

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: P528614

Luminaire Tested: **GLAN-SA3D-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17396 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

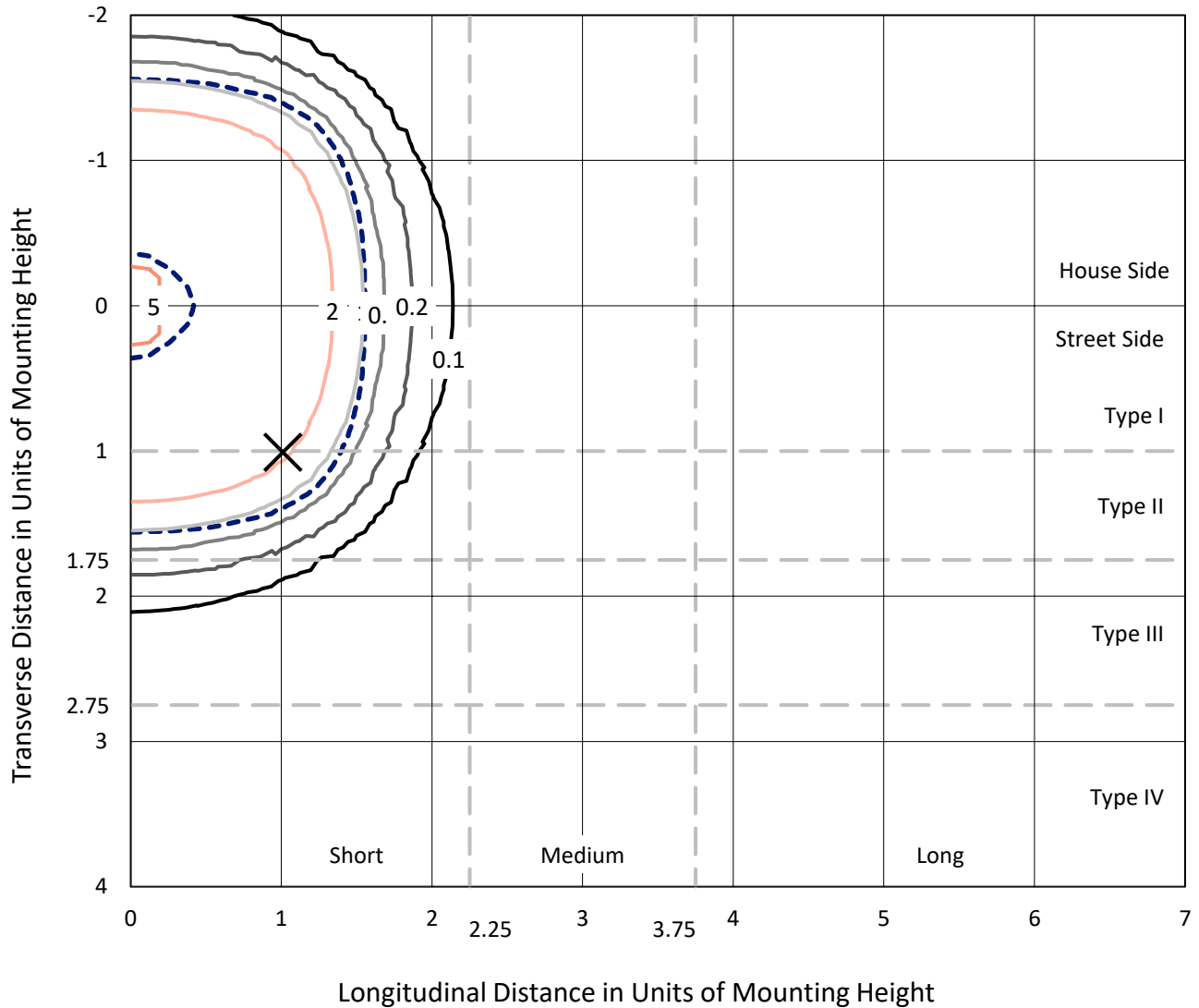
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

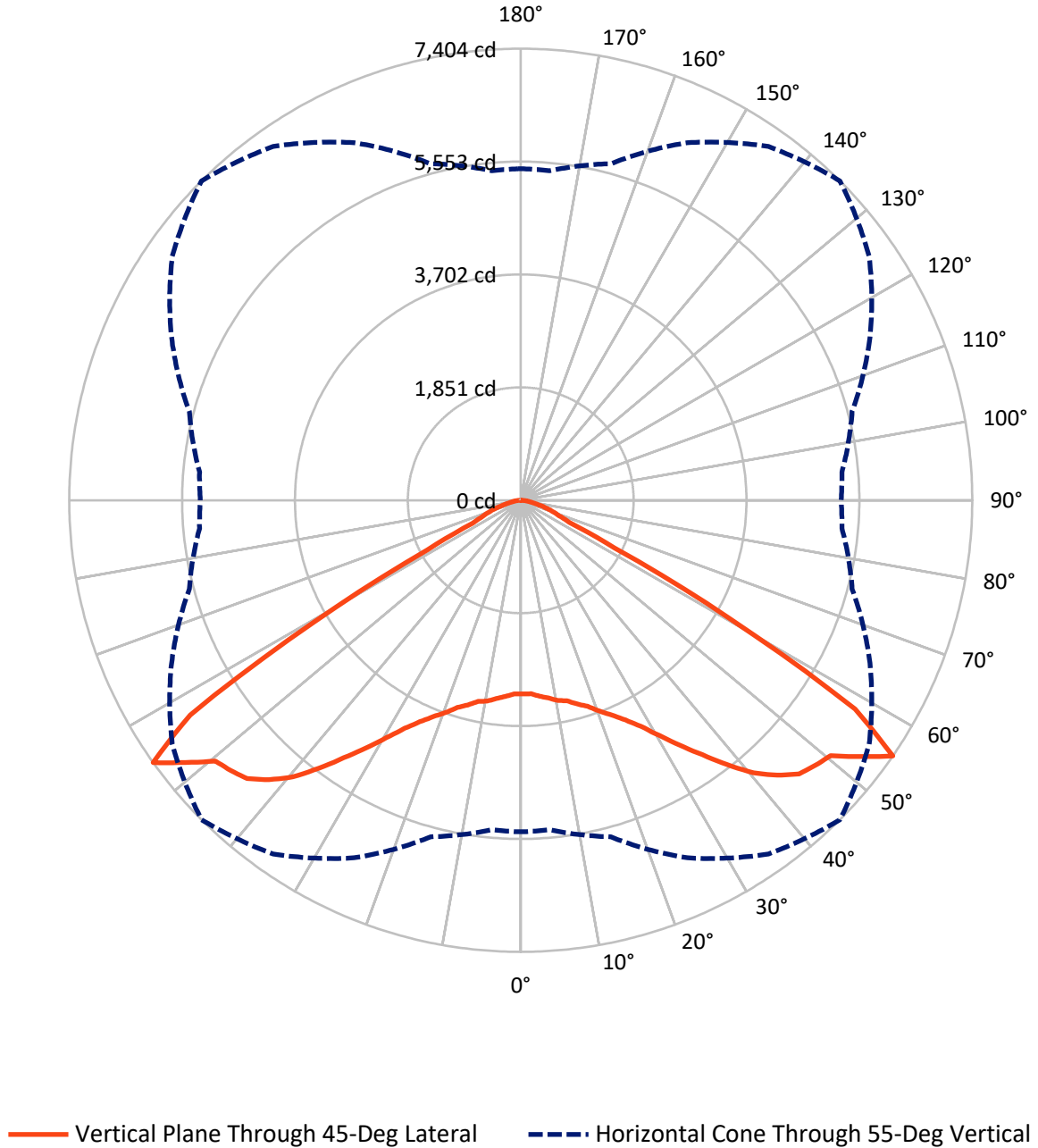
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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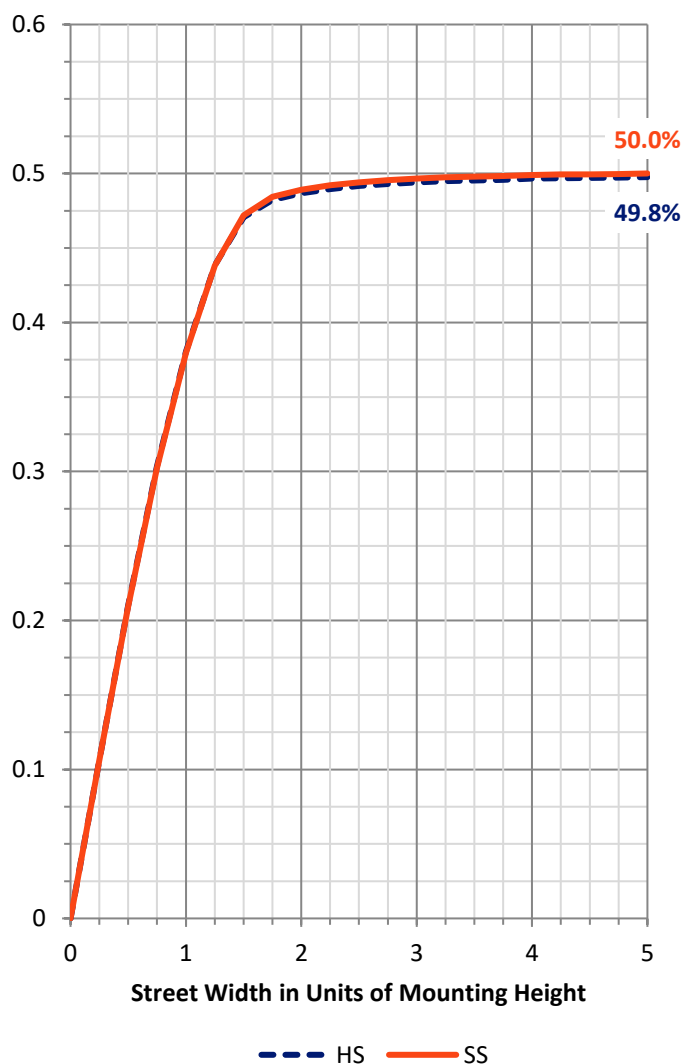
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8698.0	0.0	8698.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8698.0	0.0	8698.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17396.0	0.0	17396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.3	1.8
10°-20°	983.2	5.7
20°-30°	1833.3	10.5
30°-40°	3069.5	17.6
40°-50°	4776.4	27.5
50°-60°	4959.4	28.5
