

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: P317124

Luminaire Tested: **GAN-SA0B-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317124
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57819 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

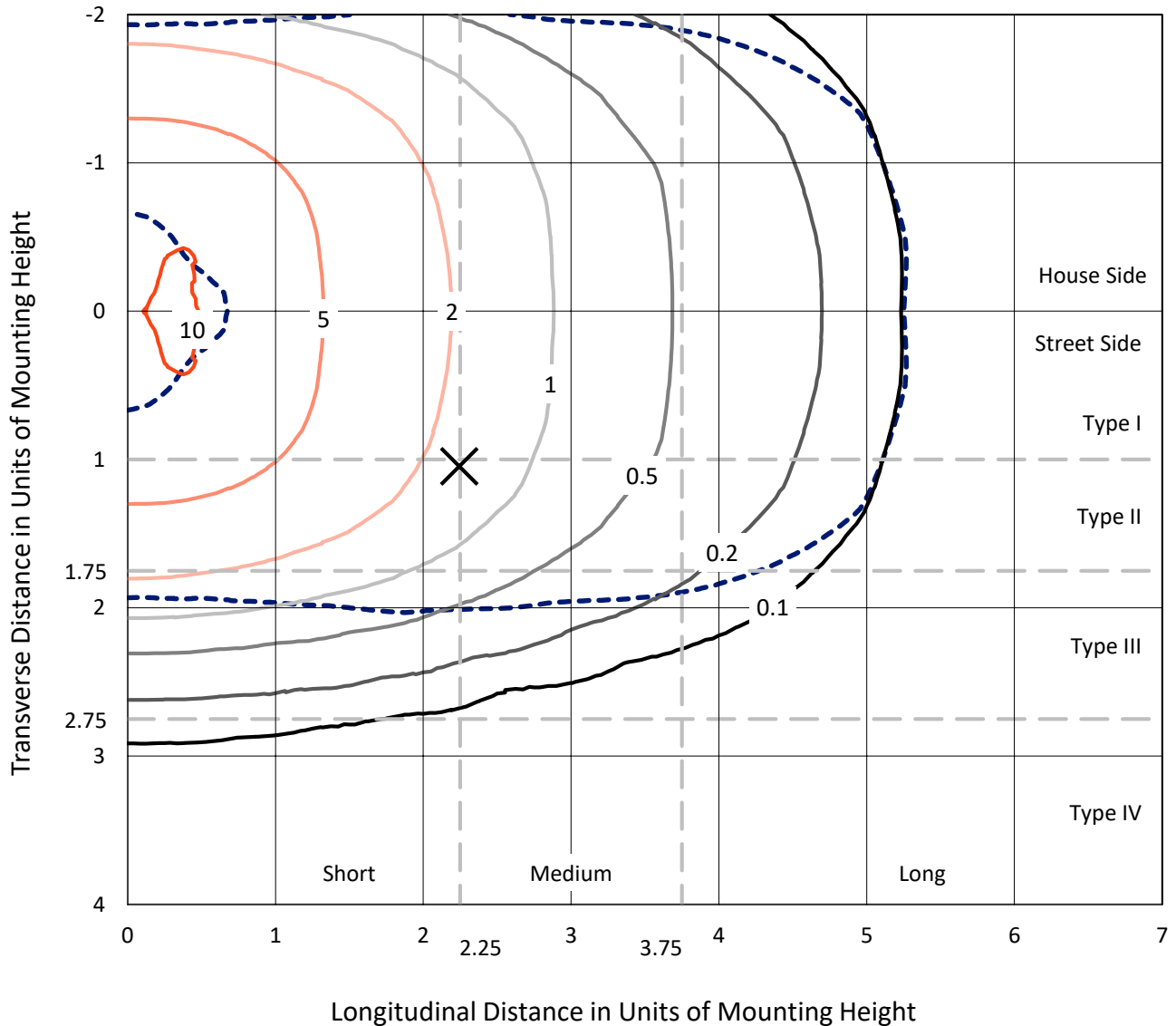
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

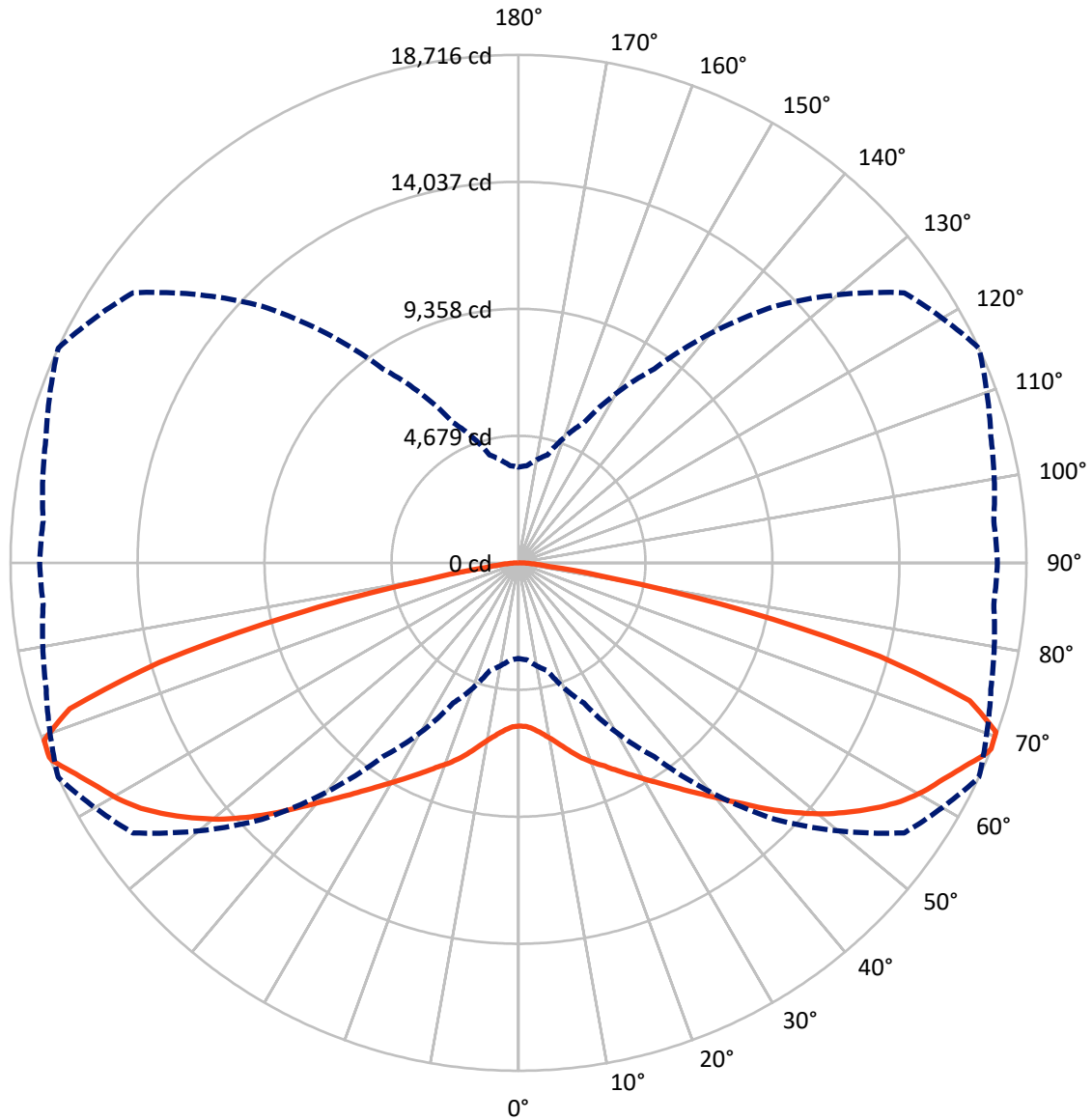
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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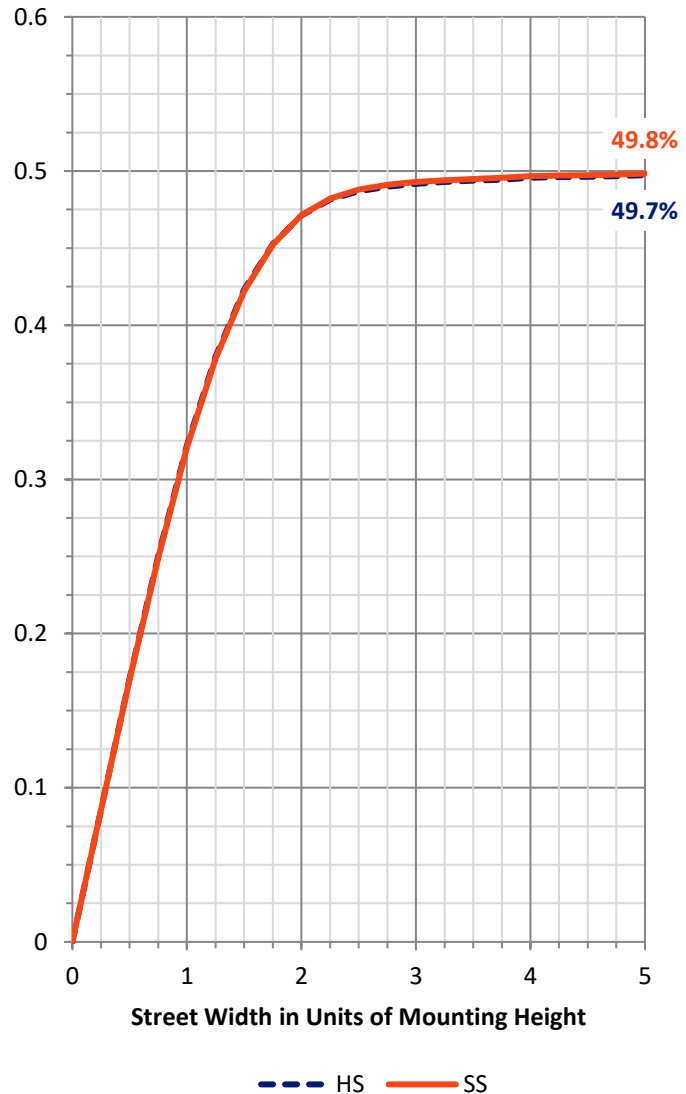
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28909.5	0.0	28909.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28909.5	0.0	28909.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57819.0	0.0	57819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.6	1.0
10°-20°	1970.9	3.4
20°-30°	3842.7	6.6
30°-40°	6455.4	11.2
40°-50°	10171.5	17.6
