

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: P532306

Luminaire Tested: **GALN-SA7C-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35049 lumens
Efficiency: N/A
Efficacy: 93.0 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

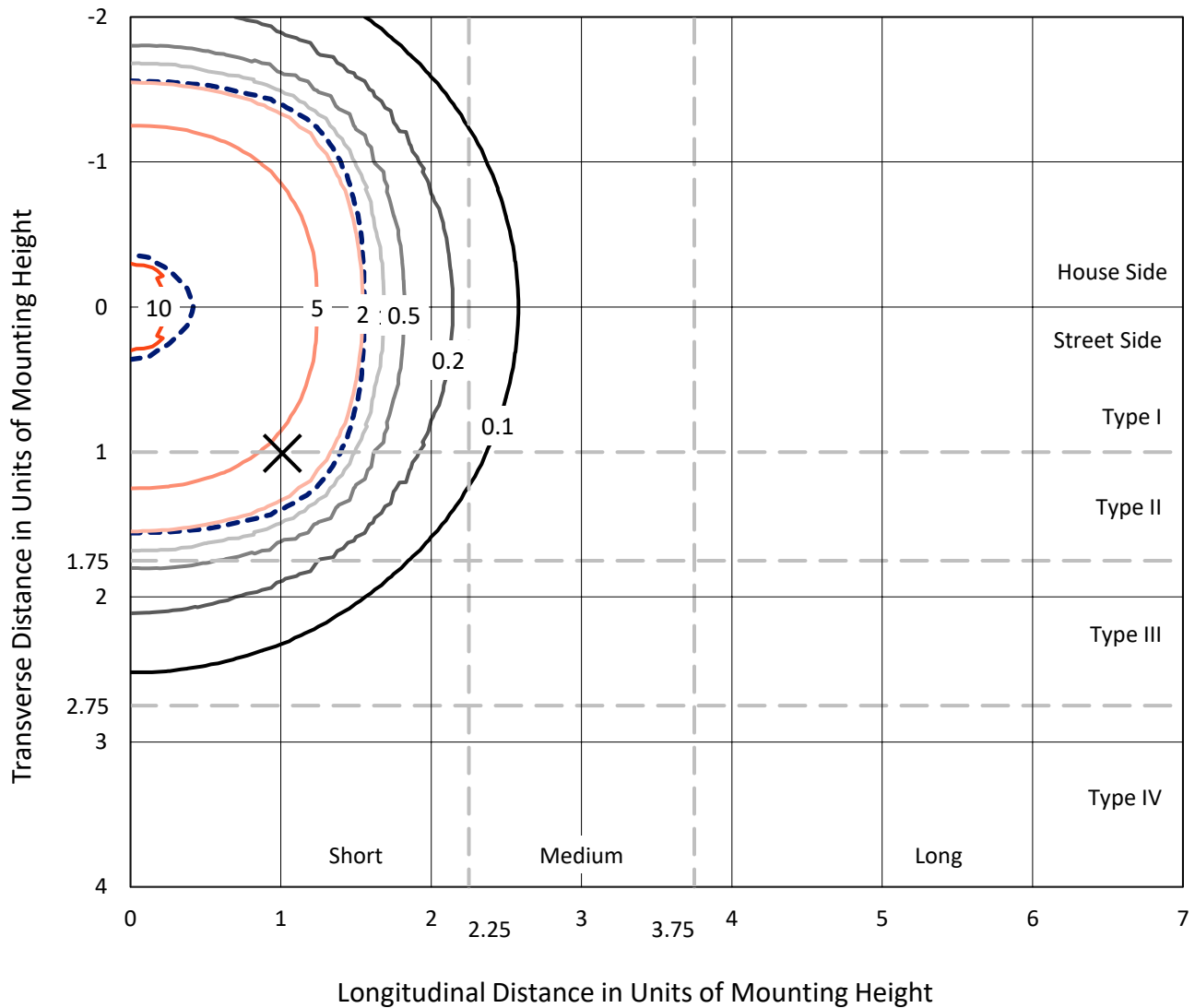


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Iso-Footcandle Lines of Horizontal Illumination

