

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: P316107

Luminaire Tested: **GAN-SA3A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316107
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-SA3A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 13647 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

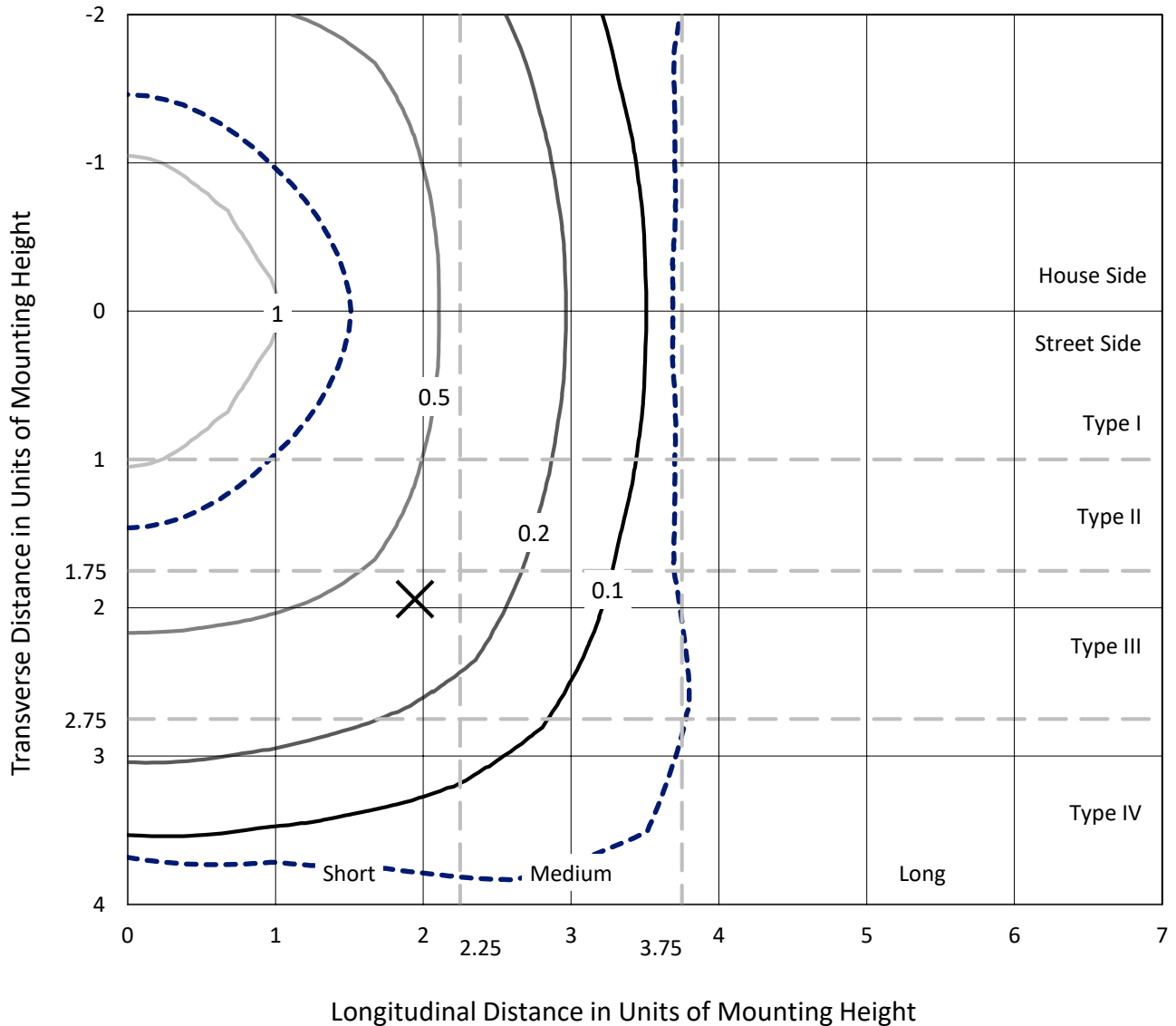
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

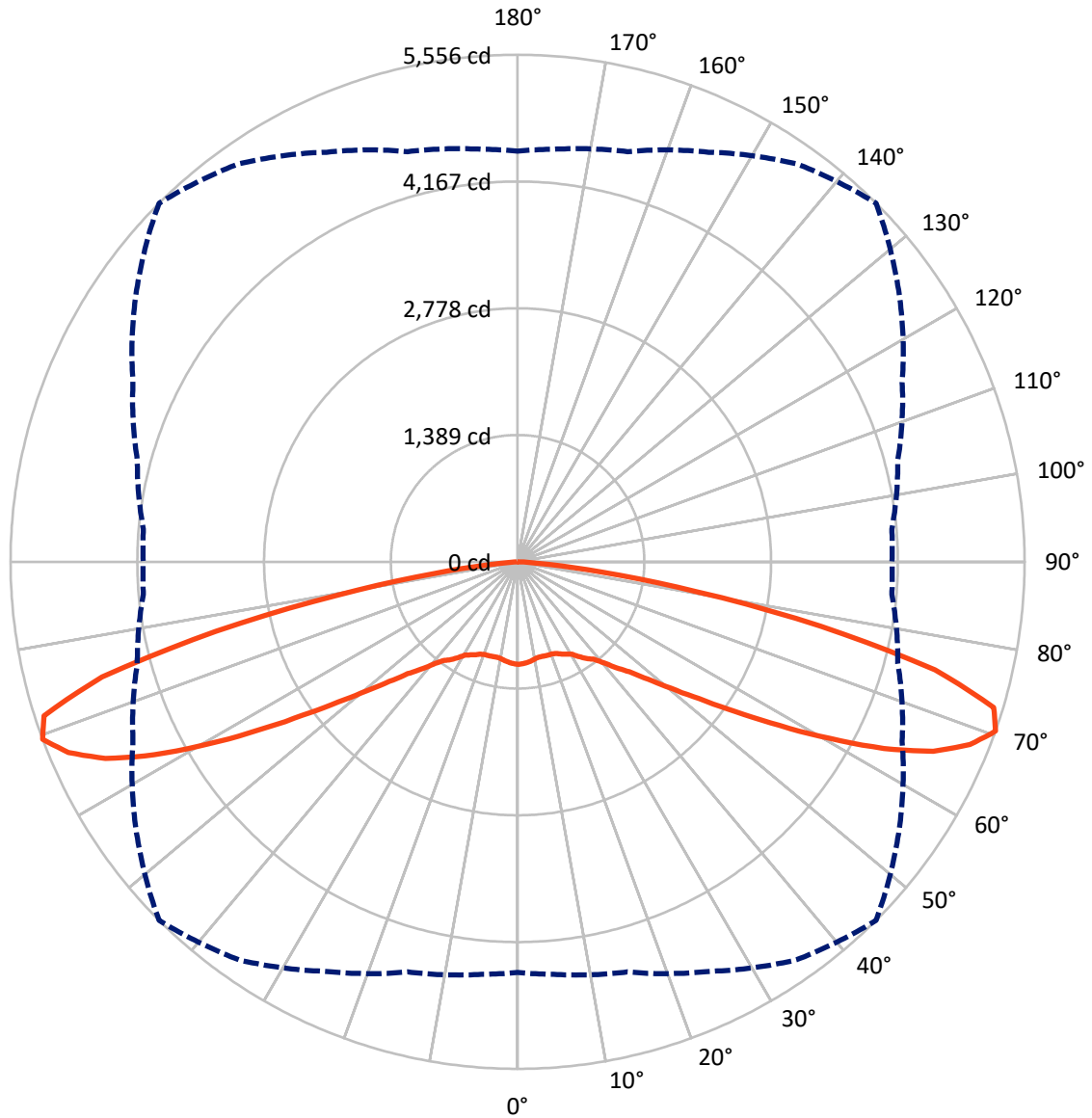
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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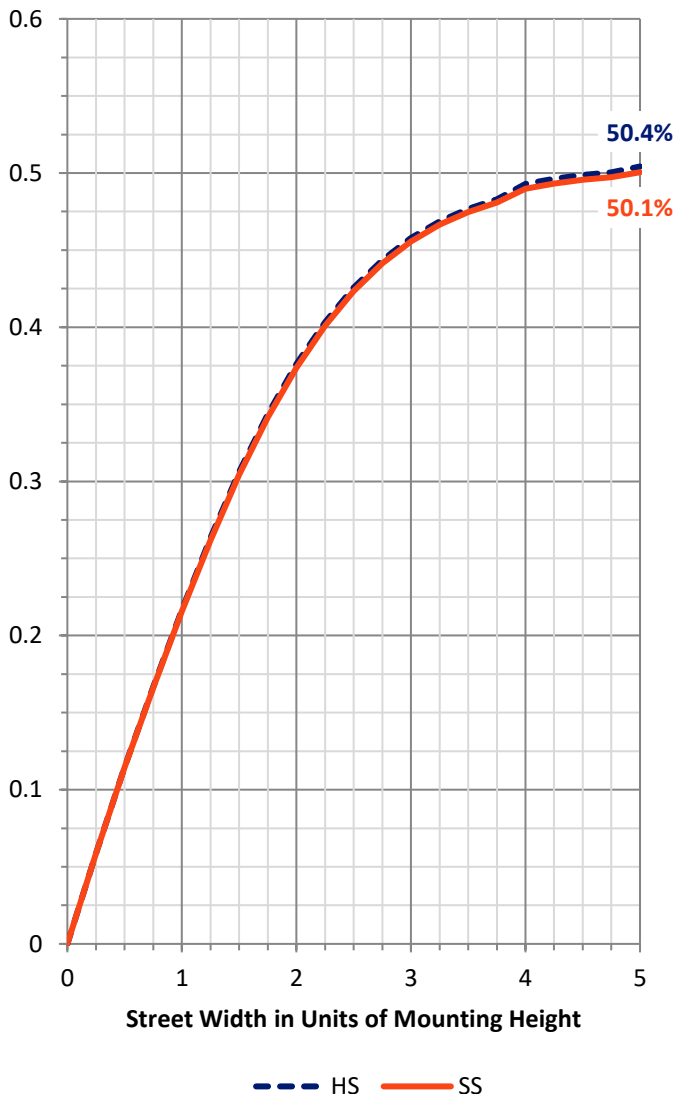
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6823.5	0.0	6823.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6823.5	0.0	6823.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13647.0	0.0	13647.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	0.8
