

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: P316761

Luminaire Tested: **GAN-SA7B-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37971 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

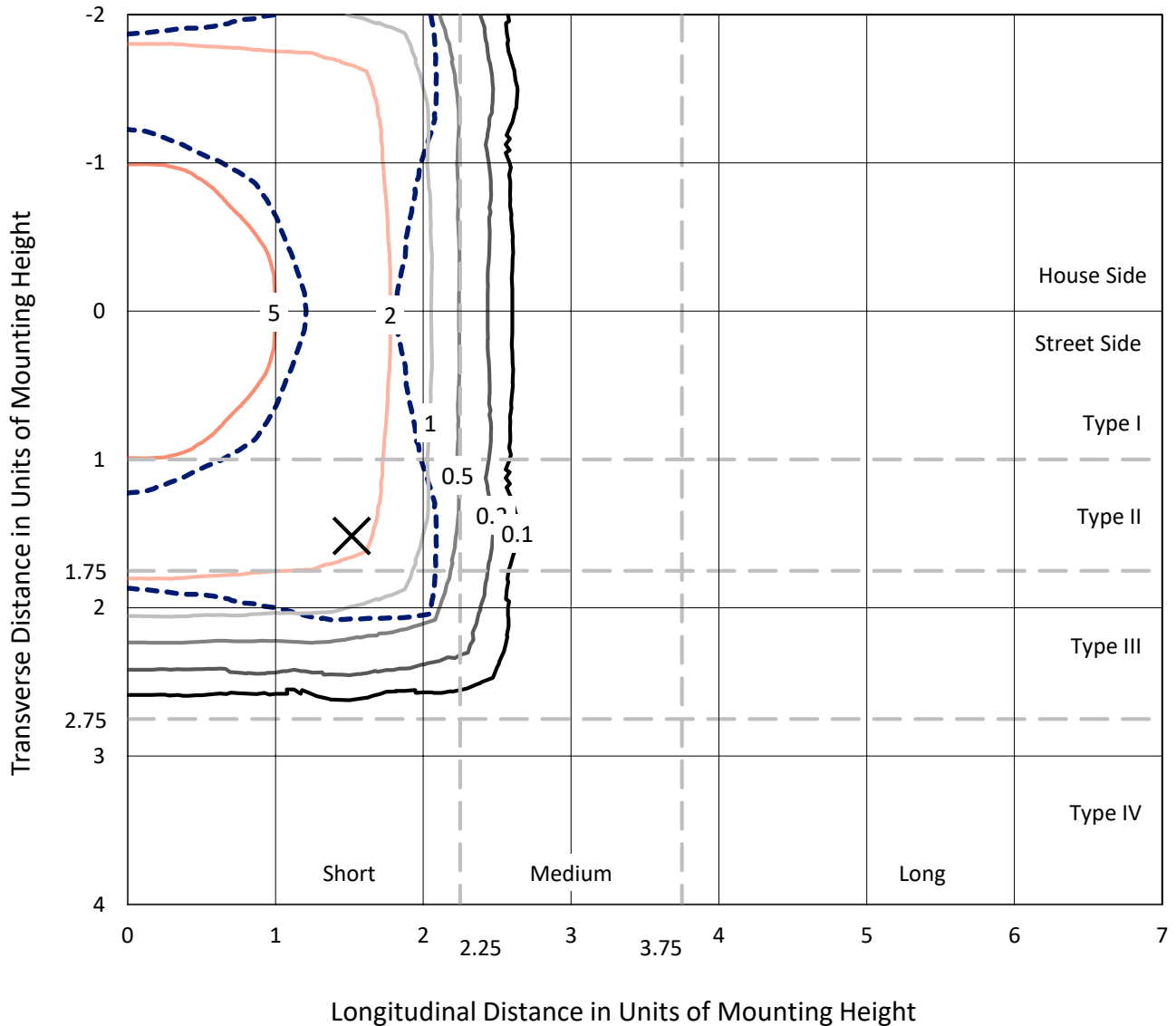
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

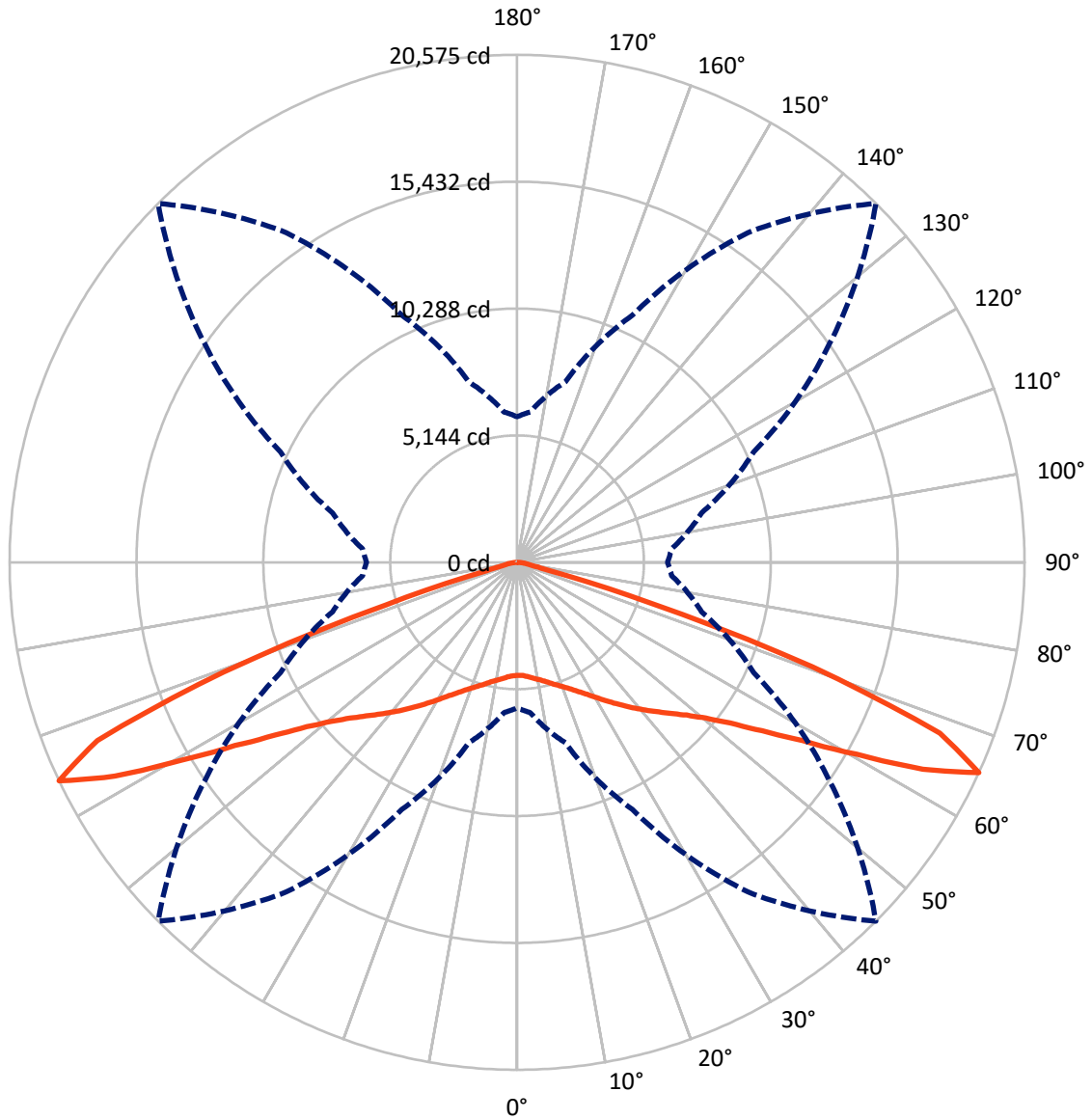
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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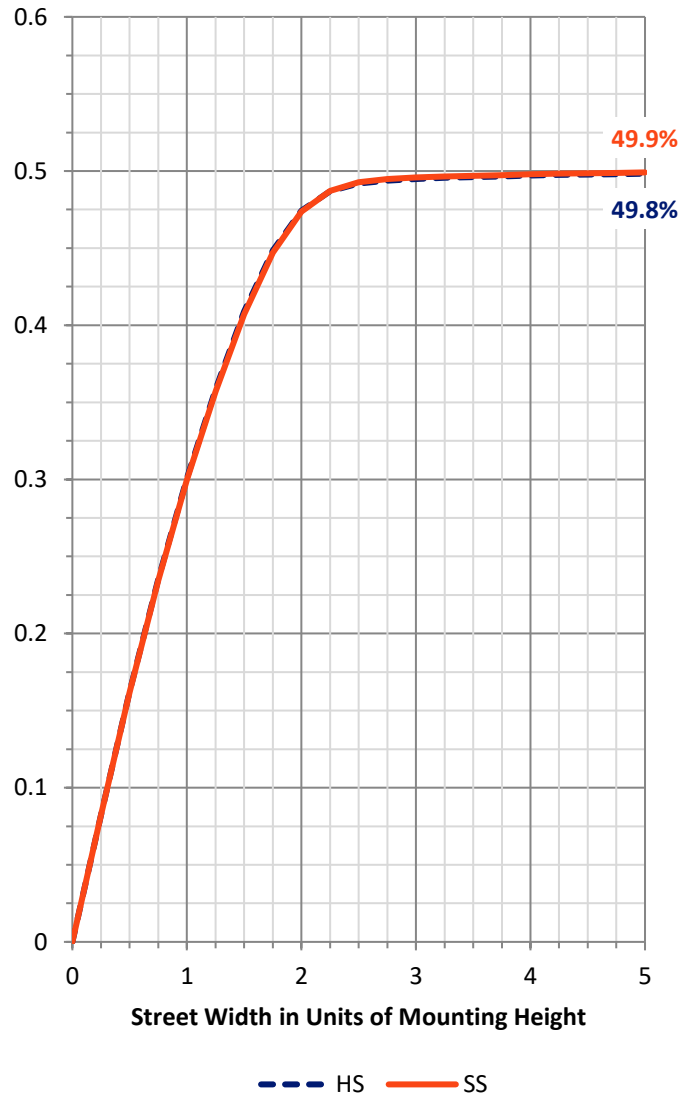
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18985.5	0.0	18985.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18985.5	0.0	18985.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37971.0	0.0	37971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.9	1.2
10°-20°	1446.1	3.8
20°-30°	2713.1	7.1
30°-40°	4487.0	11.8
40°-50°	6949.7	18.3
50°-60°	10658.9	28.1
60°-70°	9946.0	26.2
