

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: P316524

Luminaire Tested: **GAN-SA0B-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59420 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

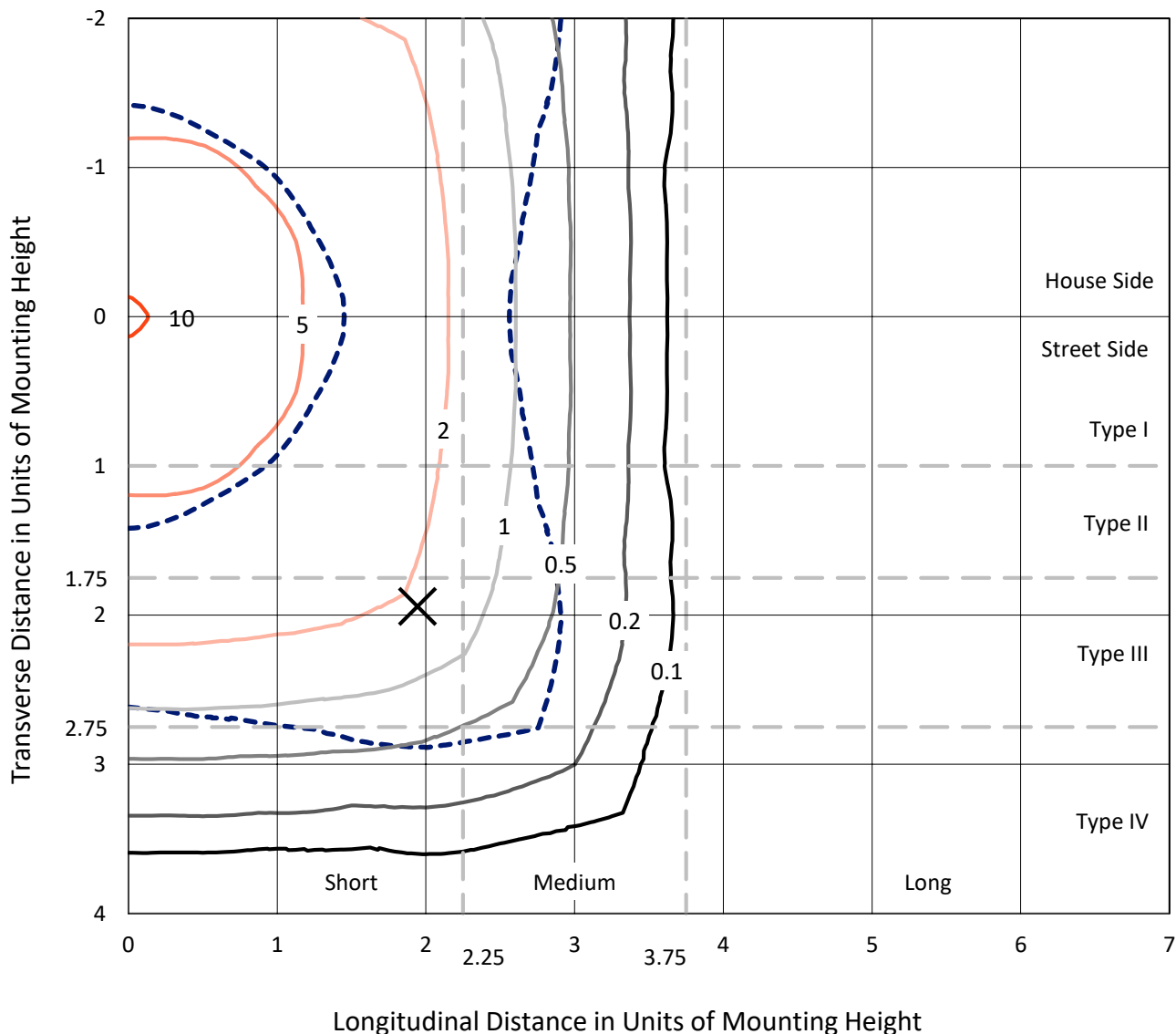
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

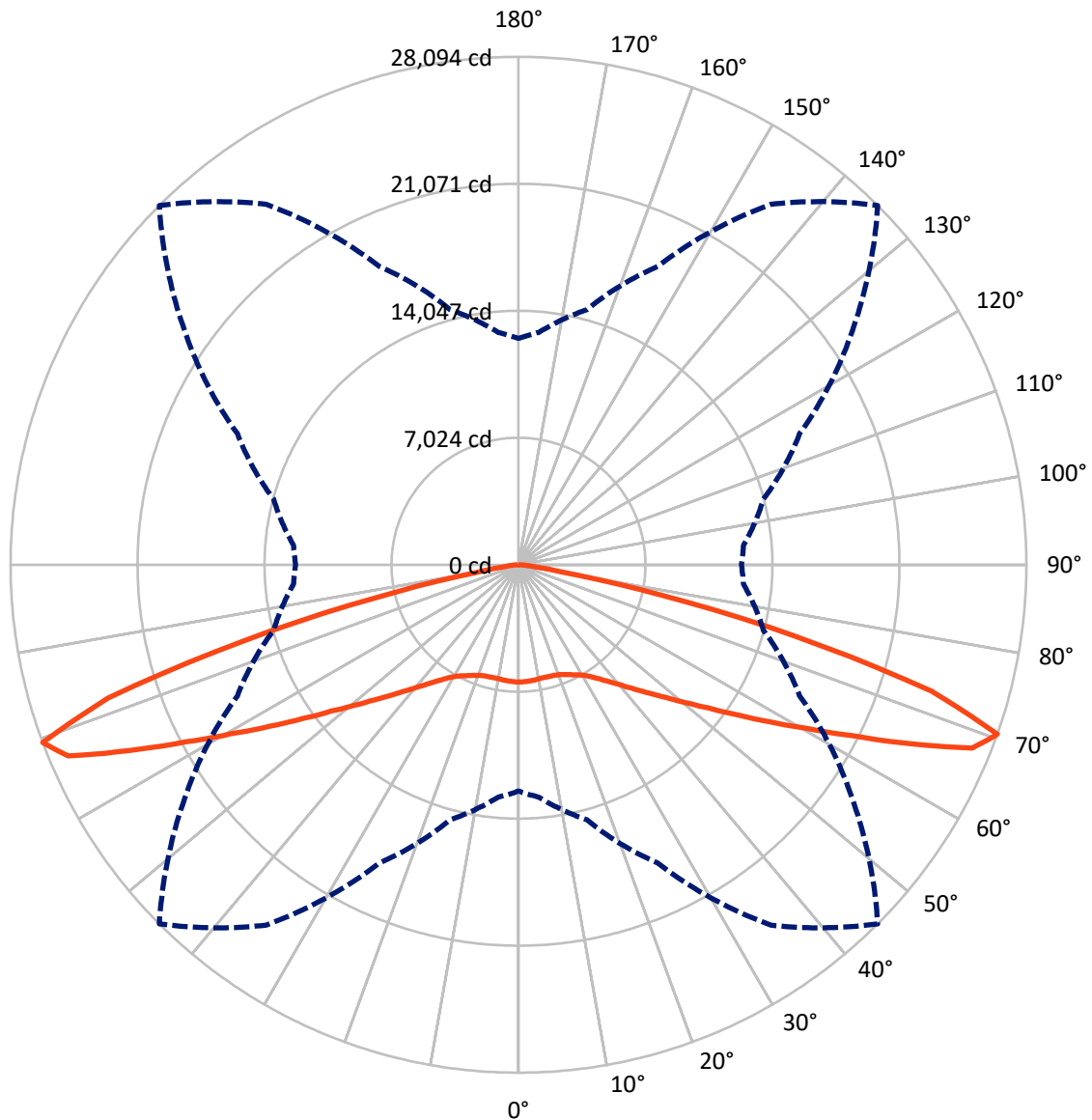
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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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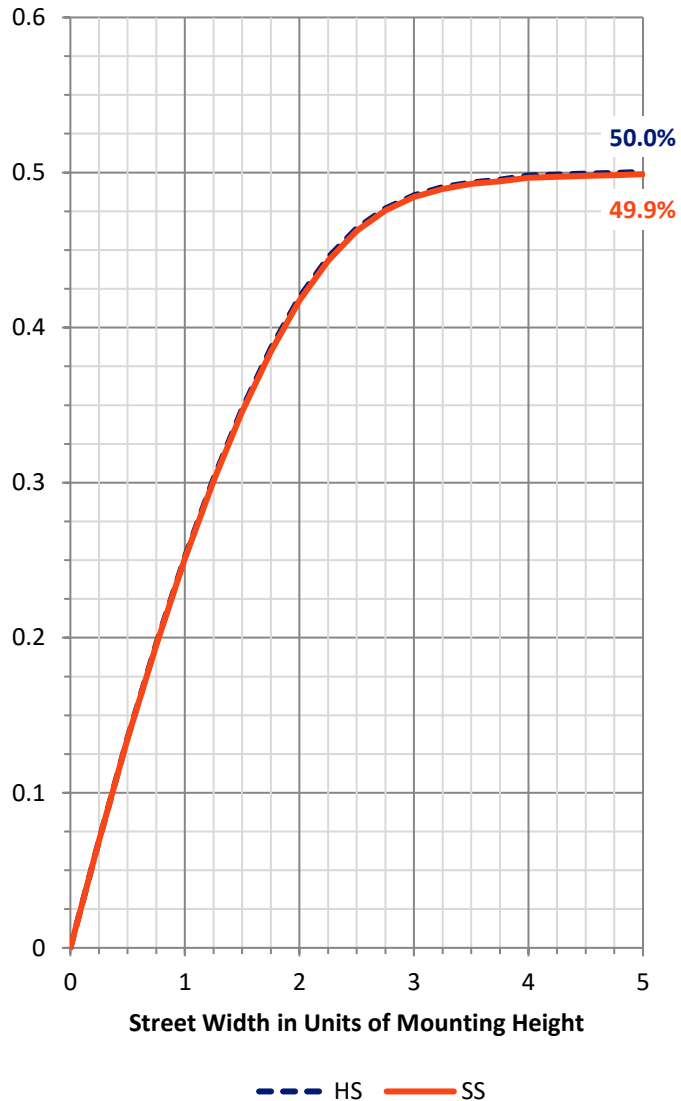
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29710.0	0.0	29710.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29710.0	0.0	29710.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59420.0	0.0	59420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.6	1.0
10°-20°	1804.4	3.0
20°-30°	3071.7	5.2
30°-40°	4871.7	8.2
40°-50°	7927.7	13.3
50°-60°	13071.3	22.0
