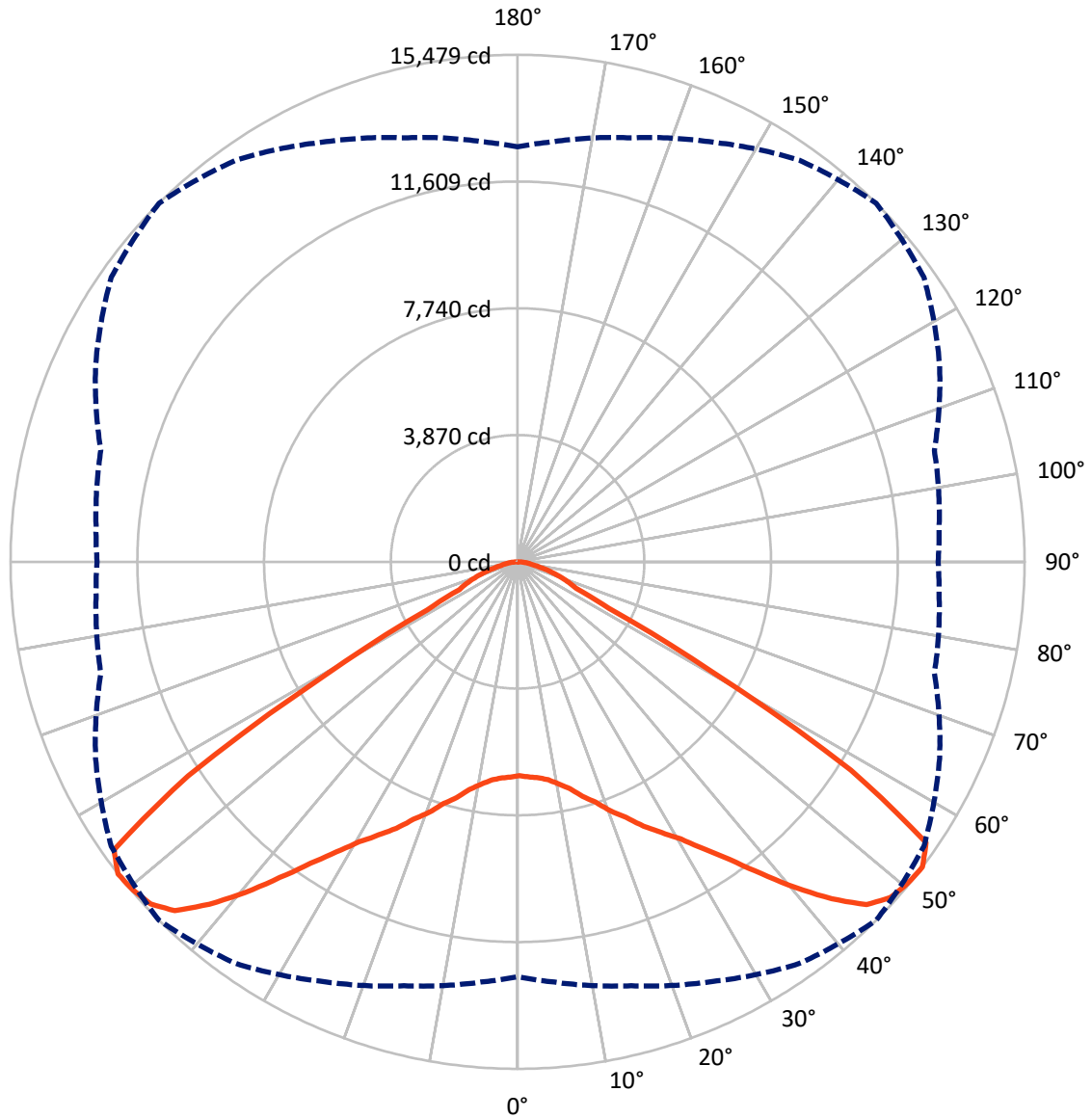
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19538.0	0.0	19538.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19538.0	0.0	19538.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39076.0	0.0	39076.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	641.8	1.6
10°-20°	2108.8	5.4
20°-30°	4014.8	10.3
30°-40°	6893.7	17.6
40°-50°	10595.8	27.1
50°-60°	10759.8	27.5
60°-70°	2998.6	7.7
70°-80°	884.6	2.3
80°-90°	178.2	0.5
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°	39076.0	100.0
0°-180°	39076.0	100.0

**Coefficient of Utilization**



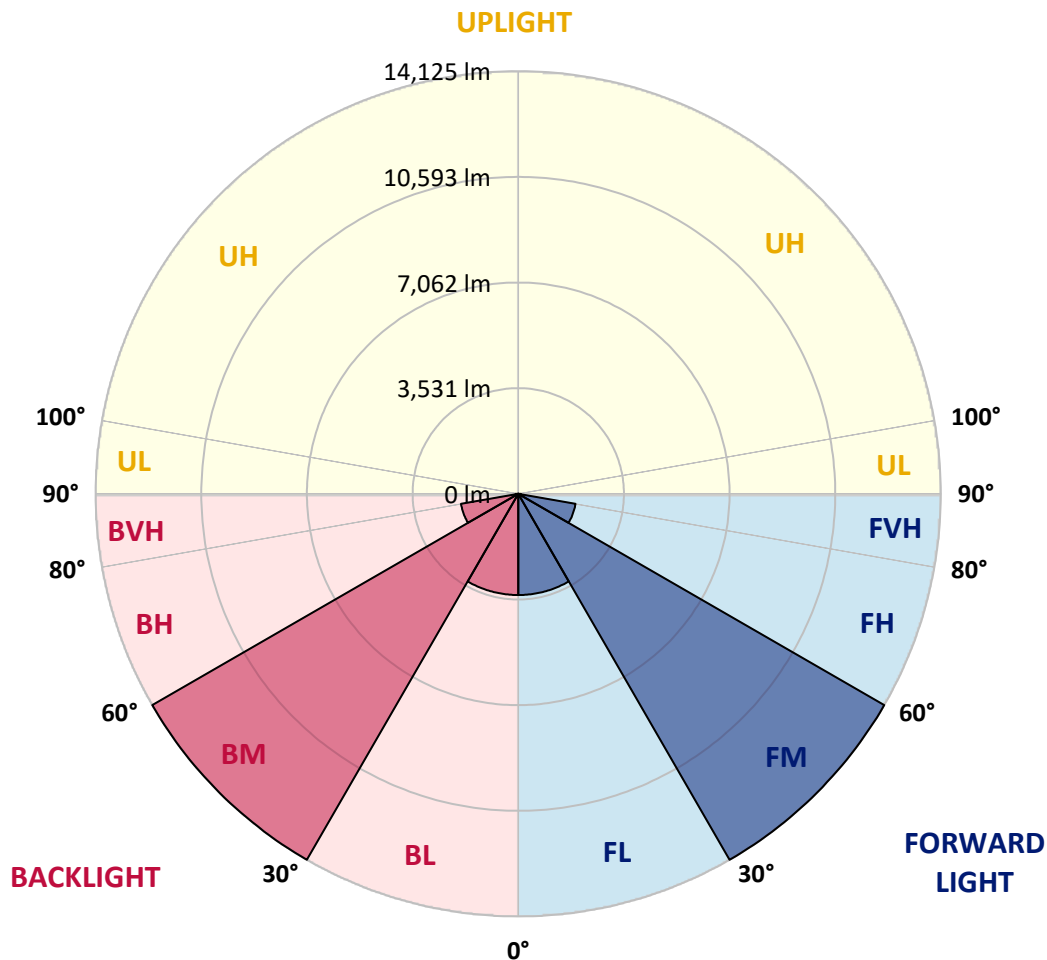
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3382.7	8.7			
FM (30°-60°)	14124.7	36.1			
FH (60°-80°)	1941.6	5.0			G2/5000
FVH (80°-90°)	89.1	0.2			G1/100
BL (0°-30°)	3382.7	8.7	B4/5000		
BM (30°-60°)	14124.7	36.1	B5		
BH (60°-80°)	1941.6	5.0	B3/2500		G2/5000
BVH (80°-90°)	89.1	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°	6532.1	6532.1	6532.1	6532.1	6532.1	6532.1	6532.1	6532.1	6532.1	6532.1	6532.1
2.5°	6546.6	6478.7	6503.0	6517.5	6580.6	6575.7	6561.2	6580.6	6600.0	6604.8	6595.1
5°	6541.8	6493.3	6512.7	6527.2	6590.3	6624.2	6614.5	6696.9	6755.1	6740.6	6813.3
7.5°	6503.0	6532.1	6507.8	6580.6	6633.9	6716.3	6803.6	6881.2	6954.0	7036.4	7050.9
