

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: P316476

Luminaire Tested: **GAN-SA2B-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12283 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

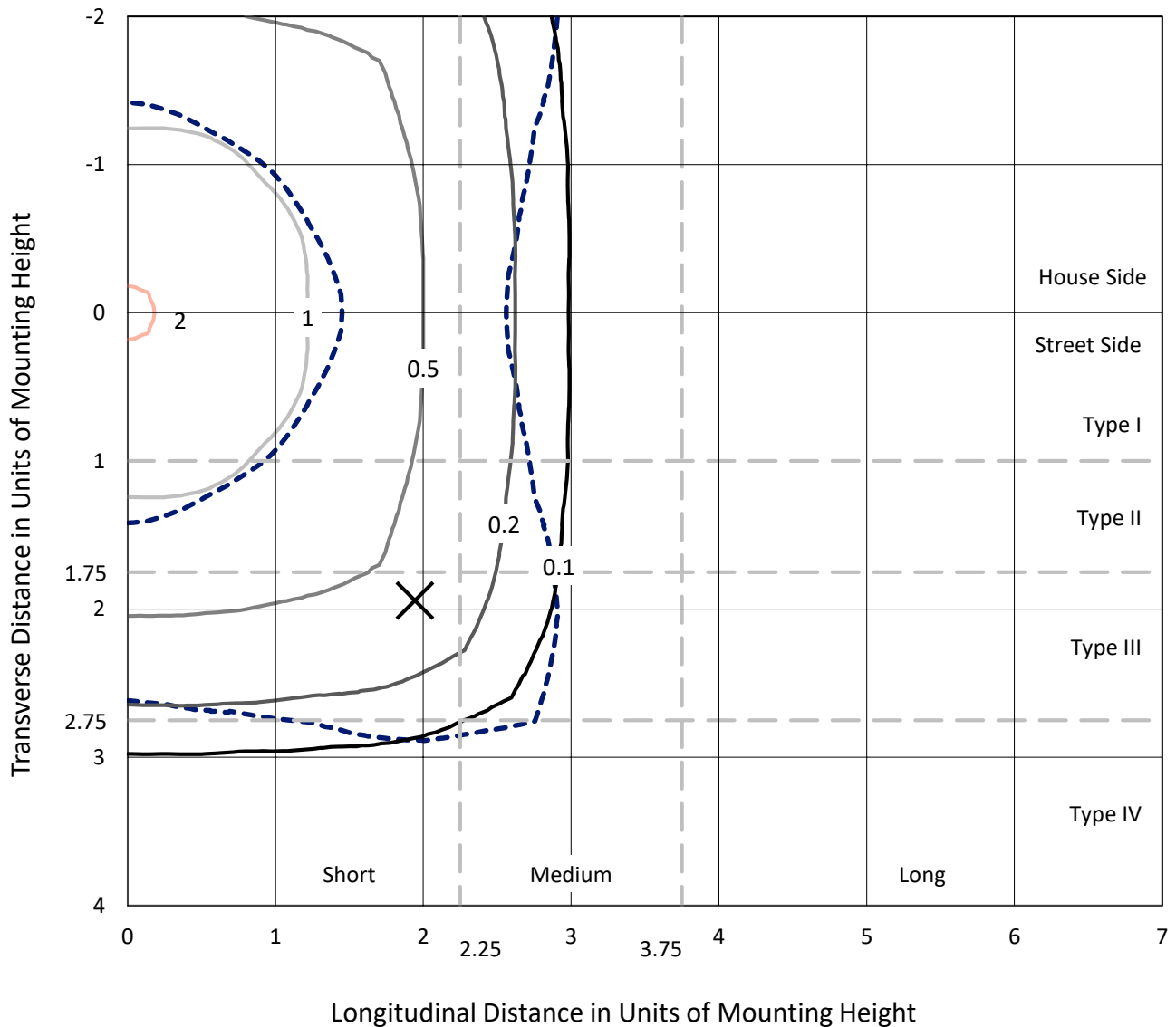
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

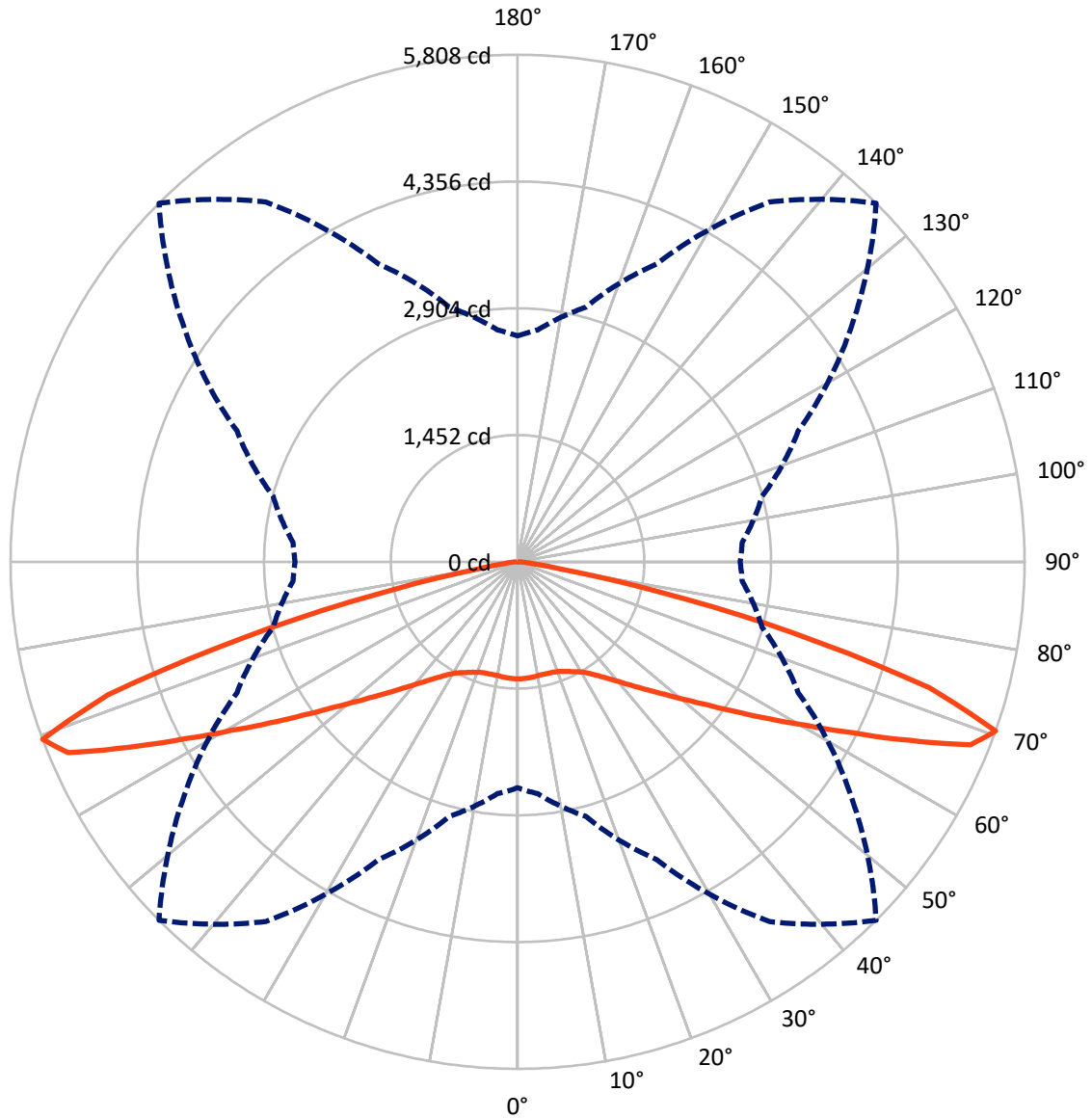
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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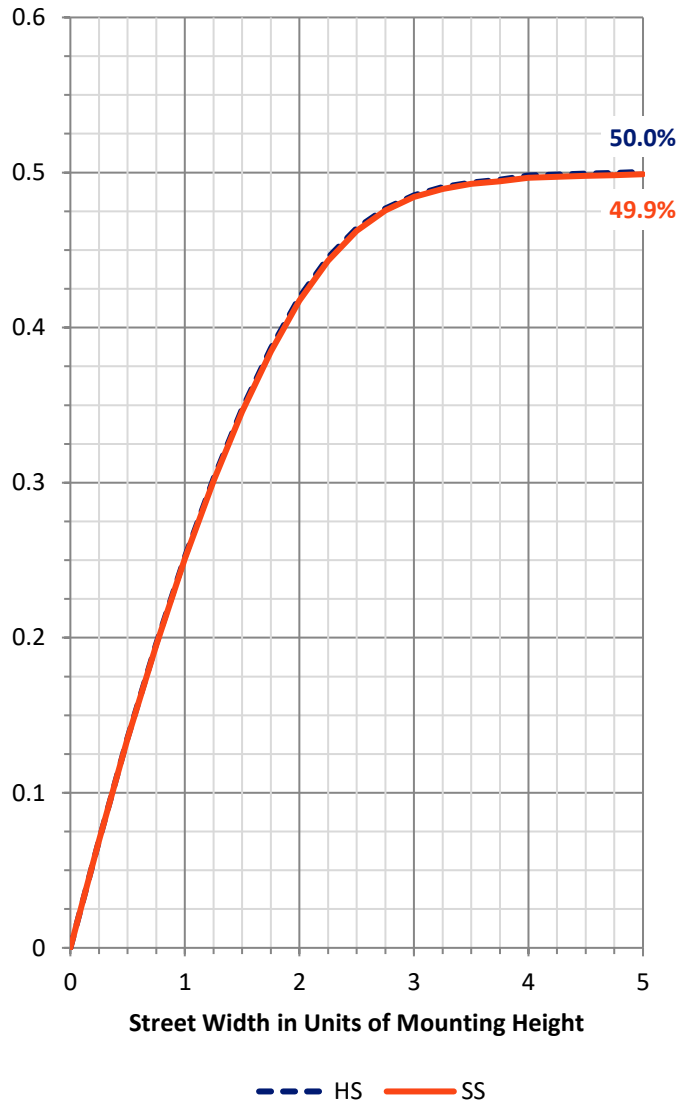
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6141.5	0.0	6141.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6141.5	0.0	6141.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12283.0	0.0	12283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	1.0
10°-20°	373.0	3.0
20°-30°	635.0	5.2
30°-40°	1007.0	8.2
40°-50°	1638.8	13.3
50°-60°	2702.0	22.0
60°-70°	3966.7	32.3