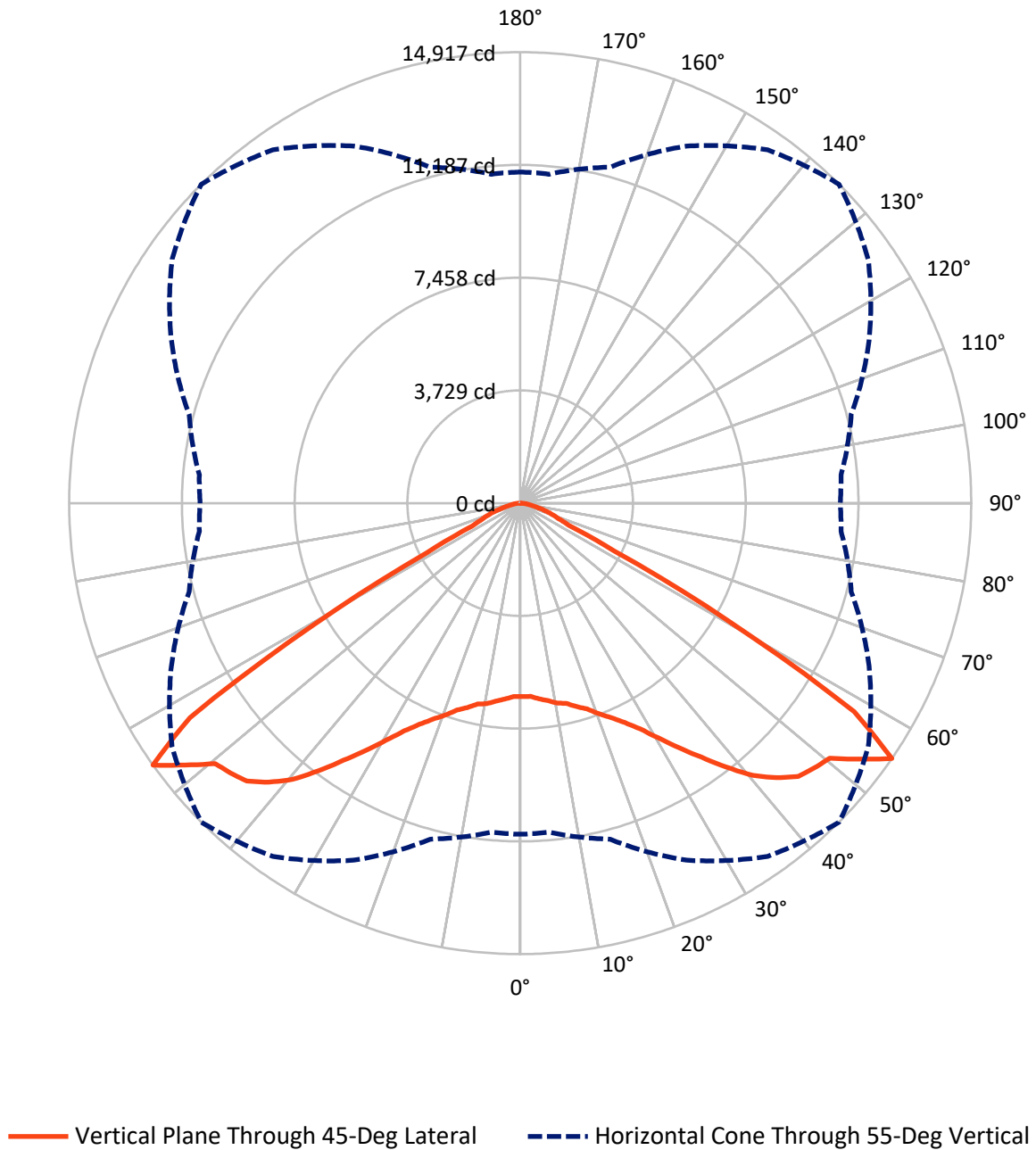
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17524.5	0.0	17524.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17524.5	0.0	17524.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35049.0	0.0	35049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.2	1.8
10°-20°	1980.8	5.7
20°-30°	3693.6	10.5
30°-40°	6184.3	17.6
40°-50°	9623.3	27.5
50°-60°	9992.0	28.5
60°-70°	2119.0	6.0
70°-80°	697.9	2.0
80°-90°	132.9	0.4
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°	35049.0	100.0
0°-180°	35049.0	100.0

