

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: P317182

Luminaire Tested: **GAN-SA8D-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317182
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63564 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

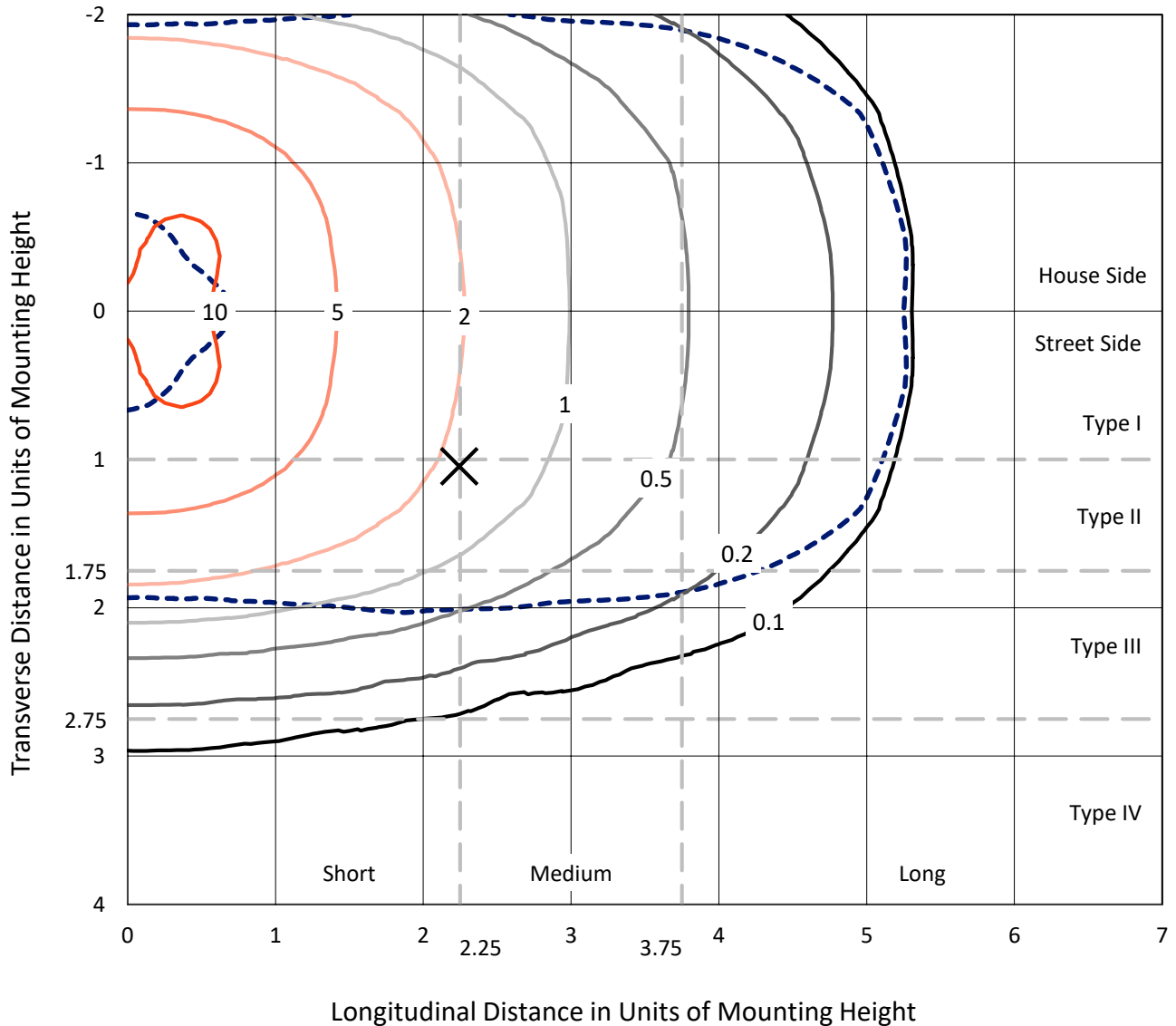
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

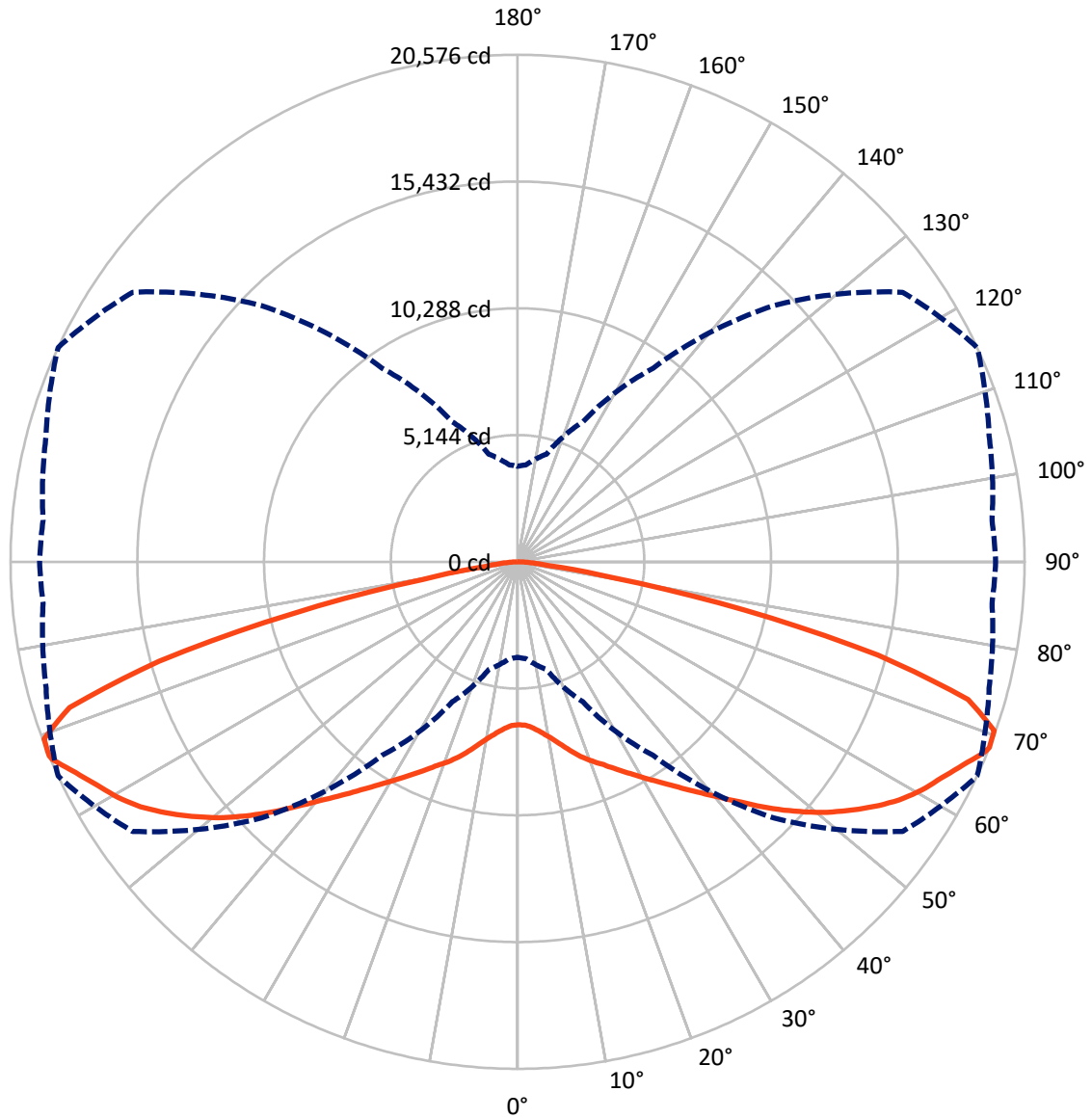
✕ Max cd
 - - - 1/2 Max cd



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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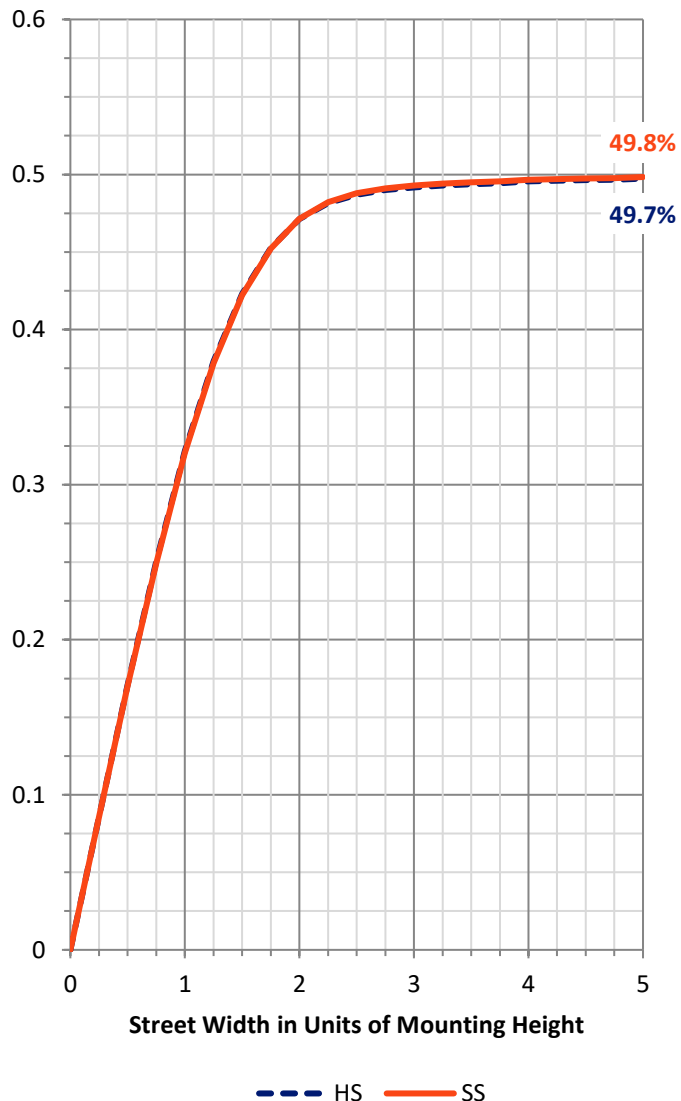
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31782.0	0.0	31782.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31782.0	0.0	31782.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	63564.0	0.0	63564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	647.1	1.0
10°-20°	2166.7	3.4
20°-30°	4224.5	6.6
30°-40°	7096.9	11.2
