

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: P650567

Luminaire Tested: **GLAN-SA8B-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31525.2 lumens
Efficiency: N/A
Efficacy: 97.0 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

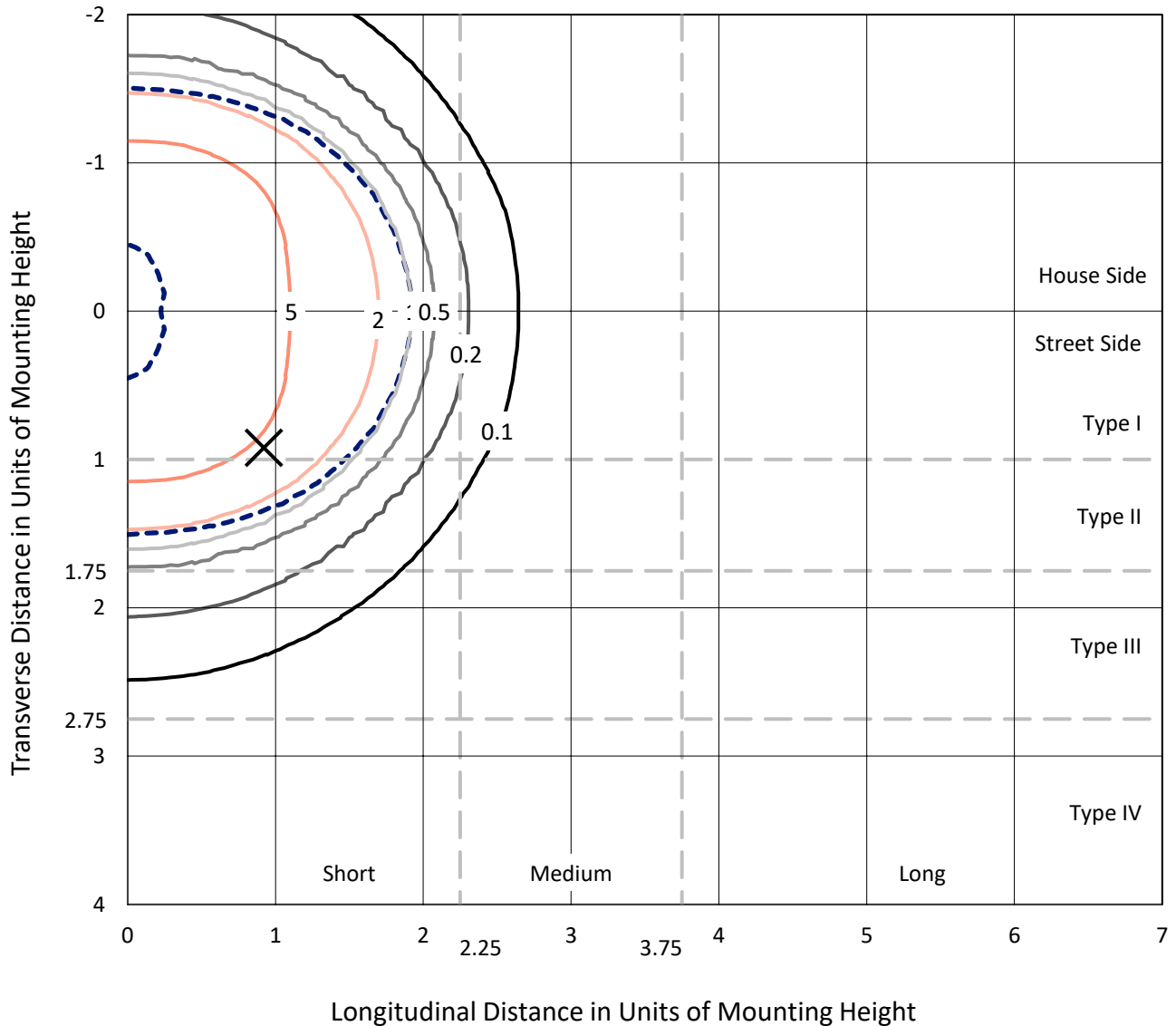
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

