

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: P317080

Luminaire Tested: **GAN-SA6B-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317080  
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-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 31818 lumens  
Efficiency: N/A  
Efficacy: 127.8 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): 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

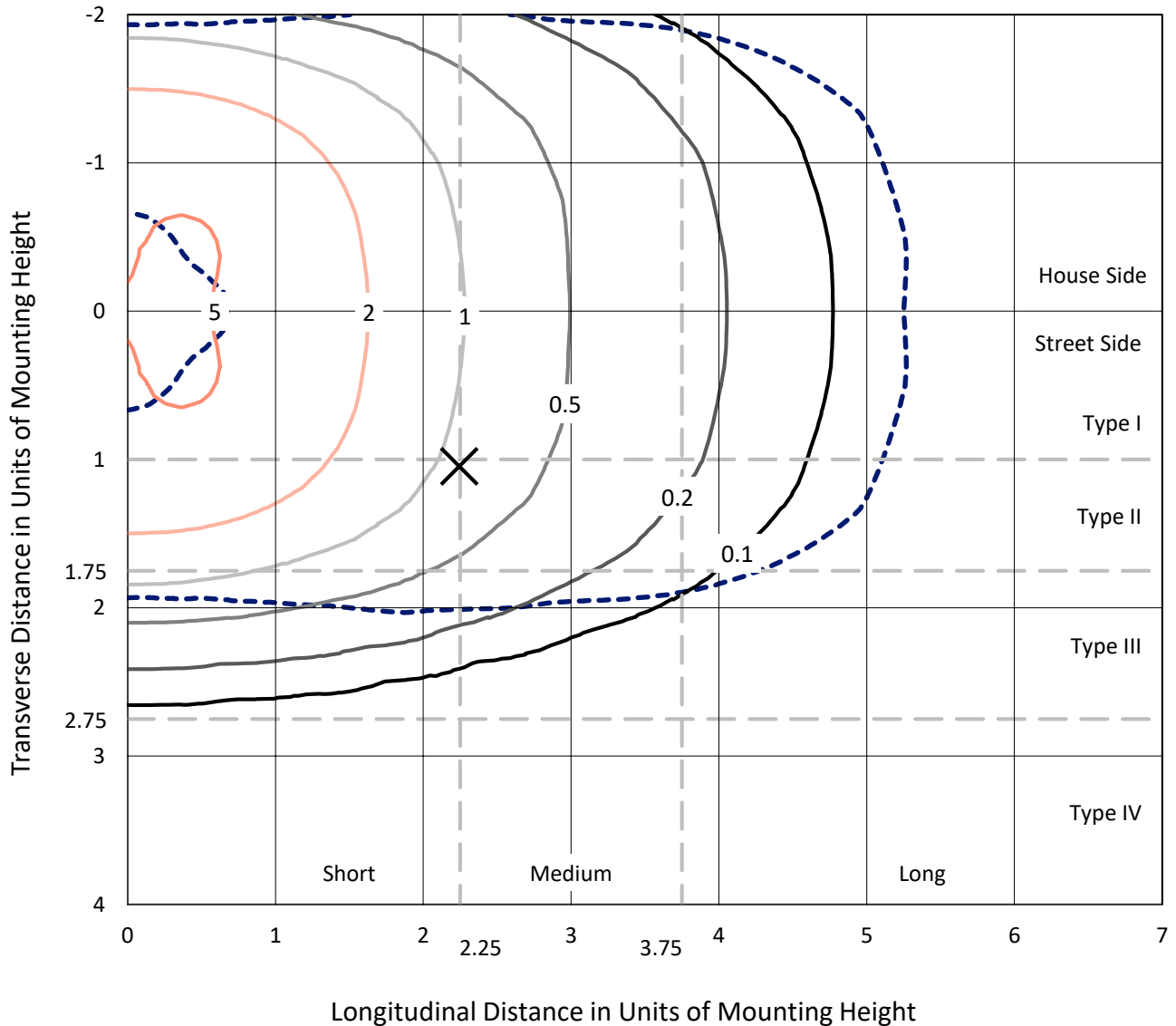




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### Iso-Footcandle Lines of Horizontal Illumination

