

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: P317042

Luminaire Tested: **GAN-SA8B-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317042
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-SA8B-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 39152 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 334
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



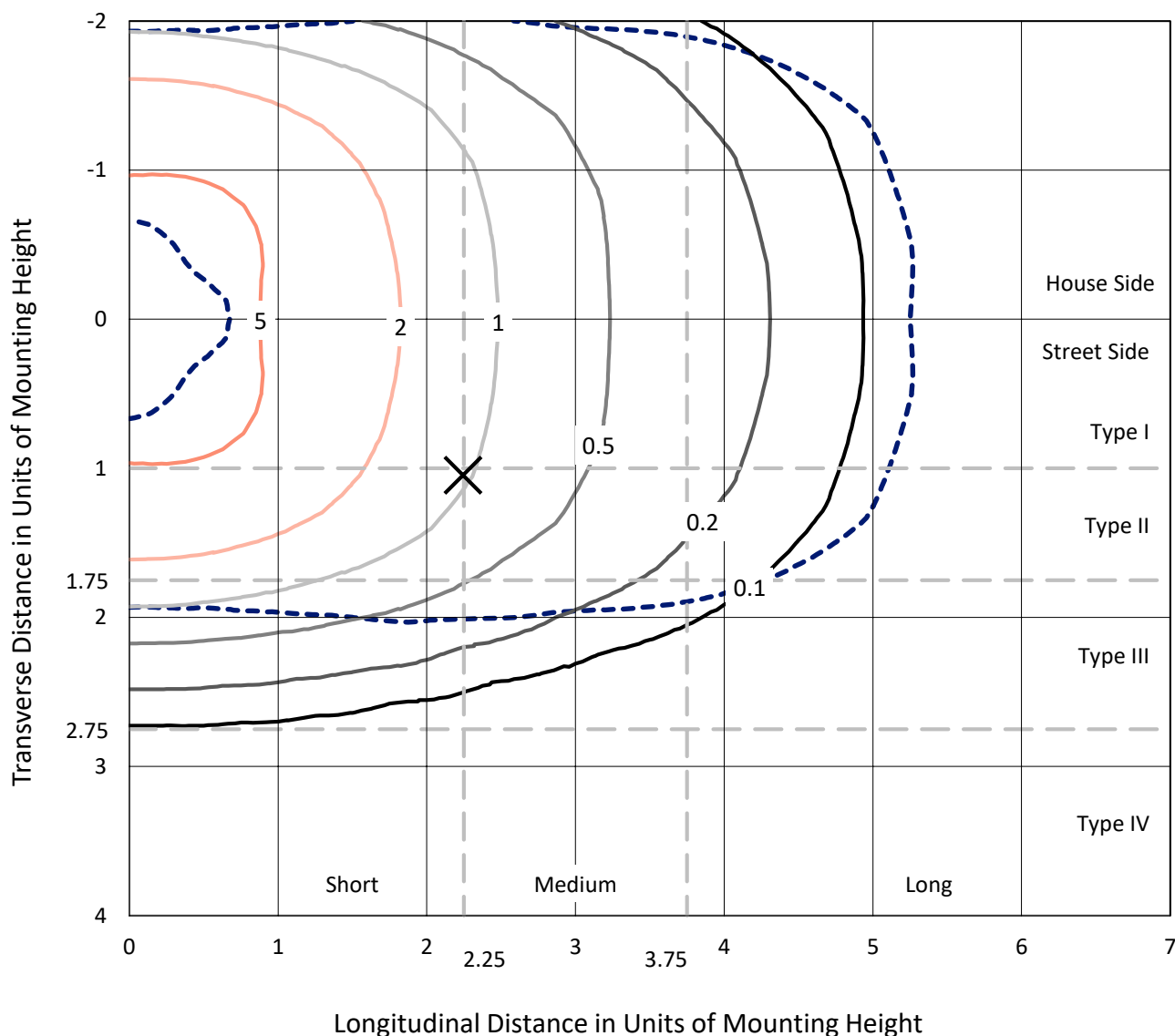
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

