

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: P317156

Luminaire Tested: **GAN-SA2B-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317156
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11951 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

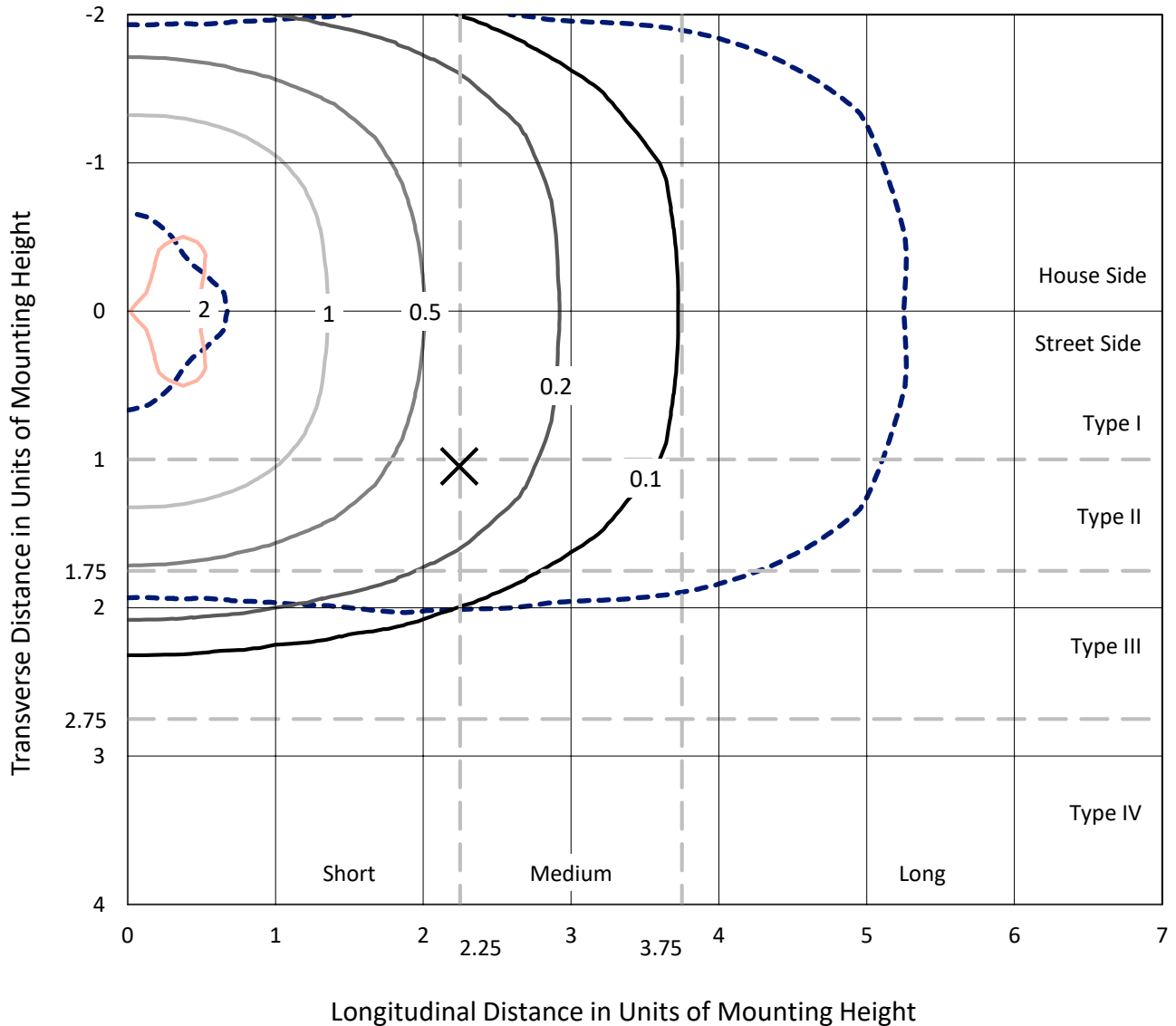
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

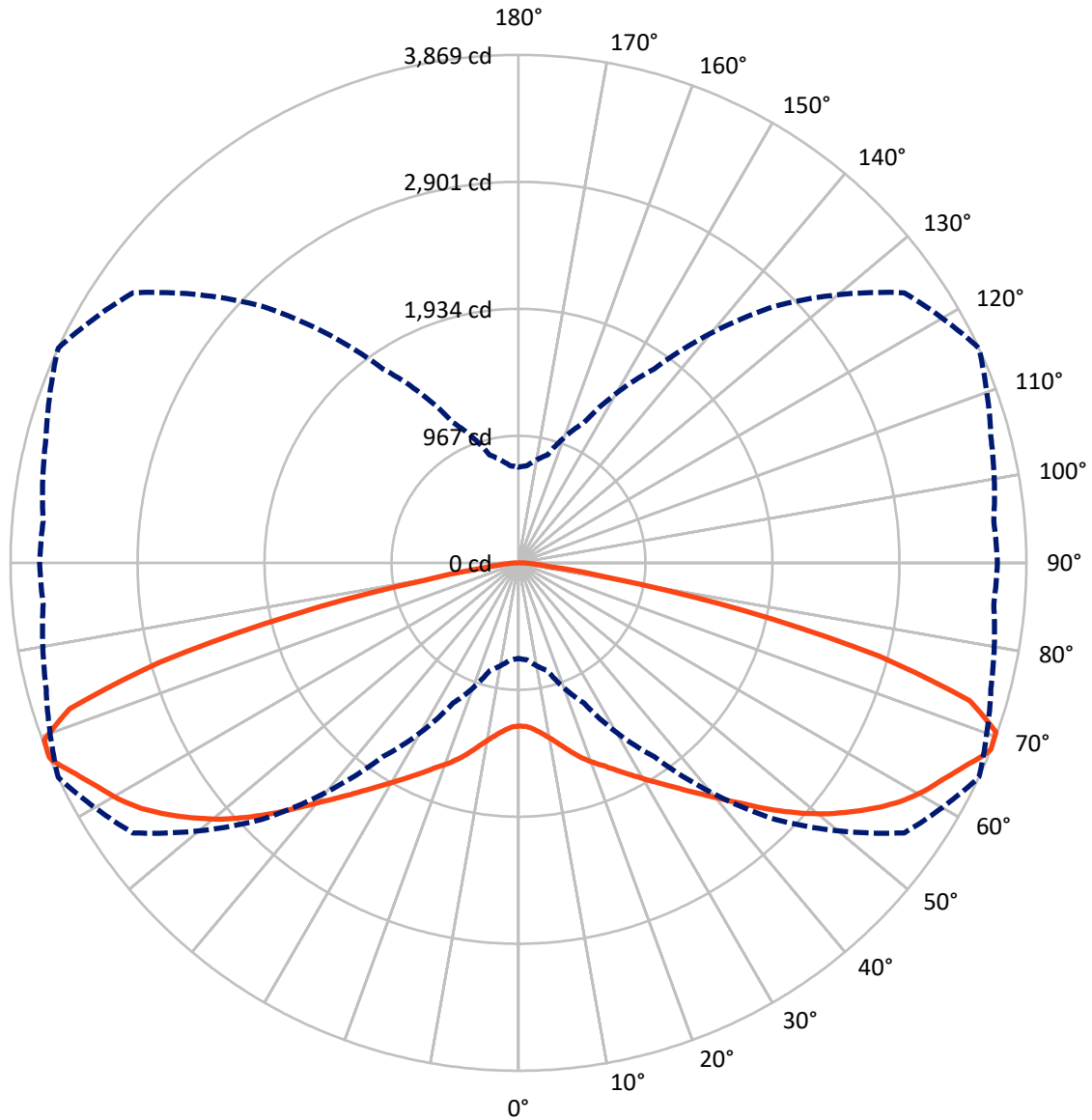
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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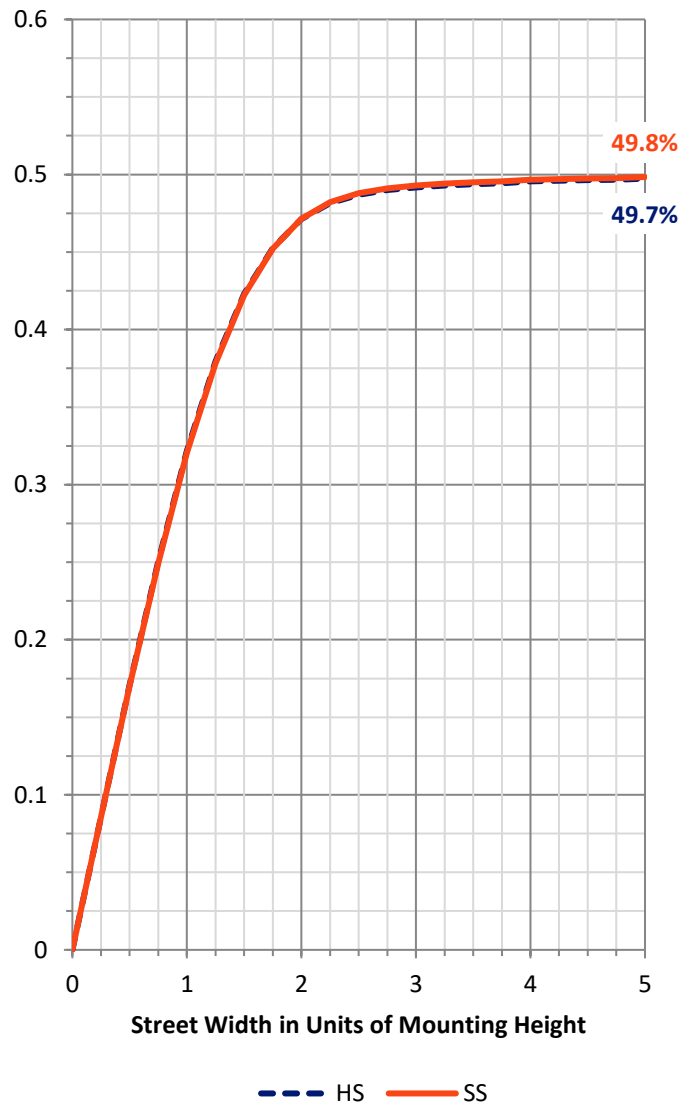
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5975.5	0.0	5975.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5975.5	0.0	5975.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11951.0	0.0	11951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	1.0
10°-20°	407.4	3.4
20°-30°	794.3	6.6
30°-40°	1334.3	11.2
40°-50°	2102.4	17.6