50°-60°	13602.6	23.5
60°-70°	13223.5	22.9
70°-80°	7228.6	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°	57819.0	100.0
0°-180°	57819.0	100.0

Coefficient of Utilization

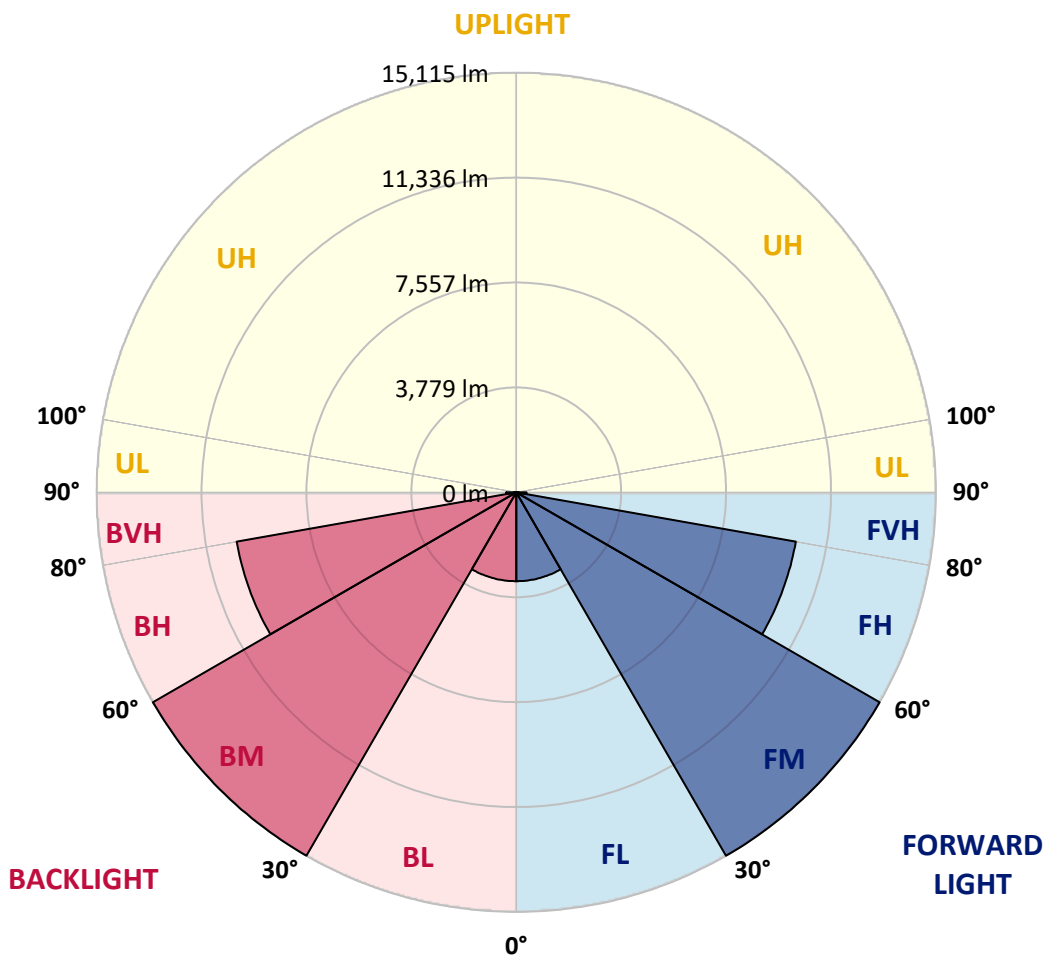


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3201.1	5.5			
FM (30°-60°)	15114.8	26.1			
FH (60°-80°)	10226.0	17.7			G4/12000
FVH (80°-90°)	367.6	0.6			G3/500
BL (0°-30°)	3201.1	5.5	B4/5000		
BM (30°-60°)	15114.8	26.1	B5		
BH (60°-80°)	10226.0	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°	6011.8	6011.8	6011.8	6011.8	6011.8	6011.8	6011.8	6011.8	6011.8	6011.8	6011.8
2.5°	5969.2	5971.1	5980.8	5992.4	6002.1	6027.3	6033.1	6042.8	6046.7	6056.4	6056.4
5°	5916.8	5920.7	5944.0	5975.0	6009.9	6071.9	6116.5	6166.9	6192.1	6219.3	6217.3
7.5°	5911.0	5920.7	5953.7	6004.1	6062.2	6165.0	6258.0	6358.8	6426.7	6488.7	6484.9
10°	5971.1	5986.6	6033.1	6108.7	6196.0	6323.9	6461.6	6597.3	6715.6	6810.5	6814.4