60°-70°	19189.0	32.3
70°-80°	8485.4	14.3
80°-90°	384.3	0.6
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°	59420.0	100.0
0°-180°	59420.0	100.0

Coefficient of Utilization



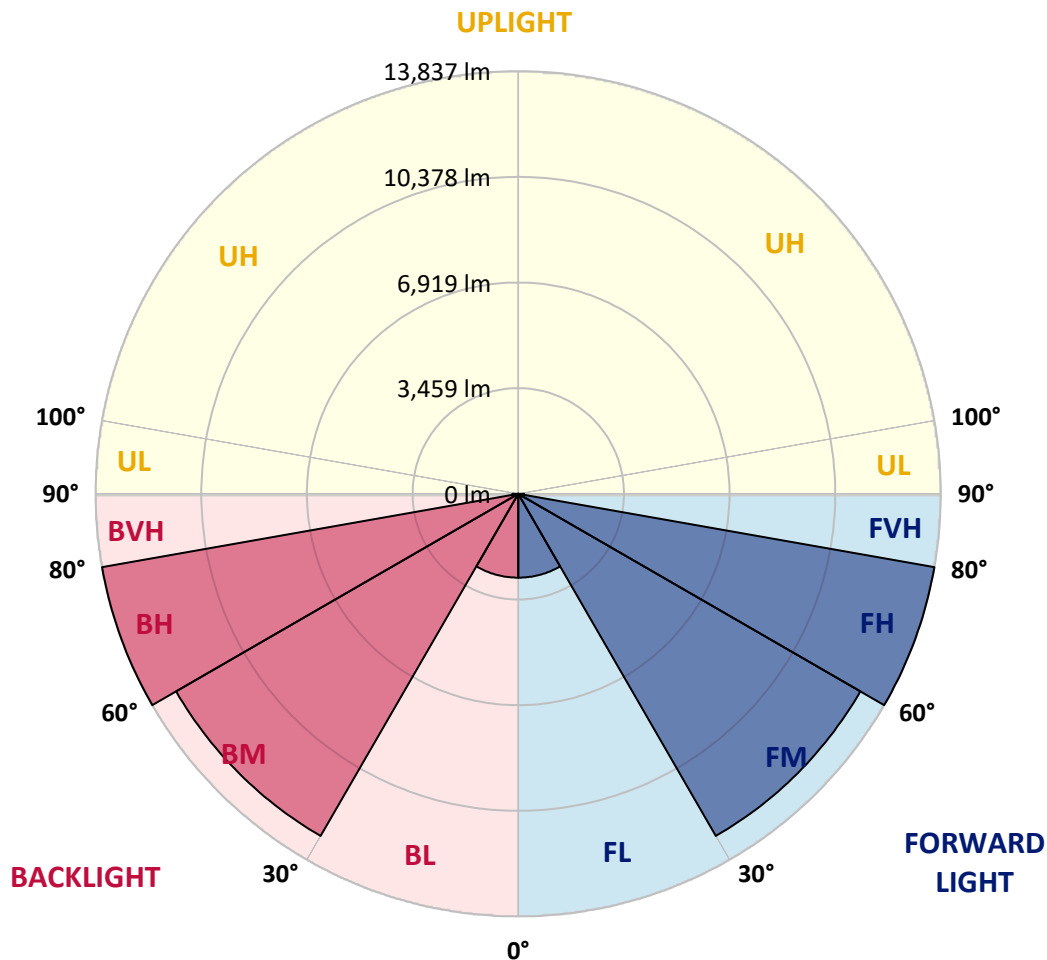
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2745.4	4.6			
FM (30°-60°)	12935.3	21.8			
FH (60°-80°)	13837.2	23.3			G5
FVH (80°-90°)	192.1	0.3			G2/225
BL (0°-30°)	2745.4	4.6	B4/5000		
BM (30°-60°)	12935.3	21.8	B5		
BH (60°-80°)	13837.2	23.3	B5		G5
BVH (80°-90°)	192.1	0.3			G2/225
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°	6489.6	6489.6	6489.6	6489.6	6489.6	6489.6	6489.6	6489.6	6489.6	6489.6	6489.6
2.5°	6479.8	6473.9	6487.6	6485.7	6473.9	6475.8	6475.8	6481.7	6481.7	6477.8	6477.8
5°	6456.2	6452.2	6468.0	6468.0	6456.2	6460.1	6464.0	6469.9	6468.0	6464.0	6462.1
7.5°	6426.7	6424.7	6440.4	6440.4	6432.6	6436.5	6432.6	6434.5	6430.6	6426.7	6420.8
