

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: P317106

Luminaire Tested: **GAN-SA2A-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9746 lumens
Efficiency: N/A
Efficacy: 147.7 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): 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

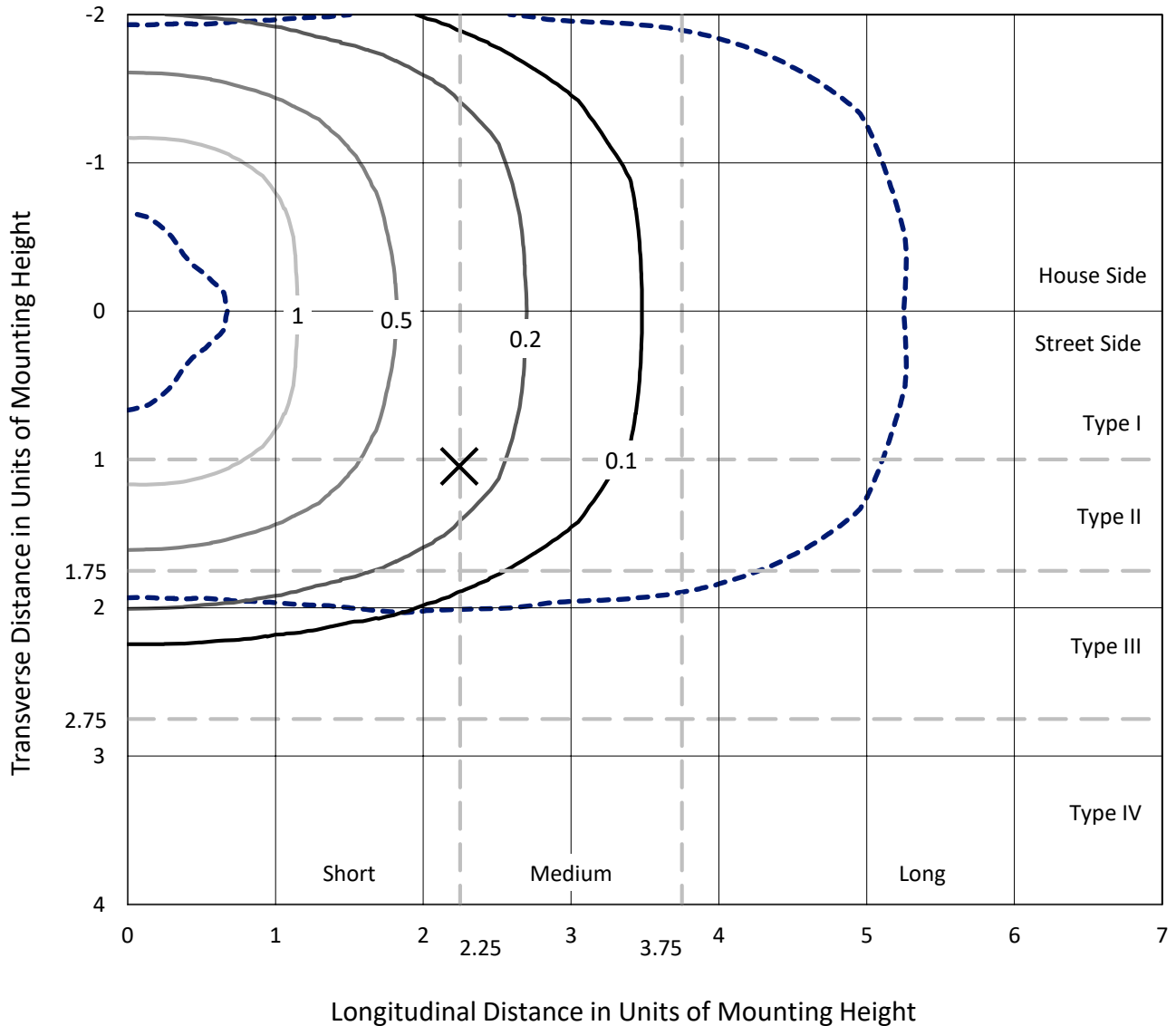




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Iso-Footcandle Lines of Horizontal Illumination

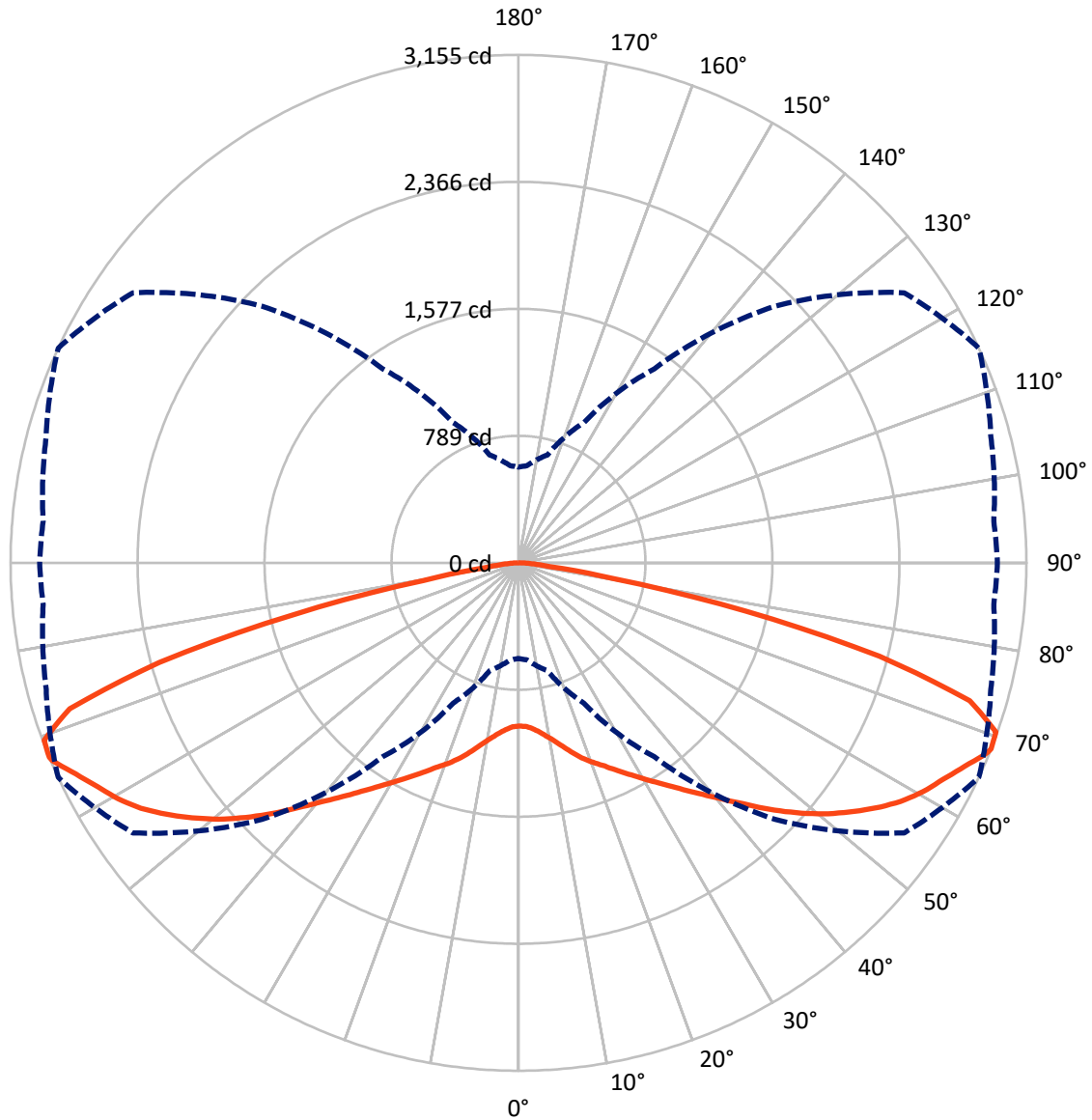
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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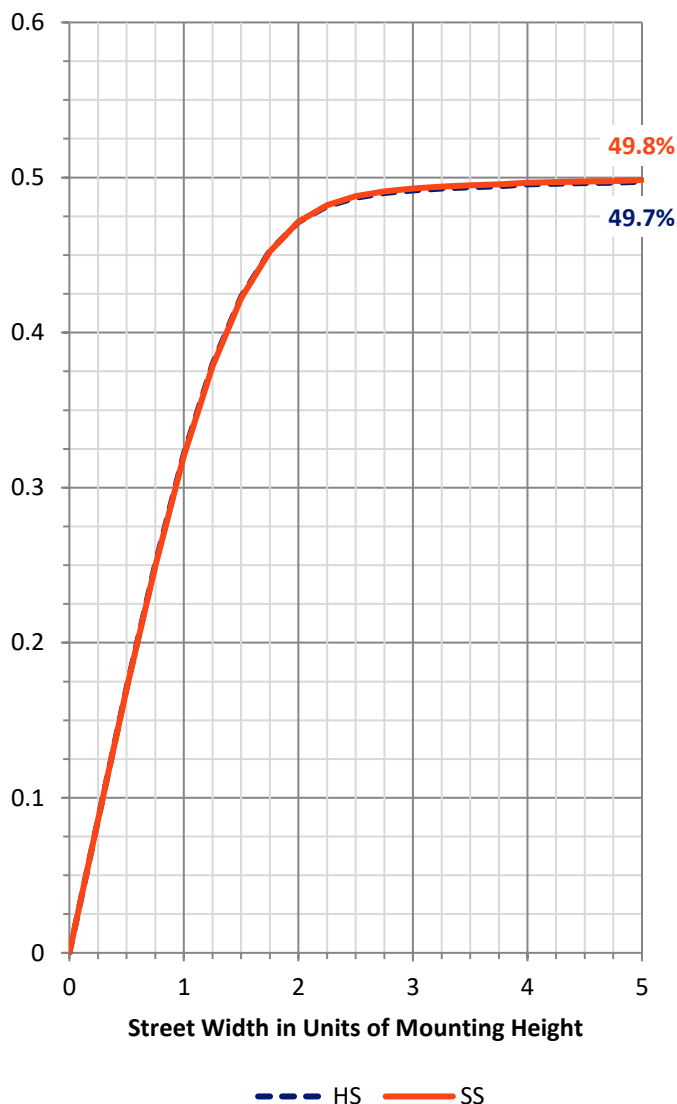
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4873.0	0.0	4873.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4873.0	0.0	4873.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9746.0	0.0	9746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.0