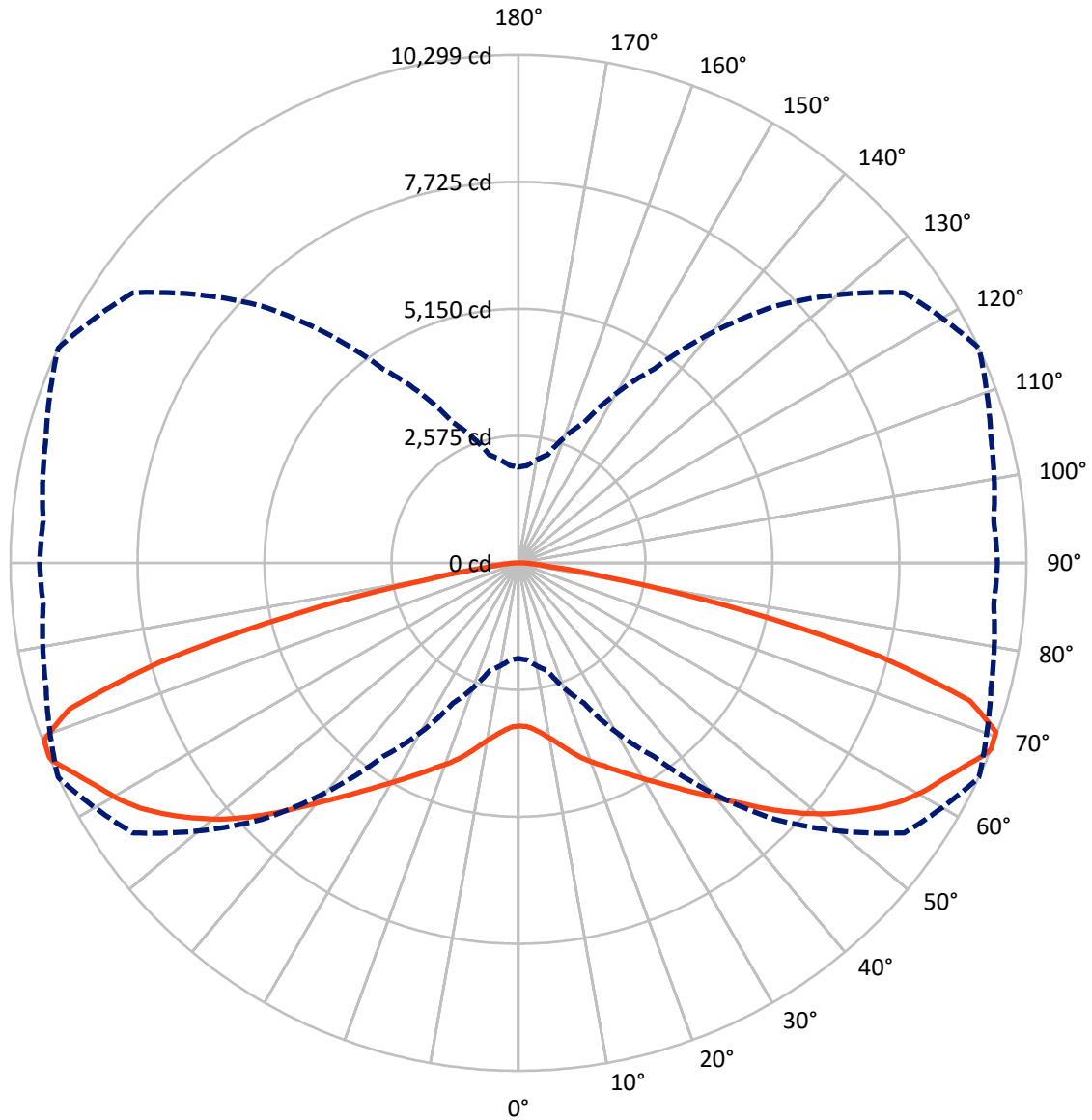
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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
<b>House Side</b>	Lumens	15909.0	0.0	15909.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15909.0	0.0	15909.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31818.0	0.0	31818.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.9	1.0
10°-20°	1084.6	3.4
20°-30°	2114.7	6.6
30°-40°	3552.5	11.2
40°-50°	5597.4	17.6
50°-60°	7485.6	23.5
60°-70°	7276.9	22.9
70°-80°	3977.9	12.5
80°-90°	404.6	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°	31818.0	100.0
0°-180°	31818.0	100.0