10°-20°	306.2	2.2
20°-30°	522.1	3.8
30°-40°	815.7	6.0
40°-50°	1382.5	10.1
50°-60°	2521.1	18.5
60°-70°	4340.2	31.8
70°-80°	3402.1	24.9
80°-90°	252.3	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°	13647.0	100.0
0°-180°	13647.0	100.0

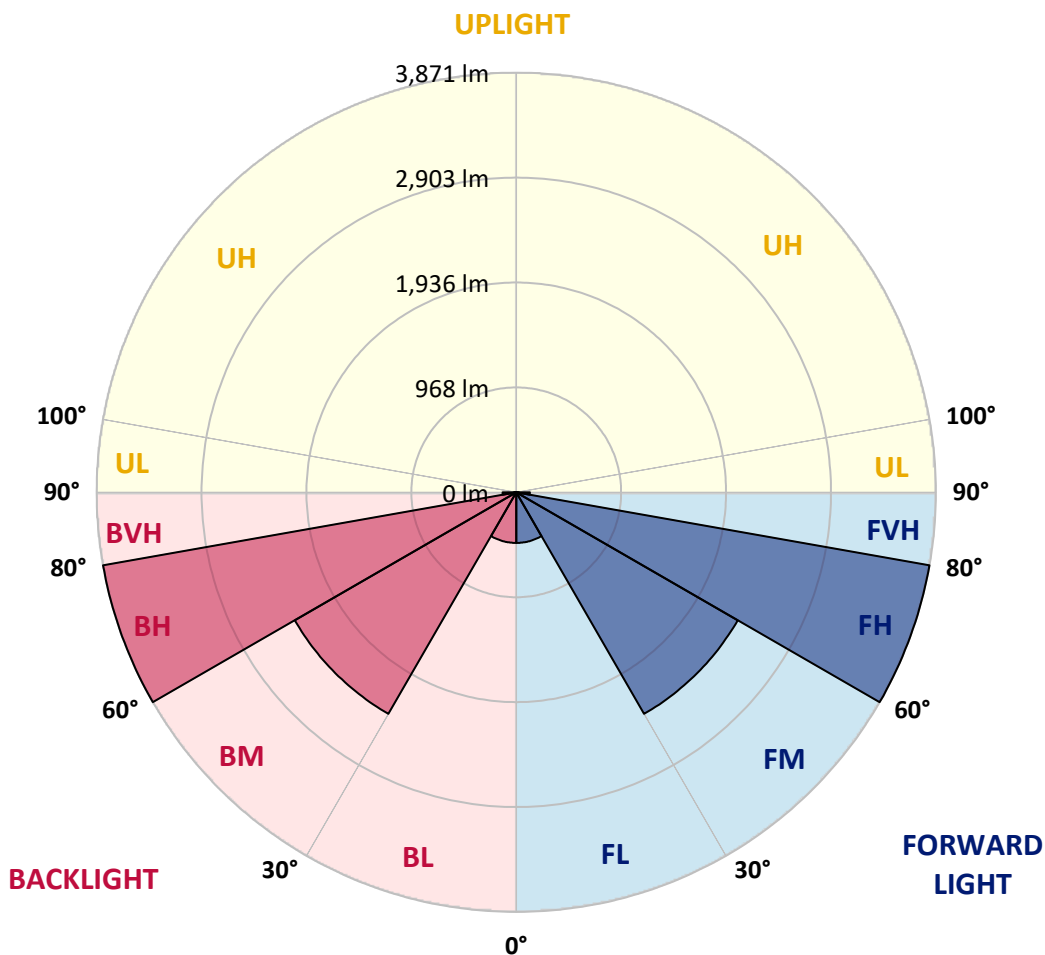


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.5	3.4			
FM (30°-60°)	2359.7	17.3			
FH (60°-80°)	3871.1	28.4			G2/5000
FVH (80°-90°)	126.1	0.9			G2/225
BL (0°-30°)	466.5	3.4	B1/500		
BM (30°-60°)	2359.7	17.3	B2/2500		
BH (60°-80°)	3871.1	28.4	B4/5000		G2/5000
BVH (80°-90°)	126.1	0.9			G2/225
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°	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1
2.5°	1118.2	1119.5	1118.2	1119.1	1116.8	1117.7	1117.7	1117.7	1117.3	1117.7	1116.8
5°	1108.3	1109.2	1107.4	1108.3	1106.9	1108.3	1108.7	1108.3	1107.4	1107.8	1106.0
