

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: P316117

Luminaire Tested: **GAN-SA3B-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16736 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

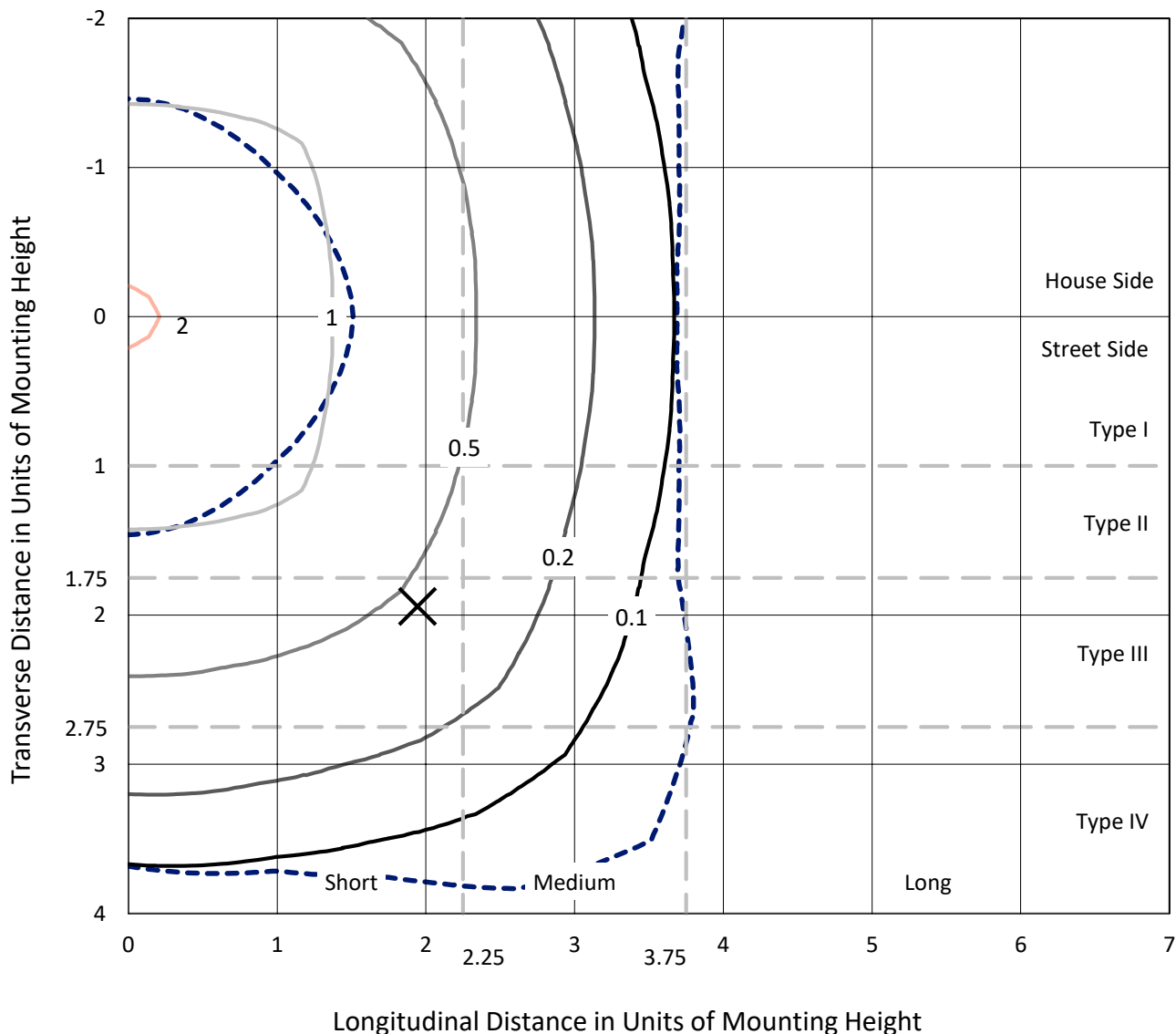
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

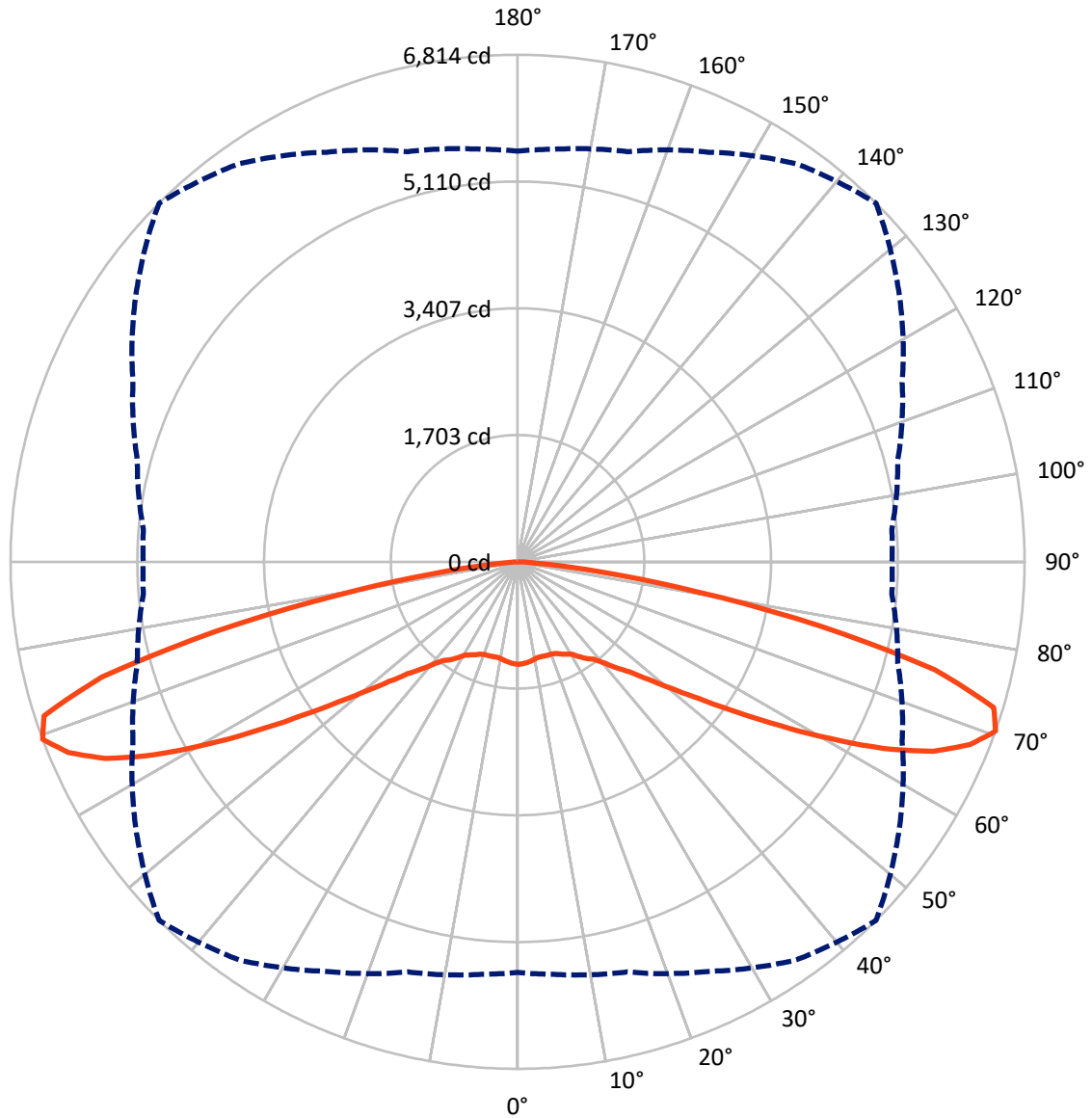
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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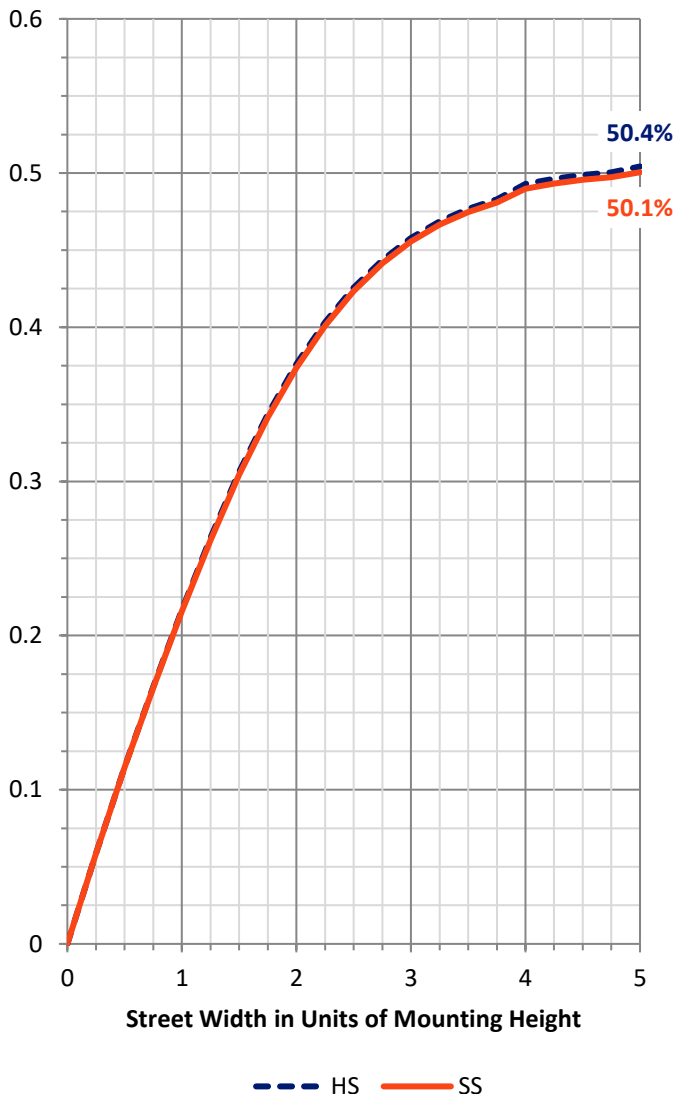
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8368.0	0.0	8368.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8368.0	0.0	8368.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16736.0	0.0	16736.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	0.8
10°-20°	375.5	2.2
20°-30°	640.2	3.8
30°-40°	1000.4	6.0
40°-50°	1695.4	10.1
50°-60°	3091.7	18.5
