

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: P317081

Luminaire Tested: **GAN-SA7B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317081
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-SA7B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 37627 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

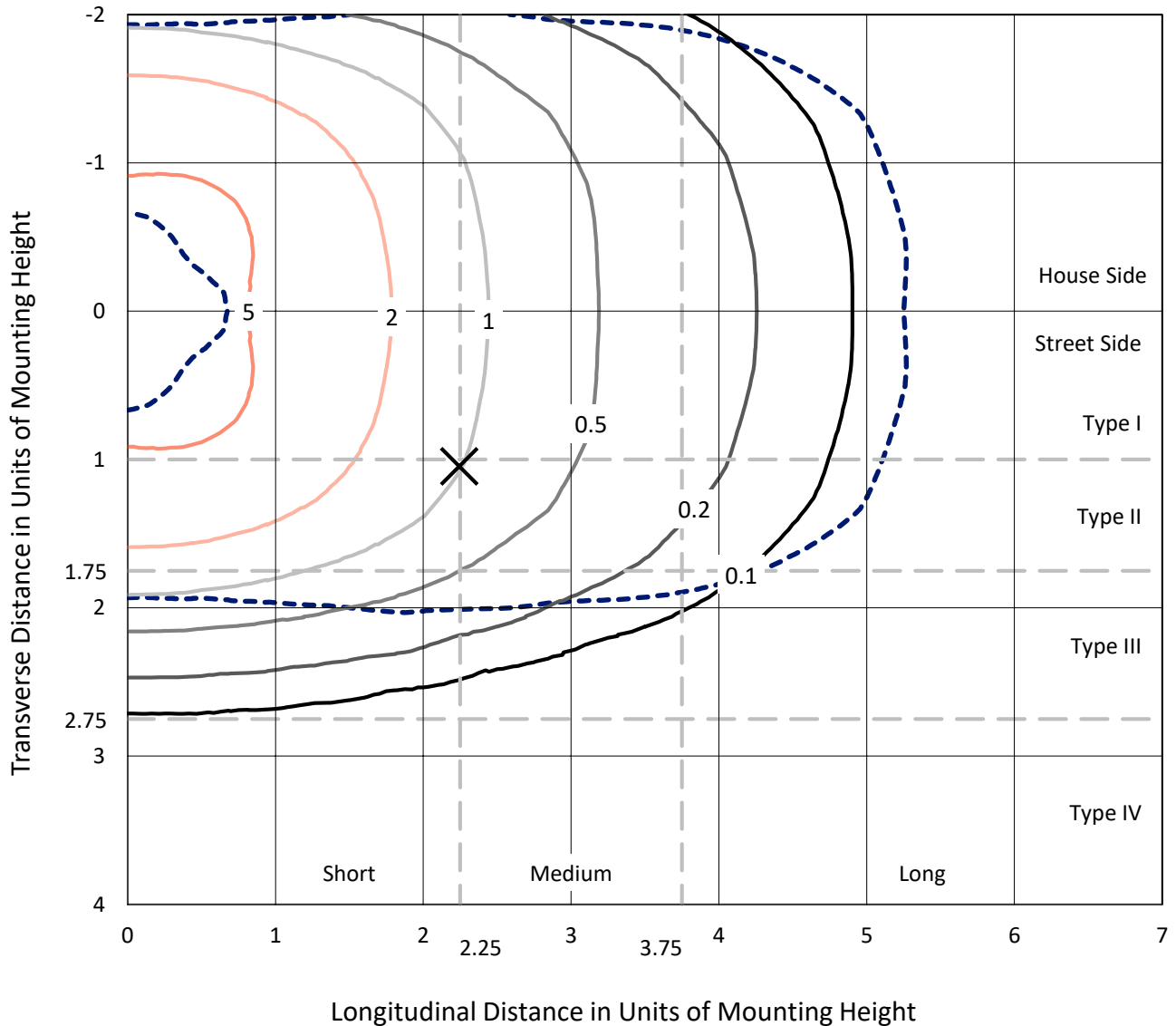
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

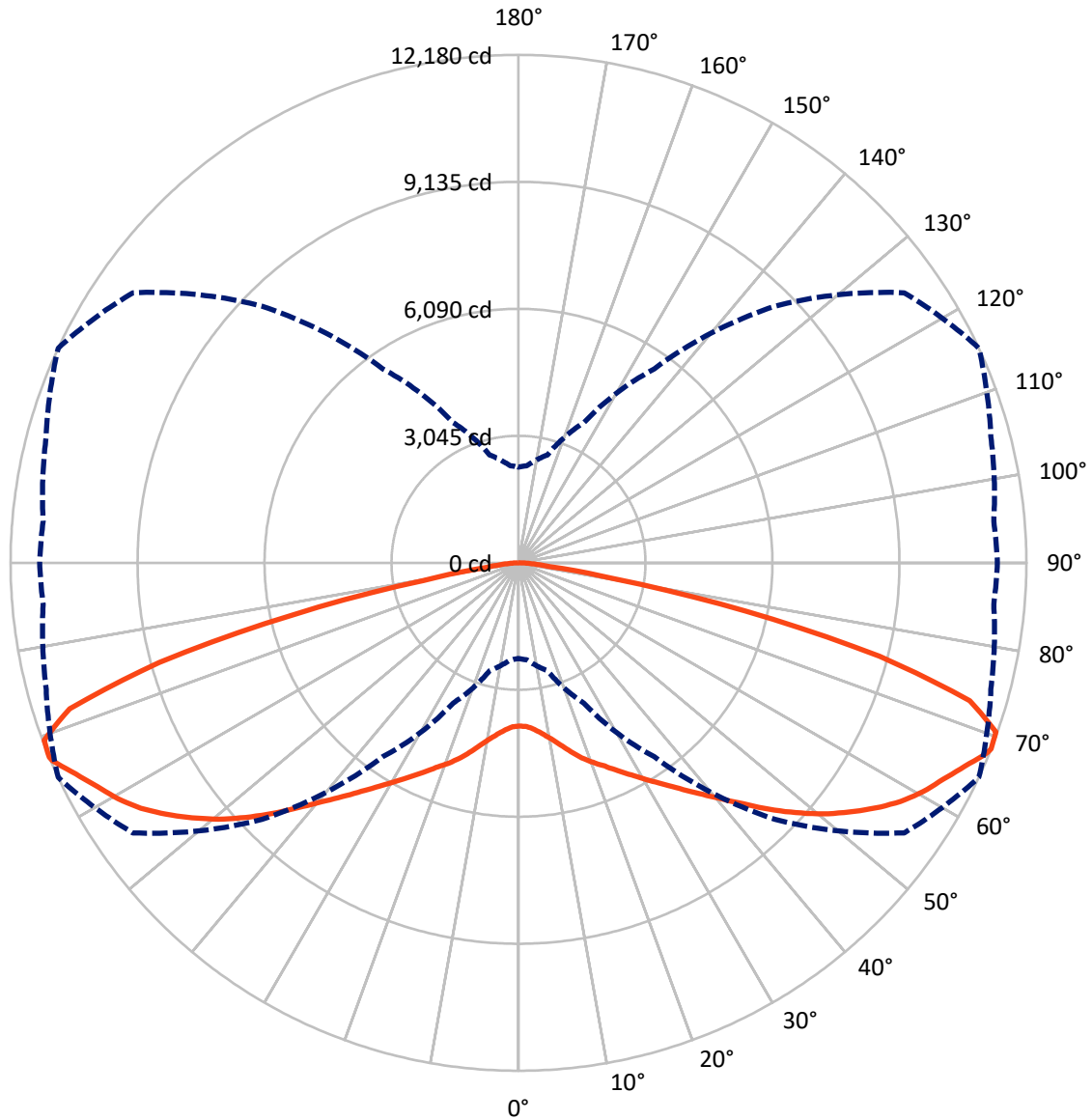
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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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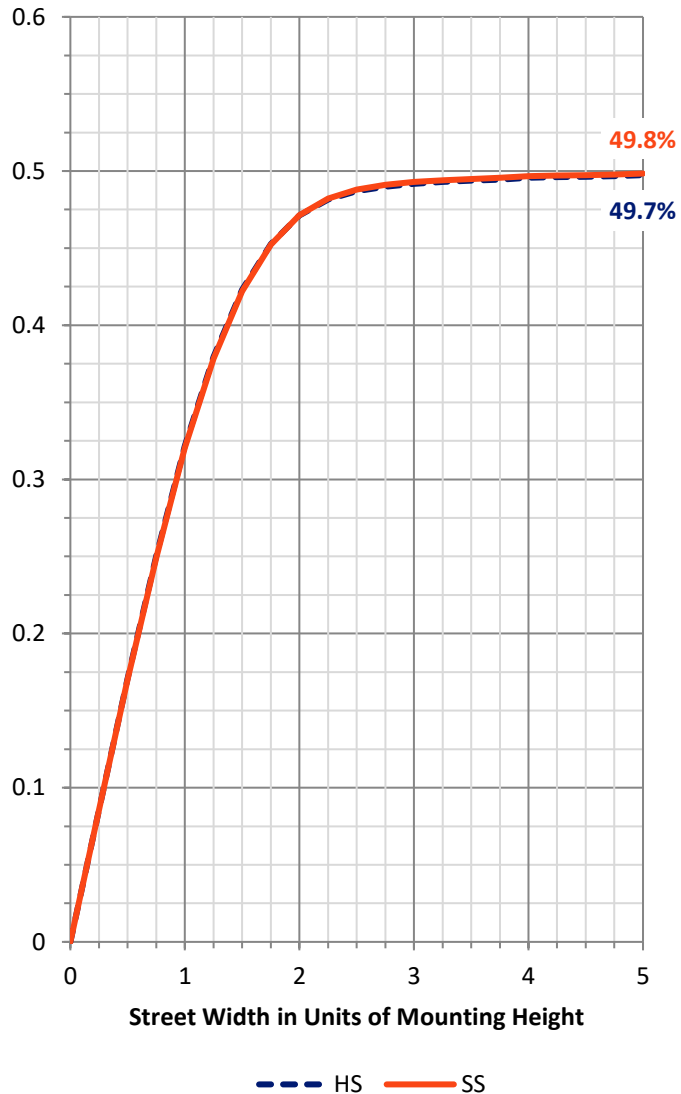
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18813.5	0.0	18813.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18813.5	0.0	18813.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37627.0	0.0	37627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.0	1.0
