

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: P317290

Luminaire Tested: **GAN-SA6C-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317290
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-SA6C-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34363 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 333
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

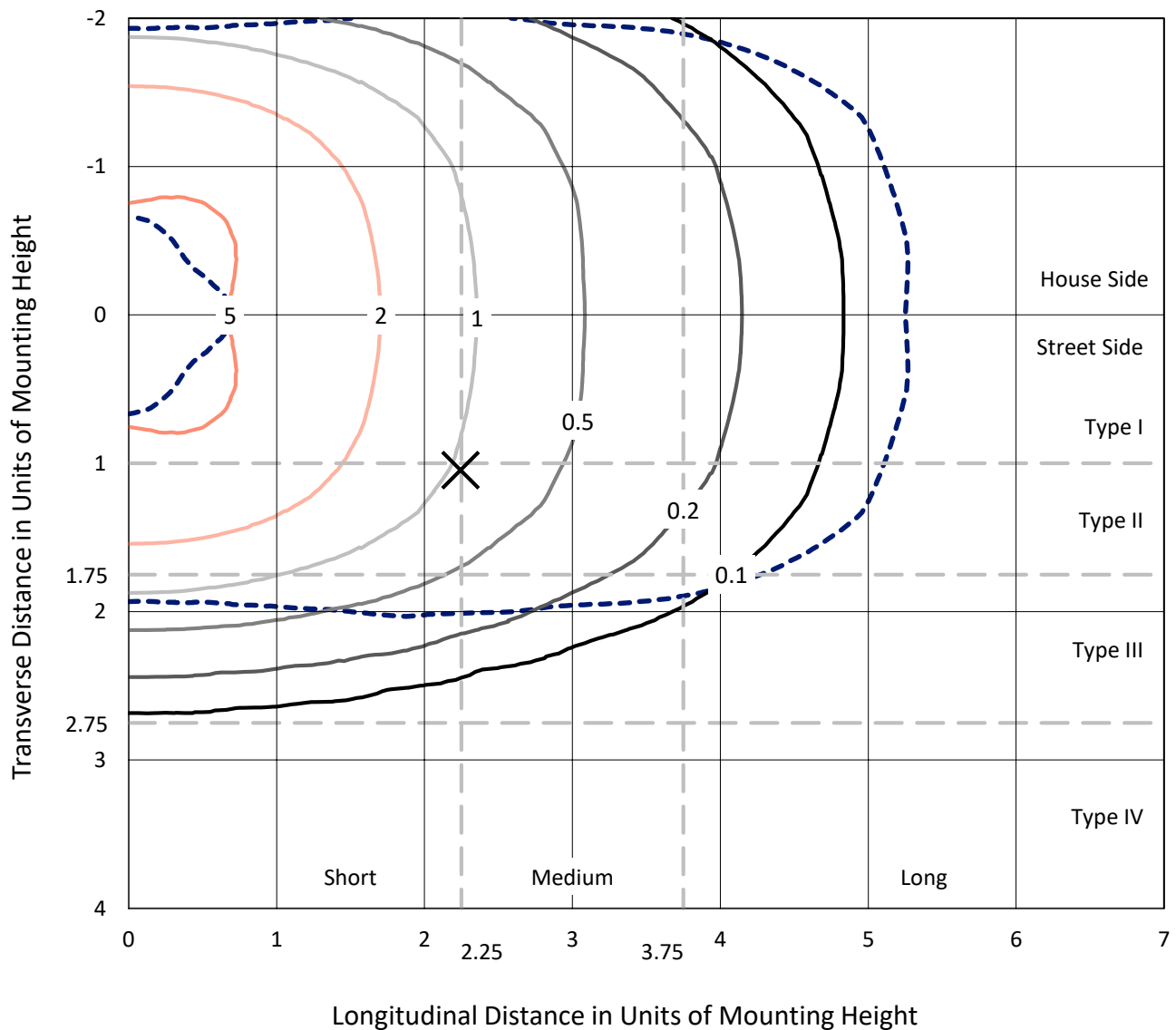


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Iso-Footcandle Lines of Horizontal Illumination

