

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: P383219

Luminaire Tested: **GAN-SA5C-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383219  
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-SA5C-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33663.3 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

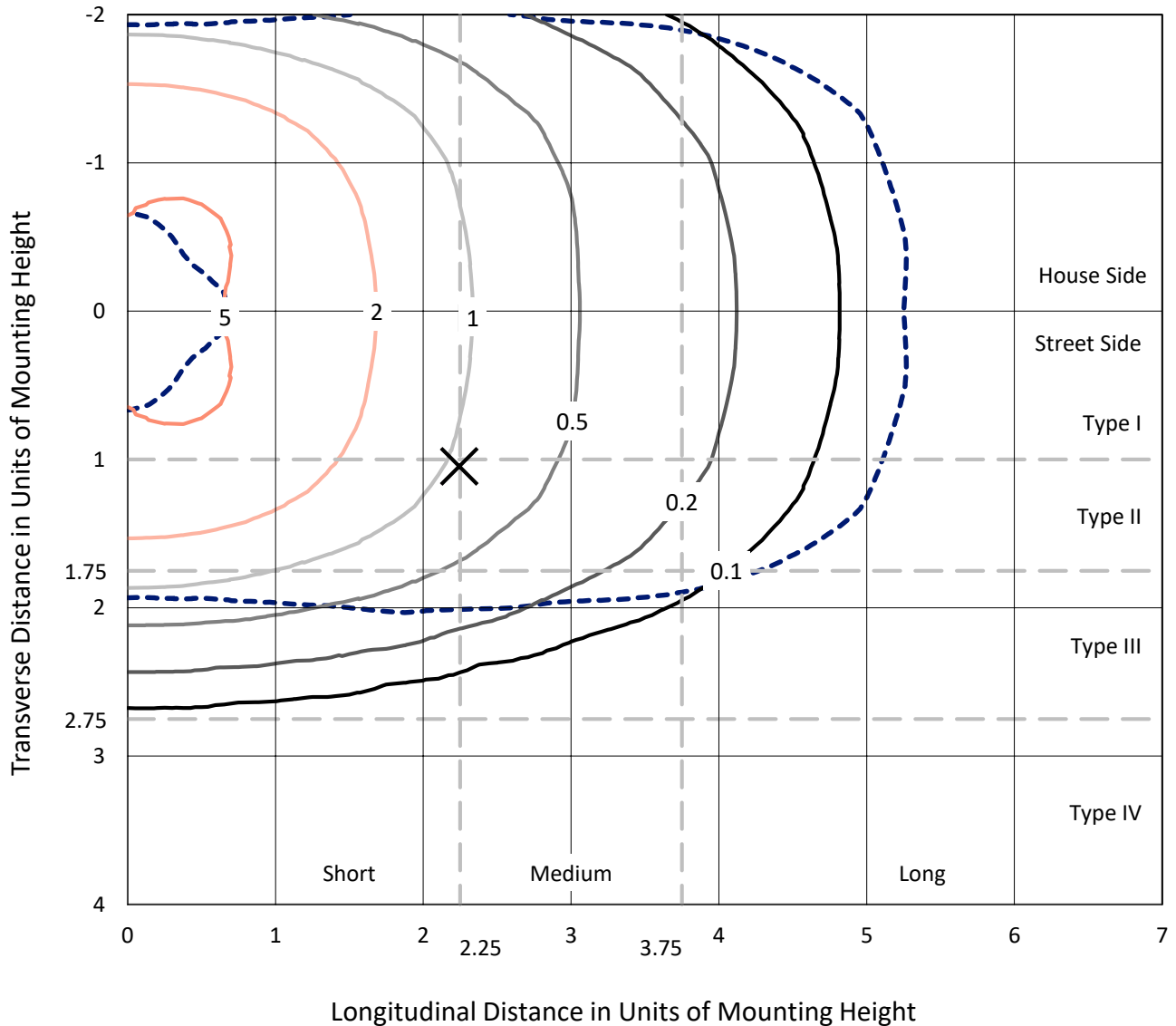
Input Watts (W): 279  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

