

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: P317116

Luminaire Tested: **GAN-SA2B-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317116
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11952 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

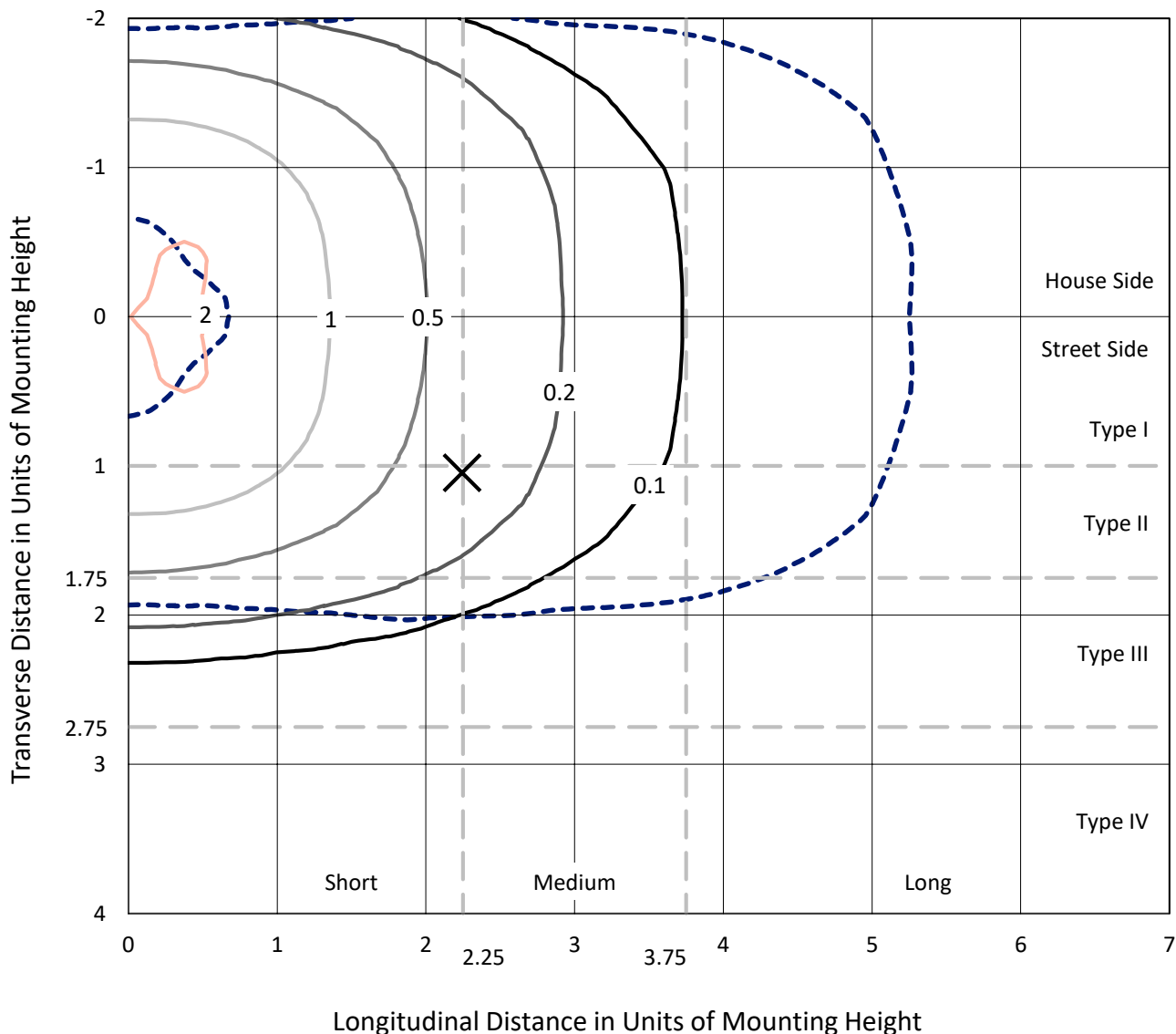
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

