

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: P316106

Luminaire Tested: **GAN-SA2A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316106
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-SA2A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9147 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 66
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

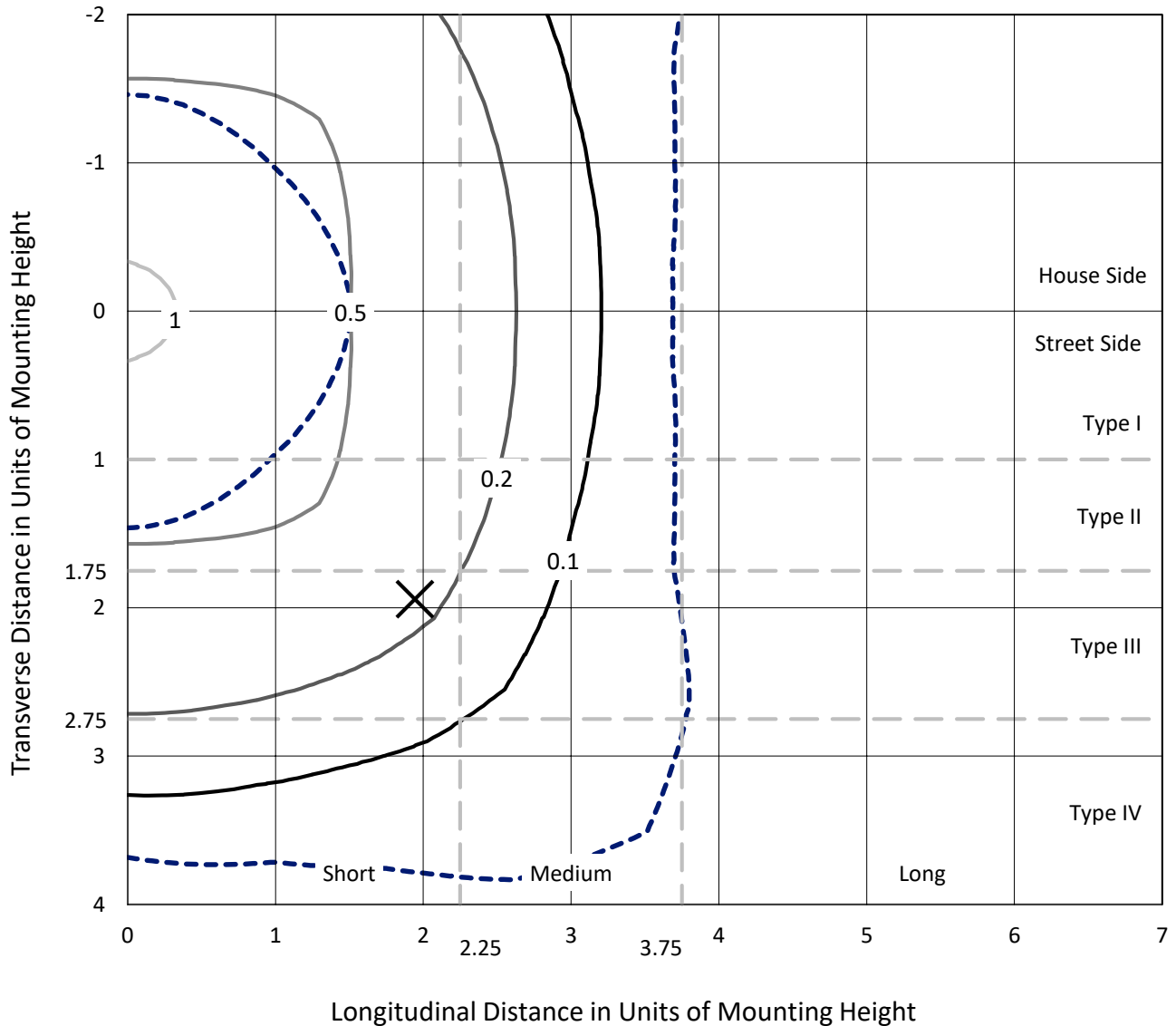




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Iso-Footcandle Lines of Horizontal Illumination

