

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: P316620

Luminaire Tested: **GAN-SA6D-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35839 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

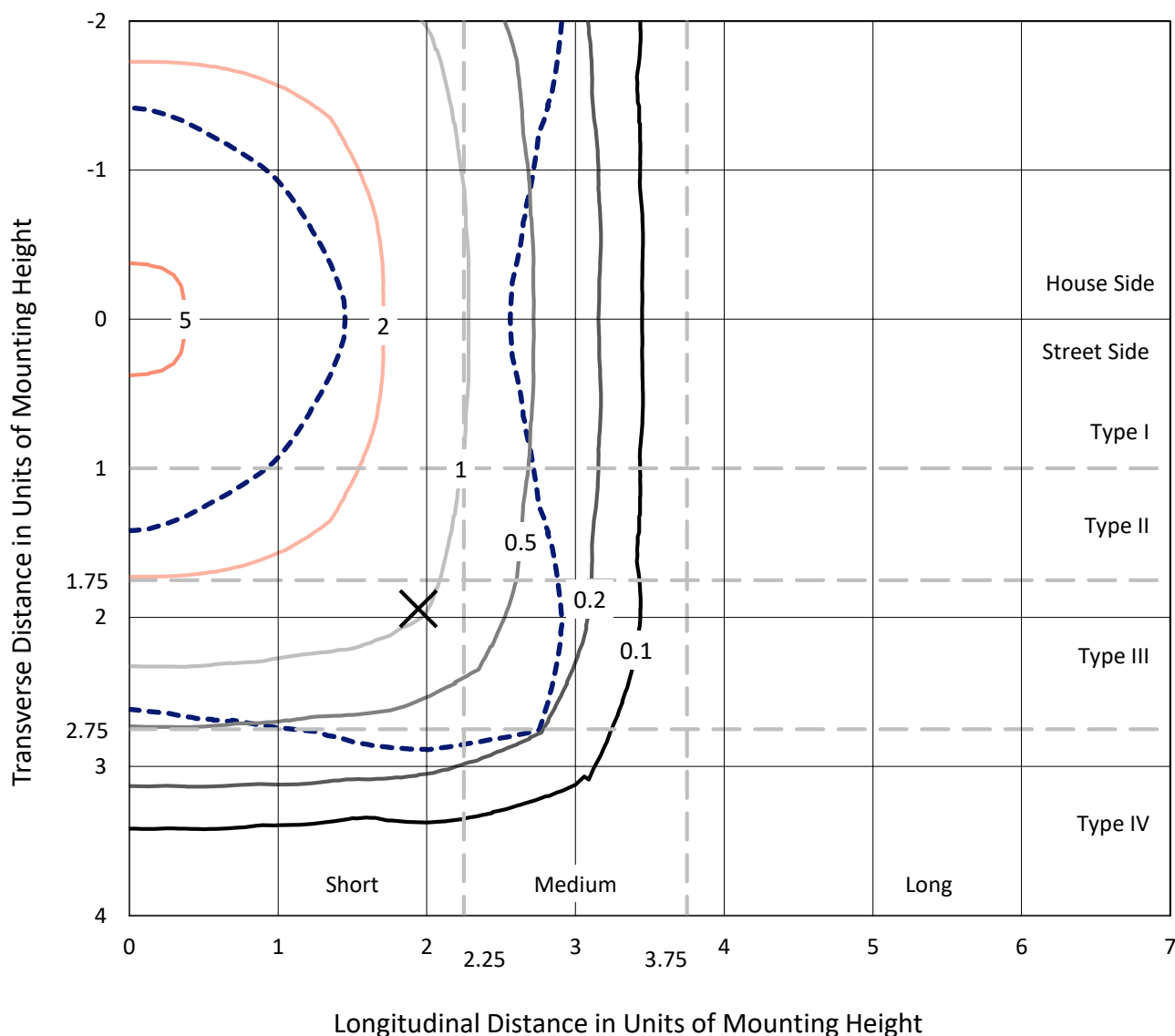
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

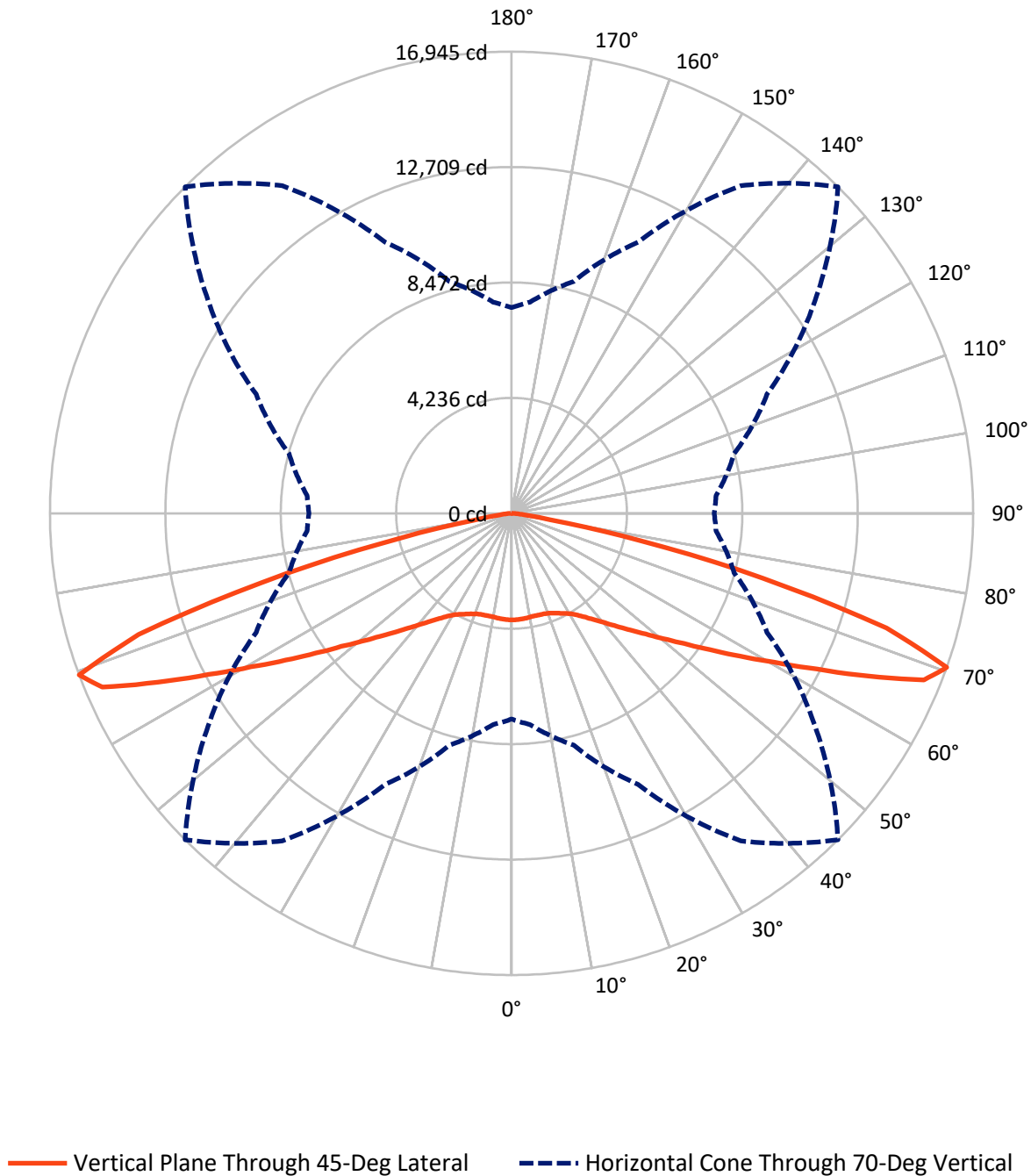
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	17919.5	0.0	17919.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17919.5	0.0	17919.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35839.0	0.0	35839.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.7	1.0
10°-20°	1088.3	3.0
20°-30°	1852.7	5.2
30°-40°	2938.3	8.2
40°-50°	4781.5	13.3
50°-60°	7883.9	22.0
60°-70°	11573.8	32.3
70°-80°	5117.9	14.3
80°-90°	231.8	0.6
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°	35839.0	100.0
0°-180°	35839.0	100.0

Coefficient of Utilization



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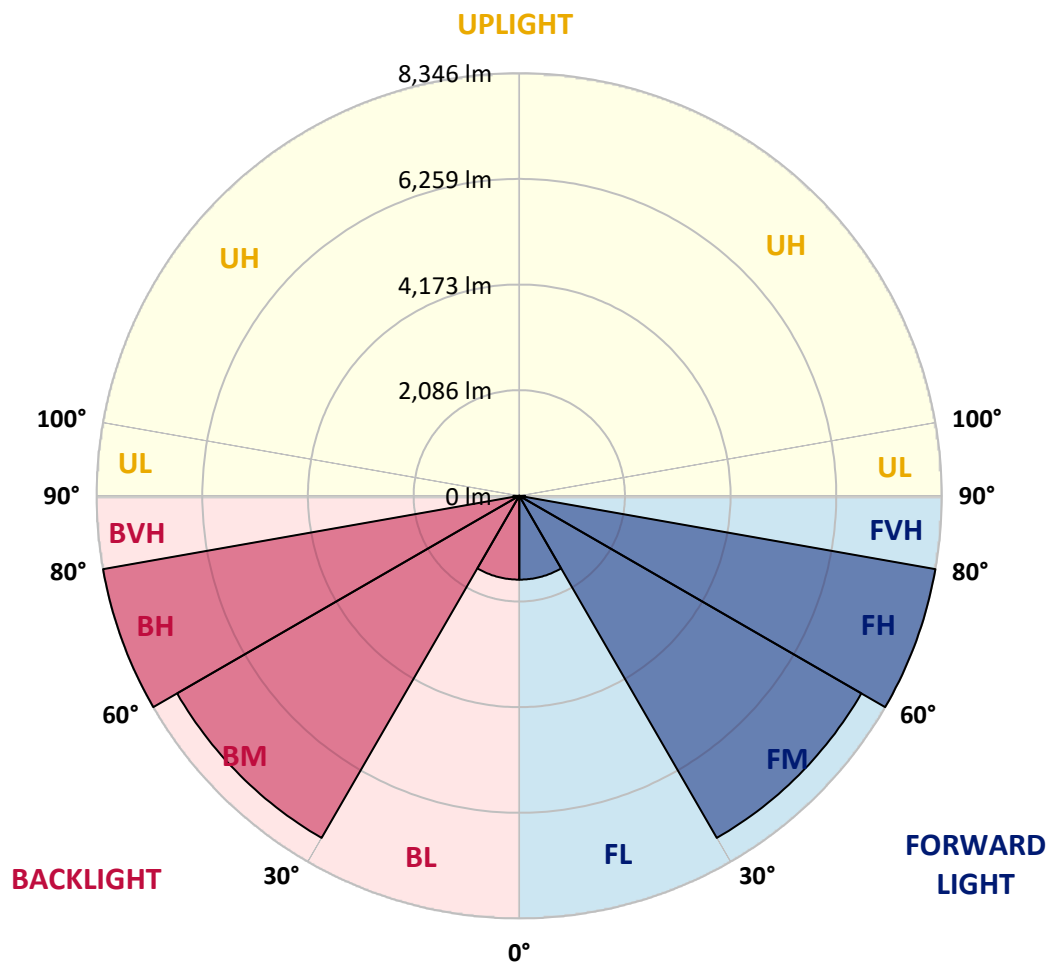
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1655.9	4.6			
FM	(30°-60°)	7801.9	21.8			
