

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: P316105

Luminaire Tested: **GAN-SA1A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316105
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-SA1A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4679 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

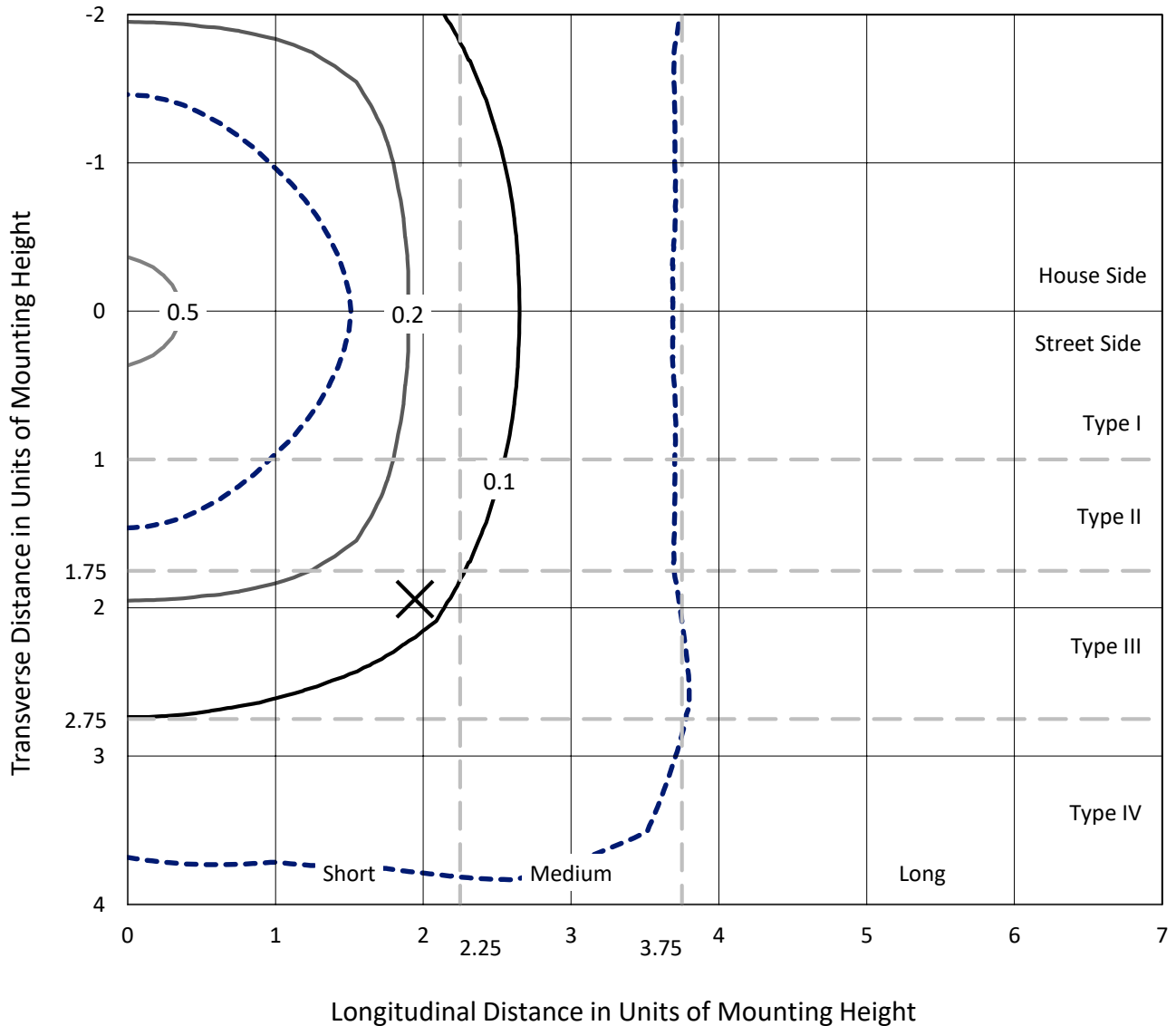
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

