

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: P317133

Luminaire Tested: **GAN-SA9C-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317133
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-SA9C-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64637 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

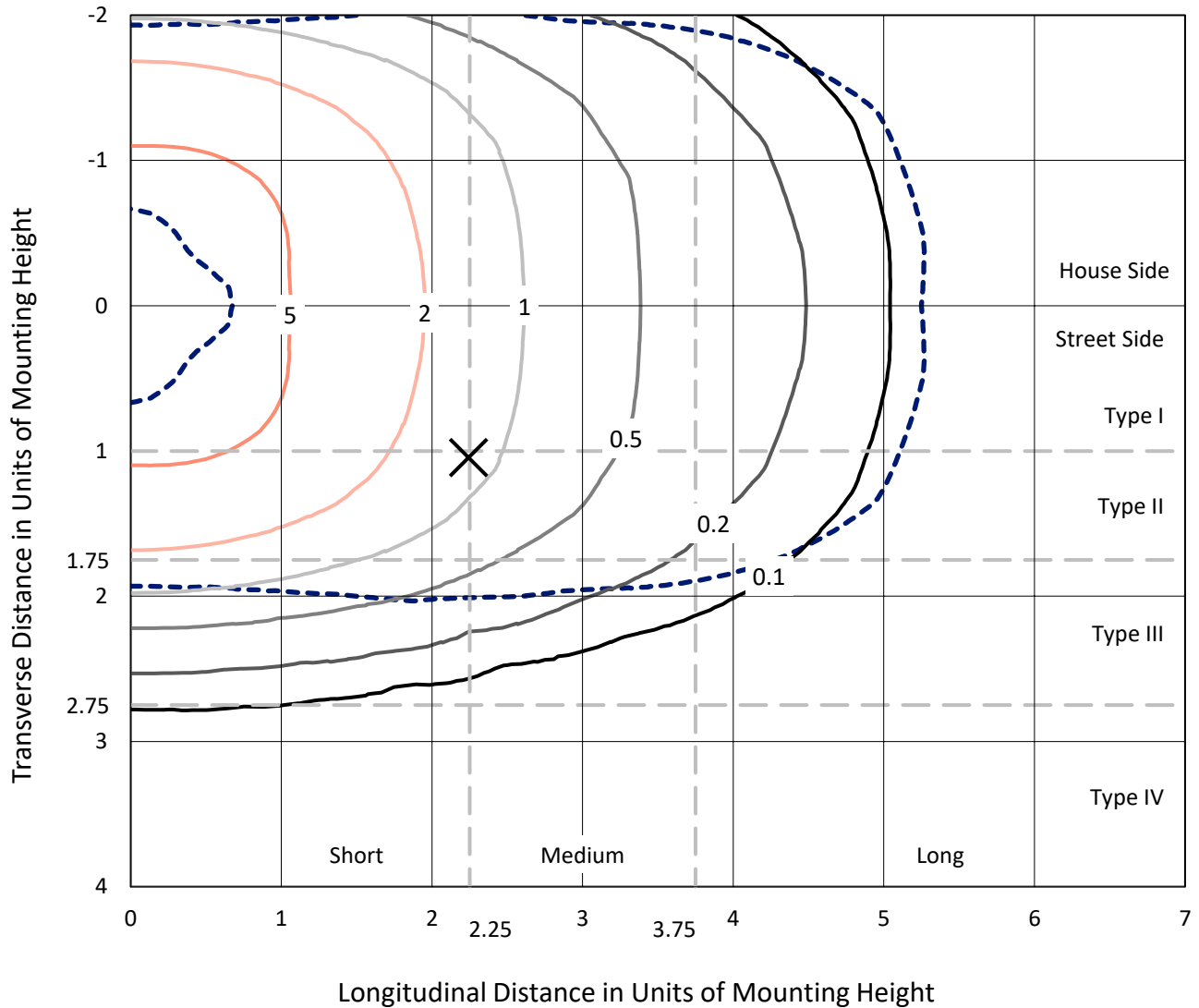
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

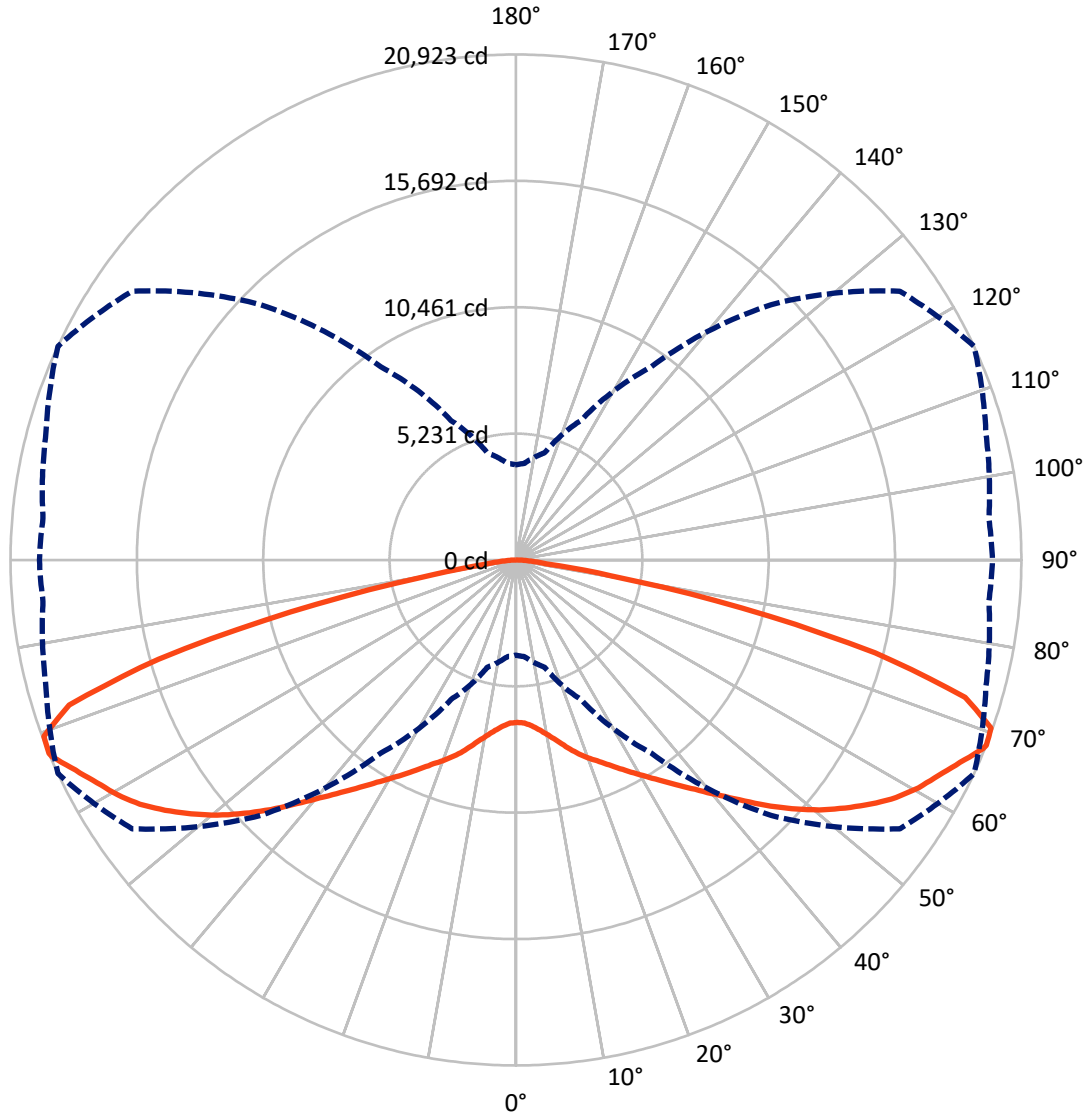
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.5 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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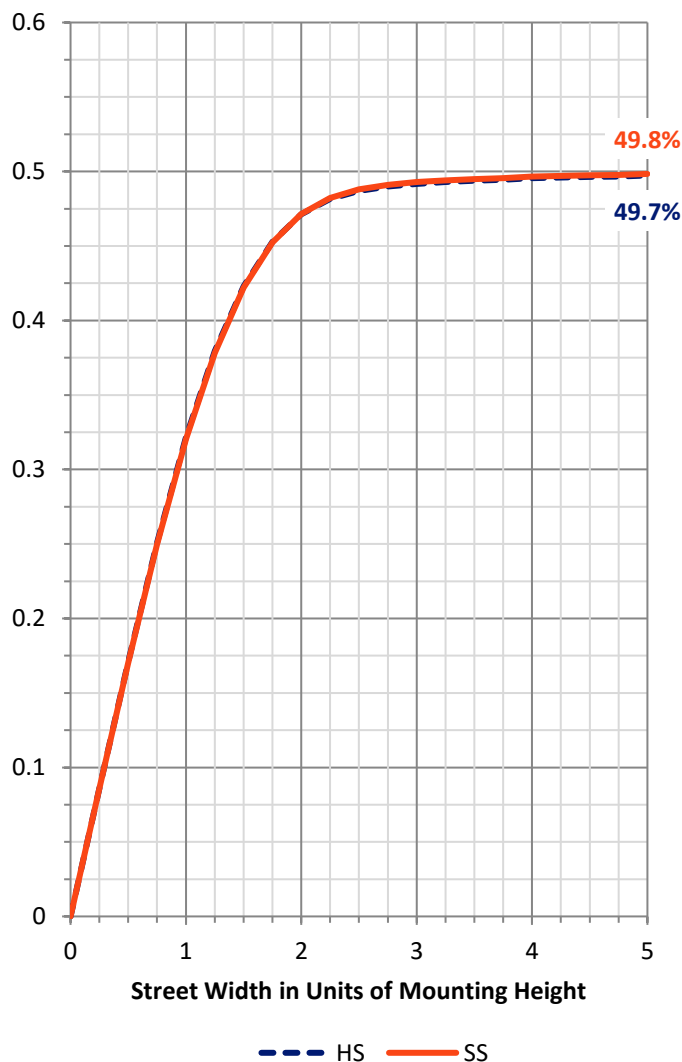
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32318.5	0.0	32318.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32318.5	0.0	32318.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	64637.0	0.0	64637.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.0	1.0
10°-20°	2203.3	3.4
20°-30°	4295.8	6.6
