

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: P317240

Luminaire Tested: **GAN-SA6B-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317240
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-SA6B-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 25684 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 249
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



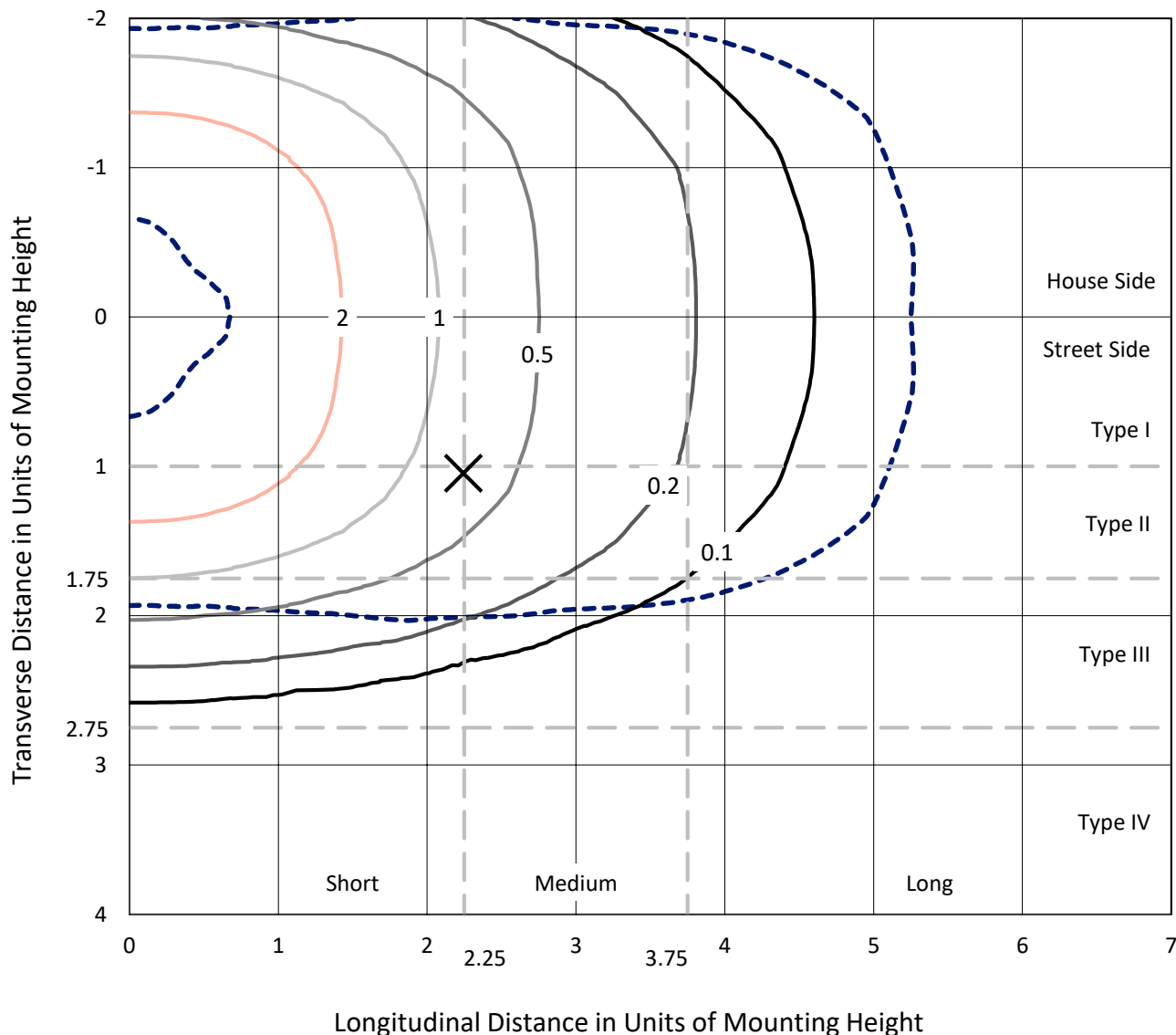
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