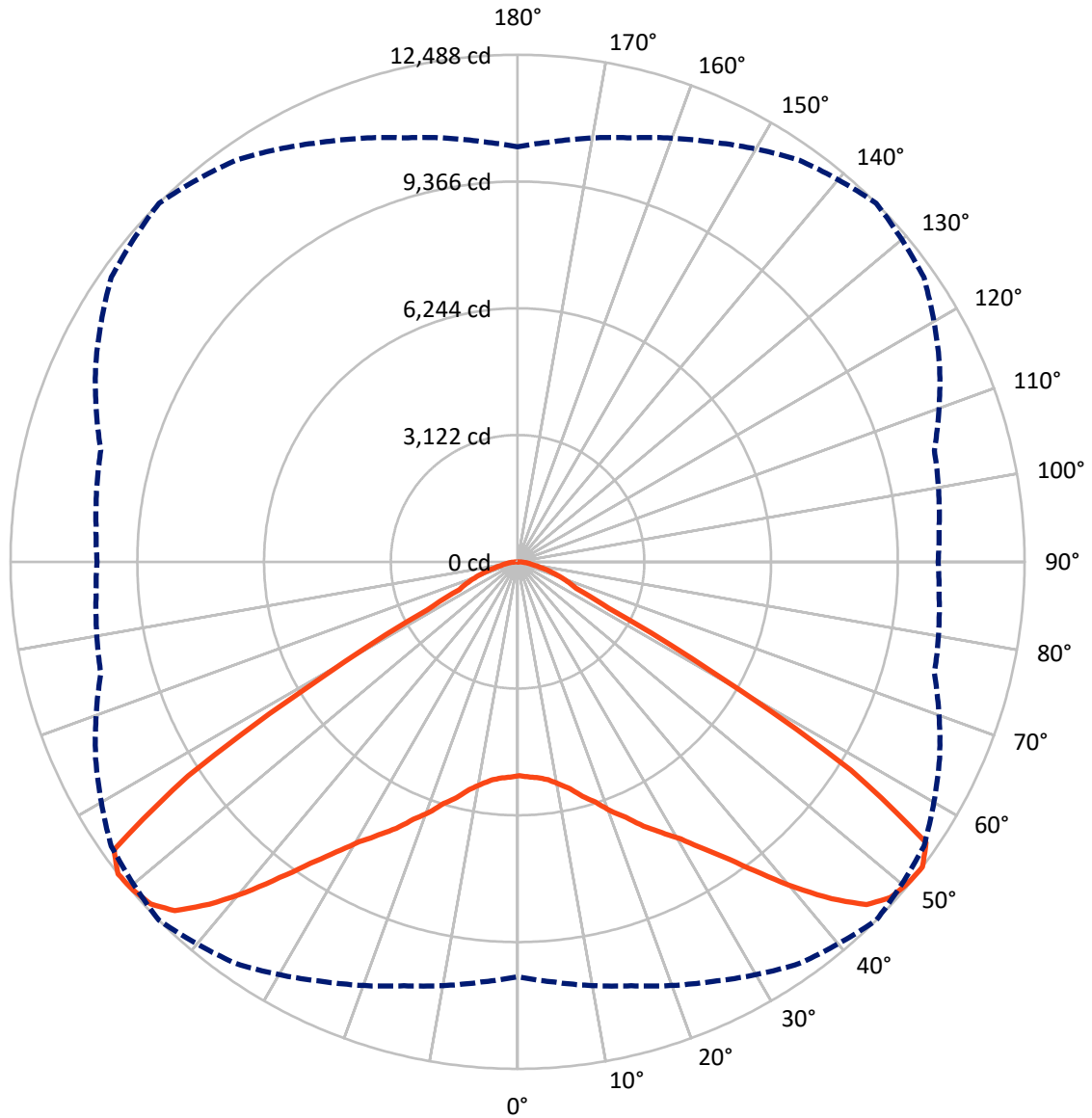
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15762.6	0.0	15762.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15762.6	0.0	15762.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	31525.2	0.0	31525.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.7	1.6
10°-20°	1701.3	5.4
20°-30°	3239.0	10.3
30°-40°	5561.6	17.6
40°-50°	8548.3	27.1
50°-60°	8680.7	27.5
60°-70°	2419.2	7.7
70°-80°	713.6	2.3
80°-90°	143.7	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°	31525.2	100.0
0°-180°	31525.2	100.0

