

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: P316202

Luminaire Tested: **GAN-SA8B-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316202
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-SA8B-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48240 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

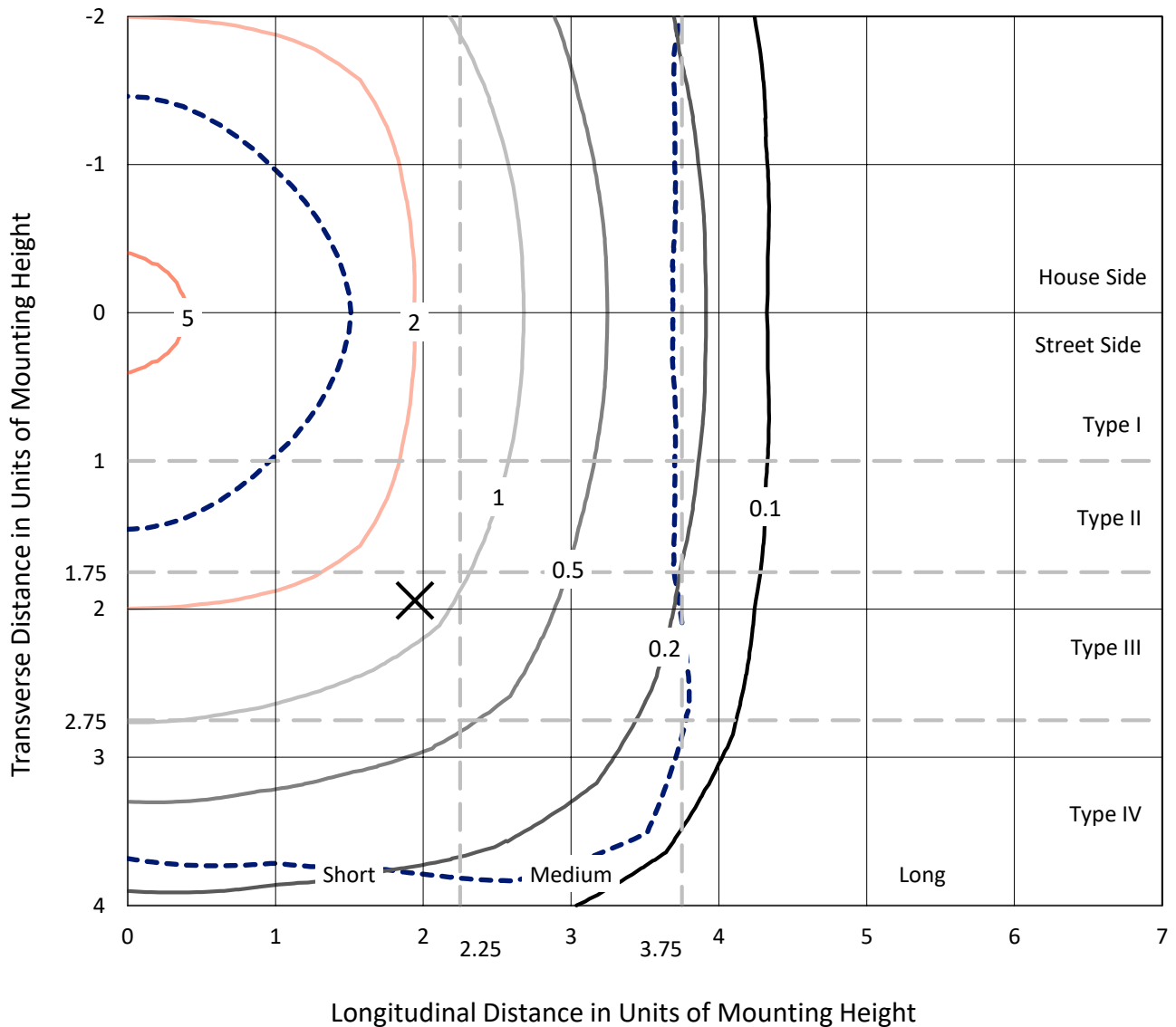
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

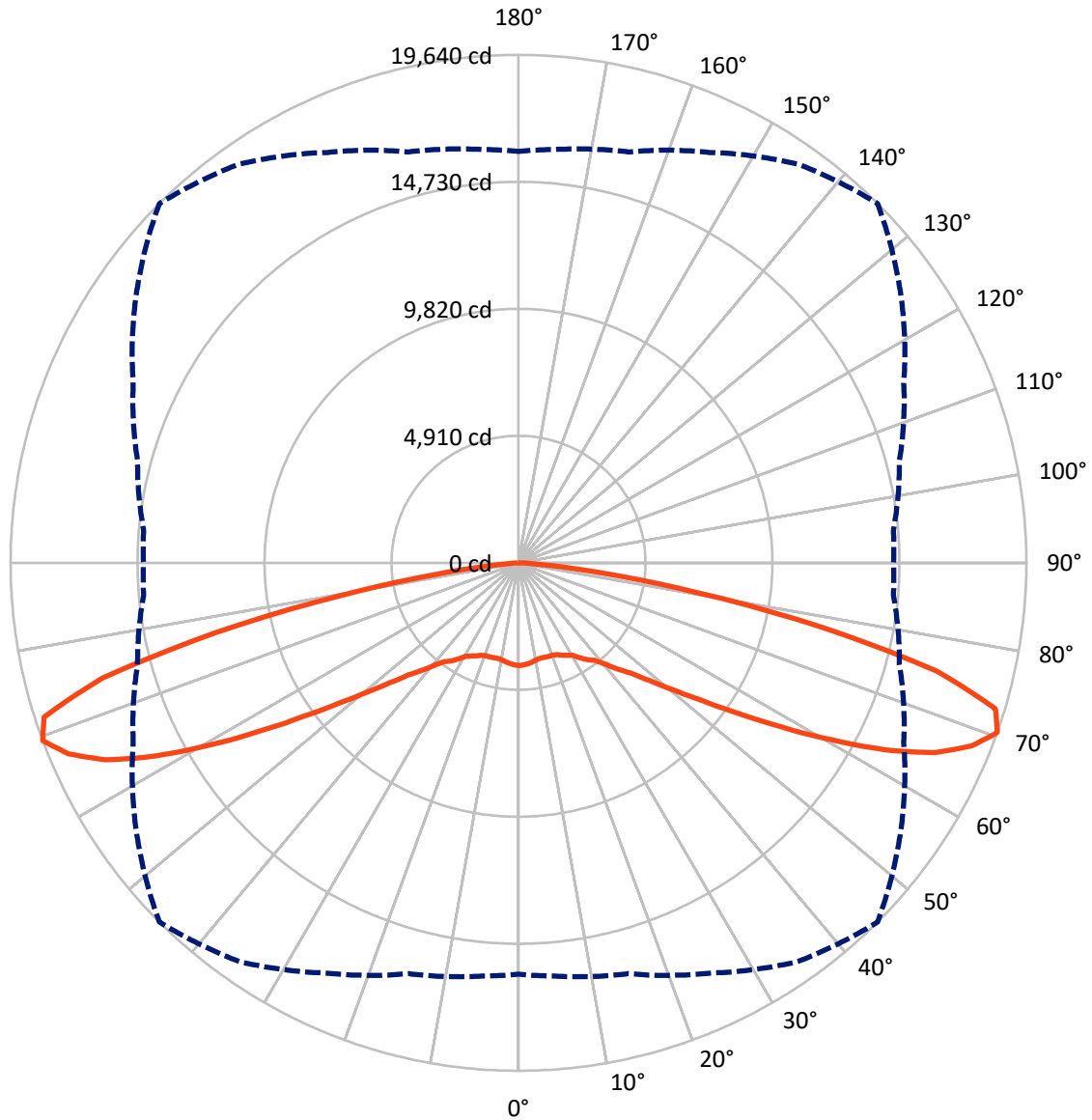
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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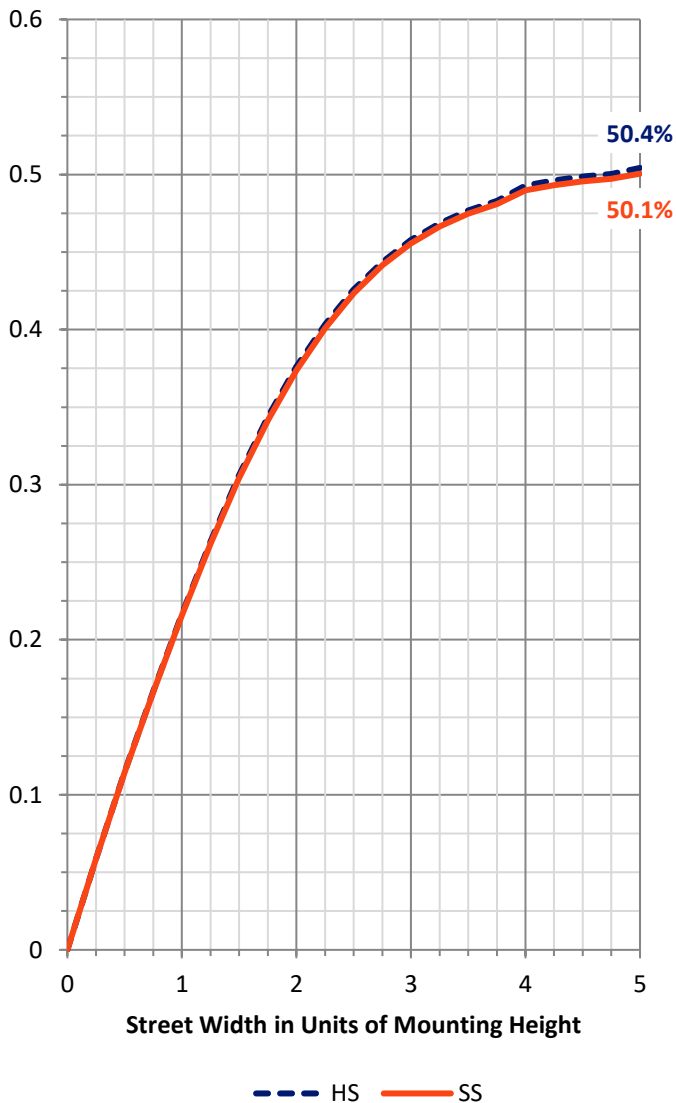
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24120.0	0.0	24120.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24120.0	0.0	24120.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48240.0	0.0	48240.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.6	0.8
10°-20°	1082.4	2.2
