

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: P316751

Luminaire Tested: **GAN-SA7A-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316751
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-SA7A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30964 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

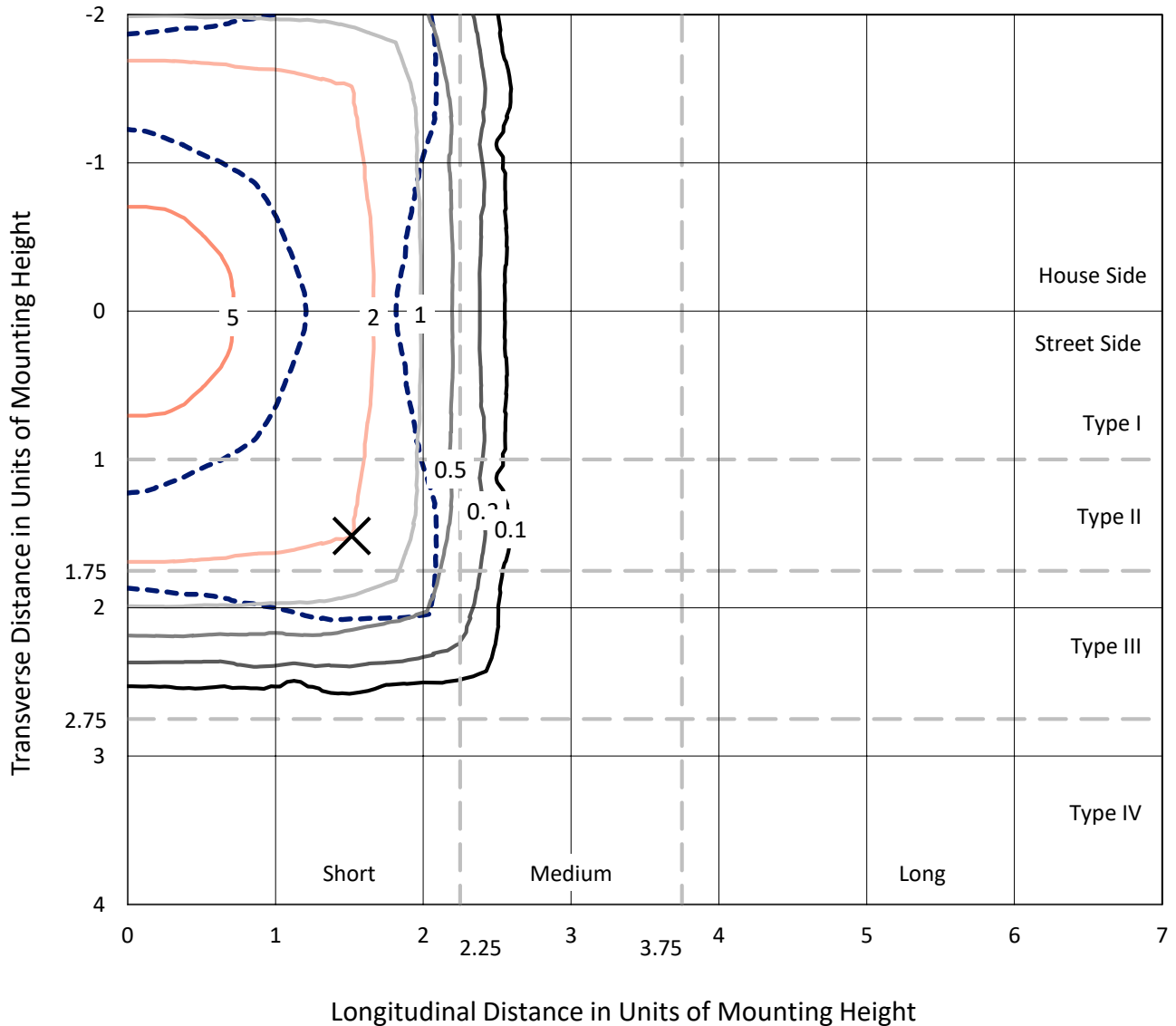
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

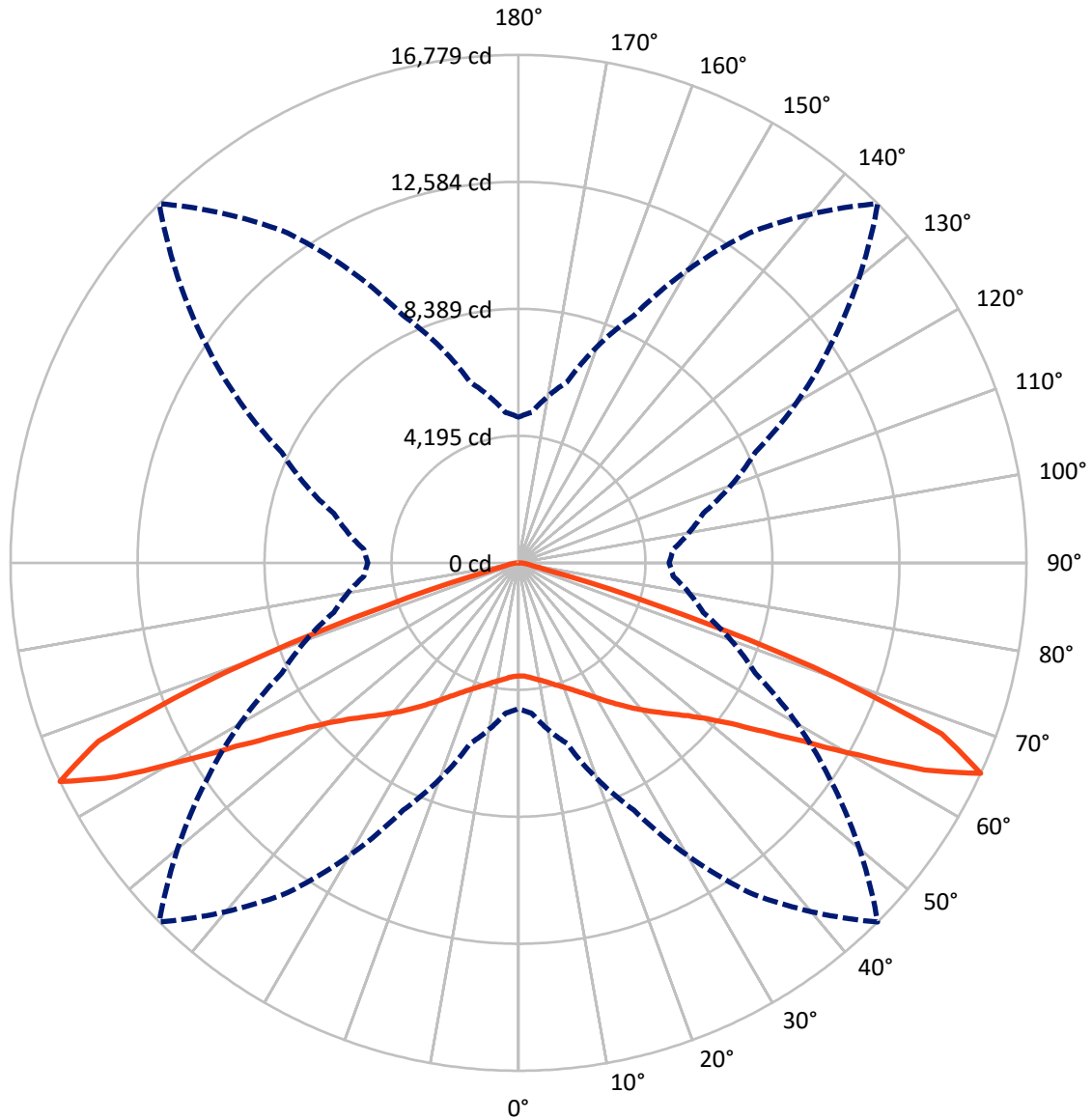
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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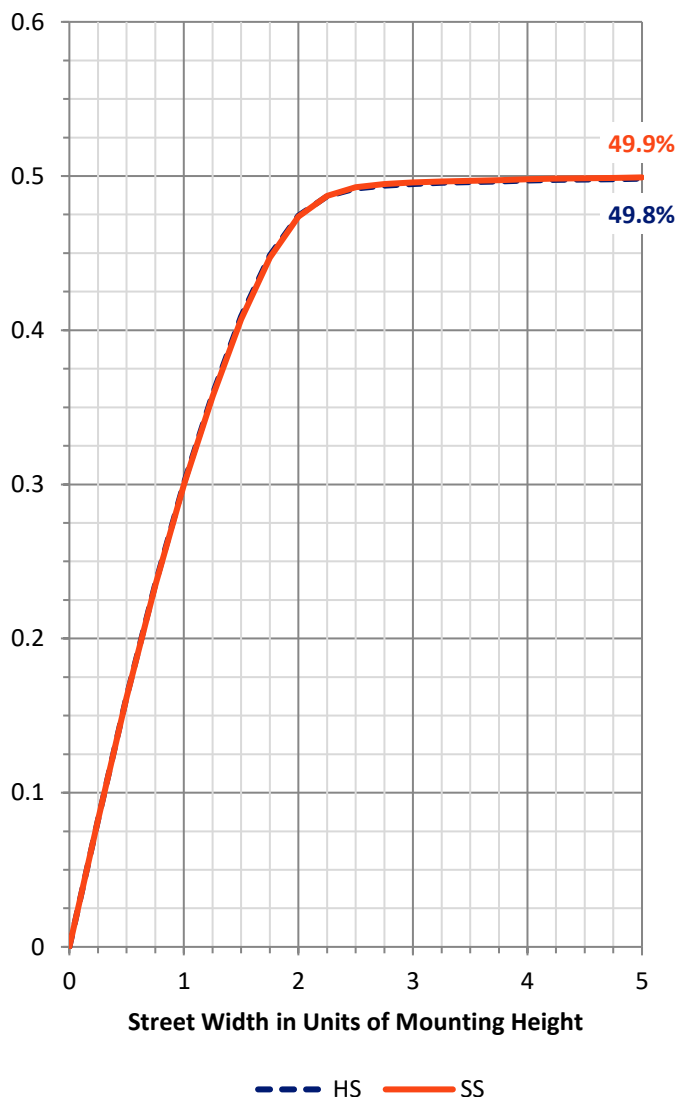
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15482.0	0.0	15482.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15482.0	0.0	15482.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30964.0	0.0	30964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.9	1.2
10°-20°	1179.2	3.8