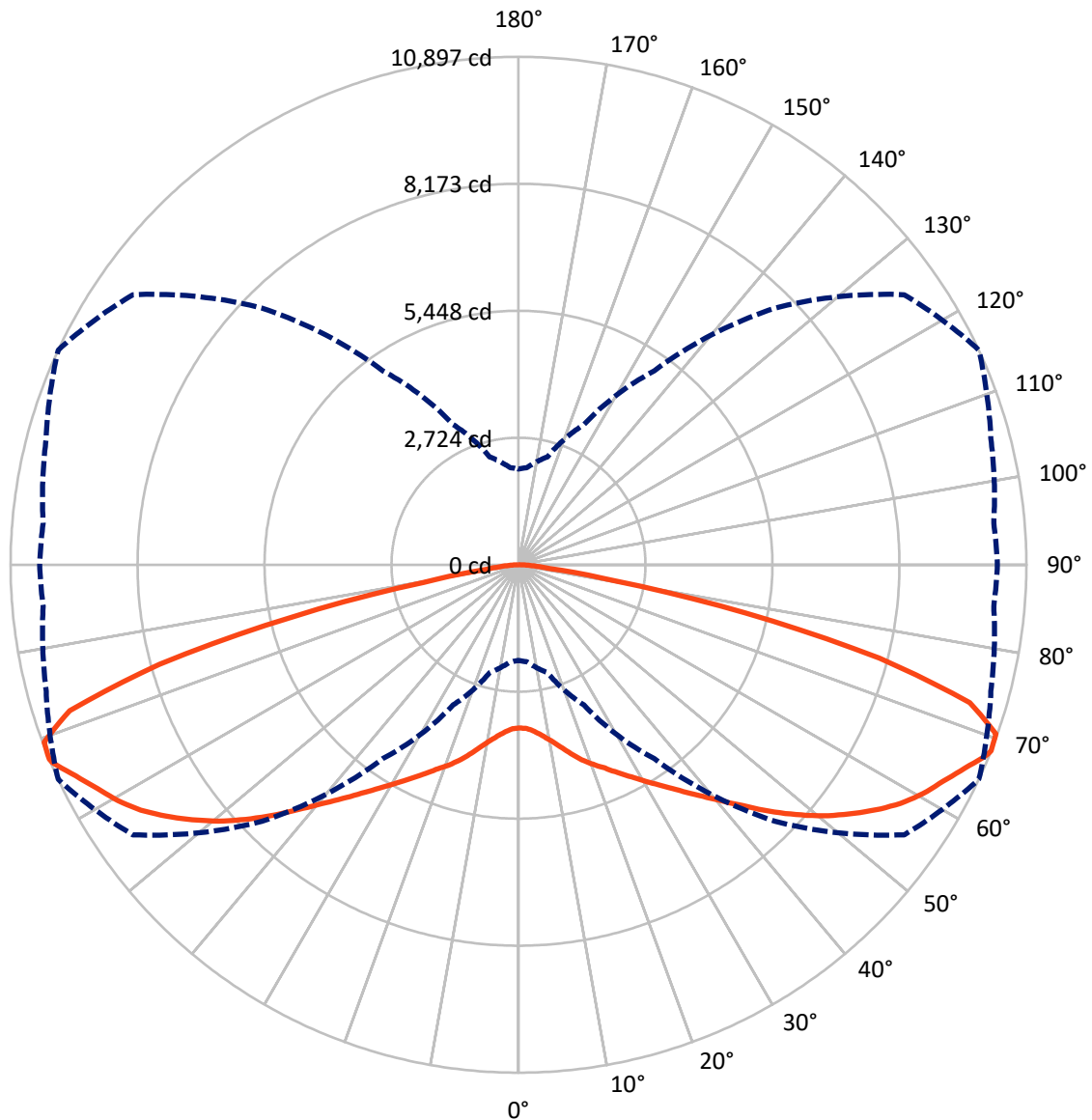
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	16831.7	0.0	16831.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16831.7	0.0	16831.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33663.3	0.0	33663.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.7	1.0
10°-20°	1147.5	3.4
20°-30°	2237.3	6.6
30°-40°	3758.5	11.2
40°-50°	5922.0	17.6
50°-60°	7919.7	23.5
60°-70°	7699.0	22.9
70°-80°	4208.6	12.5
80°-90°	428.0	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°	33663.3	100.0
0°-180°	33663.3	100.0