20°-30°	1845.4	3.8
30°-40°	2883.5	6.0
40°-50°	4886.9	10.1
50°-60°	8911.7	18.5
60°-70°	15342.1	31.8
70°-80°	12025.7	24.9
80°-90°	891.7	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°	48240.0	100.0
0°-180°	48240.0	100.0

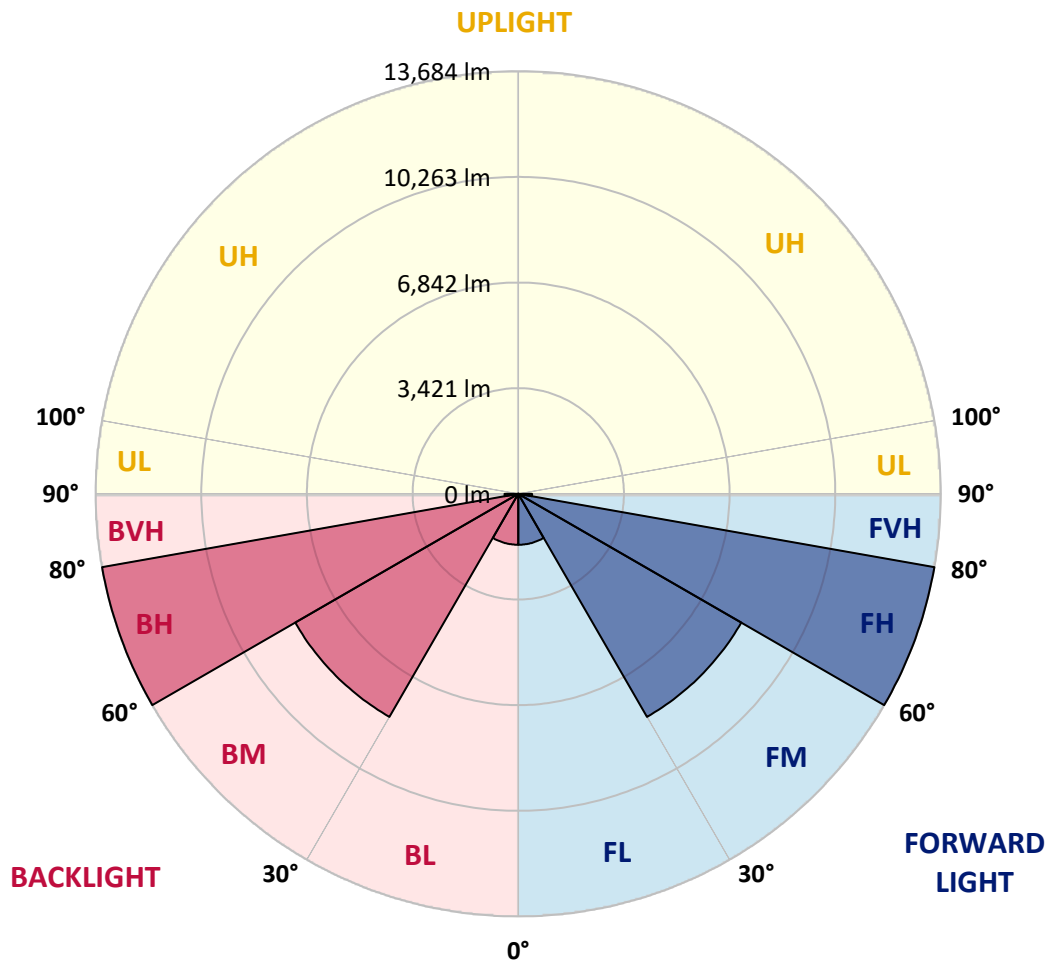


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1649.2	3.4			
FM (30°-60°)	8341.1	17.3			
FH (60°-80°)	13683.9	28.4			G5
FVH (80°-90°)	445.8	0.9			G3/500
BL (0°-30°)	1649.2	3.4	B3/2500		
BM (30°-60°)	8341.1	17.3	B4/8500		
BH (60°-80°)	13683.9	28.4	B5		G5
BVH (80°-90°)	445.8	0.9			G3/500
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°	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2
2.5°	3952.6	3957.4	3952.6	3955.8	3947.8	3951.0	3951.0	3951.0	3949.4	3951.0	3947.8
5°	3917.5	3920.7	3914.3	3917.5	3912.7	3917.5	3919.1	3917.5	3914.3	3915.9	3909.5
7.5°	3864.8	3868.0	3863.2	3868.0	3861.6	3869.6	3868.0	3863.2	3858.5	3858.5	3852.1
