

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: P383552

Luminaire Tested: **GAN-SA8C-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55620.9 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

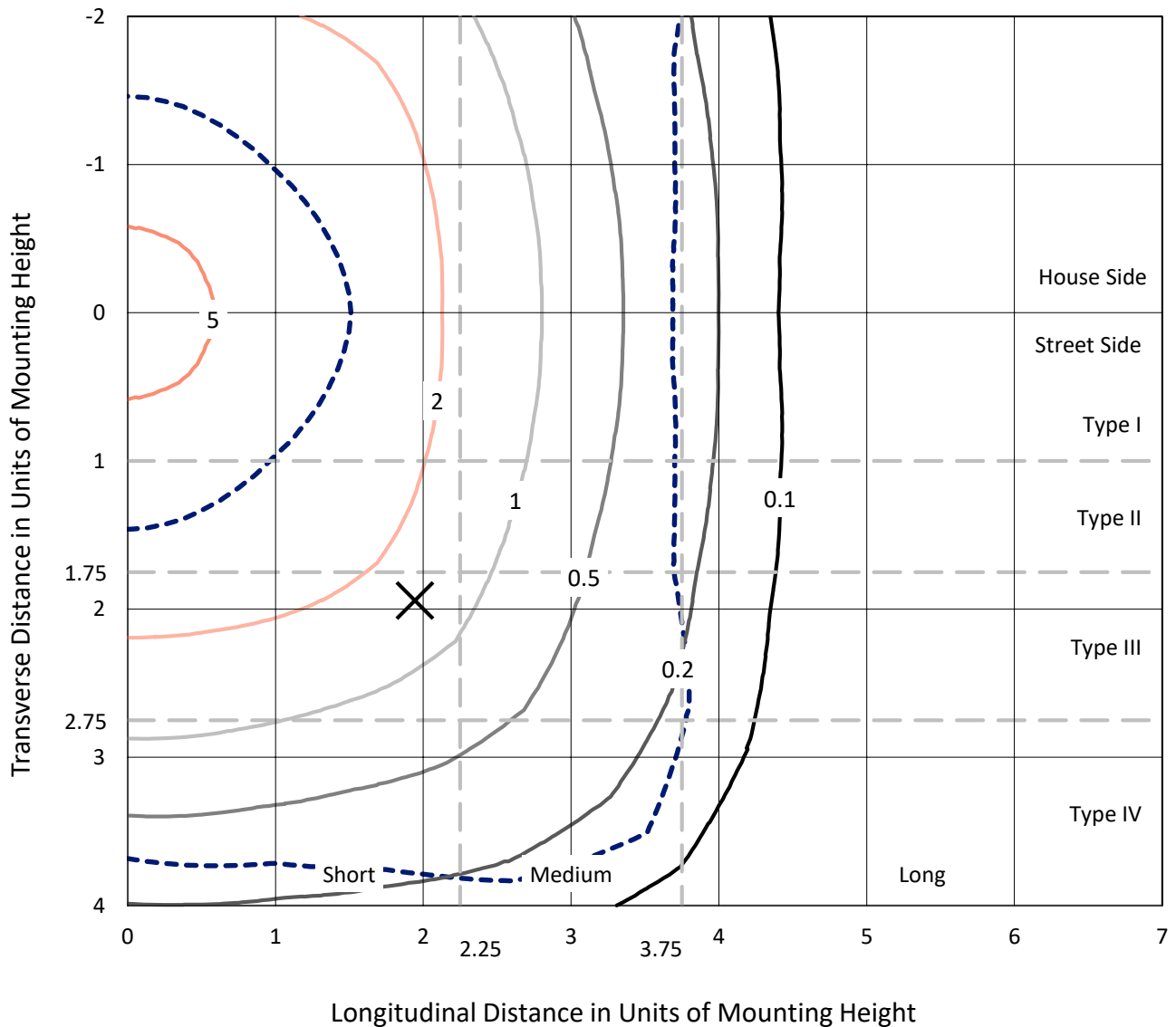
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

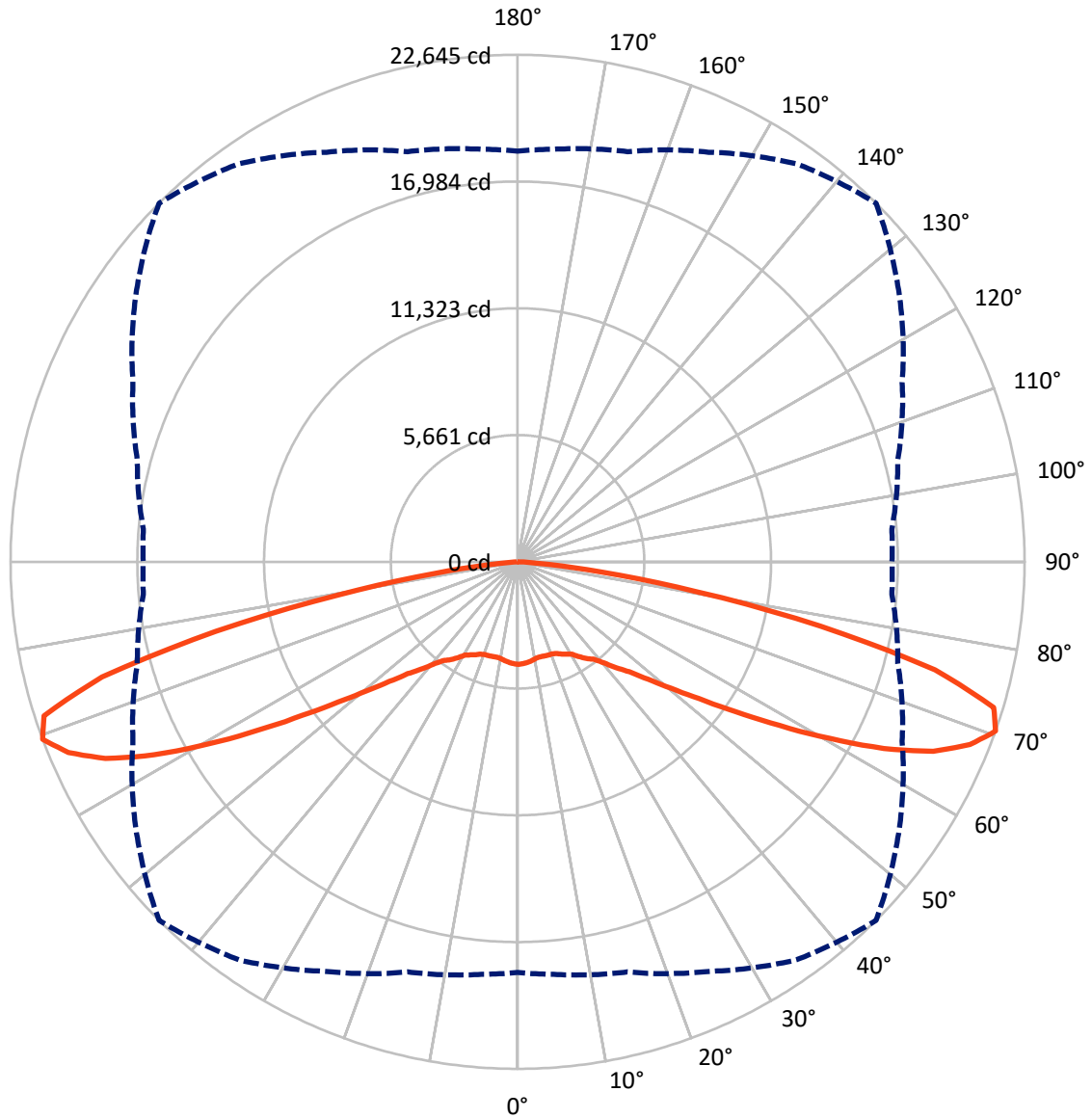
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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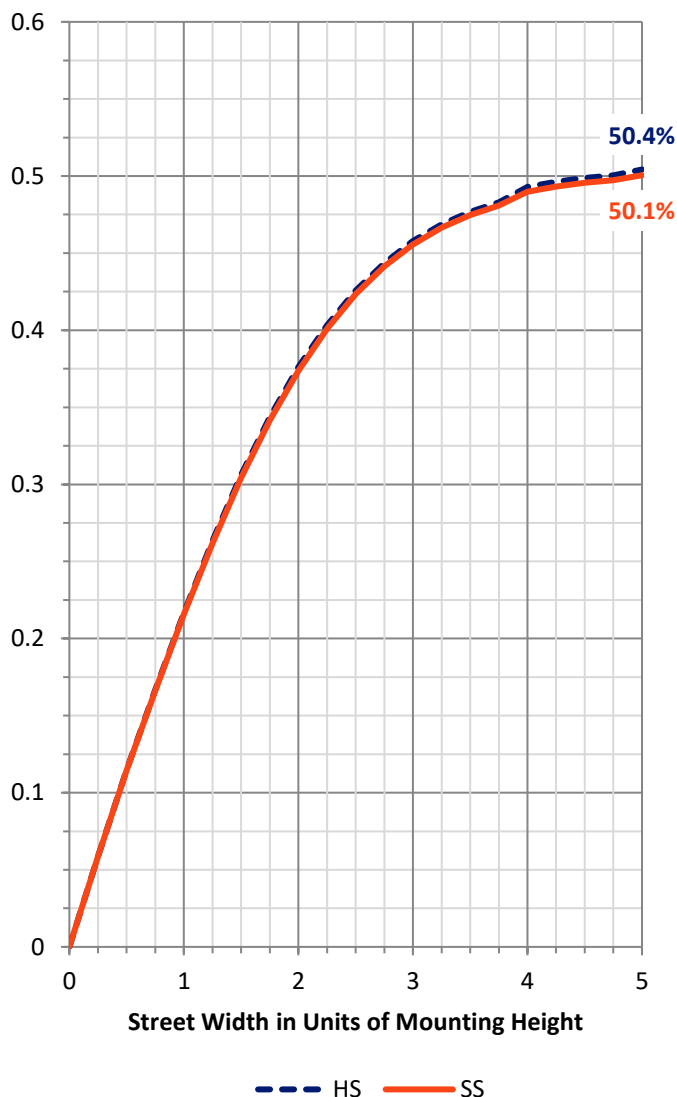
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27810.4	0.0	27810.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27810.4	0.0	27810.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	55620.9	0.0	55620.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.2	0.8
10°-20°	1248.0	2.2
20°-30°	2127.8	3.8
30°-40°	3324.7	6.0
40°-50°	5634.7	10.1
50°-60°	10275.2	18.5
60°-70°	17689.5	31.8
