

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: P316853

Luminaire Tested: **GAN-SA9C-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65224 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 501
Input Voltage (V): NR
Input Current (A_{in}): 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

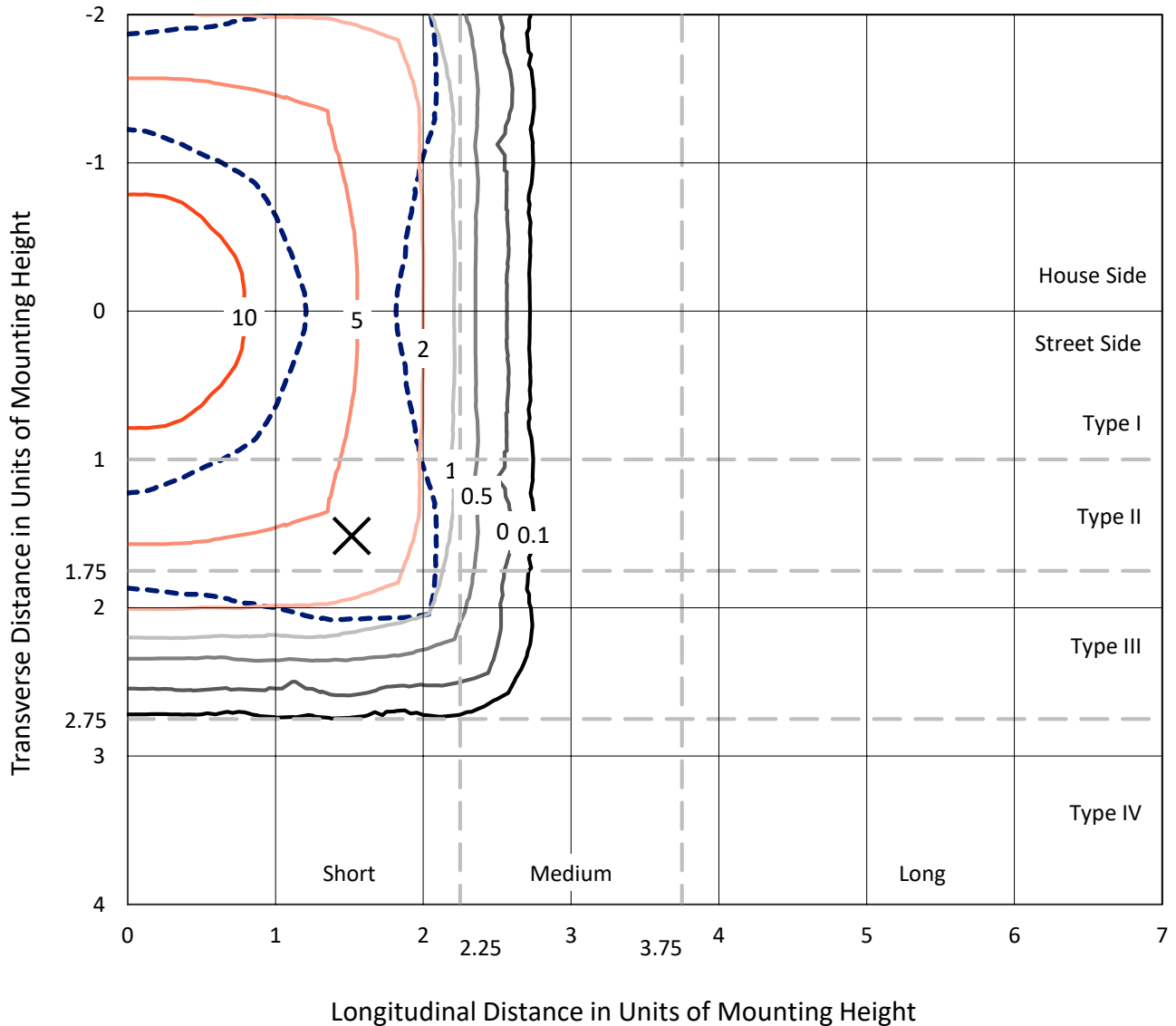




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Iso-Footcandle Lines of Horizontal Illumination

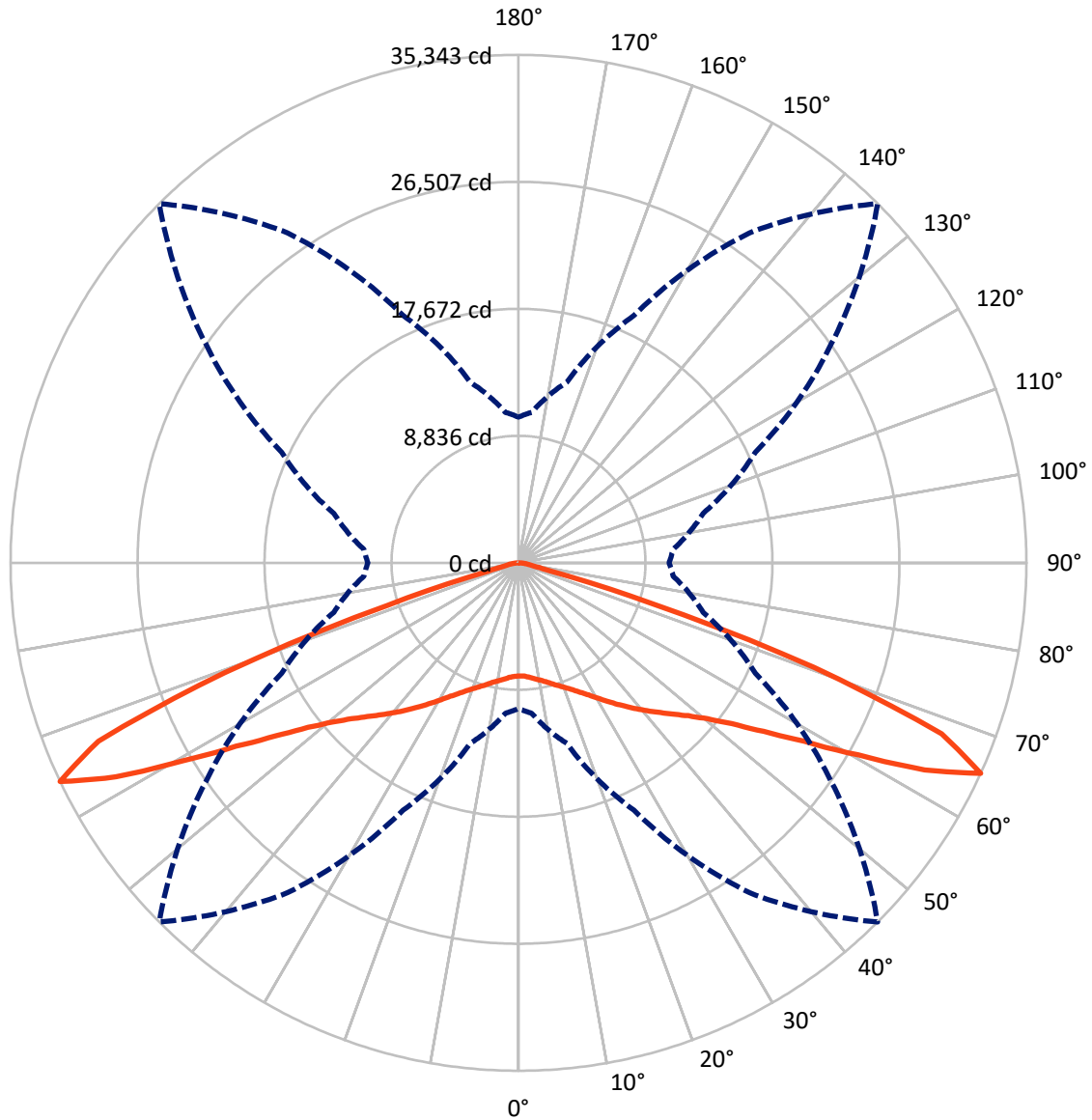
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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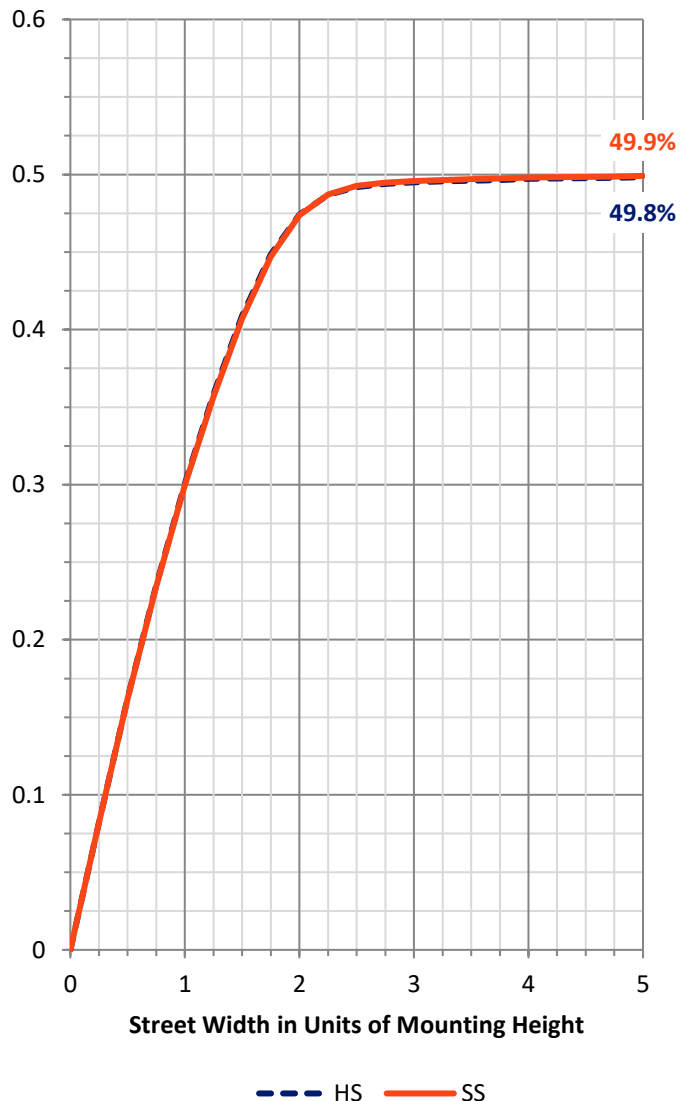
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32612.0	0.0	32612.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32612.0	0.0	32612.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65224.0	0.0	65224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.8	1.2
10°-20°	2484.0	3.8
