

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: P317172

Luminaire Tested: **GAN-SA8C-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317172
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-SA8C-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57944 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

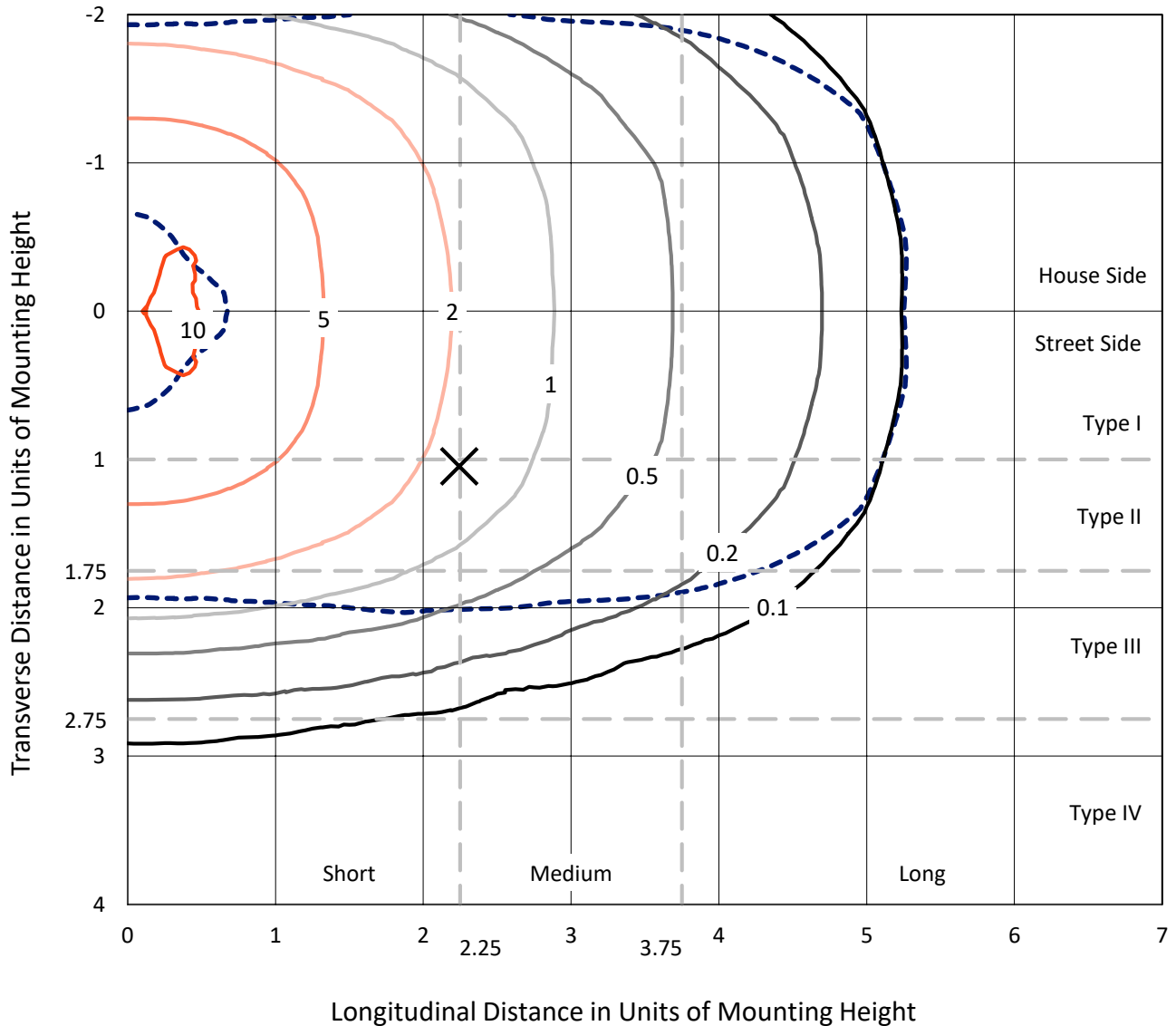
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

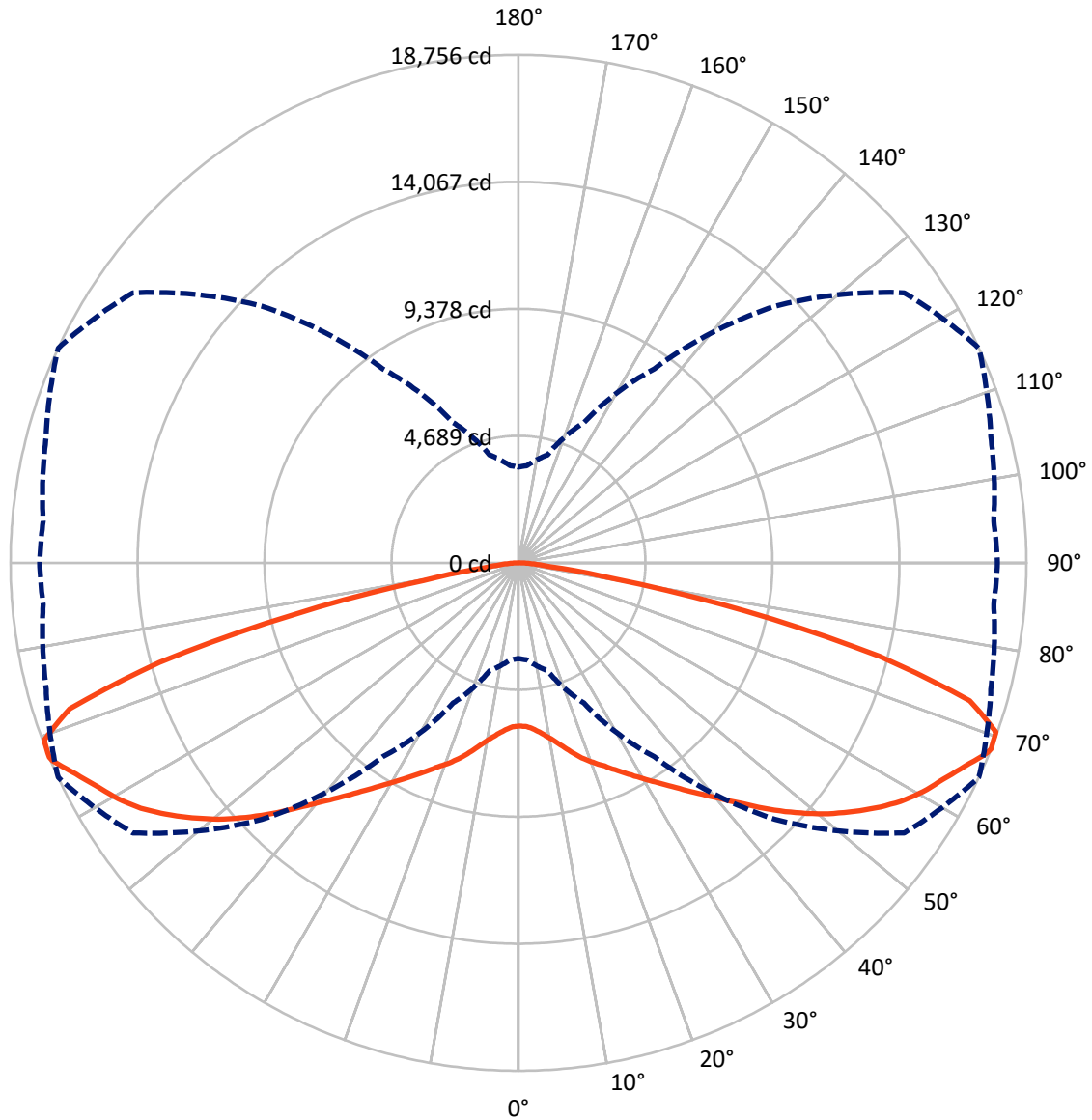
× Max cd
 - - - 1/2 Max cd



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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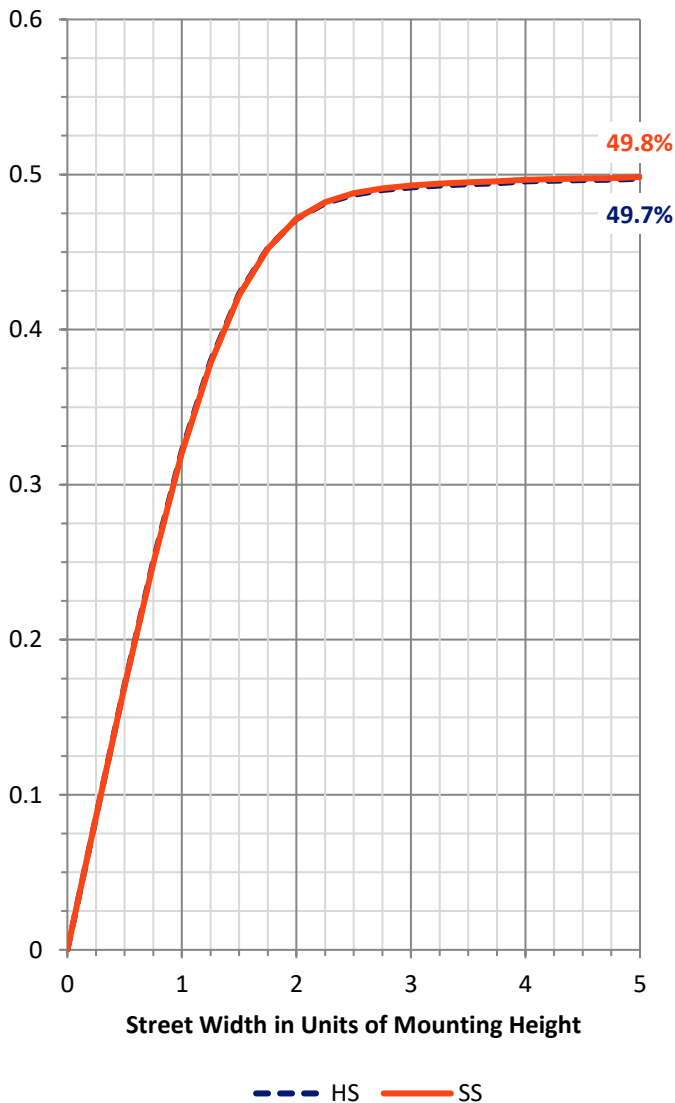
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28972.0	0.0	28972.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28972.0	0.0	28972.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57944.0	0.0	57944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.9	1.0
10°-20°	1975.1	3.4
20°-30°	3851.0	6.6