70°-80°	13865.7	24.9
80°-90°	1028.1	1.8
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°	55620.9	100.0
0°-180°	55620.9	100.0

Coefficient of Utilization



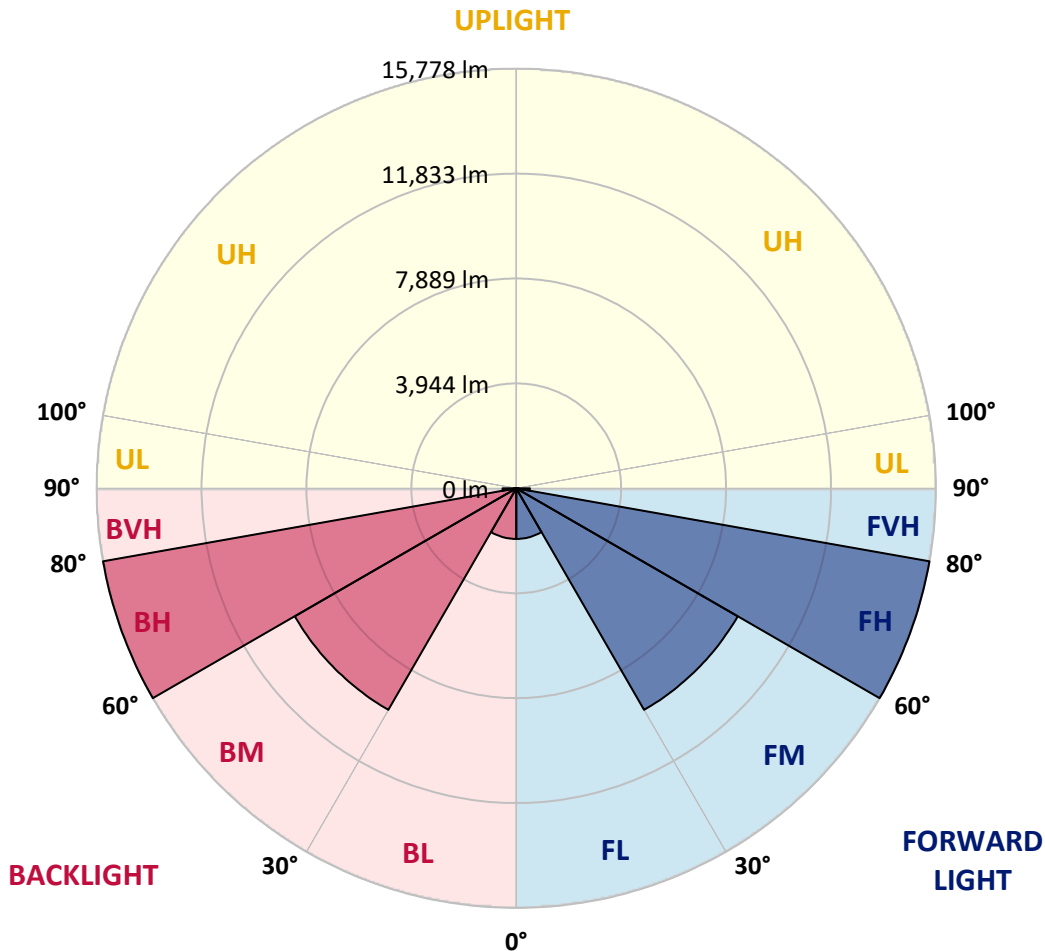
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1901.5	3.4			
FM (30°-60°)	9617.3	17.3			
FH (60°-80°)	15777.6	28.4			G5
FVH (80°-90°)	514.1	0.9			G4/750
BL (0°-30°)	1901.5	3.4	B3/2500		
BM (30°-60°)	9617.3	17.3	B5		
BH (60°-80°)	15777.6	28.4	B5		G5
BVH (80°-90°)	514.1	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6
2.5°	4557.4	4562.9	4557.4	4561.0	4551.8	4555.5	4555.5	4555.5	4553.7	4555.5	4551.8
5°	4516.9	4520.5	4513.2	4516.9	4511.4	4516.9	4518.8	4516.9	4513.2	4515.0	4507.7
7.5°	4456.2	4459.9	4454.3	4459.9	4452.5	4461.6	4459.9	4454.3	4448.8	4448.8	4441.4
10°	4423.1	4424.9	4410.1	4404.6	4388.1	4391.8	4397.3	4402.8	4408.4	4419.4	4417.5
