

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: P451123

Luminaire Tested: **GLAN-SA2A-727-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7935 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 63
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

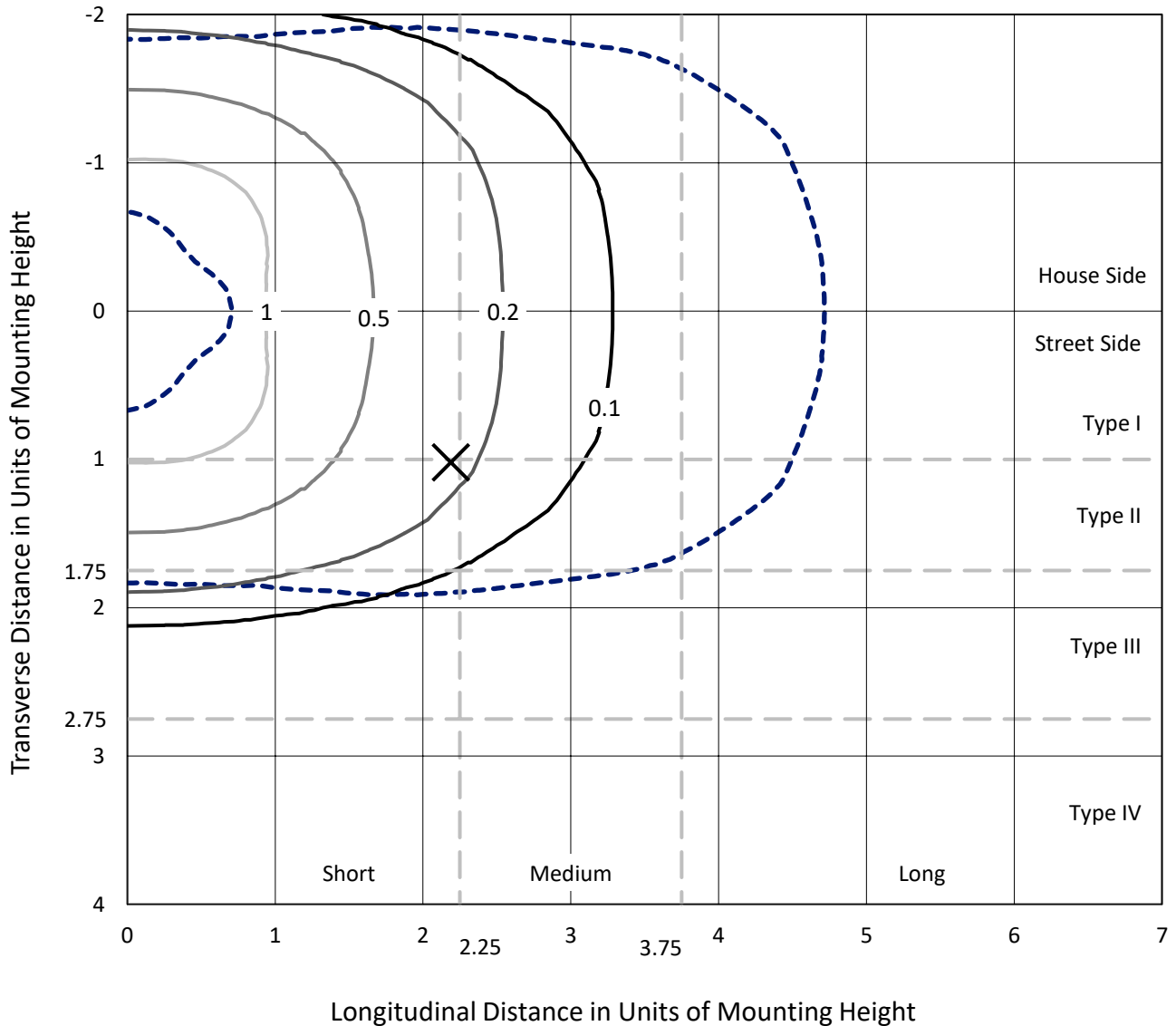




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Iso-Footcandle Lines of Horizontal Illumination

