

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: P647040

Luminaire Tested: **GALN-SA7C-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647040
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-SA7C-835-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1050mA 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: 32528.2 lumens
Efficiency: N/A
Efficacy: 86.3 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

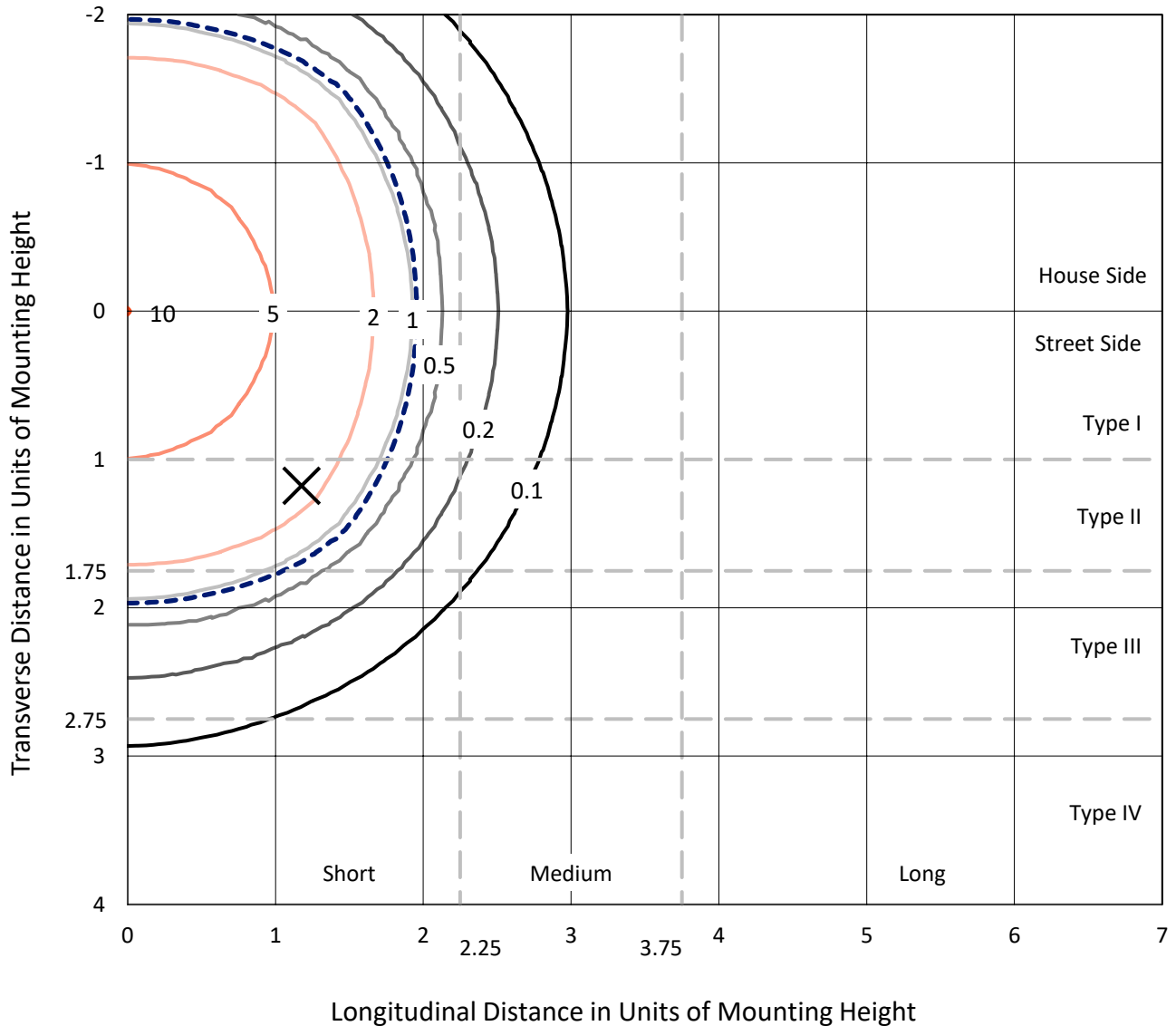
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

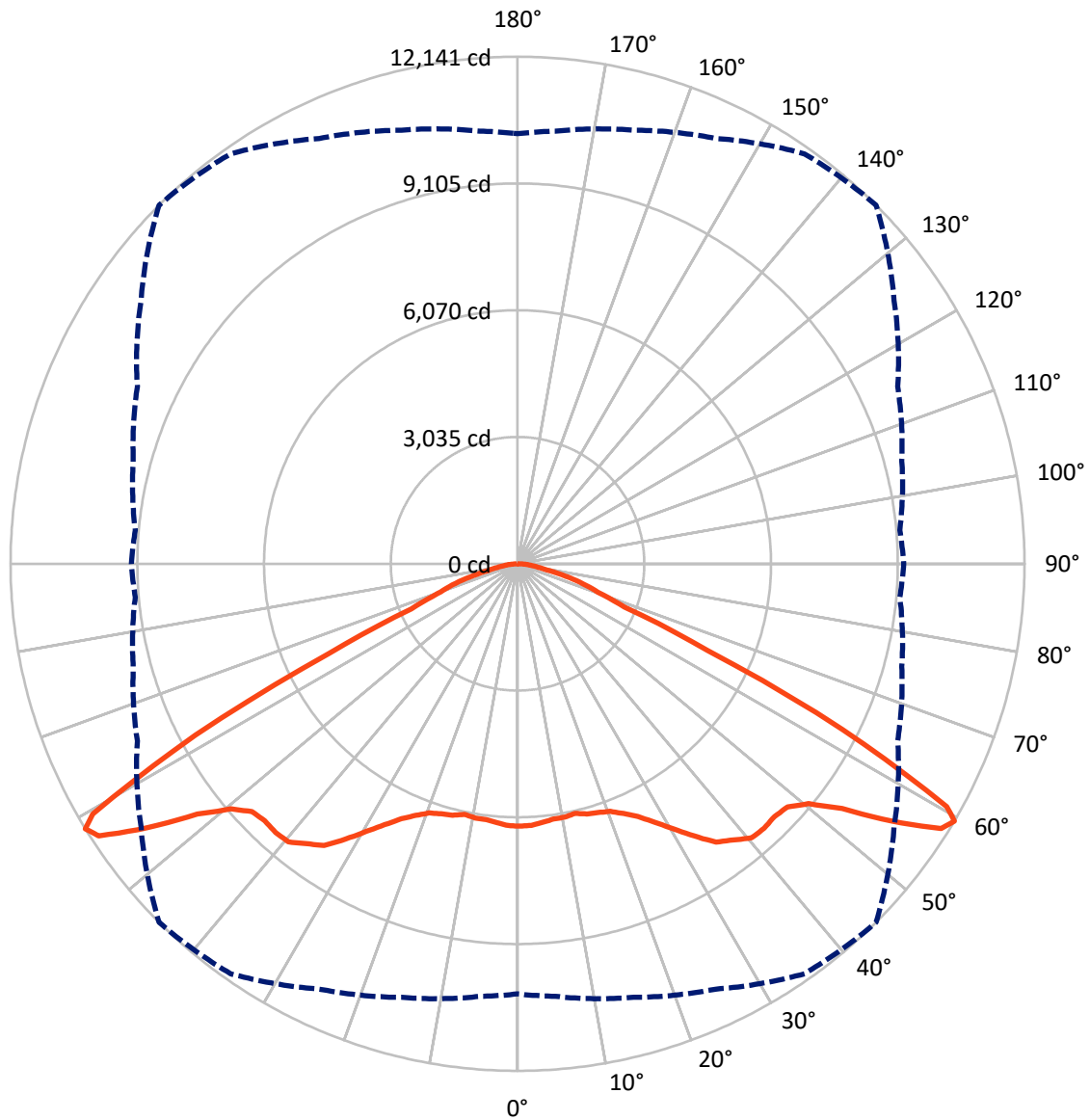
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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
House Side	Lumens	16264.1	0.0	16264.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16264.1	0.0	16264.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	32528.2	0.0	32528.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.3	1.8
10°-20°	1761.3	5.4
20°-30°	3075.5	9.5
30°-40°	4912.0	15.1
40°-50°	6691.1	20.6
50°-60°	9048.1	27.8
60°-70°	4962.0	15.3
70°-80°	1269.4	3.9
80°-90°	216.5	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°	32528.2	100.0
0°-180°	32528.2	100.0