12.5°	4424.9	4424.9	4402.8	4378.9	4355.0	4360.5	4369.7	4389.9	4412.0	4432.2	4434.1
15°	4443.3	4441.4	4408.4	4369.7	4353.1	4369.7	4375.2	4388.1	4423.1	4458.0	4459.9
17.5°	4456.2	4456.2	4404.6	4360.5	4358.6	4384.4	4382.6	4388.1	4426.7	4478.2	4480.1
20°	4480.1	4480.1	4413.9	4366.0	4366.0	4393.6	4395.4	4404.6	4443.3	4500.3	4509.5
22.5°	4533.5	4535.2	4465.4	4426.7	4430.4	4446.9	4452.5	4467.2	4502.2	4564.8	4575.8
25°	4608.9	4612.6	4540.8	4518.8	4531.6	4562.9	4559.2	4570.3	4608.9	4669.6	4680.7
27.5°	4713.7	4704.6	4638.4	4629.1	4642.0	4664.1	4662.2	4664.1	4695.4	4750.5	4763.5
30°	4849.9	4846.2	4798.4	4803.9	4798.4	4791.0	4792.9	4807.6	4824.1	4868.3	4881.2
32.5°	4982.4	4986.0	4956.6	4984.2	5024.7	5052.2	5010.0	4969.5	4951.1	4975.0	4986.0
35°	5221.6	5230.7	5184.8	5166.4	5221.6	5302.6	5182.9	5116.7	5153.5	5184.8	5193.9
37.5°	5628.1	5633.7	5556.4	5482.8	5442.4	5519.6	5400.0	5405.6	5534.3	5593.2	5591.3
