

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: P316177

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316177  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3D-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24951 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

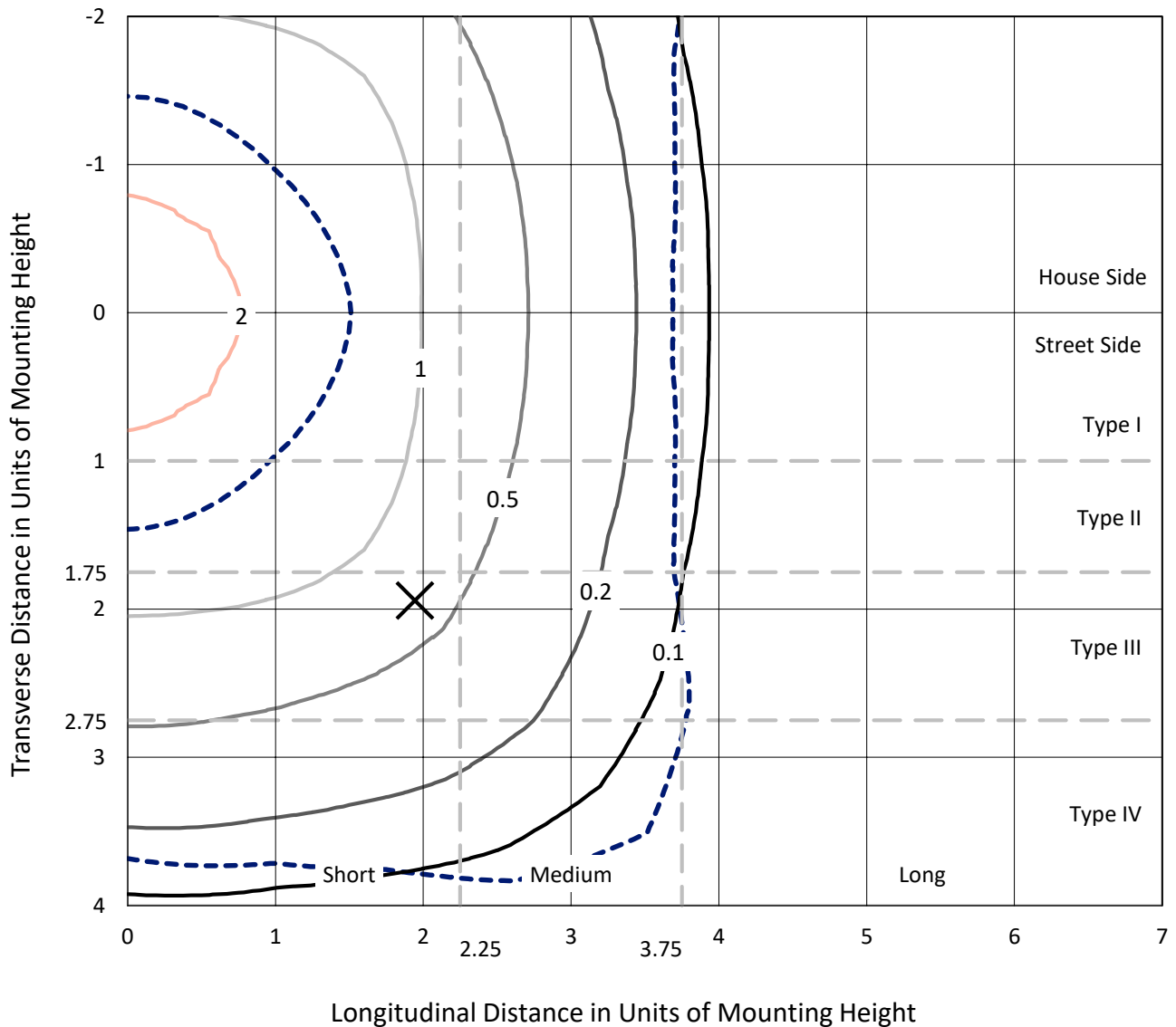
Input Watts (W): 191  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

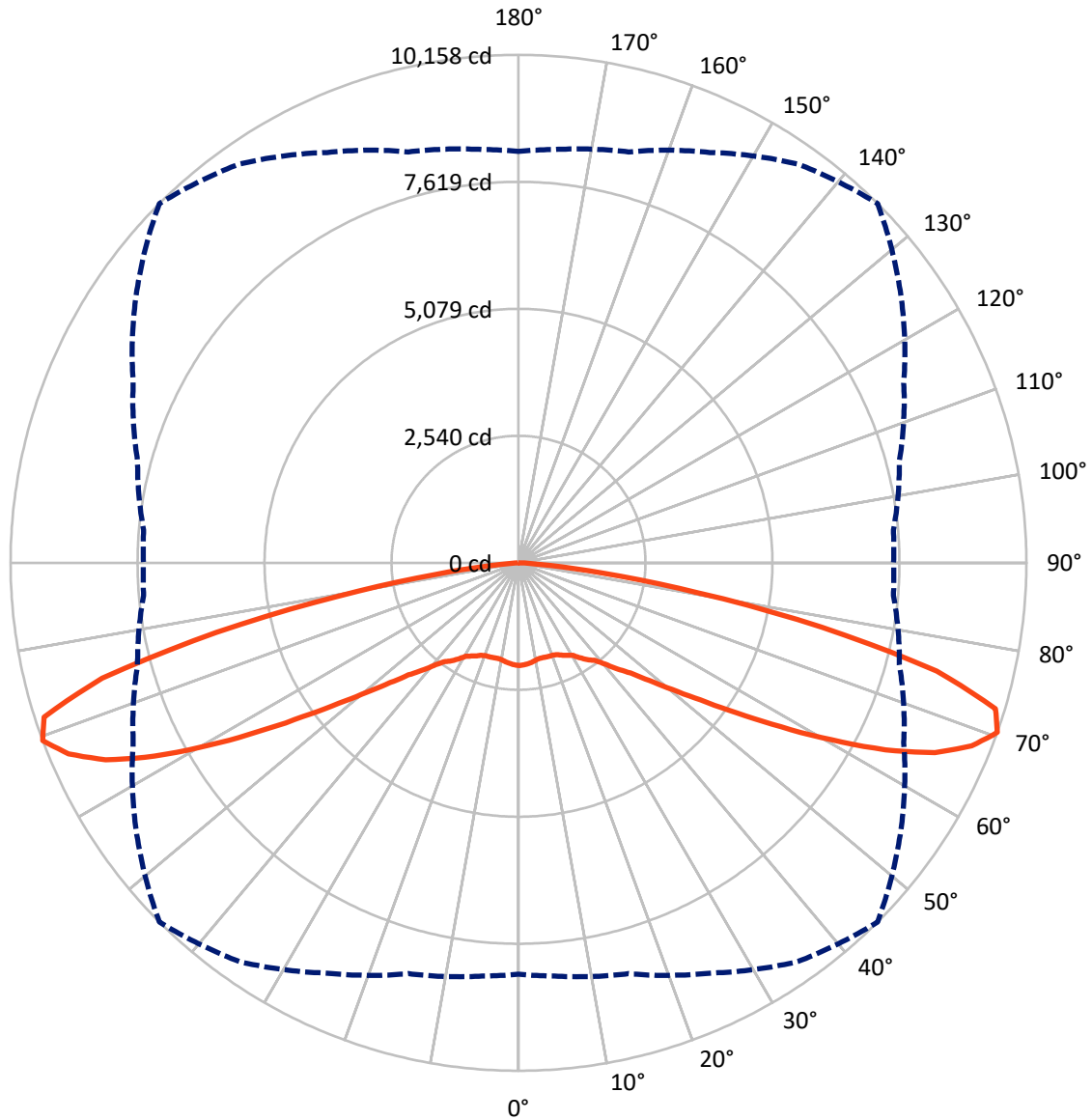
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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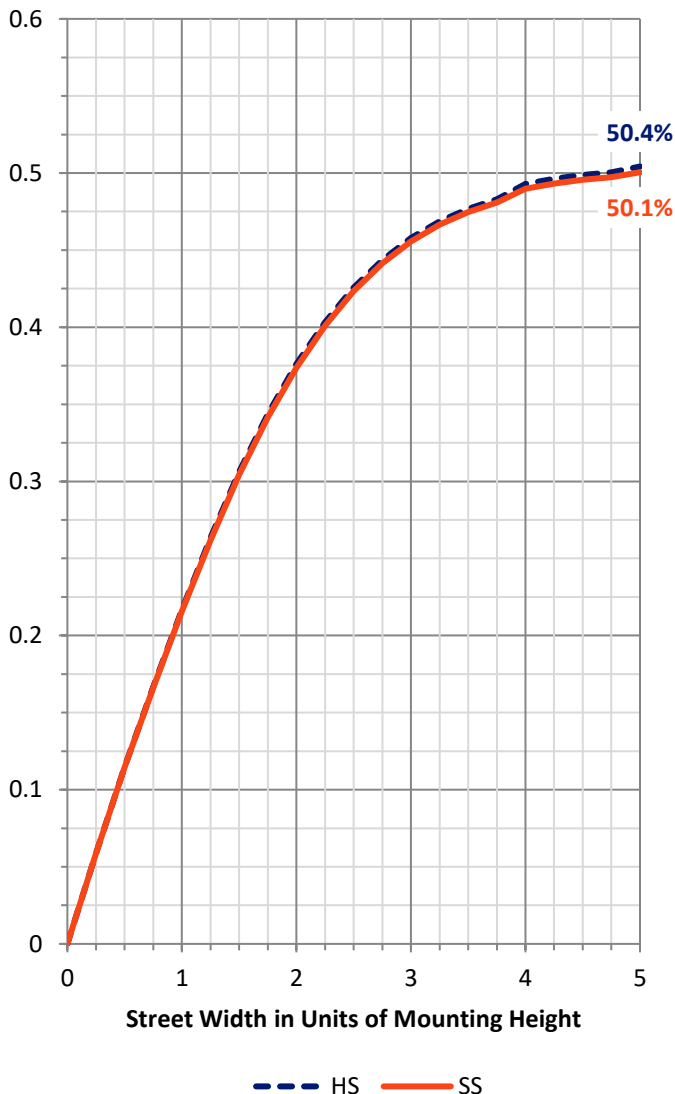
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12475.5	0.0	12475.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12475.5	0.0	12475.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24951.0	0.0	24951.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.7	0.8
10°-20°	559.8	2.2