10°	6377.5	6381.4	6395.2	6399.1	6399.1	6401.1	6397.2	6387.3	6381.4	6375.5	6369.6
12.5°	6332.3	6330.3	6350.0	6359.8	6375.5	6393.2	6381.4	6353.9	6342.1	6330.3	6326.4
15°	6302.8	6304.7	6324.4	6342.1	6369.6	6407.0	6393.2	6350.0	6326.4	6312.6	6308.7
17.5°	6296.9	6300.8	6326.4	6357.8	6387.3	6428.6	6420.8	6377.5	6338.2	6312.6	6306.7
20°	6310.6	6312.6	6351.9	6397.2	6448.3	6487.6	6469.9	6422.7	6369.6	6330.3	6320.5
22.5°	6336.2	6344.1	6393.2	6464.0	6542.7	6595.8	6574.2	6493.5	6410.9	6361.8	6348.0
25°	6416.8	6418.8	6485.7	6582.0	6676.4	6737.4	6711.8	6597.7	6491.6	6436.5	6418.8
27.5°	6584.0	6589.9	6656.7	6768.8	6849.5	6888.8	6873.1	6780.6	6690.2	6631.2	6637.1
30°	6825.9	6833.7	6908.5	7032.4	7081.5	7091.4	7087.4	7044.2	6961.6	6882.9	6888.8
32.5°	7120.8	7124.8	7225.1	7337.2	7376.5	7384.4	7376.5	7337.2	7238.8	7132.6	7138.5
35°	7500.4	7512.2	7608.6	7716.7	7748.2	7763.9	7750.1	7699.0	7596.8	7492.5	7488.6