20°-30°	4660.4	7.1
30°-40°	7707.4	11.8
40°-50°	11937.8	18.3
50°-60°	18309.2	28.1
60°-70°	17084.6	26.2
70°-80°	1988.4	3.0
80°-90°	279.4	0.4
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°	65224.0	100.0
0°-180°	65224.0	100.0

Coefficient of Utilization



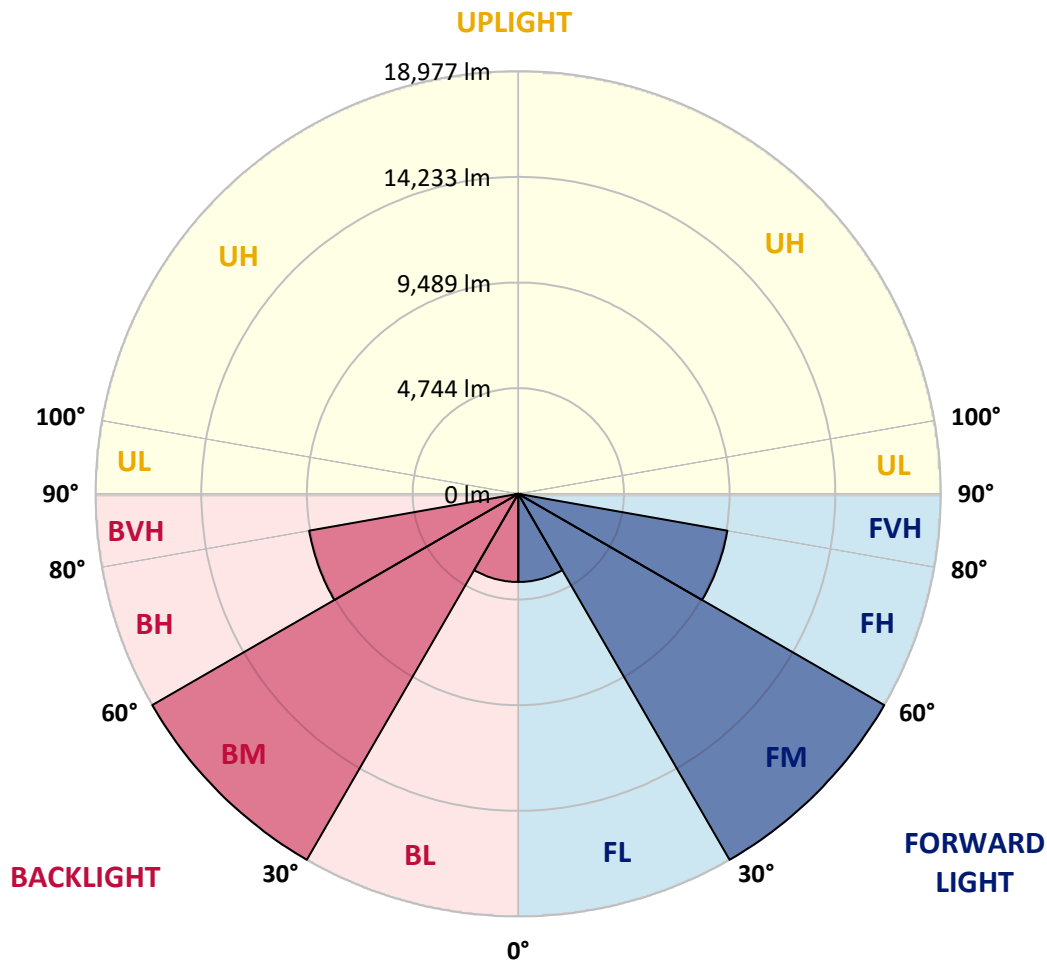
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3958.6	6.1			
FM (30°-60°)	18977.2	29.1			
FH (60°-80°)	9536.5	14.6			G4/12000
FVH (80°-90°)	139.7	0.2			G2/225
BL (0°-30°)	3958.6	6.1	B4/5000		
BM (30°-60°)	18977.2	29.1	B5		
BH (60°-80°)	9536.5	14.6	B5		G4/12000
BVH (80°-90°)	139.7	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7876.6	7876.6	7876.6	7876.6	7876.6	7876.6	7876.6	7876.6	7876.6	7876.6	7876.6
2.5°	7902.6	7898.3	7902.6	7904.8	7891.8	7898.3	7896.1	7906.9	7911.3	7906.9	7906.9
5°	7993.5	7987.0	7995.7	8006.5	7989.2	7993.5	7987.0	8000.0	8004.4	7995.7	8002.2
7.5°	8119.1	8121.3	8129.9	8149.4	8138.6	8147.3	8134.3	8136.4	8134.3	8121.3	8123.4