20°-30°	2212.5	7.1
30°-40°	3659.0	11.8
40°-50°	5667.3	18.3
50°-60°	8692.0	28.1
60°-70°	8110.6	26.2
70°-80°	944.0	3.0
80°-90°	132.6	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°	30964.0	100.0
0°-180°	30964.0	100.0

Coefficient of Utilization



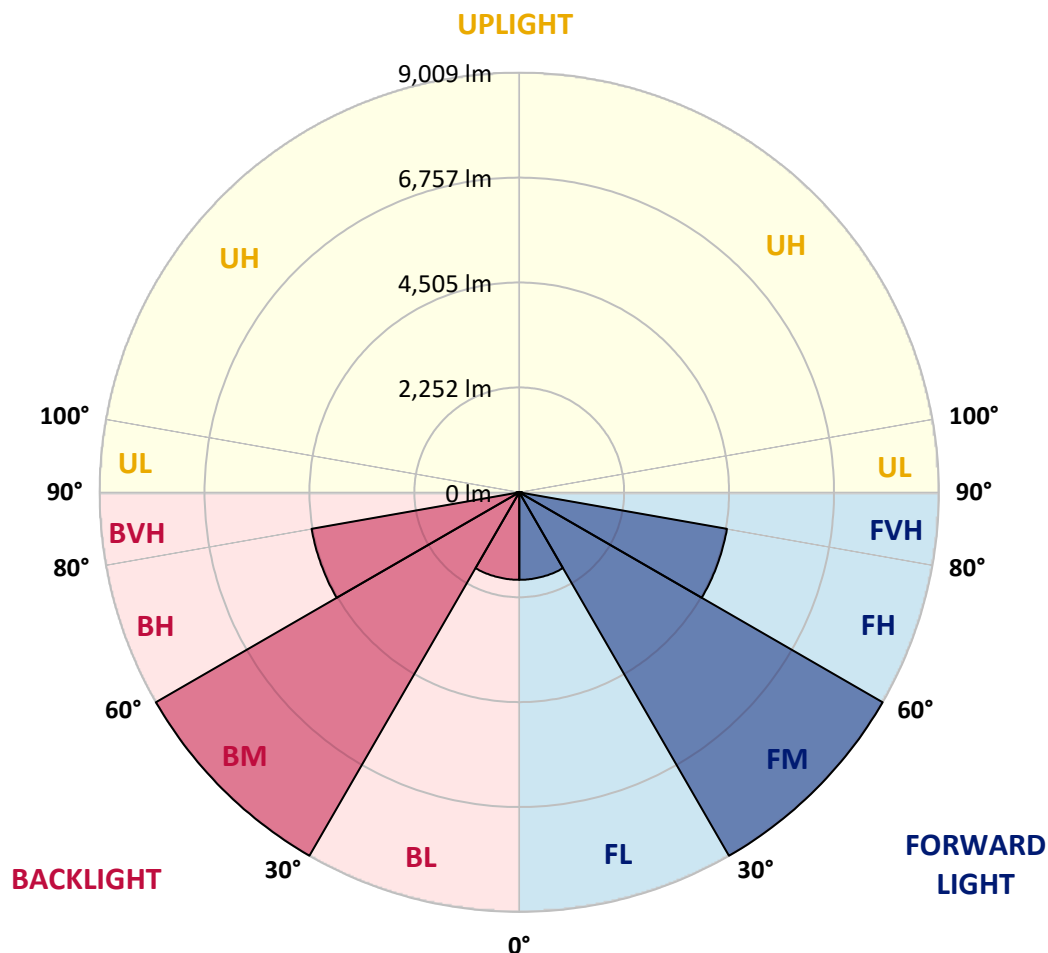
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1879.3	6.1			
FM (30°-60°)	9009.1	29.1			
FH (60°-80°)	4527.3	14.6			G2/5000
FVH (80°-90°)	66.3	0.2			G1/100
BL (0°-30°)	1879.3	6.1	B3/2500		
BM (30°-60°)	9009.1	29.1	B5		
BH (60°-80°)	4527.3	14.6	B4/5000		G2/5000
BVH (80°-90°)	66.3	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3739.3	3739.3	3739.3	3739.3	3739.3	3739.3	3739.3	3739.3	3739.3	3739.3	3739.3
2.5°	3751.6	3749.6	3751.6	3752.7	3746.5	3749.6	3748.5	3753.7	3755.7	3753.7	3753.7
5°	3794.8	3791.7	3795.8	3801.0	3792.7	3794.8	3791.7	3797.9	3799.9	3795.8	3798.9