37.5°	7968.4	7970.4	8070.7	8182.8	8222.1	8226.0	8210.3	8176.9	8049.1	7954.7	7948.8
40°	8511.2	8519.1	8637.1	8757.0	8772.7	8755.0	8776.7	8757.0	8625.3	8517.1	8534.8
42.5°	9172.0	9189.7	9331.2	9449.2	9404.0	9394.2	9407.9	9413.8	9307.6	9175.9	9164.1
45°	9940.9	9956.6	10133.6	10228.0	10198.5	10133.6	10161.1	10208.3	10060.8	9897.6	9913.3
47.5°	10817.9	10857.3	11046.1	11134.6	11061.8	10973.3	11026.4	11097.2	10924.1	10721.6	10711.8
50°	11793.4	11842.5	12094.2	12218.1	12145.4	11982.1	12070.6	12117.8	11868.1	11606.5	11584.9
52.5°	12833.7	12882.8	13199.4	13455.1	13407.9	13154.2	13278.1	13228.9	12941.8	12589.8	12562.3
55°	14011.6	14031.3	14373.5	14786.4	14833.6	14646.8	14638.9	14558.3	14133.5	13726.5	13706.8
57.5°	15223.0	15236.8	15679.2	16166.9	16389.2	16389.2	16168.9	15997.8	15433.4	14961.5	14912.3
60°	16530.8	16579.9	17069.6	17732.3	18251.5	18404.9	18015.5	17549.4	16935.9	16359.7	16302.6
62.5°	17694.9	17752.0	18501.2	19488.4	20322.2	20880.7	19928.9	19169.9	18052.9	17128.6	17020.4
