

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: P651007

Luminaire Tested: **GALN-SA7C-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651007
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-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 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: 36084.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

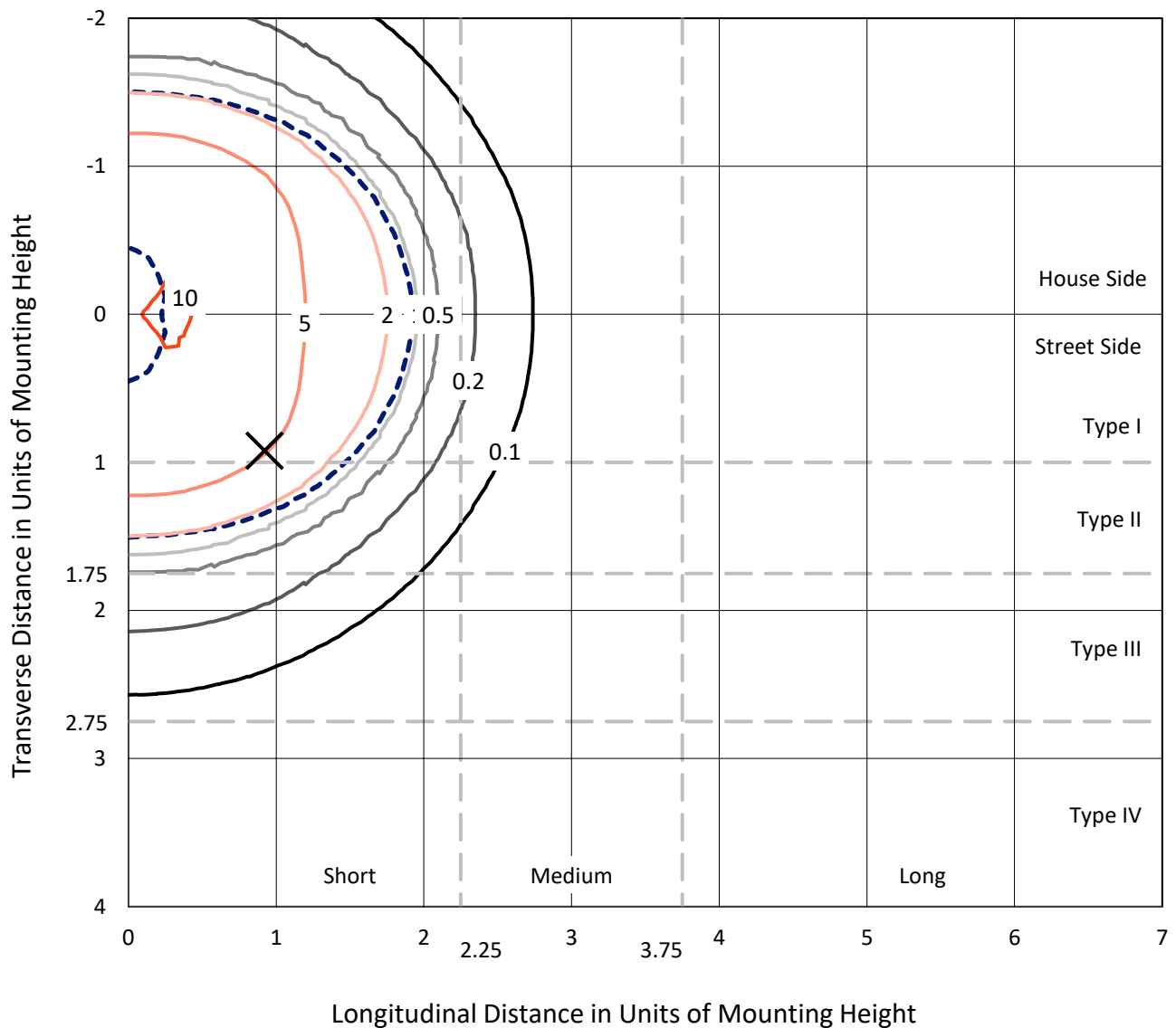
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

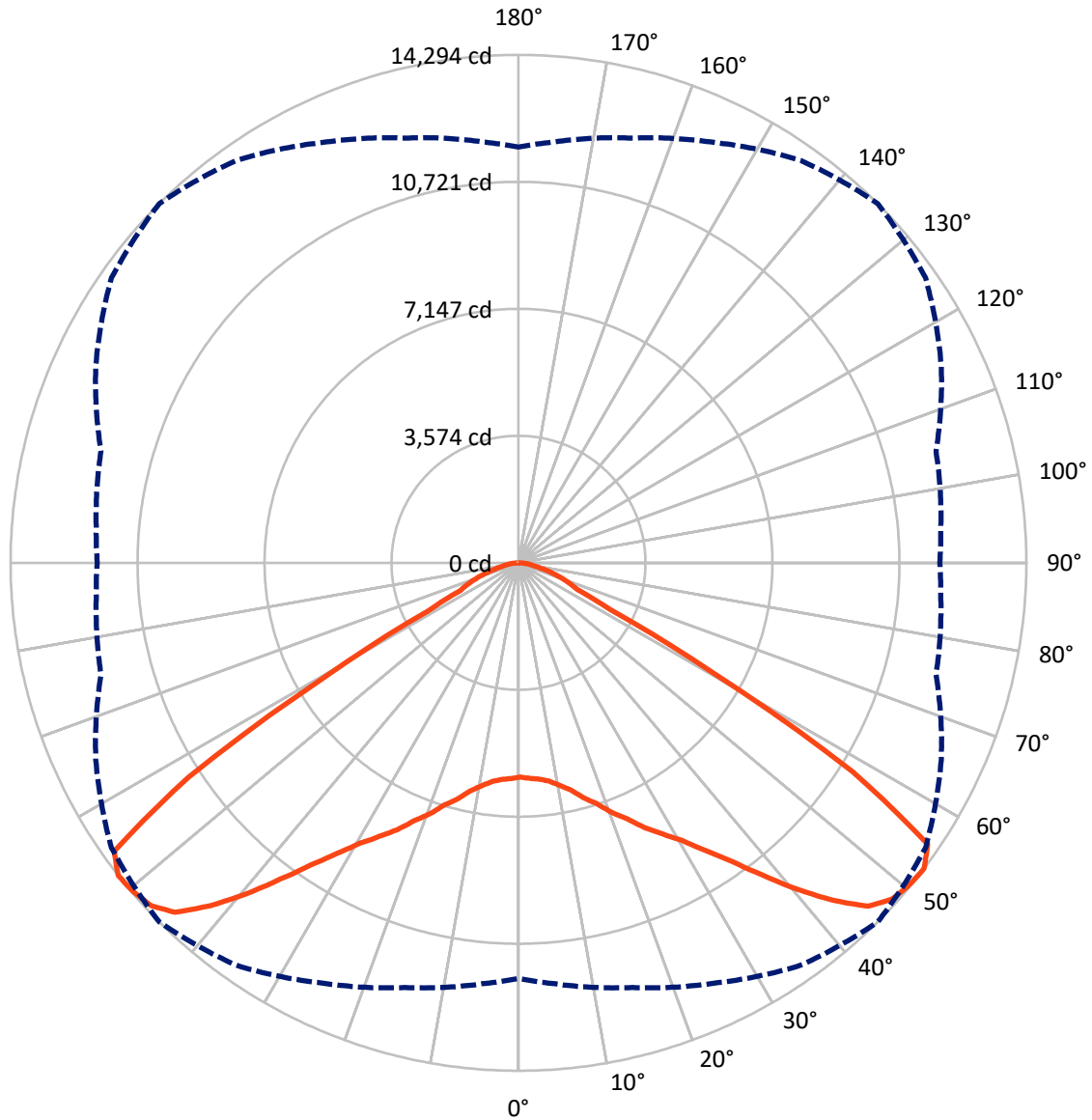
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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
House Side	Lumens	18042.4	0.0	18042.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18042.4	0.0	18042.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	36084.8	0.0	36084.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.6	1.6
10°-20°	1947.3	5.4
20°-30°	3707.5	10.3
30°-40°	6366.0	17.6
40°-50°	9784.7	27.1
50°-60°	9936.2	27.5
60°-70°	2769.1	7.7
70°-80°	816.8	2.3
80°-90°	164.5	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°	36084.8	100.0
0°-180°	36084.8	100.0

Coefficient of Utilization