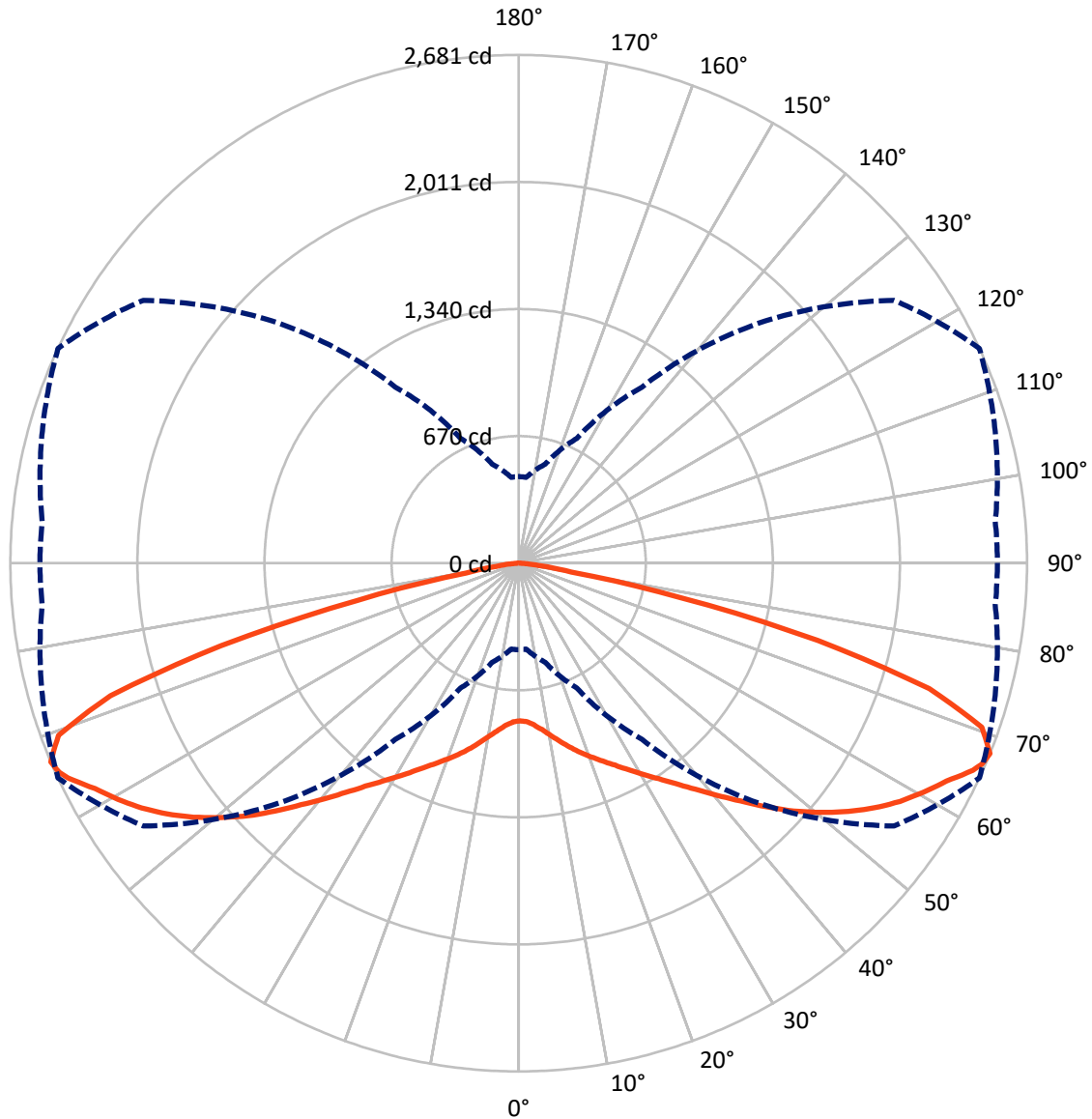
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3967.5	0.0	3967.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3967.5	0.0	3967.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7935.0	0.0	7935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.0
10°-20°	274.3	3.5
20°-30°	536.6	6.8
30°-40°	912.8	11.5
40°-50°	1444.6	18.2
50°-60°	1915.6	24.1
60°-70°	1807.0	22.8
70°-80°	893.3	11.3
80°-90°	68.8	0.9
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°	7935.0	100.0
0°-180°	7935.0	100.0