10°-20°	332.2	3.4
20°-30°	647.7	6.6
30°-40°	1088.1	11.2
40°-50°	1714.5	17.6
50°-60°	2292.9	23.5
60°-70°	2229.0	22.9
70°-80°	1218.5	12.5
80°-90°	123.9	1.3
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°	9746.0	100.0
0°-180°	9746.0	100.0

Coefficient of Utilization



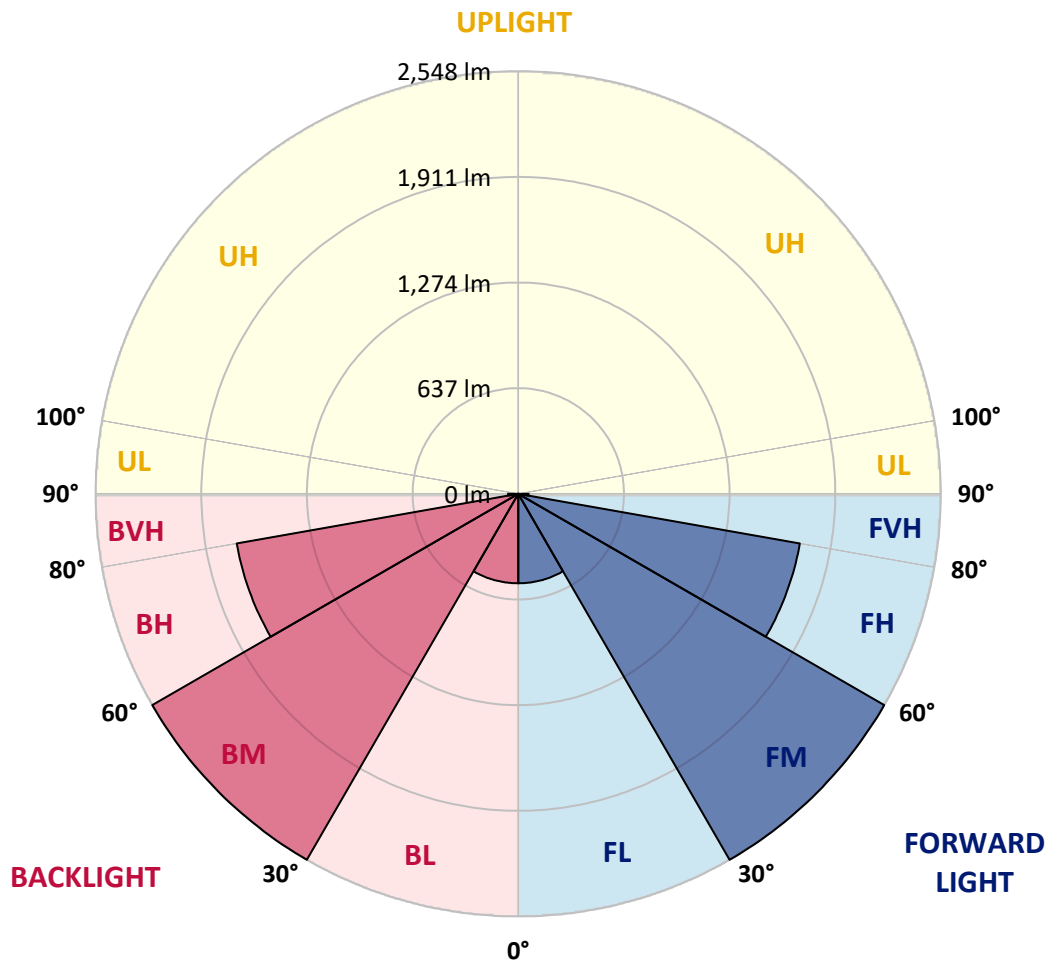
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	539.6	5.5			
FM	(30°-60°)	2547.8	26.1			
FH	(60°-80°)	1723.7	17.7			G1/1800
FVH	(80°-90°)	62.0	0.6			G1/100
BL	(0°-30°)	539.6	5.5	B2/1000		
BM	(30°-60°)	2547.8	26.1	B3/5000		
BH	(60°-80°)	1723.7	17.7	B3/2500		G3/2500
BVH	(80°-90°)	62.0	0.6			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°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1006.2	1006.5	1008.1	1010.1	1011.7	1016.0	1016.9	1018.6	1019.2	1020.9	1020.9
5°	997.3	998.0	1001.9	1007.1	1013.0	1023.5	1031.0	1039.5	1043.7	1048.3	1048.0
