

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: P317036

Luminaire Tested: **GAN-SA2B-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317036
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-SA2B-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9994 lumens
Efficiency: N/A
Efficacy: 117.6 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): 85
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

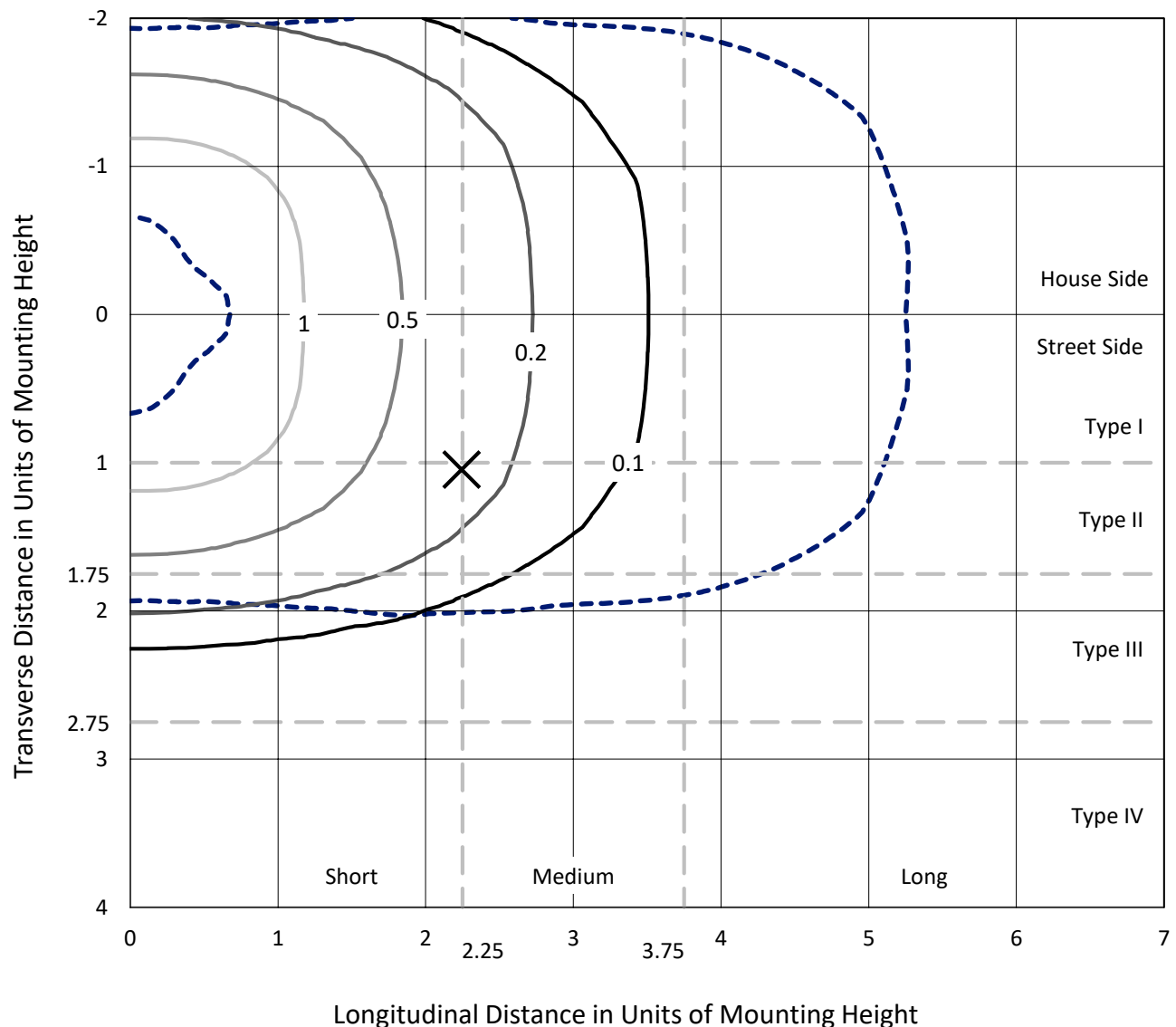


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Iso-Footcandle Lines of Horizontal Illumination

