

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: P532617

Luminaire Tested: **GLAN-SA8A-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532617
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-SA8A-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 23103 lumens
Efficiency: N/A
Efficacy: 94.7 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): 244
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

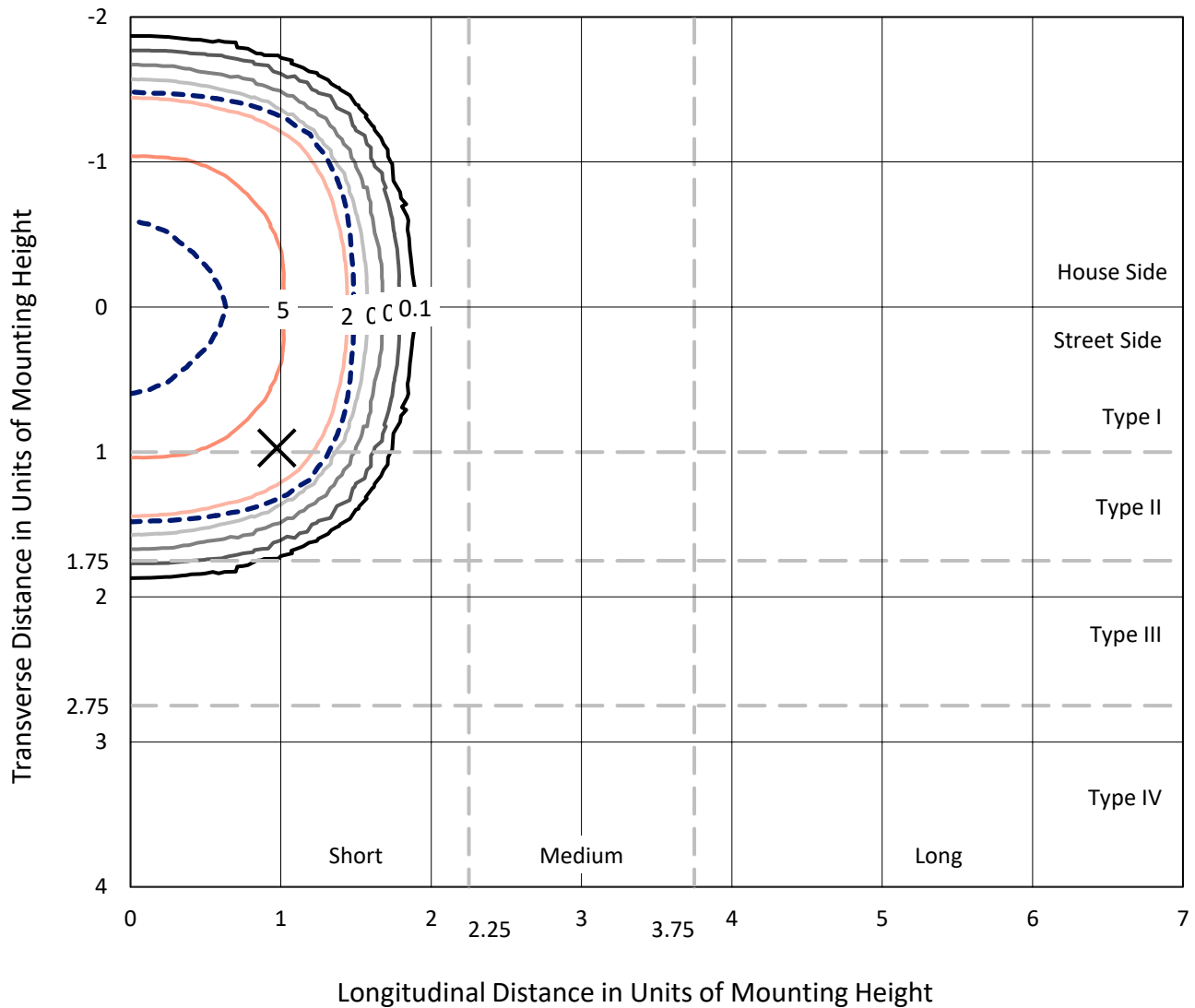


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Iso-Footcandle Lines of Horizontal Illumination

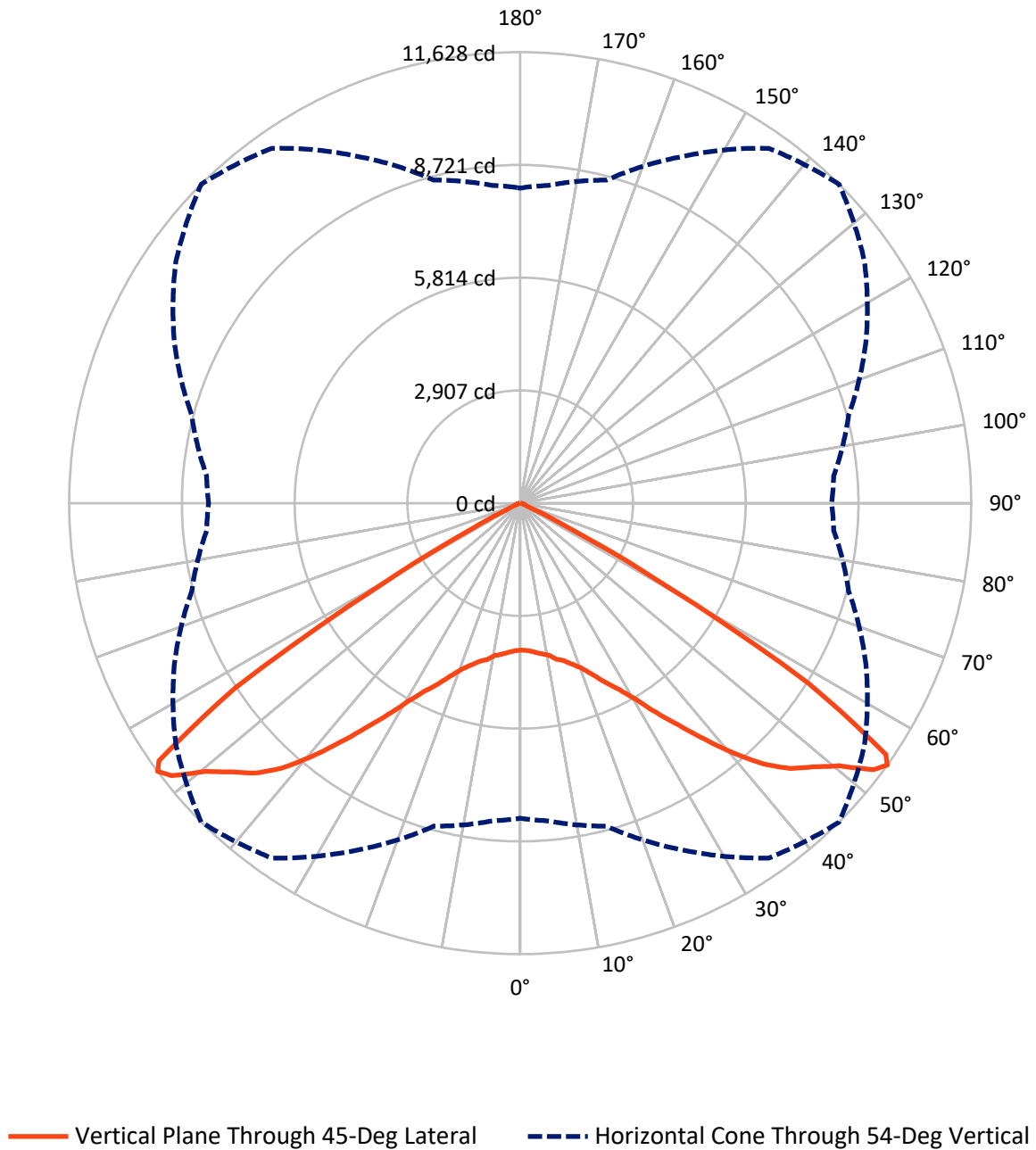
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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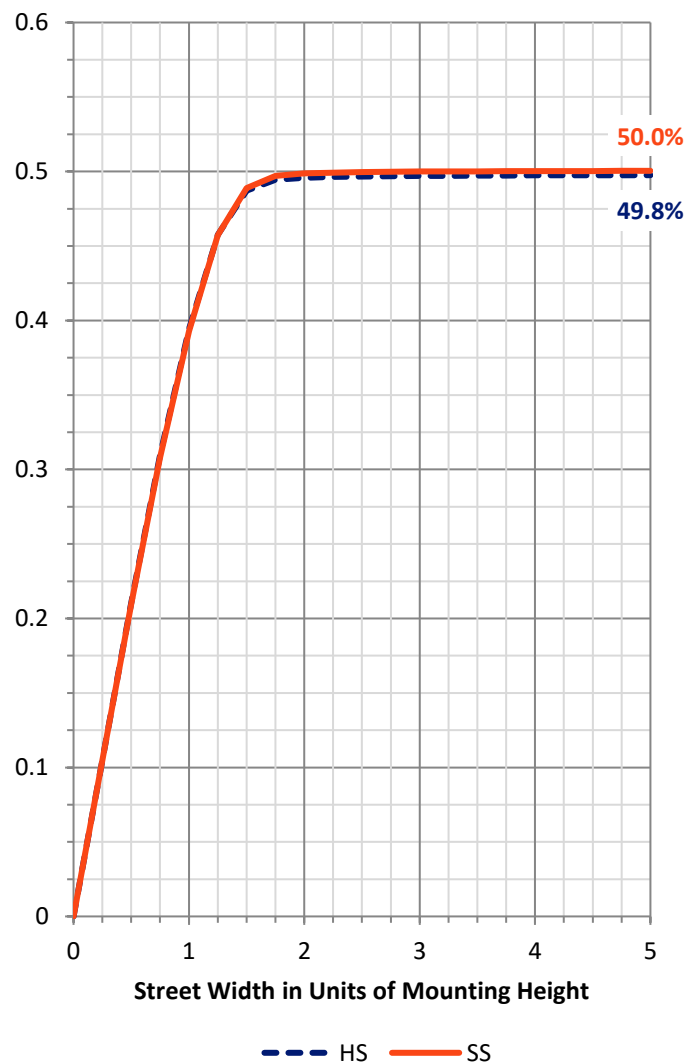
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11551.5	0.0	11551.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11551.5	0.0	11551.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23103.0	0.0	23103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.8	1.6