10°	6590.3	6590.3	6633.9	6692.1	6832.7	6895.8	7021.9	7133.4	7274.0	7371.0	7332.2
12.5°	6682.4	6696.9	6696.9	6847.3	6963.7	7104.3	7220.7	7371.0	7569.8	7686.2	7744.4
15°	6774.5	6784.2	6832.7	7036.4	7211.0	7434.0	7540.7	7676.5	7788.0	8006.3	8011.1
17.5°	6857.0	6910.3	7055.8	7283.7	7501.9	7715.3	7885.0	8025.7	8122.7	8209.9	8190.5
20°	7167.3	7206.1	7356.5	7584.4	7909.3	8117.8	8176.0	8200.2	8263.3	8437.9	8384.5
22.5°	7468.0	7482.5	7623.2	7972.3	8200.2	8476.7	8539.7	8525.1	8549.4	8593.0	8670.6
25°	7778.4	7802.6	7996.6	8292.4	8612.4	8942.2	8995.5	8884.0	8850.1	8898.5	8903.4
27.5°	8176.0	8180.8	8428.2	8685.2	9048.9	9359.2	9441.7	9354.4	9194.4	9233.2	9296.2
30°	8680.3	8646.4	8893.7	9262.2	9645.3	9819.9	9960.6	9916.9	9742.3	9708.4	9655.0
32.5°	9262.2	9271.9	9495.0	9897.5	10149.7	10440.6	10591.0	10518.2	10406.7	10348.5	10382.4
35°	10081.8	10125.4	10275.8	10610.4	11017.7	11163.2	11400.8	11245.6	10954.7	11027.4	11090.5
37.5°	10755.8	10881.9	11163.2	11560.8	11803.3	12070.0	12157.3	11948.8	11735.4	11648.1	11856.6
40°	11788.8	11750.0	12060.3	12458.0	12816.8	13083.5	12972.0	12763.5	12234.9	12239.7	12297.9
42.5°	12676.2	12695.6	12933.2	13408.4	13898.2	14063.1	13709.1	13199.9	12613.1	12550.1	12676.2
45°	13423.0	13500.6	13636.4	14271.6	14751.7	14931.1	14276.5	13675.2	12889.6	12627.7	12836.2
47.5°	13689.7	13815.8	14111.6	14693.5	15168.8	15314.2	14790.5	13927.3	13146.6	12719.8	12831.4