20°-30°	954.5	3.8
30°-40°	1491.4	6.0
40°-50°	2527.6	10.1
50°-60°	4609.4	18.5
60°-70°	7935.3	31.8
70°-80°	6220.0	24.9
80°-90°	461.2	1.8
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°	24951.0	100.0
0°-180°	24951.0	100.0



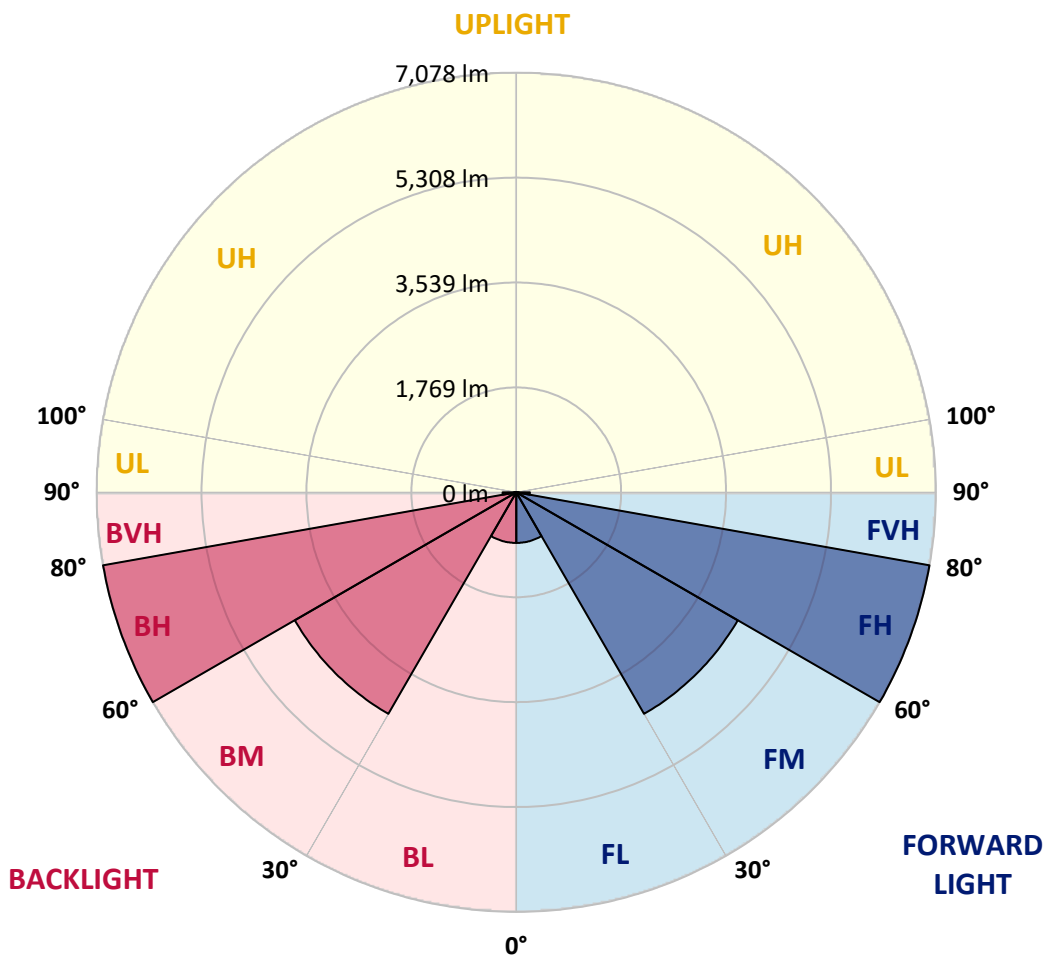
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.0	3.4			
FM (30°-60°)	4314.2	17.3			
FH (60°-80°)	7077.7	28.4			G3/7500
FVH (80°-90°)	230.6	0.9			G3/500
BL (0°-30°)	853.0	3.4	B2/1000		
BM (30°-60°)	4314.2	17.3	B3/5000		
BH (60°-80°)	7077.7	28.4	B5		G3/7500
BVH (80°-90°)	230.6	0.9			G3/500
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°	2053.5	2053.5	2053.5	2053.5	2053.5	2053.5	2053.5	2053.5	2053.5	2053.5	2053.5
2.5°	2044.4	2046.9	2044.4	2046.0	2041.9	2043.6	2043.6	2043.6	2042.7	2043.6	2041.9
5°	2026.2	2027.9	2024.6	2026.2	2023.8	2026.2	2027.1	2026.2	2024.6	2025.4	2022.1
