

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: P317204

Luminaire Tested: **GAN-SA0B-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57818 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - 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

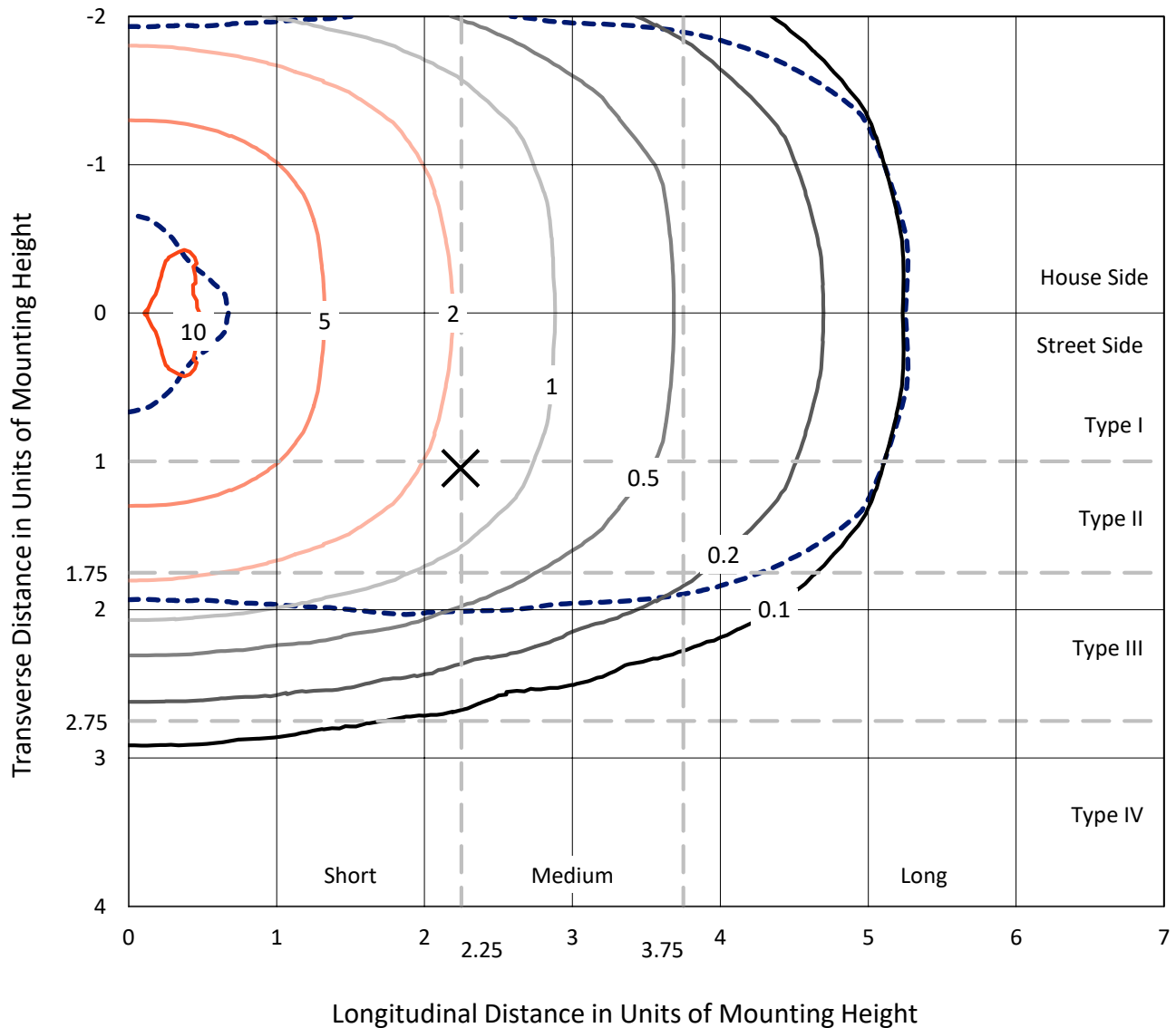


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Iso-Footcandle Lines of Horizontal Illumination

