

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: P316215

Luminaire Tested: **GAN-SA1D-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316215
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-SA1D-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8557 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

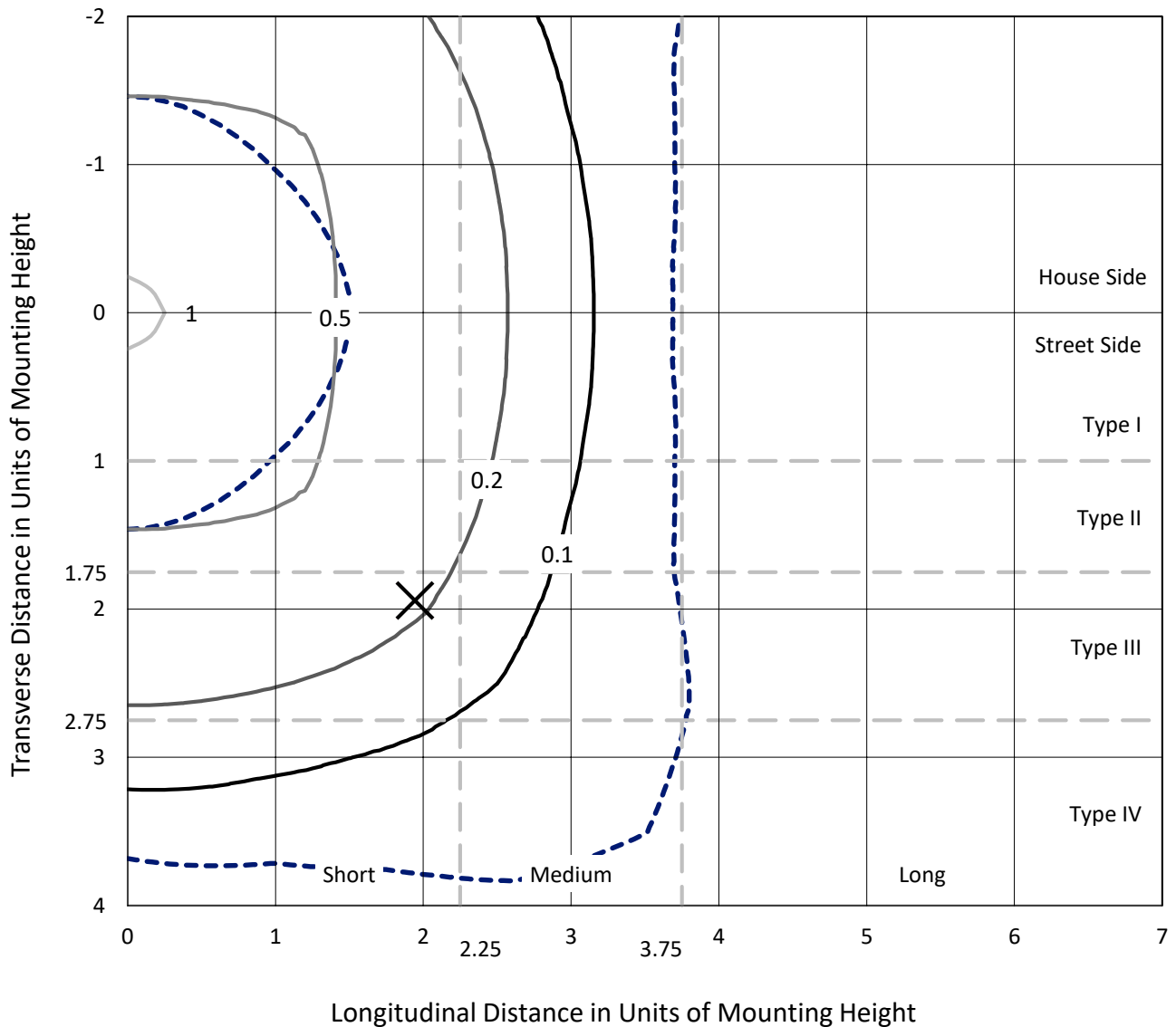
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

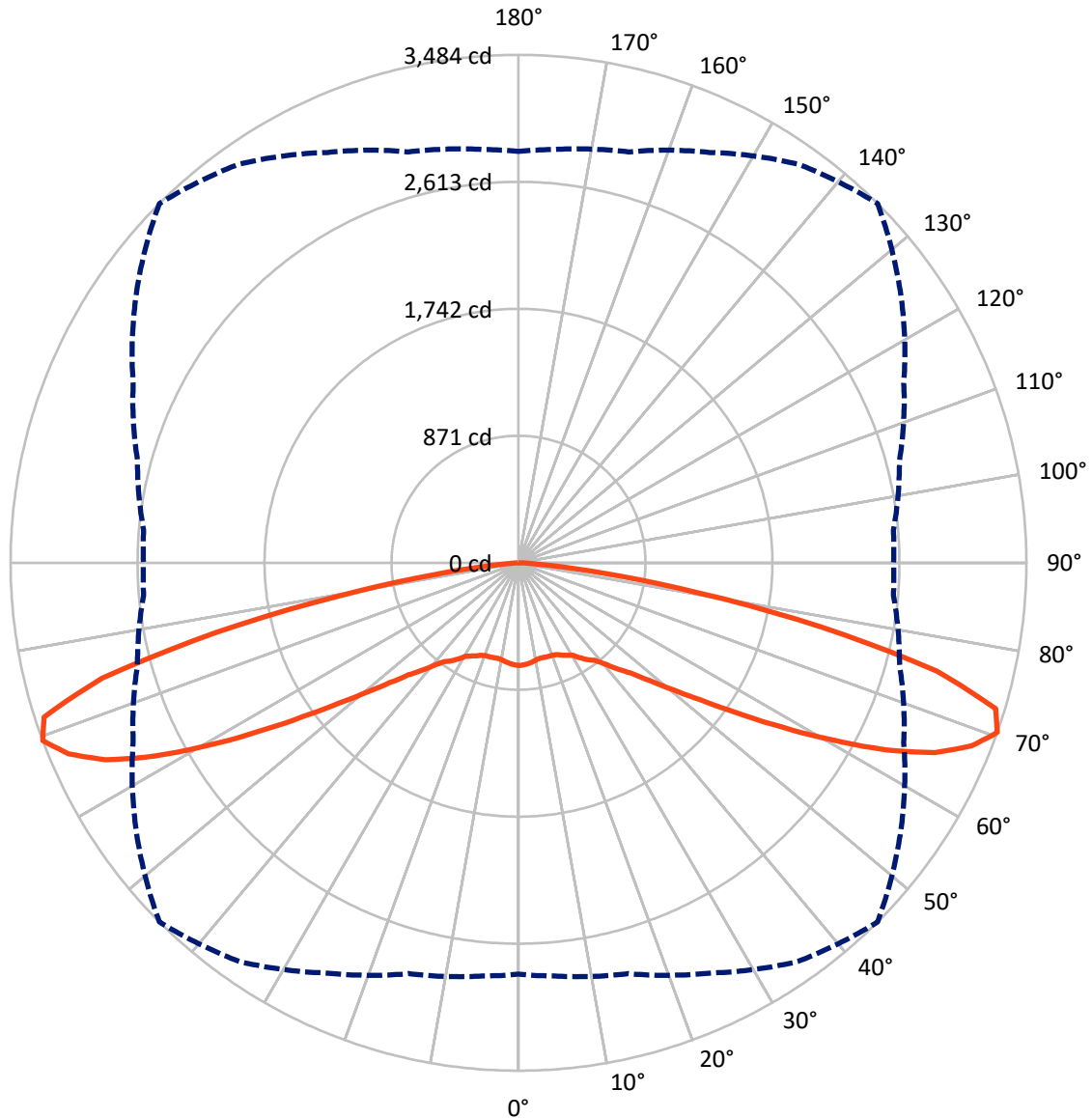
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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
House Side	Lumens	4278.5	0.0	4278.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4278.5	0.0	4278.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8557.0	0.0	8557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	0.8
10°-20°	192.0	2.2
20°-30°	327.4	3.8
30°-40°	511.5	6.0
40°-50°	866.9	10.1
50°-60°	1580.8	18.5
60°-70°	2721.4	31.8
70°-80°	2133.2	24.9
80°-90°	158.2	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°	8557.0	100.0
0°-180°	8557.0	100.0