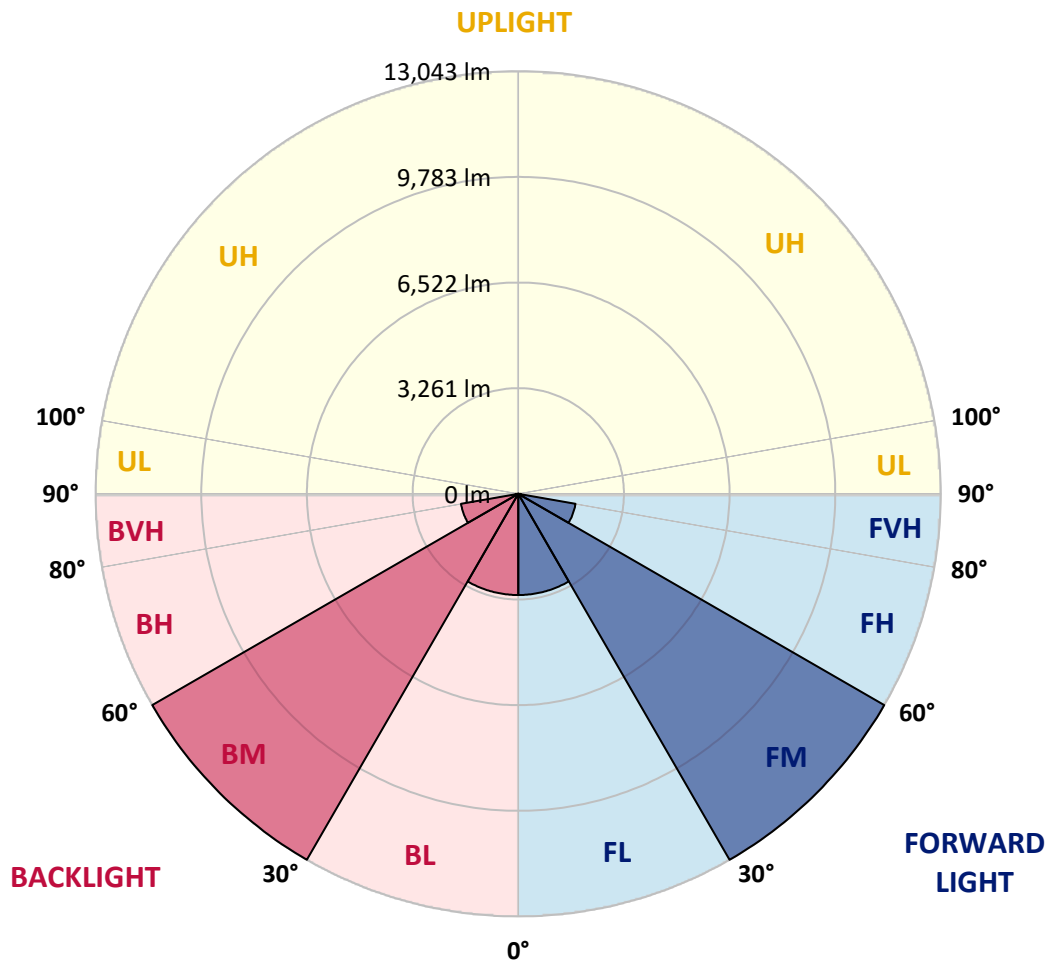
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3123.7	8.7			
FM (30°-60°)	13043.4	36.1			
FH (60°-80°)	1793.0	5.0			G1/1800
FVH (80°-90°)	82.3	0.2			G1/100
BL (0°-30°)	3123.7	8.7	B4/5000		
BM (30°-60°)	13043.4	36.1	B5		
BH (60°-80°)	1793.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	82.3	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6032.1	6032.1	6032.1	6032.1	6032.1	6032.1	6032.1	6032.1	6032.1	6032.1	6032.1
2.5°	6045.4	5982.8	6005.2	6018.6	6076.8	6072.4	6058.9	6076.8	6094.7	6099.2	6090.3
5°	6041.0	5996.2	6014.2	6027.5	6085.8	6117.1	6108.2	6184.3	6238.0	6224.6	6291.8
7.5°	6005.2	6032.1	6009.6	6076.8	6126.1	6202.2	6282.9	6354.5	6421.6	6497.7	6511.2
10°	6085.8	6085.8	6126.1	6179.8	6309.7	6367.9	6484.4	6587.3	6717.2	6806.8	6771.0
12.5°	6170.8	6184.3	6184.3	6323.1	6430.6	6560.5	6668.0	6806.8	6990.4	7097.9	7151.6
15°	6255.9	6264.9	6309.7	6497.7	6659.0	6865.0	6963.5	7088.9	7191.9	7393.4	7397.9
17.5°	6332.1	6381.3	6515.6	6726.1	6927.7	7124.7	7281.5	7411.3	7500.9	7581.4	7563.5
20°	6618.7	6654.5	6793.3	7003.8	7303.8	7496.4	7550.2	7572.5	7630.7	7791.9	7742.7