70°-80°	1157.6	3.0
80°-90°	162.7	0.4
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°	37971.0	100.0
0°-180°	37971.0	100.0

Coefficient of Utilization



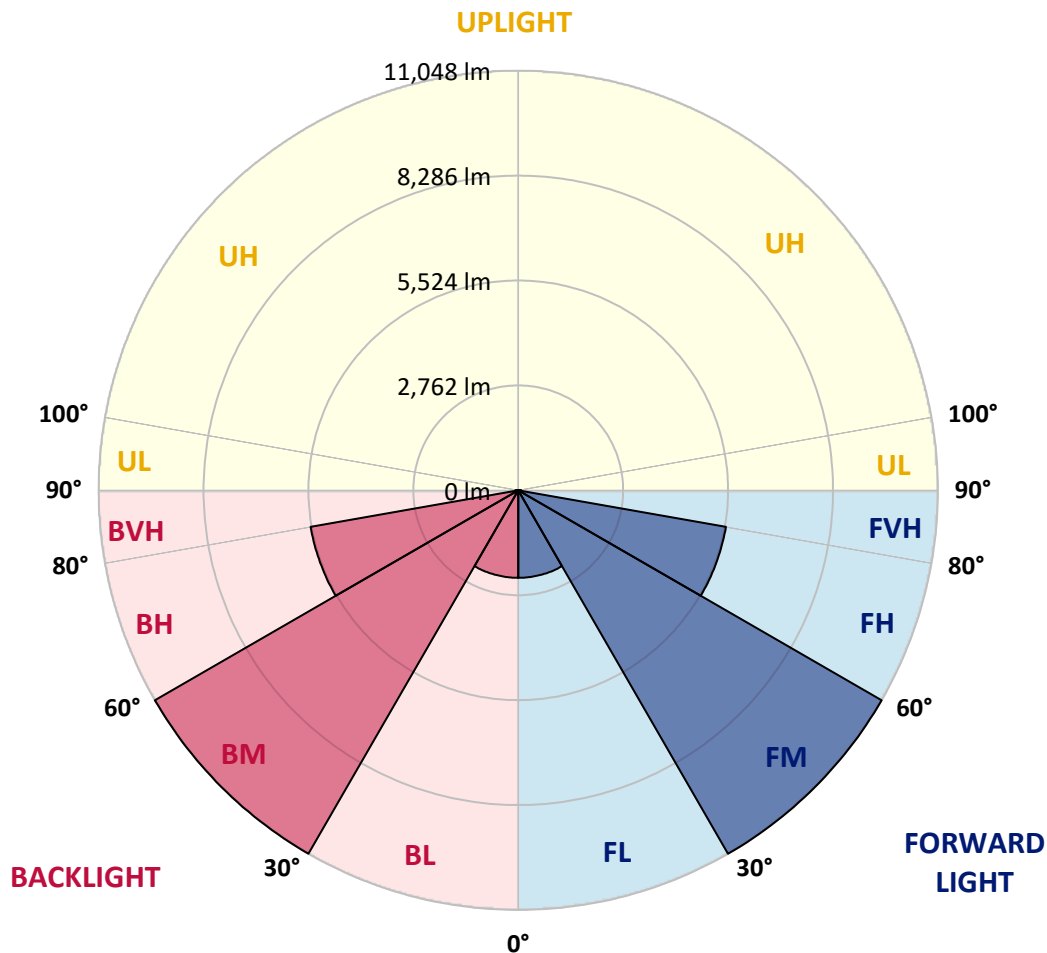
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2304.6	6.1			
FM (30°-60°)	11047.8	29.1			
FH (60°-80°)	5551.8	14.6			G3/7500
FVH (80°-90°)	81.3	0.2			G1/100
BL (0°-30°)	2304.6	6.1	B3/2500		
BM (30°-60°)	11047.8	29.1	B5		
BH (60°-80°)	5551.8	14.6	B5		G3/7500
BVH (80°-90°)	81.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4585.5	4585.5	4585.5	4585.5	4585.5	4585.5	4585.5	4585.5	4585.5	4585.5	4585.5
2.5°	4600.6	4598.1	4600.6	4601.9	4594.3	4598.1	4596.8	4603.1	4605.6	4603.1	4603.1
5°	4653.5	4649.8	4654.8	4661.1	4651.0	4653.5	4649.8	4657.3	4659.8	4654.8	4658.6
7.5°	4726.6	4727.9	4733.0	4744.3	4738.0	4743.0	4735.5	4736.7	4735.5	4727.9	4729.2
