

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: P532234

Luminaire Tested: **GALN-SA7C-750-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532234  
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-750-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5000K, 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: 42907 lumens  
Efficiency: N/A  
Efficacy: 113.8 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

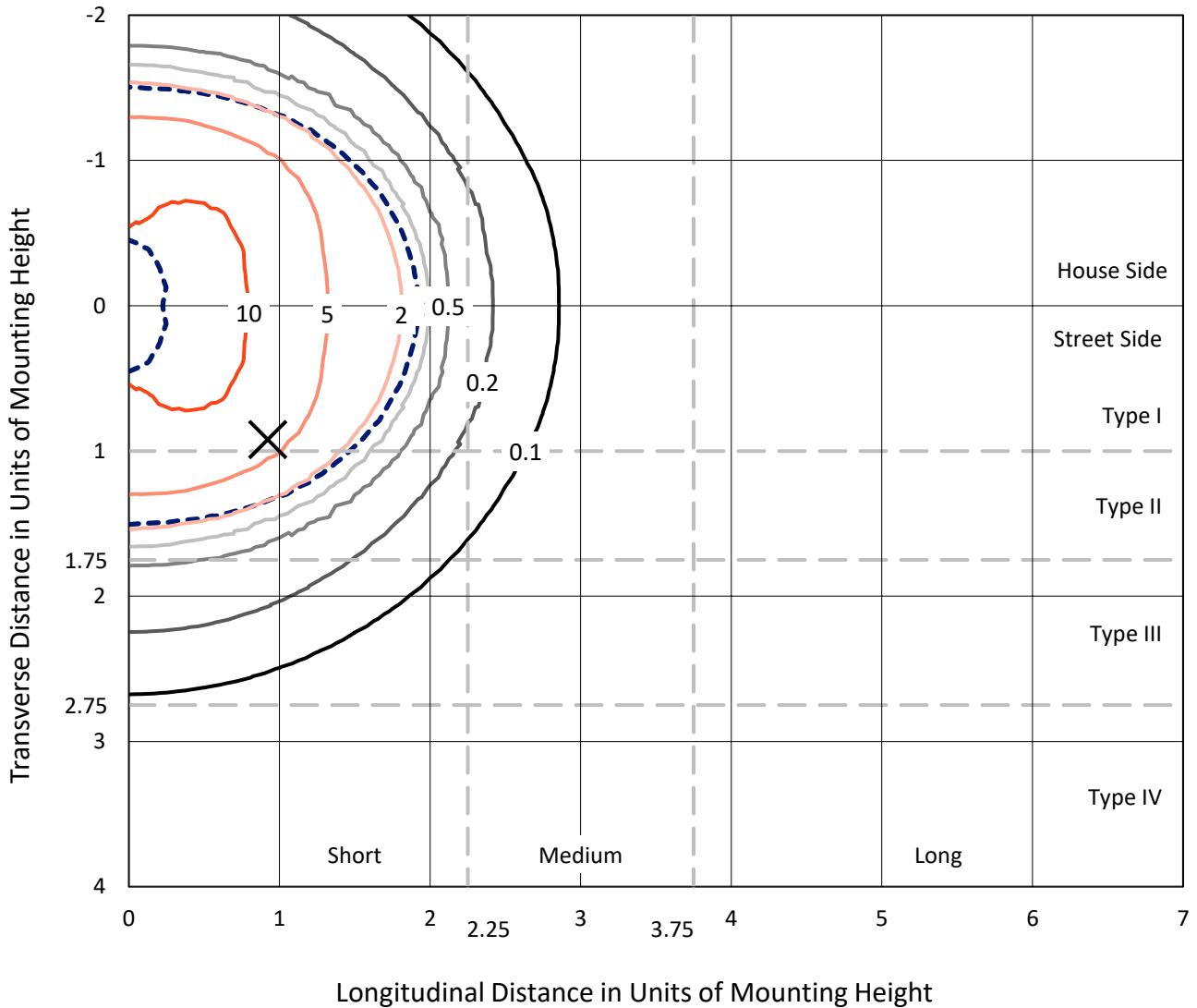
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

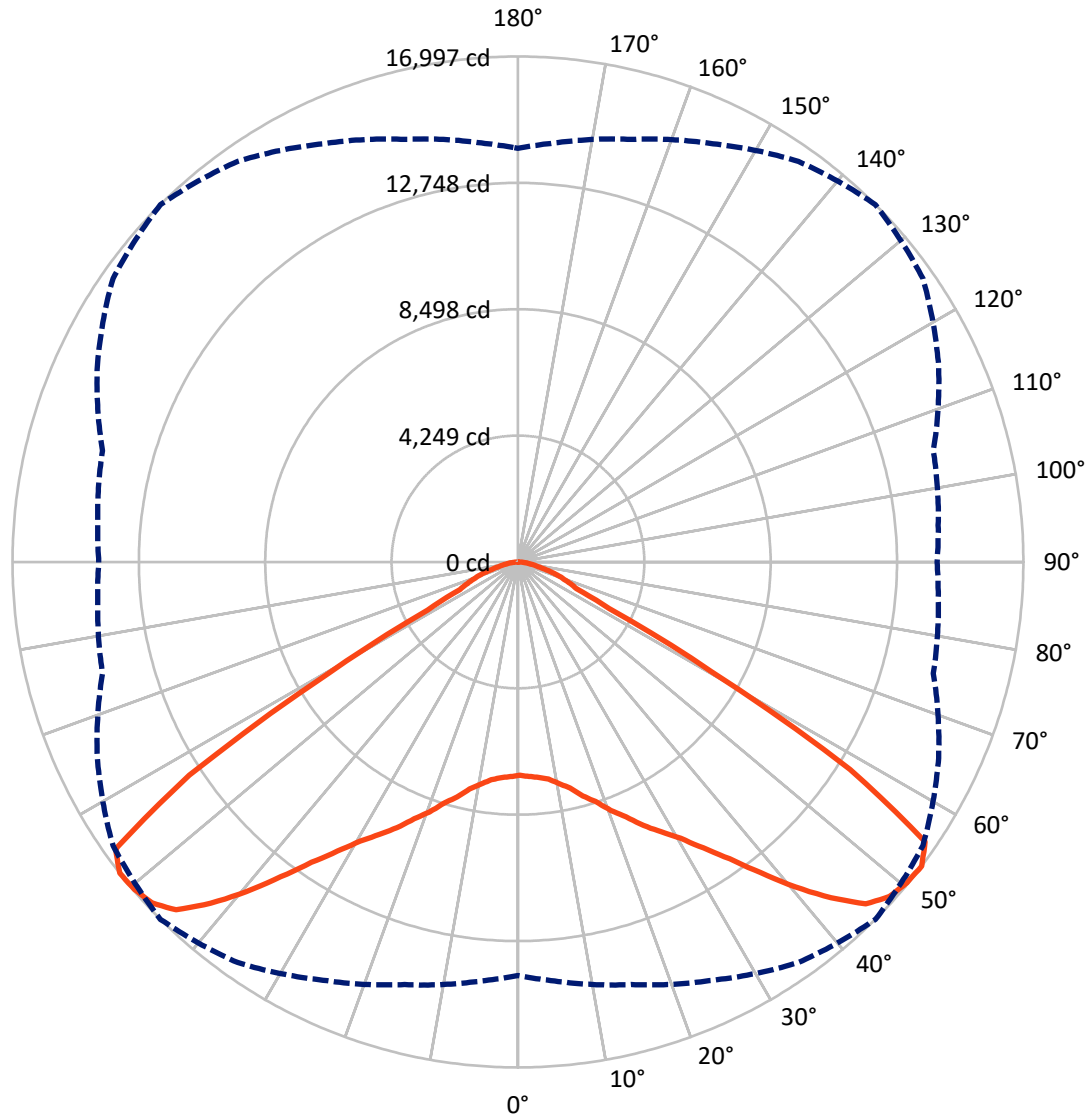
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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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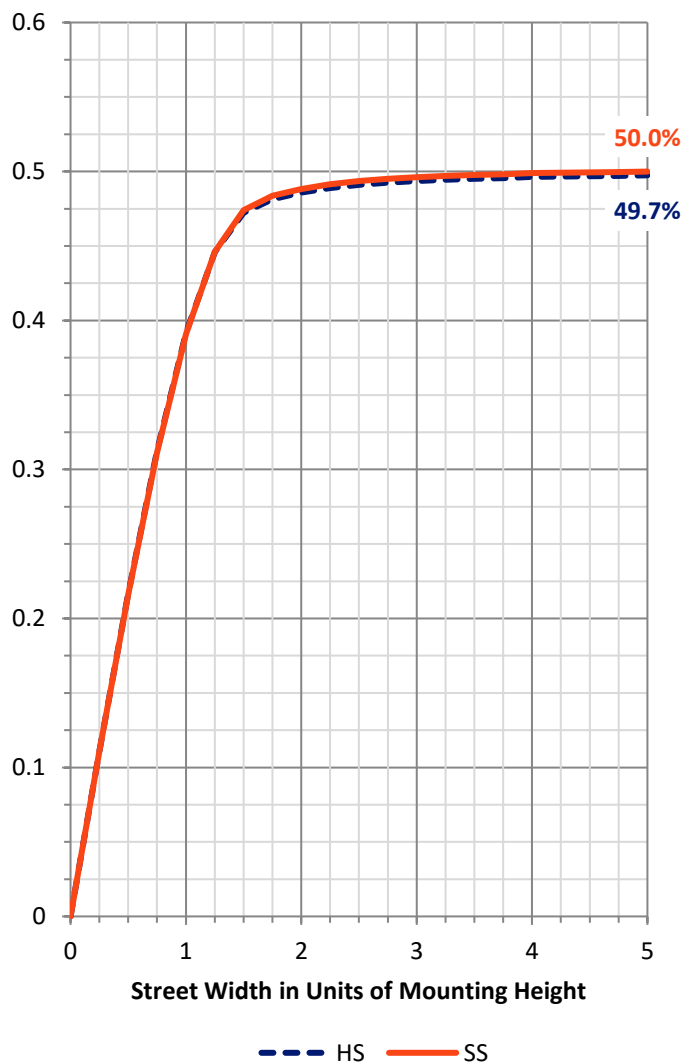
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21453.5	0.0	21453.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21453.5	0.0	21453.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42907.0	0.0	42907.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	704.7	1.6
