

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: P316275

Luminaire Tested: **GAN-SA1B-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316275
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-SA1B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4633 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

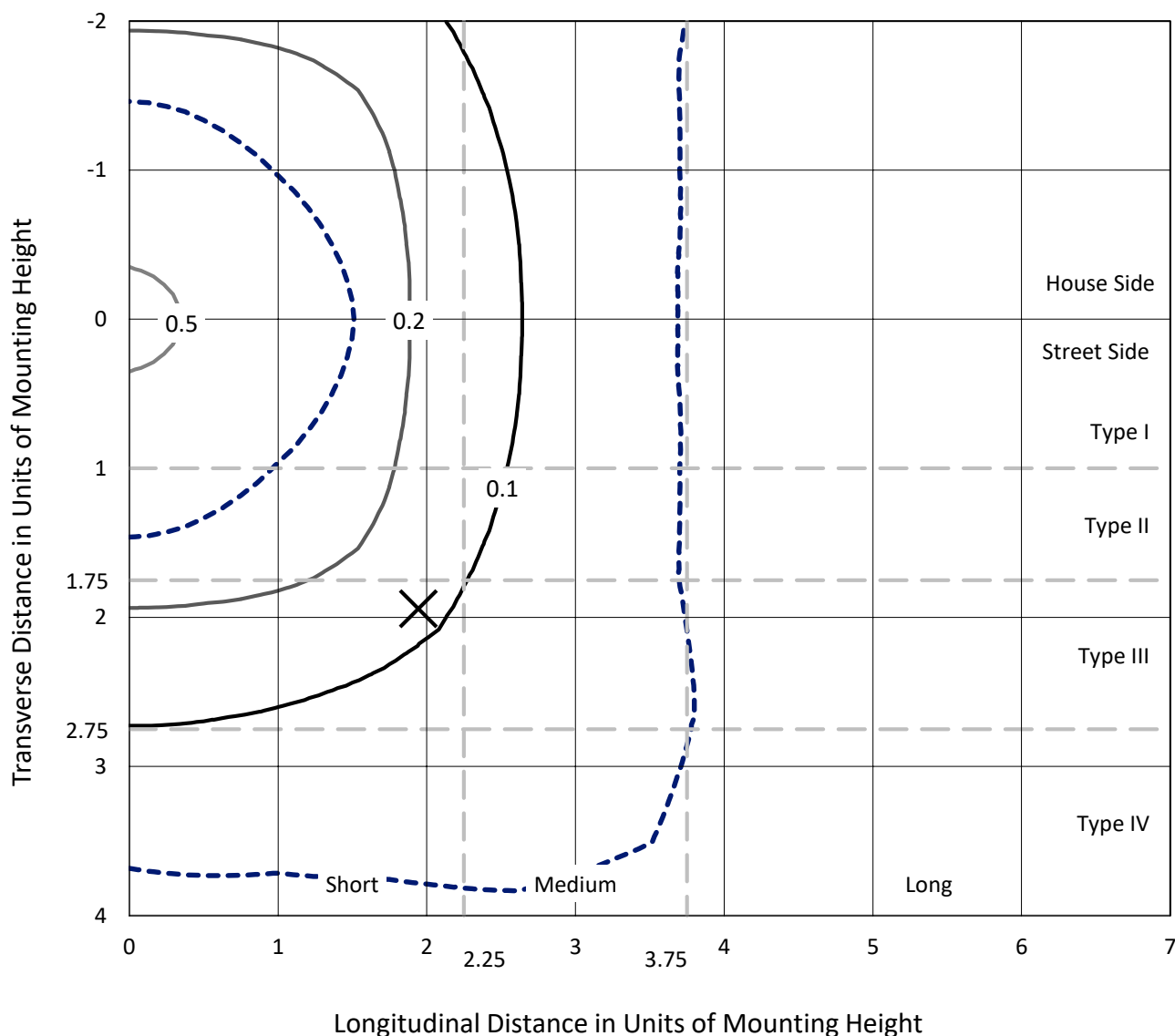
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

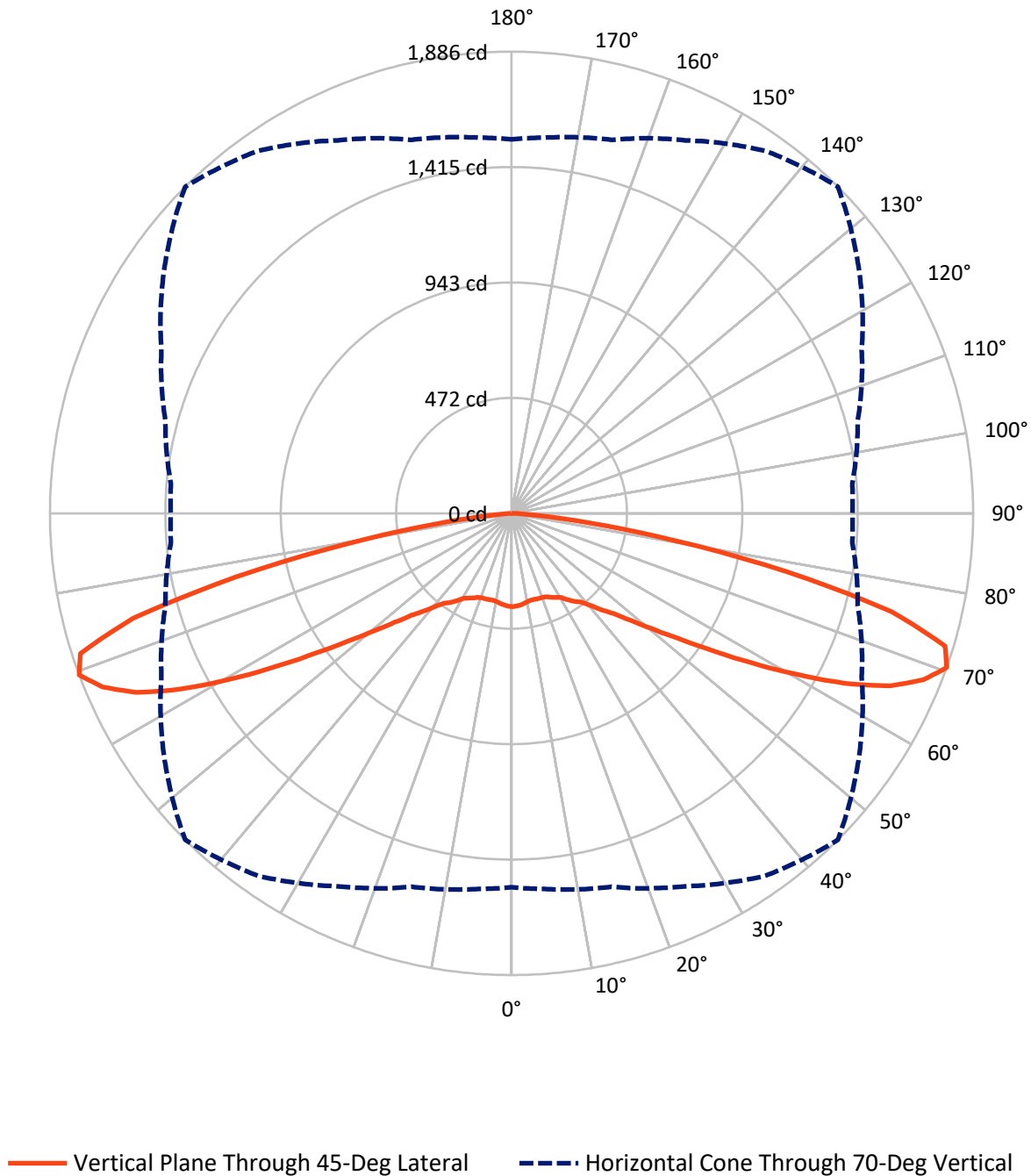
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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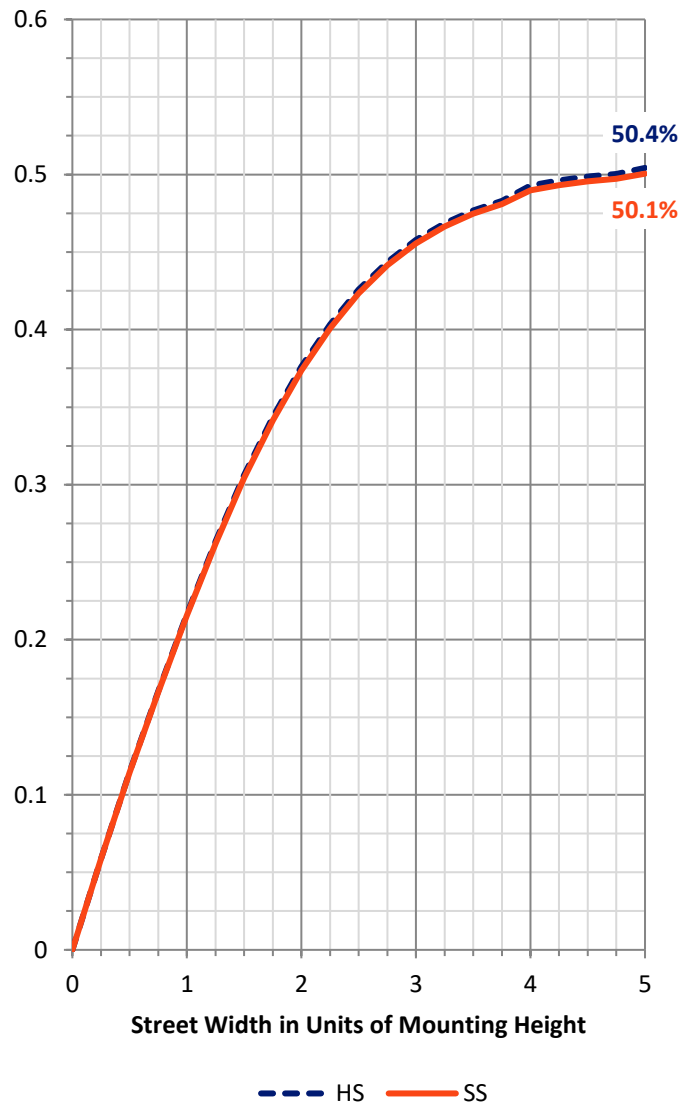
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2316.5	0.0	2316.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2316.5	0.0	2316.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4633.0	0.0	4633.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	0.8
10°-20°	104.0	2.2
20°-30°	177.2	3.8
30°-40°	276.9	6.0
40°-50°	469.3	10.1
50°-60°	855.9	18.5
60°-70°	1473.5	31.8
70°-80°	1155.0	24.9