60°-70°	5322.7	31.8
70°-80°	4172.1	24.9
80°-90°	309.3	1.8
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°	16736.0	100.0
0°-180°	16736.0	100.0

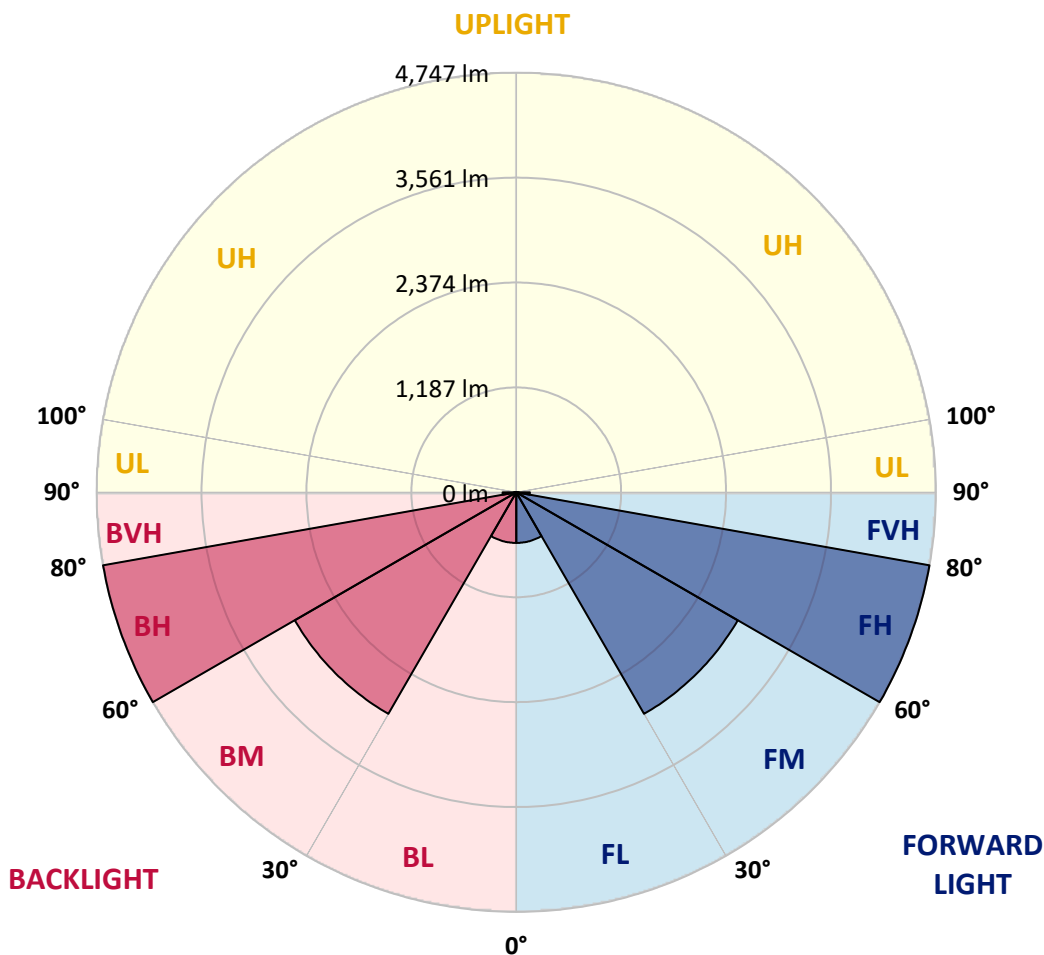


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.2	3.4			
FM (30°-60°)	2893.8	17.3			
FH (60°-80°)	4747.4	28.4			G2/5000
FVH (80°-90°)	154.7	0.9			G2/225
BL (0°-30°)	572.2	3.4	B2/1000		
BM (30°-60°)	2893.8	17.3	B3/5000		
BH (60°-80°)	4747.4	28.4	B4/5000		G2/5000
BVH (80°-90°)	154.7	0.9			G2/225
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°	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1371.3	1372.9	1371.3	1372.4	1369.6	1370.7	1370.7	1370.7	1370.2	1370.7	1369.6
5°	1359.1	1360.2	1358.0	1359.1	1357.4	1359.1	1359.7	1359.1	1358.0	1358.6	1356.3
7.5°	1340.8	1341.9	1340.3	1341.9	1339.7	1342.5	1341.9	1340.3	1338.6	1338.6	1336.4
