

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: P317044

Luminaire Tested: **GAN-SA0B-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317044
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-SA0B-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48352 lumens
Efficiency: N/A
Efficacy: 115.4 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): 419
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



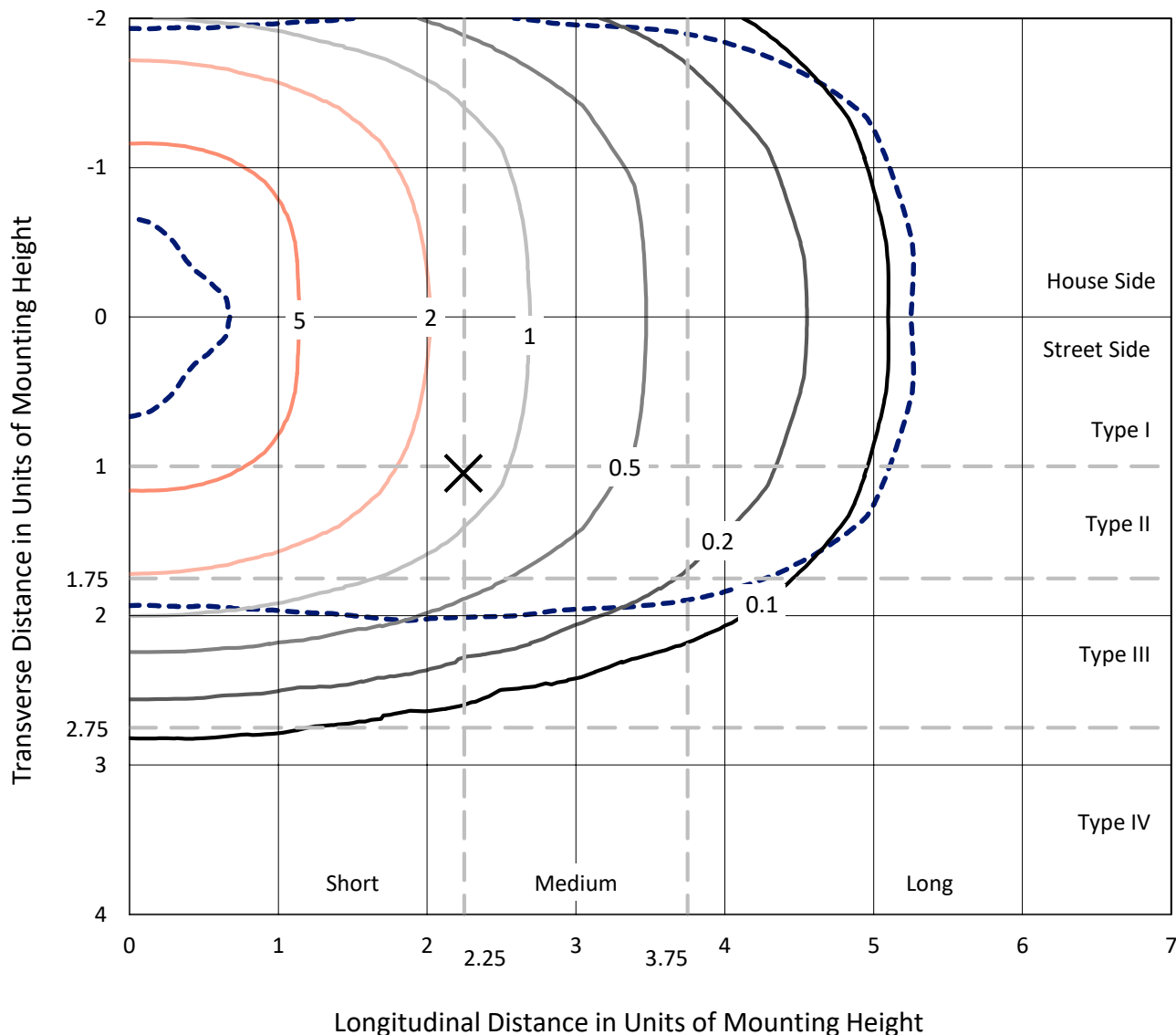
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