10°	3836.1	3837.7	3824.9	3820.2	3805.8	3809.0	3813.8	3818.6	3823.4	3832.9	3831.3
12.5°	3837.7	3837.7	3818.6	3797.8	3777.1	3781.9	3789.8	3807.4	3826.5	3844.1	3845.7
15°	3853.7	3852.1	3823.4	3789.8	3775.5	3789.8	3794.6	3805.8	3836.1	3866.4	3868.0
17.5°	3864.8	3864.8	3820.2	3781.9	3780.3	3802.6	3801.0	3805.8	3839.3	3884.0	3885.6
20°	3885.6	3885.6	3828.1	3786.7	3786.7	3810.6	3812.2	3820.2	3853.7	3903.1	3911.1
22.5°	3931.9	3933.5	3872.8	3839.3	3842.5	3856.9	3861.6	3874.4	3904.7	3959.0	3968.6
25°	3997.3	4000.5	3938.2	3919.1	3930.3	3957.4	3954.2	3963.8	3997.3	4049.9	4059.5
27.5°	4088.2	4080.3	4022.8	4014.8	4026.0	4045.2	4043.6	4045.2	4072.3	4120.2	4131.3
30°	4206.3	4203.1	4161.6	4166.4	4161.6	4155.3	4156.9	4169.6	4184.0	4222.3	4233.5
32.5°	4321.2	4324.4	4298.9	4322.8	4357.9	4381.9	4345.2	4310.0	4294.1	4314.8	4324.4
35°	4528.7	4536.6	4496.7	4480.8	4528.7	4598.9	4495.2	4437.7	4469.6	4496.7	4504.7
