

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: P532831

Luminaire Tested: **GLAN-SA8B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24834 lumens
Efficiency: N/A
Efficacy: 76.4 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

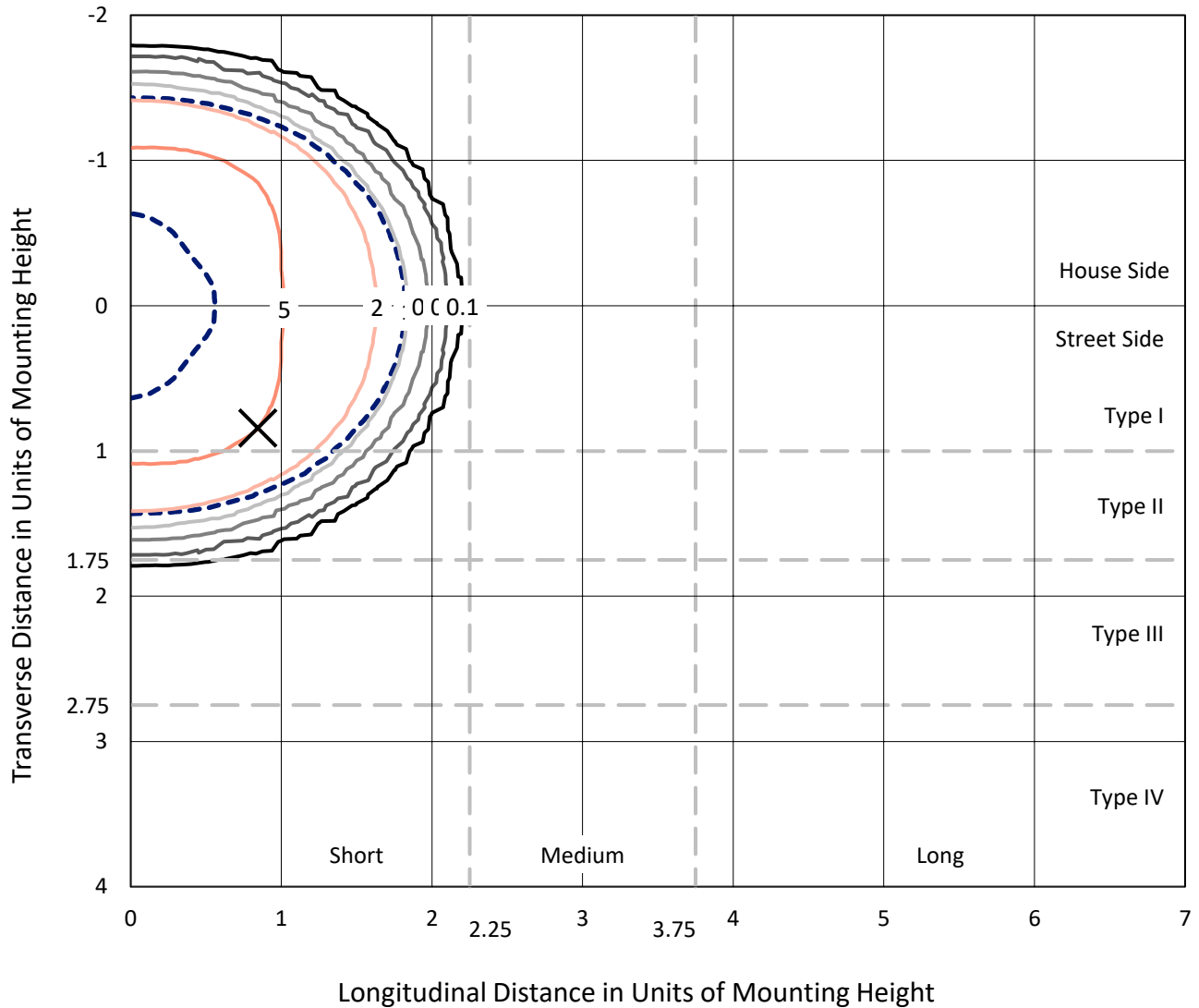
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

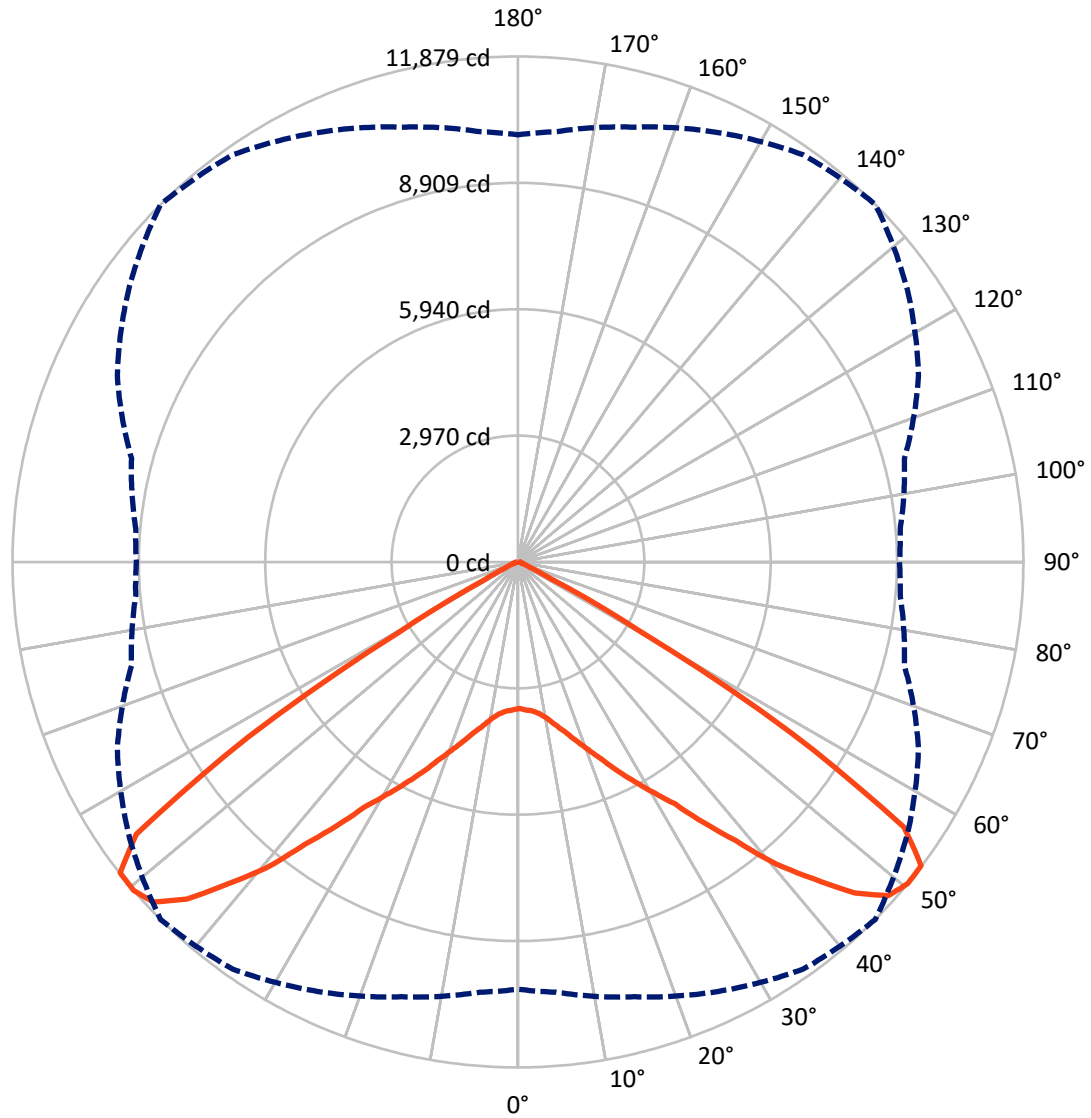
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12417.0	0.0	12417.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12417.0	0.0	12417.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24834.0	0.0	24834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	1.4
10°-20°	1180.5	4.8
20°-30°	2411.1	9.7
30°-40°	4598.0	18.5
40°-50°	7748.3	31.2
50°-60°	7389.3	29.8
60°-70°	1031.5	4.2
70°-80°	98.7	0.4
80°-90°	34.1	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°	24834.0	100.0
0°-180°	24834.0	100.0

Coefficient of Utilization



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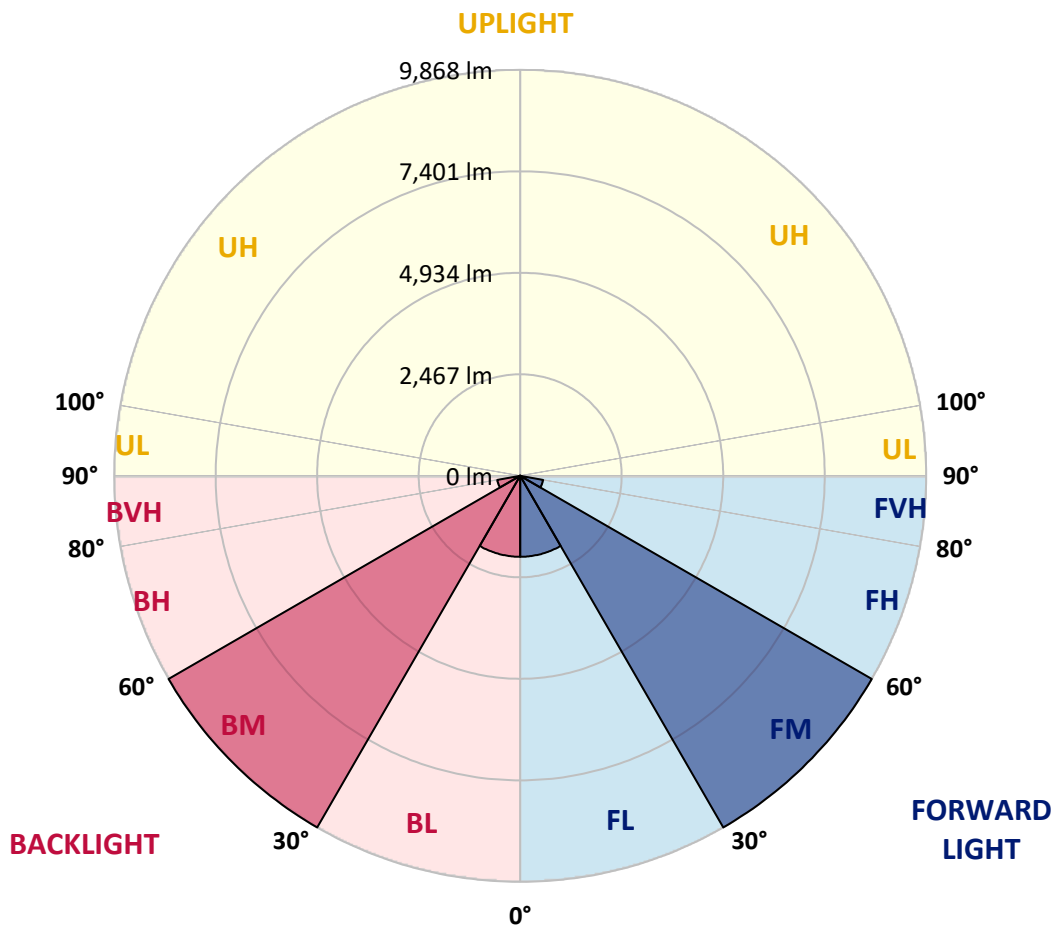