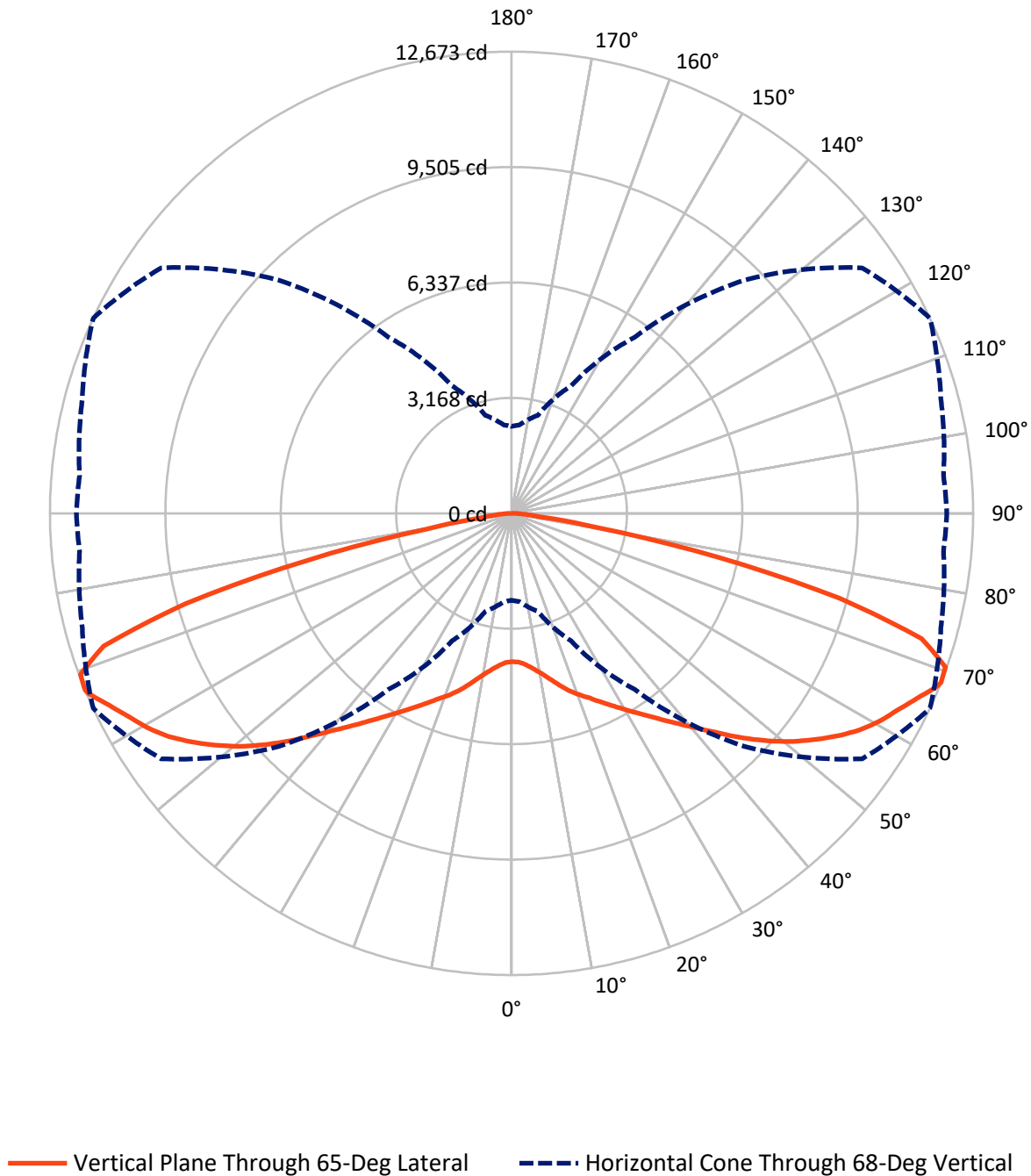


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc

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	19576.0	0.0	19576.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19576.0	0.0	19576.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39152.0	0.0	39152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.6	1.0
10°-20°	1334.6	3.4
20°-30°	2602.1	6.6
30°-40°	4371.3	11.2
40°-50°	6887.6	17.6
50°-60°	9211.0	23.5
60°-70°	8954.2	22.9
70°-80°	4894.8	12.5
80°-90°	497.8	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°	39152.0	100.0
0°-180°	39152.0	100.0