7.5°	3854.4	3855.4	3859.6	3868.8	3863.7	3867.8	3861.6	3862.6	3861.6	3855.4	3856.5
10°	3919.2	3920.2	3927.4	3939.7	3941.8	3941.8	3937.7	3934.6	3930.5	3926.4	3927.4
12.5°	3997.3	4002.4	4007.6	4023.0	4023.0	4031.2	4029.1	4020.9	4013.7	4007.6	4007.6
15°	4103.2	4102.1	4108.3	4123.7	4130.9	4144.3	4144.3	4133.0	4123.7	4117.5	4115.5
17.5°	4214.2	4217.2	4221.4	4239.9	4251.2	4266.6	4268.6	4259.4	4253.2	4245.0	4239.9
20°	4343.7	4348.8	4365.3	4372.4	4382.7	4397.1	4402.3	4400.2	4394.0	4389.9	4390.9
22.5°	4494.8	4508.1	4518.4	4528.7	4541.0	4551.3	4556.4	4563.6	4557.5	4554.4	4552.3
25°	4677.7	4687.0	4707.5	4726.0	4734.2	4737.3	4743.5	4753.8	4752.7	4745.6	4745.6
27.5°	4885.3	4902.8	4928.5	4955.2	4955.2	4945.0	4965.5	4983.0	4976.8	4967.6	4955.2
30°	5137.2	5153.6	5183.4	5220.4	5201.9	5194.7	5222.5	5254.3	5245.1	5229.7	5227.6
32.5°	5408.5	5423.9	5463.0	5503.1	5479.4	5469.2	5499.0	5545.2	5528.8	5497.9	5479.4
