

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: P317083

Luminaire Tested: **GAN-SA9B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317083
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-SA9B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47559 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

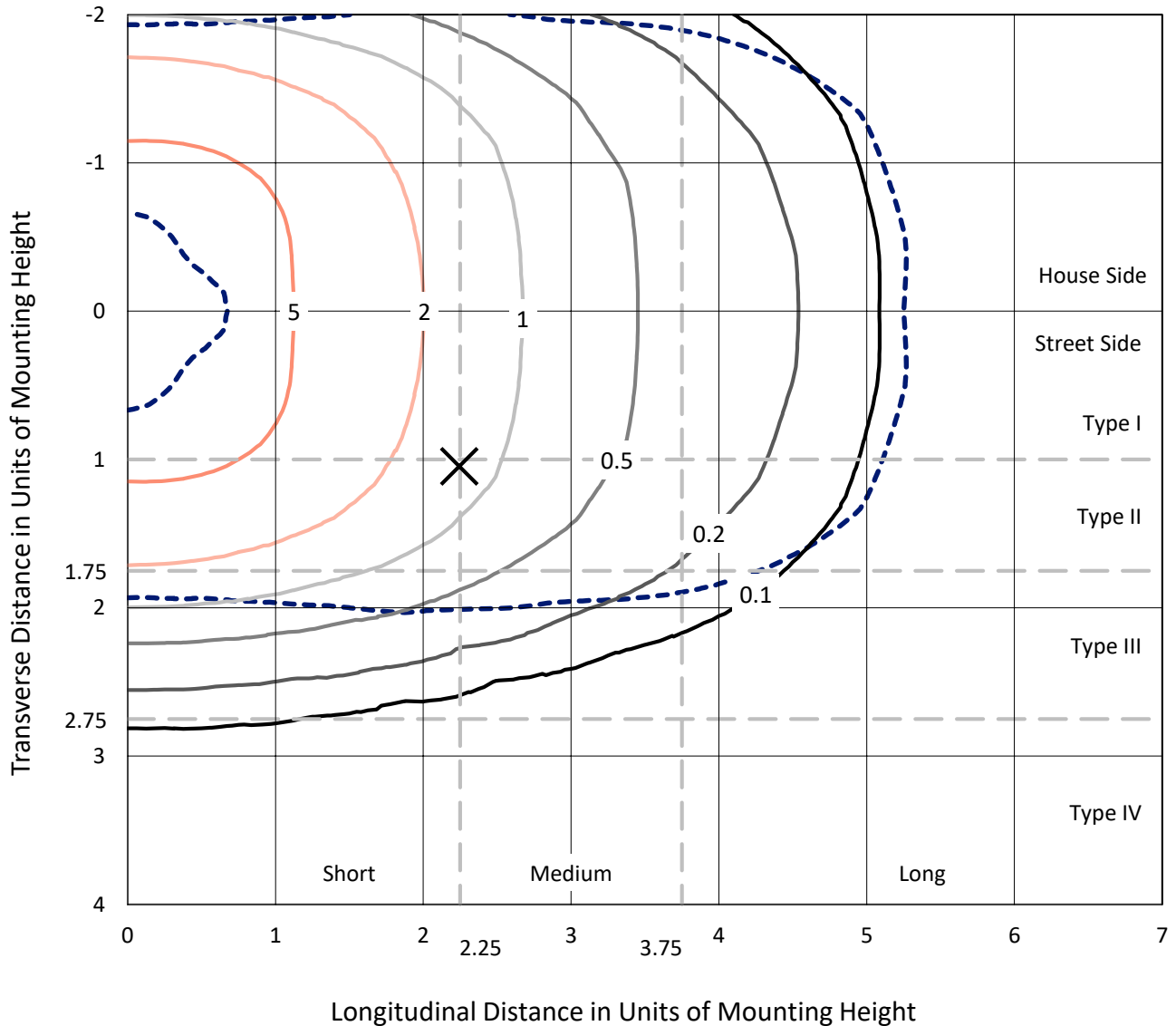
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

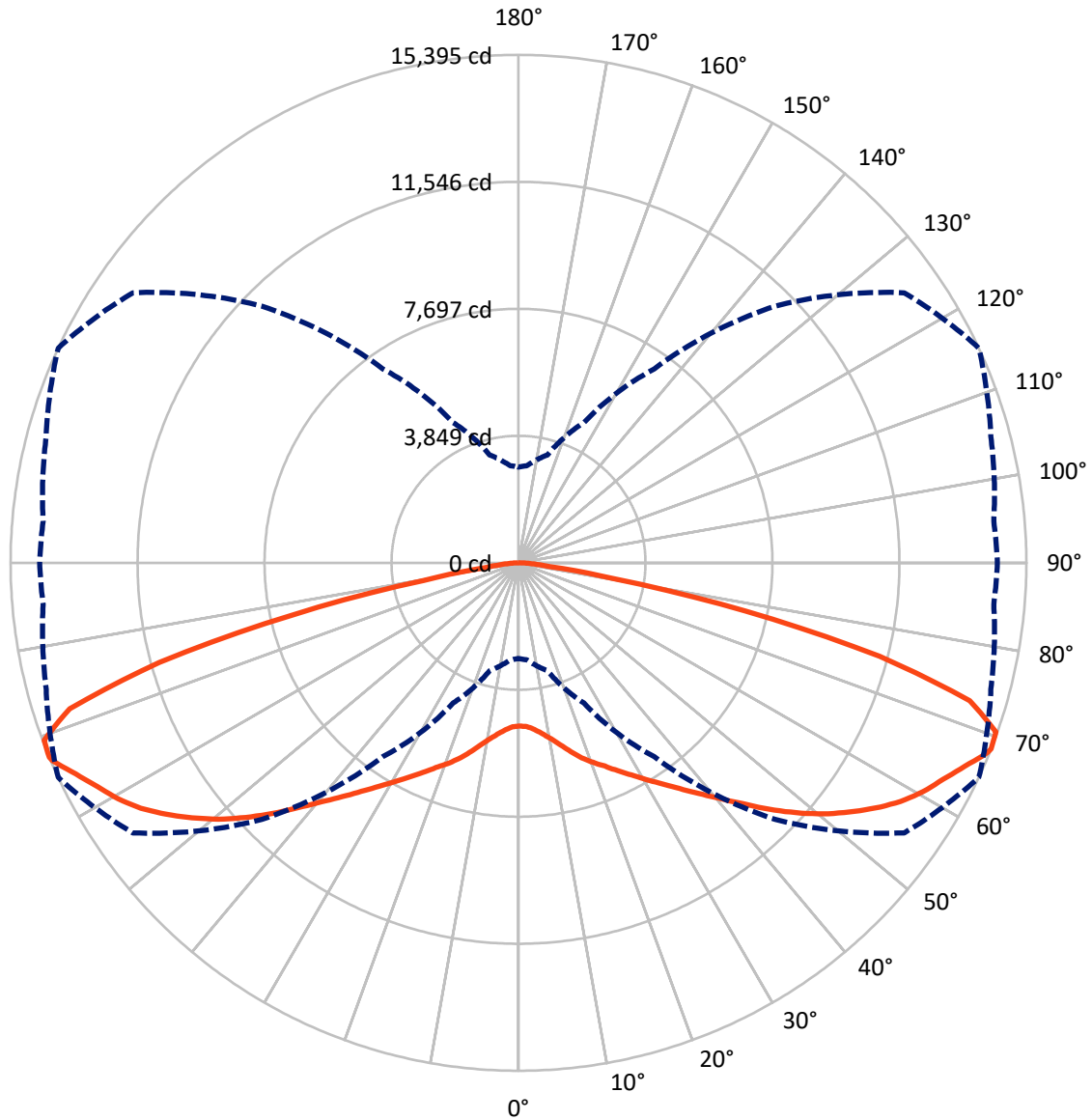
× Max cd
 - - - 1/2 Max cd



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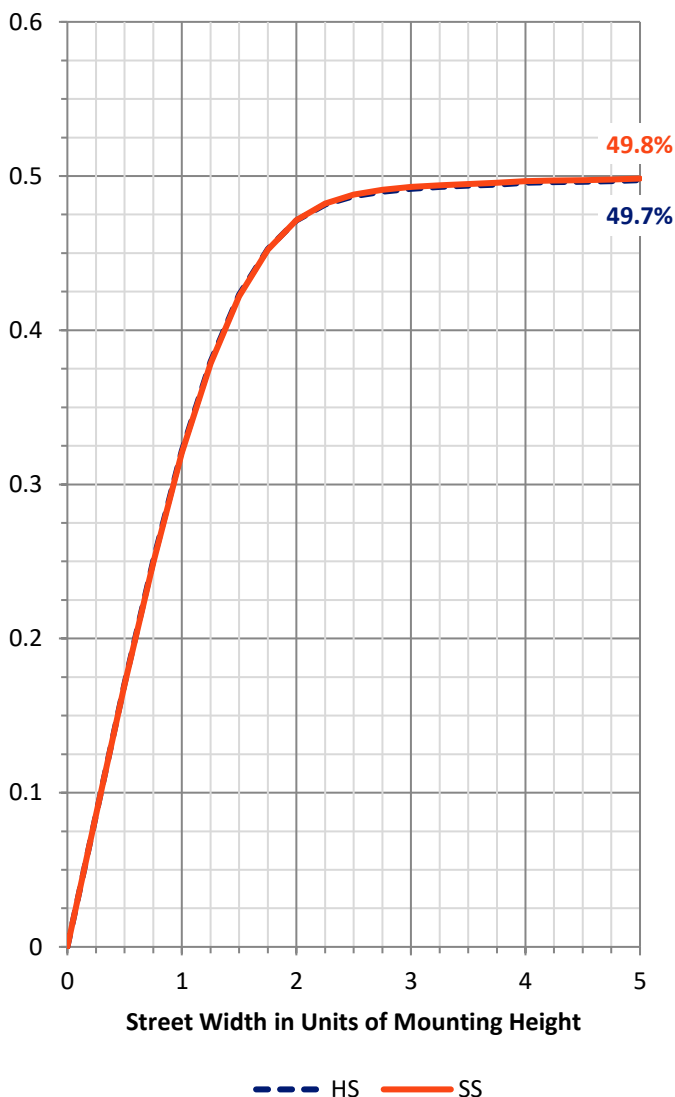
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23779.5	0.0	23779.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23779.5	0.0	23779.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47559.0	0.0	47559.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.1	1.0
10°-20°	1621.1	3.4
20°-30°	3160.8	6.6
30°-40°	5309.9	11.2
40°-50°	8366.6	17.6