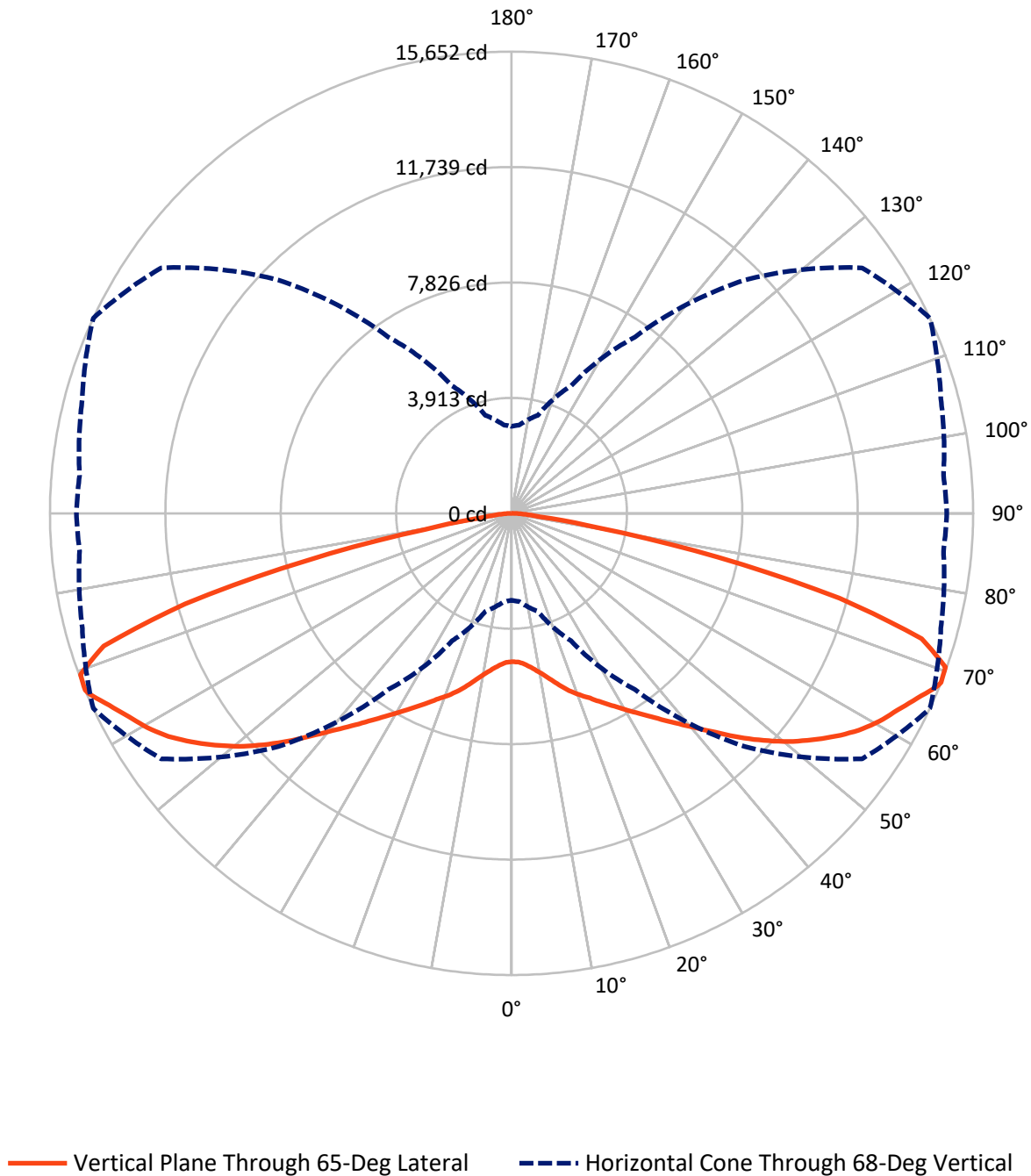


Based on 25 foot mounting height. Maximum calculated value = 9.1 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24176.0	0.0	24176.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24176.0	0.0	24176.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48352.0	0.0	48352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.2	1.0
10°-20°	1648.2	3.4
20°-30°	3213.5	6.6
30°-40°	5398.5	11.2
40°-50°	8506.1	17.6
50°-60°	11375.4	23.5
60°-70°	11058.3	22.9
70°-80°	6045.0	12.5
80°-90°	614.8	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°	48352.0	100.0
0°-180°	48352.0	100.0