35°	5702.5	5717.9	5773.4	5821.7	5781.6	5764.1	5788.8	5839.2	5810.4	5752.8	5738.5
37.5°	6022.1	6030.4	6102.3	6151.6	6123.9	6077.6	6108.5	6145.5	6120.8	6050.9	6023.2
40°	6354.1	6383.9	6467.2	6524.8	6476.4	6403.5	6454.9	6506.3	6469.2	6379.8	6332.5
42.5°	6741.6	6764.2	6875.2	6926.6	6848.5	6745.7	6815.6	6885.5	6848.5	6762.2	6721.1
45°	7144.5	7179.5	7312.1	7363.5	7250.4	7119.9	7205.2	7327.5	7324.4	7200.0	7156.9
47.5°	7583.4	7618.4	7776.7	7844.5	7722.2	7547.5	7667.7	7840.4	7828.1	7691.4	7656.4
50°	8090.2	8127.2	8324.5	8409.8	8295.7	8092.2	8273.1	8425.2	8402.6	8234.1	8237.1
52.5°	8726.4	8724.3	8970.0	9118.0	9000.8	8821.0	8987.5	9135.5	9041.9	8808.6	8801.4
55°	9283.5	9317.4	9621.6	9902.2	9895.1	9826.2	9893.0	9899.2	9631.9	9321.5	9283.5
57.5°	9649.4	9714.2	10142.8	10650.5	11030.8	11122.3	10992.8	10600.2	9974.2	9477.7	9417.1
60°	9424.3	9523.0	10196.2	11231.2	12351.6	12889.2	12158.4	10940.4	9708.0	9016.2	8934.0