10°	8255.5	8257.7	8272.8	8298.8	8303.1	8303.1	8294.5	8288.0	8279.3	8270.7	8272.8
12.5°	8420.1	8430.9	8441.7	8474.2	8474.2	8491.5	8487.2	8469.9	8454.7	8441.7	8441.7
15°	8643.1	8640.9	8653.9	8686.4	8701.5	8729.7	8729.7	8705.9	8686.4	8673.4	8669.0
17.5°	8876.9	8883.4	8892.1	8931.0	8954.8	8987.3	8991.6	8972.2	8959.2	8941.9	8931.0
20°	9149.7	9160.5	9195.2	9210.3	9232.0	9262.3	9273.1	9268.8	9255.8	9247.1	9249.3
22.5°	9468.0	9496.1	9517.8	9539.4	9565.4	9587.1	9597.9	9613.0	9600.0	9593.5	9589.2
25°	9853.4	9872.8	9916.1	9955.1	9972.4	9978.9	9991.9	10013.6	10011.4	9996.3	9996.3
27.5°	10290.7	10327.5	10381.6	10437.9	10437.9	10416.3	10459.6	10496.4	10483.4	10463.9	10437.9
30°	10821.2	10855.8	10918.6	10996.5	10957.6	10942.4	11000.9	11068.0	11048.5	11016.0	11011.7
32.5°	11392.7	11425.2	11507.5	11591.9	11542.1	11520.5	11583.3	11680.7	11646.1	11581.1	11542.1
35°	12012.0	12044.4	12161.4	12263.1	12178.7	12141.9	12193.8	12299.9	12239.3	12118.0	12087.7
