

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: P534180

Luminaire Tested: **GLAN-SA9C-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534180
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: STREETWORKS
Catalog Number: GLAN-SA9C-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 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: 42967 lumens
Efficiency: N/A
Efficacy: 89.3 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

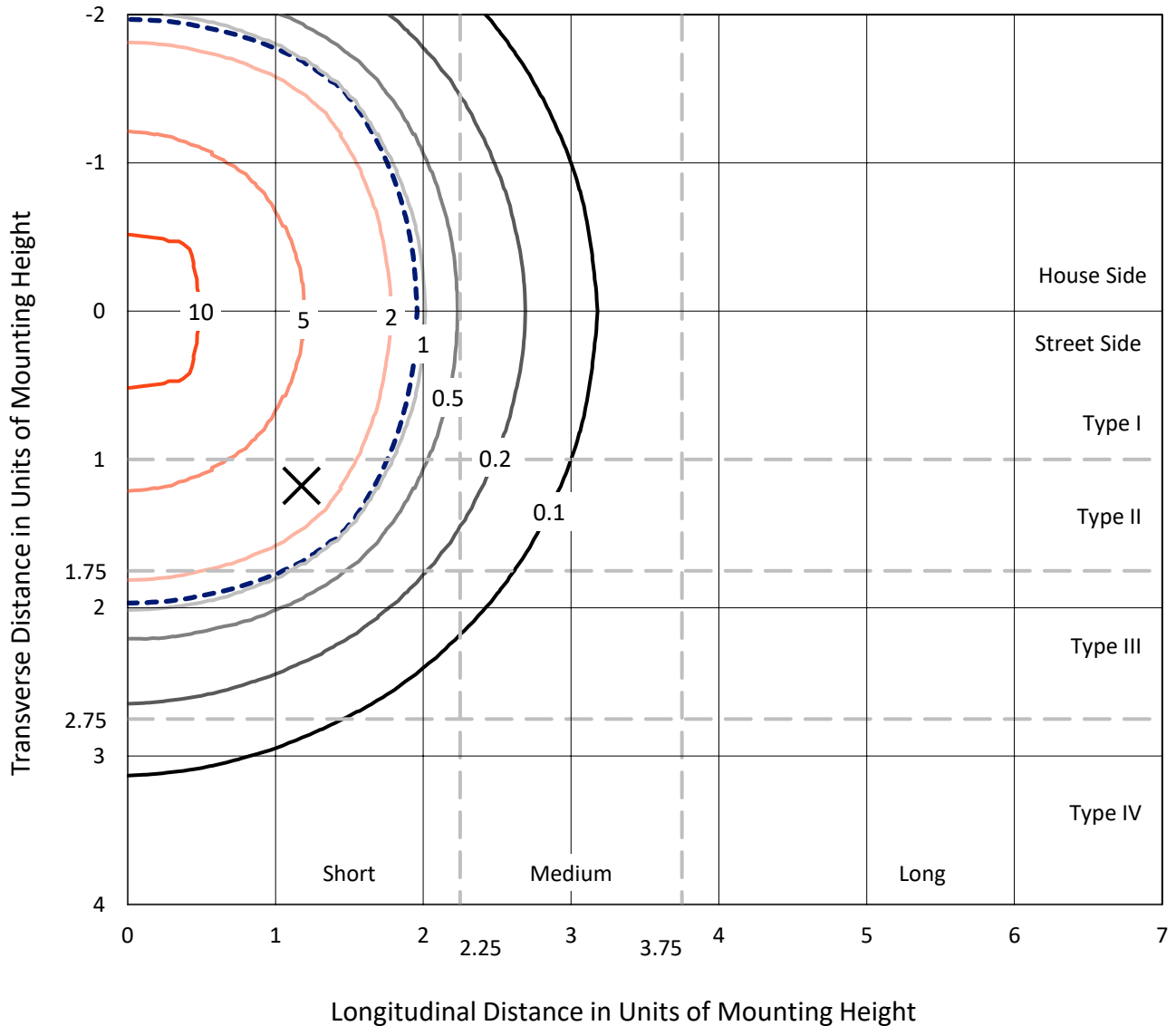
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

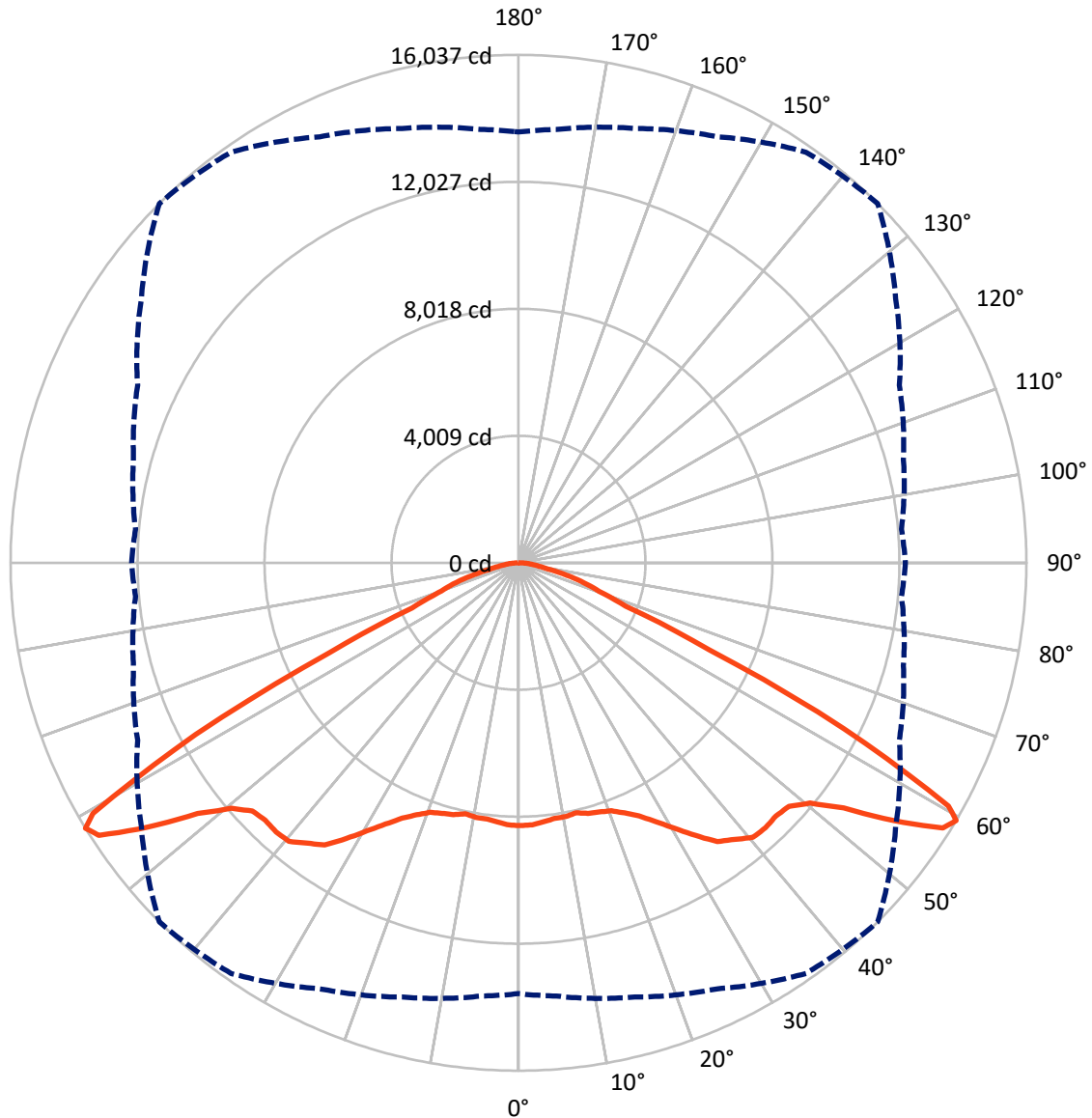
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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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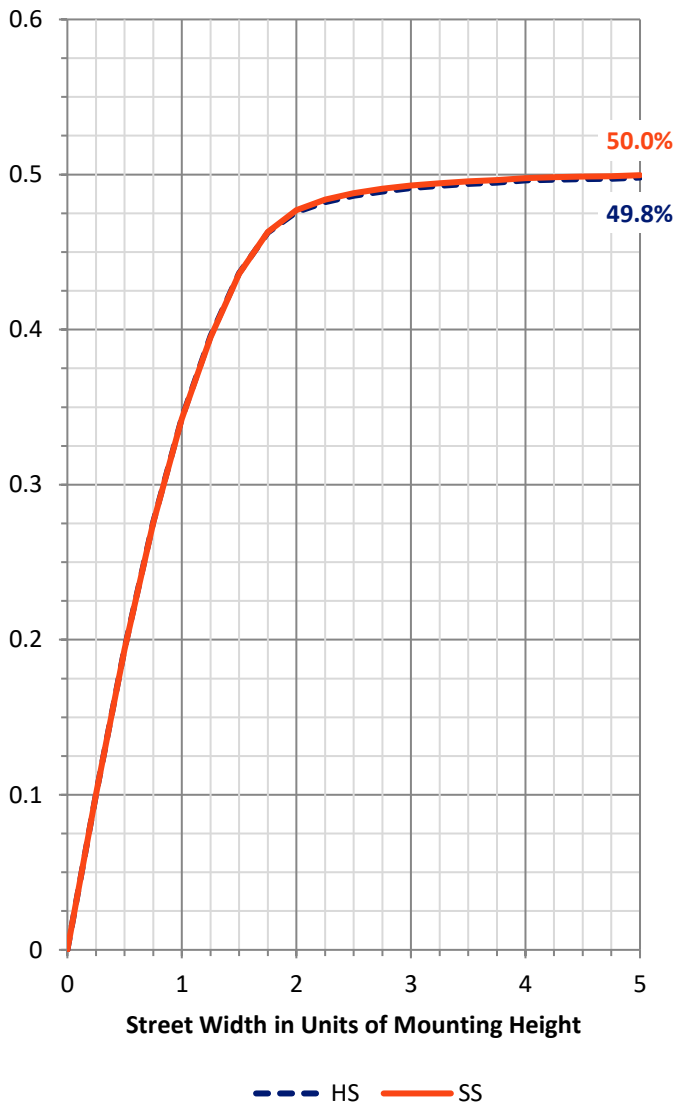
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21483.5	0.0	21483.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21483.5	0.0	21483.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42967.0	0.0	42967.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.3	1.8