60°-70°	1051.7	6.0
70°-80°	346.4	2.0
80°-90°	66.0	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°	17396.0	100.0
0°-180°	17396.0	100.0

Coefficient of Utilization

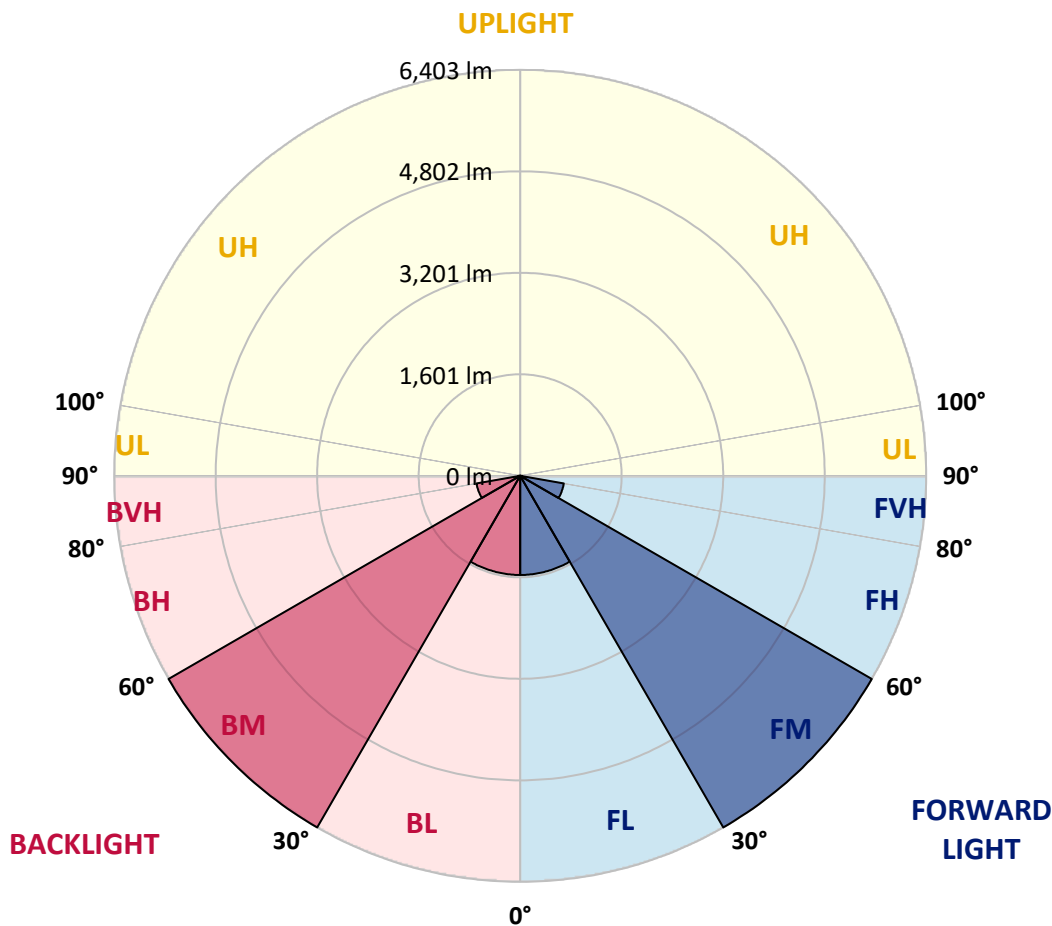


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1563.4	9.0			
FM (30°-60°)	6402.6	36.8			
FH (60°-80°)	699.0	4.0			G1/1800
FVH (80°-90°)	33.0	0.2			G1/100
BL (0°-30°)	1563.4	9.0	B3/2500		
BM (30°-60°)	6402.6	36.8	B4/8500		
BH (60°-80°)	699.0	4.0	B2/1000		G1/1800
BVH (80°-90°)	33.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3176.3	3176.3	3176.3	3176.3	3176.3	3176.3	3176.3	3176.3	3176.3	3176.3	3176.3
2.5°	3214.1	3199.4	3174.1	3193.1	3207.8	3176.3	3188.9	3195.2	3191.0	3174.1	3180.5
5°	3260.3	3251.9	3230.9	3245.6	3226.7	3226.7	3214.1	3197.3	3222.5	3218.3	3228.8
7.5°	3260.3	3249.8	3291.9	3264.5	3272.9	3272.9	3251.9	3235.1	3247.7	3228.8	3218.3
