

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: P316196

Luminaire Tested: **GAN-SA2B-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316196
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-SA2B-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 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: 12316 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

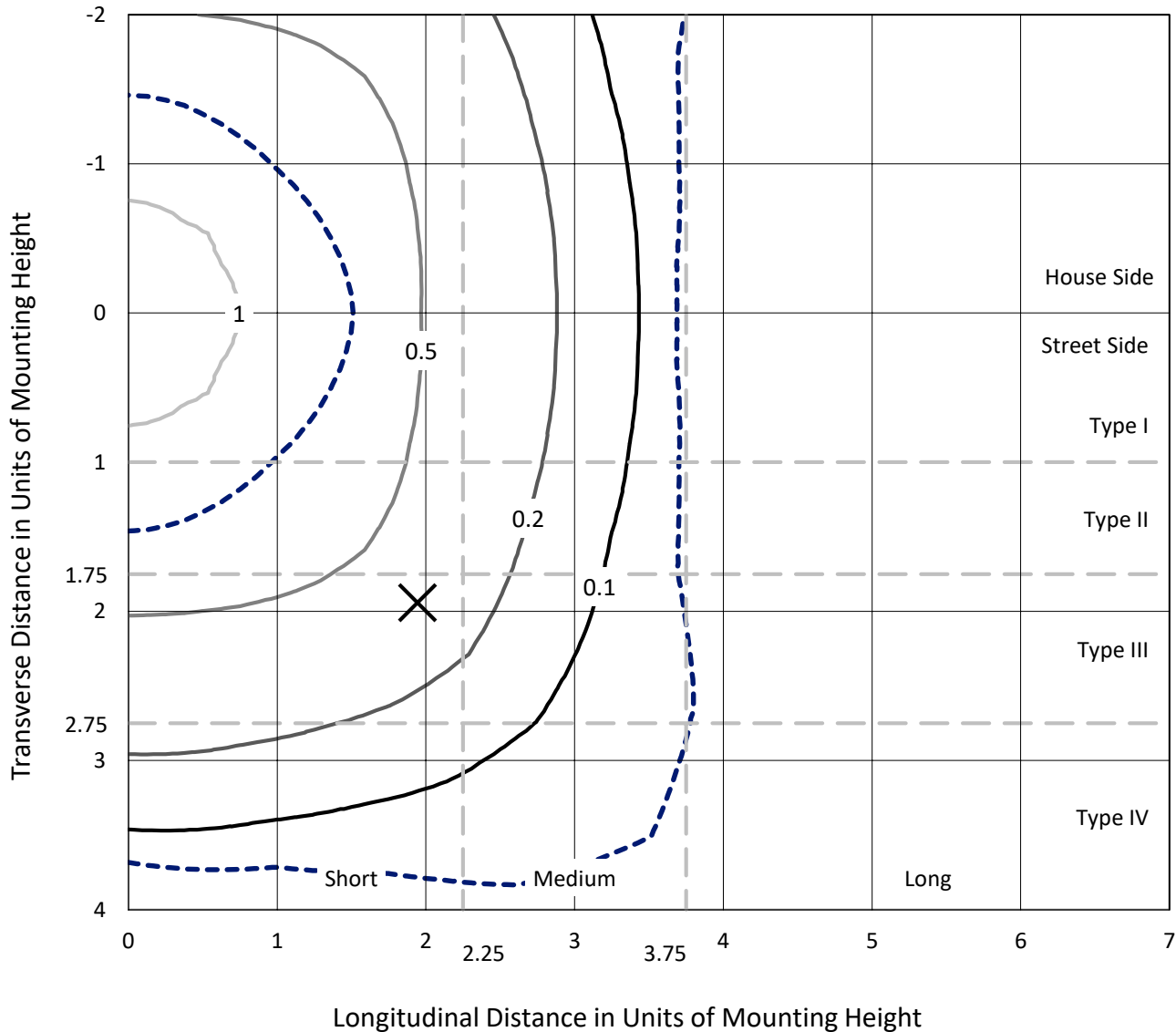
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

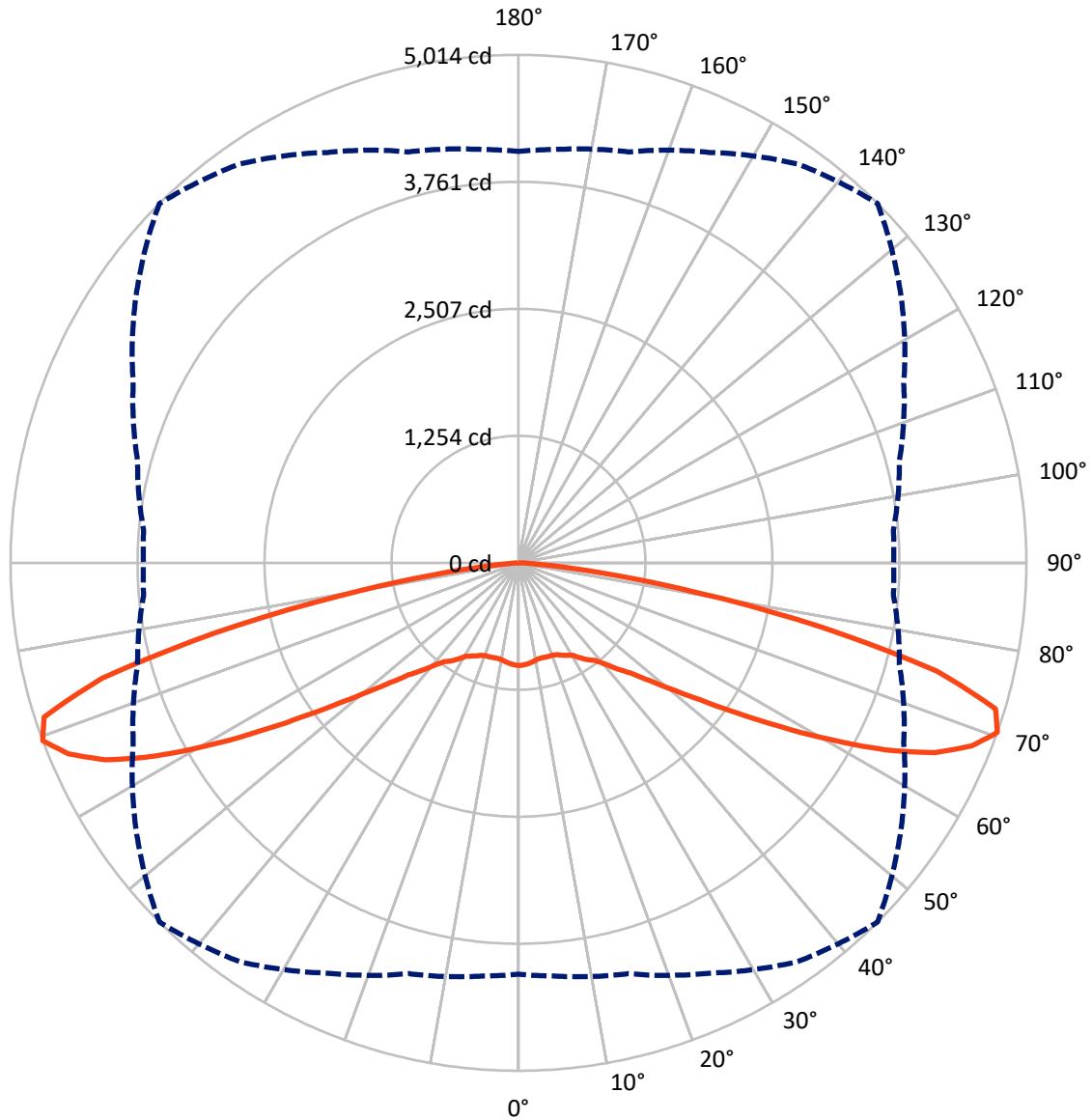
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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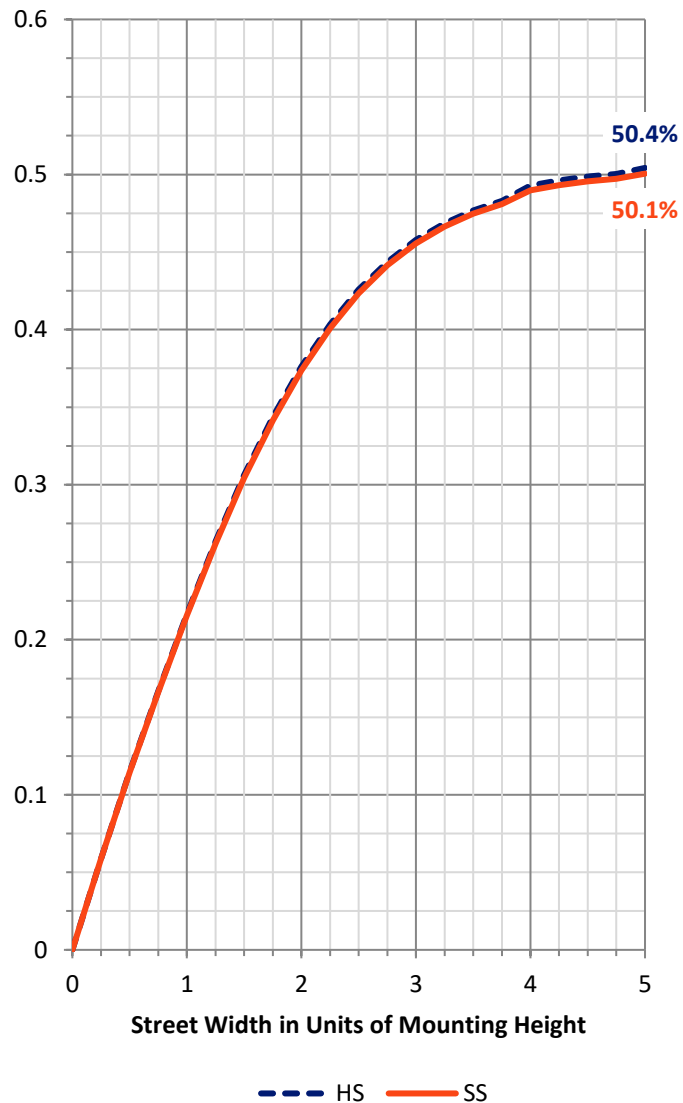
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6158.0	0.0	6158.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6158.0	0.0	6158.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12316.0	0.0	12316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	0.8