22.5°	6896.4	6909.7	7039.6	7362.0	7572.5	7827.8	7886.0	7872.6	7895.0	7935.3	8006.9
25°	7182.9	7205.4	7384.5	7657.6	7953.2	8257.7	8307.0	8204.0	8172.6	8217.4	8221.9
27.5°	7550.2	7554.6	7783.0	8020.4	8356.2	8642.8	8718.9	8638.3	8490.6	8526.4	8584.6
30°	8015.8	7984.5	8212.9	8553.2	8907.0	9068.3	9198.1	9157.8	8996.6	8965.2	8915.9
32.5°	8553.2	8562.2	8768.2	9139.9	9372.8	9641.4	9780.2	9713.0	9610.1	9556.4	9587.7
35°	9310.0	9350.3	9489.2	9798.2	10174.3	10308.6	10528.1	10384.8	10116.1	10183.2	10241.5
37.5°	9932.5	10048.9	10308.6	10675.9	10899.8	11146.1	11226.7	11034.1	10837.1	10756.5	10949.1
40°	10886.3	10850.5	11137.1	11504.3	11835.7	12082.0	11979.0	11786.4	11298.3	11302.8	11356.5
42.5°	11705.9	11723.8	11943.2	12382.0	12834.3	12986.6	12659.7	12189.5	11647.6	11589.4	11705.9
45°	12395.5	12467.2	12592.5	13179.1	13622.5	13788.2	13183.6	12628.4	11902.8	11661.1	11853.6
47.5°	12641.7	12758.2	13031.4	13568.8	14007.6	14141.9	13658.3	12861.2	12140.3	11746.2	11849.2
50°	12677.6	12637.3	13085.1	13577.7	13962.8	14253.9	13828.5	13031.4	12082.0	11876.0	11844.6
52.5°	11696.9	11893.9	12373.1	13049.3	13828.5	14294.2	13980.7	13125.4	12162.6	11929.8	11853.6