Coefficient of Utilization



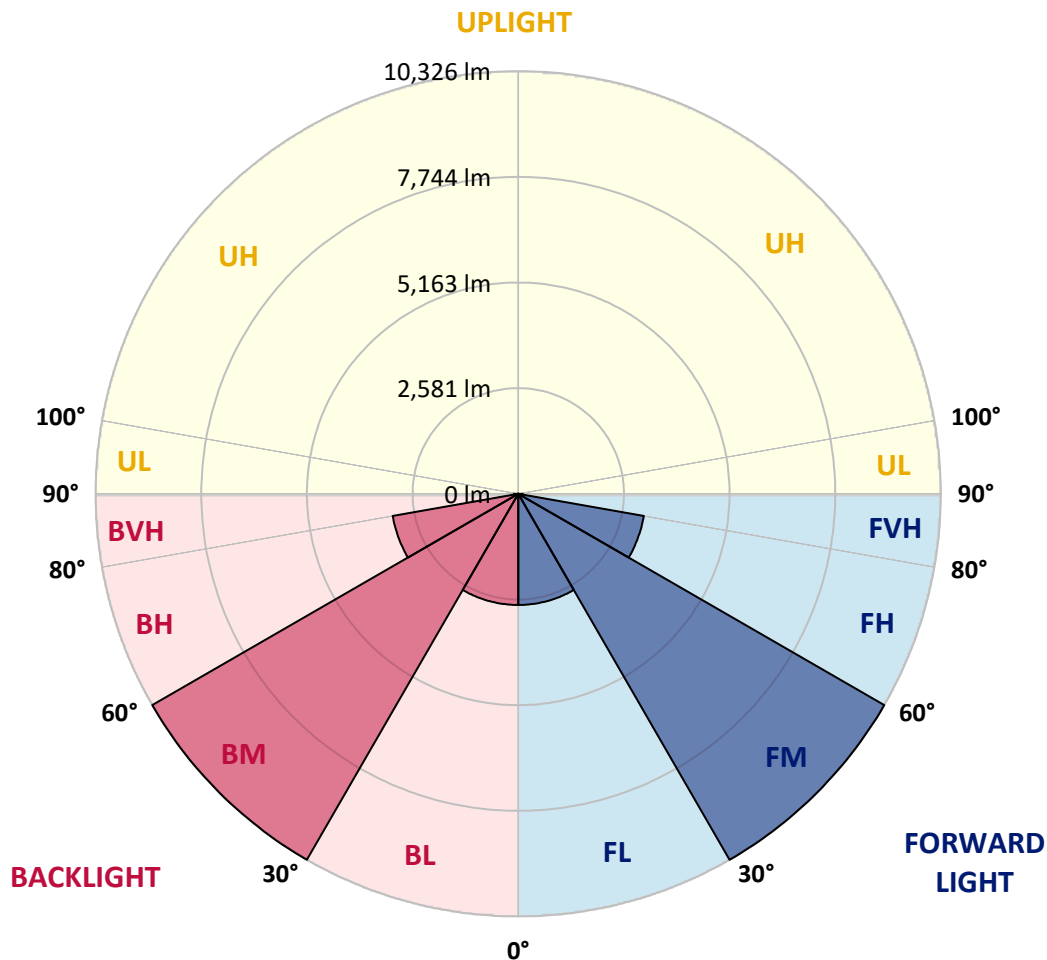
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2714.5	8.3			
FM (30°-60°)	10325.6	31.7			
FH (60°-80°)	3115.7	9.6			G2/5000
FVH (80°-90°)	108.3	0.3			G2/225
BL (0°-30°)	2714.5	8.3	B4/5000		
BM (30°-60°)	10325.6	31.7	B5		
BH (60°-80°)	3115.7	9.6	B4/5000		G2/5000
BVH (80°-90°)	108.3	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°	6282.9	6282.9	6282.9	6282.9	6282.9	6282.9	6282.9	6282.9	6282.9	6282.9	6282.9
2.5°	6245.4	6291.2	6257.9	6287.0	6282.9	6270.3	6249.5	6237.1	6220.4	6245.4	6203.7
5°	6220.4	6257.9	6295.4	6245.4	6245.4	6220.4	6207.9	6182.8	6182.8	6178.7	6174.5
7.5°	6262.0	6224.5	6207.9	6216.2	6224.5	6170.4	6207.9	6157.8	6116.1	6145.3	6178.7
10°	6224.5	6241.2	6178.7	6207.9	6162.0	6170.4	6145.3	6178.7	6132.8	6132.8	6132.8
12.5°	6262.0	6216.2	6237.1	6216.2	6203.7	6132.8	6166.1	6128.6	6124.5	6166.1	6128.6
15°	6337.1	6262.0	6245.4	6203.7	6216.2	6216.2	6182.8	6187.0	6141.1	6166.1	6174.5
17.5°	6312.1	6270.3	6257.9	6207.9	6249.5	6262.0	6199.5	6157.8	6187.0	6182.8	6178.7
20°	6332.9	6349.6	6337.1	6345.4	6362.1	6328.8	6270.3	6212.0	6174.5	6228.7	6224.5