10°-20°	2315.5	5.4
20°-30°	4408.4	10.3
30°-40°	7569.5	17.6
40°-50°	11634.6	27.1
50°-60°	11814.7	27.5
60°-70°	3292.6	7.7
70°-80°	971.3	2.3
80°-90°	195.6	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°	42907.0	100.0
0°-180°	42907.0	100.0

**Coefficient of Utilization**



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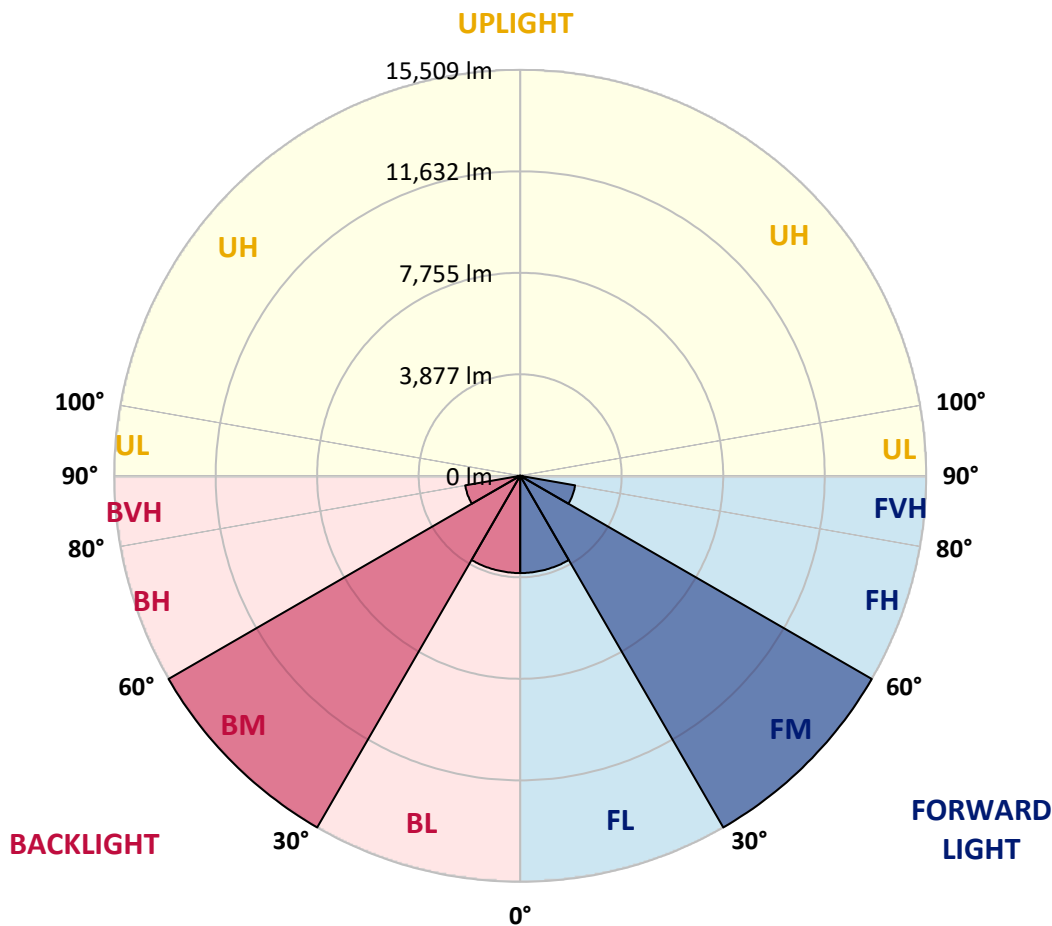
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3714.3	8.7			
FM (30°-60°)	15509.4	36.1			
FH (60°-80°)	2131.9	5.0			G2/5000
FVH (80°-90°)	97.8	0.2			G1/100
BL (0°-30°)	3714.3	8.7	B4/5000		
BM (30°-60°)	15509.4	36.1	B5		
BH (60°-80°)	2131.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	97.8	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°	7172.5	7172.5	7172.5	7172.5	7172.5	7172.5	7172.5	7172.5	7172.5	7172.5	7172.5
2.5°	7188.4	7113.9	7140.5	7156.5	7225.7	7220.4	7204.4	7225.7	7247.0	7252.3	7241.7
