

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: P317076

Luminaire Tested: **GAN-SA2B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317076
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-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10883 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

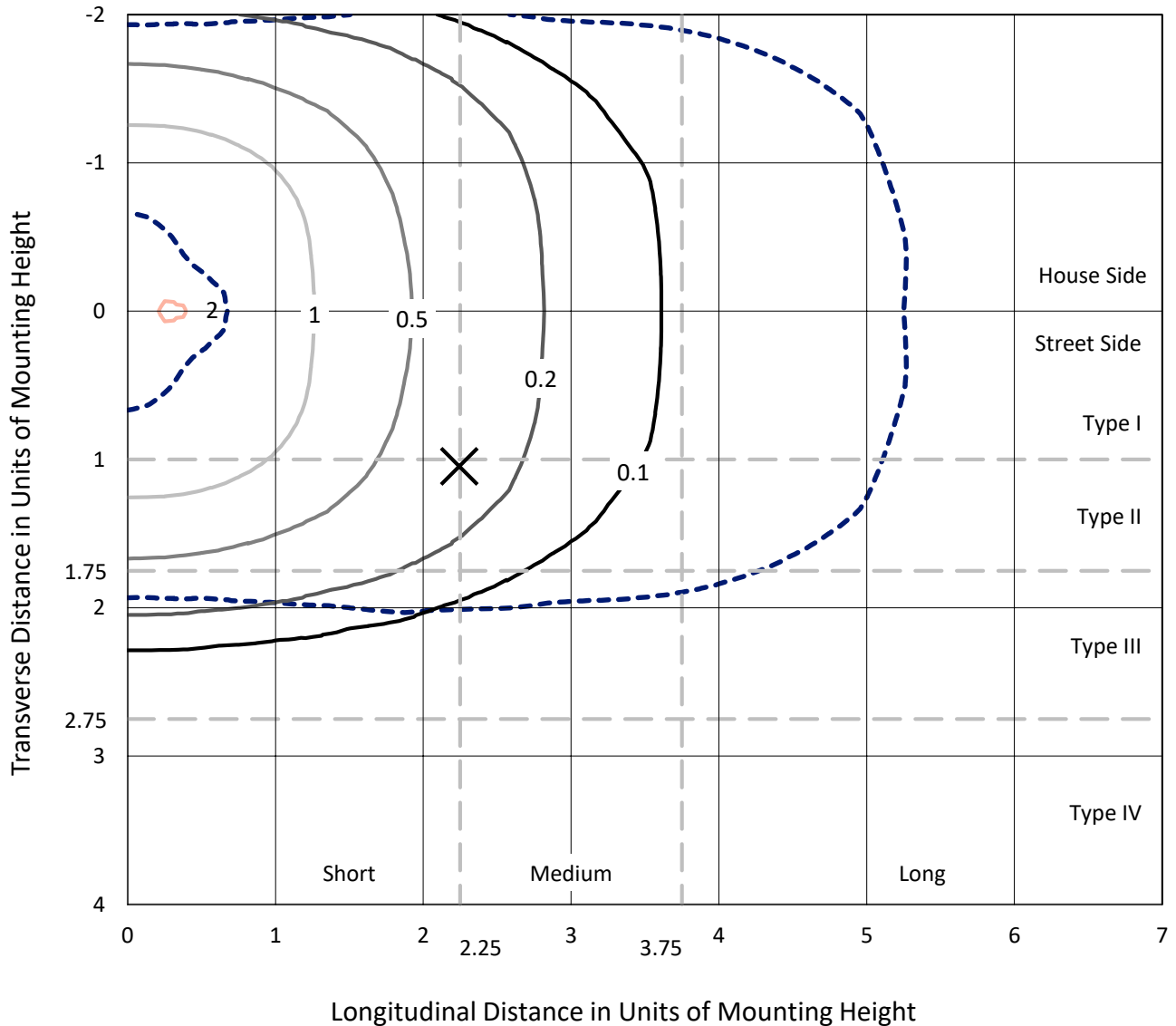
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

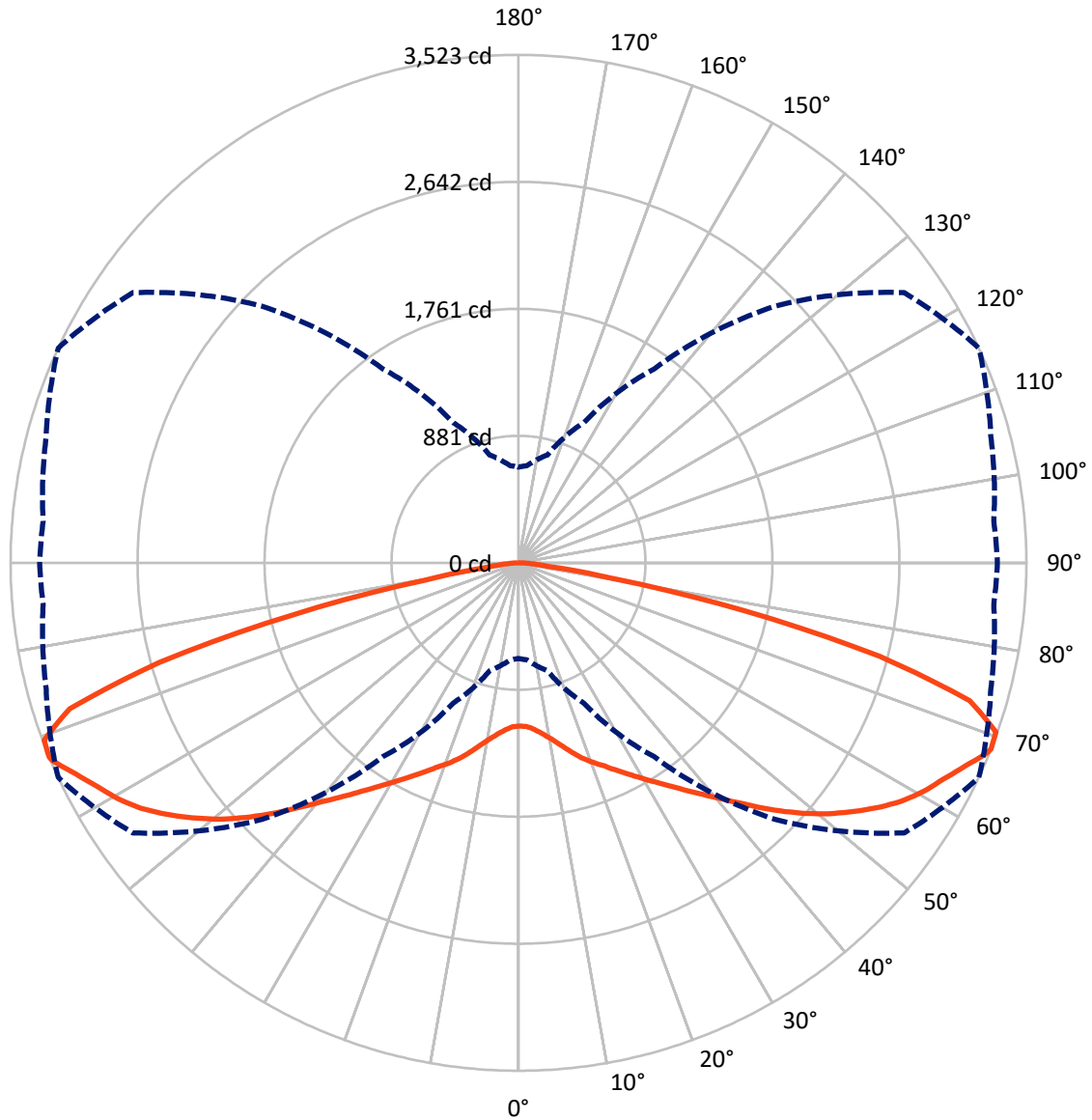
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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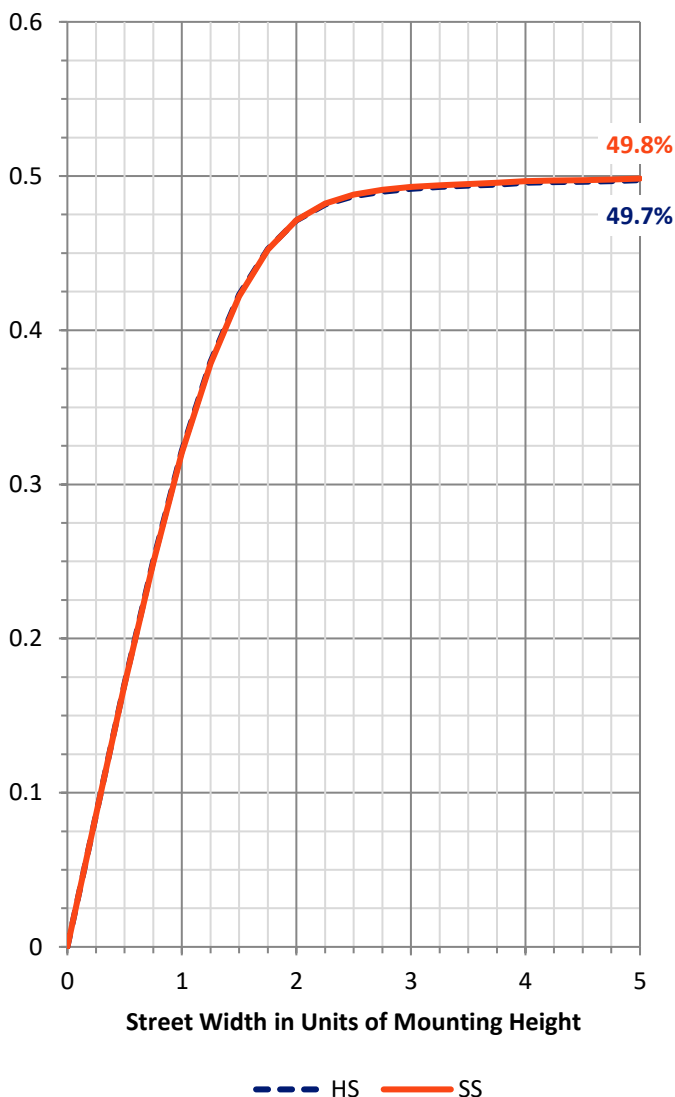
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5441.5	0.0	5441.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5441.5	0.0	5441.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10883.0	0.0	10883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.0
10°-20°	371.0	3.4
20°-30°	723.3	6.6