10°	4806.1	4807.3	4816.1	4831.3	4833.8	4833.8	4828.7	4825.0	4819.9	4814.9	4816.1
12.5°	4901.8	4908.2	4914.5	4933.4	4933.4	4943.4	4940.9	4930.8	4922.0	4914.5	4914.5
15°	5031.7	5030.4	5038.0	5056.9	5065.7	5082.1	5082.1	5068.2	5056.9	5049.3	5046.8
17.5°	5167.8	5171.6	5176.6	5199.3	5213.2	5232.1	5234.6	5223.3	5215.7	5205.6	5199.3
20°	5326.6	5332.9	5353.1	5361.9	5374.5	5392.2	5398.5	5395.9	5388.4	5383.3	5384.6
22.5°	5511.9	5528.3	5540.9	5553.5	5568.6	5581.2	5587.5	5596.4	5588.8	5585.0	5582.5
25°	5736.3	5747.6	5772.8	5795.5	5805.6	5809.4	5816.9	5829.5	5828.3	5819.4	5819.4
27.5°	5990.9	6012.3	6043.8	6076.6	6076.6	6064.0	6089.2	6110.6	6103.0	6091.7	6076.6
30°	6299.7	6319.8	6356.4	6401.8	6379.1	6370.3	6404.3	6443.4	6432.0	6413.1	6410.6
32.5°	6632.4	6651.3	6699.2	6748.4	6719.4	6706.8	6743.4	6800.1	6779.9	6742.1	6719.4
35°	6992.9	7011.8	7079.9	7139.1	7090.0	7068.5	7098.8	7160.6	7125.3	7054.7	7037.0
