

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: P316817

Luminaire Tested: **GAN-SA3D-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316817  
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-SA3D-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24436 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

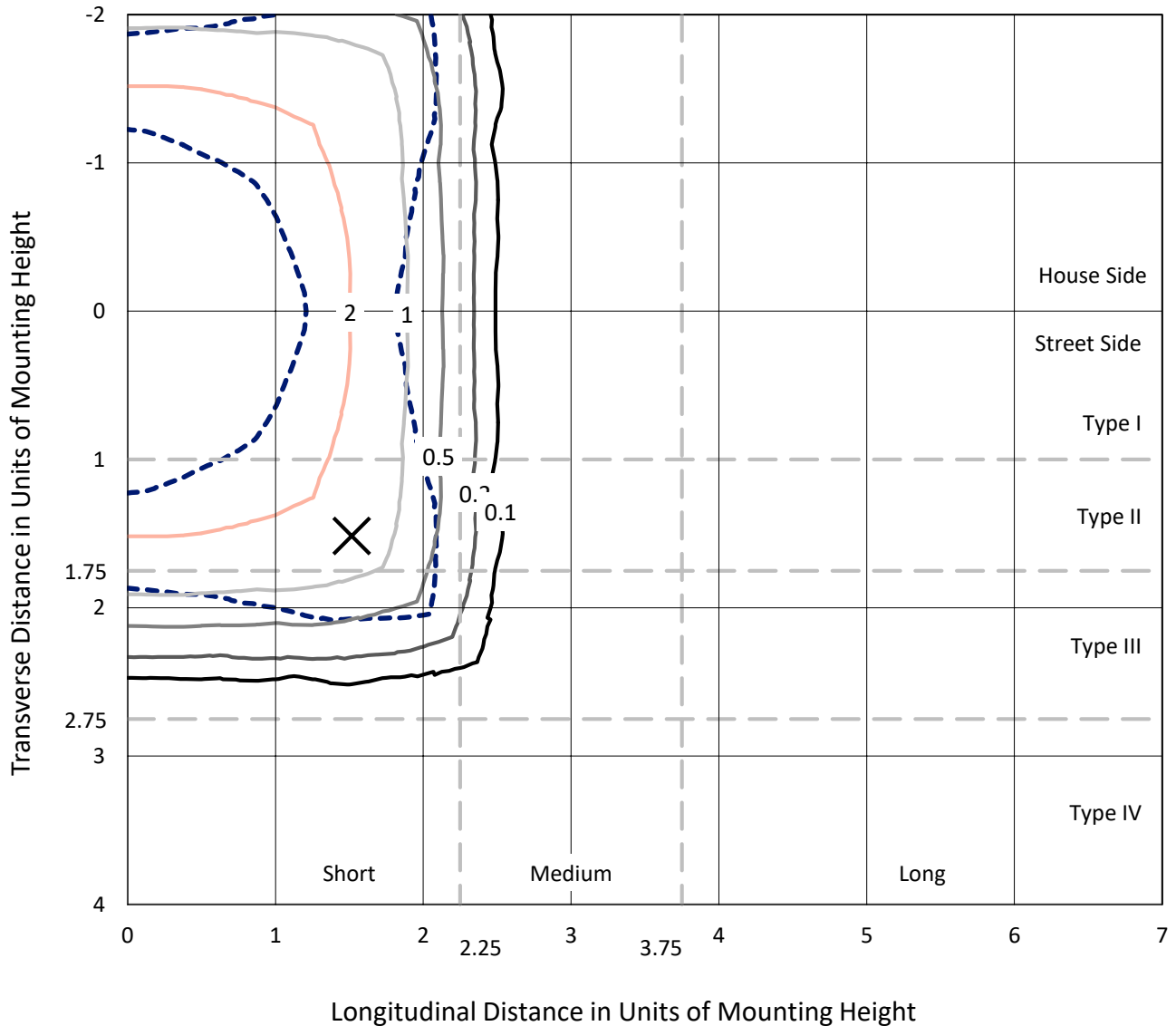
Input Watts (W): 191  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

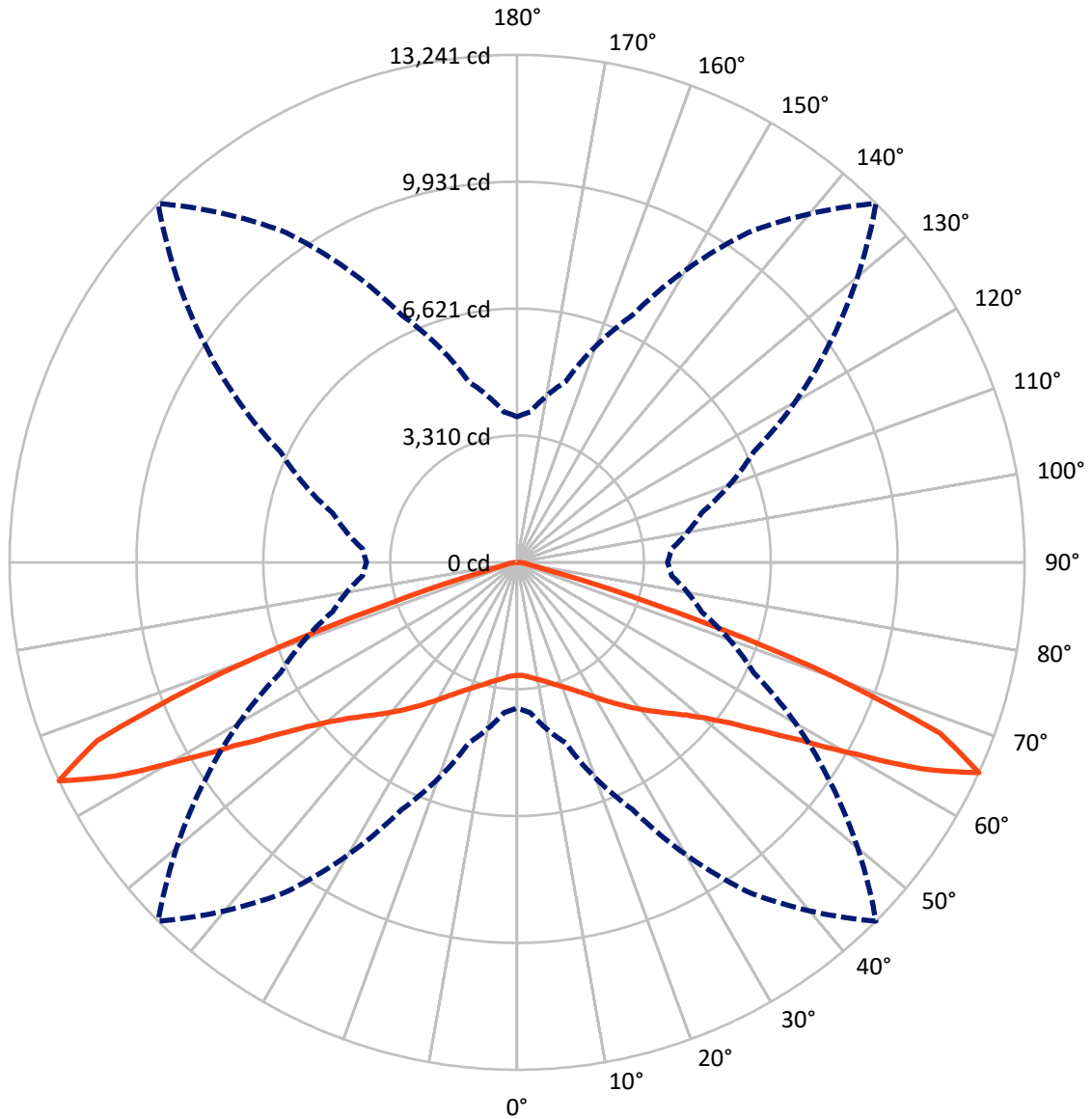
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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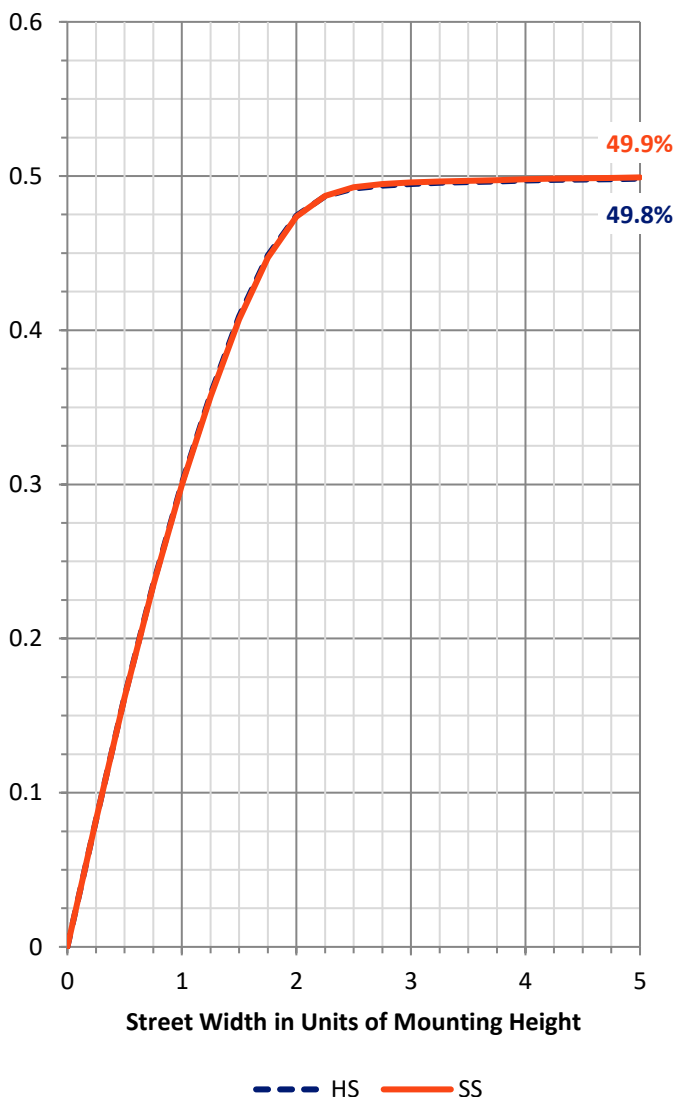
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12218.0	0.0	12218.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12218.0	0.0	12218.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24436.0	0.0	24436.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.5	1.2