FH	(60°-80°)	8345.9	23.3			G4/12000
FVH	(80°-90°)	115.9	0.3			G2/225
BL	(0°-30°)	1655.9	4.6	B3/2500		
BM	(30°-60°)	7801.9	21.8	B4/8500		
BH	(60°-80°)	8345.9	23.3	B5		G4/12000
BVH	(80°-90°)	115.9	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3914.2	3914.2	3914.2	3914.2	3914.2	3914.2	3914.2	3914.2	3914.2	3914.2	3914.2
2.5°	3908.2	3904.7	3913.0	3911.8	3904.7	3905.9	3905.9	3909.4	3909.4	3907.1	3907.1
5°	3894.0	3891.6	3901.1	3901.1	3894.0	3896.4	3898.8	3902.3	3901.1	3898.8	3897.6
7.5°	3876.2	3875.0	3884.5	3884.5	3879.8	3882.2	3879.8	3881.0	3878.6	3876.2	3872.7
10°	3846.6	3848.9	3857.2	3859.6	3859.6	3860.8	3858.4	3852.5	3848.9	3845.4	3841.8
12.5°	3819.3	3818.1	3830.0	3835.9	3845.4	3856.1	3848.9	3832.3	3825.2	3818.1	3815.7
15°	3801.5	3802.7	3814.5	3825.2	3841.8	3864.4	3856.1	3830.0	3815.7	3807.4	3805.1
17.5°	3797.9	3800.3	3815.7	3834.7	3852.5	3877.4	3872.7	3846.6	3822.8	3807.4	3803.9
20°	3806.2	3807.4	3831.1	3858.4	3889.3	3913.0	3902.3	3873.8	3841.8	3818.1	3812.2
22.5°	3821.7	3826.4	3856.1	3898.8	3946.2	3978.2	3965.2	3916.5	3866.7	3837.1	3828.8