50°-60°	11188.9	23.5
60°-70°	10877.0	22.9
70°-80°	5945.9	12.5
80°-90°	604.7	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°	47559.0	100.0
0°-180°	47559.0	100.0

Coefficient of Utilization

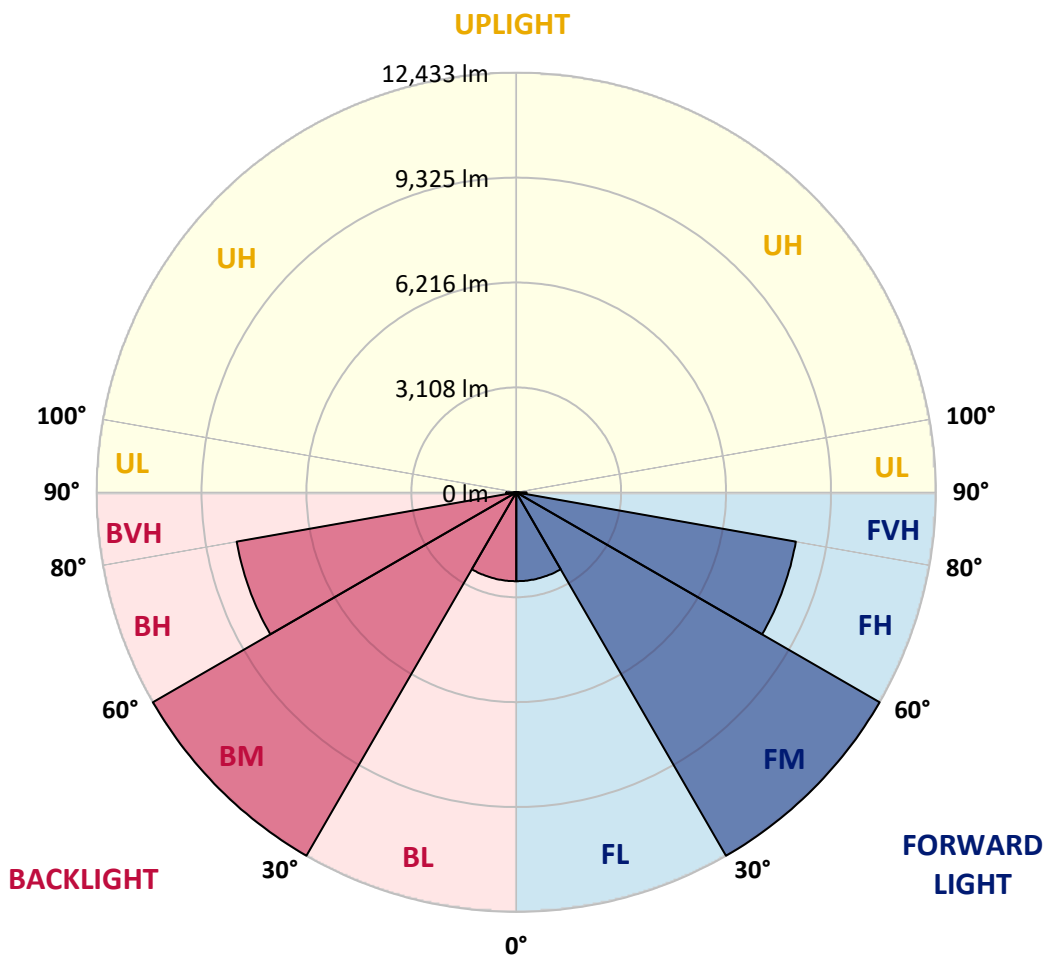


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2633.0	5.5			
FM (30°-60°)	12432.7	26.1			
FH (60°-80°)	8411.4	17.7			G4/12000
FVH (80°-90°)	302.4	0.6			G3/500
BL (0°-30°)	2633.0	5.5	B4/5000		
BM (30°-60°)	12432.7	26.1	B5		
BH (60°-80°)	8411.4	17.7	B5		G5
BVH (80°-90°)	302.4	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°	4945.0	4945.0	4945.0	4945.0	4945.0	4945.0	4945.0	4945.0	4945.0	4945.0	4945.0
2.5°	4909.9	4911.5	4919.5	4929.1	4937.0	4957.8	4962.6	4970.5	4973.7	4981.7	4981.7
5°	4866.9	4870.1	4889.2	4914.7	4943.4	4994.5	5031.1	5072.6	5093.3	5115.6	5114.1
7.5°	4862.1	4870.1	4897.2	4938.6	4986.5	5071.0	5147.5	5230.5	5286.3	5337.3	5334.1
