

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: P316156

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316156
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 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: 12317 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

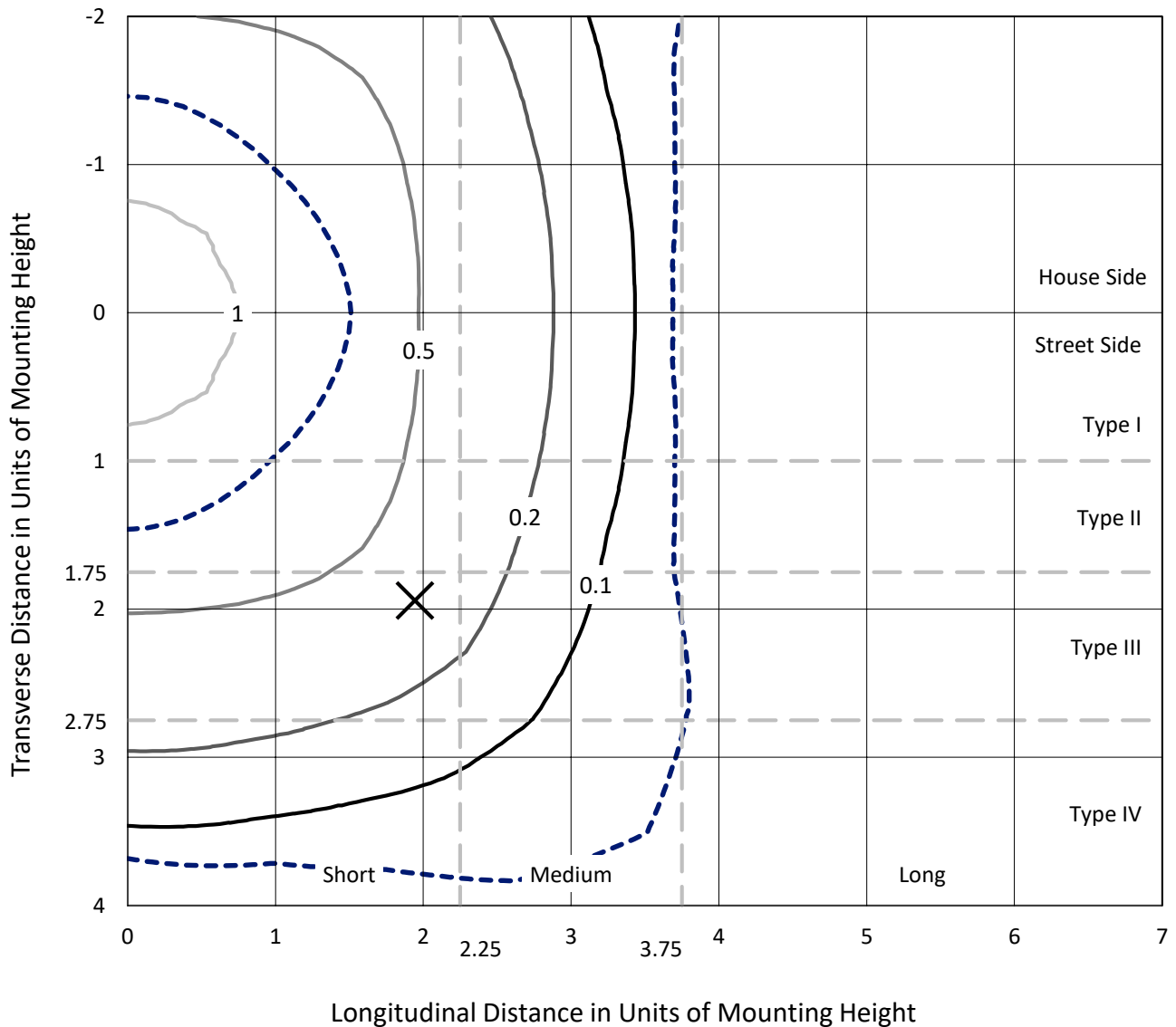
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