30°-40°	7216.7	11.2
40°-50°	11370.9	17.6
50°-60°	15206.7	23.5
60°-70°	14782.8	22.9
70°-80°	8081.0	12.5
80°-90°	821.9	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°	64637.0	100.0
0°-180°	64637.0	100.0

Coefficient of Utilization



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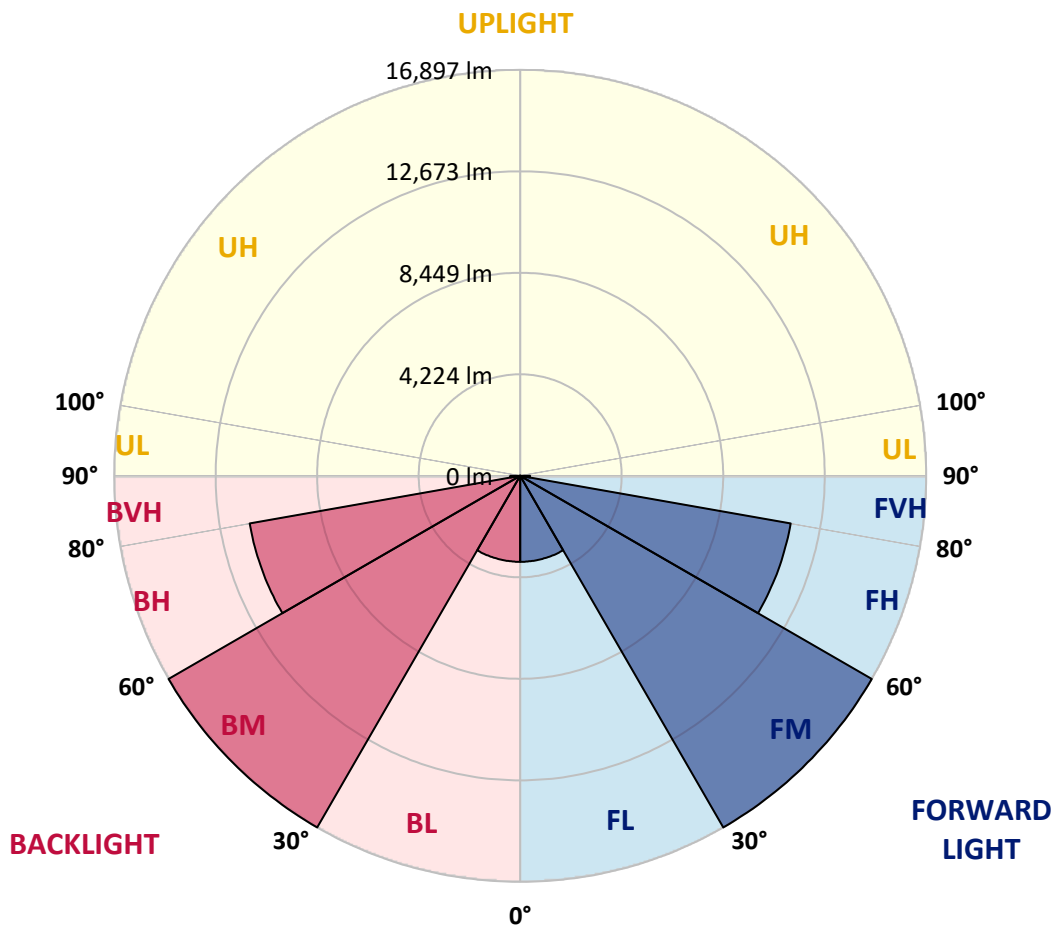
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3578.5	5.5			
FM (30°-60°)	16897.1	26.1			
FH (60°-80°)	11431.9	17.7			G4/12000
FVH (80°-90°)	410.9	0.6			G3/500
BL (0°-30°)	3578.5	5.5	B4/5000		
BM (30°-60°)	16897.1	26.1	B5		
BH (60°-80°)	11431.9	17.7	B5		G5
BVH (80°-90°)	410.9	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°	6720.7	6720.7	6720.7	6720.7	6720.7	6720.7	6720.7	6720.7	6720.7	6720.7	6720.7
2.5°	6673.0	6675.2	6686.1	6699.1	6709.9	6738.1	6744.6	6755.4	6759.7	6770.6	6770.6
5°	6614.5	6618.9	6644.9	6679.5	6718.6	6787.9	6837.8	6894.1	6922.3	6952.6	6950.5
7.5°	6608.0	6618.9	6655.7	6712.1	6777.1	6891.9	6996.0	7108.7	7184.5	7253.9	7249.5
