

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: P317142

Luminaire Tested: **GAN-SA8D-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317142
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-SA8D-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63566 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

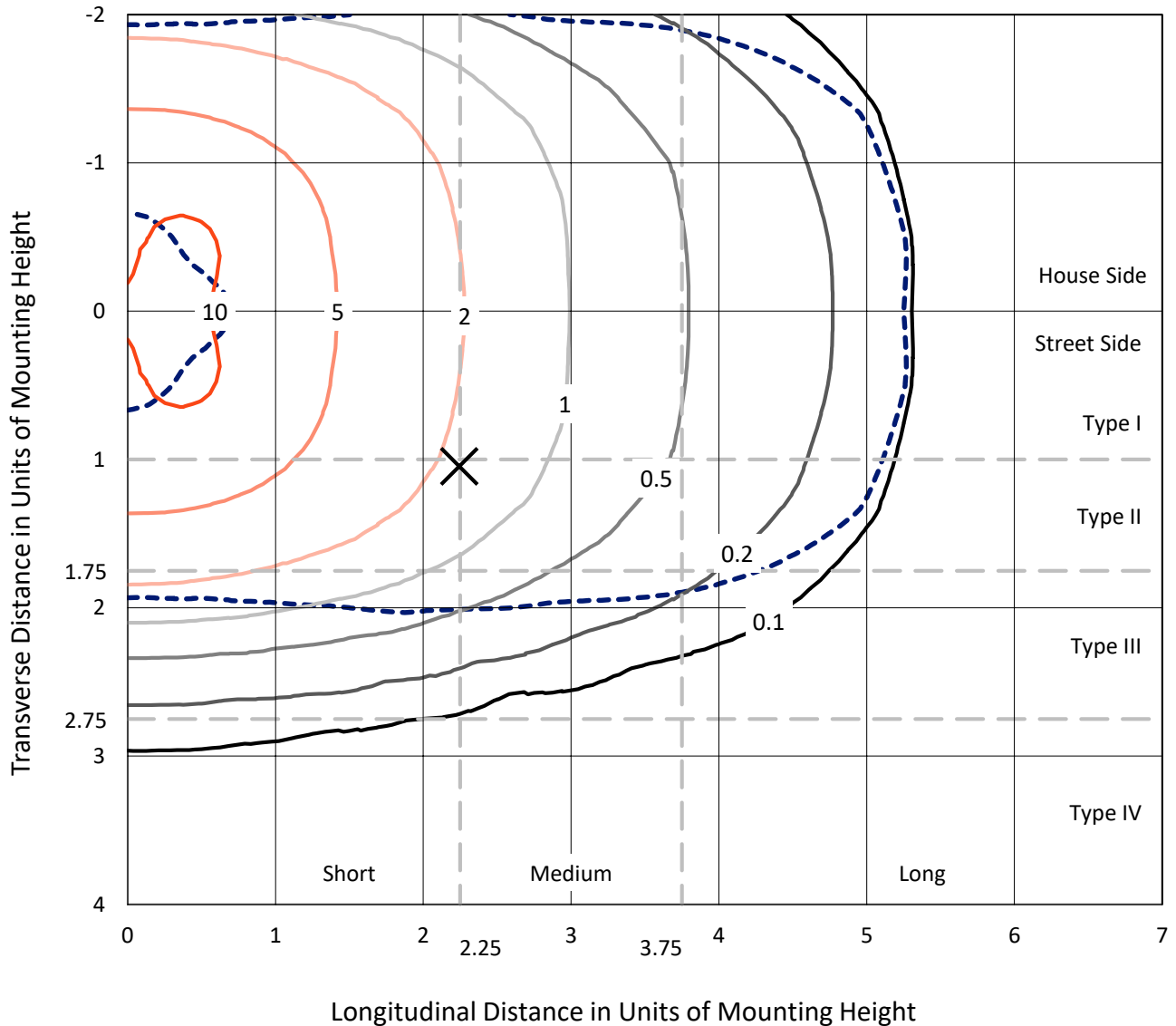
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

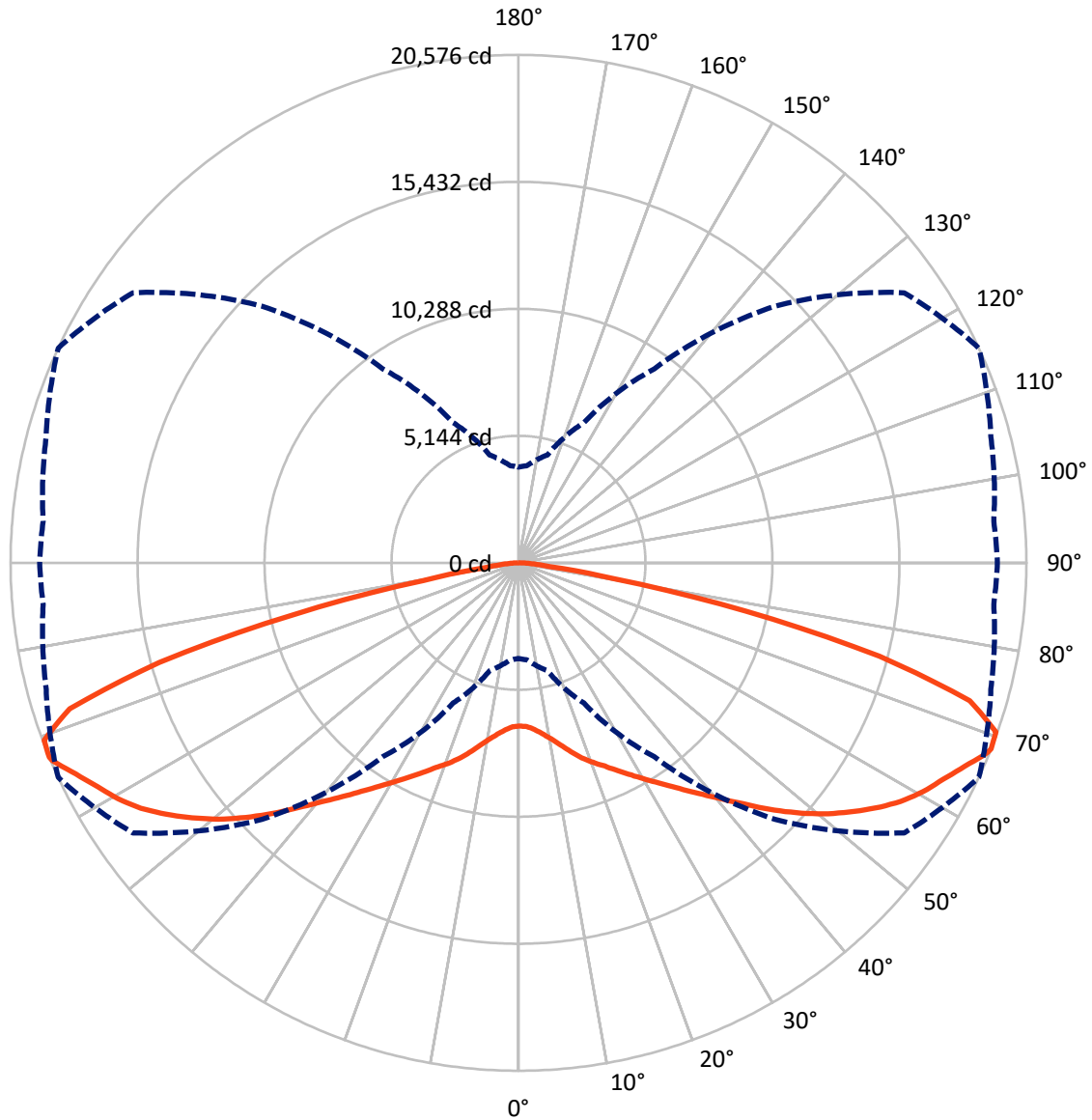
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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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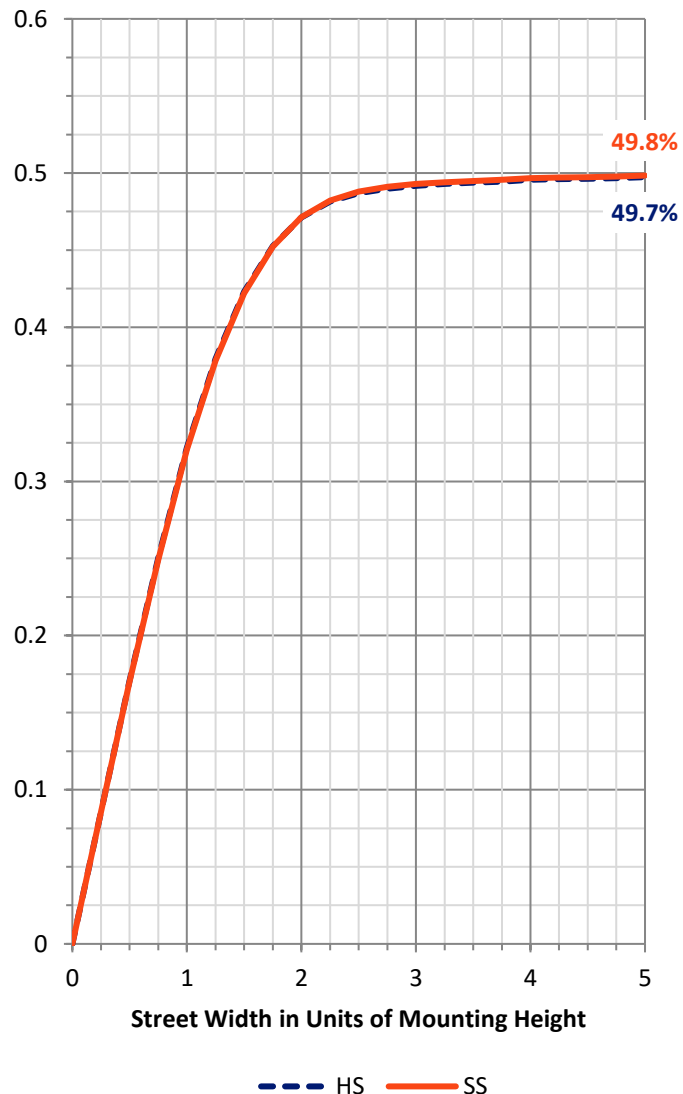
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31783.0	0.0	31783.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31783.0	0.0	31783.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	63566.0	0.0	63566.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	647.1	1.0
10°-20°	2166.8	3.4