10°	3325.5	3340.2	3321.3	3327.6	3323.4	3338.1	3306.6	3296.1	3285.6	3279.3	3266.6
12.5°	3403.3	3392.8	3399.1	3394.9	3409.6	3371.7	3352.8	3329.7	3348.6	3321.3	3340.2
15°	3466.3	3460.0	3466.3	3483.2	3468.4	3466.3	3432.7	3409.6	3380.2	3386.5	3357.0
17.5°	3552.5	3546.2	3548.3	3563.0	3560.9	3550.4	3525.2	3481.1	3470.5	3453.7	3434.8
20°	3680.8	3670.2	3666.0	3672.3	3682.9	3691.3	3640.8	3624.0	3588.3	3560.9	3529.4
22.5°	3790.1	3785.9	3802.7	3775.3	3798.5	3823.7	3775.3	3766.9	3678.6	3663.9	3630.3
25°	3941.4	3935.1	3924.6	3964.5	3991.9	3989.8	3943.5	3897.3	3830.0	3813.2	3813.2
27.5°	4101.2	4065.4	4120.1	4130.6	4178.9	4193.7	4153.7	4086.5	4023.4	3987.7	3996.1
30°	4300.9	4267.2	4279.8	4355.5	4418.6	4473.2	4372.3	4273.5	4185.3	4122.2	4111.7
32.5°	4500.6	4466.9	4504.8	4578.3	4704.5	4786.4	4687.6	4515.3	4412.3	4319.8	4338.7
