

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: P316532

Luminaire Tested: **GAN-SA8C-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59548 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

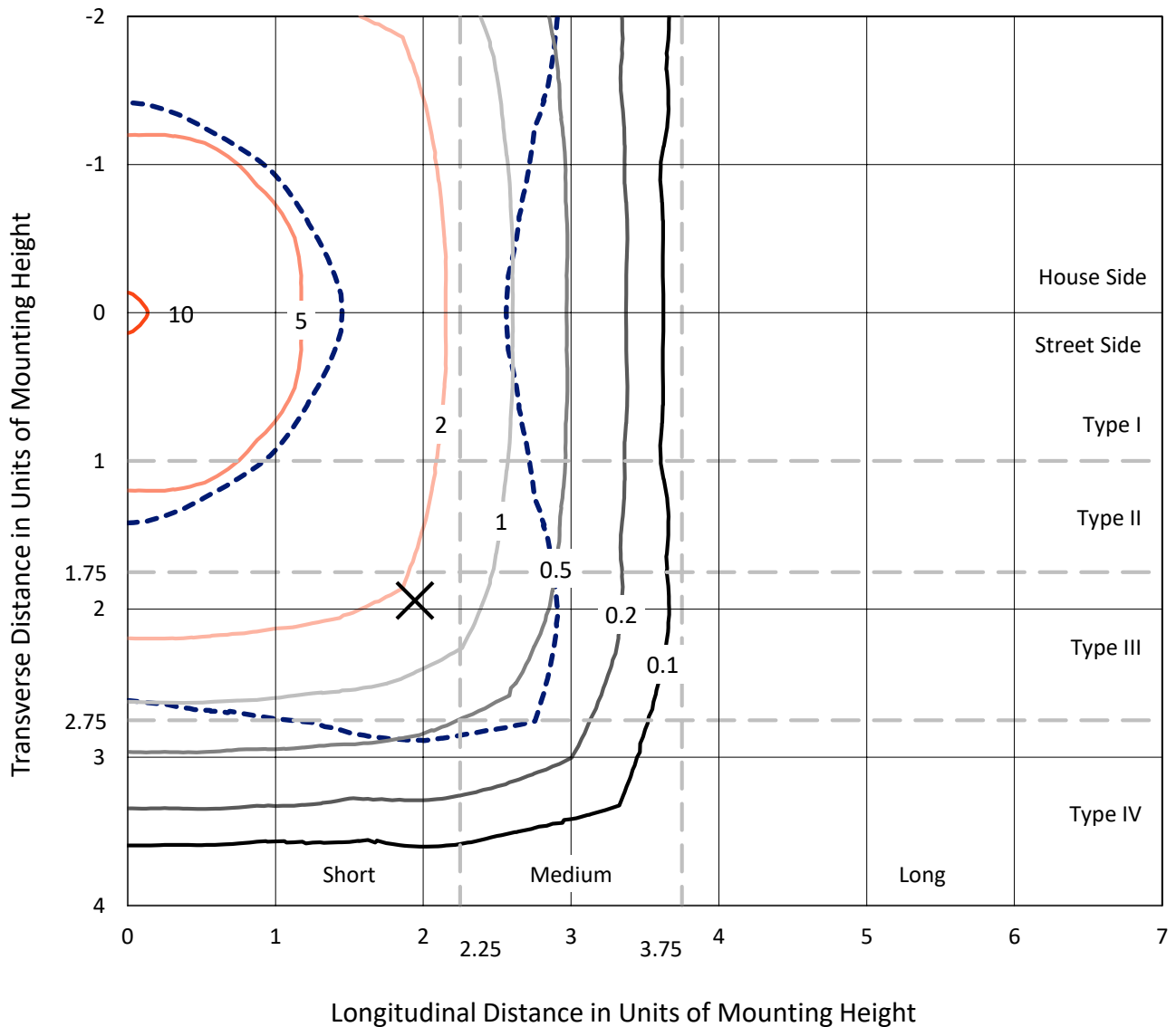
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

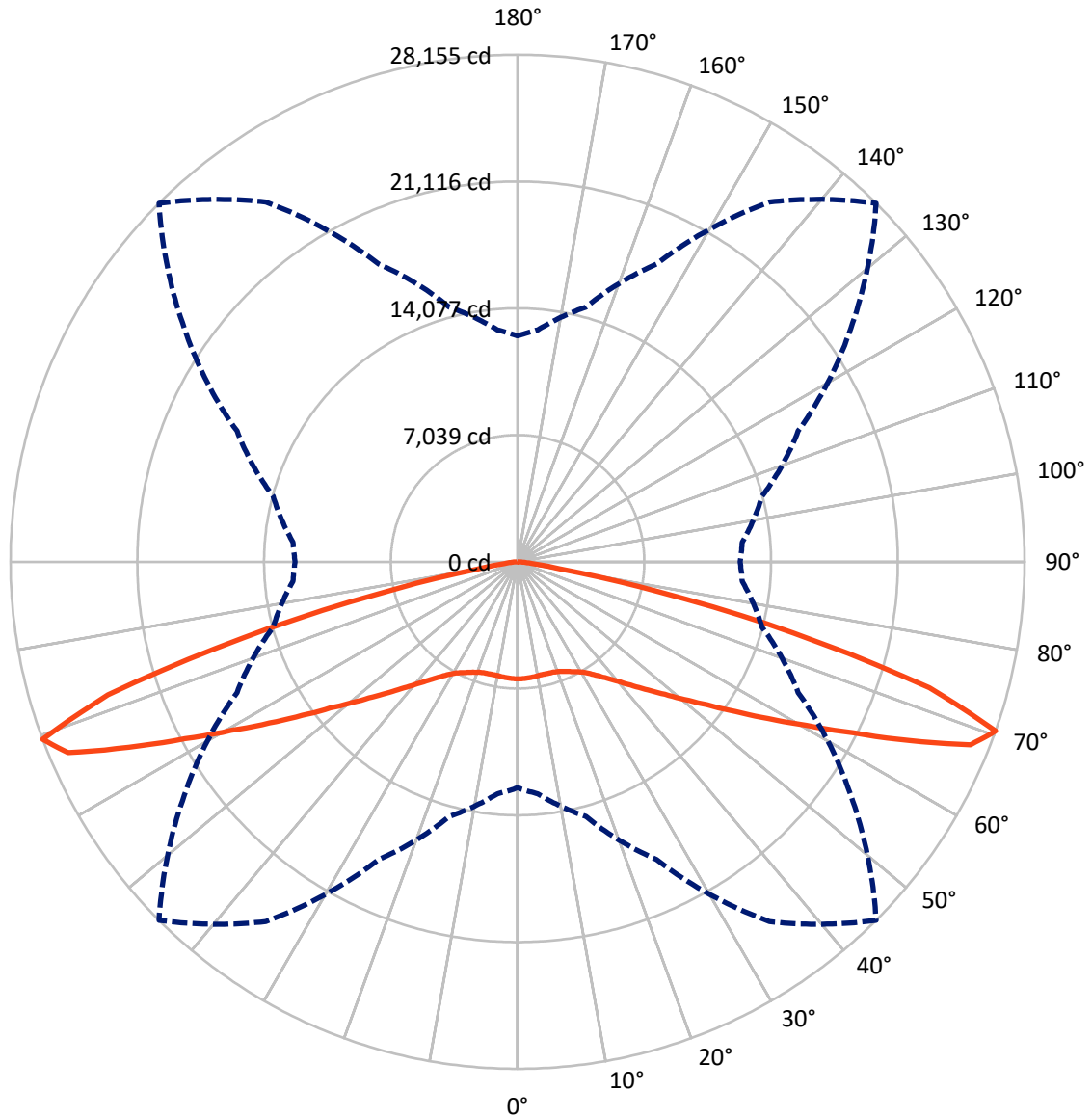
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29774.0	0.0	29774.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29774.0	0.0	29774.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59548.0	0.0	59548.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.0	1.0
10°-20°	1808.3	3.0
20°-30°	3078.3	5.2
30°-40°	4882.1	8.2
40°-50°	7944.7	13.3
50°-60°	13099.5	22.0
60°-70°	19230.4	32.3
70°-80°	8503.6	14.3
80°-90°	385.1	0.6
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°	59548.0	100.0
0°-180°	59548.0	100.0



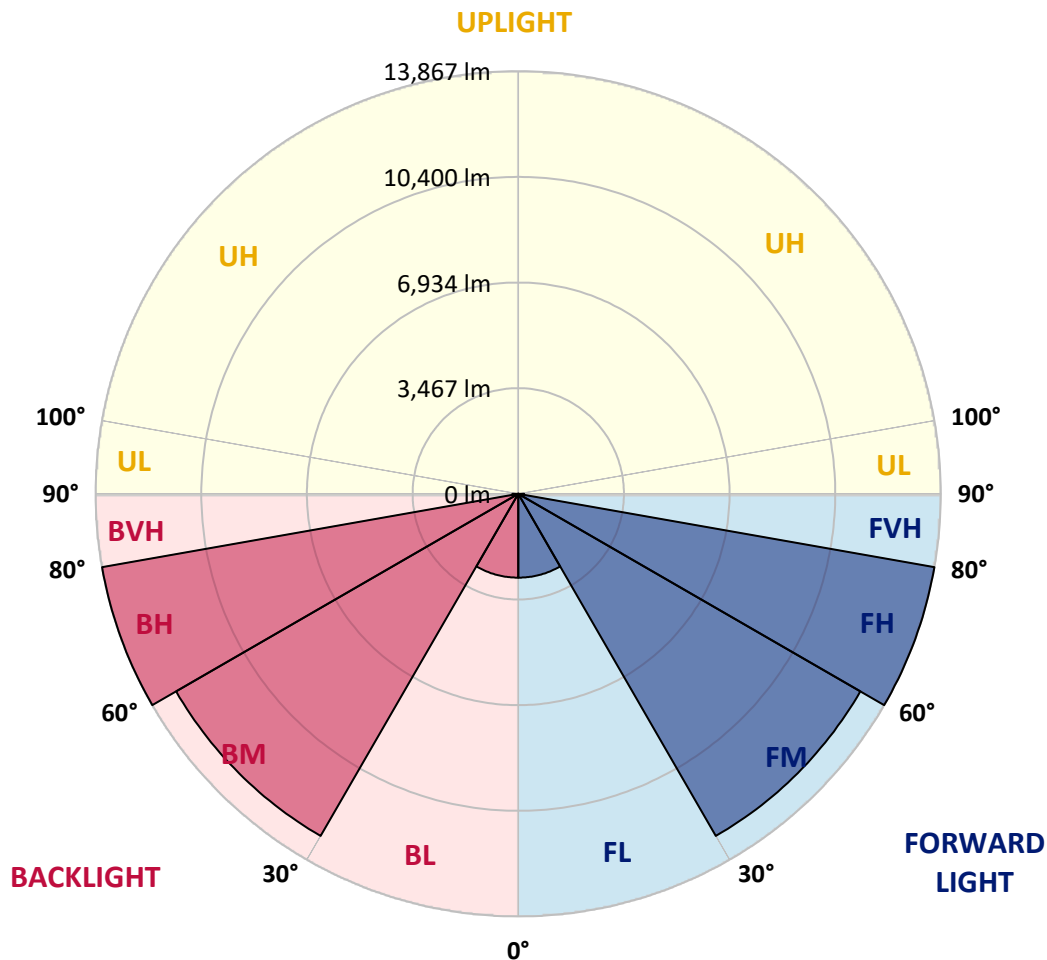
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2751.3	4.6			
FM (30°-60°)	12963.2	21.8			
FH (60°-80°)	13867.0	23.3			G5
FVH (80°-90°)	192.5	0.3			G2/225