20°-30°	4224.7	6.6
30°-40°	7097.1	11.2
40°-50°	11182.5	17.6
50°-60°	14954.7	23.5
60°-70°	14537.8	22.9
70°-80°	7947.1	12.5
80°-90°	808.2	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°	63566.0	100.0
0°-180°	63566.0	100.0

Coefficient of Utilization



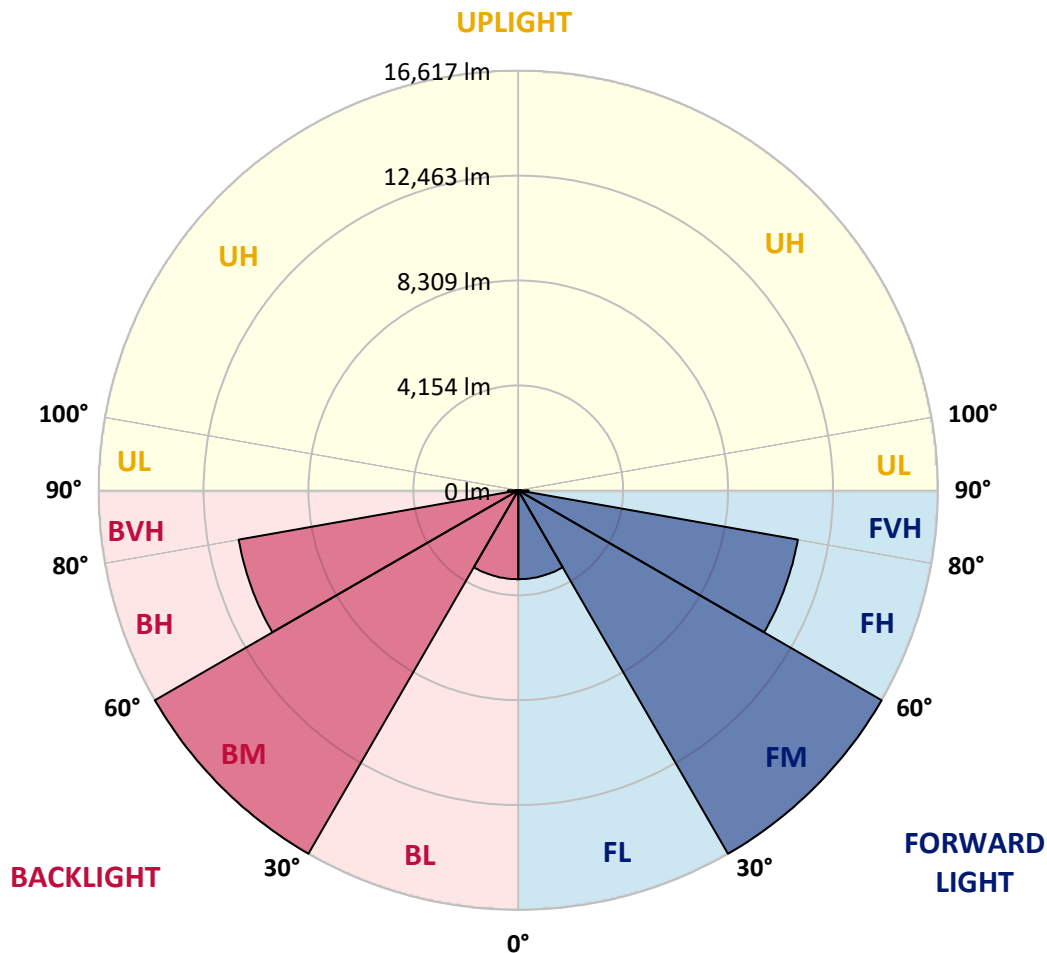
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3519.3	5.5			
FM (30°-60°)	16617.1	26.1			
FH (60°-80°)	11242.5	17.7			G4/12000
FVH (80°-90°)	404.1	0.6			G3/500
BL (0°-30°)	3519.3	5.5	B4/5000		
BM (30°-60°)	16617.1	26.1	B5		
BH (60°-80°)	11242.5	17.7	B5		G5
BVH (80°-90°)	404.1	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°	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4
2.5°	6562.5	6564.6	6575.3	6588.1	6598.7	6626.4	6632.8	6643.5	6647.7	6658.4	6658.4
5°	6504.9	6509.2	6534.8	6568.9	6607.2	6675.4	6724.5	6779.9	6807.6	6837.4	6835.3
7.5°	6498.5	6509.2	6545.4	6600.8	6664.8	6777.7	6880.1	6990.9	7065.5	7133.7	7129.4