Coefficient of Utilization



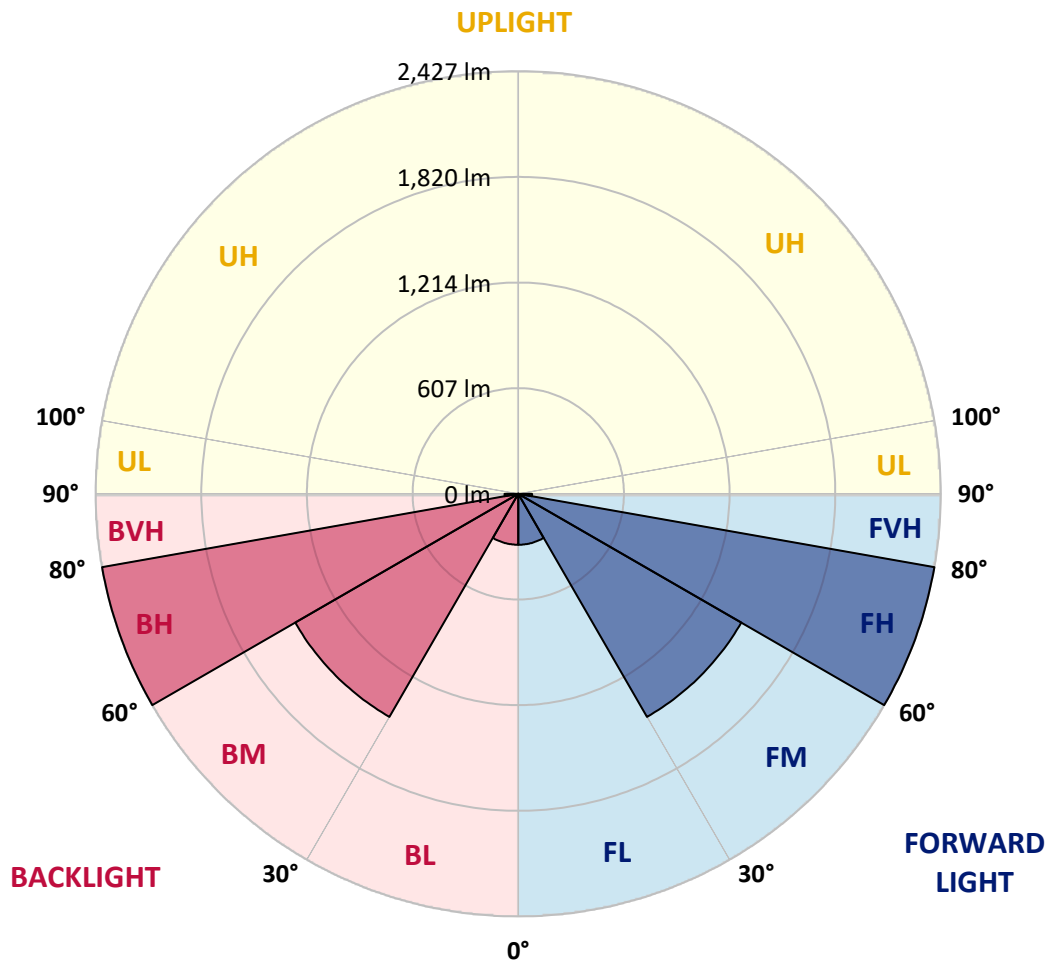
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.5	3.4			
FM (30°-60°)	1479.6	17.3			
FH (60°-80°)	2427.3	28.4			G2/5000
FVH (80°-90°)	79.1	0.9			G1/100
BL (0°-30°)	292.5	3.4	B1/500		
BM (30°-60°)	1479.6	17.3	B2/2500		
BH (60°-80°)	2427.3	28.4	B3/2500		G2/5000
BVH (80°-90°)	79.1	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	701.1	702.0	701.1	701.7	700.3	700.8	700.8	700.8	700.6	700.8	700.3
5°	694.9	695.5	694.3	694.9	694.1	694.9	695.2	694.9	694.3	694.6	693.5
7.5°	685.6	686.1	685.3	686.1	685.0	686.4	686.1	685.3	684.4	684.4	683.3
10°	680.5	680.7	678.5	677.6	675.1	675.7	676.5	677.4	678.2	679.9	679.6
12.5°	680.7	680.7	677.4	673.7	670.0	670.8	672.3	675.4	678.8	681.9	682.2
15°	683.6	683.3	678.2	672.3	669.7	672.3	673.1	675.1	680.5	685.8	686.1
17.5°	685.6	685.6	677.6	670.8	670.6	674.5	674.2	675.1	681.0	689.0	689.2
20°	689.2	689.2	679.1	671.7	671.7	675.9	676.2	677.6	683.6	692.4	693.8
22.5°	697.4	697.7	687.0	681.0	681.6	684.1	685.0	687.3	692.6	702.3	704.0