10°	6675.2	6692.6	6744.6	6829.1	6926.6	7069.7	7223.5	7375.2	7507.4	7613.6	7618.0
12.5°	6777.1	6798.7	6881.1	7009.0	7156.3	7340.6	7522.6	7693.8	7875.9	8034.1	8047.1
15°	6911.4	6939.6	7063.2	7253.9	7479.3	7698.2	7893.2	8068.8	8279.0	8497.9	8519.6
17.5°	7110.8	7149.8	7312.4	7570.3	7867.2	8107.8	8311.5	8443.7	8619.3	8844.7	8885.8
20°	7414.3	7464.1	7670.0	7977.7	8339.7	8591.1	8747.1	8775.3	8862.0	9063.6	9111.2
22.5°	7808.7	7852.0	8081.8	8448.0	8853.3	9126.4	9208.8	9096.1	9087.4	9249.9	9295.5
25°	8248.7	8287.7	8554.2	8966.0	9401.6	9702.9	9700.7	9481.8	9330.1	9455.8	9503.5
27.5°	8742.8	8803.5	9059.2	9492.7	9958.6	10255.6	10238.2	9900.1	9611.9	9644.4	9685.6
30°	9310.6	9377.8	9627.0	10067.0	10533.0	10823.4	10801.7	10355.3	9921.8	9835.1	9865.4
32.5°	10015.0	10095.2	10331.4	10764.9	11176.6	11438.9	11376.0	10849.4	10294.6	10106.0	10134.2
35°	10862.4	10910.1	11159.3	11586.3	11920.0	12099.9	11967.7	11421.6	10767.0	10539.5	10539.5