80°-90°	85.6	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°	4633.0	100.0
0°-180°	4633.0	100.0

Coefficient of Utilization



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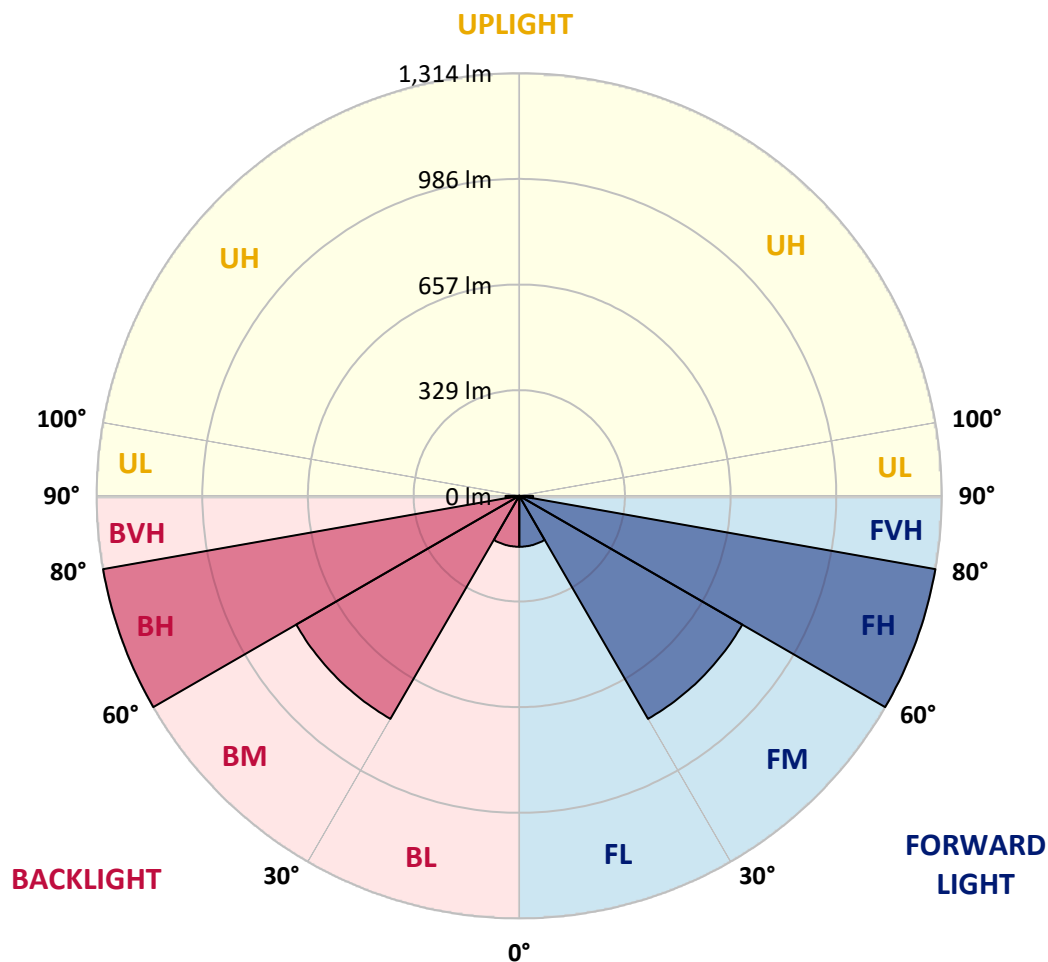
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.4	3.4			
FM	(30°-60°)	801.1	17.3			
FH	(60°-80°)	1314.2	28.4			G1/1800
FVH	(80°-90°)	42.8	0.9			G1/100
BL	(0°-30°)	158.4	3.4	B1/500		
BM	(30°-60°)	801.1	17.3	B1/1000		
BH	(60°-80°)	1314.2	28.4	B3/2500		G1/1800
BVH	(80°-90°)	42.8	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3
2.5°	379.6	380.1	379.6	379.9	379.2	379.5	379.5	379.5	379.3	379.5	379.2
5°	376.2	376.5	375.9	376.2	375.8	376.2	376.4	376.2	375.9	376.1	375.5
7.5°	371.2	371.5	371.0	371.5	370.9	371.6	371.5	371.0	370.6	370.6	370.0
10°	368.4	368.6	367.4	366.9	365.5	365.8	366.3	366.7	367.2	368.1	368.0
12.5°	368.6	368.6	366.7	364.7	362.8	363.2	364.0	365.7	367.5	369.2	369.3
15°	370.1	370.0	367.2	364.0	362.6	364.0	364.4	365.5	368.4	371.3	371.5
17.5°	371.2	371.2	366.9	363.2	363.1	365.2	365.1	365.5	368.7	373.0	373.2
