

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: P317071

Luminaire Tested: **GAN-SA7A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317071
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-SA7A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30685 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

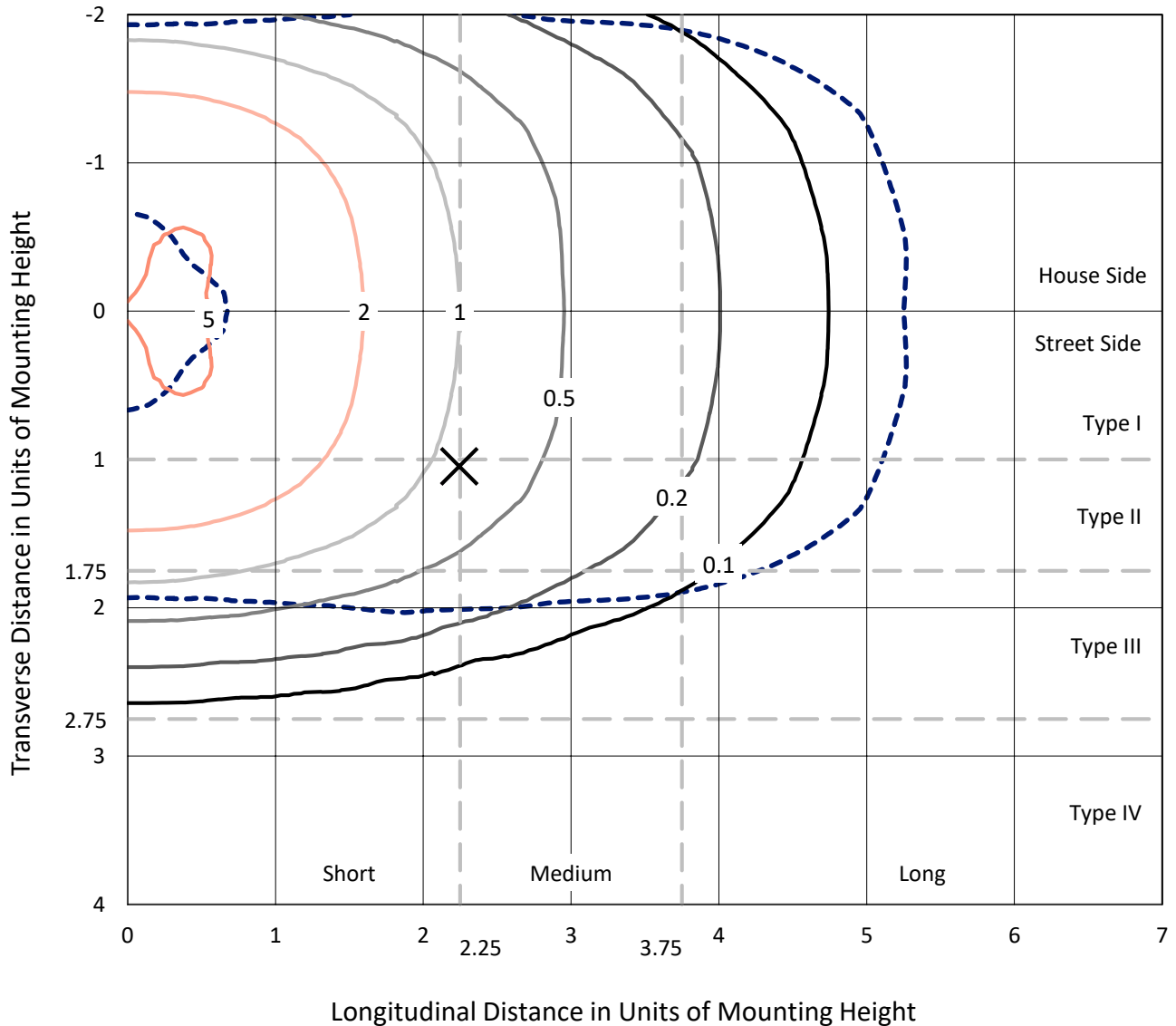
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

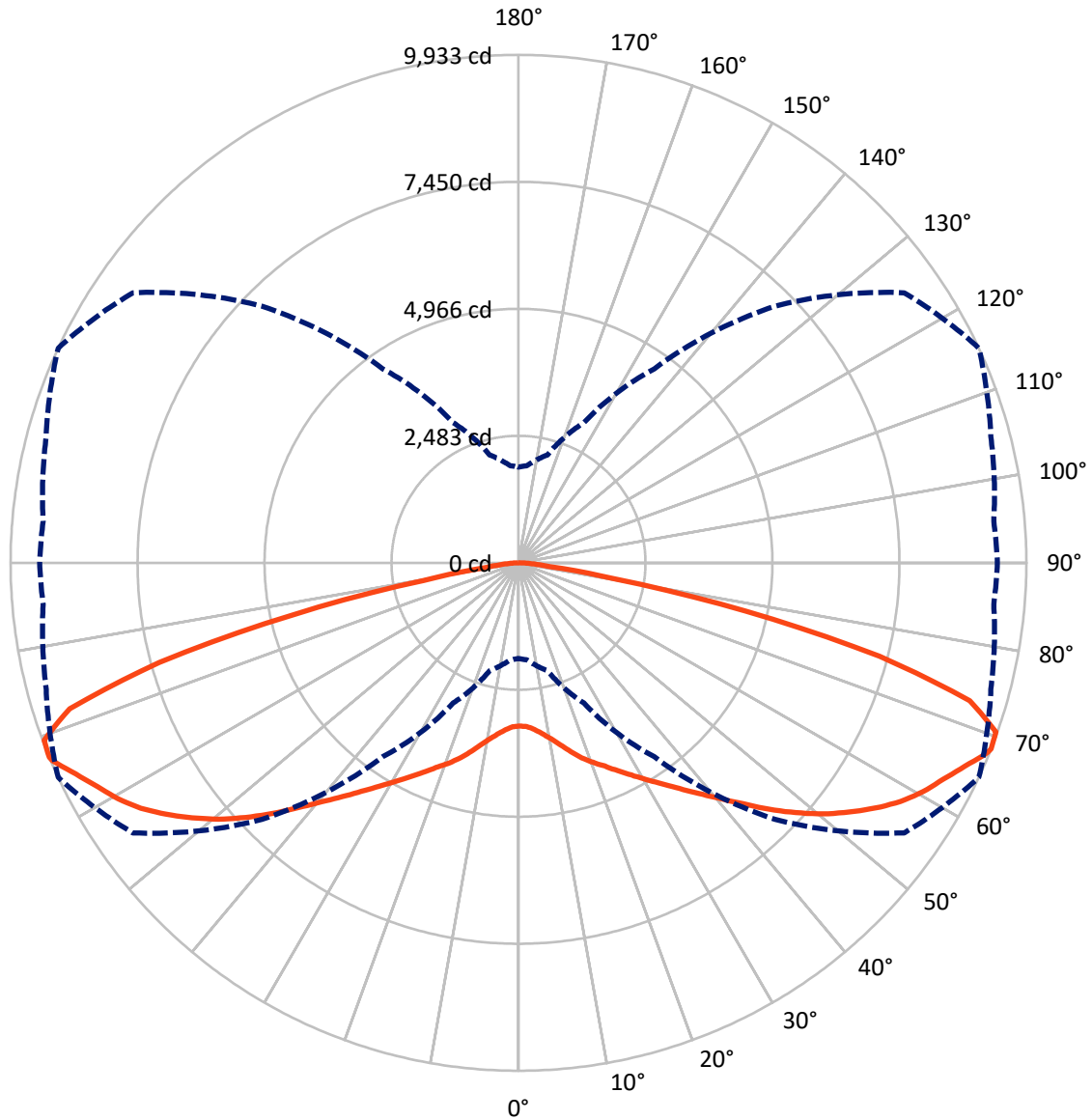
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
House Side	Lumens	15342.5	0.0	15342.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15342.5	0.0	15342.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30685.0	0.0	30685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.4	1.0
10°-20°	1046.0	3.4
20°-30°	2039.4	6.6
30°-40°	3426.0	11.2
40°-50°	5398.1	17.6
50°-60°	7219.0	23.5
60°-70°	7017.8	22.9
70°-80°	3836.3	12.5
80°-90°	390.2	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°	30685.0	100.0
0°-180°	30685.0	100.0

Coefficient of Utilization



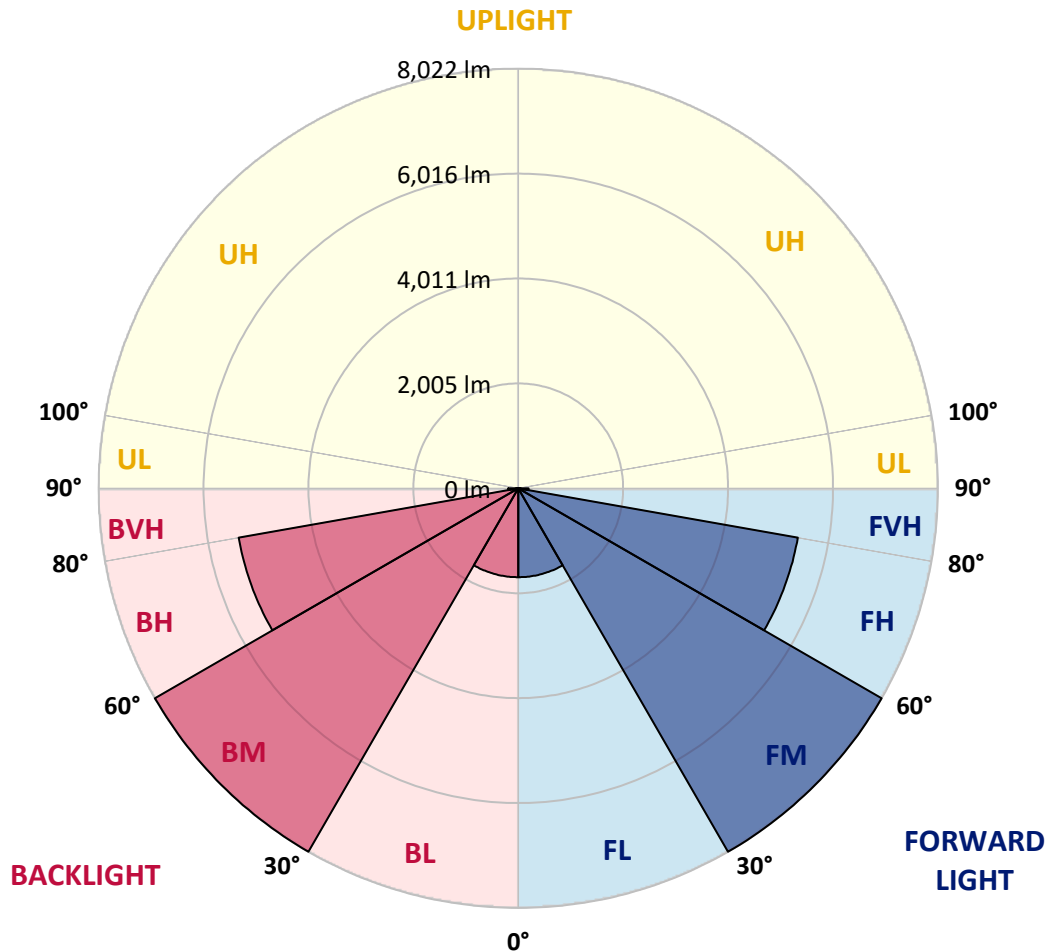