10°-20°	930.6	3.8
20°-30°	1746.0	7.1
30°-40°	2887.6	11.8
40°-50°	4472.5	18.3
50°-60°	6859.5	28.1
60°-70°	6400.7	26.2
70°-80°	744.9	3.0
80°-90°	104.7	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°	24436.0	100.0
0°-180°	24436.0	100.0

**Coefficient of Utilization**



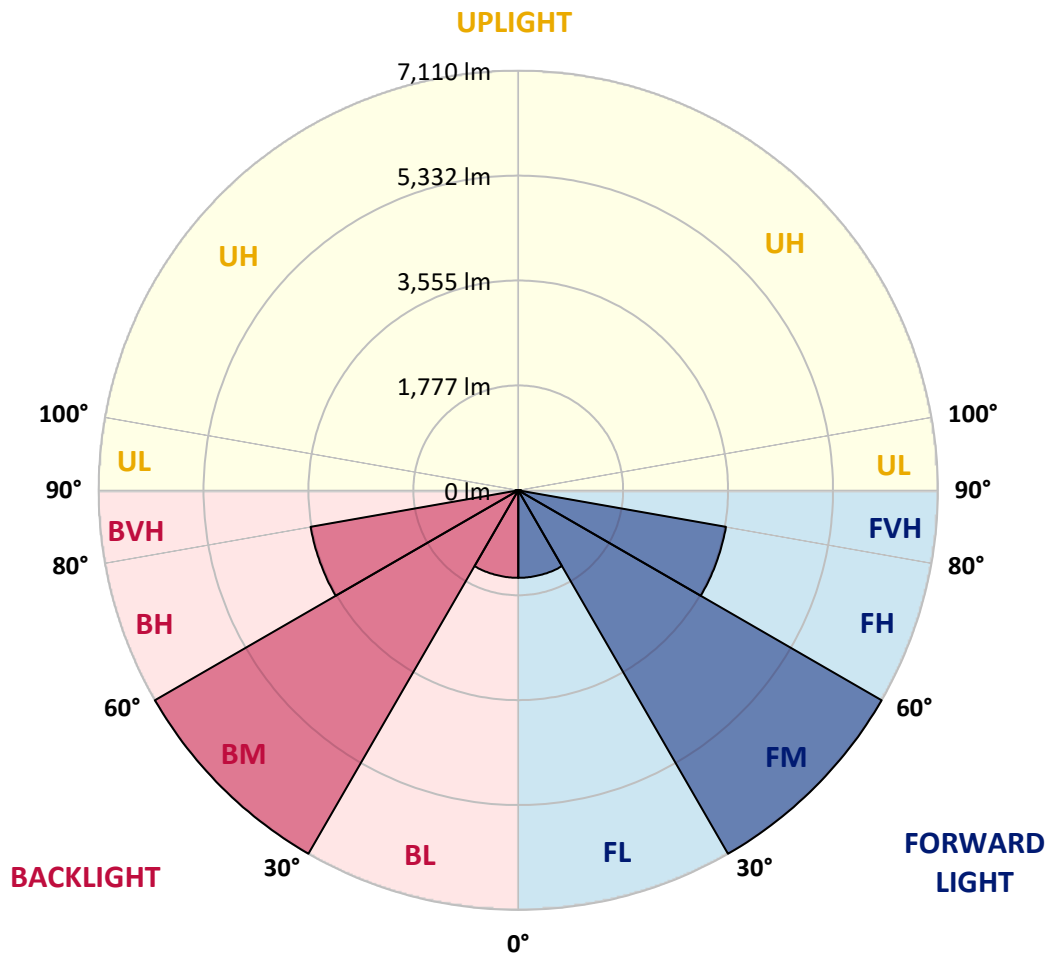
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1483.1	6.1			
FM (30°-60°)	7109.8	29.1			
FH (60°-80°)	3572.8	14.6			G2/5000
FVH (80°-90°)	52.3	0.2			G1/100
BL (0°-30°)	1483.1	6.1	B3/2500		
BM (30°-60°)	7109.8	29.1	B4/8500		
BH (60°-80°)	3572.8	14.6	B4/5000		G2/5000
BVH (80°-90°)	52.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0
2.5°	2960.7	2959.1	2960.7	2961.5	2956.6	2959.1	2958.3	2962.3	2963.9	2962.3	2962.3
5°	2994.8	2992.3	2995.6	2999.6	2993.1	2994.8	2992.3	2997.2	2998.8	2995.6	2998.0
