

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: P316722

Luminaire Tested: **GAN-SA8B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316722
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-SA8B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 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: 39509 lumens
Efficiency: N/A
Efficacy: 118.3 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): 334
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

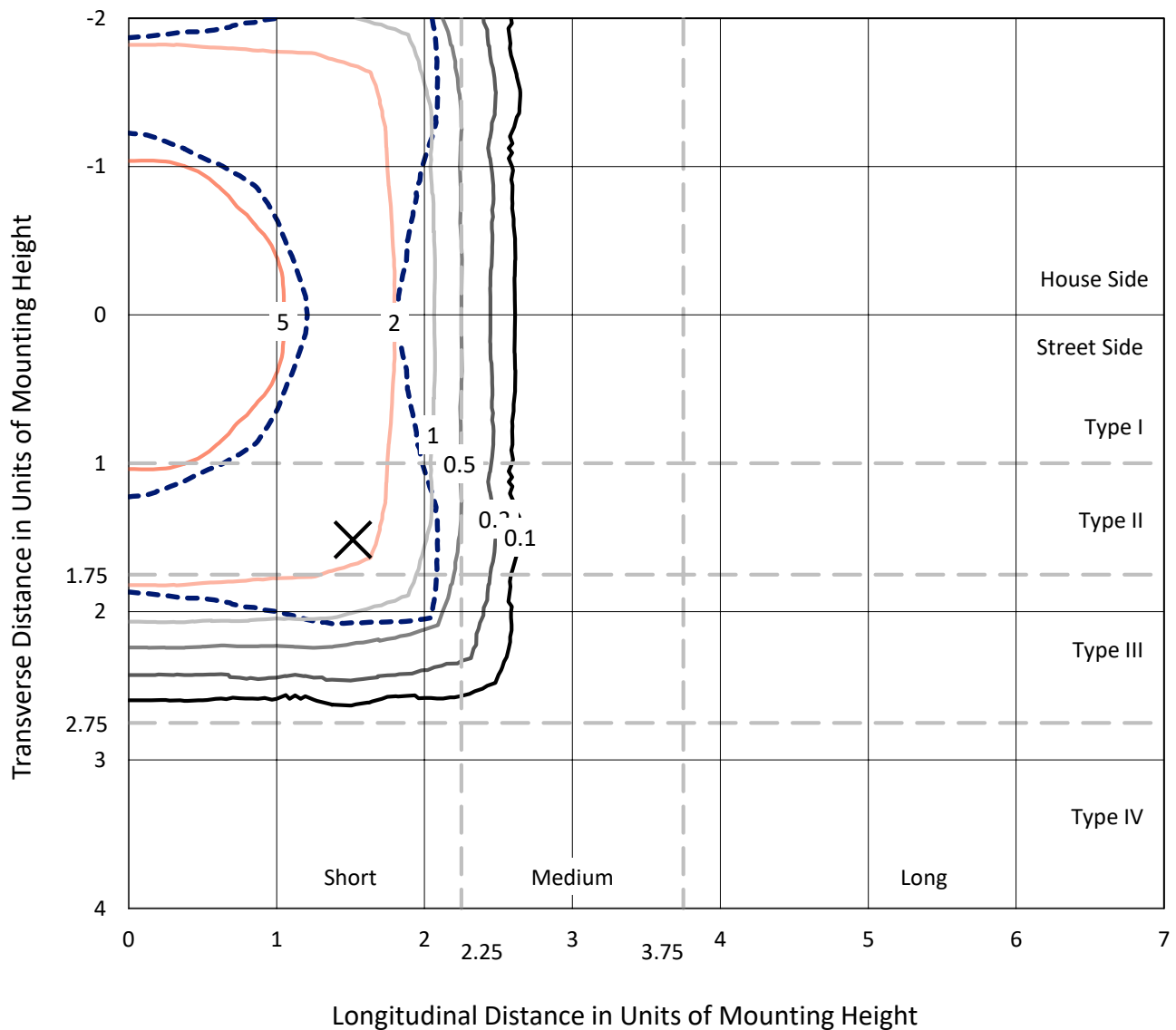


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Iso-Footcandle Lines of Horizontal Illumination