22.5°	6466.3	6449.6	6441.3	6433.0	6462.2	6495.5	6416.3	6324.6	6324.6	6362.1	6378.8
25°	6574.7	6570.5	6566.4	6603.9	6704.0	6704.0	6603.9	6487.2	6458.0	6483.0	6462.2
27.5°	6733.2	6779.0	6762.3	6829.0	6975.0	7008.3	6874.9	6737.3	6658.1	6629.0	6666.5
30°	7095.9	7041.7	7054.2	7125.1	7254.3	7362.7	7158.4	7012.5	6904.1	6900.0	6916.6
32.5°	7337.6	7379.4	7416.9	7483.6	7687.9	7771.3	7525.3	7287.6	7220.9	7183.4	7195.9
35°	7821.3	7783.8	7775.4	7842.1	8046.4	8184.0	7875.5	7667.1	7579.5	7662.9	7662.9
37.5°	8279.9	8175.7	8096.5	8184.0	8371.6	8388.3	8125.7	8013.1	7967.2	8063.1	8058.9
40°	8496.7	8488.3	8304.9	8354.9	8605.1	8630.1	8384.1	8250.7	8242.4	8367.5	8492.5
42.5°	8721.8	8642.6	8459.1	8492.5	8646.7	8655.1	8421.6	8384.1	8475.8	8596.8	8605.1
45°	8759.3	8692.6	8575.9	8492.5	8605.1	8630.1	8492.5	8517.6	8525.9	8671.8	8671.8
47.5°	8834.4	8826.1	8759.3	8696.8	8717.7	8696.8	8609.2	8646.7	8771.9	8842.7	8809.4
50°	9042.9	8955.3	9022.0	8967.8	8972.0	9030.3	8951.1	8988.7	8963.6	8901.1	8859.4
52.5°	9501.5	9459.7	9518.1	9555.7	9597.4	9730.7	9639.0	9438.9	9251.3	9084.5	9080.4
55°	10172.7	10201.9	10314.5	10506.2	10668.8	10881.4	10439.5	9960.1	9659.9	9397.3	9413.9
