

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: P316746

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8957 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

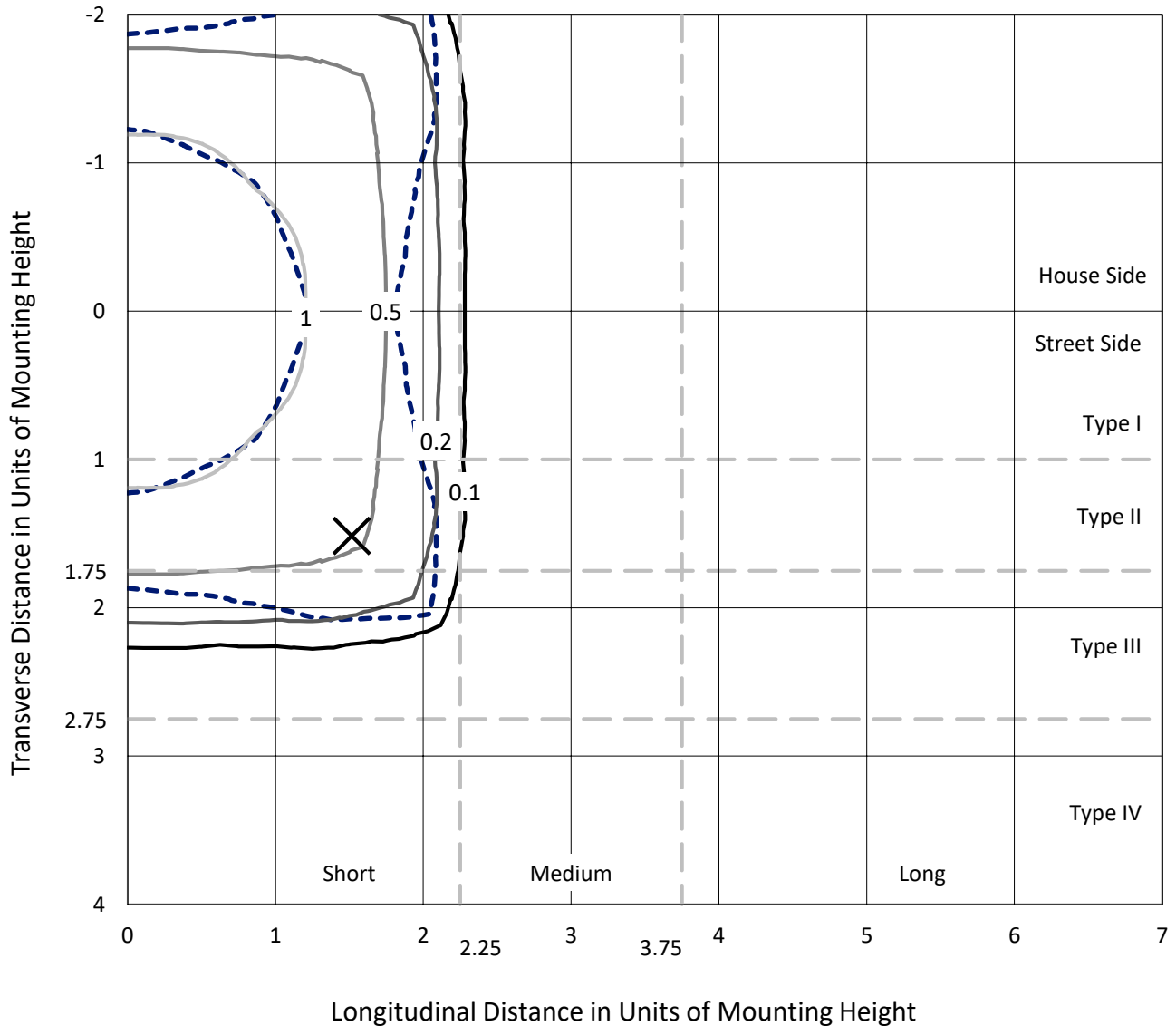
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

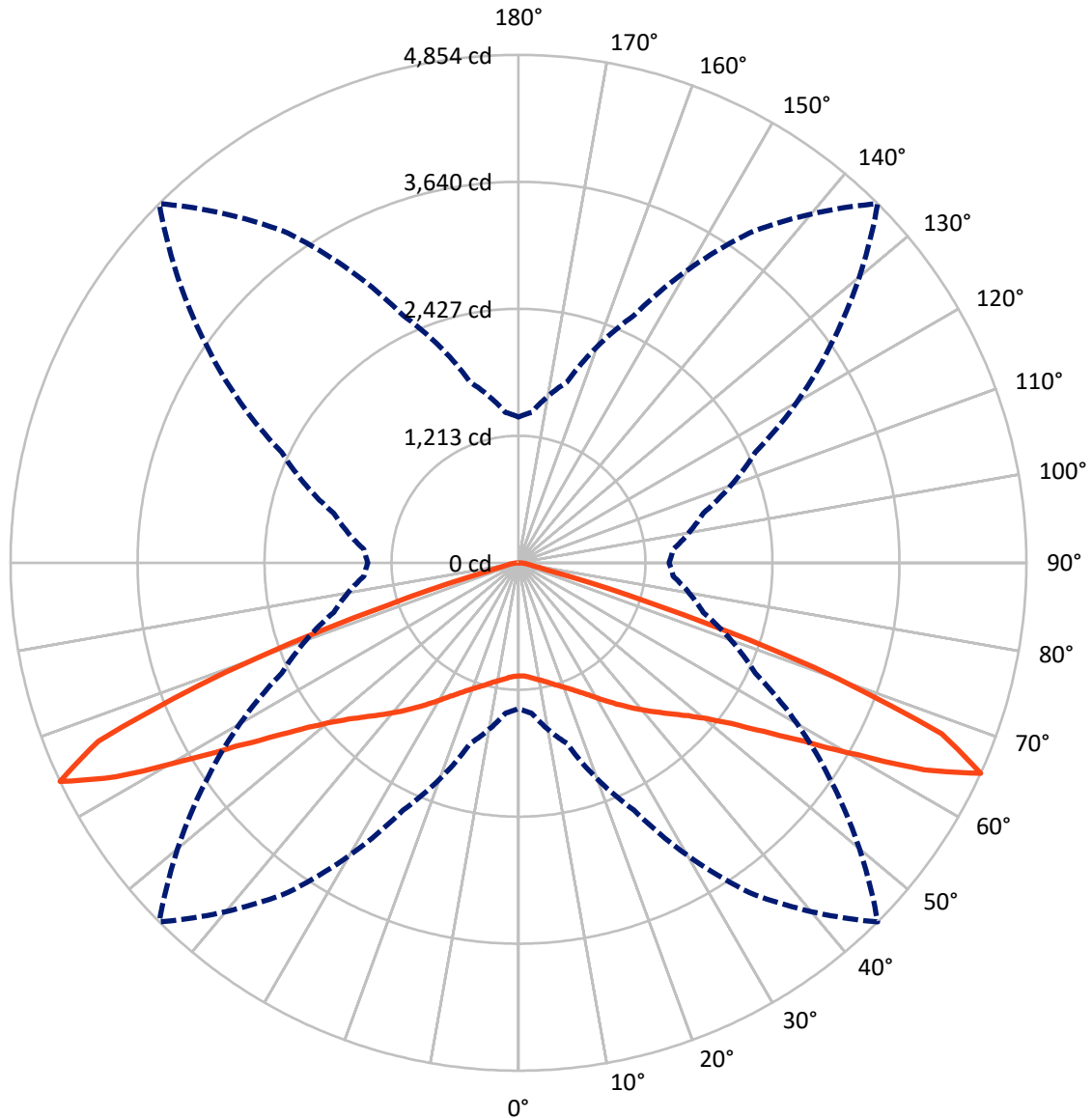
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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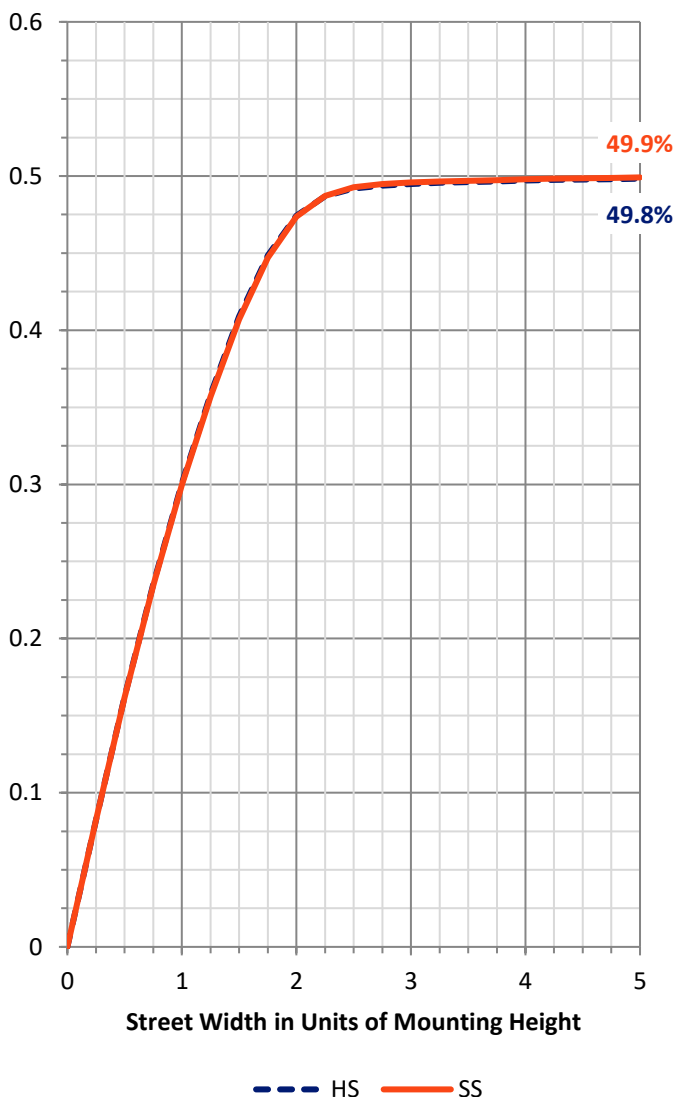
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4478.5	0.0	4478.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4478.5	0.0	4478.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8957.0	0.0	8957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	1.2
10°-20°	341.1	3.8
20°-30°	640.0	7.1
30°-40°	1058.4	11.8
40°-50°	1639.4	18.3
50°-60°	2514.3	28.1
60°-70°	2346.2	26.2
