

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: STREETWORKS

Report Number: P531706

Luminaire Tested: **GLAN-SA7A-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26191 lumens
Efficiency: N/A
Efficacy: 121.8 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

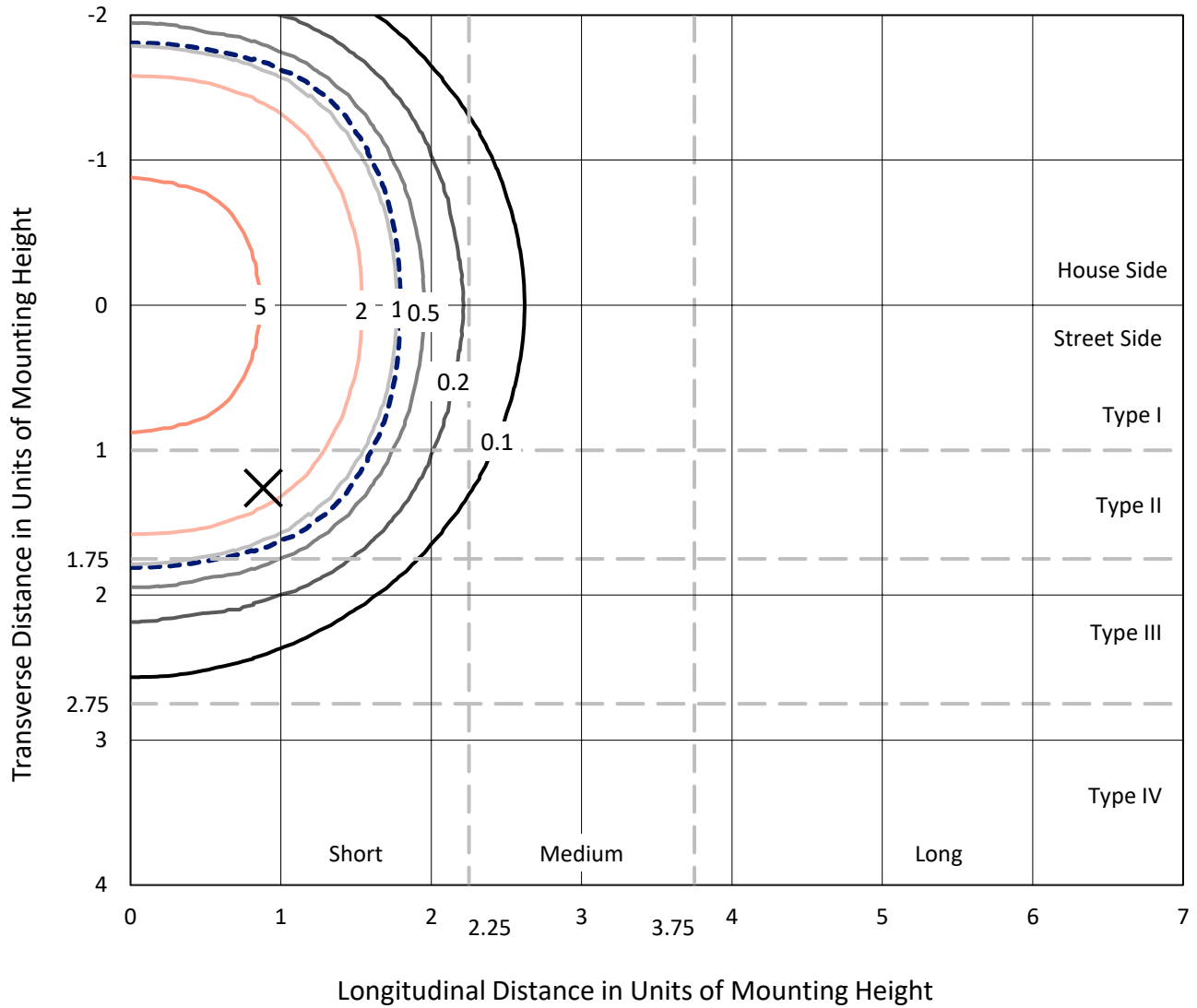
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