10°	1330.9	1331.4	1327.0	1325.3	1320.4	1321.5	1323.1	1324.8	1326.4	1329.8	1329.2
12.5°	1331.4	1331.4	1324.8	1317.6	1310.4	1312.0	1314.8	1320.9	1327.6	1333.6	1334.2
15°	1337.0	1336.4	1326.4	1314.8	1309.8	1314.8	1316.5	1320.4	1330.9	1341.4	1341.9
17.5°	1340.8	1340.8	1325.3	1312.0	1311.5	1319.2	1318.7	1320.4	1332.0	1347.5	1348.0
20°	1348.0	1348.0	1328.1	1313.7	1313.7	1322.0	1322.6	1325.3	1337.0	1354.1	1356.9
22.5°	1364.1	1364.6	1343.6	1332.0	1333.1	1338.1	1339.7	1344.2	1354.7	1373.5	1376.8
25°	1386.8	1387.9	1366.3	1359.7	1363.5	1372.9	1371.8	1375.2	1386.8	1405.1	1408.4
27.5°	1418.3	1415.6	1395.6	1392.9	1396.8	1403.4	1402.8	1403.4	1412.8	1429.4	1433.3
30°	1459.3	1458.2	1443.8	1445.5	1443.8	1441.6	1442.1	1446.6	1451.6	1464.8	1468.7
32.5°	1499.2	1500.3	1491.4	1499.7	1511.9	1520.2	1507.5	1495.3	1489.8	1497.0	1500.3
35°	1571.1	1573.9	1560.1	1554.5	1571.1	1595.5	1559.5	1539.6	1550.7	1560.1	1562.8