10°-20°	2326.6	5.4
20°-30°	4062.4	9.5
30°-40°	6488.3	15.1
40°-50°	8838.4	20.6
50°-60°	11951.8	27.8
60°-70°	6554.4	15.3
70°-80°	1676.8	3.9
80°-90°	286.0	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°	42967.0	100.0
0°-180°	42967.0	100.0

Coefficient of Utilization



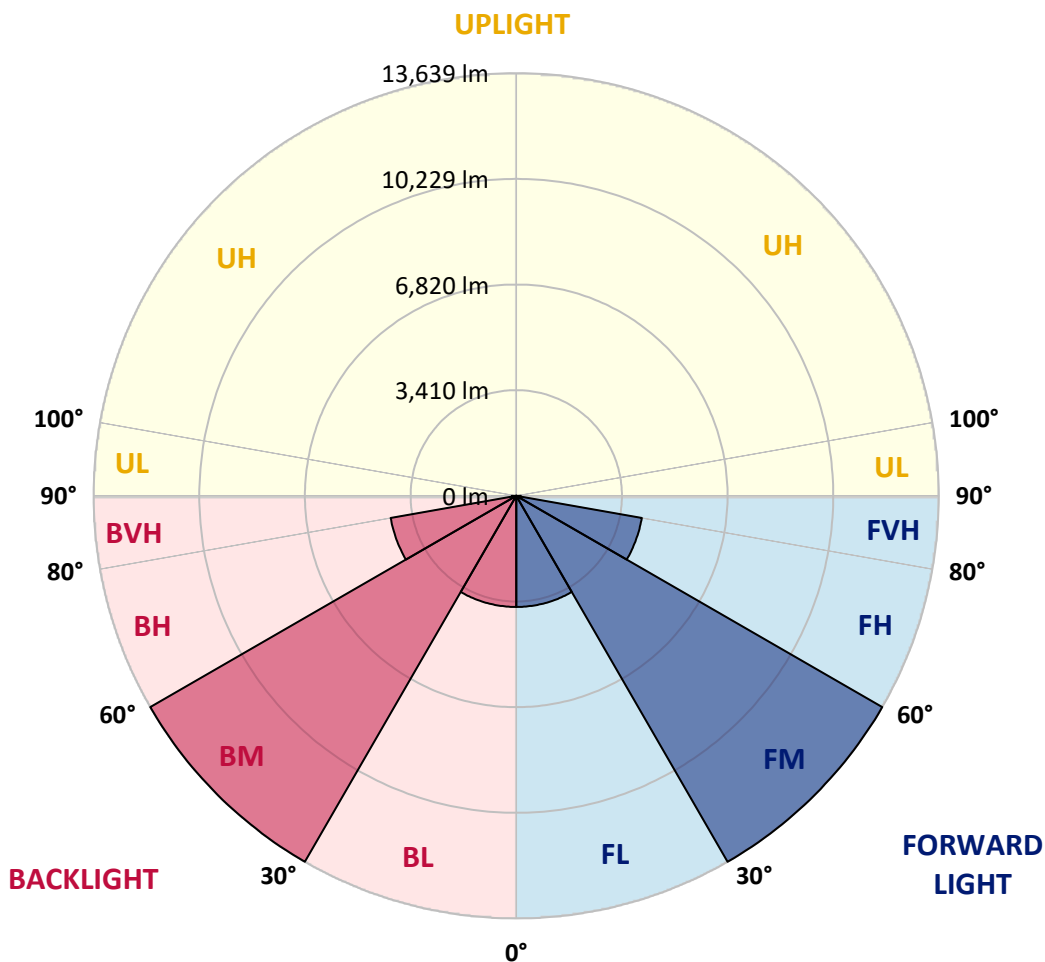
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3585.7	8.3			
FM (30°-60°)	13639.2	31.7			
FH (60°-80°)	4115.6	9.6			G2/5000
FVH (80°-90°)	143.0	0.3			G2/225
BL (0°-30°)	3585.7	8.3	B4/5000		
BM (30°-60°)	13639.2	31.7	B5		
BH (60°-80°)	4115.6	9.6	B4/5000		G2/5000
BVH (80°-90°)	143.0	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°	8299.2	8299.2	8299.2	8299.2	8299.2	8299.2	8299.2	8299.2	8299.2	8299.2	8299.2
2.5°	8249.6	8310.2	8266.1	8304.7	8299.2	8282.6	8255.1	8238.6	8216.6	8249.6	8194.5
5°	8216.6	8266.1	8315.7	8249.6	8249.6	8216.6	8200.0	8167.0	8167.0	8161.5	8156.0
