

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: P650611

Luminaire Tested: **GLAN-SA9B-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27747.2 lumens
Efficiency: N/A
Efficacy: 76.2 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

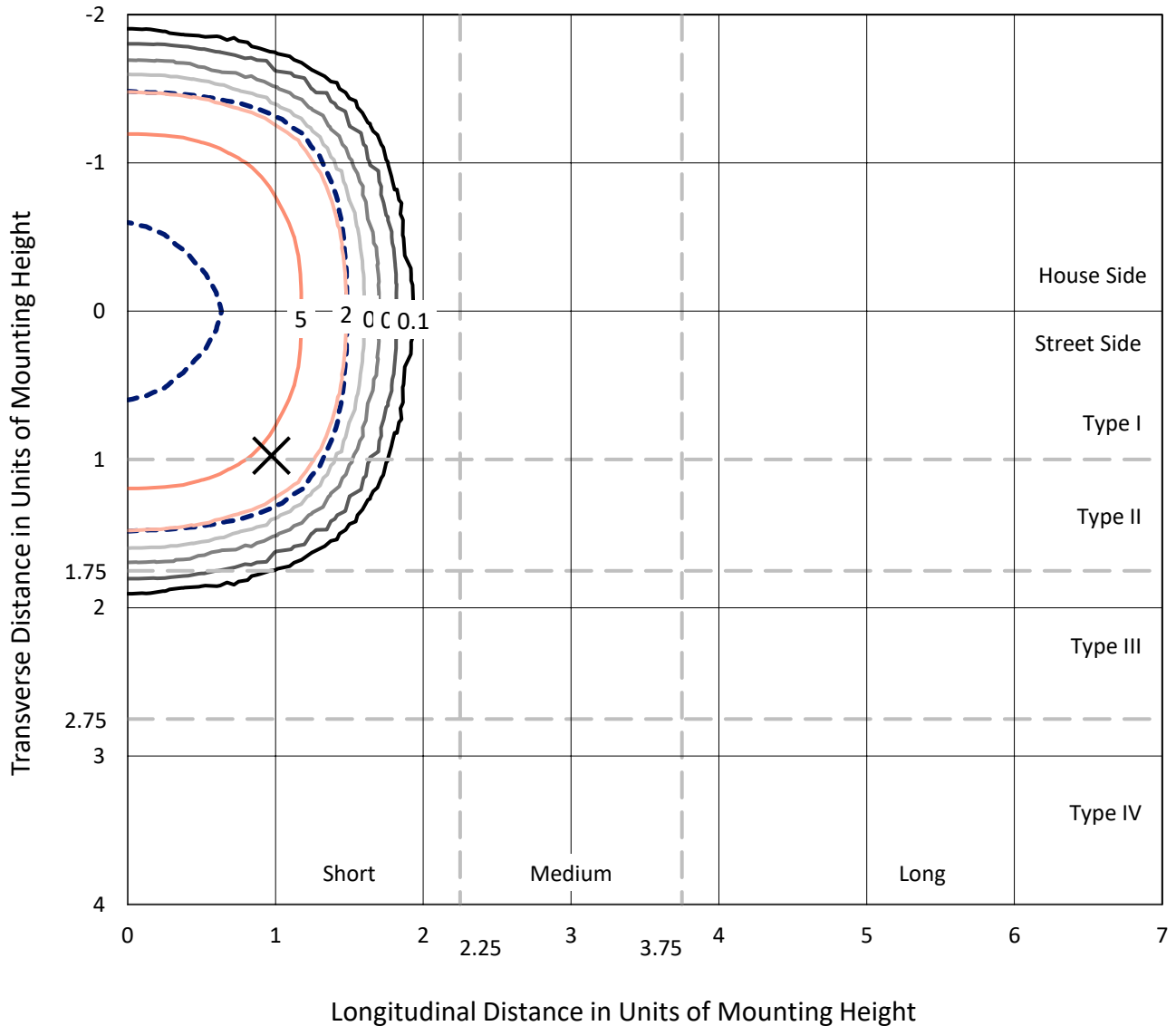
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

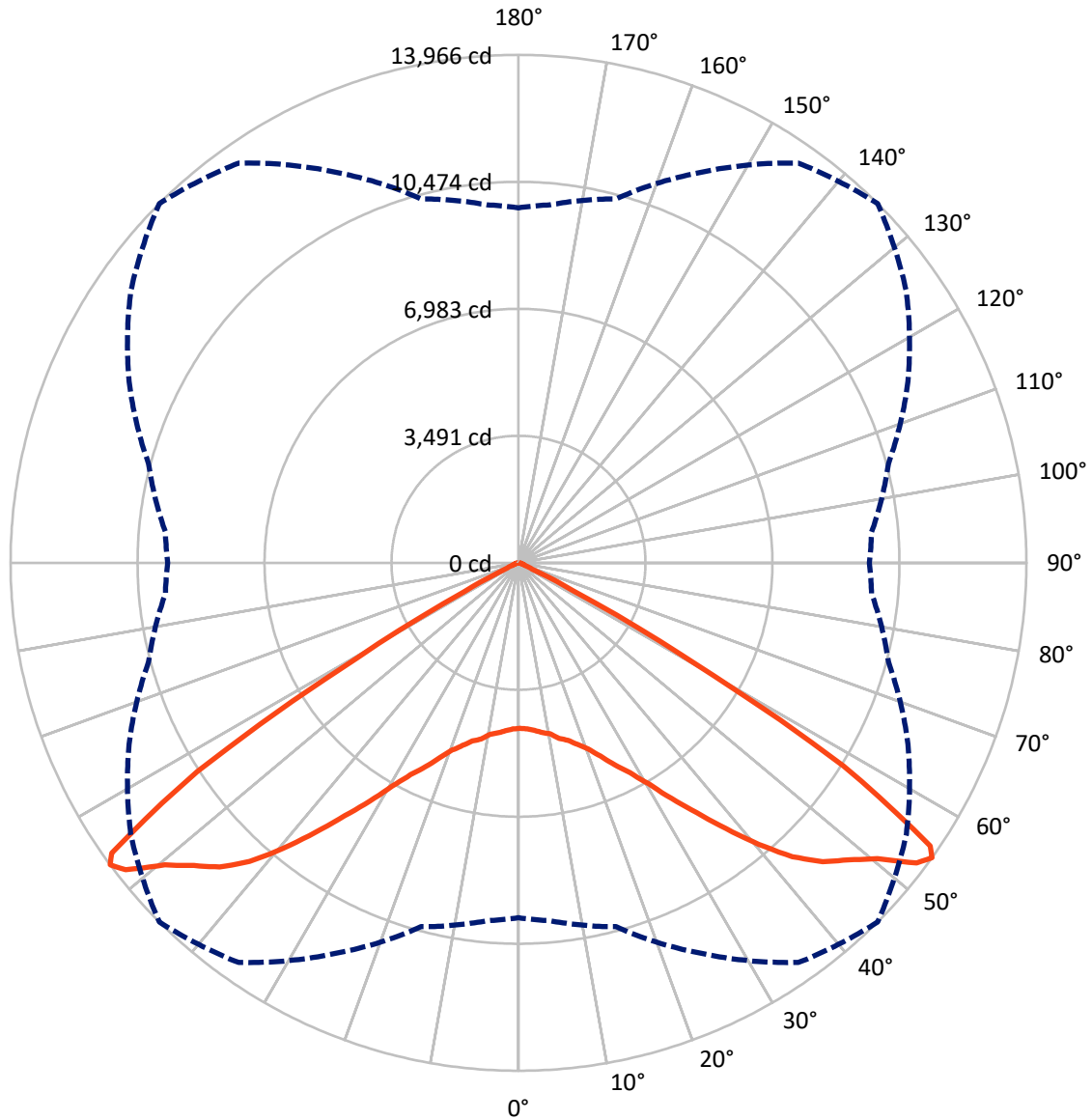
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13873.6	0.0	13873.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13873.6	0.0	13873.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27747.2	0.0	27747.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.3	1.6
10°-20°	1442.1	5.2
20°-30°	2826.4	10.2
30°-40°	5082.4	18.3
40°-50°	8700.1	31.4
50°-60°	8418.2	30.3
60°-70°	720.6	2.6
70°-80°	85.4	0.3
80°-90°	26.8	0.1
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°	27747.2	100.0
0°-180°	27747.2	100.0

Coefficient of Utilization



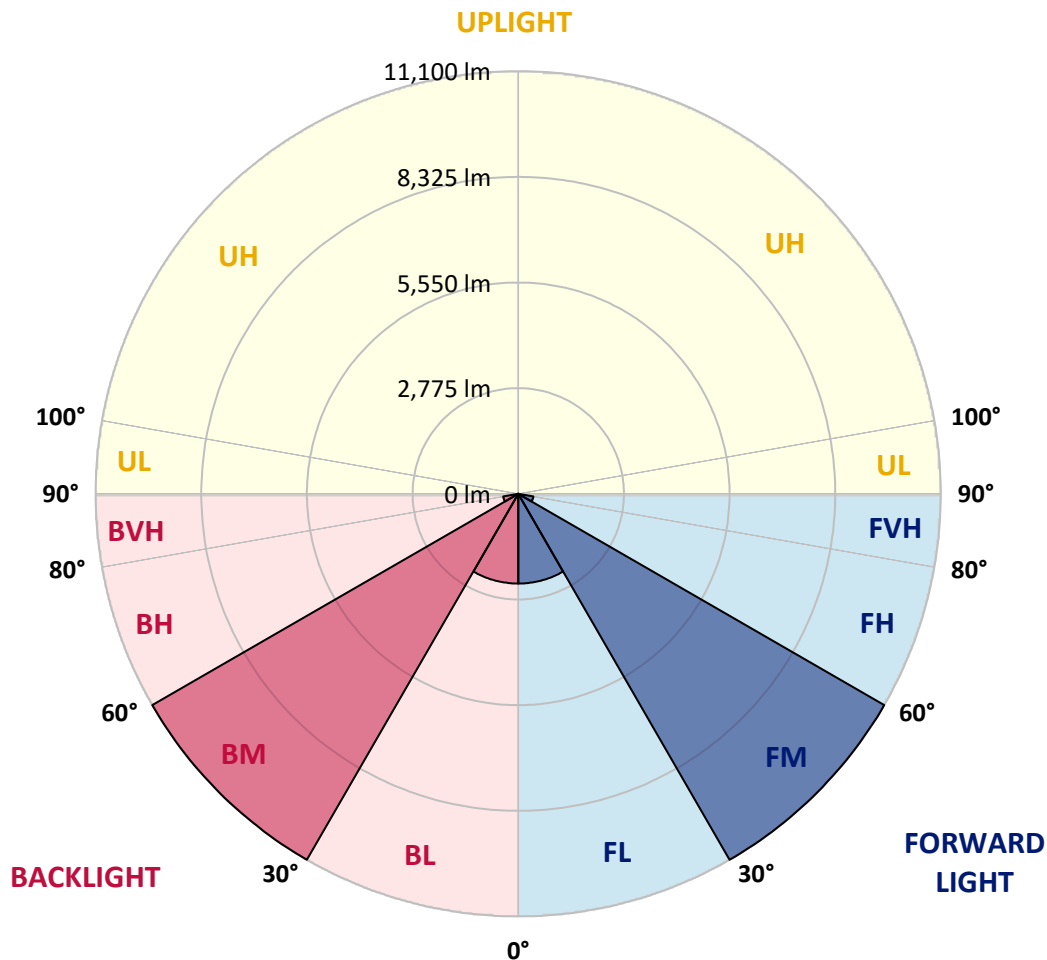
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2356.9	8.5			