25°	3870.3	3871.5	3911.8	3969.9	4026.9	4063.6	4048.2	3979.4	3915.4	3882.2	3871.5
27.5°	3971.1	3974.7	4015.0	4082.6	4131.2	4155.0	4145.5	4089.7	4035.2	3999.6	4003.1
30°	4117.0	4121.7	4166.8	4241.5	4271.2	4277.1	4274.8	4248.7	4198.8	4151.4	4155.0
32.5°	4294.9	4297.3	4357.8	4425.4	4449.1	4453.9	4449.1	4425.4	4366.1	4302.0	4305.6
35°	4523.8	4531.0	4589.1	4654.3	4673.3	4682.8	4674.5	4643.6	4582.0	4519.1	4516.7
37.5°	4806.1	4807.3	4867.8	4935.4	4959.1	4961.5	4952.0	4931.9	4854.8	4797.8	4794.3
40°	5133.5	5138.2	5209.4	5281.8	5291.3	5280.6	5293.6	5281.8	5202.3	5137.1	5147.7
42.5°	5532.0	5542.7	5628.1	5699.3	5672.0	5666.1	5674.4	5677.9	5613.9	5534.4	5527.3
45°	5995.8	6005.3	6112.0	6169.0	6151.2	6112.0	6128.7	6157.1	6068.2	5969.7	5979.2
47.5°	6524.8	6548.5	6662.4	6715.8	6671.9	6618.5	6650.5	6693.2	6588.9	6466.7	6460.8
50°	7113.1	7142.8	7294.6	7369.3	7325.4	7227.0	7280.4	7308.8	7158.2	7000.4	6987.4
52.5°	7740.6	7770.2	7961.2	8115.4	8086.9	7933.9	8008.6	7979.0	7805.8	7593.5	7576.9
55°	8451.1	8462.9	8669.3	8918.4	8946.9	8834.2	8829.4	8780.8	8524.6	8279.1	8267.2