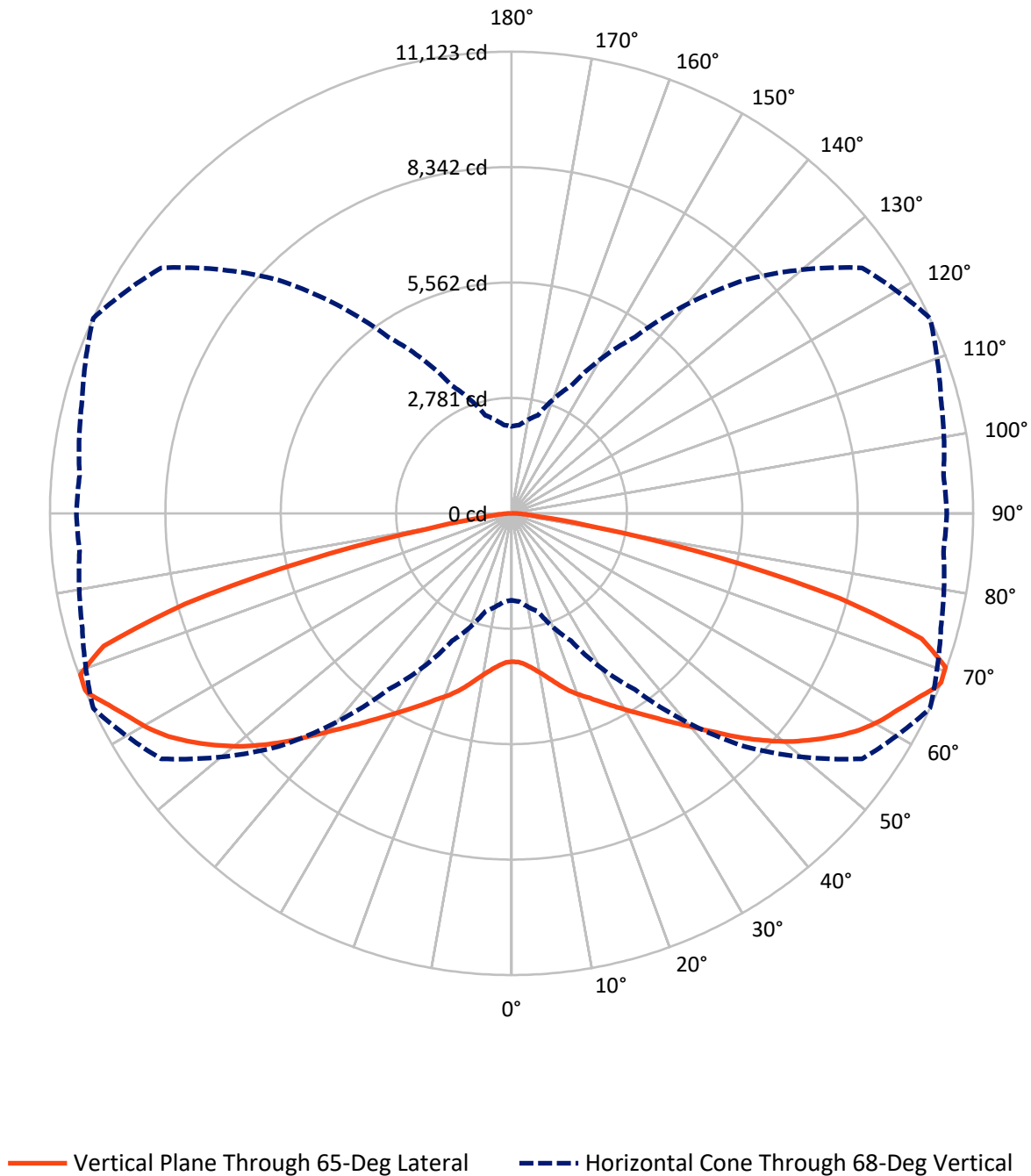
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	17181.5	0.0	17181.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17181.5	0.0	17181.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34363.0	0.0	34363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.8	1.0
10°-20°	1171.3	3.4
20°-30°	2283.8	6.6
30°-40°	3836.6	11.2
40°-50°	6045.1	17.6
50°-60°	8084.3	23.5
60°-70°	7859.0	22.9
70°-80°	4296.1	12.5
80°-90°	436.9	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°	34363.0	100.0
0°-180°	34363.0	100.0