30°-40°	6469.4	11.2
40°-50°	10193.5	17.6
50°-60°	13632.1	23.5
60°-70°	13252.1	22.9
70°-80°	7244.2	12.5
80°-90°	736.8	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°	57944.0	100.0
0°-180°	57944.0	100.0

Coefficient of Utilization

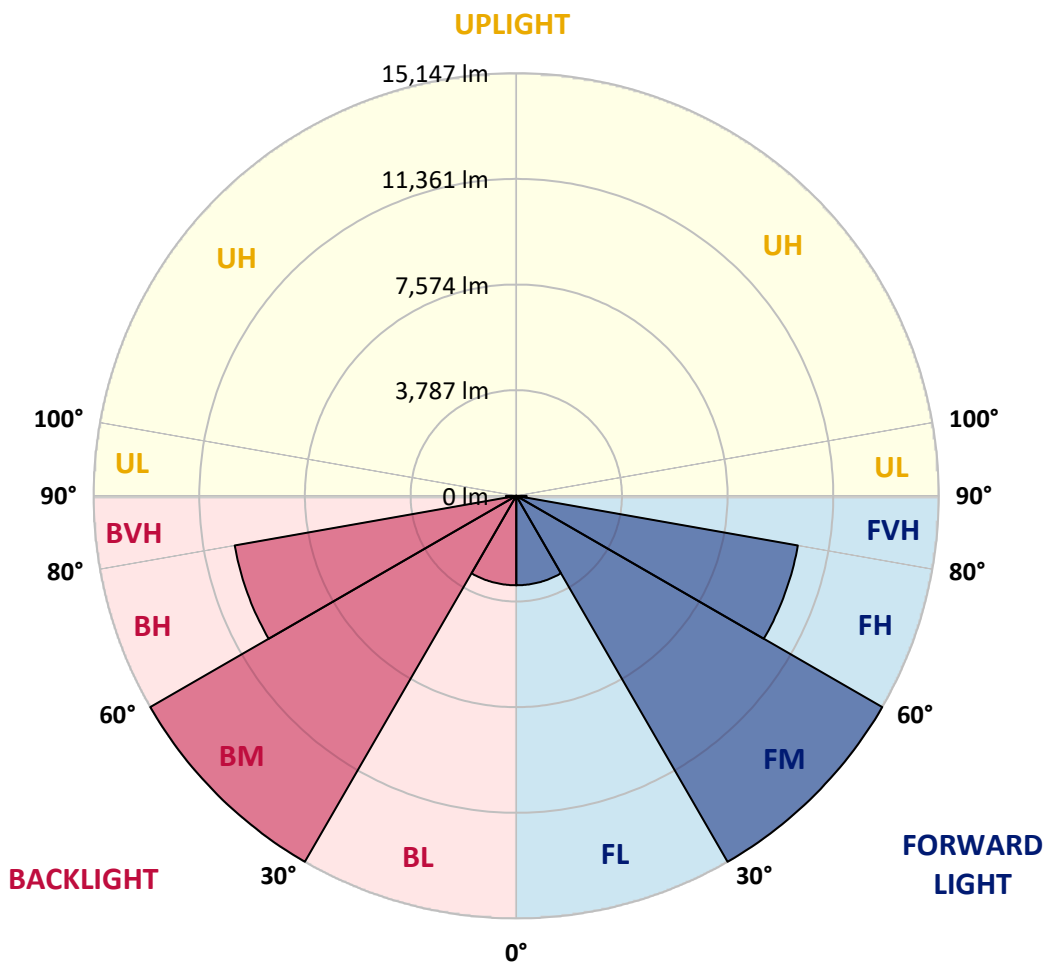


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3208.0	5.5			
FM	(30°-60°)	15147.5	26.1			
FH	(60°-80°)	10248.2	17.7			G4/12000
FVH	(80°-90°)	368.4	0.6			G3/500
BL	(0°-30°)	3208.0	5.5	B4/5000		
BM	(30°-60°)	15147.5	26.1	B5		
BH	(60°-80°)	10248.2	17.7	B5		G5
BVH	(80°-90°)	368.4	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°	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8
2.5°	5982.1	5984.0	5993.7	6005.4	6015.1	6040.4	6046.2	6055.9	6059.8	6069.5	6069.5
5°	5929.6	5933.5	5956.8	5987.9	6022.9	6085.0	6129.7	6180.2	6205.5	6232.7	6230.8
7.5°	5923.8	5933.5	5966.5	6017.0	6075.3	6178.3	6271.6	6372.6	6440.6	6502.8	6498.9