37.5°	4881.3	4886.1	4819.1	4755.3	4720.1	4787.2	4683.4	4688.2	4799.9	4851.0	4849.4
40°	5283.4	5285.0	5240.4	5184.5	5123.9	5139.8	5098.3	5111.1	5184.5	5230.8	5243.5
42.5°	5762.2	5757.4	5687.2	5607.4	5589.8	5605.8	5535.6	5526.0	5610.6	5693.5	5695.1
45°	6382.9	6371.7	6280.8	6193.0	6108.4	6073.3	6055.8	6102.0	6218.5	6295.1	6296.7
47.5°	7051.5	7021.2	6973.3	6903.1	6829.7	6794.6	6765.9	6788.2	6872.8	6903.1	6906.3
50°	7739.3	7745.6	7755.2	7728.1	7701.0	7689.8	7614.8	7571.7	7597.2	7541.4	7533.4
52.5°	8554.7	8567.4	8660.0	8738.2	8784.5	8808.4	8666.4	8518.0	8435.0	8326.5	8294.6
55°	9516.9	9537.6	9673.3	9890.3	10113.7	10231.8	9974.9	9697.2	9440.3	9237.6	9172.2
57.5°	10589.2	10625.9	10812.6	11229.1	11687.1	11966.3	11532.3	11028.0	10531.8	10239.8	10188.7
60°	11846.6	11881.8	12140.3	12737.1	13479.1	13898.7	13241.3	12416.3	11798.8	11519.5	11425.4
62.5°	13343.4	13346.6	13664.2	14361.5	15341.3	15925.3	15034.9	13932.3	13295.6	12958.9	12867.9