7.5°	8271.6	8222.1	8200.0	8211.1	8222.1	8150.5	8200.0	8134.0	8078.9	8117.4	8161.5
10°	8222.1	8244.1	8161.5	8200.0	8139.5	8150.5	8117.4	8161.5	8100.9	8100.9	8100.9
12.5°	8271.6	8211.1	8238.6	8211.1	8194.5	8100.9	8145.0	8095.4	8089.9	8145.0	8095.4
15°	8370.8	8271.6	8249.6	8194.5	8211.1	8211.1	8167.0	8172.5	8111.9	8145.0	8156.0
17.5°	8337.7	8282.6	8266.1	8200.0	8255.1	8271.6	8189.0	8134.0	8172.5	8167.0	8161.5
20°	8365.3	8387.3	8370.8	8381.8	8403.8	8359.7	8282.6	8205.5	8156.0	8227.6	8222.1
22.5°	8541.5	8519.5	8508.4	8497.4	8536.0	8580.0	8475.4	8354.2	8354.2	8403.8	8425.8
25°	8684.7	8679.2	8673.7	8723.2	8855.4	8855.4	8723.2	8569.0	8530.5	8563.5	8536.0
27.5°	8893.9	8954.5	8932.5	9020.6	9213.3	9257.4	9081.2	8899.4	8794.8	8756.3	8805.8
30°	9373.1	9301.5	9318.0	9411.6	9582.3	9725.5	9455.7	9262.9	9119.7	9114.2	9136.2
32.5°	9692.5	9747.5	9797.1	9885.2	10155.1	10265.2	9940.3	9626.4	9538.3	9488.7	9505.2
35°	10331.3	10281.7	10270.7	10358.8	10628.7	10810.4	10402.9	10127.5	10011.9	10122.0	10122.0