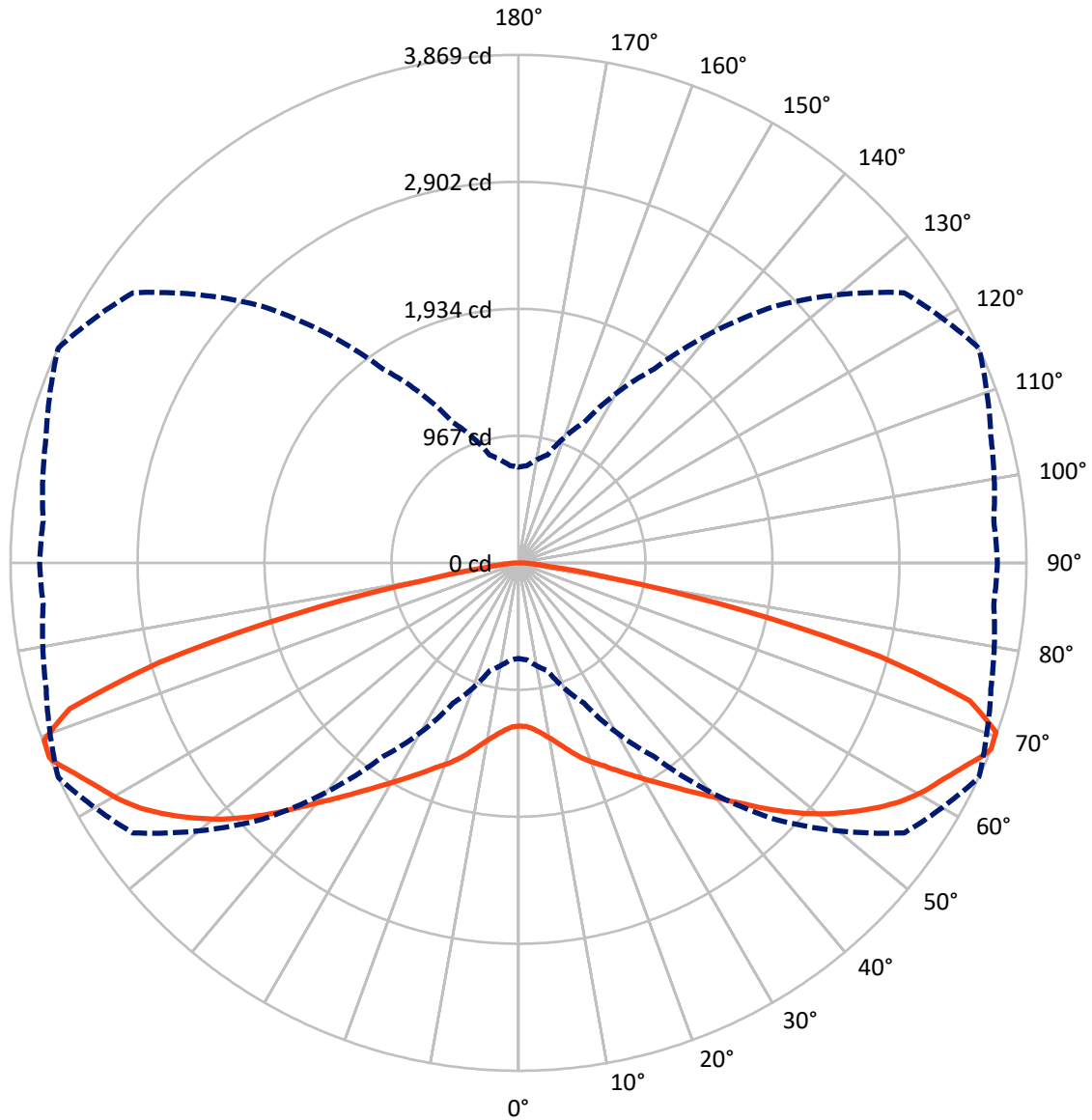
× Max cd
 - - - 1/2 Max cd



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	5976.0	0.0	5976.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5976.0	0.0	5976.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11952.0	0.0	11952.0
	% 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°	1334.4	11.2
40°-50°	2102.6	17.6
50°-60°	2811.9	23.5
60°-70°	2733.5	22.9
70°-80°	1494.3	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°	11952.0	100.0
0°-180°	11952.0	100.0