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1967.1	7.9			
FM (30°-60°)	9867.8	39.7			
FH (60°-80°)	565.1	2.3			G0/660
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	1967.1	7.9	B3/2500		
BM (30°-60°)	9867.8	39.7	B5		
BH (60°-80°)	565.1	2.3	B2/1000		G0/660
BVH (80°-90°)	17.0	0.1			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°	3443.0	3443.0	3443.0	3443.0	3443.0	3443.0	3443.0	3443.0	3443.0	3443.0	3443.0
2.5°	3430.4	3430.4	3426.2	3459.7	3443.0	3480.6	3476.4	3488.9	3501.5	3497.3	3530.7
5°	3401.2	3397.0	3397.0	3434.6	3472.2	3514.0	3551.6	3576.7	3618.5	3618.5	3660.2
7.5°	3430.4	3409.5	3438.8	3455.5	3526.5	3597.6	3660.2	3710.4	3806.5	3839.9	3827.4
10°	3438.8	3463.9	3484.7	3534.9	3622.6	3731.3	3785.6	3910.9	4019.6	4094.8	4111.5
12.5°	3493.1	3530.7	3589.2	3710.4	3789.8	3931.8	4007.0	4128.2	4278.6	4362.2	4420.7
15°	3597.6	3610.1	3685.3	3839.9	4011.2	4140.7	4257.7	4345.5	4491.7	4587.8	4592.0
17.5°	3731.3	3785.6	3890.0	4036.3	4216.0	4408.2	4500.1	4596.2	4650.5	4780.0	4809.3
20°	3998.7	4007.0	4107.3	4299.5	4525.2	4700.6	4767.5	4817.6	4796.7	4930.5	4955.5