50°	13728.5	13684.9	14169.8	14703.2	15120.3	15435.5	14974.8	14111.6	13083.5	12860.5	12826.5
52.5°	12666.5	12879.9	13398.7	14131.0	14974.8	15479.1	15139.7	14213.4	13170.8	12918.7	12836.2
55°	10251.5	9999.4	10945.0	12176.7	13728.5	15130.0	15081.5	14266.8	13224.2	13015.6	12904.1
57.5°	5722.2	5795.0	6328.4	7666.8	9669.6	11997.3	13408.4	13704.3	13199.9	13078.7	13136.9
60°	2647.7	2672.0	2899.9	3525.5	4766.9	6803.6	8660.9	10547.3	11415.4	11589.9	11589.9
62.5°	1973.7	1964.0	2022.2	2133.7	2395.6	3127.8	4175.3	5673.7	6866.7	7700.8	7919.0
65°	1784.6	1779.7	1808.8	1847.6	1867.0	1968.8	2201.6	2662.3	3050.2	3273.3	3234.5
67.5°	1561.5	1556.6	1566.3	1590.6	1624.5	1677.9	1736.1	1833.1	1968.8	1959.1	1934.9
70°	1260.8	1260.8	1275.4	1294.8	1333.6	1396.6	1464.5	1532.4	1648.8	1673.0	1668.2
72.5°	931.1	916.5	945.6	984.4	1023.2	1100.8	1173.5	1236.6	1319.0	1343.3	1333.6
75°	591.6	601.3	620.7	664.4	732.3	785.6	863.2	916.5	969.9	989.3	994.1
77.5°	329.8	339.5	373.4	426.7	494.6	552.8	620.7	664.4	698.3	703.2	708.0
80°	198.8	203.7	237.6	286.1	344.3	407.3	460.7	504.3	533.4	518.9	514.0
82.5°	121.2	126.1	155.2	198.8	247.3	295.8	354.0	392.8	421.9	402.5	383.1
85°	63.0	67.9	92.1	121.2	160.0	184.3	184.3	164.9	160.0	150.3	145.5
87.5°	19.4	19.4	24.2	29.1	24.2	29.1	33.9	38.8	38.8	43.6	38.8
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)