50°-60°	2811.6	23.5
60°-70°	2733.2	22.9
70°-80°	1494.1	12.5
80°-90°	152.0	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°	11951.0	100.0
0°-180°	11951.0	100.0

Coefficient of Utilization

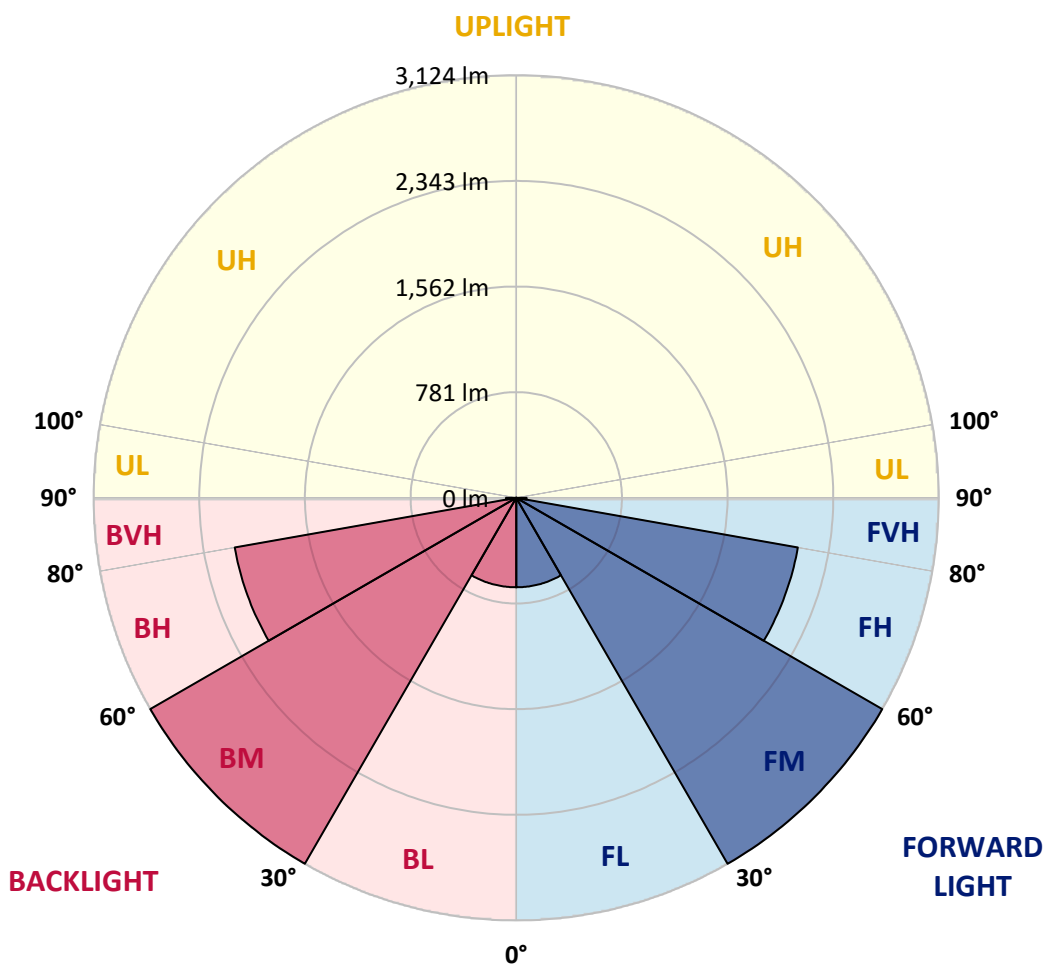


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.7	5.5			
FM (30°-60°)	3124.2	26.1			
FH (60°-80°)	2113.7	17.7			G2/5000
FVH (80°-90°)	76.0	0.6			G1/100
BL (0°-30°)	661.7	5.5	B2/1000		
BM (30°-60°)	3124.2	26.1	B3/5000		
BH (60°-80°)	2113.7	17.7	B3/2500		G3/2500
BVH (80°-90°)	76.0	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°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6
2.5°	1233.8	1234.2	1236.2	1238.6	1240.6	1245.8	1247.0	1249.0	1249.8	1251.8	1251.8
5°	1223.0	1223.8	1228.6	1235.0	1242.2	1255.0	1264.3	1274.7	1279.9	1285.5	1285.1
7.5°	1221.8	1223.8	1230.6	1241.0	1253.0	1274.3	1293.5	1314.4	1328.4	1341.2	1340.4