30°-40°	1215.1	11.2
40°-50°	1914.5	17.6
50°-60°	2560.4	23.5
60°-70°	2489.0	22.9
70°-80°	1360.6	12.5
80°-90°	138.4	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°	10883.0	100.0
0°-180°	10883.0	100.0

Coefficient of Utilization

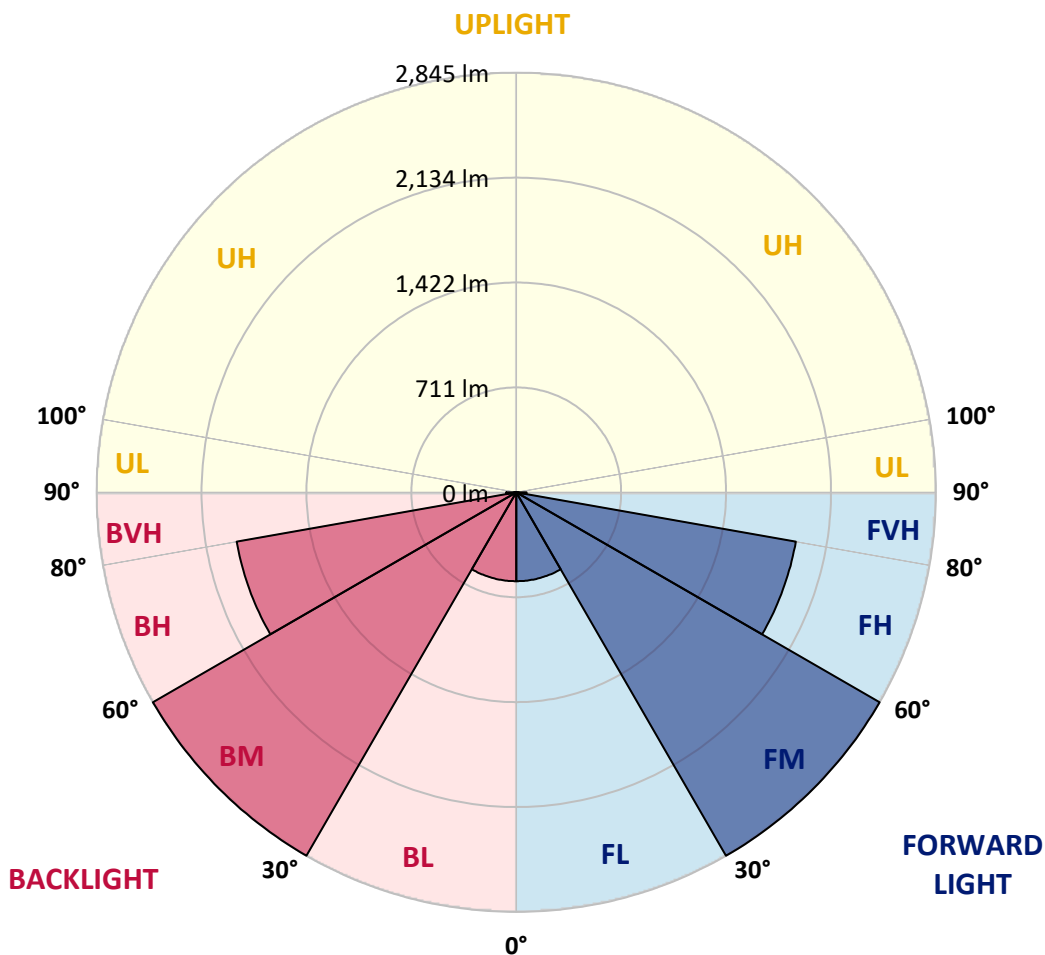


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.5	5.5			
FM (30°-60°)	2845.0	26.1			
FH (60°-80°)	1924.8	17.7			G2/5000
FVH (80°-90°)	69.2	0.6			G1/100
BL (0°-30°)	602.5	5.5	B2/1000		
BM (30°-60°)	2845.0	26.1	B3/5000		
BH (60°-80°)	1924.8	17.7	B3/2500		G3/2500
BVH (80°-90°)	69.2	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°	1131.6	1131.6	1131.6	1131.6	1131.6	1131.6	1131.6	1131.6	1131.6	1131.6	1131.6
2.5°	1123.5	1123.9	1125.7	1127.9	1129.8	1134.5	1135.6	1137.4	1138.1	1140.0	1140.0
5°	1113.7	1114.4	1118.8	1124.6	1131.2	1142.9	1151.3	1160.8	1165.5	1170.6	1170.3
7.5°	1112.6	1114.4	1120.6	1130.1	1141.1	1160.4	1177.9	1196.9	1209.7	1221.3	1220.6