10°	5984.0	5999.6	6046.2	6122.0	6209.4	6337.6	6475.6	6611.6	6730.1	6825.3	6829.2
12.5°	6075.3	6094.8	6168.6	6283.2	6415.3	6580.5	6743.7	6897.2	7060.4	7202.2	7213.8
15°	6195.8	6221.0	6331.8	6502.8	6704.8	6901.0	7075.9	7233.3	7421.7	7618.0	7637.4
17.5°	6374.5	6409.5	6555.2	6786.4	7052.6	7268.2	7450.9	7569.4	7726.8	7928.8	7965.7
20°	6646.5	6691.2	6875.8	7151.7	7476.1	7701.5	7841.4	7866.6	7944.4	8125.0	8167.8
22.5°	7000.1	7039.0	7244.9	7573.3	7936.6	8181.4	8255.2	8154.2	8146.4	8292.1	8332.9
25°	7394.5	7429.5	7668.5	8037.6	8428.1	8698.2	8696.2	8500.0	8364.0	8476.7	8519.4
27.5°	7837.5	7891.9	8121.2	8509.7	8927.4	9193.6	9178.1	8875.0	8616.6	8645.7	8682.6
30°	8346.5	8406.8	8630.2	9024.6	9442.3	9702.6	9683.2	9283.0	8894.4	8816.7	8843.9
32.5°	8978.0	9049.8	9261.6	9650.2	10019.3	10254.4	10198.1	9726.0	9228.6	9059.6	9084.8
35°	9737.6	9780.4	10003.8	10386.5	10685.7	10847.0	10728.5	10238.9	9652.1	9448.1	9448.1
37.5°	10507.0	10540.0	10790.7	11161.7	11451.2	11536.7	11305.5	10800.4	10205.8	9916.4	9922.2