40°	6091.9	6093.6	6042.1	5977.7	5907.9	5926.2	5878.4	5893.2	5977.7	6031.1	6045.8
42.5°	6643.8	6638.3	6557.3	6465.3	6445.1	6463.4	6382.5	6371.5	6468.9	6564.7	6566.5
45°	7359.5	7346.7	7241.8	7140.6	7043.1	7002.5	6982.3	7035.7	7170.0	7258.3	7260.1
47.5°	8130.4	8095.4	8040.3	7959.3	7874.7	7834.2	7801.1	7826.9	7924.3	7959.3	7963.0
50°	8923.4	8930.7	8941.7	8910.5	8879.2	8866.4	8779.8	8730.2	8759.6	8695.3	8686.0
52.5°	9863.6	9878.3	9985.0	10075.2	10128.5	10156.1	9992.3	9821.2	9725.5	9600.4	9563.6
55°	10973.0	10996.9	11153.3	11403.5	11661.1	11797.3	11501.1	11180.9	10884.7	10651.0	10575.6
57.5°	12209.4	12251.7	12467.0	12947.2	13475.2	13797.2	13296.7	12715.3	12143.2	11806.4	11747.6
60°	13659.2	13699.7	13997.7	14685.8	15541.4	16025.3	15267.2	14316.0	13604.0	13282.0	13173.5
62.5°	15385.0	15388.7	15754.8	16558.8	17688.5	18361.9	17335.3	16063.9	15329.8	14941.7	14836.8