10°-20°	276.3	2.2
20°-30°	471.2	3.8
30°-40°	736.2	6.0
40°-50°	1247.7	10.1
50°-60°	2275.2	18.5
60°-70°	3916.9	31.8
70°-80°	3070.2	24.9
80°-90°	227.7	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°	12316.0	100.0
0°-180°	12316.0	100.0

Coefficient of Utilization

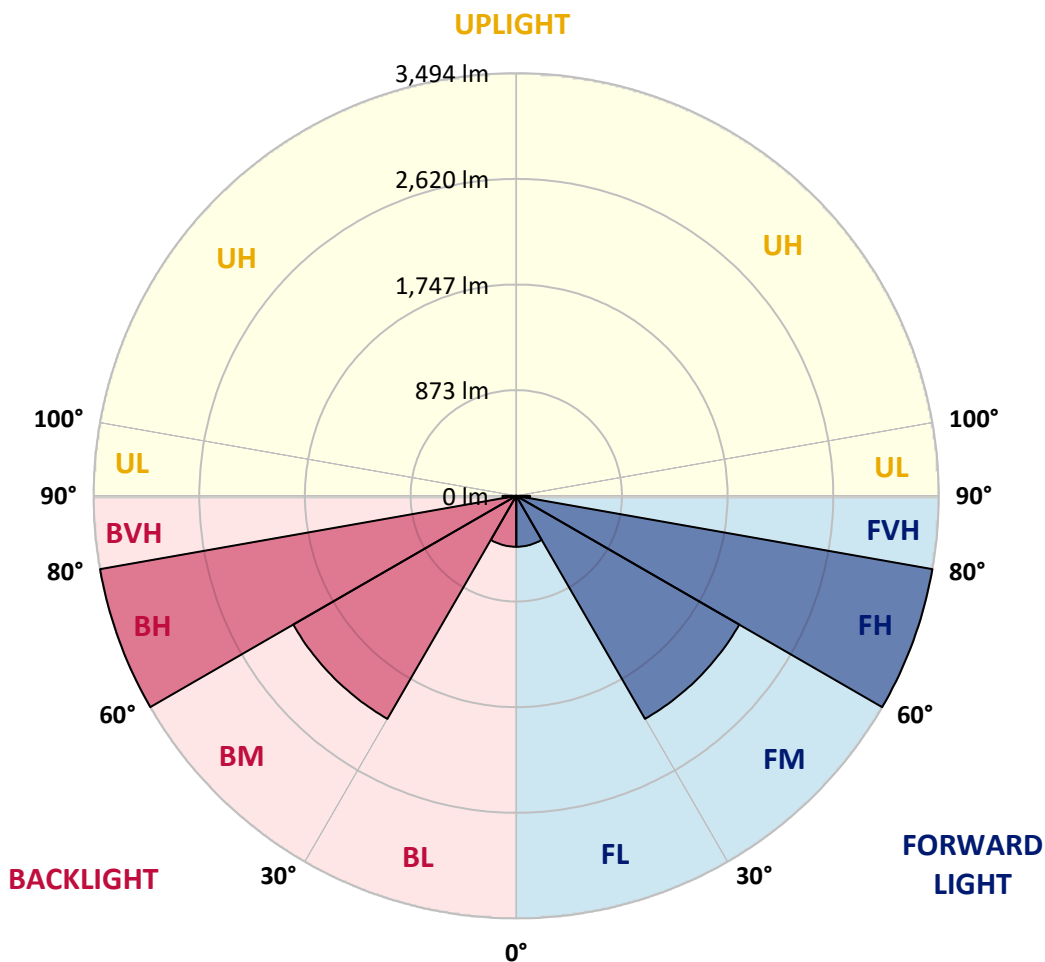


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.0	3.4			
FM (30°-60°)	2129.5	17.3			
FH (60°-80°)	3493.6	28.4			G2/5000
FVH (80°-90°)	113.8	0.9			G2/225
BL (0°-30°)	421.0	3.4	B1/500		
BM (30°-60°)	2129.5	17.3	B2/2500		
BH (60°-80°)	3493.6	28.4	B4/5000		G2/5000
BVH (80°-90°)	113.8	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°	1013.6	1013.6	1013.6	1013.6	1013.6	1013.6	1013.6	1013.6	1013.6	1013.6	1013.6
2.5°	1009.1	1010.3	1009.1	1009.9	1007.9	1008.7	1008.7	1008.7	1008.3	1008.7	1007.9