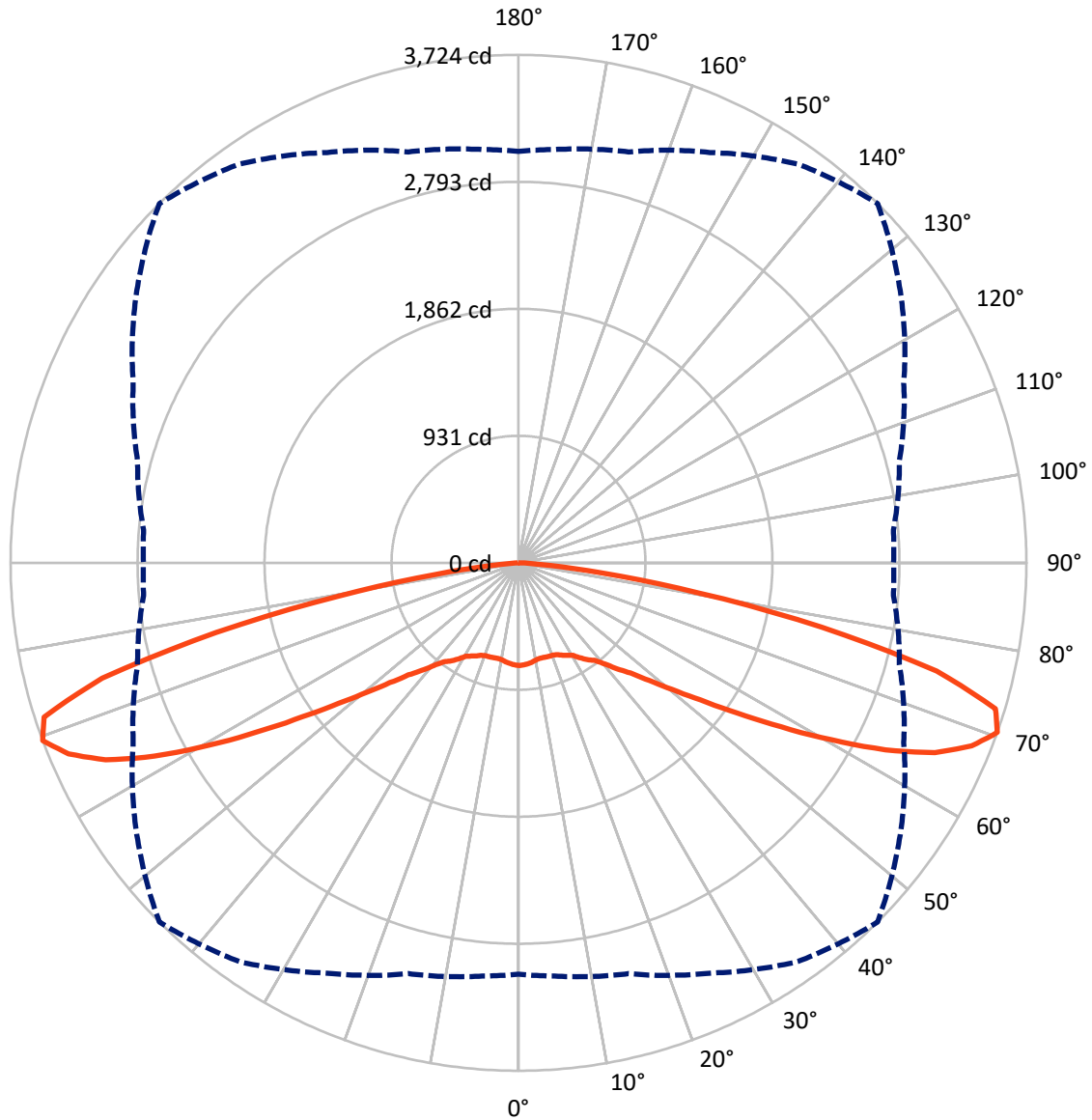
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	4573.5	0.0	4573.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4573.5	0.0	4573.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9147.0	0.0	9147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	0.8
10°-20°	205.2	2.2
20°-30°	349.9	3.8
30°-40°	546.8	6.0
40°-50°	926.6	10.1
50°-60°	1689.8	18.5
60°-70°	2909.1	31.8
70°-80°	2280.2	24.9
80°-90°	169.1	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°	9147.0	100.0
0°-180°	9147.0	100.0