7.5°	3041.8	3042.6	3045.9	3053.2	3049.1	3052.3	3047.5	3048.3	3047.5	3042.6	3043.4
10°	3092.9	3093.7	3099.4	3109.1	3110.8	3110.8	3107.5	3105.1	3101.8	3098.6	3099.4
12.5°	3154.6	3158.6	3162.7	3174.8	3174.8	3181.3	3179.7	3173.2	3167.5	3162.7	3162.7
15°	3238.1	3237.3	3242.2	3254.3	3260.0	3270.5	3270.5	3261.6	3254.3	3249.5	3247.8
17.5°	3325.7	3328.1	3331.4	3346.0	3354.9	3367.1	3368.7	3361.4	3356.5	3350.0	3346.0
20°	3427.9	3432.0	3444.9	3450.6	3458.7	3470.1	3474.1	3472.5	3467.7	3464.4	3465.2
22.5°	3547.2	3557.7	3565.8	3573.9	3583.7	3591.8	3595.8	3601.5	3596.6	3594.2	3592.6
25°	3691.5	3698.8	3715.1	3729.7	3736.1	3738.6	3743.4	3751.6	3750.7	3745.1	3745.1
27.5°	3855.4	3869.2	3889.5	3910.5	3910.5	3902.4	3918.7	3932.4	3927.6	3920.3	3910.5
30°	4054.1	4067.1	4090.6	4119.8	4105.2	4099.5	4121.4	4146.6	4139.3	4127.1	4125.5
32.5°	4268.3	4280.4	4311.3	4342.9	4324.2	4316.1	4339.6	4376.1	4363.2	4338.8	4324.2