25°	709.1	709.6	698.6	695.2	697.2	702.0	701.4	703.1	709.1	718.4	720.1
27.5°	725.2	723.8	713.6	712.2	714.1	717.5	717.3	717.5	722.4	730.8	732.8
30°	746.1	745.6	738.2	739.1	738.2	737.1	737.4	739.6	742.2	749.0	750.9
32.5°	766.5	767.1	762.6	766.8	773.0	777.3	770.8	764.5	761.7	765.4	767.1
35°	803.3	804.7	797.7	794.8	803.3	815.8	797.4	787.2	792.8	797.7	799.1
37.5°	865.9	866.7	854.8	843.5	837.3	849.2	830.8	831.6	851.4	860.5	860.2
40°	937.2	937.5	929.6	919.6	908.9	911.7	904.4	906.6	919.6	927.9	930.1
42.5°	1022.1	1021.3	1008.8	994.7	991.5	994.4	981.9	980.2	995.2	1009.9	1010.2
45°	1132.2	1130.2	1114.1	1098.5	1083.5	1077.3	1074.2	1082.4	1103.1	1116.7	1116.9
47.5°	1250.8	1245.4	1237.0	1224.5	1211.5	1205.3	1200.2	1204.1	1219.1	1224.5	1225.1
50°	1372.8	1374.0	1375.7	1370.8	1366.0	1364.0	1350.7	1343.1	1347.6	1337.7	1336.3
52.5°	1517.5	1519.7	1536.1	1550.0	1558.2	1562.5	1537.3	1511.0	1496.2	1477.0	1471.3
55°	1688.1	1691.8	1715.9	1754.4	1794.0	1815.0	1769.4	1720.1	1674.6	1638.6	1627.0