7.5°	996.4	998.0	1003.6	1012.0	1021.9	1039.2	1054.9	1071.8	1083.3	1093.7	1093.1
10°	1006.5	1009.1	1016.9	1029.7	1044.4	1066.0	1089.2	1112.0	1132.0	1148.0	1148.6
12.5°	1021.9	1025.1	1037.5	1056.8	1079.0	1106.8	1134.3	1160.1	1187.5	1211.4	1213.3
15°	1042.1	1046.4	1065.0	1093.7	1127.7	1160.7	1190.1	1216.6	1248.3	1281.3	1284.6
17.5°	1072.2	1078.1	1102.6	1141.5	1186.2	1222.5	1253.2	1273.1	1299.6	1333.6	1339.8
20°	1117.9	1125.4	1156.5	1202.9	1257.5	1295.4	1318.9	1323.1	1336.2	1366.6	1373.8
22.5°	1177.4	1183.9	1218.6	1273.8	1334.9	1376.1	1388.5	1371.5	1370.2	1394.7	1401.6
25°	1243.7	1249.6	1289.8	1351.9	1417.6	1463.0	1462.7	1429.7	1406.8	1425.8	1432.9
27.5°	1318.2	1327.4	1366.0	1431.3	1501.6	1546.3	1543.7	1492.7	1449.3	1454.2	1460.4
30°	1403.9	1414.0	1451.6	1517.9	1588.2	1632.0	1628.7	1561.4	1496.0	1482.9	1487.5
32.5°	1510.1	1522.2	1557.8	1623.1	1685.2	1724.8	1715.3	1635.9	1552.2	1523.8	1528.0