70°-80°	1754.1	14.3
80°-90°	79.4	0.6
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°	12283.0	100.0
0°-180°	12283.0	100.0

Coefficient of Utilization



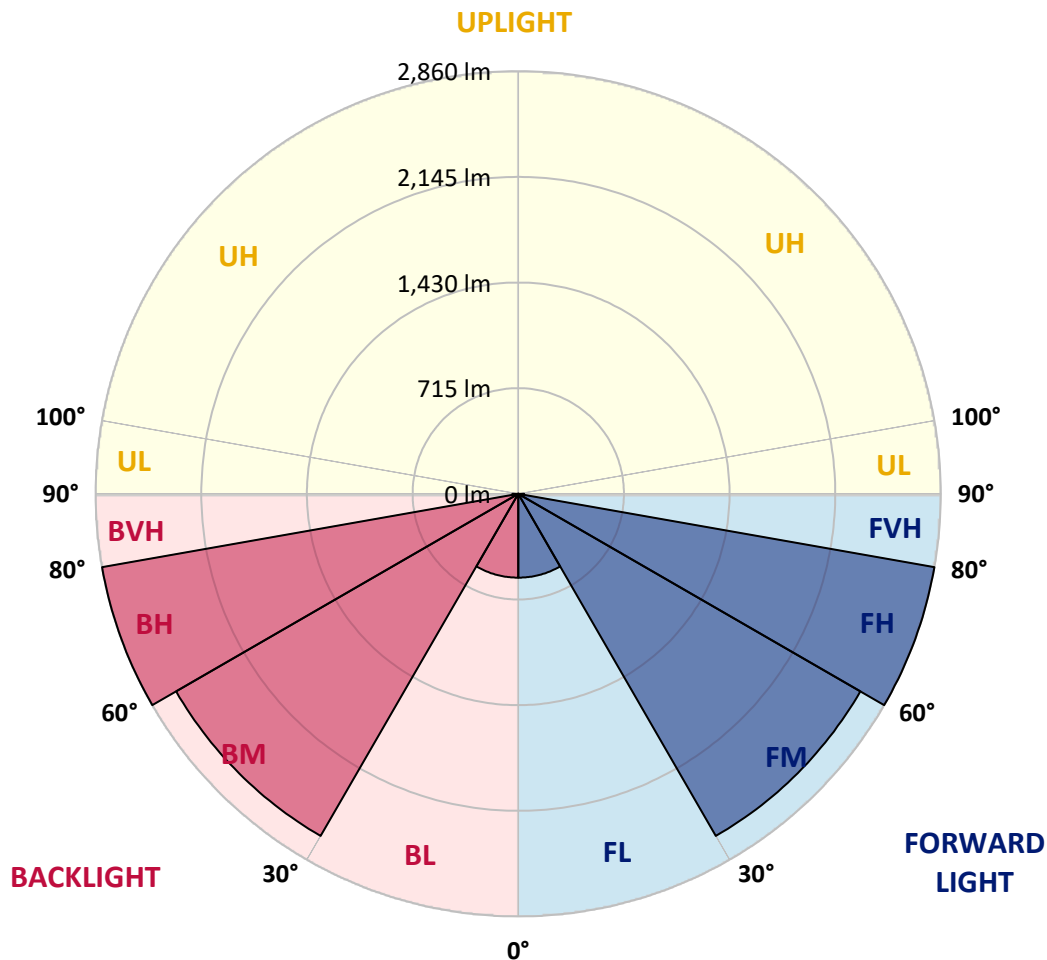
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.5	4.6			
FM (30°-60°)	2673.9	21.8			
FH (60°-80°)	2860.4	23.3			G2/5000
FVH (80°-90°)	39.7	0.3			G1/100
BL (0°-30°)	567.5	4.6	B2/1000		
BM (30°-60°)	2673.9	21.8	B3/5000		
BH (60°-80°)	2860.4	23.3	B4/5000		G2/5000
BVH (80°-90°)	39.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1341.5	1341.5	1341.5	1341.5	1341.5	1341.5	1341.5	1341.5	1341.5	1341.5	1341.5
2.5°	1339.5	1338.2	1341.1	1340.7	1338.2	1338.6	1338.6	1339.9	1339.9	1339.1	1339.1
5°	1334.6	1333.8	1337.0	1337.0	1334.6	1335.4	1336.2	1337.4	1337.0	1336.2	1335.8
7.5°	1328.5	1328.1	1331.3	1331.3	1329.7	1330.5	1329.7	1330.1	1329.3	1328.5	1327.3