40°-50°	11182.2	17.6
50°-60°	14954.2	23.5
60°-70°	14537.4	22.9
70°-80°	7946.8	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°	63564.0	100.0
0°-180°	63564.0	100.0

Coefficient of Utilization



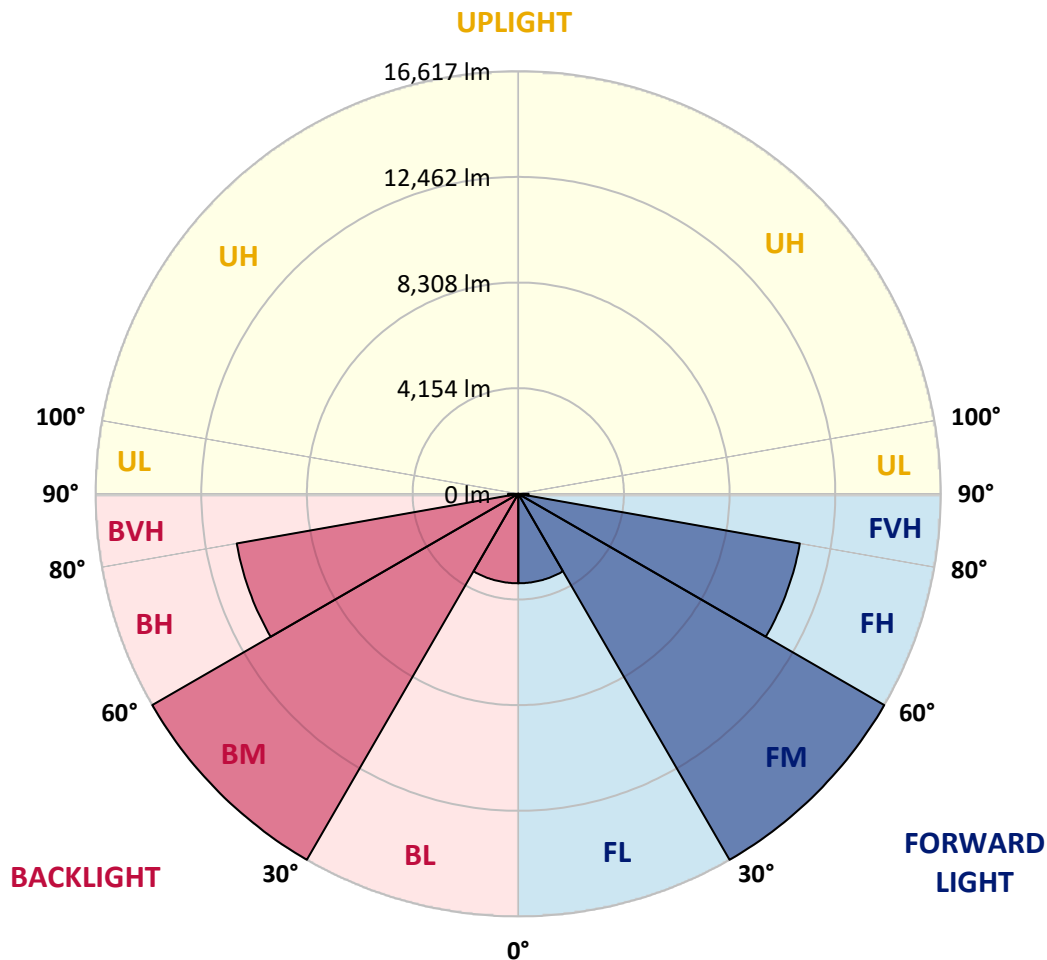
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3519.1	5.5			
FM (30°-60°)	16616.6	26.1			
FH (60°-80°)	11242.1	17.7			G4/12000
FVH (80°-90°)	404.1	0.6			G3/500
BL (0°-30°)	3519.1	5.5	B4/5000		
BM (30°-60°)	16616.6	26.1	B5		
BH (60°-80°)	11242.1	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°	6609.2	6609.2	6609.2	6609.2	6609.2	6609.2	6609.2	6609.2	6609.2	6609.2	6609.2
2.5°	6562.3	6564.4	6575.1	6587.8	6598.5	6626.2	6632.6	6643.3	6647.5	6658.2	6658.2
5°	6504.7	6509.0	6534.6	6568.7	6607.0	6675.2	6724.3	6779.7	6807.4	6837.2	6835.1
7.5°	6498.3	6509.0	6545.2	6600.6	6664.6	6777.5	6879.8	6990.7	7065.3	7133.5	7129.2
10°	6564.4	6581.5	6632.6	6715.7	6811.6	6952.3	7103.6	7252.8	7382.8	7487.3	7491.5