Coefficient of Utilization



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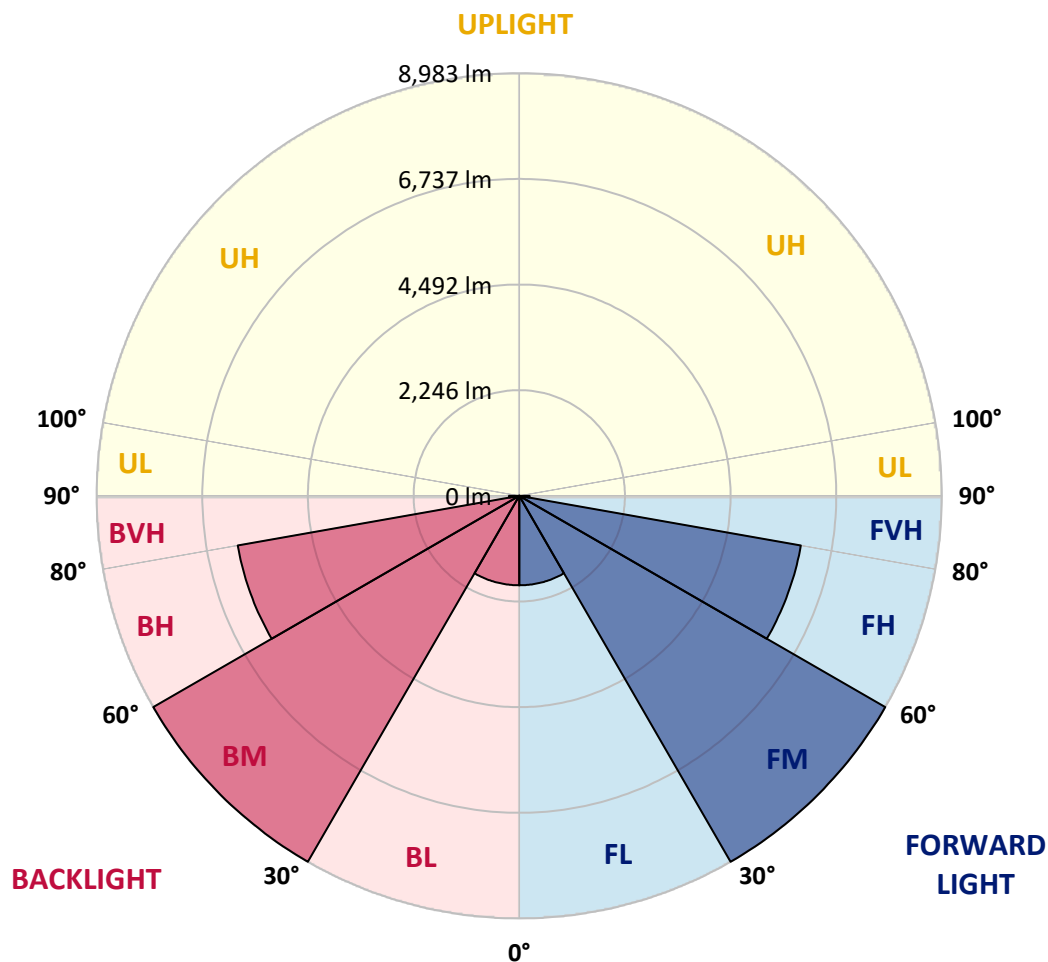
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1902.5	5.5			
FM	(30°-60°)	8983.0	26.1			
FH	(60°-80°)	6077.5	17.7			G3/7500
FVH	(80°-90°)	218.5	0.6			G2/225
BL	(0°-30°)	1902.5	5.5	B3/2500		
BM	(30°-60°)	8983.0	26.1	B5		
BH	(60°-80°)	6077.5	17.7	B5		G5
BVH	(80°-90°)	218.5	0.6			G2/225
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°	3572.9	3572.9	3572.9	3572.9	3572.9	3572.9	3572.9	3572.9	3572.9	3572.9	3572.9
2.5°	3547.6	3548.7	3554.5	3561.4	3567.2	3582.2	3585.6	3591.4	3593.7	3599.4	3599.4
5°	3516.5	3518.8	3532.6	3551.1	3571.8	3608.7	3635.2	3665.1	3680.1	3696.2	3695.1
7.5°	3513.0	3518.8	3538.4	3568.3	3602.9	3664.0	3719.3	3779.2	3819.5	3856.4	3854.1
10°	3548.7	3558.0	3585.6	3630.6	3682.4	3758.4	3840.3	3920.9	3991.2	4047.6	4050.0
12.5°	3602.9	3614.4	3658.2	3726.2	3804.5	3902.5	3999.3	4090.3	4187.1	4271.2	4278.1
15°	3674.3	3689.3	3755.0	3856.4	3976.2	4092.6	4196.3	4289.6	4401.4	4517.7	4529.3
17.5°	3780.3	3801.1	3887.5	4024.6	4182.5	4310.3	4418.7	4488.9	4582.3	4702.1	4724.0
20°	3941.6	3968.1	4077.6	4241.2	4433.6	4567.3	4650.2	4665.2	4711.3	4818.5	4843.8
22.5°	4151.3	4174.4	4296.5	4491.2	4706.7	4851.9	4895.7	4835.7	4831.1	4917.5	4941.7
25°	4385.2	4406.0	4547.7	4766.6	4998.2	5158.4	5157.2	5040.8	4960.2	5027.0	5052.4
27.5°	4647.9	4680.2	4816.2	5046.6	5294.3	5452.2	5442.9	5263.2	5110.0	5127.2	5149.1
30°	4949.8	4985.5	5118.0	5351.9	5599.6	5754.0	5742.5	5505.2	5274.7	5228.6	5244.8
32.5°	5324.3	5366.9	5492.5	5722.9	5941.8	6081.3	6047.8	5767.9	5472.9	5372.7	5387.6
35°	5774.8	5800.1	5932.6	6159.6	6337.0	6432.7	6362.4	6072.0	5724.1	5603.1	5603.1
37.5°	6231.0	6250.6	6399.3	6619.3	6791.0	6841.7	6704.6	6405.0	6052.5	5880.8	5884.2