Coefficient of Utilization



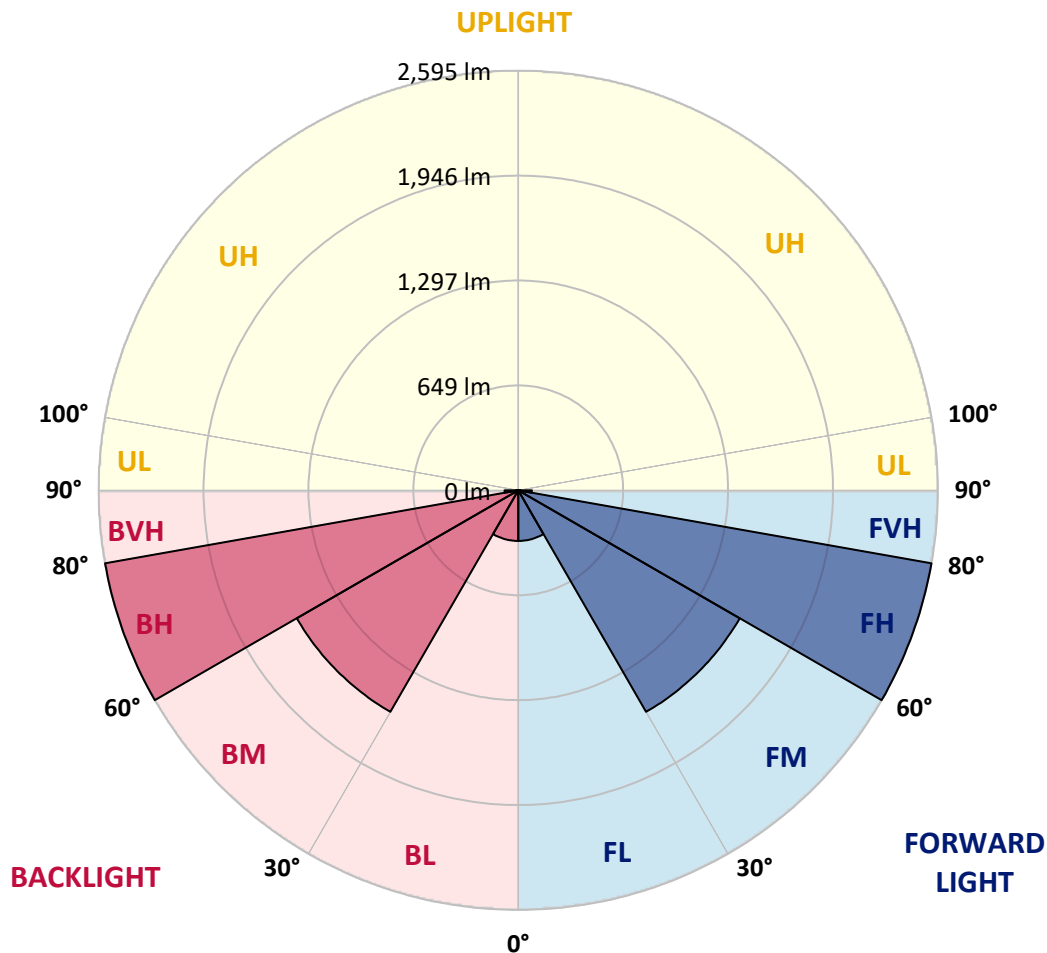
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.7	3.4			
FM (30°-60°)	1581.6	17.3			
FH (60°-80°)	2594.7	28.4			G2/5000
FVH (80°-90°)	84.5	0.9			G1/100
BL (0°-30°)	312.7	3.4	B1/500		
BM (30°-60°)	1581.6	17.3	B2/2500		
BH (60°-80°)	2594.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	84.5	0.9			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°	752.8	752.8	752.8	752.8	752.8	752.8	752.8	752.8	752.8	752.8	752.8
2.5°	749.5	750.4	749.5	750.1	748.6	749.2	749.2	749.2	748.9	749.2	748.6
5°	742.8	743.4	742.2	742.8	741.9	742.8	743.1	742.8	742.2	742.5	741.3
7.5°	732.8	733.4	732.5	733.4	732.2	733.7	733.4	732.5	731.6	731.6	730.4
10°	727.4	727.7	725.3	724.4	721.6	722.2	723.1	724.1	725.0	726.8	726.5
12.5°	727.7	727.7	724.1	720.1	716.2	717.1	718.6	721.9	725.6	728.9	729.2
15°	730.7	730.4	725.0	718.6	715.9	718.6	719.5	721.6	727.4	733.1	733.4
17.5°	732.8	732.8	724.4	717.1	716.8	721.0	720.7	721.6	728.0	736.5	736.8
20°	736.8	736.8	725.9	718.0	718.0	722.5	722.8	724.4	730.7	740.1	741.6
22.5°	745.5	745.8	734.3	728.0	728.6	731.3	732.2	734.6	740.4	750.7	752.5
25°	757.9	758.5	746.7	743.1	745.2	750.4	749.8	751.6	757.9	767.9	769.7
27.5°	775.2	773.7	762.8	761.3	763.4	767.0	766.7	767.0	772.2	781.2	783.4
30°	797.6	797.0	789.1	790.0	789.1	787.9	788.2	790.6	793.3	800.6	802.7
32.5°	819.4	820.0	815.1	819.7	826.3	830.9	823.9	817.2	814.2	818.2	820.0
35°	858.7	860.2	852.6	849.6	858.7	872.0	852.3	841.5	847.5	852.6	854.2
37.5°	925.6	926.5	913.8	901.7	895.0	907.7	888.0	889.0	910.1	919.8	919.5