10°	1318.3	1319.1	1322.0	1322.8	1322.8	1323.2	1322.4	1320.4	1319.1	1317.9	1316.7
12.5°	1309.0	1308.6	1312.6	1314.7	1317.9	1321.6	1319.1	1313.4	1311.0	1308.6	1307.8
15°	1302.9	1303.3	1307.3	1311.0	1316.7	1324.4	1321.6	1312.6	1307.8	1304.9	1304.1
17.5°	1301.7	1302.5	1307.8	1314.3	1320.4	1328.9	1327.3	1318.3	1310.2	1304.9	1303.7
20°	1304.5	1304.9	1313.0	1322.4	1333.0	1341.1	1337.4	1327.7	1316.7	1308.6	1306.5
22.5°	1309.8	1311.4	1321.6	1336.2	1352.5	1363.4	1359.0	1342.3	1325.2	1315.1	1312.2
25°	1326.5	1326.9	1340.7	1360.6	1380.1	1392.7	1387.4	1363.9	1341.9	1330.5	1326.9
27.5°	1361.0	1362.2	1376.0	1399.2	1415.9	1424.0	1420.8	1401.7	1383.0	1370.8	1372.0
30°	1411.0	1412.6	1428.1	1453.7	1463.9	1465.9	1465.1	1456.1	1439.1	1422.8	1424.0
32.5°	1472.0	1472.8	1493.5	1516.7	1524.8	1526.5	1524.8	1516.7	1496.4	1474.4	1475.6
35°	1550.4	1552.9	1572.8	1595.2	1601.7	1604.9	1602.1	1591.5	1570.4	1548.8	1548.0