10°	1123.9	1126.8	1135.6	1149.8	1166.2	1190.3	1216.2	1241.8	1264.0	1281.9	1282.6
12.5°	1141.1	1144.7	1158.6	1180.1	1204.9	1235.9	1266.6	1295.4	1326.1	1352.7	1354.9
15°	1163.7	1168.4	1189.2	1221.3	1259.3	1296.1	1329.0	1358.5	1393.9	1430.8	1434.4
17.5°	1197.3	1203.8	1231.2	1274.6	1324.6	1365.1	1399.4	1421.7	1451.2	1489.2	1496.1
20°	1248.3	1256.7	1291.4	1343.2	1404.2	1446.5	1472.8	1477.5	1492.1	1526.0	1534.1
22.5°	1314.8	1322.1	1360.7	1422.4	1490.6	1536.6	1550.5	1531.5	1530.1	1557.4	1565.1
25°	1388.8	1395.4	1440.3	1509.6	1583.0	1633.7	1633.3	1596.5	1570.9	1592.1	1600.1
27.5°	1472.0	1482.3	1525.3	1598.3	1676.7	1726.7	1723.8	1666.9	1618.4	1623.8	1630.8
30°	1567.6	1579.0	1620.9	1695.0	1773.4	1822.3	1818.7	1743.5	1670.5	1655.9	1661.1
32.5°	1686.2	1699.7	1739.5	1812.5	1881.8	1926.0	1915.4	1826.7	1733.3	1701.6	1706.3
35°	1828.9	1836.9	1878.9	1950.8	2007.0	2037.3	2015.0	1923.1	1812.9	1774.5	1774.5