70°-80°	273.1	3.0
80°-90°	38.4	0.4
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°	8957.0	100.0
0°-180°	8957.0	100.0

Coefficient of Utilization



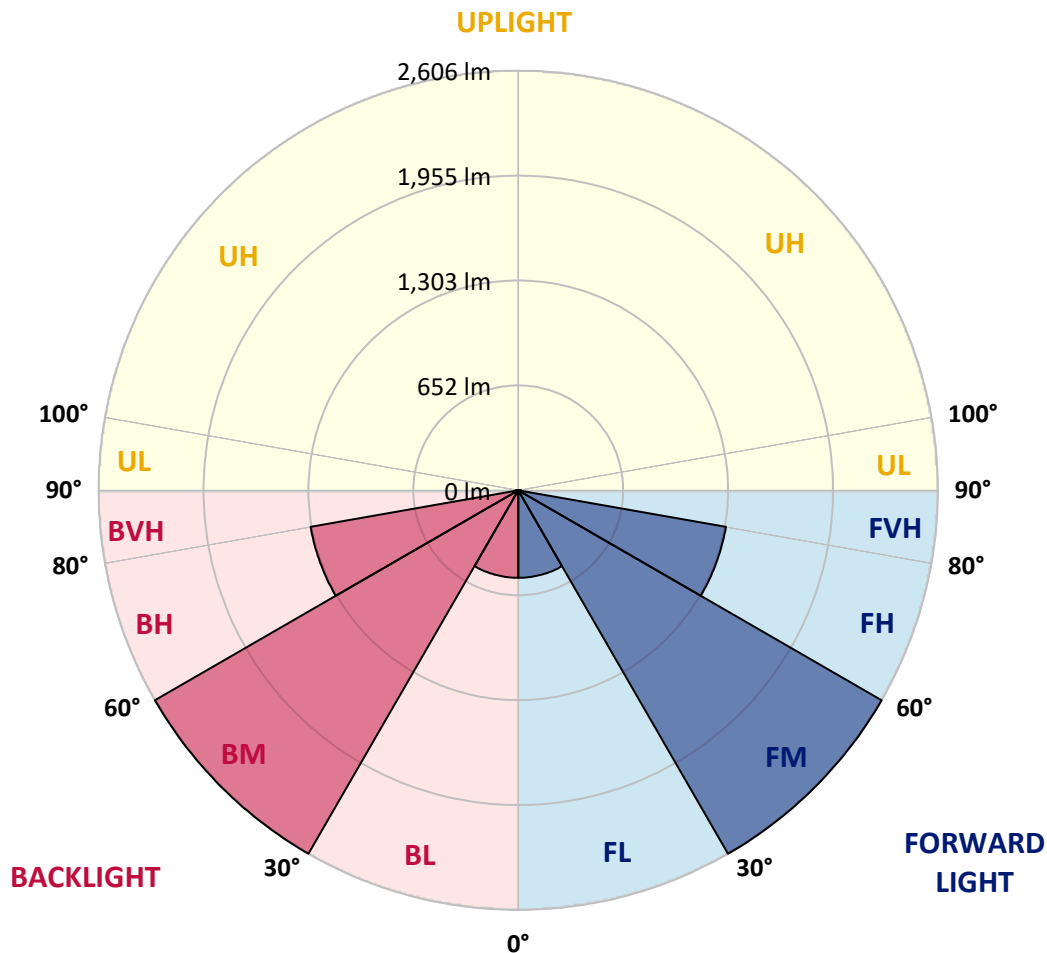
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.6	6.1			
FM (30°-60°)	2606.1	29.1			
FH (60°-80°)	1309.6	14.6			G1/1800
FVH (80°-90°)	19.2	0.2			G1/100
BL (0°-30°)	543.6	6.1	B2/1000		
BM (30°-60°)	2606.1	29.1	B3/5000		
BH (60°-80°)	1309.6	14.6	B3/2500		G1/1800
BVH (80°-90°)	19.2	0.2			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°	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7
2.5°	1085.2	1084.6	1085.2	1085.5	1083.8	1084.6	1084.3	1085.8	1086.4	1085.8	1085.8
5°	1097.7	1096.8	1098.0	1099.5	1097.1	1097.7	1096.8	1098.6	1099.2	1098.0	1098.9
7.5°	1115.0	1115.3	1116.5	1119.1	1117.6	1118.8	1117.1	1117.4	1117.1	1115.3	1115.6