37.5°	7384.9	7395.0	7483.2	7543.7	7509.7	7453.0	7490.8	7536.2	7505.9	7420.2	7386.2
40°	7792.0	7828.6	7930.7	8001.3	7942.0	7852.5	7915.6	7978.6	7933.2	7823.5	7765.6
42.5°	8267.2	8295.0	8431.1	8494.1	8398.3	8272.3	8358.0	8443.7	8398.3	8292.4	8242.0
45°	8761.3	8804.2	8966.8	9029.8	8891.1	8731.1	8835.7	8985.7	8981.9	8829.4	8776.4
47.5°	9299.5	9342.4	9536.5	9619.7	9469.7	9255.4	9402.9	9614.6	9599.5	9431.9	9389.0
50°	9920.9	9966.3	10208.3	10312.9	10173.0	9923.4	10145.3	10331.8	10304.1	10097.4	10101.2
52.5°	10701.1	10698.6	10999.9	11181.4	11037.7	10817.1	11021.3	11202.8	11088.1	10802.0	10793.1
55°	11384.3	11425.9	11799.0	12143.1	12134.3	12049.8	12131.7	12139.3	11811.6	11430.9	11384.3
57.5°	11833.0	11912.4	12438.0	13060.7	13527.0	13639.2	13480.4	12998.9	12231.3	11622.5	11548.1
60°	11557.0	11678.0	12503.6	13772.8	15146.7	15805.9	14909.7	13416.1	11904.9	11056.6	10955.7