37.5°	1973.4	1979.6	2026.7	2096.4	2150.8	2166.8	2123.4	2028.5	1916.9	1862.5	1863.6
40°	2112.1	2128.9	2181.8	2253.3	2306.9	2311.3	2253.7	2148.9	2032.5	1976.3	1982.9
42.5°	2256.9	2273.4	2336.5	2417.5	2464.9	2472.2	2404.7	2284.0	2163.2	2117.6	2124.9
45°	2386.1	2399.3	2472.2	2566.4	2625.5	2644.5	2564.6	2438.7	2304.4	2259.9	2261.7
47.5°	2476.3	2493.4	2573.7	2684.6	2770.7	2799.9	2721.5	2589.4	2443.4	2389.4	2394.2
50°	2558.0	2567.1	2648.5	2769.6	2879.1	2939.3	2872.2	2738.3	2583.9	2526.6	2531.7
52.5°	2603.6	2615.3	2694.1	2820.4	2949.9	3047.0	3006.1	2872.2	2719.7	2663.8	2670.0
55°	2571.9	2580.6	2675.1	2831.7	2993.7	3113.4	3119.6	3003.2	2852.8	2803.9	2821.5
57.5°	2427.4	2438.3	2553.6	2758.7	2999.2	3158.3	3205.0	3124.7	2977.3	2937.5	2947.7
60°	2201.5	2208.4	2331.4	2562.0	2892.6	3176.9	3259.3	3224.0	3099.2	3059.4	3073.2
62.5°	1799.0	1809.2	1956.3	2265.3	2667.5	3121.8	3311.9	3306.1	3212.6	3176.1	3188.6