65°	14953.5	14961.5	15290.2	16043.4	17056.7	17691.8	16686.5	15537.6	14758.8	14262.6	14192.4
67.5°	16091.3	16124.8	16471.1	17377.4	18325.3	18898.1	17857.7	16558.8	15658.8	15066.8	15007.8
70°	15909.4	16040.2	16447.1	17505.1	18823.1	19640.2	18047.6	16437.5	15250.3	14551.4	14501.9
72.5°	13874.8	14125.3	14667.9	16056.2	18164.1	19289.1	17012.0	14722.1	13378.5	12783.3	12694.0
75°	9448.3	9855.2	10673.8	12676.4	15518.4	16700.8	14321.6	11738.1	10474.3	9650.9	9590.3
77.5°	4212.7	4305.3	5342.5	7648.3	10708.9	11993.5	10405.7	7678.6	5763.8	4597.3	4351.5
80°	1174.5	1188.8	1586.1	2848.4	5360.0	7046.7	5754.2	2992.0	1681.9	1185.6	1117.0
82.5°	373.4	405.3	494.7	738.8	1801.6	3215.4	1849.4	797.9	568.1	453.2	408.5
85°	181.9	180.3	250.5	300.0	459.6	711.7	489.9	370.2	323.9	215.4	194.7
87.5°	76.6	78.2	116.5	105.3	134.0	114.9	158.0	166.0	173.9	95.7	83.0
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)