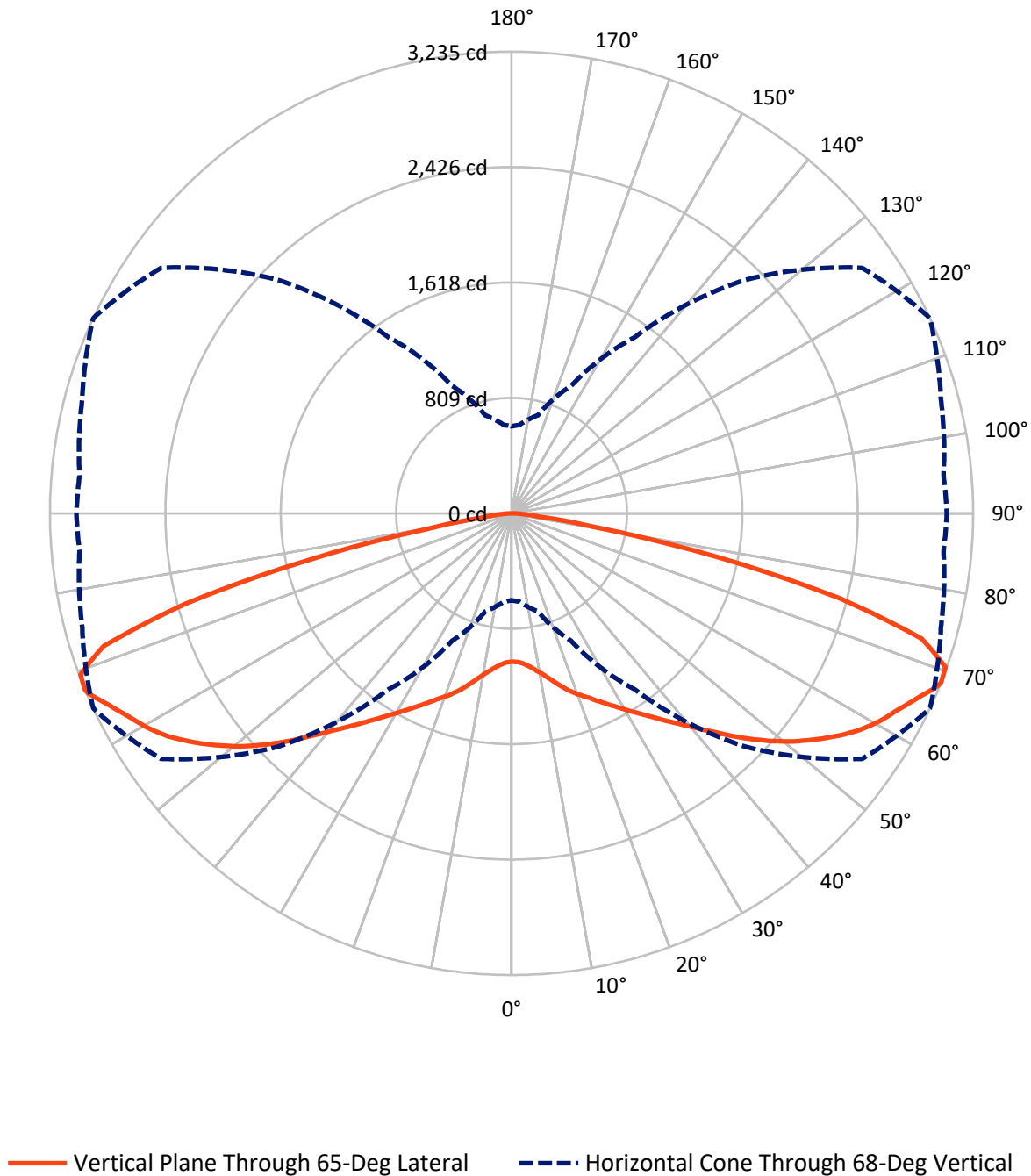
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4997.0	0.0	4997.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4997.0	0.0	4997.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9994.0	0.0	9994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	1.0
10°-20°	340.7	3.4
20°-30°	664.2	6.6
30°-40°	1115.8	11.2
40°-50°	1758.1	17.6
50°-60°	2351.2	23.5
60°-70°	2285.7	22.9
70°-80°	1249.5	12.5
80°-90°	127.1	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°	9994.0	100.0
0°-180°	9994.0	100.0