37.5°	1647.2	1647.6	1668.3	1691.5	1699.6	1700.4	1697.2	1690.3	1663.9	1644.3	1643.1
40°	1759.4	1761.0	1785.4	1810.2	1813.5	1809.8	1814.3	1810.2	1783.0	1760.6	1764.3
42.5°	1896.0	1899.6	1928.9	1953.3	1943.9	1941.9	1944.8	1946.0	1924.0	1896.8	1894.4
45°	2054.9	2058.2	2094.8	2114.3	2108.2	2094.8	2100.5	2110.2	2079.7	2046.0	2049.2
47.5°	2236.2	2244.4	2283.4	2301.7	2286.6	2268.3	2279.3	2294.0	2258.2	2216.3	2214.3
50°	2437.9	2448.0	2500.1	2525.7	2510.6	2476.9	2495.2	2504.9	2453.3	2399.2	2394.8
52.5°	2652.9	2663.1	2728.5	2781.4	2771.6	2719.2	2744.8	2734.6	2675.3	2602.5	2596.8
55°	2896.4	2900.5	2971.2	3056.6	3066.3	3027.7	3026.1	3009.4	2921.6	2837.5	2833.4
57.5°	3146.8	3149.7	3241.1	3341.9	3387.9	3387.9	3342.4	3307.0	3190.3	3092.8	3082.6
60°	3417.2	3427.3	3528.5	3665.5	3772.9	3804.6	3724.1	3627.7	3500.9	3381.8	3370.0