10°-20°	1200.7	5.2
20°-30°	2353.3	10.2
30°-40°	4231.7	18.3
40°-50°	7243.9	31.4
50°-60°	7009.2	30.3
60°-70°	600.0	2.6
70°-80°	71.1	0.3
80°-90°	22.3	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°	23103.0	100.0
0°-180°	23103.0	100.0

Coefficient of Utilization



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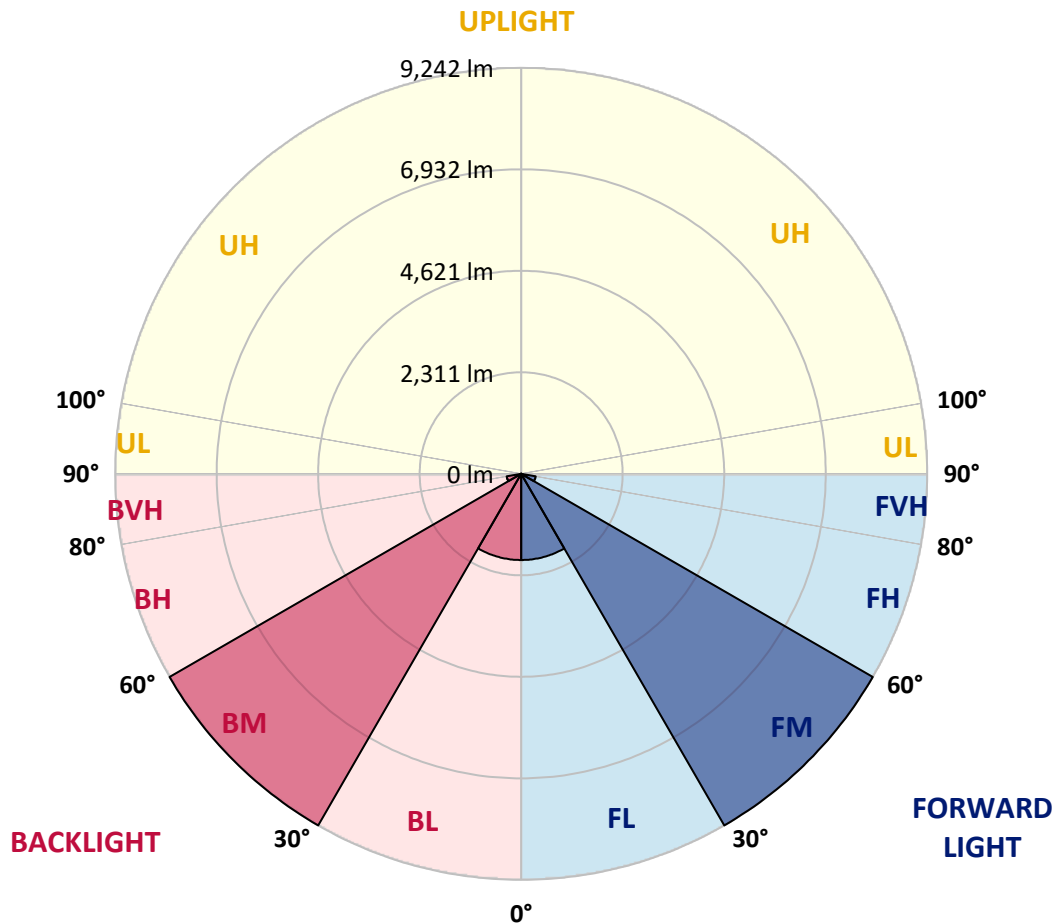
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1962.4	8.5			
FM	(30°-60°)	9242.4	40.0			
FH	(60°-80°)	335.6	1.5			G0/660
FVH	(80°-90°)	11.2	0.0			G1/100
BL	(0°-30°)	1962.4	8.5	B3/2500		
BM	(30°-60°)	9242.4	40.0	B5		
BH	(60°-80°)	335.6	1.5	B1/500		G0/660
BVH	(80°-90°)	11.2	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°	3788.2	3788.2	3788.2	3788.2	3788.2	3788.2	3788.2	3788.2	3788.2	3788.2	3788.2