Coefficient of Utilization



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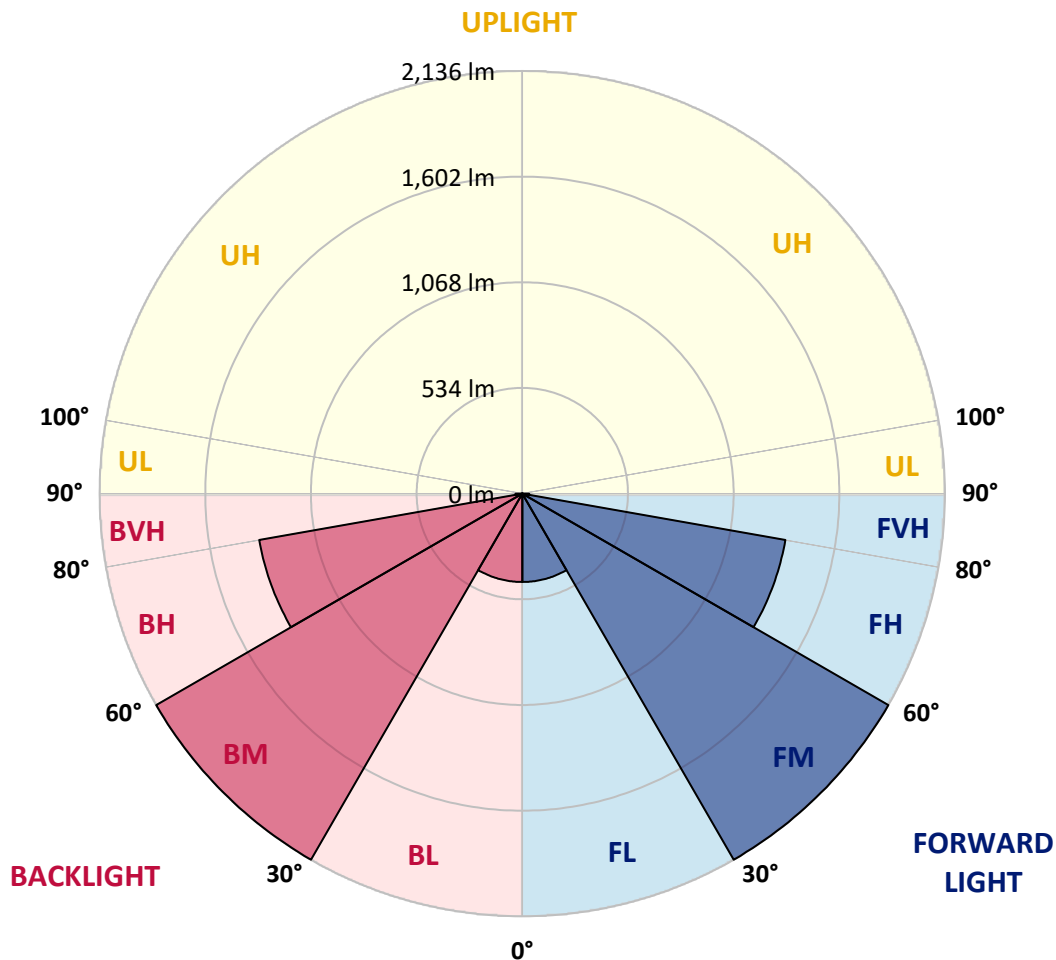
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.5	5.6			
FM	(30°-60°)	2136.5	26.9			
FH	(60°-80°)	1350.1	17.0			G1/1800
FVH	(80°-90°)	34.4	0.4			G1/100
BL	(0°-30°)	446.5	5.6	B1/500		
BM	(30°-60°)	2136.5	26.9	B2/2500		
BH	(60°-80°)	1350.1	17.0	B3/2500		G3/2500
BVH	(80°-90°)	34.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1
2.5°	826.9	827.7	828.6	829.8	831.5	834.1	835.8	837.1	840.5	840.9	840.5
5°	823.9	824.7	826.9	830.7	836.2	843.9	849.8	857.1	862.6	866.4	865.6
7.5°	823.5	825.2	828.6	836.6	847.3	860.5	874.1	886.4	897.0	905.5	904.2
10°	830.3	832.4	837.9	849.8	866.4	885.5	904.7	922.9	938.3	949.3	953.1
12.5°	841.7	843.4	853.7	871.5	895.3	919.1	940.8	963.3	984.6	1003.3	1003.3
15°	861.7	864.7	877.5	903.4	932.7	960.4	982.5	1006.3	1029.2	1050.5	1056.9
17.5°	889.4	893.6	912.7	945.9	983.3	1008.8	1029.7	1049.2	1069.2	1089.6	1092.6
20°	927.2	931.5	957.0	996.9	1041.1	1071.7	1085.8	1090.4	1100.2	1119.8	1122.3
22.5°	978.6	982.9	1011.4	1056.4	1105.8	1138.9	1144.9	1133.8	1131.3	1146.6	1148.3
25°	1036.9	1040.7	1073.4	1121.9	1172.9	1209.1	1207.4	1180.1	1164.8	1174.2	1176.7
27.5°	1102.4	1107.9	1141.0	1191.2	1246.5	1278.4	1273.3	1233.7	1201.0	1199.3	1200.1
30°	1186.1	1192.1	1223.5	1271.6	1326.0	1355.3	1344.7	1291.5	1240.9	1223.9	1223.9
32.5°	1274.5	1289.4	1321.3	1371.5	1414.0	1435.2	1419.1	1355.3	1288.1	1264.3	1263.0
35°	1389.7	1397.8	1429.3	1478.2	1510.0	1526.6	1495.6	1427.1	1349.8	1321.7	1317.9
37.5°	1502.4	1509.2	1545.8	1592.5	1631.2	1630.4	1588.3	1512.6	1426.3	1394.8	1392.3