Coefficient of Utilization



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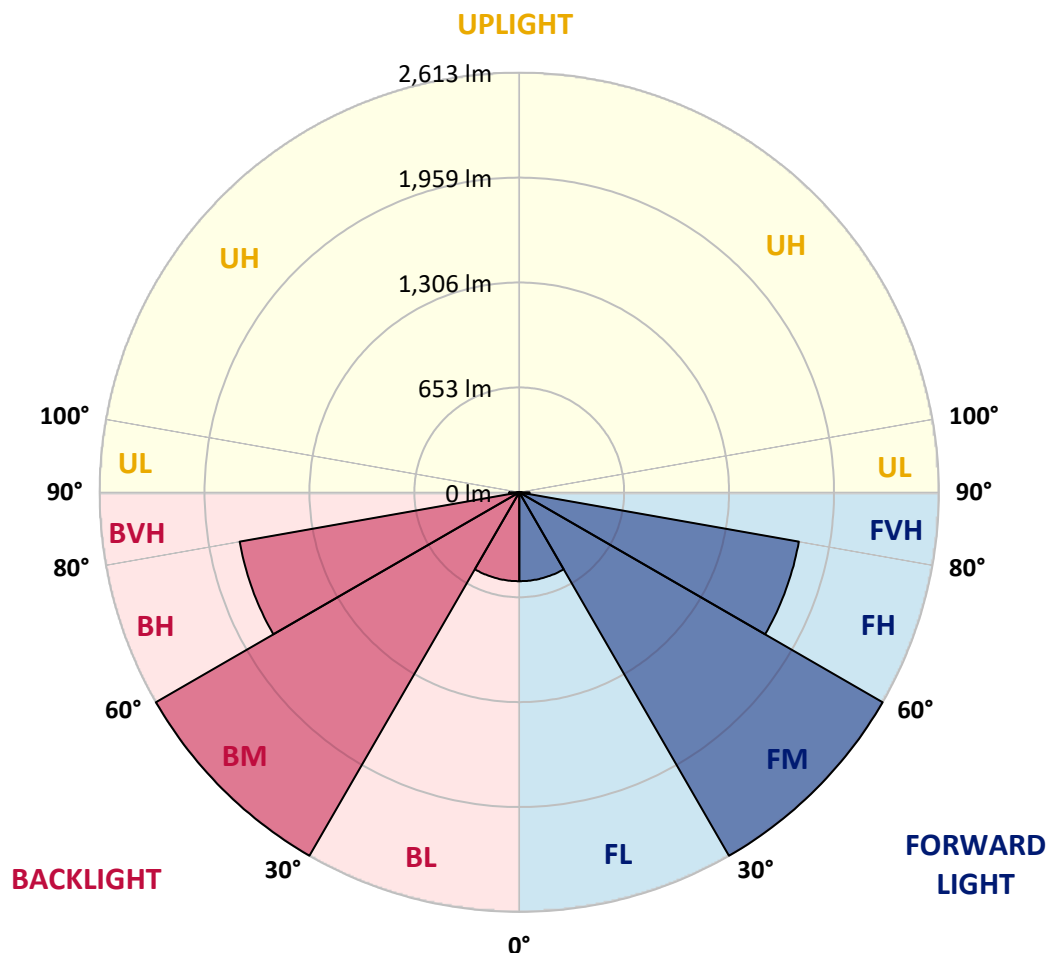
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	553.3	5.5			
FM	(30°-60°)	2612.6	26.1			
FH	(60°-80°)	1767.6	17.7			G1/1800
FVH	(80°-90°)	63.5	0.6			G1/100
BL	(0°-30°)	553.3	5.5	B2/1000		
BM	(30°-60°)	2612.6	26.1	B3/5000		
BH	(60°-80°)	1767.6	17.7	B3/2500		G3/2500
BVH	(80°-90°)	63.5	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°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1031.8	1032.1	1033.8	1035.8	1037.5	1041.8	1042.8	1044.5	1045.2	1046.8	1046.8
5°	1022.7	1023.4	1027.4	1032.8	1038.8	1049.5	1057.2	1065.9	1070.3	1075.0	1074.7
7.5°	1021.7	1023.4	1029.1	1037.8	1047.9	1065.6	1081.7	1099.1	1110.9	1121.6	1120.9
10°	1032.1	1034.8	1042.8	1055.9	1071.0	1093.1	1116.9	1140.3	1160.8	1177.2	1177.9
12.5°	1047.9	1051.2	1063.9	1083.7	1106.5	1135.0	1163.1	1189.6	1217.7	1242.2	1244.2
15°	1068.6	1073.0	1092.1	1121.6	1156.4	1190.3	1220.4	1247.6	1280.1	1313.9	1317.3
17.5°	1099.5	1105.5	1130.6	1170.5	1216.4	1253.6	1285.1	1305.5	1332.7	1367.5	1373.9
20°	1146.4	1154.1	1185.9	1233.5	1289.5	1328.3	1352.5	1356.8	1370.2	1401.4	1408.8
22.5°	1207.4	1214.1	1249.6	1306.2	1368.9	1411.1	1423.8	1406.4	1405.1	1430.2	1437.2
25°	1275.4	1281.4	1322.6	1386.3	1453.7	1500.2	1499.9	1466.1	1442.6	1462.0	1469.4
27.5°	1351.8	1361.2	1400.7	1467.7	1539.8	1585.7	1583.0	1530.7	1486.2	1491.2	1497.6
30°	1439.6	1450.0	1488.5	1556.5	1628.6	1673.5	1670.1	1601.1	1534.1	1520.7	1525.4
32.5°	1548.5	1560.9	1597.4	1664.4	1728.1	1768.7	1758.9	1677.5	1591.7	1562.6	1566.9
35°	1679.5	1686.9	1725.4	1791.4	1843.0	1870.9	1850.4	1766.0	1664.8	1629.6	1629.6
37.5°	1812.2	1817.9	1861.1	1925.1	1975.1	1989.8	1949.9	1862.8	1760.3	1710.3	1711.3