10°-20°	1282.6	3.4
20°-30°	2500.7	6.6
30°-40°	4201.0	11.2
40°-50°	6619.3	17.6
50°-60°	8852.2	23.5
60°-70°	8605.5	22.9
70°-80°	4704.2	12.5
80°-90°	478.4	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°	37627.0	100.0
0°-180°	37627.0	100.0

Coefficient of Utilization

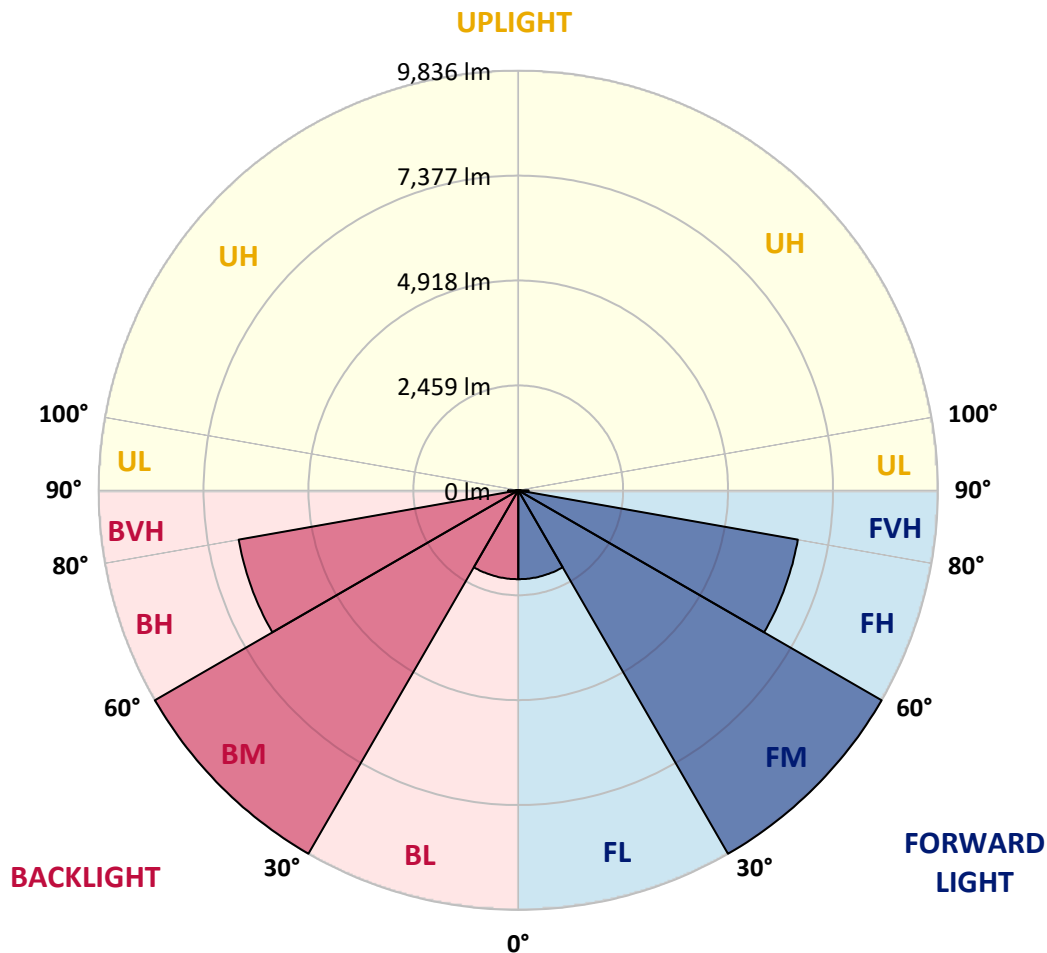


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2083.2	5.5			
FM (30°-60°)	9836.3	26.1			
FH (60°-80°)	6654.8	17.7			G3/7500
FVH (80°-90°)	239.2	0.6			G3/500
BL (0°-30°)	2083.2	5.5	B3/2500		
BM (30°-60°)	9836.3	26.1	B5		
BH (60°-80°)	6654.8	17.7	B5		G5
BVH (80°-90°)	239.2	0.6			G3/500
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°	3912.3	3912.3	3912.3	3912.3	3912.3	3912.3	3912.3	3912.3	3912.3	3912.3	3912.3
2.5°	3884.6	3885.8	3892.1	3899.7	3906.0	3922.4	3926.2	3932.5	3935.0	3941.3	3941.3
5°	3850.5	3853.0	3868.2	3888.4	3911.1	3951.4	3980.5	4013.3	4029.7	4047.3	4046.1