10°	4911.5	4924.3	4962.6	5024.7	5096.5	5201.8	5315.0	5426.6	5523.9	5602.0	5605.2
12.5°	4986.5	5002.4	5063.0	5157.1	5265.5	5401.1	5535.0	5661.0	5795.0	5911.4	5920.9
15°	5085.3	5106.1	5197.0	5337.3	5503.1	5664.2	5807.7	5936.9	6091.6	6252.6	6268.6
17.5°	5232.1	5260.8	5380.4	5570.1	5788.6	5965.6	6115.5	6212.8	6341.9	6507.8	6538.1
20°	5455.3	5492.0	5643.5	5869.9	6136.2	6321.2	6436.0	6456.7	6520.5	6668.8	6703.9
22.5°	5745.5	5777.4	5946.5	6216.0	6514.2	6715.1	6775.7	6692.8	6686.4	6806.0	6839.5
25°	6069.2	6098.0	6294.1	6597.1	6917.6	7139.3	7137.7	6976.6	6865.0	6957.5	6992.6
27.5°	6432.8	6477.5	6665.6	6984.6	7327.4	7545.9	7533.1	7284.4	7072.3	7096.2	7126.5
30°	6850.6	6900.1	7083.4	7407.2	7750.0	7963.7	7947.7	7619.2	7300.3	7236.5	7258.9
32.5°	7368.9	7427.9	7601.7	7920.6	8223.6	8416.6	8370.3	7982.8	7574.6	7435.9	7456.6
35°	7992.4	8027.5	8210.9	8525.0	8770.6	8902.9	8805.7	8403.8	7922.2	7754.8	7754.8
37.5°	8623.9	8651.0	8856.7	9161.3	9398.9	9469.0	9279.3	8864.7	8376.7	8139.1	8143.9