12.5°	6062.2	6081.6	6155.3	6269.7	6401.5	6566.3	6729.1	6882.3	7045.1	7186.6	7198.3
15°	6182.4	6207.6	6318.1	6488.7	6690.3	6886.2	7060.6	7217.7	7405.7	7601.5	7620.9
17.5°	6360.8	6395.7	6541.1	6771.8	7037.4	7252.6	7434.8	7553.1	7710.1	7911.7	7948.5
20°	6632.2	6676.8	6861.0	7136.2	7460.0	7684.9	7824.5	7849.7	7927.2	8107.5	8150.2
22.5°	6985.0	7023.8	7229.3	7556.9	7919.5	8163.7	8237.4	8136.6	8128.8	8274.2	8315.0
25°	7378.6	7413.5	7651.9	8020.3	8410.0	8679.4	8677.5	8481.7	8346.0	8458.4	8501.1
27.5°	7820.6	7874.9	8103.6	8491.4	8908.2	9173.8	9158.3	8855.8	8598.0	8627.1	8663.9
30°	8328.5	8388.6	8611.6	9005.1	9421.9	9681.7	9662.3	9263.0	8875.2	8797.7	8824.8
32.5°	8958.6	9030.3	9241.6	9629.4	9997.7	10232.3	10176.1	9705.0	9208.7	9040.0	9065.2
35°	9716.6	9759.3	9982.2	10364.1	10662.7	10823.6	10705.3	10216.8	9631.3	9427.8	9427.8
37.5°	10484.3	10517.3	10767.4	11137.7	11426.5	11511.8	11281.1	10777.1	10183.8	9895.0	9900.8