35°	4662.4	4687.6	4748.6	4860.0	4990.3	5122.8	4965.1	4832.7	4685.5	4582.5	4597.3
37.5°	4923.1	5000.9	5049.2	5177.4	5362.4	5499.1	5335.1	5162.7	5005.1	4870.5	4824.3
40°	5263.6	5316.2	5370.8	5522.2	5740.8	5877.4	5721.9	5497.0	5341.4	5202.7	5196.4
42.5°	5637.8	5688.2	5745.0	5930.0	6060.3	6163.3	6020.4	5900.6	5728.2	5618.9	5612.6
45°	6072.9	6037.2	6100.3	6222.2	6331.5	6398.7	6306.3	6247.4	6123.4	6022.5	6012.0
47.5°	6363.0	6331.5	6445.0	6554.3	6571.1	6497.5	6516.5	6571.1	6440.8	6274.7	6327.3
50°	6531.2	6531.2	6606.9	6707.8	6676.2	6581.6	6730.9	6735.1	6604.8	6457.6	6457.6
52.5°	6239.0	6304.2	6518.6	6848.6	6953.7	6981.0	6947.4	6804.4	6463.9	6163.3	6148.6
55°	5436.0	5421.3	5711.4	6468.1	7079.8	7403.5	6974.7	6316.8	5625.2	5286.7	5253.1
57.5°	3535.7	3552.5	3985.6	4757.0	5860.6	6463.9	5740.8	4815.9	3985.6	3518.9	3563.0
60°	1591.3	1648.0	1910.8	2486.8	3434.8	3926.7	3443.2	2612.9	2005.4	1740.5	1763.6