37.5°	12685.3	12702.6	12854.2	12958.1	12899.6	12802.2	12867.2	12945.1	12893.2	12745.9	12687.5
40°	13384.6	13447.4	13622.8	13744.0	13642.3	13488.6	13596.8	13705.1	13627.1	13438.8	13339.2
42.5°	14200.9	14248.5	14482.3	14590.6	14426.0	14209.5	14356.8	14504.0	14426.0	14244.2	14157.6
45°	15049.6	15123.2	15402.5	15510.8	15272.6	14997.6	15177.3	15435.0	15428.5	15166.5	15075.6
47.5°	15974.1	16047.7	16381.1	16524.0	16266.4	15898.3	16151.6	16515.4	16489.4	16201.4	16127.8
50°	17041.5	17119.4	17535.1	17714.8	17474.5	17045.8	17426.9	17747.3	17699.7	17344.6	17351.1
52.5°	18381.7	18377.3	18894.8	19206.6	18959.8	18580.9	18931.6	19243.4	19046.4	18554.9	18539.7
55°	19555.2	19626.6	20267.5	20858.5	20843.4	20698.3	20839.1	20852.1	20289.1	19635.3	19555.2
57.5°	20325.9	20462.3	21365.2	22434.7	23235.8	23428.5	23155.7	22328.6	21010.1	19964.4	19836.6
60°	19851.8	20059.6	21477.8	23658.0	26018.0	27150.3	25610.9	23045.3	20449.3	18992.2	18819.0