5°	7183.1	7129.9	7151.2	7167.1	7236.4	7273.6	7263.0	7353.5	7417.4	7401.4	7481.3
7.5°	7140.5	7172.5	7145.8	7225.7	7284.3	7374.8	7470.7	7555.9	7635.7	7726.2	7742.2
10°	7236.4	7236.4	7284.3	7348.2	7502.6	7571.8	7710.3	7832.7	7987.2	8093.7	8051.1
12.5°	7337.5	7353.5	7353.5	7518.6	7646.4	7800.8	7928.6	8093.7	8312.0	8439.8	8503.7
15°	7438.7	7449.4	7502.6	7726.2	7917.9	8162.9	8280.0	8429.1	8551.6	8791.2	8796.5
17.5°	7529.2	7587.8	7747.5	7997.8	8237.4	8471.7	8658.1	8812.5	8919.0	9014.8	8993.5
20°	7870.0	7912.6	8077.7	8327.9	8684.7	8913.7	8977.6	9004.2	9073.4	9265.1	9206.5
22.5°	8200.2	8216.1	8370.5	8753.9	9004.2	9307.7	9376.9	9361.0	9387.6	9435.5	9520.7
25°	8540.9	8567.6	8780.6	9105.4	9456.8	9818.9	9877.5	9755.0	9717.7	9771.0	9776.3
27.5°	8977.6	8982.9	9254.5	9536.7	9936.0	10276.8	10367.3	10271.5	10095.8	10138.4	10207.6
30°	9531.3	9494.1	9765.6	10170.3	10591.0	10782.7	10937.1	10889.2	10697.5	10660.2	10601.6
32.5°	10170.3	10181.0	10425.9	10867.9	11144.8	11464.2	11629.3	11549.4	11427.0	11363.1	11400.3