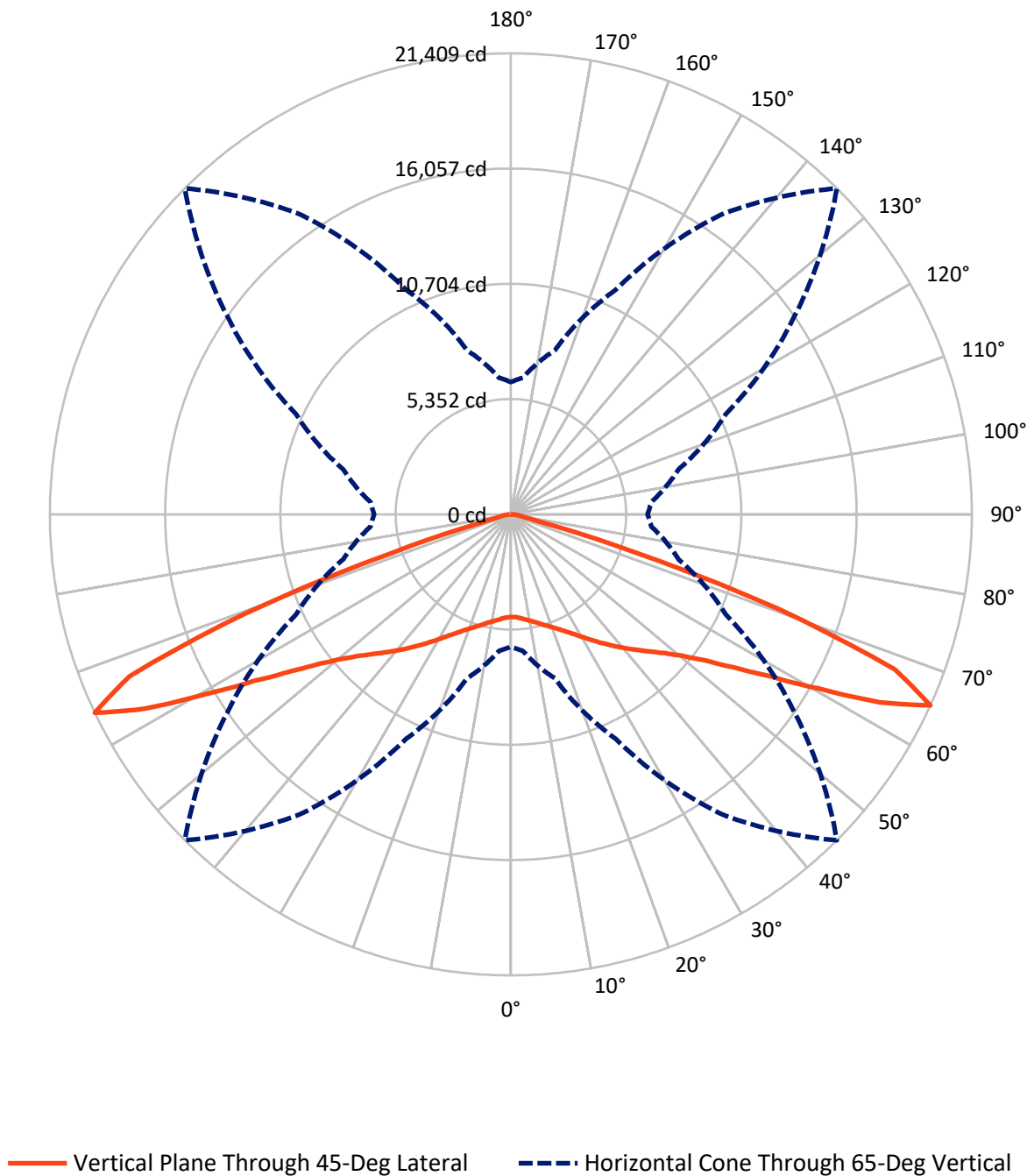
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19754.5	0.0	19754.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19754.5	0.0	19754.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39509.0	0.0	39509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.1	1.2
10°-20°	1504.7	3.8
20°-30°	2823.0	7.1
30°-40°	4668.7	11.8
40°-50°	7231.2	18.3
50°-60°	11090.7	28.1
60°-70°	10348.9	26.2
70°-80°	1204.4	3.0
80°-90°	169.3	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°	39509.0	100.0
0°-180°	39509.0	100.0