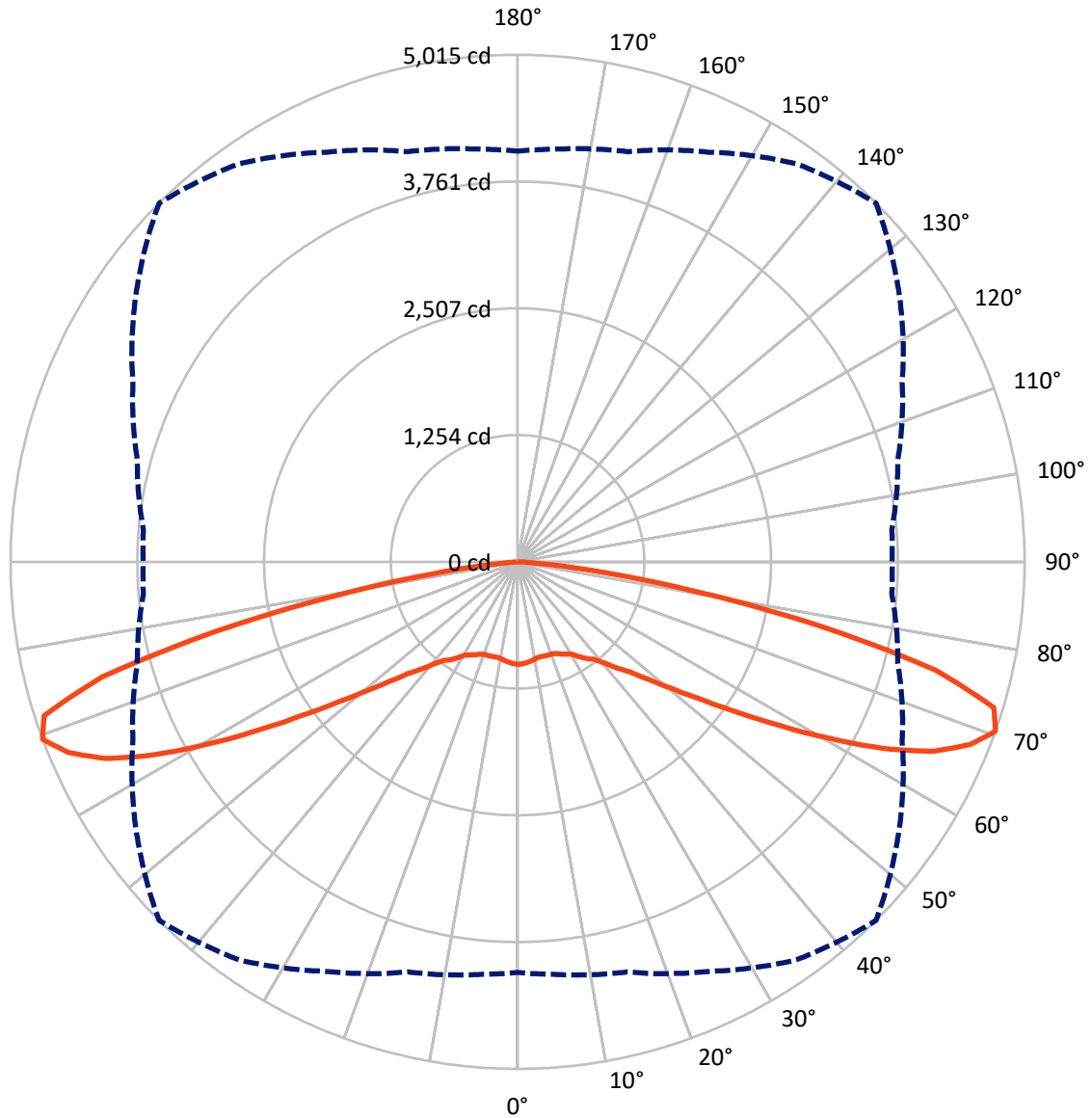
✕ Max cd
 - - - 1/2 Max cd



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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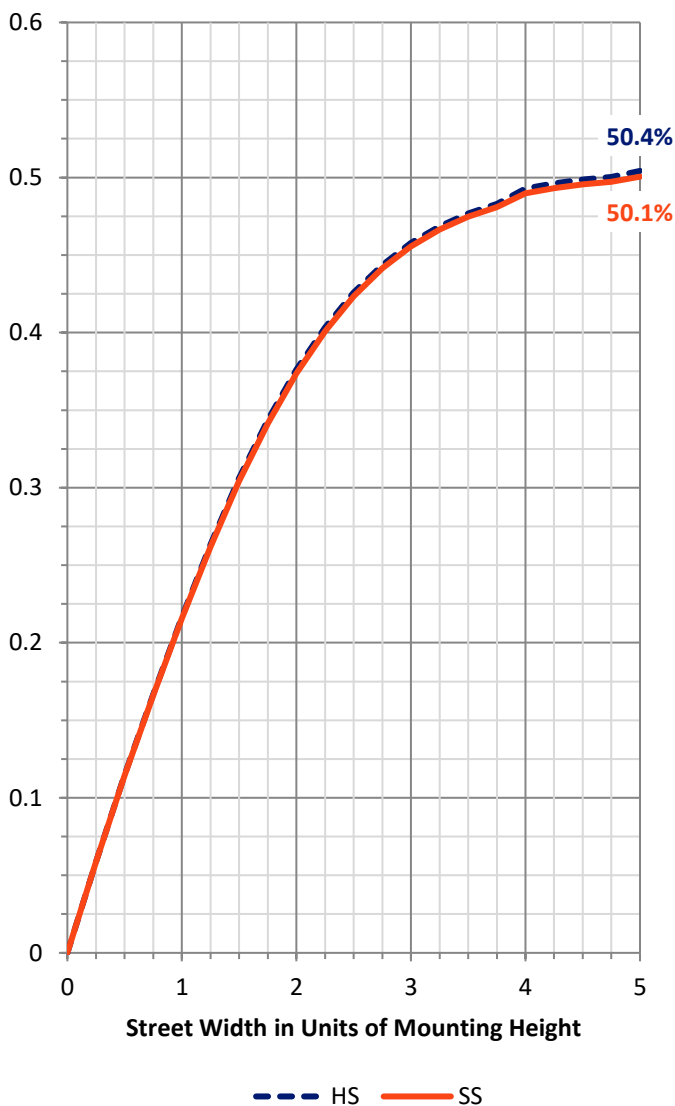
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6158.5	0.0	6158.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6158.5	0.0	6158.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12317.0	0.0	12317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	0.8
10°-20°	276.4	2.2
20°-30°	471.2	3.8
30°-40°	736.2	6.0
40°-50°	1247.8	10.1
50°-60°	2275.4	18.5
60°-70°	3917.3	31.8
70°-80°	3070.5	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°	12317.0	100.0
0°-180°	12317.0	100.0