40°	1617.6	1624.8	1666.5	1709.4	1748.1	1744.7	1693.7	1609.1	1517.3	1482.0	1488.8
42.5°	1717.5	1725.6	1772.8	1834.0	1868.9	1868.0	1808.9	1713.7	1618.0	1586.6	1592.5
45°	1808.5	1815.7	1870.6	1940.7	1991.7	1998.1	1933.5	1832.7	1734.5	1694.1	1695.8
47.5°	1872.7	1886.3	1943.7	2024.0	2093.3	2115.9	2052.5	1953.9	1840.8	1798.7	1801.3
50°	1921.6	1930.1	1992.6	2084.0	2171.5	2218.3	2167.3	2066.1	1947.1	1902.4	1908.4
52.5°	1927.5	1937.7	2005.7	2111.2	2223.4	2294.4	2269.3	2175.8	2055.5	2009.6	2022.3
55°	1879.1	1885.0	1966.2	2094.2	2243.8	2350.9	2357.3	2277.8	2158.8	2123.9	2132.4
57.5°	1740.9	1756.2	1859.1	2014.7	2215.8	2381.1	2423.2	2370.5	2263.4	2228.9	2242.5
60°	1514.3	1529.6	1632.9	1830.2	2109.9	2367.1	2477.6	2452.6	2358.2	2330.5	2337.8
62.5°	1186.5	1185.3	1313.2	1555.1	1899.5	2298.2	2518.0	2531.6	2451.7	2416.8	2427.9
65°	769.1	772.9	896.6	1157.2	1581.9	2123.1	2526.9	2632.4	2543.5	2490.8	2498.9
66°	618.6	630.0	735.0	975.2	1419.9	2008.3	2500.2	2662.1	2571.6	2507.8	2511.6
67.5°	456.6	454.5	540.8	726.1	1133.8	1790.2	2416.4	2680.8	2603.5	2523.1	2524.8
70°	260.6	260.2	290.8	398.8	666.6	1260.5	2036.8	2591.1	2668.1	2578.4	2573.7
72.5°	190.5	189.2	193.4	220.2	325.2	636.4	1405.0	2264.6	2634.9	2569.5	2556.3
75°	159.8	159.0	158.1	161.5	182.4	288.2	745.7	1629.1	2286.3	2411.7	2398.1
77.5°	130.5	130.5	130.9	130.1	130.9	151.8	309.1	873.2	1392.3	1554.3	1592.1
80°	102.0	101.6	108.8	105.9	99.1	97.4	136.9	281.0	462.1	459.6	379.2
82.5°	75.2	70.1	82.9	80.8	73.1	62.1	79.9	119.9	154.3	100.3	74.4
85°	47.6	47.2	58.7	53.6	44.6	29.3	38.3	51.4	63.8	38.7	31.5
87.5°	8.5	8.1	18.7	13.6	13.6	8.5	10.6	14.0	20.8	14.5	10.6
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)