62.5°	914.4	924.9	935.4	1109.9	1463.1	1730.0	1519.8	1173.0	1034.2	988.0	988.0
65°	771.5	765.2	767.3	782.0	819.8	874.5	851.3	819.8	824.0	819.8	813.5
67.5°	655.9	664.3	658.0	668.5	670.6	679.0	693.7	706.3	708.4	712.6	708.4
70°	538.1	540.2	544.4	552.8	555.0	561.3	582.3	592.8	599.1	599.1	607.5
72.5°	412.0	409.9	414.1	422.5	433.0	435.1	454.1	468.8	477.2	466.7	468.8
75°	271.2	273.3	279.6	285.9	300.6	315.3	321.6	336.3	338.4	342.6	332.1
77.5°	161.9	166.1	172.4	185.0	197.6	210.2	224.9	235.4	239.6	235.4	222.8
80°	105.1	105.1	113.5	124.0	138.7	149.2	157.7	166.1	172.4	166.1	161.9
82.5°	65.2	65.2	75.7	88.3	98.8	105.1	117.7	128.2	134.5	130.3	124.0
85°	33.6	35.7	44.1	54.7	63.1	67.3	65.2	58.9	52.6	50.5	46.2
87.5°	10.5	10.5	12.6	12.6	10.5	10.5	12.6	10.5	12.6	12.6	12.6
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)