7.5°	1999.0	2000.6	1998.2	2000.6	1997.3	2001.5	2000.6	1998.2	1995.7	1995.7	1992.4
10°	1984.1	1985.0	1978.4	1975.9	1968.5	1970.1	1972.6	1975.1	1977.5	1982.5	1981.7
12.5°	1985.0	1985.0	1975.1	1964.3	1953.6	1956.1	1960.2	1969.3	1979.2	1988.3	1989.1
15°	1993.2	1992.4	1977.5	1960.2	1952.8	1960.2	1962.7	1968.5	1984.1	1999.8	2000.6
17.5°	1999.0	1999.0	1975.9	1956.1	1955.3	1966.8	1966.0	1968.5	1985.8	2008.9	2009.7
20°	2009.7	2009.7	1980.0	1958.6	1958.6	1970.9	1971.8	1975.9	1993.2	2018.8	2022.9
22.5°	2033.7	2034.5	2003.1	1985.8	1987.4	1994.9	1997.3	2003.9	2019.6	2047.7	2052.6
25°	2067.5	2069.2	2037.0	2027.1	2032.8	2046.9	2045.2	2050.2	2067.5	2094.7	2099.7
27.5°	2114.5	2110.4	2080.7	2076.6	2082.4	2092.3	2091.4	2092.3	2106.3	2131.1	2136.8
30°	2175.6	2174.0	2152.5	2155.0	2152.5	2149.2	2150.0	2156.6	2164.1	2183.9	2189.7
32.5°	2235.0	2236.7	2223.5	2235.9	2254.0	2266.4	2247.4	2229.3	2221.0	2231.7	2236.7