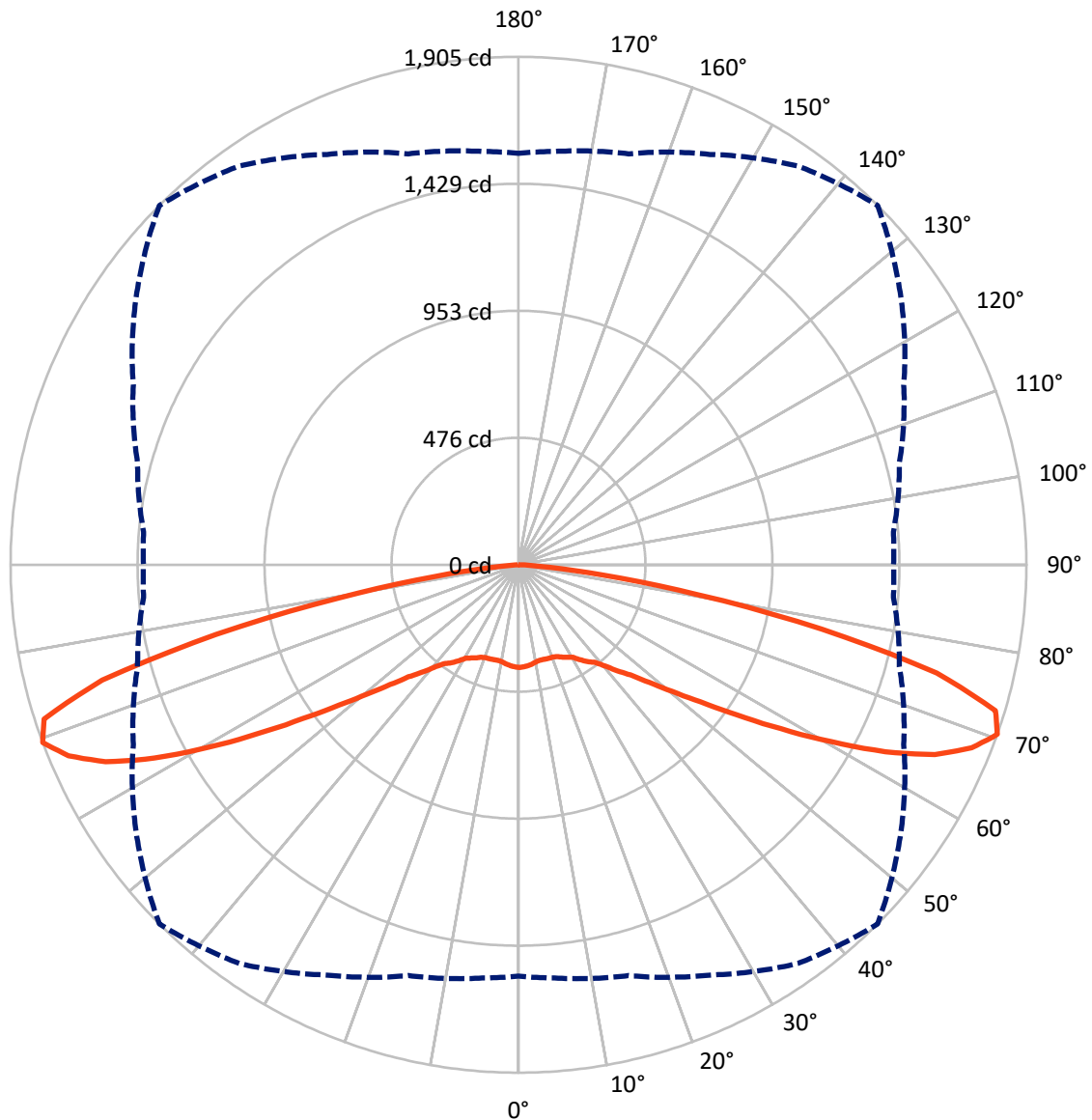
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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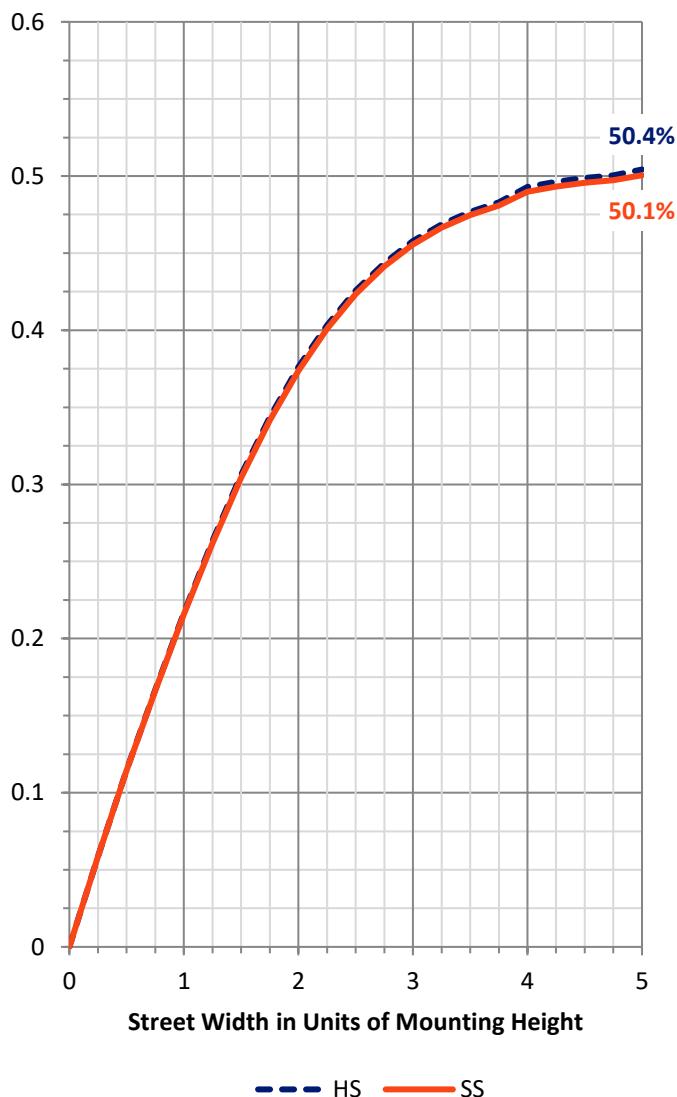
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2339.5	0.0	2339.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2339.5	0.0	2339.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4679.0	0.0	4679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	0.8
10°-20°	105.0	2.2
20°-30°	179.0	3.8
30°-40°	279.7	6.0
40°-50°	474.0	10.1
50°-60°	864.4	18.5
60°-70°	1488.1	31.8
70°-80°	1166.4	24.9
80°-90°	86.5	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°	4679.0	100.0
0°-180°	4679.0	100.0