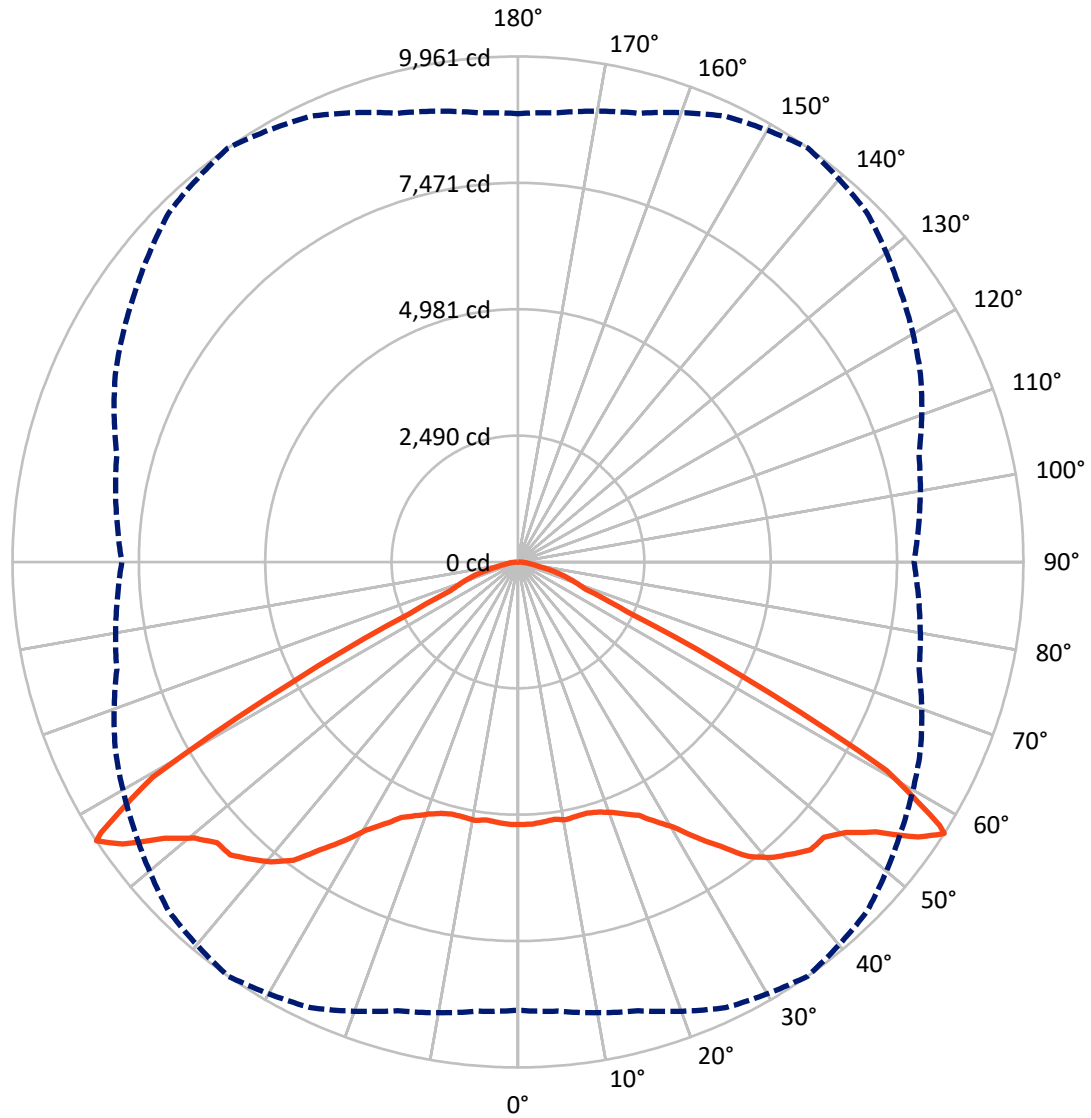
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13095.5	0.0	13095.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13095.5	0.0	13095.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26191.0	0.0	26191.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.4	1.9
10°-20°	1452.3	5.5
20°-30°	2536.5	9.7
30°-40°	4156.1	15.9
40°-50°	6093.9	23.3
50°-60°	7675.8	29.3
60°-70°	2886.8	11.0
70°-80°	767.6	2.9
80°-90°	131.6	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°	26191.0	100.0
0°-180°	26191.0	100.0