10°	1234.2	1237.4	1247.0	1262.7	1280.7	1307.1	1335.6	1363.6	1388.1	1407.7	1408.5
12.5°	1253.0	1257.0	1272.3	1295.9	1323.2	1357.2	1390.9	1422.5	1456.2	1485.5	1487.9
15°	1277.9	1283.1	1305.9	1341.2	1382.9	1423.3	1459.4	1491.9	1530.7	1571.2	1575.2
17.5°	1314.8	1322.0	1352.0	1399.7	1454.6	1499.1	1536.7	1561.2	1593.7	1635.3	1642.9
20°	1370.9	1380.1	1418.1	1475.0	1542.0	1588.4	1617.3	1622.5	1638.5	1675.8	1684.6
22.5°	1443.8	1451.8	1494.3	1562.0	1636.9	1687.4	1702.6	1681.8	1680.2	1710.3	1718.7
25°	1525.1	1532.3	1581.6	1657.8	1738.3	1794.0	1793.6	1753.1	1725.1	1748.3	1757.1
27.5°	1616.5	1627.7	1675.0	1755.1	1841.3	1896.2	1893.0	1830.5	1777.2	1783.2	1790.8
30°	1721.5	1733.9	1780.0	1861.3	1947.5	2001.2	1997.2	1914.6	1834.5	1818.5	1824.1
32.5°	1851.7	1866.5	1910.2	1990.4	2066.5	2115.0	2103.4	2006.0	1903.4	1868.5	1873.8
35°	2008.4	2017.2	2063.3	2142.2	2203.9	2237.2	2212.8	2111.8	1990.8	1948.7	1948.7