22.5°	4249.4	4257.7	4383.1	4642.1	4884.5	5034.9	5064.2	5034.9	4972.2	5068.3	5076.7
25°	4504.3	4579.5	4671.4	4930.5	5231.3	5431.9	5436.0	5356.6	5227.1	5243.8	5285.6
27.5°	4901.2	4955.5	5051.6	5289.8	5619.9	5845.5	5807.9	5711.8	5544.7	5557.2	5544.7
30°	5365.0	5415.1	5494.5	5799.6	6041.9	6288.4	6342.7	6250.8	6000.1	5945.8	6008.5
32.5°	5924.9	5995.9	6142.2	6422.1	6626.9	6777.3	6814.9	6781.5	6547.5	6526.6	6568.4
35°	6606.0	6702.1	6835.8	7082.3	7249.4	7521.0	7521.0	7408.2	7195.1	7220.2	7216.0
37.5°	7324.6	7466.7	7675.6	7926.3	8152.0	8298.2	8252.2	8156.1	7943.0	7888.7	7943.0
40°	8227.2	8298.2	8561.4	8887.4	9163.1	9330.3	9133.9	8925.0	8415.2	8494.6	8640.8
42.5°	9050.3	9163.1	9363.7	9723.0	10036.4	10174.3	9940.3	9526.6	8912.4	8849.7	8958.4
45°	9752.3	9873.4	10136.7	10650.6	10980.7	11101.9	10583.8	9915.2	9213.3	9054.5	9100.4
47.5°	10220.2	10282.9	10650.6	11139.5	11440.3	11716.1	10972.3	10182.6	9355.3	9054.5	9037.8
50°	10040.6	10149.2	10579.6	11135.3	11682.7	11879.1	11168.7	10387.4	9401.3	9016.9	8966.7