37.5°	1693.5	1695.1	1671.9	1649.7	1637.6	1660.8	1624.8	1626.5	1665.3	1683.0	1682.4
40°	1833.0	1833.5	1818.0	1798.7	1777.6	1783.2	1768.8	1773.2	1798.7	1814.7	1819.2
42.5°	1999.1	1997.4	1973.1	1945.4	1939.3	1944.8	1920.5	1917.1	1946.5	1975.3	1975.8
45°	2214.4	2210.6	2179.0	2148.6	2119.2	2107.0	2100.9	2117.0	2157.4	2184.0	2184.5
47.5°	2446.4	2435.9	2419.3	2394.9	2369.4	2357.3	2347.3	2355.0	2384.4	2394.9	2396.0
50°	2685.0	2687.2	2690.5	2681.1	2671.7	2667.8	2641.8	2626.9	2635.7	2616.3	2613.6
52.5°	2967.9	2972.3	3004.4	3031.6	3047.6	3055.9	3006.6	2955.2	2926.4	2888.7	2877.7
55°	3301.7	3308.9	3356.0	3431.3	3508.8	3549.7	3460.6	3364.3	3275.1	3204.8	3182.1
57.5°	3673.7	3686.5	3751.2	3895.7	4054.6	4151.5	4000.9	3826.0	3653.8	3552.5	3534.8
60°	4110.0	4122.2	4211.8	4418.9	4676.3	4821.9	4593.8	4307.6	4093.4	3996.5	3963.8