7.5°	3846.7	3853.0	3874.5	3907.3	3945.1	4012.0	4072.5	4138.2	4182.3	4222.7	4220.2
10°	3885.8	3895.9	3926.2	3975.4	4032.2	4115.4	4205.0	4293.3	4370.3	4432.1	4434.6
12.5°	3945.1	3957.7	4005.7	4080.1	4165.9	4273.1	4379.1	4478.8	4584.8	4676.9	4684.4
15°	4023.3	4039.7	4111.7	4222.7	4353.9	4481.3	4594.9	4697.1	4819.4	4946.9	4959.5
17.5°	4139.4	4162.1	4256.7	4406.9	4579.7	4719.8	4838.4	4915.3	5017.5	5148.7	5172.7
20°	4316.0	4345.1	4464.9	4644.1	4854.8	5001.1	5091.9	5108.4	5158.8	5276.1	5303.9
22.5°	4545.7	4570.9	4704.6	4917.8	5153.8	5312.7	5360.7	5295.1	5290.0	5384.6	5411.1
25°	4801.8	4824.5	4979.7	5219.4	5473.0	5648.3	5647.1	5519.6	5431.3	5504.5	5532.3
27.5°	5089.4	5124.8	5273.6	5526.0	5797.2	5970.0	5960.0	5763.1	5595.3	5614.3	5638.2
30°	5420.0	5459.1	5604.2	5860.3	6131.5	6300.6	6288.0	6028.1	5775.8	5725.3	5743.0
32.5°	5830.0	5876.7	6014.2	6266.5	6506.2	6658.9	6622.3	6315.7	5992.8	5883.0	5899.4
35°	6323.3	6351.1	6496.1	6744.7	6939.0	7043.7	6966.7	6648.8	6267.8	6135.3	6135.3