62.5°	7905.1	8071.7	9057.4	10950.6	13488.4	15060.0	13003.2	10394.6	8649.3	7696.5	7555.7
65°	4814.4	4990.2	6178.4	9013.2	13304.4	16778.5	12617.8	8627.7	6313.0	5127.9	4975.8
67.5°	1604.5	1655.9	2355.8	4982.0	10456.3	15075.4	10473.7	5164.9	2747.4	1821.3	1767.9
70°	628.0	633.2	747.2	1444.1	4937.8	10354.5	5448.6	1469.8	781.2	617.7	631.1
72.5°	461.5	463.6	495.4	603.3	1286.9	4561.6	1333.1	606.4	482.1	432.7	432.7
75°	371.1	371.1	393.7	439.9	576.6	1046.3	584.8	434.8	377.2	345.4	341.2
77.5°	292.9	299.1	316.6	346.4	390.6	503.6	405.0	344.3	304.2	274.4	268.3
80°	217.9	224.1	252.8	267.2	280.6	349.5	299.1	269.3	240.5	205.6	199.4
82.5°	142.9	149.0	185.0	193.2	190.2	228.2	201.5	198.4	176.8	132.6	126.4
85°	93.5	95.6	123.3	128.5	118.2	103.8	128.5	135.7	123.3	86.3	83.3
87.5°	44.2	44.2	62.7	58.6	53.4	43.2	58.6	68.9	69.9	42.1	41.1
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)