40°	11221.0	11310.2	11591.3	11971.3	12256.3	12279.5	11973.2	11416.8	10798.4	10499.8	10534.7
42.5°	11990.7	12077.9	12413.3	12843.7	13095.7	13134.5	12775.8	12134.1	11492.4	11250.1	11288.9
45°	12677.0	12746.8	13134.5	13634.7	13948.7	14049.5	13625.0	12956.1	12242.7	12006.2	12015.9
47.5°	13155.8	13246.9	13673.4	14262.8	14720.3	14875.4	14458.6	13756.8	12981.3	12694.4	12719.6
50°	13590.1	13638.5	14070.9	14714.5	15296.1	15616.0	15259.3	14547.8	13727.7	13423.4	13450.5
52.5°	13832.4	13894.4	14313.2	14984.0	15672.2	16187.9	15970.8	15259.3	14448.9	14152.3	14185.2
55°	13663.7	13710.3	14212.4	15044.1	15904.8	16540.7	16573.7	15955.3	15156.5	14896.7	14989.8
57.5°	12896.0	12954.2	13566.8	14656.3	15933.9	16779.2	17027.3	16600.8	15817.6	15606.3	15660.6
60°	11696.0	11732.8	12386.2	13611.4	15367.8	16878.1	17316.2	17128.1	16465.1	16253.8	16327.5
62.5°	9557.6	9611.9	10393.2	12035.3	14171.7	16585.3	17595.4	17564.3	17068.1	16874.2	16940.1