10°	1133.7	1134.0	1136.1	1139.6	1140.2	1140.2	1139.1	1138.2	1137.0	1135.8	1136.1
12.5°	1156.3	1157.8	1159.3	1163.7	1163.7	1166.1	1165.5	1163.1	1161.1	1159.3	1159.3
15°	1186.9	1186.6	1188.4	1192.9	1195.0	1198.8	1198.8	1195.5	1192.9	1191.1	1190.5
17.5°	1219.0	1219.9	1221.1	1226.5	1229.7	1234.2	1234.8	1232.1	1230.3	1228.0	1226.5
20°	1256.5	1258.0	1262.7	1264.8	1267.8	1272.0	1273.4	1272.9	1271.1	1269.9	1270.2
22.5°	1300.2	1304.1	1307.0	1310.0	1313.6	1316.6	1318.0	1320.1	1318.3	1317.5	1316.9
25°	1353.1	1355.8	1361.8	1367.1	1369.5	1370.4	1372.2	1375.1	1374.8	1372.8	1372.8
27.5°	1413.2	1418.2	1425.7	1433.4	1433.4	1430.4	1436.4	1441.4	1439.7	1437.0	1433.4
30°	1486.0	1490.8	1499.4	1510.1	1504.8	1502.7	1510.7	1519.9	1517.3	1512.8	1512.2
32.5°	1564.5	1569.0	1580.3	1591.9	1585.0	1582.1	1590.7	1604.1	1599.3	1590.4	1585.0