35°	1637.8	1645.0	1682.6	1747.0	1797.3	1824.4	1804.5	1722.1	1623.5	1589.1	1589.1
37.5°	1767.2	1772.8	1815.0	1877.4	1926.1	1940.4	1901.6	1816.6	1716.6	1667.9	1668.9
40°	1891.4	1906.5	1953.8	2017.9	2065.9	2069.8	2018.2	1924.4	1820.2	1769.9	1775.7
42.5°	2021.2	2035.9	2092.4	2164.9	2207.4	2214.0	2153.5	2045.3	1937.2	1896.3	1902.9
45°	2136.8	2148.6	2214.0	2298.3	2351.2	2368.2	2296.6	2183.9	2063.6	2023.8	2025.4
47.5°	2217.6	2232.9	2304.8	2404.1	2481.3	2507.4	2437.1	2318.9	2188.1	2139.8	2144.0
50°	2290.8	2298.9	2371.8	2480.3	2578.3	2632.2	2572.1	2452.2	2314.0	2262.6	2267.2
52.5°	2331.6	2342.1	2412.6	2525.7	2641.7	2728.6	2692.0	2572.1	2435.5	2385.5	2391.1
55°	2303.2	2311.0	2395.6	2535.8	2680.9	2788.1	2793.7	2689.4	2554.8	2511.0	2526.7
57.5°	2173.8	2183.6	2286.8	2470.5	2685.8	2828.3	2870.1	2798.2	2666.2	2630.6	2639.8
60°	1971.5	1977.7	2087.8	2294.3	2590.4	2845.0	2918.8	2887.1	2775.4	2739.8	2752.2