FM (30°-60°)	11100.3	40.0			
FH (60°-80°)	403.0	1.5			G0/660
FVH (80°-90°)	13.4	0.0			G1/100
BL (0°-30°)	2356.9	8.5	B3/2500		
BM (30°-60°)	11100.3	40.0	B5		
BH (60°-80°)	403.0	1.5	B1/500		G0/660
BVH (80°-90°)	13.4	0.0			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°	4549.7	4549.7	4549.7	4549.7	4549.7	4549.7	4549.7	4549.7	4549.7	4549.7	4549.7
2.5°	4571.6	4598.0	4580.5	4593.6	4593.6	4571.6	4584.9	4532.1	4567.2	4540.9	4545.2
5°	4642.0	4637.6	4637.6	4642.0	4624.4	4633.2	4615.6	4598.0	4584.9	4567.2	4620.0
7.5°	4729.9	4729.9	4699.1	4707.9	4699.1	4712.3	4677.2	4642.0	4628.8	4615.6	4606.8
10°	4813.4	4804.6	4791.4	4831.0	4800.3	4782.6	4765.1	4743.1	4694.7	4677.2	4659.6
12.5°	4936.5	4932.1	4914.5	4954.1	4936.5	4954.1	4888.1	4831.0	4822.2	4765.1	4795.9
15°	5081.6	5121.1	5090.4	5090.4	5081.6	5059.6	5033.2	5006.8	4927.7	4905.7	4910.1
17.5°	5270.6	5257.4	5261.8	5261.8	5305.8	5248.6	5195.8	5129.9	5090.4	5077.2	5033.2
20°	5450.8	5468.4	5464.0	5494.8	5521.2	5459.6	5402.5	5393.7	5283.8	5301.4	5239.8
22.5°	5767.3	5754.1	5776.1	5798.1	5780.5	5771.7	5719.0	5653.0	5556.3	5512.3	5503.6