62.5°	4629.3	4630.4	4740.5	4982.5	5322.4	5525.0	5216.1	4833.5	4612.7	4495.8	4464.3
65°	5187.9	5190.6	5304.7	5566.0	5917.5	6137.8	5789.1	5390.5	5120.3	4948.1	4923.8
67.5°	5582.6	5594.2	5714.3	6028.8	6357.6	6556.4	6195.4	5744.8	5432.5	5227.2	5206.7
70°	5519.5	5564.9	5706.0	6073.1	6530.4	6813.8	6261.3	5702.7	5290.8	5048.3	5031.2
72.5°	4813.6	4900.5	5088.8	5570.4	6301.7	6692.0	5902.0	5107.6	4641.4	4434.9	4403.9
75°	3277.9	3419.1	3703.1	4397.9	5383.8	5794.1	4968.6	4072.3	3633.9	3348.2	3327.2
77.5°	1461.5	1493.6	1853.5	2653.4	3715.3	4160.9	3610.1	2664.0	1999.6	1594.9	1509.7
80°	407.5	412.4	550.3	988.2	1859.6	2444.7	1996.3	1038.0	583.5	411.3	387.5
82.5°	129.5	140.6	171.6	256.3	625.0	1115.5	641.6	276.8	197.1	157.2	141.7
85°	63.1	62.6	86.9	104.1	159.4	246.9	170.0	128.4	112.4	74.7	67.5
87.5°	26.6	27.1	40.4	36.5	46.5	39.9	54.8	57.6	60.3	33.2	28.8
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)