2.5°	3806.5	3828.4	3813.8	3824.8	3824.8	3806.5	3817.5	3773.5	3802.8	3780.9	3784.5
5°	3865.0	3861.4	3861.4	3865.0	3850.4	3857.7	3843.1	3828.4	3817.5	3802.8	3846.7
7.5°	3938.2	3938.2	3912.6	3919.9	3912.6	3923.6	3894.3	3865.0	3854.1	3843.1	3835.8
10°	4007.8	4000.5	3989.5	4022.4	3996.8	3982.2	3967.5	3949.2	3909.0	3894.3	3879.7
12.5°	4110.3	4106.6	4092.0	4124.9	4110.3	4124.9	4070.0	4022.4	4015.1	3967.5	3993.1
15°	4231.0	4264.0	4238.4	4238.4	4231.0	4212.7	4190.8	4168.8	4102.9	4084.6	4088.3
17.5°	4388.4	4377.4	4381.1	4381.1	4417.7	4370.1	4326.2	4271.3	4238.4	4227.4	4190.8
20°	4538.5	4553.1	4549.5	4575.1	4597.0	4545.8	4498.2	4490.9	4399.4	4414.0	4362.8
22.5°	4802.0	4791.0	4809.3	4827.6	4813.0	4805.7	4761.8	4706.8	4626.3	4589.7	4582.4
25°	5080.2	5061.9	5028.9	5072.9	5094.8	5127.8	5043.6	5014.3	4889.9	4835.0	4838.6
27.5°	5318.1	5343.7	5380.3	5398.6	5453.5	5442.5	5384.0	5288.8	5193.6	5131.4	5091.2
30°	5643.8	5658.5	5720.7	5746.3	5841.5	5867.1	5775.6	5665.8	5497.4	5416.9	5369.3
