

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: P316175

Luminaire Tested: **GAN-SA1D-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316175
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8556 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

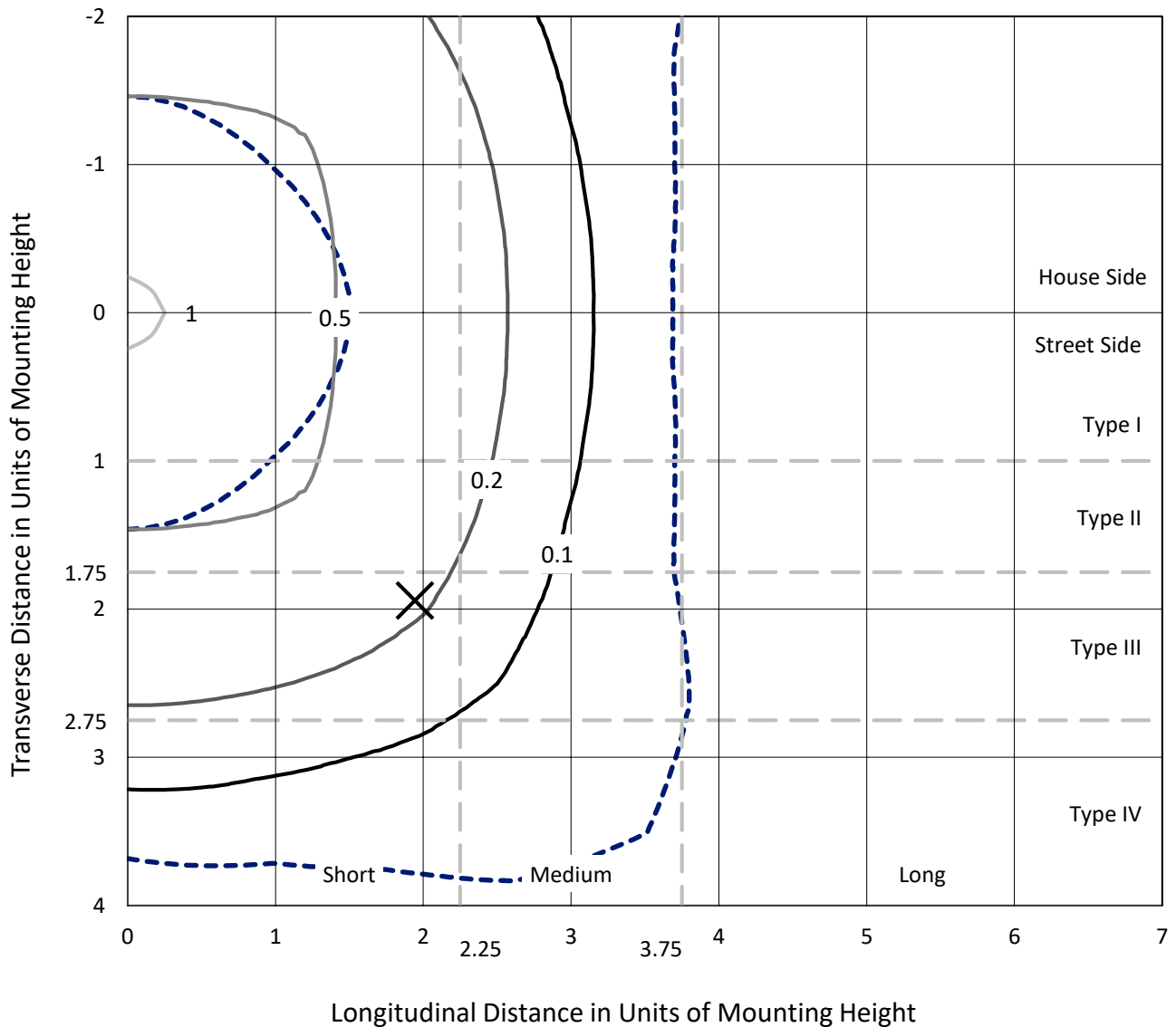
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