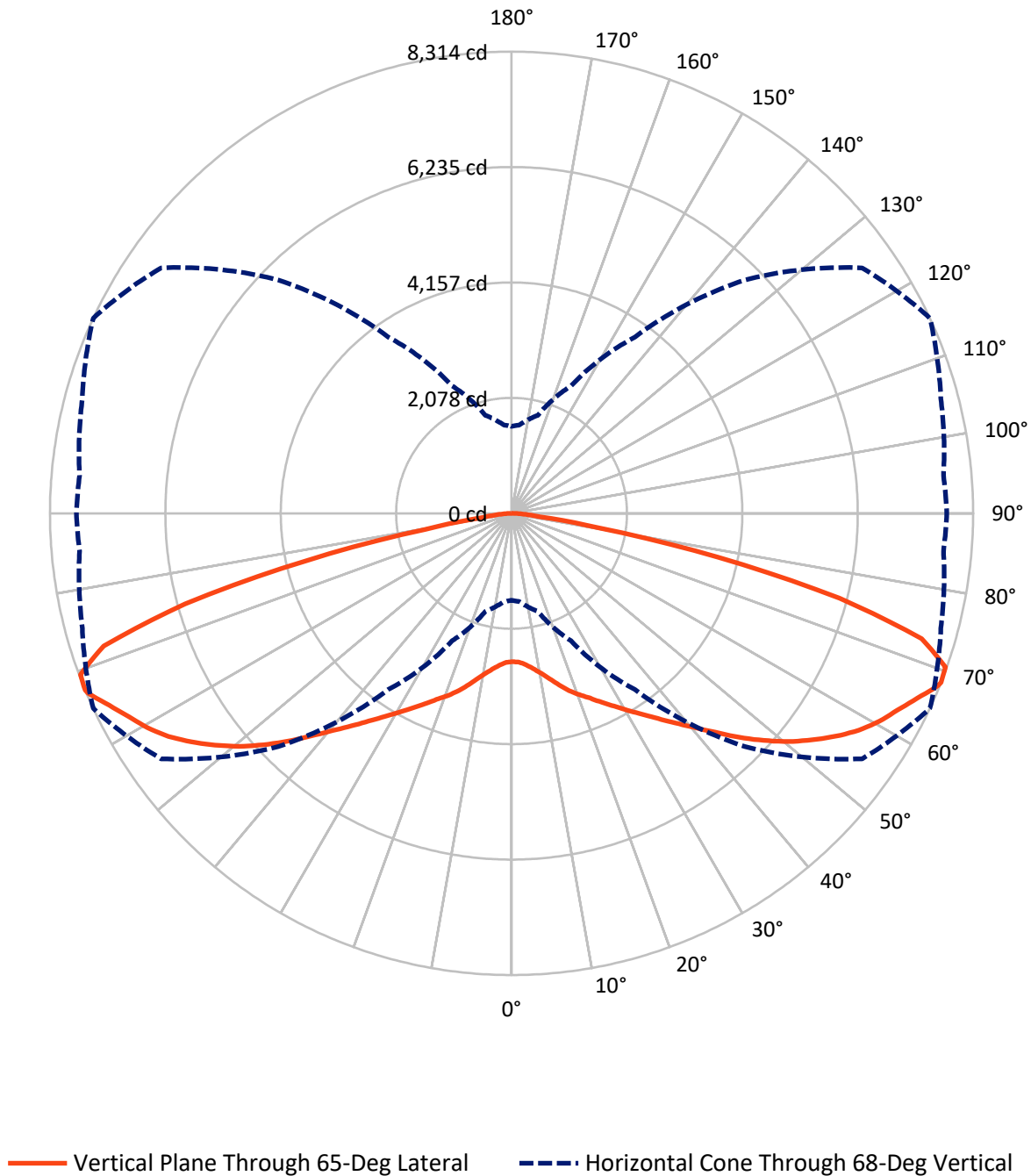


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc

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	12842.0	0.0	12842.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12842.0	0.0	12842.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25684.0	0.0	25684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.5	1.0
10°-20°	875.5	3.4
20°-30°	1707.0	6.6
30°-40°	2867.6	11.2
40°-50°	4518.3	17.6
50°-60°	6042.5	23.5
60°-70°	5874.1	22.9
70°-80°	3211.0	12.5
80°-90°	326.6	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°	25684.0	100.0
0°-180°	25684.0	100.0