37.5°	6822.9	6844.4	7007.1	7248.1	7436.1	7491.6	7341.4	7013.4	6627.4	6439.4	6443.2
40°	7302.3	7360.4	7543.3	7790.6	7976.0	7991.2	7791.8	7429.8	7027.3	6833.0	6855.7
42.5°	7803.2	7860.0	8078.2	8358.3	8522.3	8547.6	8314.2	7896.6	7479.0	7321.3	7346.5
45°	8249.8	8295.2	8547.6	8873.1	9077.4	9143.1	8866.8	8431.5	7967.2	7813.3	7819.6
47.5°	8561.4	8620.7	8898.3	9281.8	9579.6	9680.5	9409.3	8952.5	8447.9	8261.2	8277.6
50°	8844.0	8875.6	9156.9	9575.8	9954.3	10162.5	9930.3	9467.3	8933.6	8735.5	8753.2
52.5°	9001.7	9042.1	9314.6	9751.2	10199.0	10534.6	10393.3	9930.3	9402.9	9209.9	9231.4
55°	8892.0	8922.3	9249.0	9790.3	10350.4	10764.2	10785.7	10383.2	9863.4	9694.4	9754.9
57.5°	8392.4	8430.2	8828.9	9537.9	10369.4	10919.4	11080.9	10803.4	10293.7	10156.1	10191.5
60°	7611.4	7635.4	8060.6	8857.9	10001.0	10983.8	11268.9	11146.5	10715.0	10577.5	10625.5
62.5°	6219.8	6255.2	6763.6	7832.2	9222.5	10793.3	11450.6	11430.4	11107.4	10981.2	11024.1