Coefficient of Utilization



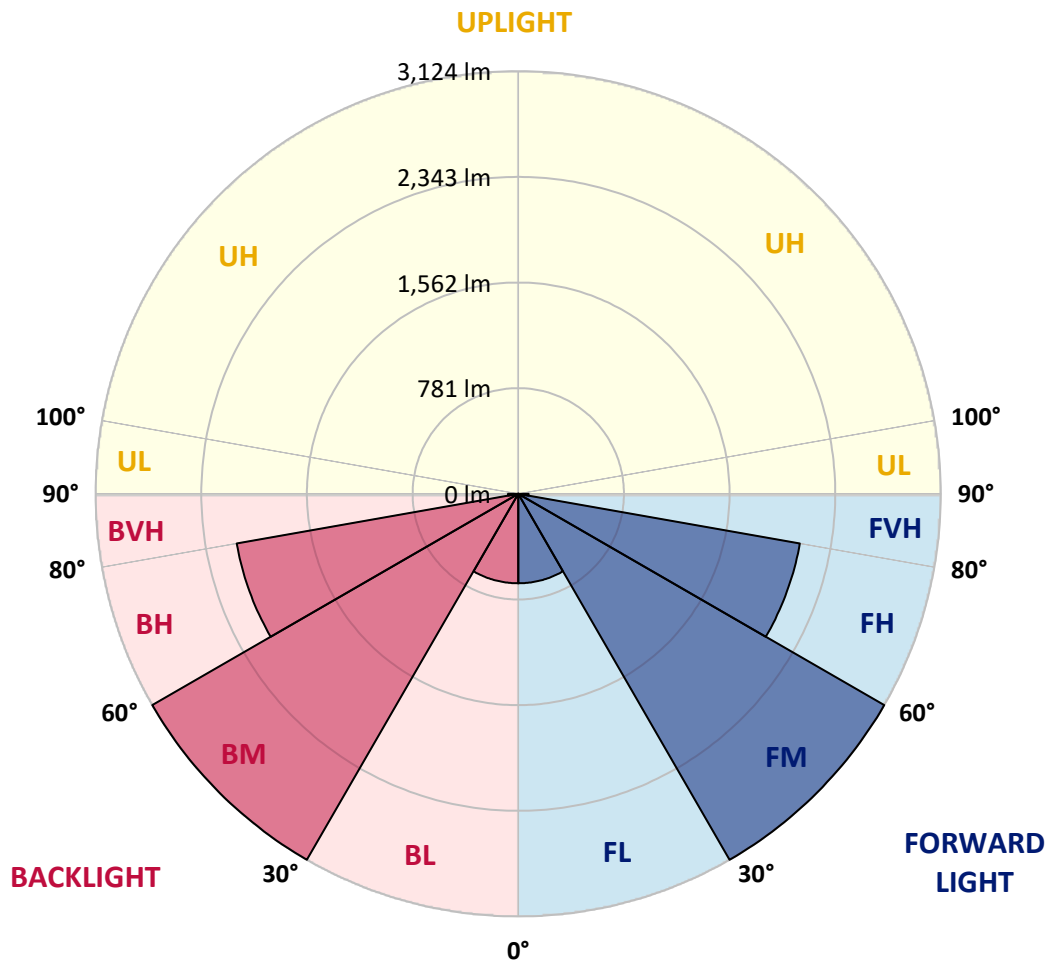
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.7	5.5			
FM (30°-60°)	3124.4	26.1			
FH (60°-80°)	2113.9	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°)	3124.4	26.1	B3/5000		
BH (60°-80°)	2113.9	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°	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7
2.5°	1233.9	1234.3	1236.3	1238.7	1240.7	1245.9	1247.1	1249.1	1249.9	1251.9	1251.9
5°	1223.1	1223.9	1228.7	1235.1	1242.3	1255.2	1264.4	1274.8	1280.0	1285.6	1285.2
7.5°	1221.9	1223.9	1230.7	1241.1	1253.1	1274.4	1293.6	1314.5	1328.5	1341.3	1340.5
10°	1234.3	1237.5	1247.1	1262.8	1280.8	1307.2	1335.7	1363.8	1388.2	1407.8	1408.6
12.5°	1253.1	1257.2	1272.4	1296.0	1323.3	1357.3	1391.0	1422.7	1456.3	1485.6	1488.0
15°	1278.0	1283.2	1306.0	1341.3	1383.0	1423.5	1459.5	1492.0	1530.9	1571.3	1575.3
17.5°	1314.9	1322.1	1352.1	1399.8	1454.7	1499.2	1536.9	1561.3	1593.8	1635.5	1643.1
20°	1371.0	1380.2	1418.3	1475.2	1542.1	1588.6	1617.4	1622.6	1638.7	1675.9	1684.8
22.5°	1443.9	1451.9	1494.4	1562.1	1637.1	1687.6	1702.8	1681.9	1680.3	1710.4	1718.8
25°	1525.3	1532.5	1581.8	1657.9	1738.5	1794.2	1793.8	1753.3	1725.2	1748.5	1757.3
27.5°	1616.6	1627.8	1675.1	1755.3	1841.4	1896.4	1893.1	1830.6	1777.3	1783.3	1791.0
30°	1721.6	1734.0	1780.1	1861.5	1947.6	2001.3	1997.3	1914.8	1834.6	1818.6	1824.2
32.5°	1851.9	1866.7	1910.4	1990.5	2066.7	2115.2	2103.5	2006.2	1903.6	1868.7	1873.9
35°	2008.6	2017.4	2063.5	2142.4	2204.1	2237.4	2212.9	2112.0	1990.9	1948.8	1948.8