62.5°	9694.0	9898.2	11107.0	13428.7	16540.7	18468.0	15945.8	12746.8	10606.6	9438.2	9265.5
65°	5903.9	6119.4	7576.5	11052.8	16315.1	20575.4	15473.2	10580.1	7741.6	6288.3	6101.8
67.5°	1967.5	2030.6	2888.9	6109.4	12822.5	18486.9	12843.9	6333.7	3369.2	2233.5	2168.0
70°	770.1	776.4	916.3	1770.9	6055.2	12697.7	6681.6	1802.4	957.9	757.5	773.9
72.5°	565.9	568.5	607.5	739.9	1578.1	5593.8	1634.8	743.7	591.1	530.6	530.6
75°	455.0	455.0	482.7	539.5	707.1	1283.1	717.2	533.2	462.6	423.5	418.5
77.5°	359.2	366.8	388.2	424.8	479.0	617.6	496.6	422.2	373.1	336.5	329.0
80°	267.2	274.8	310.1	327.7	344.1	428.5	366.8	330.2	294.9	252.1	244.5
82.5°	175.2	182.8	226.9	237.0	233.2	279.8	247.0	243.3	216.8	162.6	155.0
85°	114.7	117.2	151.3	157.6	145.0	127.3	157.6	166.4	151.3	105.9	102.1
87.5°	54.2	54.2	76.9	71.8	65.5	52.9	71.8	84.4	85.7	51.7	50.4
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)