

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: P383551

Luminaire Tested: **GAN-SA8C-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383551
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-SA8C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 54469.4 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

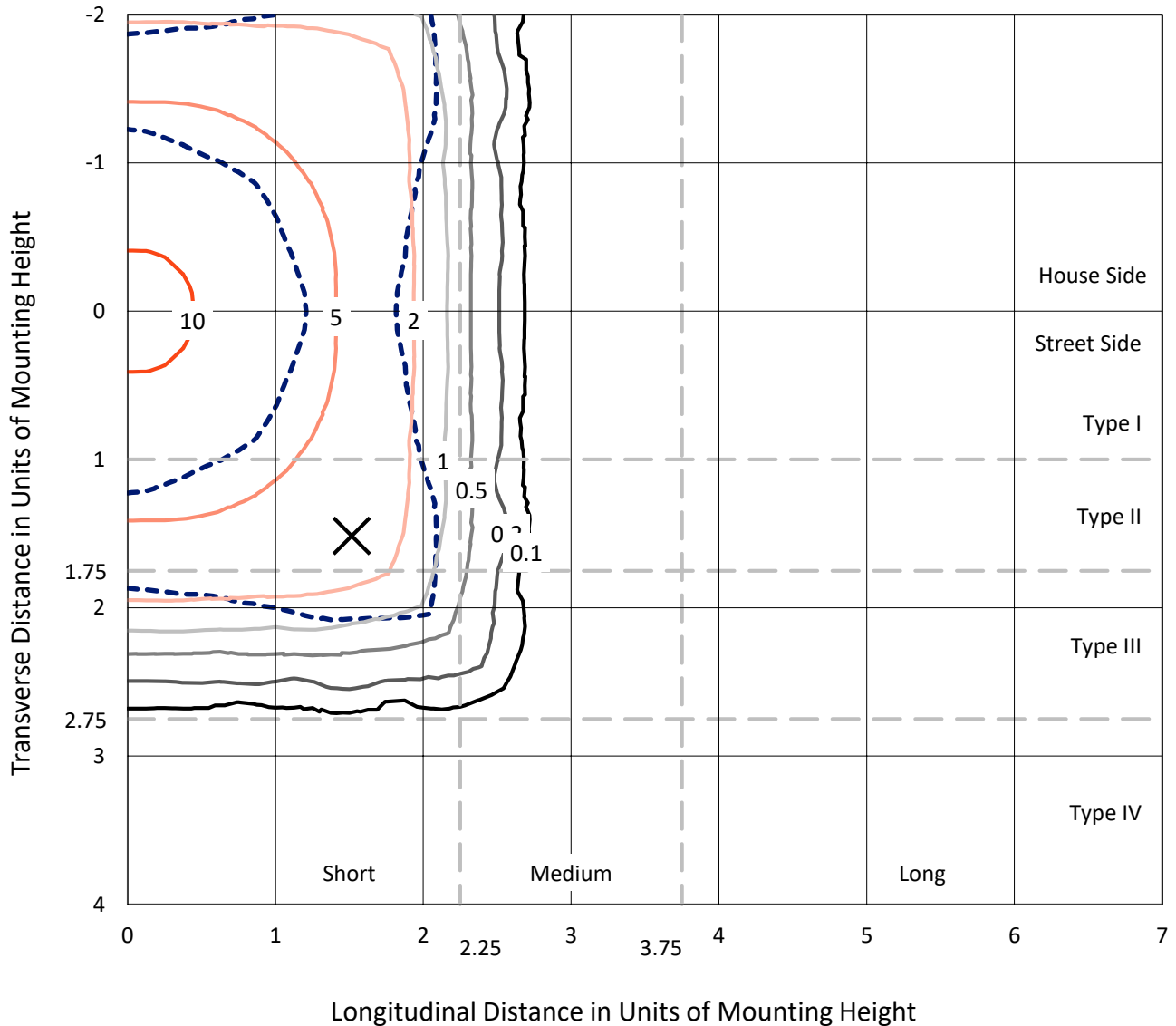
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

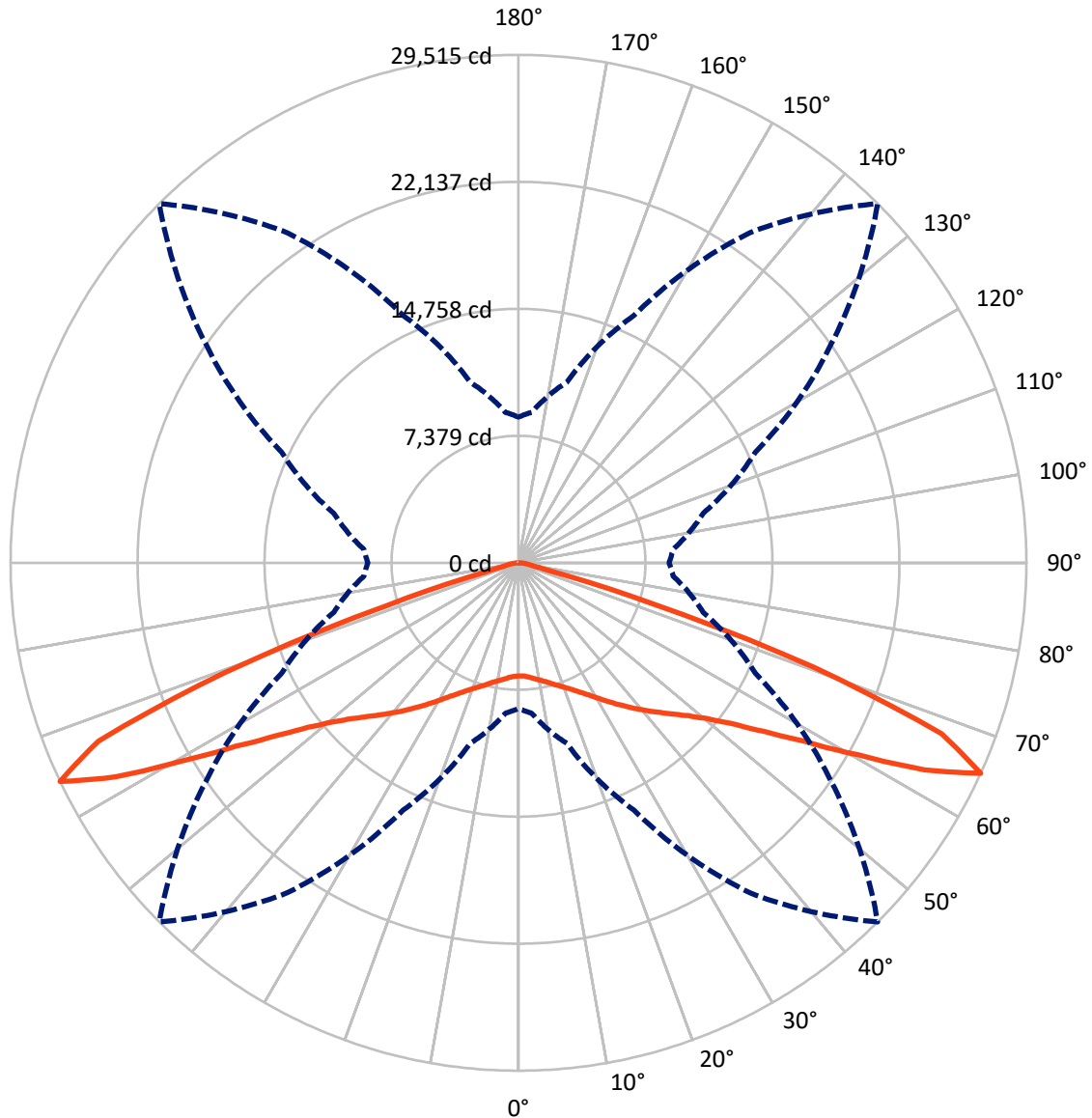
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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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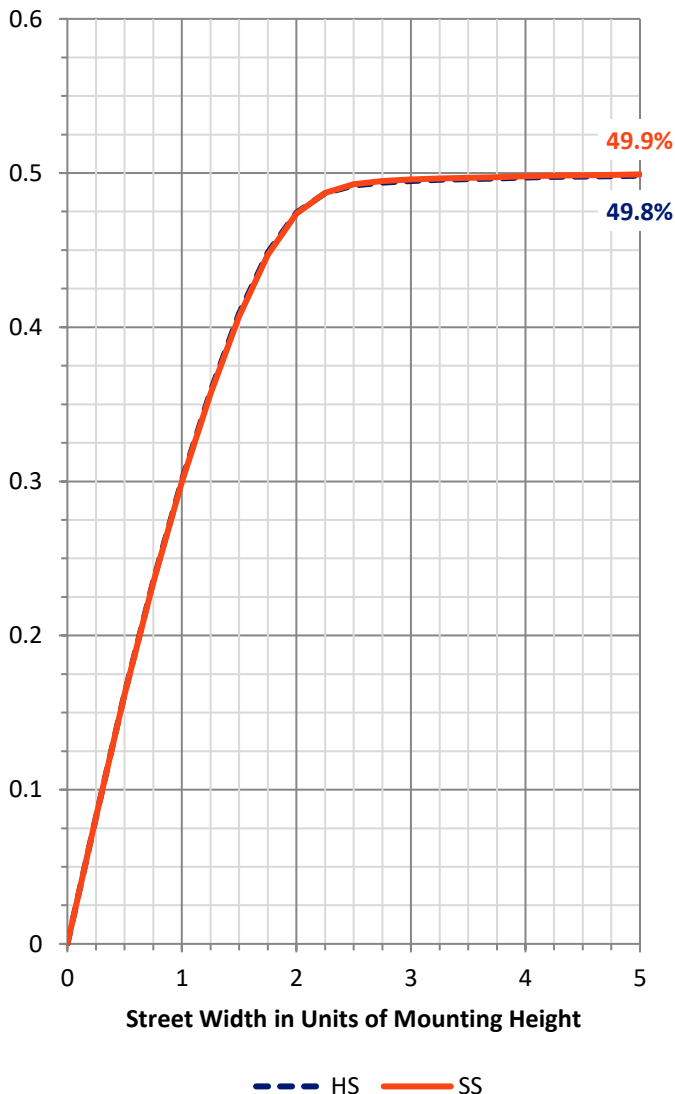
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27234.7	0.0	27234.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27234.7	0.0	27234.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	54469.4	0.0	54469.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.4	1.2