37.5°	2167.1	2173.9	2225.6	2302.1	2361.8	2379.5	2331.8	2227.6	2105.0	2045.3	2046.5
40°	2319.3	2337.8	2395.9	2474.4	2533.3	2538.1	2474.8	2359.8	2232.0	2170.3	2177.5
42.5°	2478.4	2496.5	2565.8	2654.7	2706.8	2714.9	2640.7	2508.1	2375.4	2325.4	2333.4
45°	2620.3	2634.7	2714.9	2818.2	2883.2	2904.0	2816.2	2678.0	2530.5	2481.6	2483.6
47.5°	2719.3	2738.1	2826.3	2948.1	3042.6	3074.7	2988.5	2843.5	2683.2	2623.9	2629.1
50°	2809.0	2819.0	2908.4	3041.4	3161.7	3227.8	3154.0	3007.0	2837.5	2774.6	2780.2
52.5°	2859.1	2871.9	2958.5	3097.1	3239.4	3346.0	3301.1	3154.0	2986.5	2925.2	2932.0
55°	2824.3	2833.9	2937.7	3109.6	3287.5	3418.9	3425.7	3297.9	3132.8	3079.1	3098.3
57.5°	2665.6	2677.6	2804.2	3029.4	3293.5	3468.2	3519.5	3431.3	3269.4	3225.8	3237.0
60°	2417.5	2425.1	2560.2	2813.4	3176.5	3488.6	3579.2	3540.3	3403.3	3359.6	3374.8
62.5°	1975.5	1986.8	2148.2	2487.6	2929.2	3428.1	3636.9	3630.5	3527.9	3487.8	3501.5