20°	373.2	373.2	367.7	363.7	363.7	366.0	366.1	366.9	370.1	374.9	375.6
22.5°	377.6	377.8	371.9	368.7	369.0	370.4	370.9	372.1	375.0	380.2	381.1
25°	383.9	384.2	378.2	376.4	377.5	380.1	379.8	380.7	383.9	389.0	389.9
27.5°	392.6	391.9	386.4	385.6	386.7	388.5	388.3	388.5	391.1	395.7	396.8
30°	404.0	403.7	399.7	400.1	399.7	399.1	399.2	400.5	401.8	405.5	406.6
32.5°	415.0	415.3	412.9	415.2	418.5	420.8	417.3	413.9	412.4	414.4	415.3
35°	434.9	435.7	431.9	430.3	434.9	441.7	431.7	426.2	429.3	431.9	432.6
37.5°	468.8	469.3	462.8	456.7	453.3	459.8	449.8	450.3	461.0	465.9	465.7
40°	507.4	507.6	503.3	497.9	492.1	493.6	489.6	490.9	497.9	502.4	503.6
42.5°	553.4	552.9	546.2	538.5	536.8	538.4	531.6	530.7	538.8	546.8	547.0
45°	613.0	611.9	603.2	594.8	586.7	583.3	581.6	586.0	597.2	604.6	604.7
47.5°	677.2	674.3	669.7	663.0	655.9	652.6	649.8	651.9	660.1	663.0	663.3
50°	743.3	743.9	744.8	742.2	739.6	738.5	731.3	727.2	729.6	724.3	723.5
52.5°	821.6	822.8	831.7	839.2	843.7	846.0	832.3	818.1	810.1	799.7	796.6
55°	914.0	916.0	929.0	949.9	971.3	982.7	958.0	931.3	906.7	887.2	880.9