5°	1000.2	1001.0	999.3	1000.2	998.9	1000.2	1000.6	1000.2	999.3	999.8	998.1
7.5°	986.7	987.5	986.3	987.5	985.9	987.9	987.5	986.3	985.1	985.1	983.5
10°	979.4	979.8	976.5	975.3	971.6	972.5	973.7	974.9	976.1	978.6	978.2
12.5°	979.8	979.8	974.9	969.6	964.3	965.5	967.6	972.1	976.9	981.4	981.8
15°	983.9	983.5	976.1	967.6	963.9	967.6	968.8	971.6	979.4	987.1	987.5
17.5°	986.7	986.7	975.3	965.5	965.1	970.8	970.4	971.6	980.2	991.6	992.0
20°	992.0	992.0	977.3	966.8	966.8	972.9	973.3	975.3	983.9	996.5	998.5
22.5°	1003.8	1004.2	988.8	980.2	981.0	984.7	985.9	989.2	996.9	1010.8	1013.2
25°	1020.5	1021.3	1005.5	1000.6	1003.4	1010.3	1009.5	1012.0	1020.5	1034.0	1036.4
27.5°	1043.8	1041.7	1027.1	1025.0	1027.9	1032.8	1032.3	1032.8	1039.7	1051.9	1054.8
30°	1073.9	1073.1	1062.5	1063.7	1062.5	1060.9	1061.3	1064.5	1068.2	1078.0	1080.8
32.5°	1103.2	1104.1	1097.5	1103.6	1112.6	1118.7	1109.3	1100.4	1096.3	1101.6	1104.1