40°	9229.8	9303.2	9534.4	9847.0	10081.4	10100.5	9848.6	9390.9	8882.2	8636.6	8665.3
42.5°	9862.9	9934.7	10210.6	10564.6	10771.9	10803.8	10508.8	9980.9	9453.1	9253.8	9285.7
45°	10427.4	10484.8	10803.8	11215.2	11473.5	11556.4	11207.2	10657.1	10070.2	9875.7	9883.7
47.5°	10821.3	10896.3	11247.1	11731.9	12108.2	12235.8	11892.9	11315.7	10677.8	10441.8	10462.5
50°	11178.5	11218.4	11574.0	12103.4	12581.8	12844.9	12551.5	11966.3	11291.7	11041.4	11063.7
52.5°	11377.8	11428.9	11773.3	12325.1	12891.2	13315.3	13136.7	12551.5	11884.9	11641.0	11668.1
55°	11239.1	11277.4	11690.4	12374.5	13082.5	13605.6	13632.7	13124.0	12467.0	12253.3	12329.9
57.5°	10607.6	10655.5	11159.4	12055.6	13106.4	13801.7	14005.8	13655.0	13010.8	12837.0	12881.6
60°	9620.5	9650.8	10188.2	11196.1	12640.8	13883.0	14243.4	14088.8	13543.4	13369.6	13430.2
62.5°	7861.6	7906.3	8548.9	9899.6	11656.9	13642.3	14473.1	14447.6	14039.3	13879.9	13934.1