25°	6101.4	6079.4	6039.8	6092.6	6119.0	6158.5	6057.4	6022.3	5872.8	5806.9	5811.3
27.5°	6387.1	6417.9	6461.9	6483.9	6549.8	6536.6	6466.2	6351.9	6237.7	6162.9	6114.6
30°	6778.4	6796.0	6870.7	6901.4	7015.8	7046.5	6936.6	6804.7	6602.5	6505.8	6448.6
32.5°	7138.8	7261.9	7257.5	7411.3	7596.0	7723.4	7525.6	7323.4	7121.2	7006.9	6905.8
35°	7723.4	7701.5	7829.0	7991.6	8290.5	8435.6	8220.2	7987.2	7679.5	7494.9	7415.7
37.5°	8268.6	8277.3	8448.7	8708.1	9051.0	9275.2	9086.2	8703.7	8387.2	8149.9	8039.9
40°	9059.8	9077.4	9253.2	9547.7	9934.5	10176.3	9956.5	9569.7	9147.7	8963.1	8963.1
42.5°	9987.3	10062.0	10176.3	10431.3	10778.5	11046.7	10848.9	10545.6	10119.2	9881.8	9916.9
45°	10941.2	10976.3	11051.1	11429.1	11591.8	11723.6	11539.0	11398.4	11112.6	10822.5	10774.2
47.5°	11833.6	11846.7	12066.5	12185.2	12312.7	12202.8	12321.4	12136.9	11815.9	11534.6	11477.4
50°	12229.1	12207.2	12519.3	12879.7	12976.4	12783.0	12681.9	12558.9	12070.9	11732.5	11583.0
52.5°	11077.5	11205.0	11785.2	12787.4	13543.6	13706.2	13117.1	12550.1	11640.2	10980.8	10879.6