**Coefficient of Utilization**



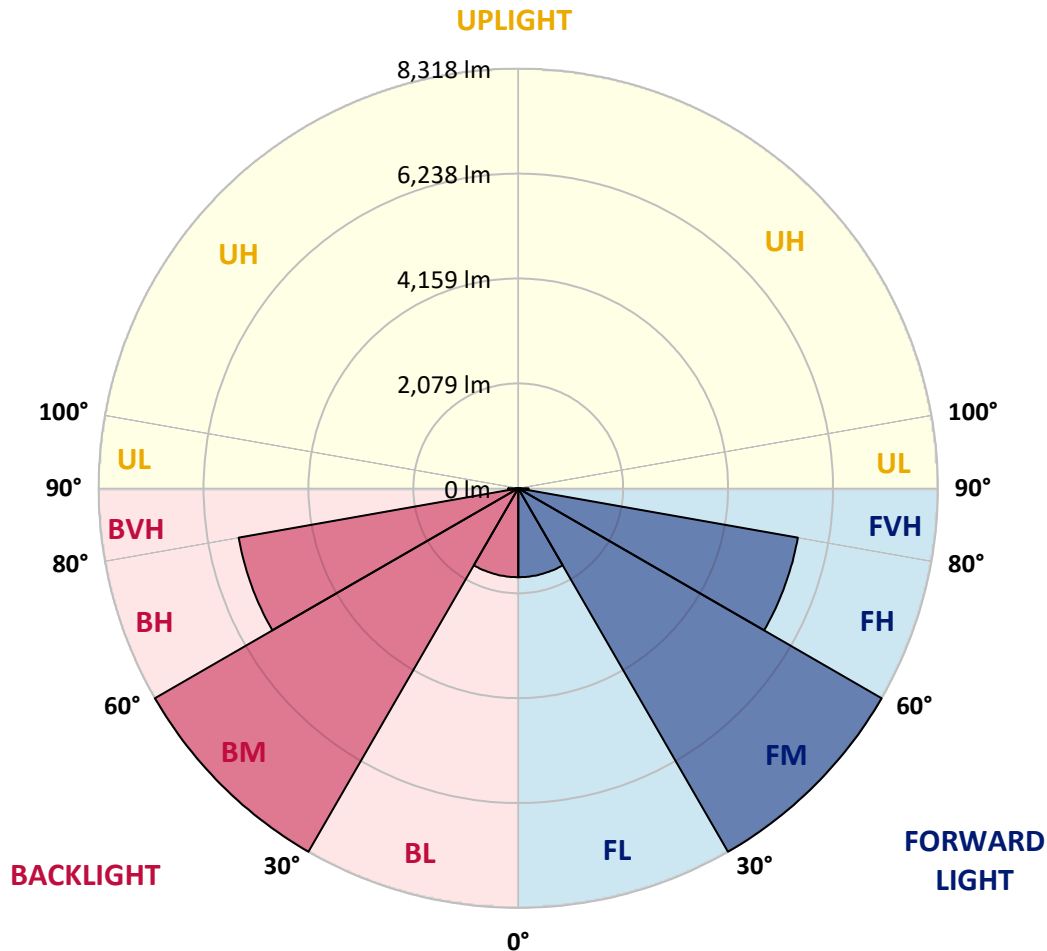
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1761.6	5.5			
FM (30°-60°)	8317.7	26.1			
FH (60°-80°)	5627.4	17.7			G3/7500
FVH (80°-90°)	202.3	0.6			G2/225
BL (0°-30°)	1761.6	5.5	B3/2500		
BM (30°-60°)	8317.7	26.1	B4/8500		
BH (60°-80°)	5627.4	17.7	B5		G5
BVH (80°-90°)	202.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	3308.3	3308.3	3308.3	3308.3	3308.3	3308.3	3308.3	3308.3	3308.3	3308.3	3308.3
2.5°	3284.9	3285.9	3291.3	3297.7	3303.0	3316.9	3320.1	3325.4	3327.5	3332.9	3332.9
5°	3256.0	3258.2	3271.0	3288.1	3307.3	3341.4	3365.9	3393.7	3407.5	3422.5	3421.4
7.5°	3252.8	3258.2	3276.3	3304.1	3336.1	3392.6	3443.8	3499.3	3536.6	3570.8	3568.6
10°	3285.9	3294.5	3320.1	3361.7	3409.7	3480.1	3555.8	3630.5	3695.6	3747.9	3750.0
12.5°	3336.1	3346.7	3387.3	3450.2	3522.8	3613.4	3703.1	3787.3	3877.0	3954.8	3961.2
15°	3402.2	3416.1	3476.9	3570.8	3681.7	3789.5	3885.5	3971.9	4075.4	4183.1	4193.8
17.5°	3500.4	3519.6	3599.6	3726.5	3872.7	3991.1	4091.4	4156.5	4242.9	4353.8	4374.1
20°	3649.7	3674.3	3775.6	3927.1	4105.3	4229.0	4305.8	4319.7	4362.4	4461.6	4485.1
22.5°	3843.9	3865.2	3978.3	4158.6	4358.1	4492.5	4533.1	4477.6	4473.3	4553.3	4575.7
25°	4060.5	4079.7	4210.9	4413.6	4628.0	4776.3	4775.3	4667.5	4592.8	4654.7	4678.2
27.5°	4303.7	4333.6	4459.5	4672.8	4902.2	5048.4	5039.8	4873.4	4731.5	4747.5	4767.8
30°	4583.2	4616.3	4739.0	4955.6	5184.9	5327.9	5317.2	5097.4	4884.1	4841.4	4856.3
32.5°	4929.9	4969.4	5085.7	5299.1	5501.8	5630.9	5599.9	5340.7	5067.6	4974.8	4988.6
35°	5347.1	5370.6	5493.2	5703.4	5867.7	5956.3	5891.2	5622.3	5300.1	5188.1	5188.1
37.5°	5769.6	5787.7	5925.3	6129.1	6288.1	6335.0	6208.0	5930.7	5604.2	5445.2	5448.4