32.5°	5944.0	6046.4	6042.8	6170.9	6324.6	6430.7	6266.0	6097.7	5929.3	5834.2	5750.0
35°	6430.7	6412.4	6518.6	6654.0	6902.9	7023.7	6844.3	6650.3	6394.1	6240.4	6174.5
37.5°	6884.6	6891.9	7034.7	7250.6	7536.1	7722.7	7565.4	7246.9	6983.4	6785.8	6694.3
40°	7543.4	7558.0	7704.4	7949.7	8271.8	8473.1	8290.1	7968.0	7616.6	7462.9	7462.9
42.5°	8315.7	8377.9	8473.1	8685.3	8974.5	9197.8	9033.1	8780.5	8425.5	8227.8	8257.1
45°	9109.9	9139.2	9201.4	9516.2	9651.6	9761.4	9607.7	9490.6	9252.7	9011.1	8970.8
47.5°	9852.9	9863.9	10046.9	10145.7	10251.9	10160.4	10259.2	10105.5	9838.3	9604.0	9556.4
50°	10182.3	10164.0	10423.9	10724.0	10804.5	10643.5	10559.3	10456.8	10050.6	9768.7	9644.3
52.5°	9223.4	9329.5	9812.6	10647.1	11276.7	11412.1	10921.6	10449.5	9691.9	9142.9	9058.7
54°	8125.4	8224.2	8623.1	9860.2	11170.5	11628.0	10837.5	9834.6	8765.9	8114.4	8030.2