54°	9758.7	9877.4	10356.6	11842.3	13416.0	13965.5	13016.0	11811.6	10528.0	9745.5	9644.4
55°	8453.2	8321.3	9191.6	10708.2	12818.2	13737.0	12616.0	10857.7	9389.5	8673.0	8532.3
57.5°	4576.0	4598.0	5332.2	6765.2	9007.0	10532.4	9301.6	7345.4	5547.6	4743.1	4672.8
60°	1450.6	1485.8	1806.7	2734.2	4303.5	5138.7	4404.6	2949.6	2039.6	1635.2	1569.3
62.5°	452.7	470.3	514.3	764.8	1178.1	1683.6	1318.7	791.2	589.1	540.7	549.5
65°	276.9	276.9	281.3	298.9	351.6	408.8	395.6	347.3	334.1	325.3	320.9
67.5°	180.2	175.9	184.6	197.8	206.6	211.0	224.2	237.4	232.9	224.2	224.2
70°	109.9	105.5	114.3	131.9	136.2	145.1	158.2	175.9	171.4	162.6	167.0
72.5°	61.5	61.5	65.9	79.2	92.3	101.1	114.3	127.5	131.9	127.5	127.5
75°	22.0	26.4	35.2	48.4	57.2	70.3	83.5	96.7	109.9	101.1	96.7
77.5°	8.8	8.8	17.6	30.8	43.9	57.2	79.2	92.3	101.1	92.3	83.5
80°	4.4	4.4	13.2	26.4	39.5	52.8	65.9	79.2	83.5	74.7	65.9
82.5°	4.4	4.4	13.2	26.4	39.5	48.4	70.3	79.2	87.9	79.2	65.9
85°	0.0	4.4	13.2	26.4	35.2	39.5	39.5	26.4	22.0	13.2	13.2
87.5°	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)