BL (0°-30°)	2751.3	4.6	B4/5000		
BM (30°-60°)	12963.2	21.8	B5		
BH (60°-80°)	13867.0	23.3	B5		G5
BVH (80°-90°)	192.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6503.6	6503.6	6503.6	6503.6	6503.6	6503.6	6503.6	6503.6	6503.6	6503.6	6503.6
2.5°	6493.7	6487.8	6501.6	6499.6	6487.8	6489.8	6489.8	6495.7	6495.7	6491.7	6491.7
5°	6470.1	6466.1	6481.9	6481.9	6470.1	6474.0	6477.9	6483.9	6481.9	6477.9	6476.0
7.5°	6440.5	6438.5	6454.3	6454.3	6446.4	6450.4	6446.4	6448.4	6444.4	6440.5	6434.6
10°	6391.2	6395.2	6409.0	6412.9	6412.9	6414.9	6410.9	6401.1	6395.2	6389.3	6383.4
12.5°	6345.9	6343.9	6363.6	6373.5	6389.3	6407.0	6395.2	6367.6	6355.8	6343.9	6340.0
15°	6316.3	6318.3	6338.0	6355.8	6383.4	6420.8	6407.0	6363.6	6340.0	6326.2	6322.3
17.5°	6310.4	6314.4	6340.0	6371.5	6401.1	6442.5	6434.6	6391.2	6351.8	6326.2	6320.3
20°	6324.2	6326.2	6365.6	6410.9	6462.2	6501.6	6483.9	6436.6	6383.4	6343.9	6334.1
22.5°	6349.8	6357.7	6407.0	6477.9	6556.8	6610.0	6588.3	6507.5	6424.7	6375.5	6361.7
25°	6430.6	6432.6	6499.6	6596.2	6690.8	6751.9	6726.3	6612.0	6505.5	6450.4	6432.6