40°	6668.9	6721.9	6888.9	7114.8	7284.1	7298.0	7115.9	6785.3	6417.7	6240.3	6261.0
42.5°	7126.3	7178.1	7377.5	7633.3	7783.0	7806.1	7592.9	7211.6	6830.2	6686.2	6709.2
45°	7534.2	7575.7	7806.1	8103.4	8290.0	8349.9	8097.6	7700.1	7276.1	7135.5	7141.3
47.5°	7818.8	7872.9	8126.4	8476.7	8748.6	8840.8	8593.0	8175.9	7715.1	7544.5	7559.5
50°	8076.9	8105.7	8362.6	8745.1	9090.8	9280.9	9068.9	8646.0	8158.7	7977.8	7993.9
52.5°	8220.9	8257.8	8506.6	8905.3	9314.3	9620.8	9491.7	9068.9	8587.3	8411.0	8430.6
55°	8120.6	8148.3	8446.7	8941.0	9452.6	9830.5	9850.1	9482.5	9007.8	8853.4	8908.7
57.5°	7664.4	7698.9	8063.0	8710.6	9469.9	9972.2	10119.7	9866.2	9400.7	9275.1	9307.4
60°	6951.2	6973.1	7361.3	8089.5	9133.4	10031.0	10291.4	10179.6	9785.6	9660.0	9703.8
62.5°	5680.3	5712.6	6176.9	7152.8	8422.5	9857.0	10457.3	10438.8	10143.9	10028.7	10067.8
65°	3882.9	3939.3	4453.2	5687.2	7326.8	9324.7	10608.2	10740.7	10460.7	10315.6	10367.4
67.5°	2344.7	2386.2	2758.3	3755.0	5606.6	8250.8	10452.7	11084.1	10684.3	10450.4	10493.0
68°	2095.8	2133.9	2444.9	3388.6	5186.0	7947.8	10311.0	11123.2	10708.5	10448.1	10486.1
70°	1266.3	1291.6	1500.2	2094.7	3457.7	6304.8	9344.3	11091.0	10862.9	10480.3	10502.2
72.5°	825.0	833.0	867.6	1075.0	1766.3	3525.7	7013.4	10335.2	11094.4	10668.1	10664.7
75°	685.6	680.9	684.4	708.6	871.1	1546.2	4098.3	8164.4	10576.0	10372.0	10299.4
77.5°	579.6	576.1	574.9	576.1	583.0	746.6	1779.0	5085.8	8093.0	9174.9	9239.4
80°	468.9	464.3	479.3	472.4	451.7	464.3	745.5	2115.4	3814.9	4104.1	3846.0
82.5°	341.0	323.8	388.3	369.9	352.6	327.2	411.3	683.2	910.2	624.5	439.0
85°	262.7	244.3	295.0	283.4	242.0	167.1	244.3	334.1	368.7	210.9	165.9
87.5°	107.2	112.9	213.2	168.2	141.7	80.7	100.2	133.7	179.7	89.9	69.1
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)