Coefficient of Utilization



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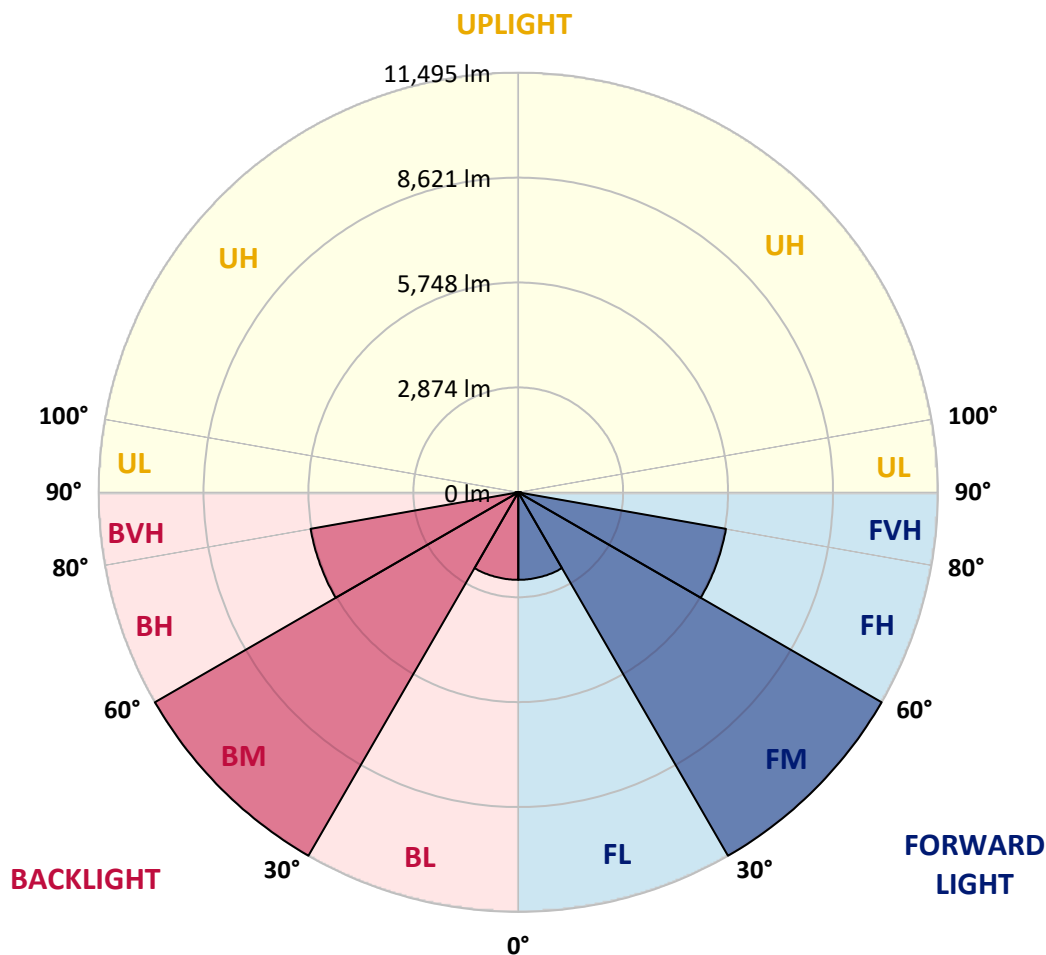
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2397.9	6.1			
FM	(30°-60°)	11495.3	29.1			
FH	(60°-80°)	5776.7	14.6			G3/7500
FVH	(80°-90°)	84.6	0.2			G1/100
BL	(0°-30°)	2397.9	6.1	B3/2500		
BM	(30°-60°)	11495.3	29.1	B5		
BH	(60°-80°)	5776.7	14.6	B5		G3/7500
BVH	(80°-90°)	84.6	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°	4771.2	4771.2	4771.2	4771.2	4771.2	4771.2	4771.2	4771.2	4771.2	4771.2	4771.2
2.5°	4786.9	4784.3	4786.9	4788.3	4780.4	4784.3	4783.0	4789.6	4792.2	4789.6	4789.6
5°	4842.0	4838.1	4843.3	4849.9	4839.4	4842.0	4838.1	4846.0	4848.6	4843.3	4847.3
7.5°	4918.1	4919.4	4924.7	4936.5	4929.9	4935.1	4927.3	4928.6	4927.3	4919.4	4920.7
10°	5000.7	5002.0	5011.2	5027.0	5029.6	5029.6	5024.3	5020.4	5015.1	5009.9	5011.2
12.5°	5100.4	5107.0	5113.5	5133.2	5133.2	5143.7	5141.1	5130.6	5121.4	5113.5	5113.5
15°	5235.5	5234.2	5242.0	5261.7	5270.9	5287.9	5287.9	5273.5	5261.7	5253.8	5251.2
17.5°	5377.1	5381.1	5386.3	5409.9	5424.3	5444.0	5446.6	5434.8	5427.0	5416.5	5409.9
20°	5542.4	5548.9	5569.9	5579.1	5592.2	5610.6	5617.1	5614.5	5606.6	5601.4	5602.7
22.5°	5735.2	5752.2	5765.3	5778.4	5794.2	5807.3	5813.8	5823.0	5815.2	5811.2	5808.6
25°	5968.6	5980.4	6006.6	6030.2	6040.7	6044.7	6052.5	6065.7	6064.3	6055.2	6055.2
27.5°	6233.5	6255.8	6288.6	6322.7	6322.7	6309.6	6335.8	6358.1	6350.2	6338.4	6322.7
30°	6554.8	6575.8	6613.9	6661.1	6637.5	6628.3	6663.7	6704.4	6692.5	6672.9	6670.3
32.5°	6901.1	6920.7	6970.6	7021.7	6991.6	6978.5	7016.5	7075.5	7054.5	7015.2	6991.6
35°	7276.2	7295.8	7366.7	7428.3	7377.1	7354.9	7386.3	7450.6	7413.9	7340.4	7322.1