57.5°	9181.7	9190.0	9456.9	9751.0	9885.1	9885.1	9752.2	9649.0	9308.6	9024.0	8994.3
60°	9970.5	10000.1	10295.5	10695.2	11008.3	11100.8	10866.0	10584.9	10214.8	9867.3	9832.9
62.5°	10672.7	10707.1	11159.0	11754.4	12257.3	12594.2	12020.1	11562.2	10888.5	10331.1	10265.8
65°	10761.6	10854.1	11512.4	12590.6	13716.2	14388.8	13288.0	12160.0	10932.4	10157.9	10091.5
67.5°	9828.1	9984.7	10874.3	12552.6	14878.6	16322.1	14098.2	11818.4	10144.8	9288.5	9214.9
70°	7552.0	7779.7	8805.7	10979.9	14678.2	16944.8	13590.5	10346.5	8458.2	7536.6	7433.4
72.5°	4143.1	4236.8	5159.6	7518.8	11767.4	14399.4	11335.7	7650.4	5609.1	4564.2	4391.0
75°	1314.2	1347.4	1817.1	3076.8	6656.5	9537.5	7200.9	3755.2	2067.4	1524.2	1506.4
77.5°	583.6	587.1	657.1	897.9	2292.8	4832.2	2754.2	1022.4	704.6	615.6	635.8
80°	368.9	368.9	406.8	444.8	623.9	1403.2	744.9	486.3	415.1	385.5	393.8
82.5°	176.7	195.7	264.5	284.7	342.8	472.1	381.9	317.9	277.6	206.4	192.2
85°	116.2	97.3	167.2	188.6	199.3	226.5	221.8	209.9	181.5	103.2	115.1
87.5°	52.2	49.8	86.6	79.5	74.7	56.9	85.4	105.6	102.0	51.0	51.0
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)