10°-20°	2074.4	3.8
20°-30°	3892.0	7.1
30°-40°	6436.6	11.8
40°-50°	9969.4	18.3
50°-60°	15290.3	28.1
60°-70°	14267.6	26.2
70°-80°	1660.5	3.0
80°-90°	233.3	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°	54469.4	100.0
0°-180°	54469.4	100.0

Coefficient of Utilization

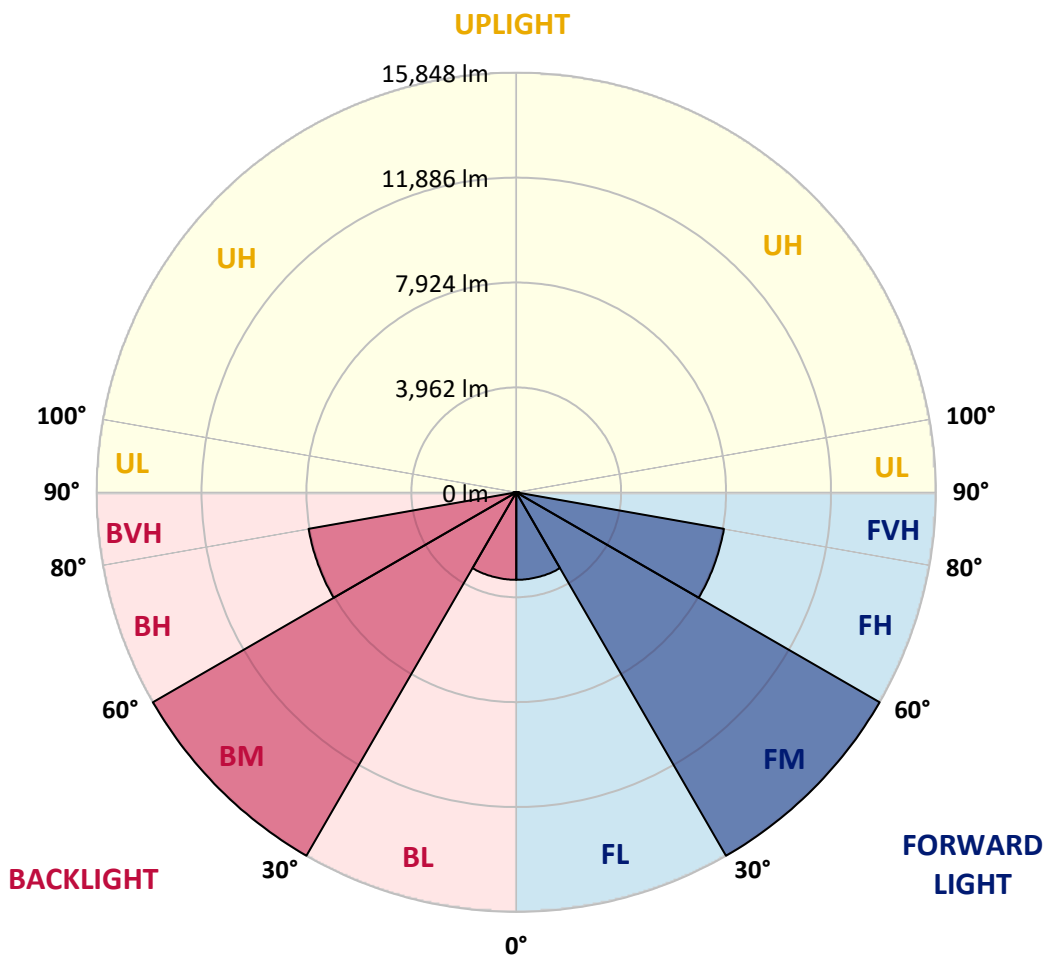


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3305.9	6.1			
FM (30°-60°)	15848.1	29.1			
FH (60°-80°)	7964.0	14.6			G4/12000
FVH (80°-90°)	116.7	0.2			G2/225
BL (0°-30°)	3305.9	6.1	B4/5000		
BM (30°-60°)	15848.1	29.1	B5		
BH (60°-80°)	7964.0	14.6	B5		G4/12000
BVH (80°-90°)	116.7	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°	6577.8	6577.8	6577.8	6577.8	6577.8	6577.8	6577.8	6577.8	6577.8	6577.8	6577.8
2.5°	6599.5	6595.9	6599.5	6601.4	6590.5	6595.9	6594.1	6603.2	6606.8	6603.2	6603.2
5°	6675.5	6670.1	6677.3	6686.4	6671.9	6675.5	6670.1	6681.0	6684.6	6677.3	6682.7