Coefficient of Utilization

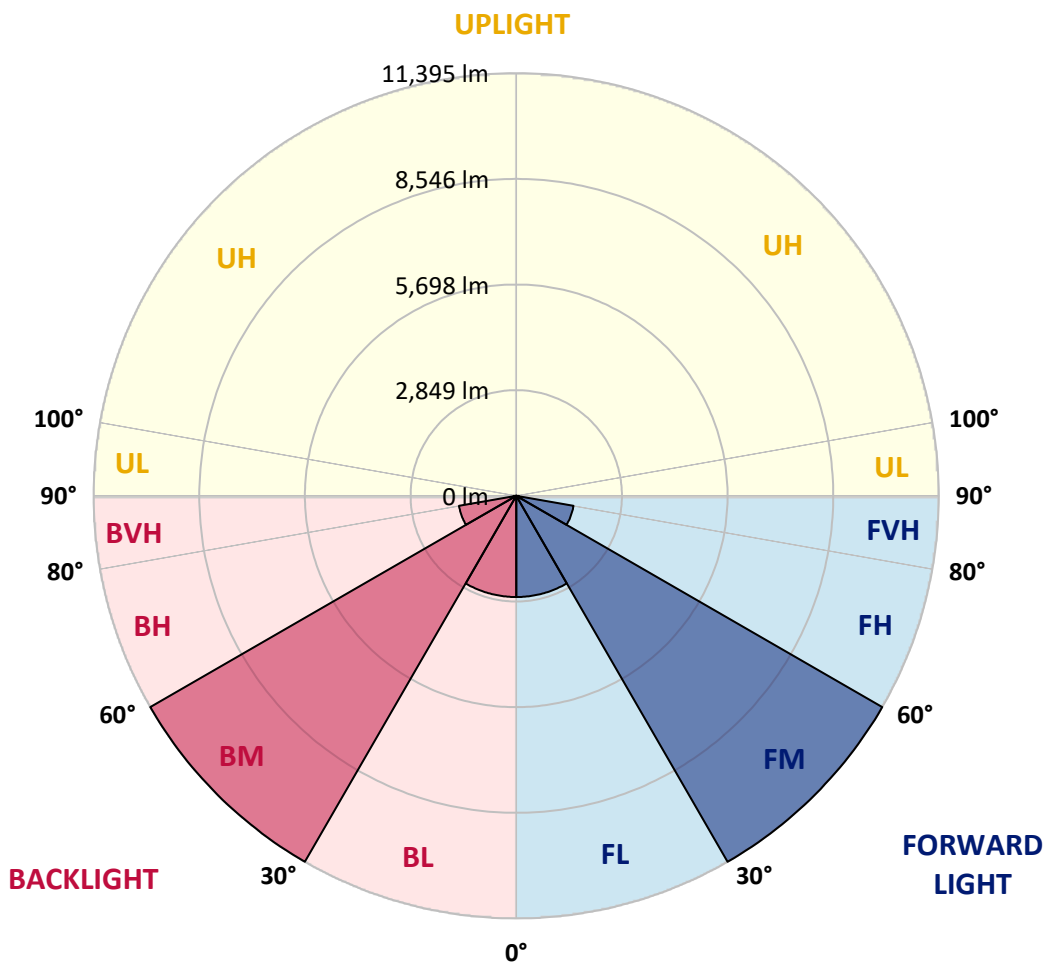


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2729.0	8.7			
FM (30°-60°)	11395.3	36.1			
FH (60°-80°)	1566.4	5.0			G1/1800
FVH (80°-90°)	71.9	0.2			G1/100
BL (0°-30°)	2729.0	8.7	B4/5000		
BM (30°-60°)	11395.3	36.1	B5		
BH (60°-80°)	1566.4	5.0	B3/2500		G1/1800
BVH (80°-90°)	71.9	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°	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8
2.5°	5281.6	5226.8	5246.3	5258.1	5309.0	5305.1	5293.3	5309.0	5324.6	5328.5	5320.7
5°	5277.7	5238.6	5254.2	5265.9	5316.8	5344.2	5336.4	5402.9	5449.8	5438.1	5496.7
7.5°	5246.3	5269.8	5250.2	5309.0	5352.0	5418.5	5488.9	5551.5	5610.2	5676.8	5688.5
10°	5316.8	5316.8	5352.0	5398.9	5512.4	5563.3	5665.0	5755.0	5868.4	5946.7	5915.4
12.5°	5391.1	5402.9	5402.9	5524.1	5618.0	5731.5	5825.4	5946.7	6107.1	6201.0	6247.9
15°	5465.5	5473.2	5512.4	5676.8	5817.5	5997.5	6083.6	6193.1	6283.1	6459.2	6463.1
17.5°	5532.0	5575.0	5692.3	5876.3	6052.3	6224.5	6361.4	6474.9	6553.1	6623.5	6607.8
20°	5782.4	5813.6	5934.9	6118.8	6380.9	6549.2	6596.1	6615.6	6666.5	6807.4	6764.3
22.5°	6025.0	6036.6	6150.1	6431.8	6615.6	6838.6	6889.5	6877.8	6897.4	6932.5	6995.2
25°	6275.3	6294.9	6451.4	6690.0	6948.2	7214.2	7257.3	7167.3	7139.9	7179.0	7182.9
27.5°	6596.1	6600.0	6799.6	7006.9	7300.3	7550.7	7617.2	7546.8	7417.7	7449.0	7499.8
30°	7003.0	6975.6	7175.1	7472.5	7781.5	7922.4	8035.9	8000.6	7859.8	7832.4	7789.4
32.5°	7472.5	7480.3	7660.2	7985.0	8188.4	8423.1	8544.4	8485.8	8395.8	8348.8	8376.2
35°	8133.6	8168.9	8290.1	8560.1	8888.7	9006.1	9197.7	9072.5	8837.9	8896.5	8947.4
37.5°	8677.4	8779.2	9006.1	9326.9	9522.5	9737.7	9808.1	9639.8	9467.7	9397.3	9565.5