65°	6533.3	6628.3	7493.0	9569.3	12328.0	15689.7	17849.3	18072.3	17601.2	17356.9	17444.2
67.5°	3945.2	4015.0	4641.2	6318.1	9433.6	13882.8	17587.6	18650.0	17977.3	17583.7	17655.5
68°	3526.4	3590.4	4113.9	5701.6	8726.0	13372.9	17349.2	18715.9	18018.0	17579.9	17643.8
70°	2130.6	2173.2	2524.1	3524.5	5817.9	10608.4	15722.6	18661.6	18277.8	17634.1	17671.0
72.5°	1388.1	1401.7	1459.8	1808.8	2972.0	5932.3	11800.7	17389.9	18667.5	17950.1	17944.3
75°	1153.5	1145.8	1151.6	1192.3	1465.6	2601.7	6895.8	13737.4	17795.1	17451.9	17329.8
77.5°	975.2	969.3	967.4	969.3	981.0	1256.3	2993.3	8557.3	13617.2	15437.6	15546.2
80°	789.0	781.3	806.5	794.9	760.0	781.3	1254.3	3559.4	6418.9	6905.5	6471.3
82.5°	573.8	544.8	653.3	622.3	593.2	550.6	692.1	1149.6	1531.5	1050.8	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	358.7	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)