37.5°	2167.3	2174.1	2225.8	2302.3	2362.0	2379.7	2332.0	2227.8	2105.1	2045.4	2046.6
40°	2319.5	2338.0	2396.1	2474.6	2533.5	2538.4	2475.0	2360.0	2232.2	2170.5	2177.7
42.5°	2478.6	2496.7	2566.0	2655.0	2707.1	2715.1	2640.9	2508.3	2375.6	2325.6	2333.6
45°	2620.5	2634.9	2715.1	2818.5	2883.4	2904.2	2816.5	2678.2	2530.7	2481.8	2483.9
47.5°	2719.5	2738.3	2826.5	2948.3	3042.9	3075.0	2988.8	2843.7	2683.4	2624.1	2629.3
50°	2809.3	2819.3	2908.6	3041.7	3161.9	3228.0	3154.3	3007.2	2837.7	2774.8	2780.4
52.5°	2859.4	2872.2	2958.7	3097.4	3239.7	3346.3	3301.4	3154.3	2986.8	2925.5	2932.3
55°	2824.5	2834.1	2937.9	3109.8	3287.8	3419.2	3426.0	3298.2	3133.1	3079.4	3098.6
57.5°	2665.8	2677.8	2804.5	3029.7	3293.8	3468.5	3519.8	3431.6	3269.7	3226.0	3237.3
60°	2417.7	2425.3	2560.4	2813.7	3176.7	3488.9	3579.5	3540.6	3403.6	3359.9	3375.1
62.5°	1975.7	1986.9	2148.4	2487.9	2929.5	3428.4	3637.2	3630.8	3528.2	3488.1	3501.8
65°	1350.5	1370.2	1548.9	1978.1	2548.4	3243.3	3689.7	3735.8	3638.4	3587.9	3606.0
67.5°	815.5	830.0	959.4	1306.0	1950.1	2869.8	3635.6	3855.2	3716.2	3634.8	3649.6
68°	729.0	742.2	850.4	1178.6	1803.8	2764.4	3586.3	3868.8	3724.6	3634.0	3647.2
70°	440.4	449.2	521.8	728.6	1202.7	2192.9	3250.1	3857.6	3778.3	3645.2	3652.8
72.5°	286.9	289.7	301.8	373.9	614.4	1226.3	2439.4	3594.7	3858.8	3710.5	3709.3
75°	238.4	236.8	238.0	246.5	303.0	537.8	1425.5	2839.7	3678.5	3607.6	3582.3
77.5°	201.6	200.4	200.0	200.4	202.8	259.7	618.8	1768.9	2814.9	3191.2	3213.6
80°	163.1	161.5	166.7	164.3	157.1	161.5	259.3	735.8	1326.9	1427.5	1337.7
82.5°	118.6	112.6	135.1	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)