37.5°	11720.6	11757.5	12037.1	12451.0	12773.9	12869.3	12611.4	12047.9	11384.7	11061.8	11068.3
40°	12544.2	12643.9	12958.2	13382.9	13701.5	13727.5	13385.1	12763.1	12071.7	11738.0	11777.0
42.5°	13404.6	13502.1	13877.1	14358.2	14640.0	14683.3	14282.4	13565.0	12847.6	12576.7	12620.1
45°	14171.8	14249.8	14683.3	15242.5	15593.6	15706.3	15231.6	14483.9	13686.4	13421.9	13432.8
47.5°	14707.1	14809.0	15285.8	15944.7	16456.1	16629.5	16163.6	15379.0	14512.1	14191.3	14219.5
50°	15192.6	15246.8	15730.1	16449.6	17099.8	17457.4	17058.6	16263.2	15346.5	15006.2	15036.6
52.5°	15463.5	15532.9	16001.0	16750.9	17520.3	18096.8	17854.0	17058.6	16152.7	15821.1	15858.0
55°	15275.0	15327.0	15888.3	16818.1	17780.3	18491.2	18528.1	17836.7	16943.8	16653.4	16757.4
57.5°	14416.7	14481.7	15166.6	16384.6	17812.9	18757.8	19035.2	18558.4	17682.8	17446.6	17507.3
60°	13075.2	13116.4	13846.7	15216.5	17180.0	18868.3	19358.1	19147.9	18406.7	18170.5	18252.8
62.5°	10684.7	10745.4	11618.8	13454.5	15842.8	18541.1	19670.2	19635.5	19080.7	18864.0	18937.7