37.5°	10937.1	10799.4	10694.7	10810.4	11058.2	11080.2	10733.3	10584.6	10524.0	10650.7	10645.2
40°	11223.4	11212.4	10970.1	11036.2	11366.6	11399.7	11074.7	10898.5	10887.5	11052.7	11217.9
42.5°	11520.8	11416.2	11173.9	11217.9	11421.7	11432.7	11124.3	11074.7	11195.9	11355.6	11366.6
45°	11570.4	11482.3	11328.1	11217.9	11366.6	11399.7	11217.9	11251.0	11262.0	11454.7	11454.7
47.5°	11669.5	11658.5	11570.4	11487.8	11515.3	11487.8	11372.1	11421.7	11586.9	11680.5	11636.5
50°	11944.9	11829.2	11917.3	11845.7	11851.2	11928.3	11823.7	11873.3	11840.2	11757.6	11702.5
52.5°	12550.6	12495.6	12572.7	12622.2	12677.3	12853.5	12732.4	12468.0	12220.2	11999.9	11994.4
55°	13437.3	13475.8	13624.5	13877.8	14092.6	14373.5	13789.7	13156.4	12759.9	12413.0	12435.0
57.5°	14274.4	14246.8	14450.6	15028.8	15656.6	15799.8	14654.3	13751.2	13106.9	12886.6	12792.9
59°	13602.5	13734.7	14197.3	14841.6	15827.3	16036.6	14538.7	13266.6	12583.7	12137.6	12214.7