65°	4251.7	4313.5	4876.2	6227.4	8022.7	10210.4	11615.9	11760.9	11454.4	11295.4	11352.2
67.5°	2567.4	2612.8	3020.3	4111.7	6139.1	9034.6	11445.5	12136.9	11699.1	11443.0	11489.7
68°	2294.9	2336.5	2677.2	3710.5	5678.6	8702.7	11290.3	12179.8	11725.6	11440.5	11482.1
70°	1386.5	1414.3	1642.6	2293.6	3786.2	6903.7	10231.8	12144.5	11894.7	11475.8	11499.8
72.5°	903.3	912.2	950.0	1177.1	1934.1	3860.6	7679.6	11316.8	12148.3	11681.5	11677.7
75°	750.7	745.6	749.4	775.9	953.8	1693.1	4487.6	8939.9	11580.5	11357.2	11277.7
77.5°	634.6	630.8	629.6	630.8	638.4	817.5	1948.0	5568.8	8861.7	10046.4	10117.0
80°	513.5	508.4	524.8	517.3	494.6	508.4	816.3	2316.4	4177.3	4493.9	4211.3
82.5°	373.4	354.5	425.2	405.0	386.1	358.3	450.4	748.1	996.7	683.8	480.7
85°	287.7	267.5	323.0	310.4	264.9	182.9	267.5	365.9	403.7	230.9	181.7
87.5°	117.3	123.6	233.4	184.2	155.2	88.3	109.8	146.3	196.8	98.4	75.7
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)