65°	1350.4	1370.1	1548.8	1977.9	2548.2	3243.0	3689.4	3735.5	3638.1	3587.6	3605.6
67.5°	815.5	829.9	959.3	1305.9	1949.9	2869.5	3635.3	3854.9	3715.8	3634.5	3649.3
68°	728.9	742.1	850.3	1178.5	1803.6	2764.1	3586.0	3868.5	3724.3	3633.7	3646.9
70°	440.4	449.2	521.7	728.5	1202.6	2192.7	3249.8	3857.3	3778.0	3644.9	3652.5
72.5°	286.9	289.7	301.7	373.9	614.3	1226.2	2439.2	3594.4	3858.5	3710.2	3709.0
75°	238.4	236.8	238.0	246.4	302.9	537.8	1425.3	2839.5	3678.2	3607.3	3582.0
77.5°	201.6	200.4	200.0	200.4	202.8	259.7	618.7	1768.8	2814.6	3190.9	3213.3
80°	163.1	161.5	166.7	164.3	157.1	161.5	259.3	735.7	1326.8	1427.4	1337.6
82.5°	118.6	112.6	135.0	128.6	122.6	113.8	143.1	237.6	316.6	217.2	152.7
85°	91.4	85.0	102.6	98.6	84.2	58.1	85.0	116.2	128.2	73.3	57.7
87.5°	37.3	39.3	74.1	58.5	49.3	28.1	34.9	46.5	62.5	31.3	24.0
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)