Coefficient of Utilization



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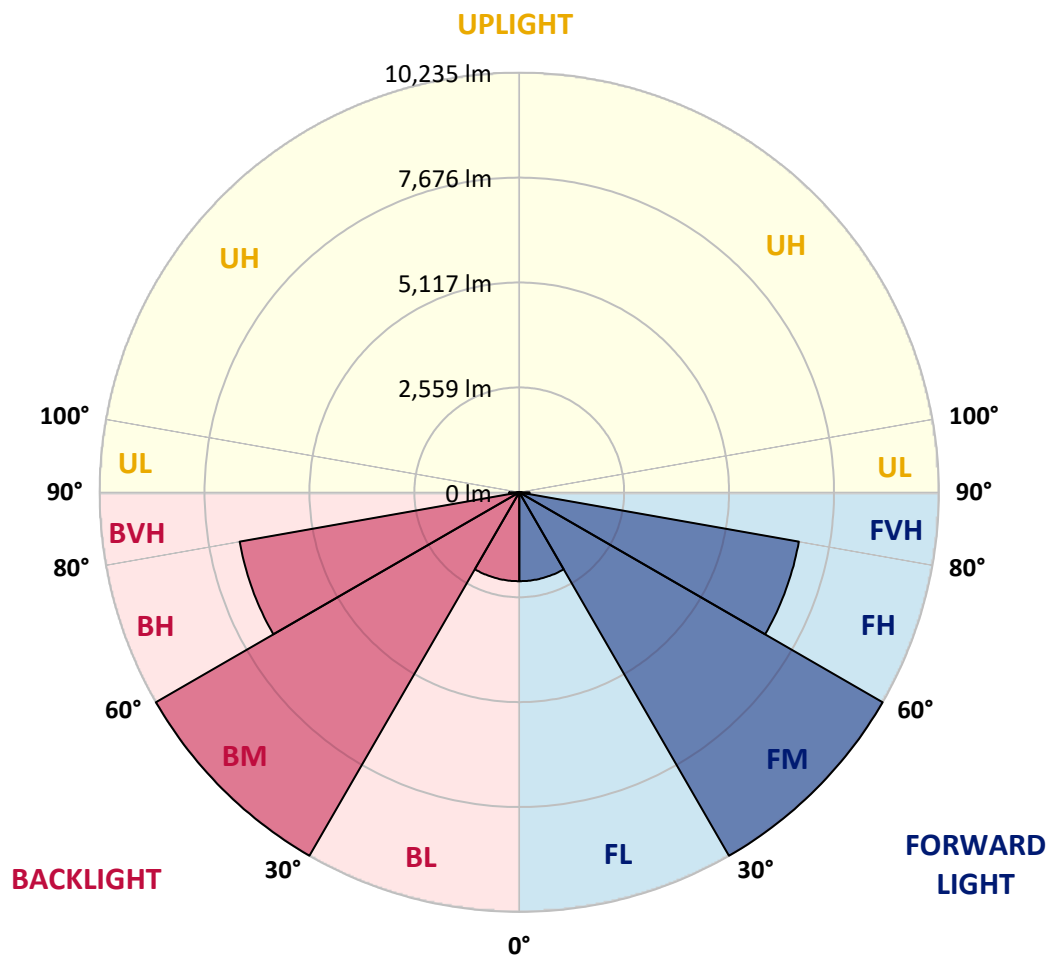
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2167.6	5.5			
FM	(30°-60°)	10234.9	26.1			
FH	(60°-80°)	6924.5	17.7			G3/7500
FVH	(80°-90°)	248.9	0.6			G3/500
BL	(0°-30°)	2167.6	5.5	B3/2500		
BM	(30°-60°)	10234.9	26.1	B5		
BH	(60°-80°)	6924.5	17.7	B5		G5
BVH	(80°-90°)	248.9	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°	4070.9	4070.9	4070.9	4070.9	4070.9	4070.9	4070.9	4070.9	4070.9	4070.9	4070.9
2.5°	4042.0	4043.3	4049.9	4057.8	4064.3	4081.4	4085.3	4091.9	4094.5	4101.1	4101.1
5°	4006.6	4009.2	4024.9	4045.9	4069.6	4111.6	4141.8	4175.9	4193.0	4211.4	4210.0
7.5°	4002.6	4009.2	4031.5	4065.6	4105.0	4174.6	4237.6	4305.9	4351.8	4393.8	4391.2
10°	4043.3	4053.8	4085.3	4136.5	4195.6	4282.2	4375.4	4467.3	4547.4	4611.7	4614.4
12.5°	4105.0	4118.1	4168.0	4245.5	4334.8	4446.3	4556.6	4660.3	4770.6	4866.4	4874.3
15°	4186.4	4203.5	4278.3	4393.8	4530.4	4662.9	4781.1	4887.4	5014.8	5147.4	5160.5
17.5°	4307.2	4330.8	4429.3	4585.5	4765.3	4911.1	5034.5	5114.5	5220.9	5357.4	5382.3
20°	4491.0	4521.2	4645.9	4832.3	5051.5	5203.8	5298.3	5315.4	5367.9	5490.0	5518.9
22.5°	4729.9	4756.2	4895.3	5117.2	5362.6	5528.1	5577.9	5509.7	5504.4	5602.9	5630.5
25°	4996.4	5020.0	5181.5	5430.9	5694.8	5877.3	5875.9	5743.4	5651.5	5727.6	5756.5
27.5°	5295.7	5332.5	5487.4	5749.9	6032.2	6212.0	6201.5	5996.7	5822.1	5841.8	5866.8
30°	5639.6	5680.3	5831.3	6097.8	6380.0	6556.0	6542.8	6272.4	6009.8	5957.3	5975.7
32.5°	6066.3	6114.9	6258.0	6520.5	6769.9	6928.8	6890.7	6571.7	6235.6	6121.4	6138.5
35°	6579.6	6608.5	6759.4	7018.0	7220.2	7329.2	7249.1	6918.3	6521.8	6384.0	6384.0
37.5°	7099.4	7121.8	7291.1	7541.8	7737.4	7795.2	7639.0	7297.7	6896.0	6700.4	6704.3