35°	4500.2	4512.4	4556.2	4594.3	4562.7	4548.9	4568.4	4608.1	4585.4	4540.0	4528.6
37.5°	4752.5	4759.0	4815.8	4854.7	4832.8	4796.3	4820.7	4849.9	4830.4	4775.2	4753.3
40°	5014.5	5038.0	5103.7	5149.2	5111.0	5053.5	5094.0	5134.6	5105.4	5034.8	4997.5
42.5°	5320.3	5338.2	5425.8	5466.3	5404.7	5323.6	5378.7	5433.9	5404.7	5336.5	5304.1
45°	5638.3	5665.9	5770.5	5811.1	5721.8	5618.8	5686.1	5782.7	5780.2	5682.1	5648.0
47.5°	5984.6	6012.2	6137.1	6190.7	6094.2	5956.3	6051.2	6187.4	6177.7	6069.8	6042.2
50°	6384.5	6413.7	6569.5	6636.8	6546.8	6386.2	6528.9	6649.0	6631.1	6498.1	6500.5
52.5°	6886.6	6885.0	7078.9	7195.7	7103.2	6961.3	7092.7	7209.5	7135.7	6951.5	6945.9
55°	7326.3	7353.1	7593.2	7814.6	7808.9	7754.6	7807.3	7812.2	7601.3	7356.3	7326.3
57.5°	7615.1	7666.2	8004.4	8405.1	8705.2	8777.4	8675.2	8365.4	7871.4	7479.6	7431.7
60°	7437.4	7515.3	8046.6	8863.4	9747.6	10171.8	9595.1	8633.9	7661.3	7115.4	7050.5