40°	6175.0	6224.0	6378.7	6587.8	6744.7	6757.5	6588.9	6282.7	5942.4	5778.1	5797.3
42.5°	6598.5	6646.5	6831.1	7067.9	7206.6	7228.0	7030.6	6677.5	6324.3	6191.0	6212.3
45°	6976.2	7014.6	7228.0	7503.2	7676.0	7731.5	7497.9	7129.8	6737.2	6607.0	6612.4
47.5°	7239.7	7289.8	7524.5	7848.9	8100.6	8186.0	7956.6	7570.4	7143.7	6985.8	6999.6
50°	7478.7	7505.3	7743.2	8097.4	8417.5	8593.5	8397.2	8005.7	7554.4	7386.9	7401.9
52.5°	7612.0	7646.2	7876.6	8245.7	8624.5	8908.3	8788.8	8397.2	7951.3	7788.1	7806.2
55°	7519.2	7544.8	7821.1	8278.8	8752.5	9102.4	9120.6	8780.2	8340.7	8197.7	8248.9
57.5°	7096.7	7128.7	7465.9	8065.4	8768.5	9233.6	9370.2	9135.5	8704.5	8588.2	8618.1
60°	6436.3	6456.6	6816.1	7490.4	8457.0	9288.1	9529.2	9425.7	9060.8	8944.5	8985.1
62.5°	5259.6	5289.5	5719.4	6623.0	7798.7	9127.0	9682.8	9665.7	9392.6	9285.9	9322.2
65°	3595.3	3647.6	4123.4	5266.0	6784.1	8634.1	9822.6	9945.2	9686.0	9551.6	9599.6
67.5°	2171.1	2209.5	2554.1	3476.9	5191.3	7639.8	9678.5	10263.2	9893.0	9676.4	9715.9
68°	1940.6	1975.8	2263.9	3137.6	4801.9	7359.2	9547.3	10299.4	9915.4	9674.3	9709.5
70°	1172.5	1195.9	1389.0	1939.5	3201.6	5837.8	8652.2	10269.6	10058.3	9704.1	9724.4
72.5°	763.9	771.3	803.3	995.4	1635.5	3264.6	6494.0	9569.7	10272.8	9878.0	9874.8
75°	634.8	630.5	633.7	656.1	806.5	1431.7	3794.8	7559.7	9792.7	9603.8	9536.6
77.5°	536.6	533.4	532.4	533.4	539.8	691.3	1647.2	4709.1	7493.6	8495.4	8555.1
80°	434.2	429.9	443.8	437.4	418.2	429.9	690.3	1958.7	3532.4	3800.1	3561.2
82.5°	315.8	299.8	359.5	342.5	326.5	303.0	380.9	632.6	842.8	578.2	406.5
85°	243.2	226.2	273.1	262.4	224.0	154.7	226.2	309.4	341.4	195.2	153.6
87.5°	99.2	104.6	197.4	155.8	131.2	74.7	92.8	123.8	166.4	83.2	64.0
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)