35°	1649.6	1654.0	1670.1	1684.1	1672.5	1667.4	1674.5	1689.1	1680.8	1664.1	1660.0
37.5°	1742.0	1744.4	1765.2	1779.5	1771.5	1758.1	1767.0	1777.7	1770.6	1750.4	1742.3
40°	1838.1	1846.7	1870.8	1887.4	1873.4	1852.3	1867.2	1882.1	1871.4	1845.5	1831.8
42.5°	1950.2	1956.7	1988.8	2003.7	1981.1	1951.3	1971.6	1991.8	1981.1	1956.1	1944.2
45°	2066.7	2076.8	2115.2	2130.0	2097.3	2059.6	2084.3	2119.6	2118.7	2082.8	2070.3
47.5°	2193.7	2203.8	2249.6	2269.2	2233.8	2183.3	2218.1	2268.0	2264.4	2224.9	2214.8
50°	2340.3	2351.0	2408.0	2432.7	2399.7	2340.8	2393.2	2437.2	2430.6	2381.9	2382.8
52.5°	2524.3	2523.7	2594.8	2637.6	2603.7	2551.6	2599.8	2642.6	2615.6	2548.1	2546.0
55°	2685.4	2695.3	2783.3	2864.4	2862.4	2842.4	2861.8	2863.5	2786.2	2696.4	2685.4
57.5°	2791.3	2810.0	2934.0	3080.9	3190.9	3217.4	3179.9	3066.3	2885.2	2741.6	2724.1
60°	2726.2	2754.7	2949.5	3248.9	3573.0	3728.5	3517.1	3164.7	2808.2	2608.1	2584.4