Coefficient of Utilization



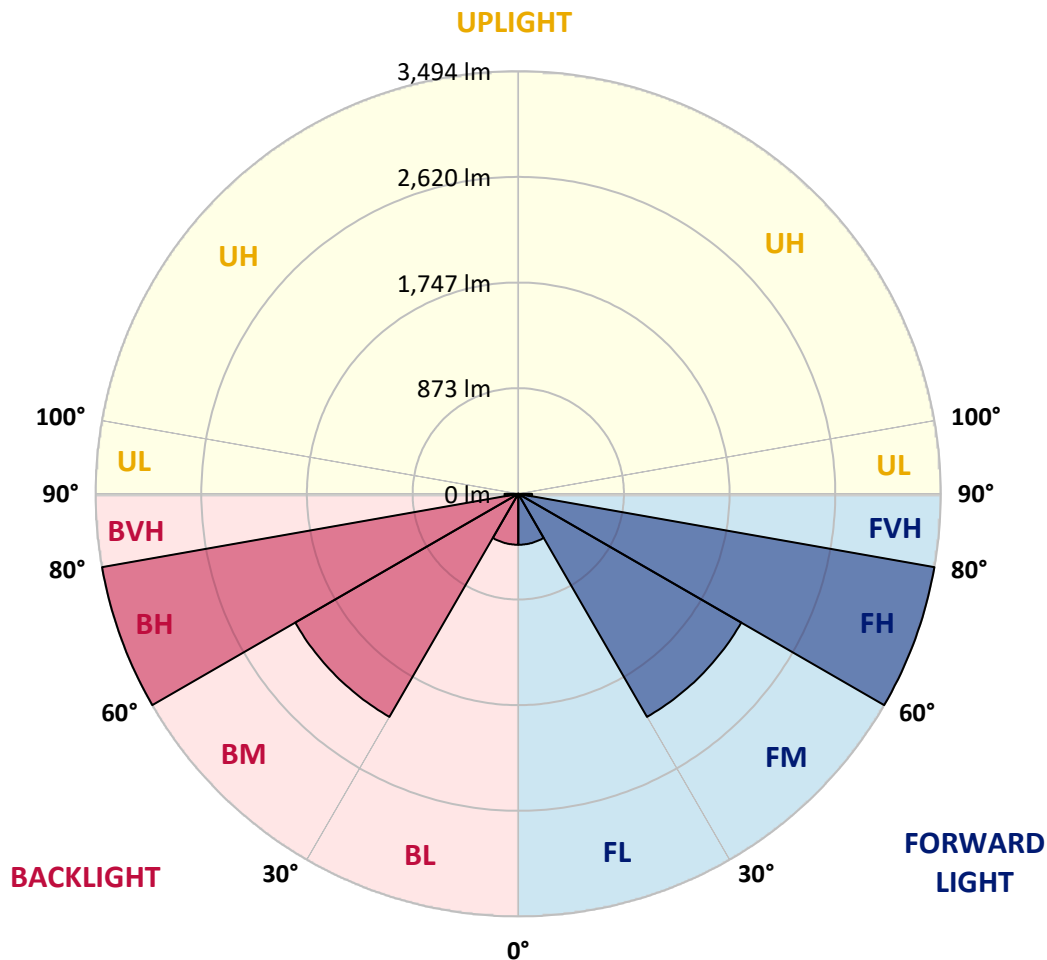
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.1	3.4			
FM (30°-60°)	2129.7	17.3			
FH (60°-80°)	3493.9	28.4			G2/5000
FVH (80°-90°)	113.8	0.9			G2/225
BL (0°-30°)	421.1	3.4	B1/500		
BM (30°-60°)	2129.7	17.3	B2/2500		
BH (60°-80°)	3493.9	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°	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7
2.5°	1009.2	1010.4	1009.2	1010.0	1008.0	1008.8	1008.8	1008.8	1008.4	1008.8	1008.0
5°	1000.2	1001.1	999.4	1000.2	999.0	1000.2	1000.7	1000.2	999.4	999.8	998.2
7.5°	986.8	987.6	986.4	987.6	986.0	988.0	987.6	986.4	985.2	985.2	983.5
10°	979.5	979.9	976.6	975.4	971.7	972.5	973.8	975.0	976.2	978.7	978.2
12.5°	979.9	979.9	975.0	969.7	964.4	965.6	967.7	972.1	977.0	981.5	981.9
15°	983.9	983.5	976.2	967.7	964.0	967.7	968.9	971.7	979.5	987.2	987.6
17.5°	986.8	986.8	975.4	965.6	965.2	970.9	970.5	971.7	980.3	991.7	992.1
20°	992.1	992.1	977.4	966.8	966.8	972.9	973.4	975.4	983.9	996.6	998.6
22.5°	1003.9	1004.3	988.8	980.3	981.1	984.8	986.0	989.2	997.0	1010.8	1013.3
25°	1020.6	1021.4	1005.5	1000.7	1003.5	1010.4	1009.6	1012.1	1020.6	1034.1	1036.5
27.5°	1043.8	1041.8	1027.1	1025.1	1028.0	1032.8	1032.4	1032.8	1039.8	1052.0	1054.8
30°	1074.0	1073.2	1062.6	1063.8	1062.6	1061.0	1061.4	1064.6	1068.3	1078.1	1080.9
32.5°	1103.3	1104.1	1097.6	1103.7	1112.7	1118.8	1109.4	1100.5	1096.4	1101.7	1104.1
35°	1156.3	1158.3	1148.1	1144.1	1156.3	1174.2	1147.7	1133.1	1141.2	1148.1	1150.2