Coefficient of Utilization



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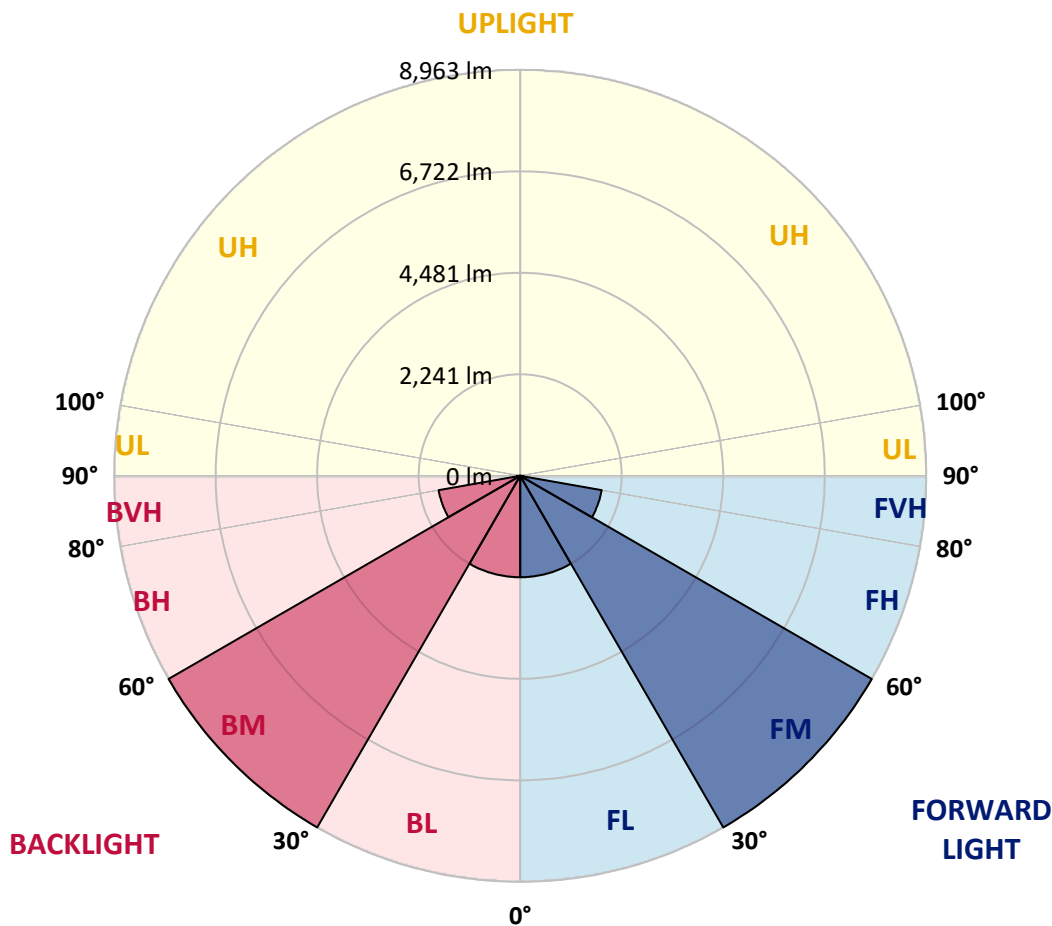
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2239.6	8.6			
FM (30°-60°)	8962.9	34.2			
FH (60°-80°)	1827.2	7.0			G2/5000
FVH (80°-90°)	65.8	0.3			G1/100
BL (0°-30°)	2239.6	8.6	B3/2500		
BM (30°-60°)	8962.9	34.2	B5		
BH (60°-80°)	1827.2	7.0	B3/2500		G2/5000
BVH (80°-90°)	65.8	0.3			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°	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5
2.5°	5146.7	5198.3	5175.8	5162.8	5172.5	5156.4	5130.6	5159.6	5153.2	5127.4	5117.7
5°	5133.8	5172.5	5146.7	5172.5	5146.7	5191.9	5179.0	5130.6	5188.7	5133.8	5153.2
7.5°	5124.1	5137.0	5143.5	5130.6	5120.9	5175.8	5146.7	5124.1	5091.9	5082.2	5098.3
10°	5101.5	5133.8	5085.4	5149.9	5162.8	5124.1	5124.1	5082.2	5056.4	5040.2	5095.1
12.5°	5159.6	5104.8	5098.3	5130.6	5140.3	5156.4	5111.2	5088.6	5040.2	5046.7	5037.0
15°	5091.9	5114.4	5117.7	5124.1	5133.8	5172.5	5130.6	5082.2	5062.8	4995.1	5001.5
17.5°	5117.7	5095.1	5117.7	5191.9	5179.0	5208.0	5162.8	5088.6	5043.5	5004.7	5056.4
20°	5162.8	5153.2	5162.8	5253.2	5269.3	5295.1	5256.4	5188.7	5101.5	5056.4	5082.2
22.5°	5211.3	5204.8	5211.3	5298.4	5392.0	5424.2	5385.5	5227.4	5182.2	5098.3	5069.3
25°	5298.4	5304.8	5372.6	5469.4	5530.7	5592.0	5521.0	5408.1	5262.9	5211.3	5149.9
27.5°	5492.0	5508.1	5546.8	5688.8	5795.3	5850.2	5750.1	5595.2	5504.9	5398.4	5382.3
30°	5730.8	5730.8	5798.5	5921.1	6066.3	6150.2	6027.6	5843.7	5734.0	5675.9	5640.4
32.5°	6047.0	6011.5	6037.3	6253.5	6479.4	6550.4	6385.8	6159.9	5985.7	5908.2	5882.4
35°	6318.0	6340.6	6398.7	6631.0	6882.7	7047.3	6789.1	6495.5	6318.0	6247.0	6234.1
37.5°	6669.8	6708.5	6737.5	7057.0	7360.3	7421.6	7173.1	6937.6	6721.4	6663.3	6631.0