**Coefficient of Utilization**

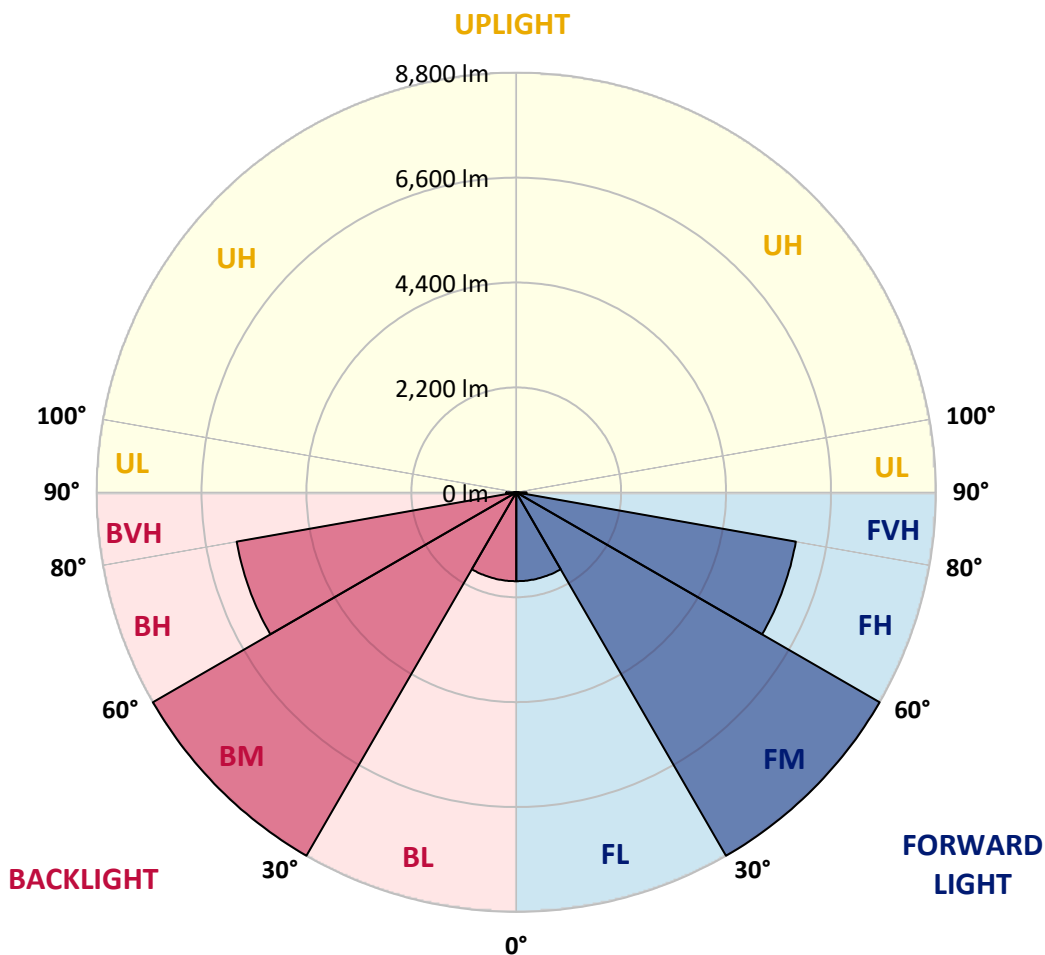


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1863.7	5.5			
FM (30°-60°)	8800.1	26.1			
FH (60°-80°)	5953.8	17.7			G3/7500
FVH (80°-90°)	214.0	0.6			G2/225
BL (0°-30°)	1863.7	5.5	B3/2500		
BM (30°-60°)	8800.1	26.1	B5		
BH (60°-80°)	5953.8	17.7	B5		G5
BVH (80°-90°)	214.0	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°	3500.2	3500.2	3500.2	3500.2	3500.2	3500.2	3500.2	3500.2	3500.2	3500.2	3500.2
2.5°	3475.3	3476.5	3482.1	3488.9	3494.5	3509.2	3512.6	3518.3	3520.5	3526.2	3526.2
5°	3444.9	3447.1	3460.7	3478.8	3499.1	3535.2	3561.1	3590.5	3605.2	3620.9	3619.8
7.5°	3441.5	3447.1	3466.3	3495.7	3529.5	3589.3	3643.6	3702.2	3741.7	3777.9	3775.6
10°	3476.5	3485.5	3512.6	3556.6	3607.4	3681.9	3762.1	3841.1	3909.9	3965.2	3967.5
12.5°	3529.5	3540.8	3583.8	3650.4	3727.0	3823.0	3917.8	4007.0	4101.8	4184.2	4190.9
15°	3599.5	3614.2	3678.5	3777.9	3895.3	4009.3	4110.8	4202.3	4311.8	4425.8	4437.1
17.5°	3703.4	3723.7	3808.4	3942.7	4097.3	4222.6	4328.7	4397.6	4488.9	4606.3	4627.8
20°	3861.4	3887.3	3994.6	4154.9	4343.3	4474.3	4555.5	4570.3	4615.4	4720.3	4745.2
22.5°	4066.9	4089.4	4209.0	4399.8	4610.9	4753.1	4796.0	4737.3	4732.7	4817.4	4841.2
25°	4295.9	4316.2	4455.1	4669.6	4896.4	5053.4	5052.2	4938.2	4859.2	4924.6	4949.5
27.5°	4553.3	4584.9	4718.1	4943.8	5186.5	5341.1	5332.1	5156.0	5006.0	5022.8	5044.3
30°	4849.0	4884.0	5013.9	5242.9	5485.6	5636.9	5625.6	5393.1	5167.3	5122.2	5138.0
32.5°	5215.8	5257.7	5380.6	5606.4	5820.9	5957.4	5924.7	5650.4	5361.4	5263.2	5278.0
35°	5657.2	5682.1	5811.8	6034.2	6208.0	6301.7	6232.9	5948.4	5607.5	5489.1	5489.1
37.5°	6104.2	6123.3	6268.9	6484.6	6652.7	6702.4	6568.1	6274.6	5929.2	5761.1	5764.4