Coefficient of Utilization



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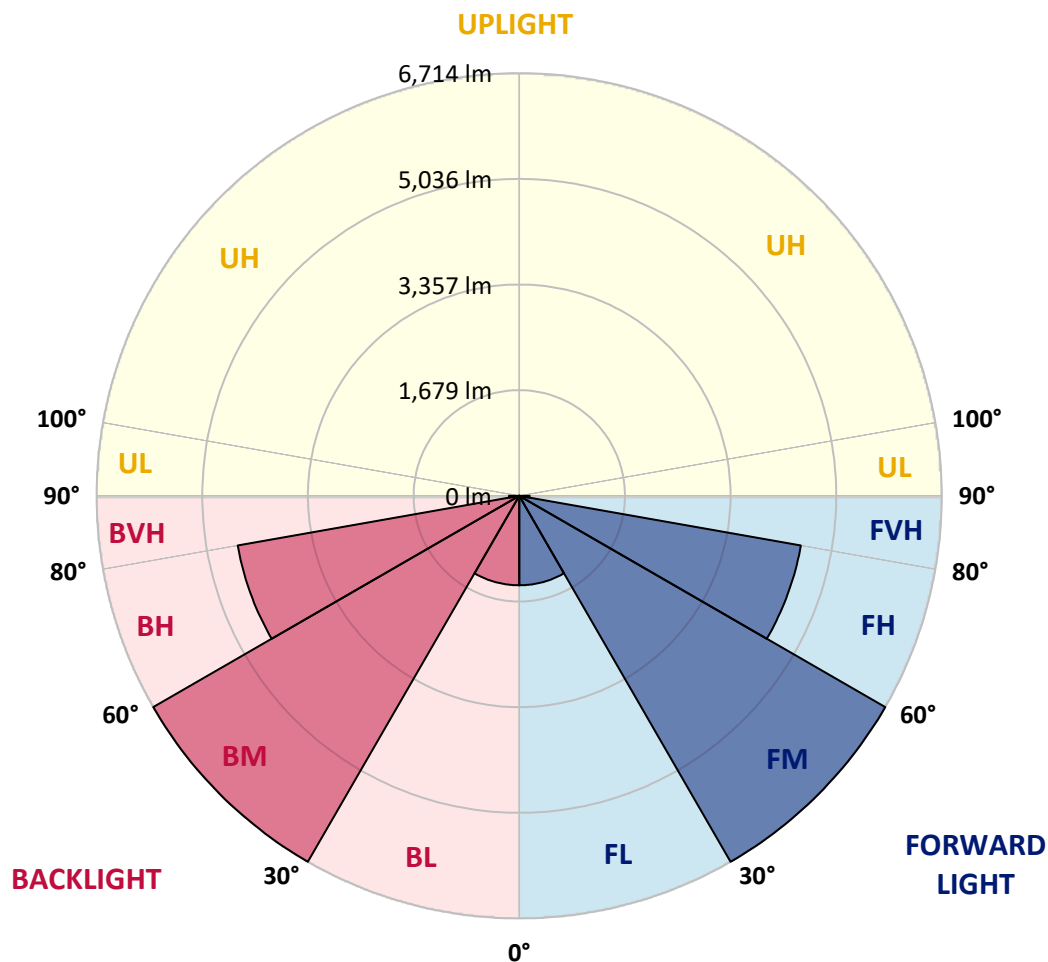
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1422.0	5.5			
FM	(30°-60°)	6714.2	26.1			
FH	(60°-80°)	4542.5	17.7			G2/5000
FVH	(80°-90°)	163.3	0.6			G2/225
BL	(0°-30°)	1422.0	5.5	B3/2500		
BM	(30°-60°)	6714.2	26.1	B4/8500		
BH	(60°-80°)	4542.5	17.7	B4/5000		G4/5000
BVH	(80°-90°)	163.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2670.5	2670.5	2670.5	2670.5	2670.5	2670.5	2670.5	2670.5	2670.5	2670.5	2670.5
2.5°	2651.6	2652.4	2656.8	2661.9	2666.2	2677.4	2680.0	2684.3	2686.0	2690.3	2690.3
5°	2628.3	2630.1	2640.4	2654.2	2669.7	2697.2	2717.0	2739.4	2750.6	2762.7	2761.8
7.5°	2625.8	2630.1	2644.7	2667.1	2692.9	2738.6	2779.9	2824.7	2854.8	2882.4	2880.7
10°	2652.4	2659.3	2680.0	2713.6	2752.3	2809.2	2870.3	2930.6	2983.1	3025.3	3027.1
12.5°	2692.9	2701.5	2734.3	2785.1	2843.6	2916.8	2989.2	3057.2	3129.5	3192.4	3197.6
15°	2746.3	2757.5	2806.6	2882.4	2971.9	3058.9	3136.4	3206.2	3289.7	3376.7	3385.3
17.5°	2825.5	2841.0	2905.6	3008.1	3126.1	3221.7	3302.6	3355.2	3424.9	3514.5	3530.9
20°	2946.1	2965.9	3047.7	3170.0	3313.8	3413.7	3475.7	3486.9	3521.4	3601.5	3620.4
22.5°	3102.8	3120.1	3211.4	3356.9	3517.9	3626.4	3659.2	3614.4	3610.9	3675.5	3693.6
25°	3277.7	3293.2	3399.1	3562.7	3735.8	3855.5	3854.7	3767.7	3707.4	3757.3	3776.3
27.5°	3474.0	3498.1	3599.7	3772.0	3957.1	4075.1	4068.2	3933.9	3819.4	3832.3	3848.6
30°	3699.6	3726.3	3825.4	4000.2	4185.4	4300.8	4292.1	4114.7	3942.5	3908.1	3920.1
32.5°	3979.5	4011.4	4105.3	4277.5	4441.1	4545.3	4520.4	4311.1	4090.6	4015.7	4026.9
35°	4316.3	4335.2	4434.2	4603.9	4736.5	4808.0	4755.5	4538.4	4278.4	4187.9	4187.9
37.5°	4657.3	4671.9	4783.0	4947.5	5075.8	5113.7	5011.2	4787.3	4523.8	4395.5	4398.1