12.5°	6664.6	6685.9	6766.9	6892.6	7037.6	7218.7	7397.7	7566.1	7745.1	7900.7	7913.5
15°	6796.7	6824.4	6945.9	7133.5	7355.1	7570.4	7762.2	7934.8	8141.6	8356.8	8378.1
17.5°	6992.8	7031.2	7191.0	7444.6	7736.6	7973.2	8173.5	8303.5	8476.2	8697.8	8738.3
20°	7291.2	7340.2	7542.7	7845.3	8201.2	8448.5	8601.9	8629.6	8714.9	8913.1	8960.0
22.5°	7679.1	7721.7	7947.6	8307.8	8706.4	8974.9	9055.9	8945.1	8936.5	9096.4	9141.1
25°	8111.7	8150.1	8412.2	8817.2	9245.6	9541.8	9539.7	9324.4	9175.2	9298.9	9345.7
27.5°	8597.7	8657.3	8908.8	9335.1	9793.3	10085.3	10068.3	9735.8	9452.3	9484.3	9524.8
30°	9156.1	9222.1	9467.2	9899.9	10358.1	10643.7	10622.4	10183.3	9757.1	9671.8	9701.7
32.5°	9848.7	9927.6	10159.9	10586.2	10991.1	11249.0	11187.2	10669.3	10123.7	9938.3	9966.0
35°	10682.1	10729.0	10974.1	11393.9	11722.1	11899.0	11769.0	11231.9	10588.3	10364.5	10364.5
37.5°	11526.1	11562.3	11837.2	12244.3	12561.9	12655.7	12402.0	11847.9	11195.7	10878.2	10884.5