65°	17241.5	17250.7	17629.6	18498.1	19666.4	20398.7	19239.5	17914.9	17017.0	16444.8	16363.8
67.5°	18553.3	18591.9	18991.2	20036.2	21129.1	21789.6	20590.0	19092.3	18054.7	17372.1	17304.0
70°	18343.6	18494.4	18963.6	20183.4	21703.1	22645.2	20809.0	18952.5	17583.7	16777.8	16720.7
72.5°	15997.7	16286.5	16912.2	18512.8	20943.2	22240.4	19614.9	16974.7	15425.5	14739.2	14636.2
75°	10893.9	11363.0	12306.9	14616.0	17892.8	19256.1	16512.9	13534.1	12077.0	11127.5	11057.7
77.5°	4857.3	4963.9	6159.9	8818.5	12347.4	13828.5	11997.8	8853.4	6645.7	5300.7	5017.3
80°	1354.2	1370.7	1828.8	3284.2	6180.2	8124.9	6634.6	3449.8	1939.2	1367.0	1287.9
82.5°	430.6	467.4	570.4	851.9	2077.3	3707.4	2132.4	919.9	655.0	522.5	471.0
85°	209.8	207.9	288.9	345.9	529.9	820.6	564.8	426.8	373.5	248.4	224.5
87.5°	88.3	90.2	134.3	121.5	154.5	132.5	182.1	191.3	200.6	110.4	95.7
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)