65°	17842.4	17995.8	19087.3	20874.8	22741.1	23856.1	22031.2	20161.0	18125.6	16841.5	16731.3
67.5°	16294.8	16554.4	18029.3	20811.9	24668.3	27061.6	23374.3	19594.6	16819.8	15400.0	15278.1
70°	12521.0	12898.5	14599.6	18204.3	24336.0	28094.0	22532.6	17154.1	14023.4	12495.4	12324.3
72.5°	6869.1	7024.5	8554.5	12465.9	19510.1	23873.8	18794.2	12684.2	9299.8	7567.3	7280.1
75°	2178.9	2234.0	3012.7	5101.2	11036.2	15813.0	11938.9	6226.1	3427.7	2527.0	2497.5
77.5°	967.5	973.4	1089.5	1488.7	3801.3	8011.7	4566.3	1695.2	1168.1	1020.6	1054.1
80°	611.6	611.6	674.5	737.5	1034.4	2326.4	1235.0	806.3	688.3	639.1	652.9
82.5°	293.0	324.5	438.5	472.0	568.3	782.7	633.2	527.0	460.2	342.2	318.6
85°	192.7	161.3	277.3	312.7	330.4	375.6	367.7	348.1	300.9	171.1	190.8
87.5°	86.5	82.6	143.6	131.8	123.9	94.4	141.6	175.0	169.1	84.6	84.6
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)