57.5°	10806.4	10785.6	10939.8	11377.5	11852.8	11961.3	11094.1	10410.3	9922.6	9755.8	9684.9
59°	10297.8	10397.8	10748.0	11235.8	11982.1	12140.5	11006.6	10043.5	9526.4	9188.7	9247.2
60°	9497.3	9534.8	9847.5	10527.0	11536.0	11807.0	10418.7	9476.4	8788.5	8592.6	8680.1
62.5°	6712.3	6683.1	6908.3	7462.8	8367.5	8734.4	7746.2	7083.3	6649.8	6433.0	6483.0
65°	3568.8	3702.2	3793.9	4140.0	4619.4	5007.1	4598.6	4310.9	4069.1	3889.8	3885.6
67.5°	2409.8	2393.1	2413.9	2493.2	2655.7	2764.1	2755.8	2609.9	2589.1	2555.7	2593.2
70°	2030.4	2022.0	1984.5	1984.5	2017.9	2042.8	2072.1	2088.7	2122.1	2163.7	2159.6
72.5°	1646.8	1626.0	1600.9	1588.5	1630.1	1642.7	1680.2	1696.8	1726.0	1721.8	1759.4
75°	1088.1	1088.1	1117.3	1150.7	1163.2	1188.2	1192.4	1242.4	1242.4	1250.8	1217.4
77.5°	608.7	592.0	612.9	646.2	675.4	721.2	767.1	804.6	825.5	817.1	817.1
80°	354.4	354.4	375.2	412.7	450.3	492.0	525.3	554.5	575.3	567.0	550.3
82.5°	221.0	221.0	241.8	279.3	308.5	333.6	379.4	416.9	441.9	433.6	412.7
85°	112.6	112.6	137.6	162.6	200.1	216.8	212.7	196.0	191.8	170.9	170.9
87.5°	29.2	29.2	41.7	45.9	37.5	41.7	41.7	41.7	41.7	41.7	45.9
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)