40°	11245.3	11334.7	11616.4	11997.2	12282.8	12306.1	11999.1	11441.5	10821.7	10522.5	10557.5
42.5°	12016.6	12104.0	12440.1	12871.5	13124.0	13162.9	12803.5	12160.4	11517.3	11274.4	11313.3
45°	12704.4	12774.3	13162.9	13664.1	13978.9	14079.9	13654.4	12984.1	12269.2	12032.1	12041.9
47.5°	13184.3	13275.6	13703.0	14293.6	14752.1	14907.6	14489.9	13786.5	13009.4	12721.9	12747.1
50°	13619.5	13668.0	14101.3	14746.3	15329.2	15649.7	15292.3	14579.2	13757.4	13452.4	13479.6
52.5°	13862.3	13924.5	14344.1	15016.4	15706.1	16222.9	16005.3	15292.3	14480.1	14182.9	14215.9
55°	13693.3	13739.9	14243.1	15076.6	15939.2	16576.5	16609.5	15989.7	15189.3	14928.9	15022.2
57.5°	12923.9	12982.2	13596.1	14688.0	15968.4	16815.5	17064.1	16636.7	15851.8	15640.0	15694.4
60°	11721.3	11758.2	12412.9	13640.8	15401.1	16914.5	17353.6	17165.2	16500.7	16288.9	16362.8
62.5°	9578.3	9632.7	10415.7	12061.3	14202.3	16621.2	17633.4	17602.3	17104.9	16910.7	16976.7