27.5°	6598.2	6604.1	6671.1	6783.4	6864.2	6903.6	6887.9	6795.2	6704.6	6645.5	6651.4
30°	6840.6	6848.5	6923.3	7047.5	7096.8	7106.6	7102.7	7059.3	6976.6	6897.7	6903.6
32.5°	7136.2	7140.1	7240.6	7353.0	7392.4	7400.3	7392.4	7353.0	7254.4	7148.0	7153.9
35°	7516.5	7528.4	7624.9	7733.3	7764.9	7780.6	7766.8	7715.6	7613.1	7508.7	7504.7
37.5°	7985.6	7987.6	8088.1	8200.4	8239.8	8243.8	8228.0	8194.5	8066.4	7971.8	7965.9
40°	8529.5	8537.4	8655.7	8775.9	8791.6	8773.9	8795.6	8775.9	8643.8	8535.4	8553.2
42.5°	9191.7	9209.4	9351.3	9469.6	9424.3	9414.4	9428.2	9434.1	9327.7	9195.7	9183.8
45°	9962.3	9978.1	10155.4	10250.0	10220.5	10155.4	10183.0	10230.3	10082.5	9918.9	9934.7
47.5°	10841.3	10880.7	11069.9	11158.5	11085.6	10996.9	11050.2	11121.1	10947.7	10744.7	10734.8
50°	11818.8	11868.0	12120.3	12244.4	12171.5	12008.0	12096.6	12143.9	11893.6	11631.5	11609.9
52.5°	12861.3	12910.6	13227.9	13484.1	13436.8	13182.5	13306.7	13257.4	12969.7	12616.9	12589.3
55°	14041.8	14061.5	14404.4	14818.3	14865.6	14678.4	14670.5	14589.7	14164.0	13756.0	13736.3
57.5°	15255.8	15269.6	15713.0	16201.8	16424.5	16424.5	16203.7	16032.3	15466.7	14993.7	14944.4