55°	9466.8	9233.9	10107.1	11244.6	12677.6	13971.8	13927.0	13174.7	12211.9	12019.3	11916.3
57.5°	5284.2	5351.4	5843.9	7080.0	8929.4	11078.9	12382.0	12655.2	12189.5	12077.5	12131.3
60°	2445.0	2467.5	2677.9	3255.6	4402.0	6282.9	7997.9	9740.0	10541.5	10702.7	10702.7
62.5°	1822.6	1813.6	1867.4	1970.4	2212.2	2888.4	3855.6	5239.4	6341.1	7111.2	7312.8
65°	1647.9	1643.5	1670.3	1706.1	1724.0	1818.2	2033.0	2458.5	2816.8	3022.7	2986.9
67.5°	1442.0	1437.5	1446.4	1468.8	1500.2	1549.5	1603.2	1692.8	1818.2	1809.2	1786.8
70°	1164.3	1164.3	1177.7	1195.6	1231.5	1289.7	1352.4	1415.1	1522.5	1544.9	1540.5
72.5°	859.8	846.4	873.2	909.0	944.9	1016.5	1083.7	1141.9	1218.0	1240.5	1231.5
75°	546.3	555.3	573.2	613.5	676.2	725.4	797.1	846.4	895.7	913.6	918.0
77.5°	304.5	313.4	344.8	394.1	456.7	510.5	573.2	613.5	644.9	649.3	653.8
80°	183.6	188.0	219.4	264.2	318.0	376.2	425.5	465.7	492.6	479.2	474.7
82.5°	111.9	116.4	143.3	183.6	228.4	273.2	326.9	362.7	389.6	371.7	353.8
85°	58.2	62.7	85.1	111.9	147.8	170.1	170.1	152.2	147.8	138.8	134.3
87.5°	17.9	17.9	22.4	26.8	22.4	26.8	31.4	35.8	35.8	40.3	35.8
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)