40°	7598.3	7658.7	7849.0	8106.3	8299.3	8315.1	8107.6	7730.9	7312.1	7109.9	7133.6
42.5°	8119.5	8178.5	8405.6	8697.1	8867.7	8894.0	8651.1	8216.6	7782.1	7618.0	7644.2
45°	8584.2	8631.4	8894.0	9232.7	9445.3	9513.6	9226.1	8773.2	8290.1	8130.0	8136.5
47.5°	8908.4	8970.1	9258.9	9658.0	9967.8	10072.9	9790.6	9315.4	8790.3	8596.0	8613.1
50°	9202.5	9235.3	9528.1	9963.9	10357.7	10574.3	10332.8	9851.0	9295.7	9089.6	9108.0
52.5°	9366.6	9408.6	9692.1	10146.4	10612.4	10961.6	10814.6	10332.8	9784.0	9583.2	9605.5
55°	9252.4	9283.9	9623.9	10187.1	10769.9	11200.5	11222.8	10804.1	10263.2	10087.3	10150.3
57.5°	8732.5	8771.9	9186.7	9924.5	10789.6	11362.0	11530.0	11241.2	10710.9	10567.8	10604.5
60°	7919.9	7944.9	8387.3	9216.9	10406.3	11428.9	11725.6	11598.3	11149.3	11006.2	11056.1
62.5°	6471.9	6508.7	7037.7	8149.7	9596.3	11230.7	11914.7	11893.7	11557.6	11426.3	11470.9
65°	4424.0	4488.3	5073.8	6479.8	8347.9	10624.2	12086.6	12237.6	11918.6	11753.2	11812.3
67.5°	2671.5	2718.7	3142.8	4278.3	6387.9	9400.7	11909.4	12628.8	12173.3	11906.8	11955.4
68°	2387.9	2431.2	2785.7	3860.8	5908.8	9055.5	11747.9	12673.4	12200.8	11904.2	11947.5
70°	1442.7	1471.6	1709.2	2386.6	3939.6	7183.5	10646.5	12636.7	12376.8	11940.9	11965.9
72.5°	939.9	949.1	988.5	1224.8	2012.5	4017.1	7990.8	11775.5	12640.6	12154.9	12151.0
75°	781.1	775.8	779.8	807.4	992.5	1761.7	4669.5	9302.3	12049.9	11817.5	11734.8
77.5°	660.3	656.4	655.1	656.4	664.3	850.7	2026.9	5794.5	9220.9	10453.6	10527.1
80°	534.3	529.0	546.1	538.2	514.6	529.0	849.4	2410.2	4346.6	4676.1	4382.0
82.5°	388.6	368.9	442.4	421.4	401.7	372.8	468.7	778.5	1037.1	711.5	500.2
85°	299.3	278.3	336.1	322.9	275.7	190.4	278.3	380.7	420.1	240.2	189.0
87.5°	122.1	128.7	242.9	191.7	161.5	91.9	114.2	152.3	204.8	102.4	78.8
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)