10°	6564.6	6581.7	6632.8	6715.9	6811.8	6952.5	7103.8	7253.0	7383.1	7487.5	7491.8
12.5°	6664.8	6686.1	6767.1	6892.8	7037.8	7218.9	7398.0	7566.4	7745.4	7901.0	7913.8
15°	6796.9	6824.6	6946.1	7133.7	7355.3	7570.6	7762.4	7935.1	8141.8	8357.1	8378.4
17.5°	6993.0	7031.4	7191.2	7444.9	7736.9	7973.4	8173.8	8303.8	8476.4	8698.1	8738.6
20°	7291.4	7340.4	7542.9	7845.6	8201.5	8448.7	8602.2	8629.9	8715.2	8913.4	8960.3
22.5°	7679.3	7721.9	7947.9	8308.1	8706.6	8975.2	9056.2	8945.3	8936.8	9096.7	9141.4
25°	8112.0	8150.3	8412.5	8817.5	9245.9	9542.1	9540.0	9324.7	9175.5	9299.2	9346.0
27.5°	8597.9	8657.6	8909.1	9335.4	9793.6	10085.6	10068.6	9736.1	9452.6	9484.6	9525.1
30°	9156.4	9222.4	9467.5	9900.2	10358.4	10644.0	10622.7	10183.7	9757.4	9672.1	9702.0
32.5°	9849.0	9927.9	10160.2	10586.5	10991.5	11249.4	11187.5	10669.6	10124.0	9938.6	9966.3
35°	10682.4	10729.3	10974.4	11394.3	11722.5	11899.4	11769.4	11232.3	10588.6	10364.8	10364.8
37.5°	11526.4	11562.7	11837.6	12244.7	12562.3	12656.1	12402.4	11848.3	11196.1	10878.5	10884.9