7.5°	1093.4	1094.3	1092.9	1094.3	1092.5	1094.7	1094.3	1092.9	1091.6	1091.6	1089.7
10°	1085.2	1085.7	1082.1	1080.7	1076.7	1077.6	1078.9	1080.3	1081.6	1084.3	1083.9
12.5°	1085.7	1085.7	1080.3	1074.4	1068.5	1069.9	1072.1	1077.1	1082.5	1087.5	1087.9
15°	1090.2	1089.7	1081.6	1072.1	1068.1	1072.1	1073.5	1076.7	1085.2	1093.8	1094.3
17.5°	1093.4	1093.4	1080.7	1069.9	1069.4	1075.8	1075.3	1076.7	1086.1	1098.8	1099.2
20°	1099.2	1099.2	1083.0	1071.2	1071.2	1078.0	1078.5	1080.7	1090.2	1104.2	1106.4
22.5°	1112.3	1112.8	1095.6	1086.1	1087.0	1091.1	1092.5	1096.1	1104.6	1120.0	1122.7
25°	1130.8	1131.7	1114.1	1108.7	1111.9	1119.5	1118.6	1121.3	1130.8	1145.7	1148.4
27.5°	1156.6	1154.3	1138.0	1135.8	1138.9	1144.4	1143.9	1144.4	1152.0	1165.6	1168.7
30°	1190.0	1189.1	1177.3	1178.7	1177.3	1175.5	1176.0	1179.6	1183.6	1194.5	1197.6
32.5°	1222.5	1223.4	1216.1	1222.9	1232.8	1239.6	1229.2	1219.3	1214.8	1220.7	1223.4