Coefficient of Utilization



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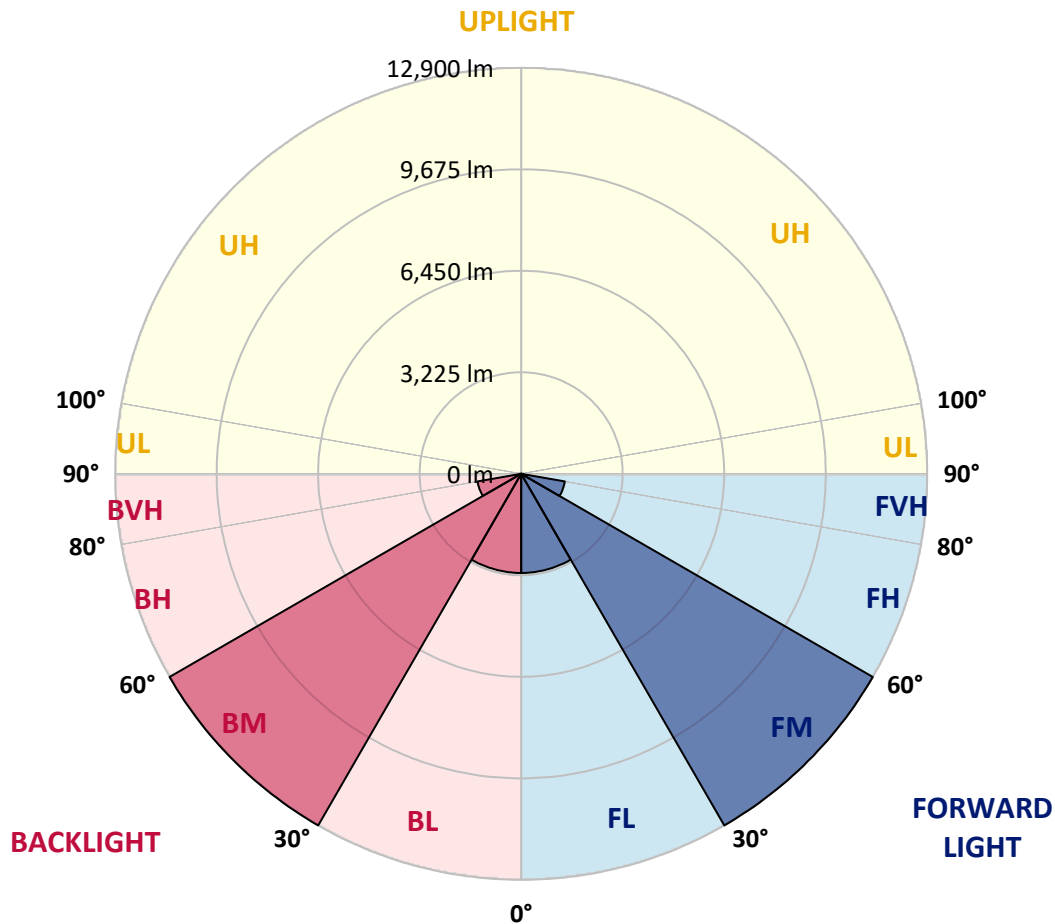
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3149.8	9.0			
FM	(30°-60°)	12899.8	36.8			
FH	(60°-80°)	1408.4	4.0			G1/1800
FVH	(80°-90°)	66.5	0.2			G1/100
BL	(0°-30°)	3149.8	9.0	B4/5000		
BM	(30°-60°)	12899.8	36.8	B5		
BH	(60°-80°)	1408.4	4.0	B3/2500		G1/1800
BVH	(80°-90°)	66.5	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°	6399.4	6399.4	6399.4	6399.4	6399.4	6399.4	6399.4	6399.4	6399.4	6399.4	6399.4
2.5°	6475.7	6446.0	6395.2	6433.3	6463.0	6399.4	6424.8	6437.5	6429.1	6395.2	6407.9
5°	6568.8	6551.9	6509.5	6539.2	6501.1	6501.1	6475.7	6441.8	6492.6	6484.1	6505.3
7.5°	6568.8	6547.7	6632.4	6577.3	6594.2	6594.2	6551.9	6518.0	6543.4	6505.3	6484.1
10°	6700.1	6729.8	6691.7	6704.4	6695.9	6725.5	6662.0	6640.8	6619.7	6607.0	6581.5
12.5°	6856.8	6835.7	6848.4	6839.9	6869.5	6793.3	6755.2	6708.6	6746.7	6691.7	6729.8
15°	6983.9	6971.2	6983.9	7017.8	6988.1	6983.9	6916.1	6869.5	6810.2	6822.9	6763.7
17.5°	7157.5	7144.8	7149.1	7178.7	7174.5	7153.3	7102.5	7013.5	6992.4	6958.5	6920.4
20°	7415.9	7394.7	7386.2	7398.9	7420.1	7437.1	7335.4	7301.5	7229.5	7174.5	7110.9
22.5°	7636.1	7627.6	7661.5	7606.5	7653.1	7703.9	7606.5	7589.5	7411.6	7382.0	7314.2
25°	7941.0	7928.3	7907.2	7987.6	8042.7	8038.5	7945.3	7852.1	7716.6	7682.7	7682.7
27.5°	8262.9	8190.9	8301.0	8322.2	8419.6	8449.3	8368.8	8233.3	8106.2	8034.2	8051.2
30°	8665.3	8597.5	8622.9	8775.4	8902.4	9012.6	8809.3	8610.2	8432.3	8305.3	8284.1
32.5°	9067.6	8999.9	9076.1	9224.3	9478.4	9643.6	9444.6	9097.3	8889.7	8703.4	8741.5
35°	9393.7	9444.6	9567.4	9791.8	10054.4	10321.2	10003.6	9736.8	9440.3	9232.8	9262.4