55°	7038.3	6928.5	7653.2	8915.9	10672.8	11437.7	10504.4	9040.4	7817.9	7221.3	7104.2
57.5°	3810.1	3828.4	4439.7	5632.8	7499.5	8769.5	7744.7	6116.0	4619.0	3949.2	3890.7
60°	1207.8	1237.1	1504.3	2276.6	3583.2	4278.6	3667.4	2455.9	1698.3	1361.5	1306.6
62.5°	377.0	391.6	428.2	636.9	980.9	1401.8	1098.0	658.8	490.4	450.2	457.5
65°	230.6	230.6	234.2	248.9	292.8	340.4	329.4	289.1	278.2	270.8	267.2
67.5°	150.1	146.4	153.7	164.7	172.0	175.7	186.7	197.6	194.0	186.7	186.7
70°	91.5	87.8	95.2	109.8	113.5	120.8	131.8	146.4	142.7	135.4	139.1
72.5°	51.2	51.2	54.9	65.9	76.9	84.2	95.2	106.1	109.8	106.1	106.1
75°	18.3	22.0	29.3	40.3	47.6	58.6	69.5	80.5	91.5	84.2	80.5
77.5°	7.3	7.3	14.6	25.6	36.6	47.6	65.9	76.9	84.2	76.9	69.5
80°	3.7	3.7	11.0	22.0	32.9	43.9	54.9	65.9	69.5	62.2	54.9
82.5°	3.7	3.7	11.0	22.0	32.9	40.3	58.6	65.9	73.2	65.9	54.9
85°	0.0	3.7	11.0	22.0	29.3	32.9	32.9	22.0	18.3	11.0	11.0
87.5°	0.0	0.0	3.7	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)