Coefficient of Utilization

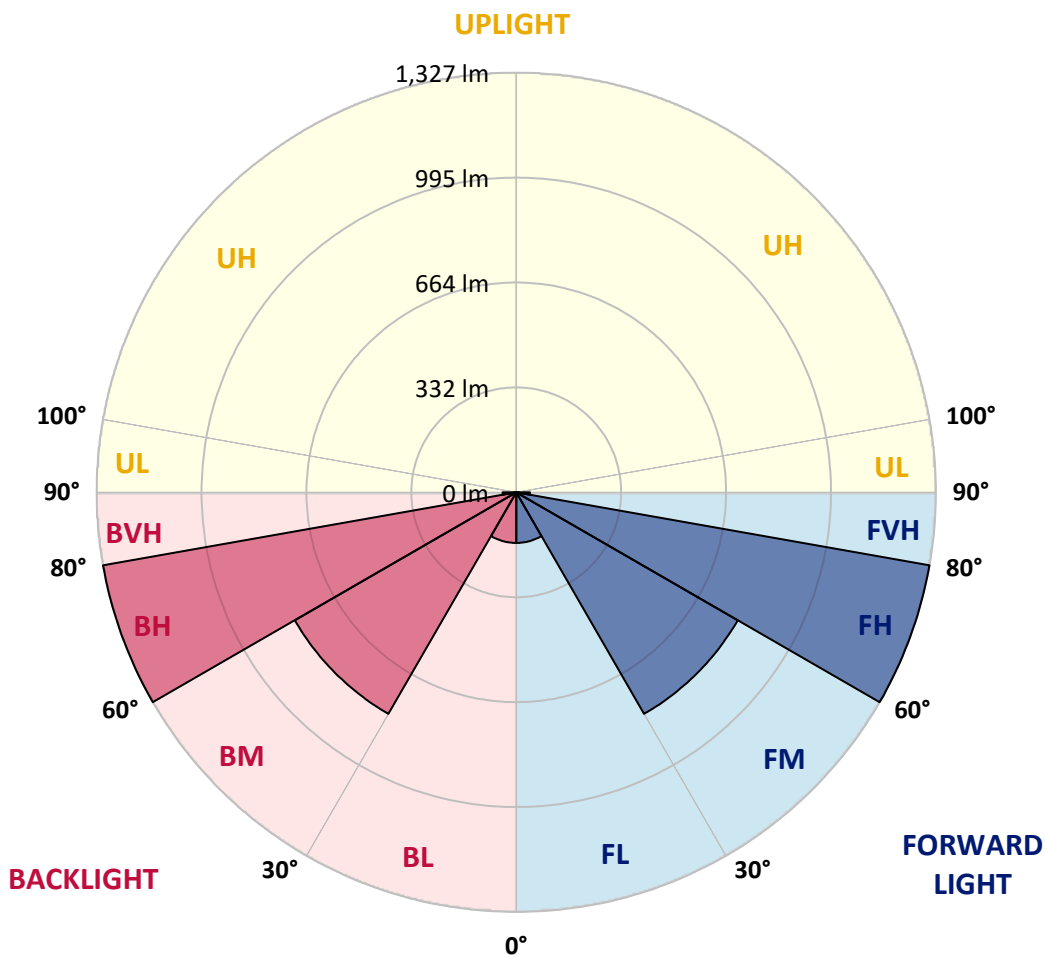


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.0	3.4			
FM (30°-60°)	809.0	17.3			
FH (60°-80°)	1327.3	28.4			G1/1800
FVH (80°-90°)	43.2	0.9			G1/100
BL (0°-30°)	160.0	3.4	B1/500		
BM (30°-60°)	809.0	17.3	B1/1000		
BH (60°-80°)	1327.3	28.4	B3/2500		G1/1800
BVH (80°-90°)	43.2	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1
2.5°	383.4	383.8	383.4	383.7	382.9	383.2	383.2	383.2	383.1	383.2	382.9
5°	380.0	380.3	379.7	380.0	379.5	380.0	380.1	380.0	379.7	379.8	379.2
7.5°	374.9	375.2	374.7	375.2	374.6	375.3	375.2	374.7	374.2	374.2	373.6
10°	372.1	372.2	371.0	370.5	369.1	369.4	369.9	370.4	370.8	371.8	371.6
12.5°	372.2	372.2	370.4	368.4	366.4	366.8	367.6	369.3	371.2	372.9	373.0
15°	373.8	373.6	370.8	367.6	366.2	367.6	368.1	369.1	372.1	375.0	375.2
17.5°	374.9	374.9	370.5	366.8	366.7	368.8	368.7	369.1	372.4	376.7	376.9
20°	376.9	376.9	371.3	367.3	367.3	369.6	369.8	370.5	373.8	378.6	379.4
22.5°	381.4	381.5	375.6	372.4	372.7	374.1	374.6	375.8	378.7	384.0	384.9
25°	387.7	388.0	382.0	380.1	381.2	383.8	383.5	384.5	387.7	392.8	393.7
27.5°	396.5	395.8	390.2	389.4	390.5	392.4	392.2	392.4	395.0	399.6	400.7
30°	408.0	407.7	403.7	404.1	403.7	403.0	403.2	404.4	405.8	409.5	410.6
32.5°	419.1	419.4	417.0	419.3	422.7	425.0	421.5	418.0	416.5	418.5	419.4
35°	439.3	440.0	436.2	434.6	439.3	446.1	436.0	430.4	433.5	436.2	436.9
37.5°	473.5	473.9	467.4	461.2	457.8	464.3	454.3	454.7	465.6	470.5	470.4