37.5°	9918.9	10075.6	10173.0	10431.4	10804.1	11079.3	10749.0	10401.7	10084.1	9813.0	9719.8
40°	10605.0	10710.9	10821.0	11125.9	11566.4	11841.7	11528.3	11075.1	10761.7	10482.2	10469.5
42.5°	11358.9	11460.5	11574.9	11947.6	12210.2	12417.7	12129.7	11888.3	11541.0	11320.8	11308.1
45°	12235.6	12163.6	12290.6	12536.3	12756.5	12892.0	12705.7	12587.1	12337.2	12133.9	12112.7
47.5°	12820.0	12756.5	12985.2	13205.4	13239.3	13091.1	13129.2	13239.3	12976.7	12642.1	12748.0
50°	13158.8	13158.8	13311.3	13514.6	13451.1	13260.5	13561.2	13569.7	13307.1	13010.6	13010.6
52.5°	12570.1	12701.4	13133.4	13798.4	14010.1	14065.2	13997.4	13709.4	13023.3	12417.7	12388.0
55°	10952.3	10922.6	11507.1	13031.8	14264.2	14916.5	14052.5	12726.9	11333.5	10651.6	10583.8
57.5°	7123.6	7157.5	8030.0	9584.3	11807.8	13023.3	11566.4	9702.9	8030.0	7089.8	7178.7
60°	3206.1	3320.4	3849.8	5010.3	6920.4	7911.4	6937.3	5264.4	4040.4	3506.8	3553.4
62.5°	1842.3	1863.5	1884.7	2236.2	2947.7	3485.6	3062.1	2363.3	2083.7	1990.6	1990.6
65°	1554.3	1541.6	1545.9	1575.5	1651.7	1761.9	1715.3	1651.7	1660.2	1651.7	1639.0
67.5°	1321.4	1338.3	1325.6	1346.8	1351.0	1368.0	1397.6	1423.0	1427.3	1435.7	1427.3
70°	1084.2	1088.5	1096.9	1113.9	1118.1	1130.8	1173.2	1194.3	1207.0	1207.0	1224.0
72.5°	830.1	825.9	834.3	851.3	872.5	876.7	914.8	944.5	961.4	940.2	944.5
75°	546.3	550.6	563.3	576.0	605.6	635.3	648.0	677.6	681.9	690.3	669.2
77.5°	326.1	334.6	347.3	372.7	398.1	423.5	453.2	474.3	482.8	474.3	448.9
80°	211.8	211.8	228.7	249.9	279.5	300.7	317.6	334.6	347.3	334.6	326.1
82.5°	131.3	131.3	152.5	177.9	199.1	211.8	237.2	258.3	271.1	262.6	249.9
85°	67.8	72.0	88.9	110.1	127.1	135.5	131.3	118.6	105.9	101.6	93.2
87.5°	21.2	21.2	25.4	25.4	21.2	21.2	25.4	21.2	25.4	25.4	25.4
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)