65°	7303.7	7409.9	8376.5	10697.7	13781.7	17539.8	19954.1	20203.4	19676.7	19403.6	19501.2
67.5°	4410.4	4488.4	5188.5	7063.2	10546.0	15519.9	19661.5	20849.2	20097.2	19657.2	19737.4
68°	3942.3	4013.8	4599.0	6374.0	9754.9	14949.9	19395.0	20922.9	20142.7	19652.9	19724.4
70°	2381.8	2429.5	2821.8	3940.1	6504.0	11859.3	17576.6	20862.2	20433.1	19713.6	19754.7
72.5°	1551.8	1566.9	1632.0	2022.1	3322.4	6631.9	13192.2	19440.5	20868.7	20066.8	20060.3
75°	1289.5	1280.9	1287.4	1332.9	1638.5	2908.5	7709.0	15357.3	19893.4	19509.8	19373.3
77.5°	1090.1	1083.6	1081.5	1083.6	1096.6	1404.4	3346.3	9566.4	15223.0	17258.0	17379.4
80°	882.1	873.4	901.6	888.6	849.6	873.4	1402.2	3979.1	7175.9	7719.8	7234.4
82.5°	641.5	609.0	730.4	695.7	663.2	615.5	773.7	1285.2	1712.1	1174.7	825.7
85°	494.1	459.5	554.8	533.2	455.1	314.3	459.5	628.5	693.5	396.6	312.1
87.5°	201.6	212.4	400.9	316.4	266.6	151.7	188.6	251.4	338.1	169.0	130.0
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)