Coefficient of Utilization



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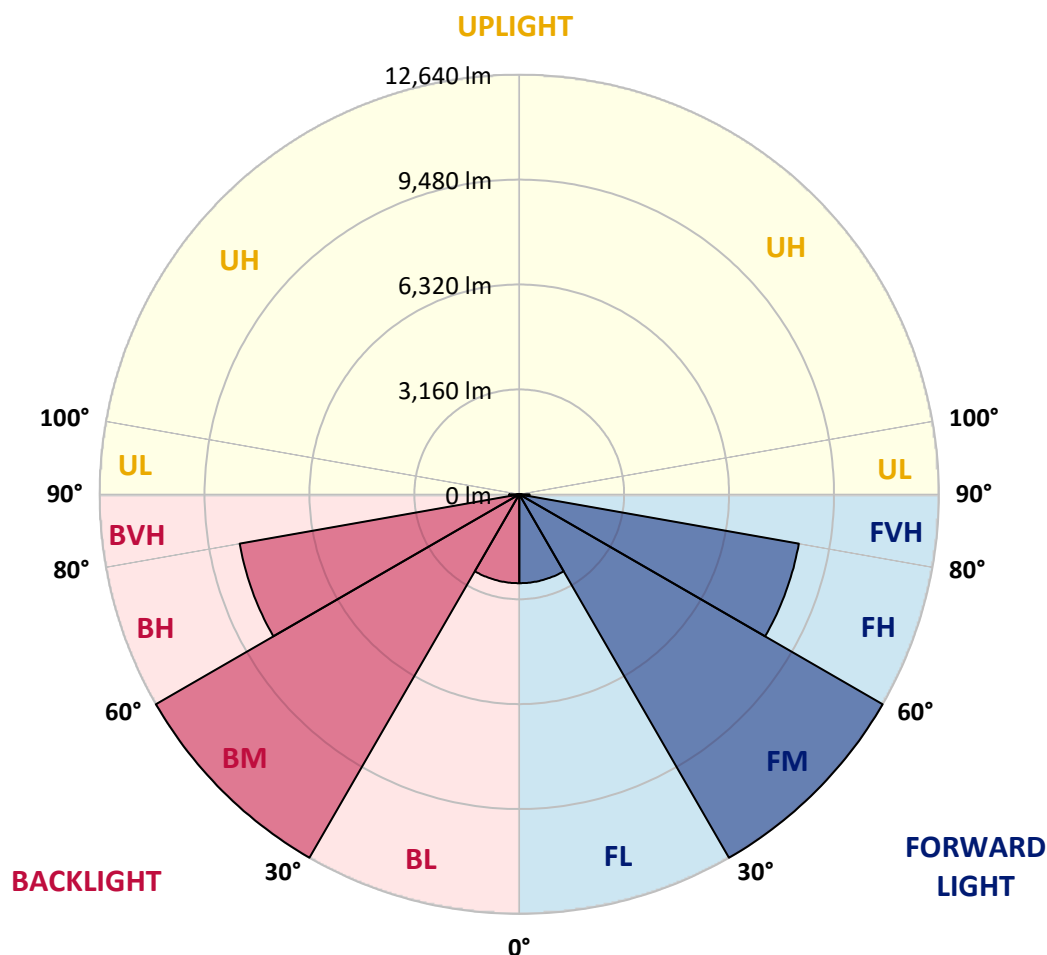
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2676.9	5.5			
FM	(30°-60°)	12640.0	26.1			
FH	(60°-80°)	8551.7	17.7			G4/12000
FVH	(80°-90°)	307.4	0.6			G3/500
BL	(0°-30°)	2676.9	5.5	B4/5000		
BM	(30°-60°)	12640.0	26.1	B5		
BH	(60°-80°)	8551.7	17.7	B5		G5
BVH	(80°-90°)	307.4	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°	5027.5	5027.5	5027.5	5027.5	5027.5	5027.5	5027.5	5027.5	5027.5	5027.5	5027.5
2.5°	4991.8	4993.4	5001.5	5011.3	5019.4	5040.4	5045.3	5053.4	5056.7	5064.8	5064.8
5°	4948.0	4951.3	4970.7	4996.7	5025.8	5077.7	5115.0	5157.2	5178.2	5200.9	5199.3
7.5°	4943.2	4951.3	4978.8	5021.0	5069.6	5155.5	5233.4	5317.7	5374.4	5426.3	5423.1
10°	4993.4	5006.4	5045.3	5108.5	5181.5	5288.5	5403.6	5517.1	5616.0	5695.4	5698.7
12.5°	5069.6	5085.8	5147.4	5243.1	5353.3	5491.1	5627.3	5755.4	5891.6	6009.9	6019.7
15°	5170.1	5191.2	5283.6	5426.3	5594.9	5758.7	5904.6	6035.9	6193.1	6356.9	6373.1
17.5°	5319.3	5348.5	5470.1	5663.0	5885.1	6065.1	6217.5	6316.4	6447.7	6616.3	6647.1
20°	5546.3	5583.6	5737.6	5967.8	6238.5	6426.6	6543.3	6564.4	6629.3	6780.0	6815.7
22.5°	5841.3	5873.8	6045.6	6319.6	6622.8	6827.0	6888.7	6804.4	6797.9	6919.5	6953.5
25°	6170.4	6199.6	6399.0	6707.1	7032.9	7258.3	7256.7	7092.9	6979.4	7073.5	7109.1
27.5°	6540.1	6585.5	6776.8	7101.0	7449.6	7671.7	7658.7	7405.8	7190.2	7214.5	7245.3
30°	6964.9	7015.1	7201.6	7530.7	7879.2	8096.5	8080.3	7746.3	7422.0	7357.2	7379.9
32.5°	7491.8	7551.7	7728.5	8052.7	8360.7	8556.9	8509.9	8115.9	7700.9	7559.8	7580.9
35°	8125.7	8161.3	8347.8	8667.2	8916.8	9051.4	8952.5	8543.9	8054.3	7884.1	7884.1
37.5°	8767.7	8795.2	9004.4	9314.0	9555.6	9626.9	9434.0	9012.5	8516.4	8274.8	8279.7
40°	9383.7	9458.3	9693.4	10011.2	10249.5	10268.9	10012.8	9547.5	9030.3	8780.6	8809.8