65°	6547.4	6642.6	7509.2	9590.0	12354.7	15723.6	17887.9	18111.4	17639.2	17394.4	17481.9
67.5°	3953.7	4023.7	4651.2	6331.8	9454.0	13912.8	17625.6	18690.3	18016.2	17621.8	17693.6
68°	3534.1	3598.2	4122.8	5714.0	8744.8	13401.9	17386.7	18756.4	18057.0	17617.9	17682.0
70°	2135.2	2177.9	2529.6	3532.1	5830.5	10631.3	15756.6	18702.0	18317.3	17672.3	17709.2
72.5°	1391.1	1404.7	1463.0	1812.7	2978.4	5945.2	11826.2	17427.5	18707.8	17989.0	17983.1
75°	1156.0	1148.2	1154.1	1194.9	1468.8	2607.3	6910.8	13767.1	17833.5	17489.6	17367.2
77.5°	977.3	971.4	969.5	971.4	983.1	1259.0	2999.8	8575.8	13646.7	15471.0	15579.8
80°	790.7	783.0	808.2	796.6	761.6	783.0	1257.0	3567.1	6432.8	6920.5	6485.3
82.5°	575.1	545.9	654.7	623.7	594.5	551.8	693.6	1152.1	1534.9	1053.0	740.2
85°	443.0	411.9	497.4	477.9	408.0	281.7	411.9	563.4	621.7	355.5	279.8
87.5°	180.7	190.4	359.4	283.7	239.0	136.0	169.0	225.4	303.1	151.5	116.6
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)