62.5°	1611.0	1620.2	1751.9	2028.7	2388.8	2795.6	2965.9	2960.7	2877.0	2844.3	2855.4
65°	1101.3	1117.3	1263.0	1613.0	2078.0	2644.7	3008.7	3046.3	2966.9	2925.7	2940.4
67.5°	665.0	676.8	782.3	1065.0	1590.1	2340.1	2964.6	3143.7	3030.3	2963.9	2976.0
68°	594.4	605.2	693.4	961.1	1470.9	2254.2	2924.4	3154.8	3037.1	2963.3	2974.1
70°	359.1	366.3	425.5	594.1	980.7	1788.2	2650.2	3145.6	3080.9	2972.4	2978.6
72.5°	234.0	236.3	246.1	304.9	501.0	1000.0	1989.1	2931.2	3146.6	3025.7	3024.7
75°	194.4	193.1	194.1	201.0	247.0	438.5	1162.4	2315.6	2999.5	2941.7	2921.1
77.5°	164.4	163.4	163.1	163.4	165.4	211.8	504.6	1442.4	2295.3	2602.2	2620.5
80°	133.0	131.7	135.9	134.0	128.1	131.7	211.4	600.0	1082.0	1164.0	1090.8
82.5°	96.7	91.8	110.1	104.9	100.0	92.8	116.7	193.8	258.2	177.1	124.5
85°	74.5	69.3	83.7	80.4	68.6	47.4	69.3	94.8	104.6	59.8	47.1
87.5°	30.4	32.0	60.5	47.7	40.2	22.9	28.4	37.9	51.0	25.5	19.6
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)