35°	1156.2	1158.2	1148.1	1144.0	1156.2	1174.1	1147.6	1133.0	1141.1	1148.1	1150.1
37.5°	1246.2	1247.5	1230.3	1214.0	1205.1	1222.2	1195.7	1196.9	1225.5	1238.5	1238.1
40°	1348.9	1349.3	1337.9	1323.6	1308.2	1312.2	1301.6	1304.9	1323.6	1335.5	1338.7
42.5°	1471.1	1469.9	1452.0	1431.6	1427.1	1431.2	1413.3	1410.8	1432.4	1453.6	1454.0
45°	1629.6	1626.7	1603.5	1581.1	1559.5	1550.6	1546.1	1557.9	1587.6	1607.2	1607.6
47.5°	1800.3	1792.6	1780.3	1762.4	1743.7	1734.7	1727.4	1733.1	1754.7	1762.4	1763.2
50°	1975.9	1977.5	1980.0	1973.0	1966.1	1963.3	1944.1	1933.1	1939.6	1925.4	1923.3
52.5°	2184.1	2187.3	2211.0	2230.9	2242.7	2248.8	2212.6	2174.7	2153.5	2125.8	2117.7
55°	2429.7	2435.0	2469.7	2525.1	2582.1	2612.2	2546.7	2475.8	2410.2	2358.4	2341.7
57.5°	2703.5	2712.9	2760.5	2866.9	2983.8	3055.1	2944.3	2815.5	2688.8	2614.3	2601.2
60°	3024.5	3033.5	3099.5	3251.9	3441.3	3548.4	3380.6	3170.0	3012.3	2941.0	2917.0