62.5°	3657.8	3669.6	3824.5	4028.5	4200.9	4316.4	4119.6	3962.7	3731.8	3540.7	3518.4
65°	3688.3	3720.0	3945.6	4315.1	4700.9	4931.4	4554.2	4167.6	3746.8	3481.4	3458.6
67.5°	3368.4	3422.0	3726.9	4302.1	5099.3	5594.0	4831.8	4050.5	3476.9	3183.4	3158.2
70°	2588.3	2666.3	3018.0	3763.1	5030.6	5807.5	4657.8	3546.0	2898.8	2583.0	2547.6
72.5°	1420.0	1452.1	1768.3	2576.9	4033.0	4935.1	3885.1	2622.0	1922.4	1564.3	1504.9
75°	450.4	461.8	622.8	1054.5	2281.4	3268.8	2467.9	1287.0	708.6	522.4	516.3
77.5°	200.0	201.2	225.2	307.7	785.8	1656.1	943.9	350.4	241.5	211.0	217.9
80°	126.4	126.4	139.4	152.4	213.8	480.9	255.3	166.7	142.3	132.1	135.0
82.5°	60.6	67.1	90.7	97.6	117.5	161.8	130.9	108.9	95.1	70.7	65.9
85°	39.8	33.3	57.3	64.6	68.3	77.6	76.0	72.0	62.2	35.4	39.4
87.5°	17.9	17.1	29.7	27.2	25.6	19.5	29.3	36.2	35.0	17.5	17.5
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)