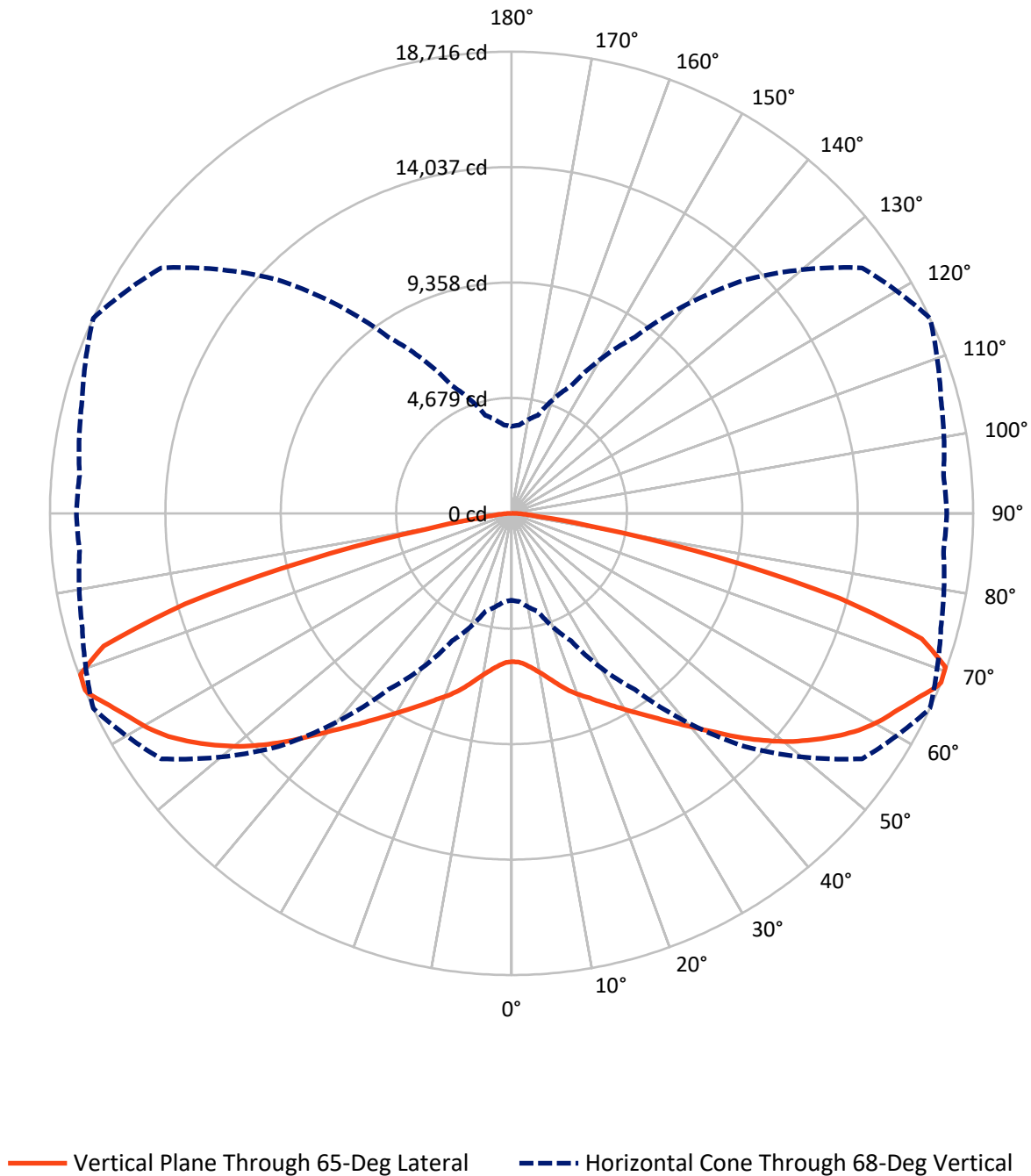
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28909.0	0.0	28909.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28909.0	0.0	28909.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57818.0	0.0	57818.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.6	1.0
10°-20°	1970.8	3.4
20°-30°	3842.6	6.6
30°-40°	6455.3	11.2
40°-50°	10171.3	17.6
50°-60°	13602.4	23.5
60°-70°	13223.3	22.9
70°-80°	7228.5	12.5
80°-90°	735.2	1.3
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°	57818.0	100.0
0°-180°	57818.0	100.0