57.5°	1017.0	1020.5	1038.5	1078.5	1122.4	1149.3	1107.6	1059.1	1011.5	983.4	978.5
60°	1137.8	1141.1	1166.0	1223.3	1294.5	1334.8	1271.7	1192.5	1133.2	1106.3	1097.3
62.5°	1281.5	1281.8	1312.3	1379.3	1473.4	1529.5	1444.0	1338.1	1276.9	1244.6	1235.8
65°	1436.1	1436.9	1468.5	1540.8	1638.1	1699.1	1602.6	1492.2	1417.4	1369.8	1363.0
67.5°	1545.4	1548.6	1581.9	1668.9	1760.0	1815.0	1715.1	1590.3	1503.9	1447.0	1441.4
70°	1527.9	1540.5	1579.6	1681.2	1807.8	1886.3	1733.3	1578.7	1464.7	1397.5	1392.8
72.5°	1332.5	1356.6	1408.7	1542.0	1744.5	1852.5	1633.8	1413.9	1284.9	1227.7	1219.1
75°	907.4	946.5	1025.1	1217.5	1490.4	1604.0	1375.5	1127.3	1006.0	926.9	921.1
77.5°	404.6	413.5	513.1	734.5	1028.5	1151.9	999.4	737.5	553.6	441.5	417.9
80°	112.8	114.2	152.3	273.6	514.8	676.8	552.6	287.4	161.5	113.9	107.3
82.5°	35.9	38.9	47.5	71.0	173.0	308.8	177.6	76.6	54.6	43.5	39.2
85°	17.5	17.3	24.1	28.8	44.1	68.4	47.0	35.6	31.1	20.7	18.7
87.5°	7.4	7.5	11.2	10.1	12.9	11.0	15.2	15.9	16.7	9.2	8.0
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)