35°	11070.2	11118.1	11283.2	11650.6	12097.9	12257.6	12518.5	12348.2	12028.7	12108.5	12177.8
37.5°	11810.3	11948.8	12257.6	12694.3	12960.5	13253.4	13349.2	13120.2	12886.0	12790.1	13019.1
40°	12944.5	12901.9	13242.7	13679.3	14073.4	14366.2	14243.8	14014.8	13434.4	13439.7	13503.6
42.5°	13919.0	13940.3	14201.2	14723.0	15260.8	15441.8	15053.1	14494.0	13849.7	13780.5	13919.0
45°	14739.0	14824.2	14973.3	15670.8	16198.0	16395.0	15676.1	15015.9	14153.2	13865.7	14094.7
47.5°	15031.8	15170.3	15495.1	16134.1	16655.9	16815.6	16240.6	15292.8	14435.5	13966.9	14089.4
50°	15074.4	15026.5	15559.0	16144.7	16602.6	16948.8	16442.9	15495.1	14366.2	14121.3	14084.0
52.5°	13908.3	14142.6	14712.4	15516.4	16442.9	16996.7	16623.9	15606.9	14462.1	14185.2	14094.7
55°	11256.6	10979.7	12018.0	13370.5	15074.4	16613.3	16560.0	15665.5	14520.7	14291.7	14169.2
57.5°	6283.2	6363.1	6948.8	8418.5	10617.6	13173.5	14723.0	15047.8	14494.0	14360.9	14424.8