40°	12336.0	12434.0	12743.0	13160.8	13474.1	13499.7	13162.9	12551.2	11871.3	11543.1	11581.5
42.5°	13182.1	13278.0	13646.7	14119.9	14396.9	14439.6	14045.3	13339.8	12634.3	12367.9	12410.6
45°	13936.6	14013.3	14439.6	14989.4	15334.7	15445.5	14978.8	14243.5	13459.2	13199.1	13209.8
47.5°	14463.0	14563.2	15032.1	15680.0	16183.0	16353.5	15895.2	15123.7	14271.2	13955.8	13983.5
50°	14940.4	14993.7	15469.0	16176.6	16816.0	17167.6	16775.5	15993.3	15091.7	14757.1	14787.0
52.5°	15206.8	15275.0	15735.4	16472.8	17229.4	17796.4	17557.6	16775.5	15884.6	15558.5	15594.7
55°	15021.4	15072.6	15624.6	16538.9	17485.2	18184.2	18220.5	17540.6	16662.5	16376.9	16479.2
57.5°	14177.4	14241.3	14914.8	16112.6	17517.2	18446.4	18719.2	18250.3	17389.3	17157.0	17216.6
60°	12858.1	12898.6	13616.9	14963.9	16894.8	18555.1	19036.8	18830.0	18101.1	17868.8	17949.8
62.5°	10507.3	10567.0	11425.9	13231.1	15579.8	18233.3	19343.7	19309.6	18764.0	18550.8	18623.3