60°	16566.4	16615.6	17106.4	17770.5	18290.8	18444.5	18054.3	17587.2	16972.3	16394.9	16337.8
62.5°	17733.1	17790.2	18541.1	19530.4	20366.0	20925.7	19971.9	19211.1	18091.7	17165.5	17057.1
65°	17880.9	18034.6	19128.4	20919.8	22790.1	23907.5	22078.6	20204.4	18164.7	16877.7	16767.4
67.5°	16329.9	16590.0	18068.1	20856.7	24721.4	27119.9	23424.7	19636.8	16856.1	15433.2	15311.0
70°	12547.9	12926.3	14631.1	18243.5	24388.4	28154.5	22581.2	17191.1	14053.6	12522.3	12350.9
72.5°	6883.9	7039.6	8572.9	12492.8	19552.1	23925.2	18834.7	12711.5	9319.8	7583.6	7295.8
75°	2183.6	2238.8	3019.2	5112.2	11060.0	15847.0	11964.6	6239.5	3435.1	2532.5	2502.9
77.5°	969.6	975.5	1091.8	1491.9	3809.5	8029.0	4576.1	1698.8	1170.6	1022.8	1056.3
80°	612.9	612.9	676.0	739.0	1036.6	2331.4	1237.6	808.0	689.8	640.5	654.3
82.5°	293.6	325.2	439.5	473.0	569.6	784.4	634.6	528.2	461.2	342.9	319.3
85°	193.1	161.6	277.9	313.4	331.1	376.4	368.5	348.8	301.5	171.5	191.2
87.5°	86.7	82.8	143.9	132.0	124.2	94.6	141.9	175.4	169.5	84.7	84.7
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)