37.5°	7684.0	7694.5	7786.3	7849.3	7813.9	7754.9	7794.2	7841.4	7809.9	7720.8	7685.3
40°	8107.7	8145.7	8251.9	8325.4	8263.7	8170.6	8236.2	8301.8	8254.5	8140.4	8080.1
42.5°	8602.1	8630.9	8772.6	8838.2	8738.5	8607.3	8696.5	8785.7	8738.5	8628.3	8575.9
45°	9116.2	9160.8	9330.0	9395.5	9251.3	9084.7	9193.6	9349.6	9345.7	9187.0	9131.9
47.5°	9676.2	9720.8	9922.8	10009.3	9853.2	9630.3	9783.7	10004.1	9988.3	9813.9	9769.3
50°	10322.8	10370.0	10621.8	10730.6	10585.1	10325.4	10556.2	10750.3	10721.5	10506.4	10510.3
52.5°	11134.6	11132.0	11445.4	11634.3	11484.7	11255.2	11467.7	11656.6	11537.2	11239.5	11230.3
55°	11845.4	11888.7	12276.9	12634.9	12625.7	12537.9	12623.1	12631.0	12290.0	11893.9	11845.4
57.5°	12312.3	12394.9	12941.8	13589.7	14074.9	14191.7	14026.4	13525.4	12726.7	12093.3	12015.9
60°	12025.1	12151.0	13010.0	14330.7	15760.2	16446.1	15513.7	13959.5	12387.1	11504.4	11399.5
62.5°	10086.7	10299.2	11556.9	13972.6	17210.7	19216.0	16591.7	13263.1	11036.2	9820.5	9640.8
65°	6143.0	6367.3	7883.4	11500.5	16976.0	21408.8	16099.9	11008.7	8055.2	6543.0	6348.9
67.5°	2047.2	2112.8	3005.9	6356.8	13341.8	19235.7	13364.1	6590.3	3505.6	2324.0	2255.8
70°	801.3	807.9	953.5	1842.6	6300.4	13212.0	6952.2	1875.4	996.7	788.2	805.3
72.5°	588.9	591.5	632.1	769.8	1642.0	5820.4	1701.0	773.8	615.1	552.1	552.1
75°	473.4	473.4	502.3	561.3	735.7	1335.1	746.2	554.8	481.3	440.7	435.4
77.5°	373.8	381.6	403.9	442.0	498.4	642.6	516.7	439.4	388.2	350.2	342.3
80°	278.0	285.9	322.6	341.0	358.0	445.9	381.6	343.6	306.9	262.3	254.4
82.5°	182.3	190.2	236.1	246.6	242.6	291.2	257.1	253.1	225.6	169.2	161.3
85°	119.3	122.0	157.4	163.9	150.8	132.5	163.9	173.1	157.4	110.2	106.2
87.5°	56.4	56.4	80.0	74.8	68.2	55.1	74.8	87.9	89.2	53.8	52.5
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)