35°	1281.1	1283.4	1272.1	1267.6	1281.1	1301.0	1271.7	1255.4	1264.4	1272.1	1274.4
37.5°	1380.9	1382.3	1363.3	1345.3	1335.3	1354.3	1324.9	1326.3	1357.9	1372.3	1371.9
40°	1494.7	1495.1	1482.5	1466.7	1449.5	1454.0	1442.3	1445.9	1466.7	1479.8	1483.4
42.5°	1630.1	1628.7	1608.9	1586.3	1581.3	1585.9	1566.0	1563.3	1587.2	1610.7	1611.1
45°	1805.7	1802.5	1776.8	1752.0	1728.1	1718.1	1713.2	1726.3	1759.2	1780.9	1781.3
47.5°	1994.9	1986.3	1972.7	1952.9	1932.1	1922.2	1914.0	1920.4	1944.3	1952.9	1953.8
50°	2189.4	2191.2	2193.9	2186.3	2178.6	2175.4	2154.2	2142.0	2149.2	2133.4	2131.2
52.5°	2420.1	2423.7	2449.9	2472.0	2485.1	2491.9	2451.7	2409.7	2386.2	2355.5	2346.5
55°	2692.3	2698.2	2736.5	2797.9	2861.1	2894.5	2821.9	2743.3	2670.6	2613.3	2594.8
57.5°	2995.7	3006.1	3058.9	3176.7	3306.3	3385.2	3262.5	3119.8	2979.4	2896.8	2882.4
60°	3351.4	3361.3	3434.5	3603.3	3813.2	3931.9	3745.9	3512.6	3337.9	3258.9	3232.2