Coefficient of Utilization



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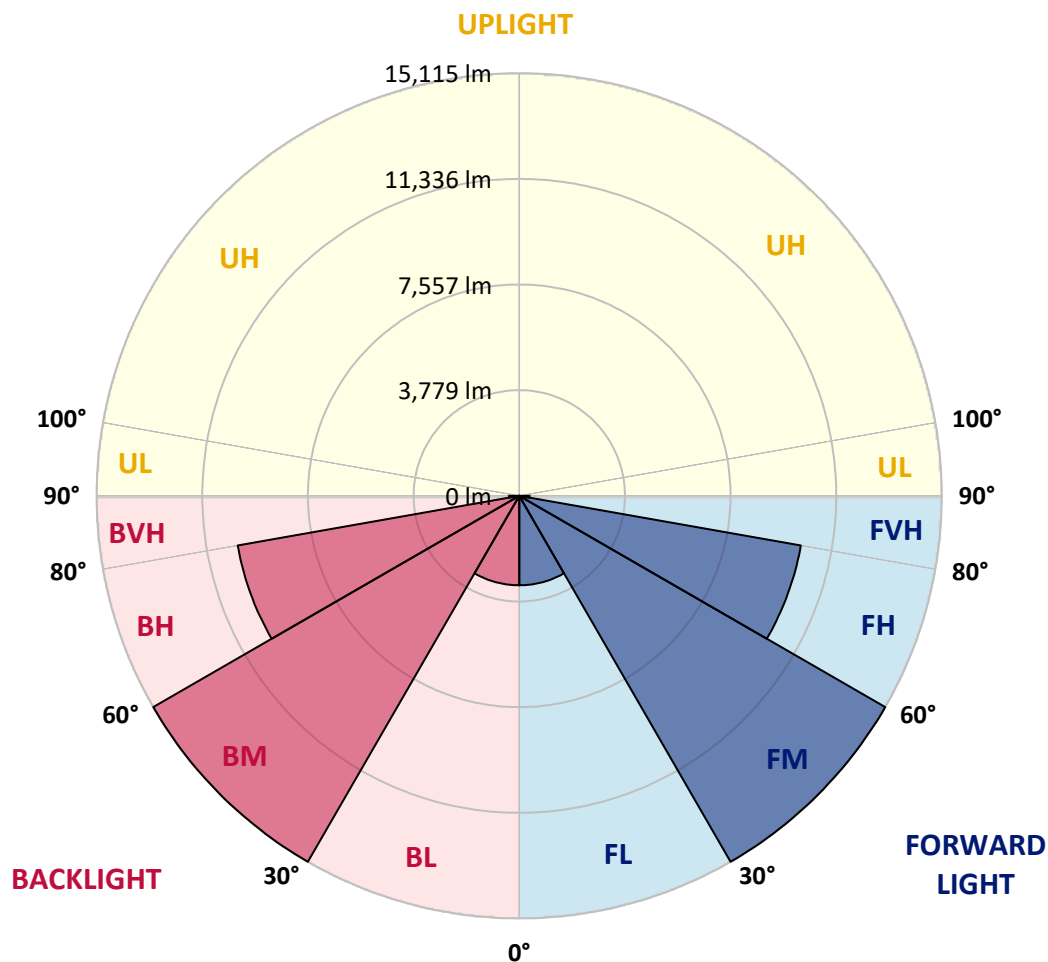
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3201.0	5.5			
FM	(30°-60°)	15114.5	26.1			
FH	(60°-80°)	10225.9	17.7			G4/12000
FVH	(80°-90°)	367.6	0.6			G3/500
BL	(0°-30°)	3201.0	5.5	B4/5000		
BM	(30°-60°)	15114.5	26.1	B5		
BH	(60°-80°)	10225.9	17.7	B5		G5
BVH	(80°-90°)	367.6	0.6			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6011.7	6011.7	6011.7	6011.7	6011.7	6011.7	6011.7	6011.7	6011.7	6011.7	6011.7
2.5°	5969.1	5971.0	5980.7	5992.3	6002.0	6027.2	6033.0	6042.7	6046.6	6056.3	6056.3
5°	5916.7	5920.6	5943.9	5974.9	6009.8	6071.8	6116.4	6166.8	6192.0	6219.1	6217.2
7.5°	5910.9	5920.6	5953.6	6004.0	6062.1	6164.9	6257.9	6358.7	6426.6	6488.6	6484.7
10°	5971.0	5986.5	6033.0	6108.6	6195.9	6323.8	6461.5	6597.2	6715.4	6810.4	6814.3
12.5°	6062.1	6081.5	6155.2	6269.6	6401.4	6566.2	6729.0	6882.2	7045.0	7186.5	7198.2
15°	6182.3	6207.5	6318.0	6488.6	6690.2	6886.0	7060.5	7217.5	7405.6	7601.4	7620.8
17.5°	6360.7	6395.6	6541.0	6771.7	7037.3	7252.4	7434.7	7552.9	7710.0	7911.6	7948.4
20°	6632.1	6676.7	6860.8	7136.1	7459.9	7684.8	7824.3	7849.5	7927.1	8107.4	8150.0
22.5°	6984.9	7023.7	7229.2	7556.8	7919.3	8163.6	8237.3	8136.5	8128.7	8274.1	8314.8
25°	7378.5	7413.3	7651.8	8020.1	8409.8	8679.3	8677.3	8481.5	8345.8	8458.3	8500.9
27.5°	7820.5	7874.7	8103.5	8491.2	8908.0	9173.6	9158.1	8855.7	8597.9	8626.9	8663.8
30°	8328.4	8388.5	8611.4	9005.0	9421.8	9681.6	9662.2	9262.8	8875.1	8797.5	8824.7
32.5°	8958.4	9030.2	9241.5	9629.2	9997.5	10232.1	10175.9	9704.8	9208.5	9039.9	9065.1
35°	9716.4	9759.1	9982.0	10364.0	10662.5	10823.4	10705.2	10216.6	9631.1	9427.6	9427.6
37.5°	10484.1	10517.1	10767.2	11137.5	11426.3	11511.6	11280.9	10776.9	10183.7	9894.8	9900.6