65°	7182.5	7286.9	8237.5	10520.1	13552.9	17248.6	19622.9	19868.0	19350.1	19081.5	19177.4
67.5°	4337.2	4413.9	5102.3	6945.9	10370.9	15262.2	19335.2	20503.1	19763.5	19330.9	19409.7
68°	3876.8	3947.2	4522.6	6268.2	9593.0	14701.7	19073.0	20575.6	19808.3	19326.6	19397.0
70°	2342.3	2389.2	2775.0	3874.7	6396.0	11662.5	17284.8	20515.9	20093.9	19386.3	19426.8
72.5°	1526.0	1540.9	1604.9	1988.5	3267.3	6521.8	12973.2	19117.8	20522.3	19733.7	19727.3
75°	1268.1	1259.6	1266.0	1310.7	1611.3	2860.2	7581.0	15102.4	19563.2	19186.0	19051.7
77.5°	1072.0	1065.6	1063.5	1065.6	1078.4	1381.1	3290.7	9407.6	14970.2	16971.5	17090.9
80°	867.4	858.9	886.6	873.8	835.5	858.9	1379.0	3913.1	7056.7	7591.7	7114.3
82.5°	630.9	598.9	718.2	684.1	652.2	605.3	760.9	1263.9	1683.7	1155.2	812.0
85°	485.9	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	262.1	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)