40°	512.5	512.6	508.3	502.9	497.0	498.5	494.5	495.7	502.9	507.4	508.6
42.5°	558.9	558.4	551.6	543.9	542.2	543.7	536.9	536.0	544.2	552.2	552.4
45°	619.1	618.0	609.2	600.7	592.5	589.1	587.4	591.9	603.2	610.6	610.7
47.5°	684.0	681.0	676.4	669.6	662.4	659.0	656.2	658.4	666.6	669.6	669.9
50°	750.7	751.3	752.2	749.6	746.9	745.9	738.6	734.4	736.9	731.5	730.7
52.5°	829.8	831.0	840.0	847.6	852.0	854.4	840.6	826.2	818.1	807.6	804.5
55°	923.1	925.1	938.3	959.3	981.0	992.4	967.5	940.6	915.7	896.0	889.7
57.5°	1027.1	1030.7	1048.8	1089.2	1133.6	1160.7	1118.6	1069.7	1021.5	993.2	988.2
60°	1149.1	1152.5	1177.5	1235.4	1307.4	1348.1	1284.3	1204.3	1144.4	1117.3	1108.2
62.5°	1294.2	1294.5	1325.3	1393.0	1488.0	1544.7	1458.3	1351.3	1289.6	1256.9	1248.1
65°	1450.4	1451.2	1483.1	1556.1	1654.4	1716.0	1618.5	1507.1	1431.5	1383.4	1376.6
67.5°	1560.8	1564.0	1597.6	1685.5	1777.4	1833.0	1732.1	1606.1	1518.8	1461.4	1455.7
70°	1543.1	1555.8	1595.3	1697.9	1825.7	1905.0	1750.5	1594.3	1479.2	1411.4	1406.6
72.5°	1345.8	1370.1	1422.7	1557.4	1761.8	1870.9	1650.1	1428.0	1297.6	1239.9	1231.2
75°	916.4	955.9	1035.3	1229.5	1505.2	1619.9	1389.1	1138.5	1015.9	936.1	930.2
77.5°	408.6	417.6	518.2	741.8	1038.7	1163.3	1009.3	744.8	559.1	445.9	422.1
80°	113.9	115.3	153.8	276.3	519.9	683.5	558.1	290.2	163.1	115.0	108.3
82.5°	36.2	39.3	48.0	71.7	174.7	311.9	179.4	77.4	55.1	44.0	39.6
85°	17.6	17.5	24.3	29.1	44.6	69.0	47.5	35.9	31.4	20.9	18.9
87.5°	7.4	7.6	11.3	10.2	13.0	11.1	15.3	16.1	16.9	9.3	8.0
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)