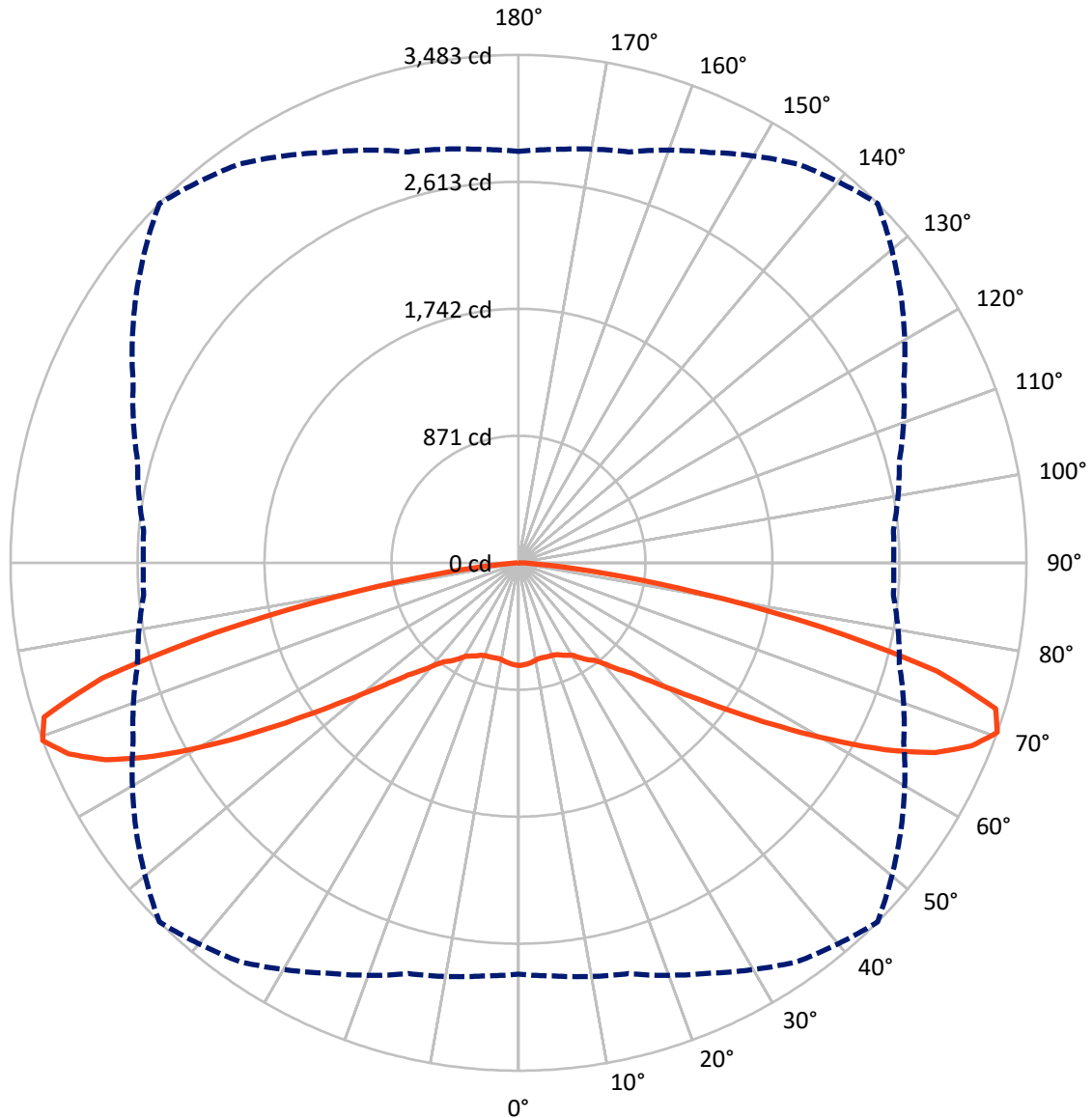
✕ Max cd
 - - - 1/2 Max cd



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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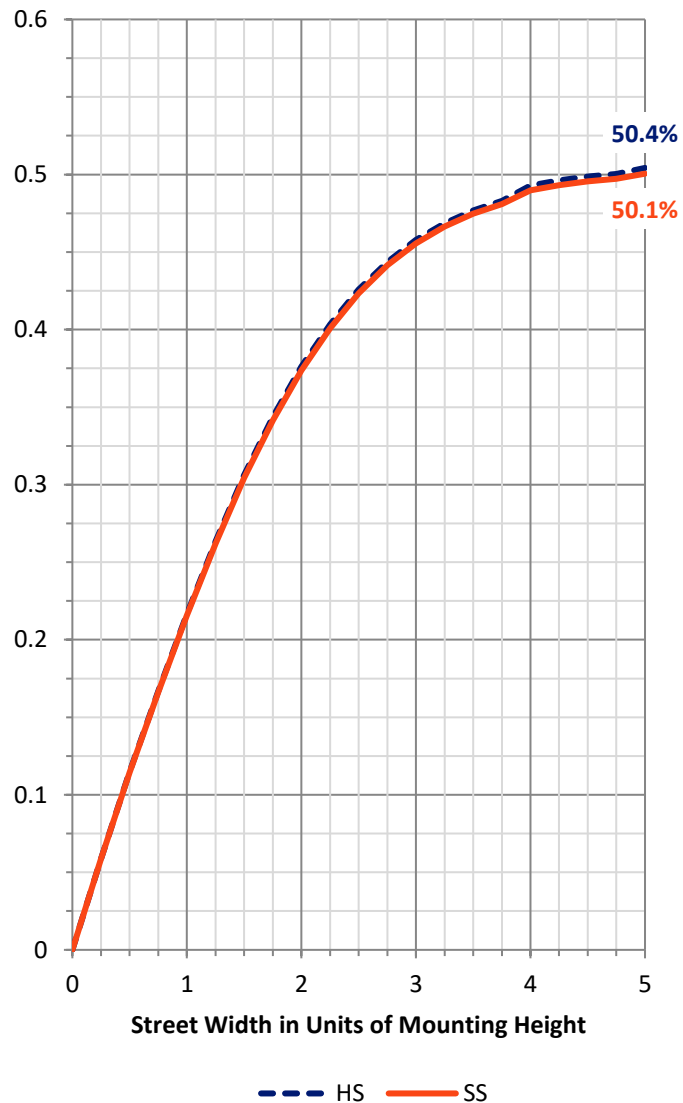
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4278.0	0.0	4278.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4278.0	0.0	4278.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8556.0	0.0	8556.0
	% 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°	327.3	3.8
30°-40°	511.4	6.0
40°-50°	866.8	10.1
50°-60°	1580.6	18.5
60°-70°	2721.1	31.8
70°-80°	2132.9	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°	8556.0	100.0
0°-180°	8556.0	100.0