40°	1939.6	1955.0	2003.6	2069.2	2118.5	2122.5	2069.6	1973.4	1866.5	1814.9	1820.9
42.5°	2072.6	2087.7	2145.6	2220.0	2263.6	2270.3	2208.3	2097.4	1986.5	1944.6	1951.3
45°	2191.2	2203.3	2270.3	2356.7	2411.0	2428.5	2355.1	2239.5	2116.1	2075.3	2076.9
47.5°	2274.0	2289.7	2363.5	2465.3	2544.4	2571.2	2499.2	2377.9	2243.8	2194.2	2198.6
50°	2349.0	2357.4	2432.1	2543.4	2643.9	2699.2	2637.6	2514.6	2372.8	2320.2	2324.9
52.5°	2390.9	2401.7	2474.0	2590.0	2708.9	2798.1	2760.5	2637.6	2497.5	2446.2	2451.9
55°	2361.8	2369.8	2456.6	2600.4	2749.1	2859.1	2864.8	2757.9	2619.8	2574.9	2591.0
57.5°	2229.1	2239.1	2345.0	2533.3	2754.2	2900.3	2943.2	2869.4	2734.1	2697.5	2706.9
60°	2021.7	2028.0	2140.9	2352.7	2656.3	2917.4	2993.1	2960.6	2846.0	2809.5	2822.2
62.5°	1652.0	1661.4	1796.5	2080.3	2449.6	2866.8	3041.4	3036.0	2950.2	2916.7	2928.1
65°	1129.3	1145.7	1295.2	1654.0	2130.9	2712.0	3085.3	3123.8	3042.4	3000.1	3015.2
67.5°	681.9	694.0	802.2	1092.1	1630.6	2399.6	3040.0	3223.6	3107.4	3039.3	3051.7
68°	609.5	620.6	711.1	985.5	1508.3	2311.5	2998.8	3235.0	3114.4	3038.7	3049.7
70°	368.3	375.6	436.3	609.2	1005.6	1833.7	2717.6	3225.7	3159.3	3048.1	3054.4
72.5°	239.9	242.3	252.3	312.6	513.7	1025.4	2039.7	3005.8	3226.7	3102.7	3101.7
75°	199.4	198.0	199.0	206.1	253.3	449.7	1191.9	2374.5	3075.9	3016.6	2995.4
77.5°	168.6	167.5	167.2	167.5	169.6	217.1	517.4	1479.1	2353.7	2668.4	2687.2
80°	136.4	135.0	139.4	137.4	131.4	135.0	216.8	615.2	1109.5	1193.6	1118.6
82.5°	99.2	94.2	112.9	107.6	102.5	95.2	119.6	198.7	264.7	181.6	127.7
85°	76.4	71.0	85.8	82.4	70.4	48.6	71.0	97.2	107.2	61.3	48.3
87.5°	31.2	32.8	62.0	48.9	41.2	23.5	29.2	38.9	52.3	26.1	20.1
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)