40°	12336.4	12434.4	12743.4	13161.2	13474.5	13500.1	13163.3	12551.6	11871.7	11543.5	11581.8
42.5°	13182.5	13278.4	13647.1	14120.3	14397.4	14440.0	14045.7	13340.2	12634.7	12368.3	12410.9
45°	13937.0	14013.7	14440.0	14989.9	15335.2	15446.0	14979.2	14243.9	13459.6	13199.6	13210.2
47.5°	14463.5	14563.6	15032.5	15680.5	16183.5	16354.0	15895.7	15124.2	14271.6	13956.2	13983.9
50°	14940.9	14994.2	15469.5	16177.1	16816.5	17168.2	16776.0	15993.8	15092.2	14757.6	14787.4
52.5°	15207.3	15275.5	15735.9	16473.3	17230.0	17796.9	17558.2	16776.0	15885.1	15559.0	15595.2
55°	15021.9	15073.0	15625.0	16539.4	17485.7	18184.8	18221.1	17541.1	16663.0	16377.4	16479.7
57.5°	14177.9	14241.8	14915.3	16113.1	17517.7	18447.0	18719.8	18250.9	17389.8	17157.5	17217.2
60°	12858.5	12899.0	13617.3	14964.3	16895.3	18555.7	19037.4	18830.6	18101.7	17869.4	17950.4
62.5°	10507.6	10567.3	11426.3	13231.5	15580.3	18233.8	19344.3	19310.2	18764.6	18551.4	18623.9