Coefficient of Utilization



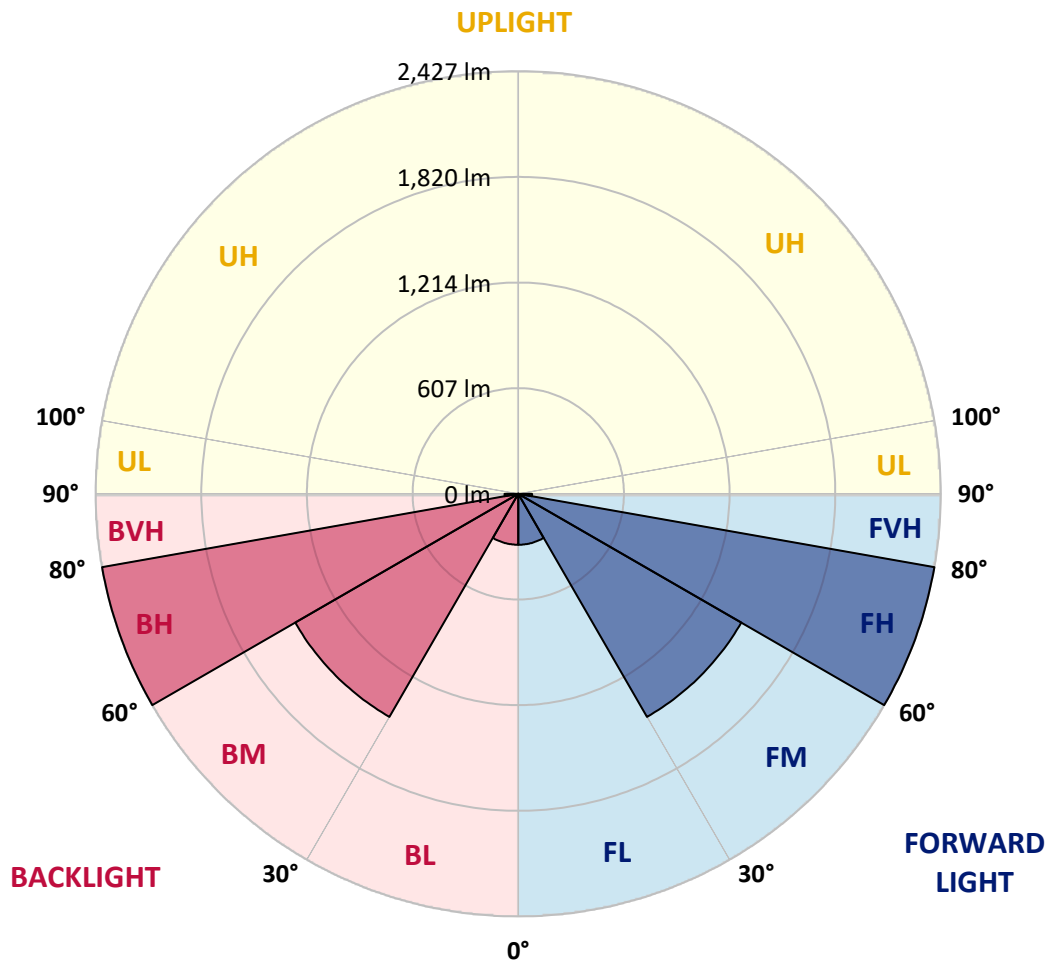
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.5	3.4			
FM (30°-60°)	1479.4	17.3			
FH (60°-80°)	2427.0	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°)	1479.4	17.3	B2/2500		
BH (60°-80°)	2427.0	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°	701.0	701.9	701.0	701.6	700.2	700.8	700.8	700.8	700.5	700.8	700.2
5°	694.8	695.4	694.3	694.8	694.0	694.8	695.1	694.8	694.3	694.5	693.4
7.5°	685.5	686.0	685.2	686.0	684.9	686.3	686.0	685.2	684.3	684.3	683.2
10°	680.4	680.7	678.4	677.6	675.0	675.6	676.4	677.3	678.1	679.8	679.5
12.5°	680.7	680.7	677.3	673.6	669.9	670.8	672.2	675.3	678.7	681.8	682.1
15°	683.5	683.2	678.1	672.2	669.6	672.2	673.0	675.0	680.4	685.8	686.0
17.5°	685.5	685.5	677.6	670.8	670.5	674.4	674.2	675.0	681.0	688.9	689.2
20°	689.2	689.2	679.0	671.6	671.6	675.9	676.1	677.6	683.5	692.3	693.7
22.5°	697.4	697.7	686.9	681.0	681.5	684.1	684.9	687.2	692.6	702.2	703.9
25°	709.0	709.5	698.5	695.1	697.1	701.9	701.3	703.0	709.0	718.3	720.0
27.5°	725.1	723.7	713.5	712.1	714.1	717.5	717.2	717.5	722.3	730.8	732.7
30°	746.0	745.5	738.1	739.0	738.1	737.0	737.3	739.5	742.1	748.9	750.9
32.5°	766.4	767.0	762.5	766.7	772.9	777.2	770.7	764.4	761.6	765.3	767.0
35°	803.2	804.6	797.6	794.7	803.2	815.7	797.3	787.1	792.7	797.6	799.0
37.5°	865.8	866.6	854.7	843.4	837.2	849.1	830.7	831.5	851.3	860.4	860.1
40°	937.1	937.4	929.4	919.5	908.8	911.6	904.3	906.5	919.5	927.7	930.0