65°	1229.7	1247.6	1410.4	1801.2	2320.4	2953.2	3359.7	3401.7	3313.0	3267.0	3283.4
67.5°	742.6	755.7	873.6	1189.2	1775.6	2613.1	3310.4	3510.4	3383.8	3309.7	3323.2
68°	663.8	675.8	774.3	1073.2	1642.4	2517.1	3265.6	3522.8	3391.4	3309.0	3321.0
70°	401.0	409.1	475.1	663.4	1095.1	1996.8	2959.4	3512.6	3440.3	3319.2	3326.1
72.5°	261.3	263.8	274.8	340.5	559.4	1116.6	2221.2	3273.2	3513.7	3378.7	3377.6
75°	217.1	215.7	216.8	224.4	275.9	489.7	1298.0	2585.7	3349.5	3284.9	3261.9
77.5°	183.5	182.5	182.1	182.5	184.6	236.5	563.4	1610.7	2563.1	2905.8	2926.2
80°	148.5	147.1	151.8	149.6	143.0	147.1	236.1	670.0	1208.2	1299.8	1218.1
82.5°	108.0	102.5	123.0	117.1	111.7	103.6	130.3	216.4	288.3	197.8	139.0
85°	83.2	77.4	93.4	89.8	76.6	52.9	77.4	105.8	116.8	66.8	52.5
87.5°	33.9	35.8	67.5	53.3	44.9	25.5	31.7	42.3	56.9	28.5	21.9
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)