40°	11220.8	11310.0	11591.1	11971.1	12256.1	12279.3	11973.0	11416.6	10798.2	10499.7	10534.6
42.5°	11990.5	12077.7	12413.1	12843.5	13095.5	13134.3	12775.6	12133.9	11492.2	11249.9	11288.7
45°	12676.7	12746.5	13134.3	13634.4	13948.5	14049.3	13624.7	12955.9	12242.5	12006.0	12015.7
47.5°	13155.6	13246.7	13673.2	14262.5	14720.1	14875.2	14458.4	13756.6	12981.1	12694.2	12719.4
50°	13589.8	13638.3	14070.6	14714.3	15295.8	15615.7	15259.0	14547.5	13727.5	13423.1	13450.3
52.5°	13832.2	13894.2	14313.0	14983.7	15671.9	16187.6	15970.5	15259.0	14448.7	14152.0	14185.0
55°	13663.5	13710.0	14212.1	15043.8	15904.6	16540.4	16573.4	15955.0	15156.3	14896.5	14989.5
57.5°	12895.8	12954.0	13566.6	14656.1	15933.7	16778.9	17027.0	16600.5	15817.3	15606.0	15660.3
60°	11695.8	11732.6	12385.9	13611.2	15367.6	16877.8	17315.9	17127.9	16464.8	16253.5	16327.2
62.5°	9557.5	9611.8	10393.0	12035.1	14171.4	16585.0	17595.1	17564.0	17067.8	16873.9	16939.8
65°	6533.2	6628.2	7492.8	9569.1	12327.8	15689.4	17849.0	18072.0	17600.9	17356.6	17443.9
67.5°	3945.1	4014.9	4641.1	6318.0	9433.4	13882.6	17587.3	18649.7	17977.0	17583.4	17655.2
68°	3526.4	3590.4	4113.8	5701.5	8725.8	13372.7	17348.9	18715.6	18017.7	17579.6	17643.5
70°	2130.6	2173.2	2524.1	3524.4	5817.8	10608.2	15722.3	18661.3	18277.5	17633.8	17670.7
72.5°	1388.1	1401.6	1459.8	1808.7	2971.9	5932.2	11800.5	17389.6	18667.1	17949.8	17944.0
75°	1153.5	1145.7	1151.6	1192.3	1465.6	2601.7	6895.7	13737.2	17794.7	17451.6	17329.5
77.5°	975.1	969.3	967.4	969.3	981.0	1256.2	2993.3	8557.1	13617.0	15437.4	15545.9
80°	789.0	781.3	806.5	794.8	759.9	781.3	1254.3	3559.3	6418.8	6905.4	6471.2
82.5°	573.8	544.8	653.3	622.3	593.2	550.6	692.1	1149.6	1531.5	1050.7	738.6
85°	442.0	411.0	496.3	476.9	407.1	281.1	411.0	562.2	620.4	354.8	279.2
87.5°	180.3	190.0	358.6	283.0	238.5	135.7	168.7	224.9	302.4	151.2	116.3
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)