7.5°	6780.4	6782.2	6789.4	6805.7	6796.7	6803.9	6793.0	6794.9	6793.0	6782.2	6784.0
10°	6894.3	6896.1	6908.7	6930.4	6934.1	6934.1	6926.8	6921.4	6914.2	6907.0	6908.7
12.5°	7031.7	7040.7	7049.8	7076.9	7076.9	7091.4	7087.8	7073.3	7060.7	7049.8	7049.8
15°	7217.9	7216.1	7226.9	7254.1	7266.7	7290.3	7290.3	7270.4	7254.1	7243.2	7239.6
17.5°	7413.3	7418.7	7425.8	7458.4	7478.3	7505.5	7509.0	7492.8	7481.9	7467.5	7458.4
20°	7641.0	7650.1	7679.0	7691.7	7709.8	7735.1	7744.1	7740.5	7729.6	7722.4	7724.2
22.5°	7906.8	7930.4	7948.4	7966.5	7988.2	8006.3	8015.3	8028.0	8017.1	8011.7	8008.0
25°	8228.6	8244.9	8281.1	8313.7	8328.1	8333.5	8344.4	8362.5	8360.6	8348.0	8348.0
27.5°	8593.9	8624.6	8669.8	8716.9	8716.9	8698.8	8734.9	8765.7	8754.9	8738.6	8716.9
30°	9036.9	9065.8	9118.3	9183.4	9150.8	9138.1	9186.9	9243.0	9226.7	9199.6	9196.1
32.5°	9514.3	9541.4	9610.0	9680.5	9639.0	9620.9	9673.4	9754.7	9725.8	9671.5	9639.0
35°	10031.4	10058.5	10156.1	10241.1	10170.5	10139.8	10183.2	10271.8	10221.2	10120.0	10094.6