52.5°	8916.6	9104.6	9585.1	10333.1	11160.4	11862.3	11440.3	10320.5	9384.6	9054.5	9129.7
55°	6204.9	6209.0	6794.0	7897.1	9359.5	11014.1	11043.4	10395.7	9493.2	9288.5	9292.7
57.5°	2494.5	2619.8	3066.9	4174.2	5523.8	7562.8	8991.8	9643.6	9505.7	9455.6	9585.1
60°	630.9	635.1	773.0	1178.3	1942.9	3242.4	4709.0	6372.0	7337.2	7667.3	7713.2
62.5°	321.7	325.9	359.3	417.8	530.7	869.1	1546.0	2452.7	3488.9	4015.4	4153.3
65°	263.2	263.2	284.1	313.4	317.6	334.3	401.1	572.4	831.5	944.3	956.8
67.5°	200.6	200.6	217.3	234.0	242.3	238.2	229.8	238.2	288.3	275.8	267.4
70°	125.4	129.5	137.9	154.6	163.0	167.1	171.3	179.7	204.7	213.1	204.7
72.5°	75.2	75.2	79.4	91.9	104.5	112.8	125.4	133.7	146.2	167.1	163.0
75°	33.4	33.4	41.8	54.3	66.9	79.4	91.9	104.5	112.8	125.4	129.5
77.5°	8.4	12.5	20.9	37.6	50.1	66.9	83.6	96.1	104.5	104.5	100.3
80°	4.2	4.2	16.7	29.2	54.3	71.0	91.9	100.3	112.8	104.5	91.9
82.5°	4.2	4.2	16.7	29.2	50.1	71.0	96.1	108.6	117.0	104.5	87.7
85°	0.0	4.2	12.5	25.1	41.8	50.1	41.8	29.2	16.7	16.7	12.5
87.5°	0.0	0.0	4.2	4.2	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)