65°	7182.7	7287.1	8237.7	10520.4	13553.4	17249.2	19623.5	19868.6	19350.7	19082.1	19178.0
67.5°	4337.3	4414.1	5102.5	6946.1	10371.2	15262.7	19335.8	20503.7	19764.2	19331.5	19410.4
68°	3877.0	3947.3	4522.8	6268.3	9593.3	14702.2	19073.6	20576.2	19808.9	19327.2	19397.6
70°	2342.4	2389.3	2775.0	3874.8	6396.2	11662.8	17285.4	20516.5	20094.5	19386.9	19427.4
72.5°	1526.1	1541.0	1604.9	1988.6	3267.4	6522.0	12973.6	19118.4	20522.9	19734.3	19727.9
75°	1268.2	1259.6	1266.0	1310.8	1611.3	2860.3	7581.3	15102.9	19563.8	19186.6	19052.3
77.5°	1072.1	1065.7	1063.6	1065.7	1078.5	1381.1	3290.8	9407.9	14970.7	16972.1	17091.4
80°	867.5	858.9	886.6	873.9	835.5	858.9	1379.0	3913.2	7057.0	7591.9	7114.5
82.5°	630.9	598.9	718.3	684.2	652.2	605.3	760.9	1263.9	1683.8	1155.2	812.1
85°	486.0	451.8	545.6	524.3	447.6	309.0	451.8	618.1	682.0	390.0	306.9
87.5°	198.2	208.9	394.3	311.2	262.2	149.2	185.4	247.2	332.5	166.2	127.9
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)