40°	9510.8	9479.5	9729.9	10050.7	10340.1	10555.3	10465.3	10297.2	9870.7	9874.6	9921.5
42.5°	10226.7	10242.3	10434.0	10817.5	11212.6	11345.6	11060.0	10649.3	10175.9	10125.0	10226.7
45°	10829.2	10891.8	11001.3	11513.9	11901.1	12045.9	11517.8	11032.6	10398.9	10187.6	10355.8
47.5°	11044.4	11146.1	11384.7	11854.2	12237.6	12355.0	11932.5	11236.1	10606.2	10261.9	10351.9
50°	11075.7	11040.5	11431.7	11862.1	12198.5	12452.8	12081.1	11384.7	10555.3	10375.4	10348.0
52.5°	10218.9	10391.0	10809.6	11400.4	12081.1	12488.0	12214.2	11466.9	10625.8	10422.4	10355.8
55°	8270.6	8067.1	8830.0	9823.8	11075.7	12206.3	12167.2	11509.9	10668.8	10500.6	10410.6
57.5°	4616.5	4675.2	5105.6	6185.3	7801.1	9679.0	10817.5	11056.1	10649.3	10551.4	10598.4
60°	2136.1	2155.7	2339.5	2844.2	3845.8	5488.9	6987.3	8509.2	9209.5	9350.4	9350.4
62.5°	1592.3	1584.5	1631.5	1721.4	1932.7	2523.5	3368.5	4577.3	5539.8	6212.7	6388.7
65°	1439.7	1435.8	1459.3	1490.6	1506.3	1588.4	1776.2	2147.8	2460.8	2640.8	2609.5
67.5°	1259.8	1255.9	1263.7	1283.3	1310.6	1353.7	1400.6	1478.9	1588.4	1580.6	1561.0
70°	1017.2	1017.2	1028.9	1044.6	1075.8	1126.7	1181.5	1236.3	1330.2	1349.7	1345.8
72.5°	751.1	739.4	762.9	794.2	825.5	888.1	946.8	997.6	1064.2	1083.7	1075.8
75°	477.3	485.1	500.8	536.0	590.8	633.8	696.4	739.4	782.5	798.1	802.0
77.5°	266.1	273.9	301.2	344.3	399.0	446.0	500.8	536.0	563.4	567.3	571.2
80°	160.4	164.4	191.7	230.8	277.8	328.6	371.7	406.8	430.3	418.6	414.7
82.5°	97.8	101.7	125.2	160.4	199.5	238.7	285.6	316.9	340.4	324.7	309.1
85°	50.9	54.8	74.3	97.8	129.1	148.7	148.7	133.0	129.1	121.3	117.4
87.5°	15.7	15.7	19.6	23.5	19.6	23.5	27.4	31.3	31.3	35.2	31.3
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)