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1698.8	5.5			
FM (30°-60°)	8021.5	26.1			
FH (60°-80°)	5427.0	17.7			G3/7500
FVH (80°-90°)	195.1	0.6			G2/225
BL (0°-30°)	1698.8	5.5	B3/2500		
BM (30°-60°)	8021.5	26.1	B4/8500		
BH (60°-80°)	5427.0	17.7	B5		G5
BVH (80°-90°)	195.1	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°	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5
2.5°	3167.9	3168.9	3174.1	3180.2	3185.4	3198.7	3201.8	3207.0	3209.0	3214.2	3214.2
5°	3140.1	3142.2	3154.5	3171.0	3189.5	3222.4	3246.1	3272.8	3286.2	3300.6	3299.6
7.5°	3137.0	3142.2	3159.7	3186.4	3217.3	3271.8	3321.2	3374.7	3410.7	3443.6	3441.6
10°	3168.9	3177.1	3201.8	3242.0	3288.3	3356.2	3429.2	3501.2	3564.0	3614.4	3616.5
12.5°	3217.3	3227.6	3266.7	3327.4	3397.3	3484.8	3571.2	3652.5	3738.9	3814.0	3820.2
15°	3281.1	3294.4	3353.1	3443.6	3550.6	3654.5	3747.1	3830.5	3930.3	4034.2	4044.5
17.5°	3375.7	3394.2	3471.4	3593.8	3734.8	3849.0	3945.7	4008.5	4091.8	4198.8	4218.4
20°	3519.8	3543.4	3641.2	3787.3	3959.1	4078.4	4152.5	4165.9	4207.0	4302.7	4325.4
22.5°	3707.0	3727.6	3836.6	4010.5	4202.9	4332.6	4371.7	4318.2	4314.0	4391.2	4412.8