37.5°	10593.7	10608.1	10734.7	10821.5	10772.7	10691.3	10745.6	10810.6	10767.3	10644.3	10595.5
40°	11177.7	11230.1	11376.6	11477.9	11392.8	11264.5	11354.9	11445.3	11380.2	11222.9	11139.7
42.5°	11859.3	11899.1	12094.4	12184.8	12047.4	11866.6	11989.5	12112.4	12047.4	11895.5	11823.2
45°	12568.2	12629.5	12862.8	12953.3	12754.4	12524.8	12674.8	12889.9	12884.5	12665.8	12589.8
47.5°	13340.1	13401.6	13680.1	13799.5	13584.3	13276.9	13488.4	13792.2	13770.5	13530.0	13468.6
50°	14231.5	14296.6	14643.8	14793.9	14593.2	14235.2	14553.4	14821.0	14781.2	14484.7	14490.1
52.5°	15350.8	15347.2	15779.3	16039.7	15833.5	15517.2	15810.0	16070.4	15905.9	15495.5	15482.8
55°	16330.8	16390.5	16925.7	17419.3	17406.6	17285.4	17403.0	17413.8	16943.7	16397.7	16330.8
57.5°	16974.5	17088.4	17842.4	18735.6	19404.5	19565.5	19337.6	18647.0	17545.8	16672.5	16565.8
60°	16578.5	16752.1	17936.4	19757.1	21728.0	22673.6	21388.1	19245.4	17077.5	15860.7	15716.0