57.5°	1878.4	1884.9	1918.0	1991.9	2073.1	2122.6	2045.6	1956.2	1868.2	1816.4	1807.3
60°	2101.4	2107.6	2153.5	2259.3	2391.0	2465.4	2348.8	2202.5	2092.9	2043.4	2026.7
62.5°	2366.9	2367.5	2423.8	2547.5	2721.3	2824.9	2666.9	2471.4	2358.4	2298.7	2282.6
65°	2652.5	2653.9	2712.2	2845.8	3025.6	3138.2	2959.9	2756.1	2618.0	2530.0	2517.5
67.5°	2854.3	2860.3	2921.7	3082.5	3250.6	3352.2	3167.7	2937.3	2777.6	2672.6	2662.1
70°	2822.1	2845.3	2917.5	3105.1	3338.9	3483.8	3201.4	2915.8	2705.2	2581.2	2572.4
72.5°	2461.2	2505.6	2601.8	2848.1	3222.0	3421.6	3017.7	2611.5	2373.1	2267.6	2251.7
75°	1676.0	1748.2	1893.4	2248.6	2752.7	2962.5	2540.4	2082.2	1858.0	1711.9	1701.2
77.5°	747.3	763.7	947.7	1356.7	1899.6	2127.4	1845.8	1362.1	1022.4	815.5	771.9
80°	208.3	210.9	281.4	505.3	950.8	1250.0	1020.7	530.7	298.3	210.3	198.1
82.5°	66.2	71.9	87.7	131.1	319.6	570.4	328.1	141.5	100.8	80.4	72.5
85°	32.3	32.0	44.4	53.2	81.5	126.2	86.9	65.7	57.5	38.2	34.5
87.5°	13.6	13.9	20.7	18.7	23.8	20.4	28.0	29.4	30.9	17.0	14.7
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)