35°	2342.3	2346.5	2325.8	2317.6	2342.3	2378.7	2325.0	2295.3	2311.8	2325.8	2330.0
37.5°	2524.7	2527.2	2492.6	2459.5	2441.4	2476.0	2422.4	2424.9	2482.7	2509.1	2508.2
40°	2732.7	2733.6	2710.4	2681.6	2650.2	2658.5	2637.0	2643.6	2681.6	2705.5	2712.1
42.5°	2980.3	2977.9	2941.5	2900.3	2891.2	2899.5	2863.1	2858.2	2901.9	2944.8	2945.7
45°	3301.4	3295.6	3248.6	3203.2	3159.4	3141.3	3132.2	3156.1	3216.4	3256.0	3256.8
47.5°	3647.2	3631.5	3606.8	3570.5	3532.5	3514.3	3499.5	3511.0	3554.8	3570.5	3572.1
50°	4002.9	4006.2	4011.2	3997.2	3983.1	3977.4	3938.6	3916.3	3929.5	3900.6	3896.5
52.5°	4424.7	4431.3	4479.2	4519.6	4543.6	4555.9	4482.5	4405.7	4362.8	4306.7	4290.2
55°	4922.4	4933.1	5003.3	5115.5	5231.1	5292.1	5159.3	5015.7	4882.8	4778.0	4744.1
57.5°	5477.0	5496.0	5592.6	5808.0	6044.9	6189.3	5964.8	5704.0	5447.3	5296.3	5269.9
60°	6127.4	6145.6	6279.3	6587.9	6971.7	7188.8	6848.8	6422.0	6102.6	5958.2	5909.5