60°	12545.1	12594.7	13007.7	13905.4	15238.1	15596.1	13762.2	12517.6	11608.9	11350.1	11465.7
62.5°	8866.4	8827.8	9125.2	9857.7	11052.7	11537.3	10232.2	9356.5	8783.8	8497.4	8563.5
65°	4714.1	4890.3	5011.4	5468.5	6101.8	6614.0	6074.3	5694.3	5374.9	5138.1	5132.6
67.5°	3183.1	3161.1	3188.6	3293.2	3508.0	3651.2	3640.2	3447.4	3419.9	3375.8	3425.4
70°	2681.9	2670.9	2621.4	2621.4	2665.4	2698.5	2737.0	2759.0	2803.1	2858.2	2852.7
72.5°	2175.3	2147.8	2114.7	2098.2	2153.3	2169.8	2219.4	2241.4	2279.9	2274.4	2324.0
75°	1437.3	1437.3	1475.9	1520.0	1536.5	1569.5	1575.0	1641.1	1641.1	1652.1	1608.1
77.5°	804.0	782.0	809.5	853.6	892.1	952.7	1013.3	1062.9	1090.4	1079.4	1079.4
80°	468.1	468.1	495.6	545.2	594.8	649.8	693.9	732.4	760.0	749.0	726.9
82.5°	291.9	291.9	319.4	369.0	407.5	440.6	501.1	550.7	583.8	572.7	545.2
85°	148.7	148.7	181.7	214.8	264.3	286.4	280.9	258.8	253.3	225.8	225.8
87.5°	38.5	38.5	55.1	60.6	49.6	55.1	55.1	55.1	55.1	55.1	60.6
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)