62.5°	6238.5	6369.9	7147.8	8642.0	10644.7	11884.9	10261.8	8203.1	6825.8	6073.9	5962.7
65°	3799.4	3938.1	4875.8	7113.0	10499.5	13241.2	9957.7	6808.8	4982.1	4046.8	3926.8
67.5°	1266.2	1306.8	1859.2	3931.6	8251.8	11897.1	8265.6	4076.0	2168.2	1437.4	1395.2
70°	495.6	499.7	589.7	1139.7	3896.8	8171.5	4299.9	1159.9	616.5	487.5	498.0
72.5°	364.2	365.8	391.0	476.1	1015.6	3599.9	1052.1	478.6	380.4	341.5	341.5
75°	292.8	292.8	310.7	347.2	455.1	825.7	461.5	343.1	297.7	272.5	269.3
77.5°	231.2	236.0	249.8	273.4	308.2	397.5	319.6	271.7	240.1	216.6	211.7
80°	172.0	176.8	199.5	210.9	221.4	275.8	236.0	212.5	189.8	162.2	157.4
82.5°	112.7	117.6	146.0	152.5	150.1	180.1	159.0	156.6	139.5	104.6	99.8
85°	73.8	75.4	97.3	101.4	93.3	81.9	101.4	107.1	97.3	68.1	65.7
87.5°	34.9	34.9	49.5	46.2	42.2	34.1	46.2	54.3	55.2	33.3	32.4
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)