62.5°	16651.8	17002.5	19078.8	23066.9	28412.6	31723.0	27390.6	21895.6	18219.3	16212.2	15915.6
65°	10141.3	10511.5	13014.4	18985.7	28025.0	35343.0	26578.7	18173.8	13298.0	10801.7	10481.2
67.5°	3379.7	3488.0	4962.4	10494.2	22025.5	31755.5	22062.3	10879.6	5787.3	3836.6	3724.0
70°	1322.9	1333.7	1574.0	3042.0	10401.1	21811.2	11477.2	3096.1	1645.5	1301.2	1329.4
72.5°	972.1	976.5	1043.6	1270.9	2710.7	9608.7	2808.1	1277.4	1015.4	911.5	911.5
75°	781.6	781.6	829.2	926.7	1214.6	2204.1	1231.9	915.8	794.6	727.5	718.8
77.5°	617.1	630.0	666.8	729.6	822.7	1060.9	853.0	725.3	640.9	578.1	565.1
80°	459.0	472.0	532.6	562.9	591.1	736.1	630.0	567.3	506.6	433.0	420.0
82.5°	300.9	313.9	389.7	407.0	400.5	480.7	424.4	417.9	372.4	279.3	266.3
85°	197.0	201.4	259.8	270.6	249.0	218.7	270.6	285.8	259.8	181.9	175.4
87.5°	93.1	93.1	132.1	123.4	112.6	90.9	123.4	145.1	147.2	88.8	86.6
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)