25°	3915.9	3934.4	4060.9	4256.4	4463.2	4606.2	4605.2	4501.3	4429.3	4488.9	4511.6
27.5°	4150.5	4179.3	4300.7	4506.4	4727.6	4868.6	4860.4	4699.9	4563.0	4578.5	4598.0
30°	4420.0	4451.9	4570.2	4779.1	5000.3	5138.2	5127.9	4915.9	4710.2	4669.0	4683.4
32.5°	4754.4	4792.5	4904.6	5110.4	5305.9	5430.4	5400.5	5150.5	4887.1	4797.6	4811.0
35°	5156.7	5179.3	5297.6	5500.3	5658.8	5744.2	5681.4	5422.1	5111.4	5003.4	5003.4
37.5°	5564.1	5581.6	5714.3	5910.8	6064.1	6109.4	5987.0	5719.5	5404.6	5251.3	5254.4
40°	5955.1	6002.4	6151.6	6353.3	6504.5	6516.8	6354.3	6059.0	5730.8	5572.3	5590.9
42.5°	6363.5	6409.8	6587.8	6816.2	6950.0	6970.6	6780.2	6439.7	6099.1	5970.5	5991.1
45°	6727.8	6764.8	6970.6	7236.0	7402.7	7456.2	7230.9	6875.9	6497.3	6371.8	6376.9
47.5°	6981.9	7030.3	7256.6	7569.4	7812.2	7894.5	7673.3	7300.8	6889.3	6737.0	6750.4
50°	7212.4	7238.1	7467.5	7809.1	8117.8	8287.5	8098.2	7720.6	7285.4	7123.9	7138.3
52.5°	7341.0	7373.9	7596.1	7952.1	8317.4	8591.0	8475.8	8098.2	7668.1	7510.7	7528.2
55°	7251.5	7276.2	7542.6	7984.0	8440.8	8778.3	8795.8	8467.6	8043.7	7905.8	7955.2