62.5°	2286.7	2334.9	2620.0	3167.7	3901.8	4356.4	3761.5	3006.9	2502.0	2226.4	2185.6
65°	1392.7	1443.5	1787.2	2607.2	3848.6	4853.5	3650.0	2495.8	1826.2	1483.4	1439.4
67.5°	464.1	479.0	681.5	1441.1	3024.7	4360.9	3029.7	1494.1	794.8	526.9	511.4
70°	181.7	183.2	216.2	417.7	1428.4	2995.3	1576.1	425.2	226.0	178.7	182.6
72.5°	133.5	134.1	143.3	174.5	372.3	1319.5	385.6	175.4	139.4	125.2	125.2
75°	107.3	107.3	113.9	127.3	166.8	302.7	169.2	125.8	109.1	99.9	98.7
77.5°	84.7	86.5	91.6	100.2	113.0	145.7	117.1	99.6	88.0	79.4	77.6
80°	63.0	64.8	73.1	77.3	81.2	101.1	86.5	77.9	69.6	59.5	57.7
82.5°	41.3	43.1	53.5	55.9	55.0	66.0	58.3	57.4	51.1	38.4	36.6
85°	27.1	27.7	35.7	37.2	34.2	30.0	37.2	39.2	35.7	25.0	24.1
87.5°	12.8	12.8	18.1	16.9	15.5	12.5	16.9	19.9	20.2	12.2	11.9
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)