37.5°	1246.3	1247.6	1230.4	1214.1	1205.2	1222.3	1195.8	1197.0	1225.6	1238.6	1238.2
40°	1349.0	1349.4	1338.0	1323.7	1308.3	1312.3	1301.7	1305.0	1323.7	1335.6	1338.8
42.5°	1471.2	1470.0	1452.1	1431.7	1427.2	1431.3	1413.4	1410.9	1432.5	1453.7	1454.1
45°	1629.7	1626.9	1603.7	1581.2	1559.6	1550.7	1546.2	1558.0	1587.8	1607.3	1607.7
47.5°	1800.4	1792.7	1780.5	1762.6	1743.8	1734.8	1727.5	1733.2	1754.8	1762.6	1763.4
50°	1976.0	1977.7	1980.1	1973.2	1966.3	1963.4	1944.3	1933.3	1939.8	1925.5	1923.5
52.5°	2184.2	2187.5	2211.1	2231.1	2242.9	2249.0	2212.8	2174.9	2153.7	2126.0	2117.8
55°	2429.9	2435.2	2469.9	2525.3	2582.3	2612.5	2546.9	2476.0	2410.4	2358.6	2341.9
57.5°	2703.7	2713.1	2760.8	2867.1	2984.0	3055.3	2944.5	2815.8	2689.1	2614.5	2601.5
60°	3024.8	3033.7	3099.7	3252.1	3441.6	3548.7	3380.9	3170.2	3012.6	2941.3	2917.2
62.5°	3406.9	3407.8	3488.8	3666.9	3917.1	4066.2	3838.8	3557.3	3394.7	3308.8	3285.5
65°	3818.0	3820.1	3904.0	4096.3	4355.0	4517.2	4260.5	3967.2	3768.3	3641.6	3623.7
67.5°	4108.5	4117.1	4205.5	4436.9	4678.9	4825.2	4559.6	4227.9	3998.1	3847.0	3831.9
70°	4062.1	4095.5	4199.4	4469.5	4806.1	5014.7	4608.1	4197.0	3893.8	3715.4	3702.7
72.5°	3542.6	3606.6	3745.1	4099.6	4637.8	4925.0	4343.6	3759.0	3415.9	3263.9	3241.1
75°	2412.4	2516.3	2725.3	3236.6	3962.3	4264.2	3656.7	2997.1	2674.4	2464.1	2448.7
77.5°	1075.6	1099.3	1364.1	1952.8	2734.3	3062.3	2656.9	1960.6	1471.6	1173.8	1111.1
80°	299.9	303.5	405.0	727.3	1368.6	1799.2	1469.2	763.9	429.4	302.7	285.2
82.5°	95.3	103.5	126.3	188.6	460.0	821.0	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)