65°	5374.0	5452.1	6163.3	7871.2	10140.4	12905.5	14682.0	14865.3	14477.8	14276.9	14348.7
67.5°	3245.1	3302.5	3817.6	5197.0	7759.6	11419.3	14466.7	15340.6	14787.2	14463.5	14522.5
68°	2900.7	2953.3	3383.9	4689.9	7177.5	10999.9	14270.5	15394.8	14820.7	14460.3	14512.9
70°	1752.5	1787.6	2076.2	2899.1	4785.6	8725.9	12932.6	15350.1	15034.4	14505.0	14535.3
72.5°	1141.8	1152.9	1200.8	1487.8	2444.6	4879.6	9706.6	14304.0	15354.9	14764.9	14760.1
75°	948.8	942.4	947.2	980.7	1205.6	2140.0	5672.2	11299.7	14637.3	14355.1	14254.6
77.5°	802.1	797.3	795.7	797.3	806.9	1033.3	2462.1	7038.8	11200.8	12698.2	12787.5
80°	649.0	642.6	663.4	653.8	625.1	642.6	1031.7	2927.8	5279.9	5680.2	5322.9
82.5°	472.0	448.1	537.4	511.9	488.0	452.9	569.3	945.6	1259.8	864.3	607.6
85°	363.6	338.1	408.2	392.3	334.9	231.2	338.1	462.4	510.3	291.8	229.6
87.5°	148.3	156.3	295.0	232.8	196.1	111.6	138.7	185.0	248.8	124.4	95.7
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)