62.5°	13906.1	14199.0	15933.0	19263.6	23727.7	26492.3	22874.3	18285.3	15215.2	13539.1	13291.3
65°	8469.2	8778.3	10868.5	15855.2	23404.1	29515.4	22196.3	15177.2	11105.4	9020.6	8753.0
67.5°	2822.4	2912.9	4144.2	8763.9	18393.8	26519.4	18424.5	9085.8	4833.1	3204.0	3110.0
70°	1104.7	1113.8	1314.5	2540.4	8686.1	18214.8	9584.8	2585.6	1374.1	1086.7	1110.2
72.5°	811.8	815.5	871.5	1061.3	2263.8	8024.4	2345.1	1066.8	848.0	761.2	761.2
75°	652.7	652.7	692.5	773.8	1014.4	1840.6	1028.8	764.8	663.5	607.6	600.3
77.5°	515.3	526.1	556.9	609.3	687.1	886.0	712.4	605.7	535.2	482.7	471.9
80°	383.3	394.1	444.8	470.2	493.6	614.7	526.1	473.7	423.1	361.6	350.7
82.5°	251.3	262.1	325.5	339.9	334.5	401.4	354.4	349.0	311.0	233.3	222.4
85°	164.5	168.1	217.0	226.0	207.9	182.6	226.0	238.7	217.0	151.8	146.4
87.5°	77.8	77.8	110.3	103.0	94.0	75.9	103.0	121.1	123.0	74.2	72.3
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)