40°	1001.8	1002.1	993.6	983.1	971.6	974.6	966.7	969.1	983.1	991.8	994.3
42.5°	1092.6	1091.7	1078.4	1063.2	1059.9	1062.9	1049.6	1047.8	1063.8	1079.6	1079.9
45°	1210.3	1208.2	1190.9	1174.3	1158.2	1151.6	1148.3	1157.0	1179.1	1193.6	1193.9
47.5°	1337.1	1331.3	1322.2	1308.9	1295.0	1288.4	1282.9	1287.1	1303.2	1308.9	1309.5
50°	1467.5	1468.7	1470.5	1465.4	1460.2	1458.1	1443.9	1435.7	1440.5	1430.0	1428.4
52.5°	1622.1	1624.5	1642.1	1656.9	1665.7	1670.2	1643.3	1615.1	1599.4	1578.8	1572.8
55°	1804.5	1808.5	1834.2	1875.3	1917.7	1940.1	1891.4	1838.7	1790.0	1751.6	1739.2
57.5°	2007.9	2014.8	2050.2	2129.2	2216.0	2269.0	2186.7	2091.1	1997.0	1941.6	1931.9
60°	2246.3	2253.0	2302.0	2415.1	2555.8	2635.4	2510.7	2354.3	2237.2	2184.3	2166.4
62.5°	2530.1	2530.7	2590.9	2723.1	2908.9	3019.7	2850.8	2641.8	2521.0	2457.2	2439.9
65°	2835.4	2836.9	2899.2	3042.1	3234.2	3354.6	3164.0	2946.1	2798.5	2704.4	2691.1
67.5°	3051.1	3057.5	3123.1	3295.0	3474.7	3583.4	3386.1	3139.8	2969.1	2856.9	2845.7
70°	3016.6	3041.5	3118.6	3319.2	3569.1	3724.1	3422.1	3116.8	2891.7	2759.2	2749.8
72.5°	2630.9	2678.4	2781.2	3044.5	3444.2	3657.5	3225.7	2791.5	2536.8	2423.9	2407.0
75°	1791.5	1868.7	2023.9	2403.6	2942.5	3166.7	2715.6	2225.7	1986.1	1830.0	1818.5
77.5°	798.8	816.3	1013.0	1450.2	2030.6	2274.1	1973.1	1456.0	1092.9	871.7	825.1
80°	222.7	225.4	300.8	540.1	1016.3	1336.2	1091.1	567.3	318.9	224.8	211.8
82.5°	70.8	76.9	93.8	140.1	341.6	609.7	350.7	151.3	107.7	85.9	77.5
85°	34.5	34.2	47.5	56.9	87.1	134.9	92.9	70.2	61.4	40.8	36.9
87.5°	14.5	14.8	22.1	20.0	25.4	21.8	30.0	31.5	33.0	18.2	15.7
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)