40°	4984.5	5024.1	5149.0	5317.8	5444.4	5454.7	5318.7	5071.5	4796.8	4664.2	4679.7
42.5°	5326.4	5365.2	5514.2	5705.3	5817.3	5834.5	5675.2	5390.2	5105.1	4997.5	5014.7
45°	5631.3	5662.3	5834.5	6056.7	6196.2	6241.0	6052.4	5755.3	5438.4	5333.3	5337.6
47.5°	5844.0	5884.5	6073.9	6335.7	6539.0	6607.9	6422.7	6111.0	5766.5	5639.0	5650.2
50°	6036.9	6058.4	6250.5	6536.4	6794.7	6936.8	6778.4	6462.3	6098.0	5962.8	5974.9
52.5°	6144.5	6172.1	6358.1	6656.1	6961.8	7190.9	7094.4	6778.4	6418.4	6286.6	6301.3
55°	6069.6	6090.3	6313.3	6682.8	7065.2	7347.6	7362.3	7087.5	6732.7	6617.3	6658.7
57.5°	5728.6	5754.4	6026.6	6510.6	7078.1	7453.5	7563.8	7374.3	7026.4	6932.5	6956.6
60°	5195.5	5211.9	5502.1	6046.4	6826.6	7497.5	7692.1	7608.6	7314.0	7220.2	7252.9
62.5°	4245.6	4269.8	4616.8	5346.2	6295.3	7367.4	7816.1	7802.3	7581.9	7495.7	7525.0
65°	2902.2	2944.4	3328.5	4250.8	5476.3	6969.6	7928.9	8028.0	7818.7	7710.2	7748.9
67.5°	1752.5	1783.5	2061.7	2806.6	4190.5	6166.9	7812.7	8284.6	7985.8	7810.9	7842.8
68°	1566.5	1594.9	1827.4	2532.7	3876.2	5940.4	7706.7	8313.9	8003.8	7809.2	7837.6
70°	946.4	965.4	1121.3	1565.6	2584.4	4712.4	6984.2	8289.8	8119.2	7833.3	7849.7
72.5°	616.6	622.6	648.5	803.5	1320.2	2635.2	5242.0	7724.8	8292.3	7973.7	7971.1
75°	512.4	509.0	511.5	529.6	651.1	1155.7	3063.2	6102.3	7904.8	7752.4	7698.1
77.5°	433.2	430.6	429.7	430.6	435.8	558.0	1329.7	3801.3	6049.0	6857.6	6905.8
80°	350.5	347.1	358.3	353.1	337.6	347.1	557.2	1581.1	2851.4	3067.5	2874.6
82.5°	254.9	242.0	290.2	276.4	263.5	244.6	307.4	510.7	680.3	466.8	328.1
85°	196.3	182.6	220.5	211.9	180.8	124.9	182.6	249.7	275.6	157.6	124.0
87.5°	80.1	84.4	159.3	125.7	105.9	60.3	74.9	99.9	134.3	67.2	51.7
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)