60°	2907.3	2934.0	3184.2	3871.1	5234.3	7470.7	9510.0	11581.4	12534.5	12726.2	12726.2
62.5°	2167.2	2156.5	2220.4	2342.9	2630.4	3434.5	4584.6	6230.0	7539.9	8455.7	8695.4
65°	1959.5	1954.2	1986.1	2028.7	2050.0	2161.9	2417.4	2923.3	3349.3	3594.2	3551.6
67.5°	1714.6	1709.3	1719.9	1746.5	1783.8	1842.4	1906.3	2012.8	2161.9	2151.2	2124.6
70°	1384.4	1384.4	1400.4	1421.7	1464.3	1533.5	1608.1	1682.6	1810.4	1837.0	1831.7
72.5°	1022.4	1006.4	1038.3	1080.9	1123.5	1208.7	1288.6	1357.8	1448.3	1475.0	1464.3
75°	649.6	660.3	681.6	729.5	804.0	862.6	947.8	1006.4	1065.0	1086.3	1091.6
77.5°	362.1	372.7	410.0	468.6	543.1	607.0	681.6	729.5	766.8	772.1	777.4
80°	218.3	223.6	260.9	314.2	378.1	447.3	505.9	553.8	585.7	569.8	564.4
82.5°	133.1	138.4	170.4	218.3	271.6	324.8	388.7	431.3	463.3	442.0	420.7
85°	69.2	74.5	101.2	133.1	175.7	202.3	202.3	181.0	175.7	165.1	159.7
87.5°	21.3	21.3	26.6	31.9	26.6	31.9	37.3	42.6	42.6	47.9	42.6
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)