42.5°	1022.0	1021.1	1008.7	994.5	991.4	994.3	981.8	980.1	995.1	1009.8	1010.1
45°	1132.1	1130.1	1114.0	1098.4	1083.4	1077.2	1074.1	1082.3	1102.9	1116.5	1116.8
47.5°	1250.7	1245.3	1236.8	1224.4	1211.3	1205.1	1200.0	1204.0	1219.0	1224.4	1224.9
50°	1372.7	1373.8	1375.5	1370.7	1365.9	1363.9	1350.6	1342.9	1347.5	1337.6	1336.1
52.5°	1517.3	1519.5	1536.0	1549.8	1558.0	1562.3	1537.1	1510.8	1496.1	1476.8	1471.2
55°	1687.9	1691.6	1715.7	1754.2	1793.8	1814.7	1769.2	1719.9	1674.4	1638.4	1626.8
57.5°	1878.1	1884.6	1917.8	1991.6	2072.9	2122.4	2045.4	1956.0	1867.9	1816.2	1807.1
60°	2101.2	2107.4	2153.2	2259.1	2390.7	2465.1	2348.5	2202.2	2092.7	2043.1	2026.4
62.5°	2366.6	2367.2	2423.5	2547.2	2721.0	2824.6	2666.6	2471.1	2358.1	2298.4	2282.3
65°	2652.2	2653.6	2711.9	2845.5	3025.2	3137.9	2959.6	2755.8	2617.7	2529.7	2517.2
67.5°	2854.0	2859.9	2921.4	3082.1	3250.2	3351.8	3167.3	2936.9	2777.3	2672.3	2661.8
70°	2821.7	2844.9	2917.1	3104.8	3338.5	3483.4	3201.0	2915.4	2704.8	2580.9	2572.1
72.5°	2460.9	2505.3	2601.5	2847.8	3221.6	3421.2	3017.3	2611.2	2372.9	2267.3	2251.4
75°	1675.8	1747.9	1893.1	2248.3	2752.4	2962.1	2540.1	2081.9	1857.8	1711.7	1701.0
77.5°	747.2	763.6	947.6	1356.5	1899.4	2127.2	1845.6	1361.9	1022.3	815.4	771.8
80°	208.3	210.9	281.3	505.2	950.7	1249.8	1020.6	530.7	298.3	210.3	198.1
82.5°	66.2	71.9	87.7	131.0	319.5	570.3	328.0	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	30.8	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)