62.5°	3406.7	3407.5	3488.6	3666.6	3916.7	4065.8	3838.5	3557.0	3394.4	3308.5	3285.3
65°	3817.7	3819.8	3903.7	4096.0	4354.7	4516.8	4260.2	3966.8	3768.0	3641.3	3623.4
67.5°	4108.2	4116.8	4205.2	4436.6	4678.6	4824.8	4559.2	4227.6	3997.8	3846.7	3831.6
70°	4061.8	4095.2	4199.1	4469.2	4805.7	5014.3	4607.7	4196.6	3893.5	3715.1	3702.4
72.5°	3542.3	3606.3	3744.8	4099.2	4637.4	4924.6	4343.3	3758.7	3415.6	3263.7	3240.9
75°	2412.2	2516.1	2725.1	3236.4	3962.0	4263.8	3656.4	2996.8	2674.2	2463.9	2448.5
77.5°	1075.5	1099.2	1364.0	1952.7	2734.1	3062.0	2656.6	1960.4	1471.5	1173.7	1111.0
80°	299.8	303.5	405.0	727.2	1368.5	1799.1	1469.1	763.9	429.4	302.7	285.2
82.5°	95.3	103.5	126.3	188.6	460.0	820.9	472.2	203.7	145.0	115.7	104.3
85°	46.4	46.0	64.0	76.6	117.3	181.7	125.1	94.5	82.7	55.0	49.7
87.5°	19.6	20.0	29.7	26.9	34.2	29.3	40.3	42.4	44.4	24.4	21.2
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)