62.5°	6901.6	6903.2	7067.5	7428.1	7934.9	8237.0	7776.4	7206.1	6876.8	6702.7	6655.6
65°	7734.4	7738.5	7908.5	8298.1	8822.2	9150.7	8630.7	8036.4	7633.7	7377.0	7340.7
67.5°	8322.8	8340.2	8519.3	8988.1	9478.3	9774.6	9236.5	8564.7	8099.2	7793.0	7762.4
70°	8228.7	8296.4	8506.9	9054.1	9735.8	10158.4	9334.7	8501.9	7887.9	7526.4	7500.8
72.5°	7176.4	7306.0	7586.6	8304.7	9395.0	9976.8	8799.1	7614.7	6919.7	6611.9	6565.7
75°	4886.9	5097.4	5520.8	6556.6	8026.5	8638.1	7407.5	6071.3	5417.6	4991.7	4960.4
77.5°	2178.9	2226.8	2763.3	3955.9	5538.9	6203.3	5382.1	3971.6	2981.2	2377.8	2250.7
80°	607.5	614.9	820.4	1473.2	2772.4	3644.7	2976.2	1547.5	869.9	613.2	577.7
82.5°	193.1	209.6	255.9	382.1	931.8	1663.1	956.6	412.7	293.8	234.4	211.3
85°	94.1	93.3	129.6	155.2	237.7	368.1	253.4	191.5	167.5	111.4	100.7
87.5°	39.6	40.4	60.3	54.5	69.3	59.4	81.7	85.8	90.0	49.5	42.9
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)