62.5°	3774.8	3775.7	3865.6	4062.8	4340.0	4505.2	4253.3	3941.4	3761.3	3666.0	3640.3
65°	4230.3	4232.6	4325.6	4538.6	4825.3	5005.0	4720.6	4395.5	4175.2	4034.9	4015.0
67.5°	4552.2	4561.7	4659.6	4916.0	5184.2	5346.2	5051.9	4684.5	4429.9	4262.4	4245.7
70°	4500.7	4537.7	4652.9	4952.2	5325.0	5556.2	5105.6	4650.1	4314.3	4116.6	4102.6
72.5°	3925.2	3996.0	4149.5	4542.3	5138.6	5456.8	4812.7	4164.9	3784.8	3616.4	3591.1
75°	2672.9	2788.0	3019.6	3586.1	4390.1	4724.6	4051.6	3320.7	2963.2	2730.2	2713.1
77.5°	1191.8	1217.9	1511.4	2163.7	3029.5	3392.9	2943.8	2172.3	1630.6	1300.6	1231.0
80°	332.3	336.3	448.7	805.8	1516.3	1993.5	1627.8	846.4	475.8	335.4	316.0
82.5°	105.6	114.7	139.9	209.0	509.7	909.6	523.2	225.7	160.7	128.2	115.6
85°	51.5	51.0	70.9	84.9	130.0	201.3	138.6	104.7	91.6	60.9	55.1
87.5°	21.7	22.1	33.0	29.8	37.9	32.5	44.7	46.9	49.2	27.1	23.5
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)