42.5°	10027.4	10100.3	10380.8	10740.7	10951.5	10983.9	10684.0	10147.4	9610.7	9408.1	9440.5
45°	10601.3	10659.7	10983.9	11402.2	11664.8	11749.1	11394.1	10834.8	10238.1	10040.3	10048.5
47.5°	11001.7	11077.9	11434.6	11927.5	12310.1	12439.8	12091.2	11504.3	10855.8	10615.9	10637.0
50°	11364.9	11405.4	11767.0	12305.2	12791.6	13059.1	12760.8	12165.8	11480.0	11225.5	11248.2
52.5°	11567.6	11619.4	11969.6	12530.6	13106.1	13537.4	13355.8	12760.8	12083.1	11835.1	11862.6
55°	11426.5	11465.4	11885.3	12580.8	13300.7	13832.4	13860.0	13342.8	12674.9	12457.6	12535.4
57.5°	10784.5	10833.1	11345.4	12256.6	13325.0	14031.8	14239.4	13882.7	13227.7	13051.0	13096.4
60°	9781.0	9811.8	10358.1	11382.7	12851.6	14114.5	14480.9	14323.7	13769.2	13592.5	13654.1
62.5°	7992.7	8038.1	8691.5	10064.7	11851.3	13869.7	14714.4	14688.4	14273.4	14111.3	14166.4
65°	5463.6	5543.0	6266.1	8002.4	10309.5	13120.7	14926.8	15113.2	14719.3	14515.0	14587.9
67.5°	3299.2	3357.6	3881.3	5283.6	7889.0	11609.7	14707.9	15596.3	15033.8	14704.7	14764.6
68°	2949.0	3002.5	3440.3	4768.1	7297.2	11183.3	14508.5	15651.5	15067.8	14701.4	14754.9
70°	1781.7	1817.4	2110.9	2947.4	4865.3	8871.4	13148.3	15606.1	15285.1	14746.8	14777.6
72.5°	1160.8	1172.2	1220.8	1512.6	2485.4	4961.0	9868.5	14542.5	15610.9	15011.1	15006.2
75°	964.6	958.2	963.0	997.1	1225.7	2175.7	5766.8	11488.1	14881.4	14594.4	14492.3
77.5°	815.5	810.6	809.0	810.6	820.3	1050.6	2503.2	7156.2	11387.6	12909.9	13000.7
80°	659.8	653.4	674.4	664.7	635.5	653.4	1048.9	2976.6	5367.9	5774.9	5411.7
82.5°	479.9	455.6	546.4	520.4	496.1	460.4	578.8	961.4	1280.8	878.7	617.7
85°	369.6	343.7	415.0	398.8	340.5	235.1	343.7	470.2	518.8	296.7	233.5
87.5°	150.8	158.9	299.9	236.7	199.4	113.5	141.0	188.1	252.9	126.5	97.3
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)