40°	6533.1	6585.0	6748.7	6969.9	7135.8	7149.3	6971.1	6647.1	6287.0	6113.2	6133.5
42.5°	6981.2	7032.0	7227.2	7477.8	7624.6	7647.2	7438.3	7064.8	6691.1	6550.0	6572.6
45°	7380.7	7421.4	7647.2	7938.4	8121.2	8179.9	7932.7	7543.3	7127.9	6990.2	6995.8
47.5°	7659.6	7712.7	7960.9	8304.1	8570.4	8660.8	8418.1	8009.4	7558.0	7390.9	7405.6
50°	7912.4	7940.6	8192.3	8567.1	8905.7	9091.9	8884.3	8470.0	7992.6	7815.3	7831.1
52.5°	8053.5	8089.7	8333.4	8723.9	9124.7	9424.9	9298.5	8884.3	8412.4	8239.7	8258.9
55°	7955.3	7982.4	8274.8	8759.0	9260.1	9630.3	9649.5	9289.5	8824.5	8673.2	8727.4
57.5°	7508.3	7542.2	7898.9	8533.2	9277.0	9769.1	9913.6	9665.4	9209.3	9086.3	9117.9
60°	6809.6	6831.0	7211.5	7924.9	8947.4	9826.7	10081.9	9972.3	9586.3	9463.3	9506.2
62.5°	5564.6	5596.3	6051.1	7007.2	8251.0	9656.3	10244.3	10226.3	9937.4	9824.5	9862.9
65°	3803.8	3859.1	4362.5	5571.4	7177.6	9134.8	10392.3	10522.0	10247.8	10105.5	10156.3
67.5°	2297.0	2337.6	2702.1	3678.5	5492.4	8082.9	10239.9	10858.4	10466.7	10237.6	10279.3
68°	2053.1	2090.4	2395.2	3319.6	5080.4	7786.0	10101.1	10896.8	10490.4	10235.3	10272.5
70°	1240.4	1265.3	1469.6	2052.0	3387.3	6176.4	9154.0	10865.2	10641.7	10267.0	10288.4
72.5°	808.2	816.0	849.9	1053.1	1730.3	3453.9	6870.6	10124.7	10868.6	10450.9	10447.5
75°	671.6	667.1	670.4	694.2	853.3	1514.8	4014.9	7998.2	10360.6	10160.9	10089.7
77.5°	567.8	564.3	563.2	564.3	571.1	731.5	1742.7	4982.2	7928.2	8988.1	9051.3
80°	459.4	454.9	469.6	462.8	442.5	454.9	730.3	2072.3	3737.2	4020.6	3767.7
82.5°	334.1	317.2	380.4	362.3	345.4	320.5	403.0	669.3	891.7	611.7	430.0
85°	257.4	239.3	289.0	277.7	237.1	163.7	239.3	327.3	361.2	206.5	162.6
87.5°	105.0	110.6	208.9	164.8	138.8	79.0	98.2	131.0	176.1	88.0	67.7
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)