40°	7166.7	7140.9	7150.5	7386.1	7660.4	7699.1	7453.9	7286.1	7108.6	7073.1	7073.1
42.5°	7576.5	7547.4	7579.7	7666.8	7876.6	7847.5	7712.0	7589.4	7515.2	7476.5	7515.2
45°	7824.9	7818.5	7876.6	7941.1	8089.5	7992.7	7886.3	7905.6	7834.6	7770.1	7766.9
47.5°	8096.0	8054.0	8125.0	8221.8	8108.9	8063.7	8057.3	8099.2	8076.6	7963.7	7928.2
50°	8228.3	8212.2	8325.1	8438.0	8376.7	8273.5	8296.1	8363.8	8073.4	7921.7	7834.6
52.5°	8583.2	8586.5	8802.7	8864.0	8838.2	8686.5	8734.9	8551.0	8208.9	7996.0	8005.6
55°	9141.5	9118.9	9360.9	9541.6	9570.6	9377.0	9144.7	8886.6	8457.4	8241.2	8176.7
57°	8834.9	8886.6	9154.4	9690.0	9961.1	9732.0	9225.4	8754.3	8183.1	7921.7	7805.6
57.5°	8425.1	8509.0	8973.7	9512.5	9796.5	9777.1	9125.3	8509.0	7999.2	7592.6	7602.3
60°	6172.8	6189.0	6608.4	7463.5	8350.9	8370.3	7576.5	6760.1	6192.2	5750.1	5811.4
62.5°	3255.8	3330.0	3497.8	4185.1	4953.1	5140.3	4659.5	4240.0	3749.5	3413.9	3446.2
65°	1723.1	1713.4	1794.1	1987.7	2365.2	2462.0	2397.5	2065.1	1894.1	1839.3	1842.5
67.5°	1400.4	1416.6	1406.9	1416.6	1442.4	1484.3	1474.6	1487.5	1497.2	1513.4	1510.1
70°	1187.5	1187.5	1193.9	1197.1	1197.1	1216.5	1239.1	1281.0	1284.3	1300.4	1306.8
72.5°	935.8	929.3	939.0	961.6	964.8	980.9	1013.2	1039.0	1048.7	1048.7	1029.3
75°	635.7	642.1	655.0	674.4	693.8	722.8	748.6	764.7	771.2	761.5	751.8
77.5°	358.2	364.6	374.3	403.3	425.9	451.7	480.8	496.9	513.1	516.3	496.9
80°	213.0	213.0	229.1	251.7	277.5	303.3	329.1	348.5	354.9	354.9	345.3
82.5°	129.1	132.3	145.2	167.8	190.4	206.5	229.1	245.2	258.1	254.9	248.5
85°	67.8	67.8	80.7	100.0	116.2	132.3	132.3	122.6	116.2	100.0	93.6
87.5°	22.6	19.4	25.8	25.8	22.6	25.8	25.8	29.0	29.0	29.0	29.0
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)