57.5°	6844.0	6874.9	7200.0	7778.2	8456.3	8904.8	9036.5	8810.2	8394.5	8282.4	8311.2
60°	6207.2	6226.7	6573.4	7223.7	8155.8	8957.3	9189.8	9090.0	8738.2	8626.0	8665.1
62.5°	5072.3	5101.1	5515.8	6387.2	7521.0	8802.0	9338.0	9321.5	9058.1	8955.3	8990.2
65°	3467.3	3517.7	3976.6	5078.5	6542.6	8326.6	9472.8	9591.1	9341.1	9211.5	9257.7
67.5°	2093.7	2130.8	2463.1	3353.1	5006.5	7367.7	9333.9	9897.7	9540.7	9331.8	9369.9
68°	1871.5	1905.5	2183.3	3025.9	4630.9	7097.1	9207.3	9932.7	9562.3	9329.8	9363.7
70°	1130.7	1153.4	1339.6	1870.5	3087.6	5630.0	8344.1	9903.9	9700.2	9358.6	9378.1
72.5°	736.7	743.9	774.7	959.9	1577.3	3148.3	6262.7	9228.9	9907.0	9526.3	9523.2
75°	612.2	608.1	611.1	632.8	777.8	1380.7	3659.7	7290.6	9444.0	9261.9	9197.0
77.5°	517.5	514.4	513.4	514.4	520.6	666.7	1588.6	4541.4	7226.8	8192.9	8250.5
80°	418.7	414.6	428.0	421.8	403.3	414.6	665.7	1889.0	3406.6	3664.8	3434.4
82.5°	304.5	289.1	346.7	330.3	314.8	292.2	367.3	610.1	812.8	557.6	392.0
85°	234.6	218.1	263.4	253.1	216.1	149.2	218.1	298.4	329.2	188.3	148.2
87.5°	95.7	100.8	190.3	150.2	126.6	72.0	89.5	119.3	160.5	80.3	61.7
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)