

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: P316395

Luminaire Tested: **GAN-SA1B-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316395
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-SA1B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5258 lumens
Efficiency: N/A
Efficacy: 119.5 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

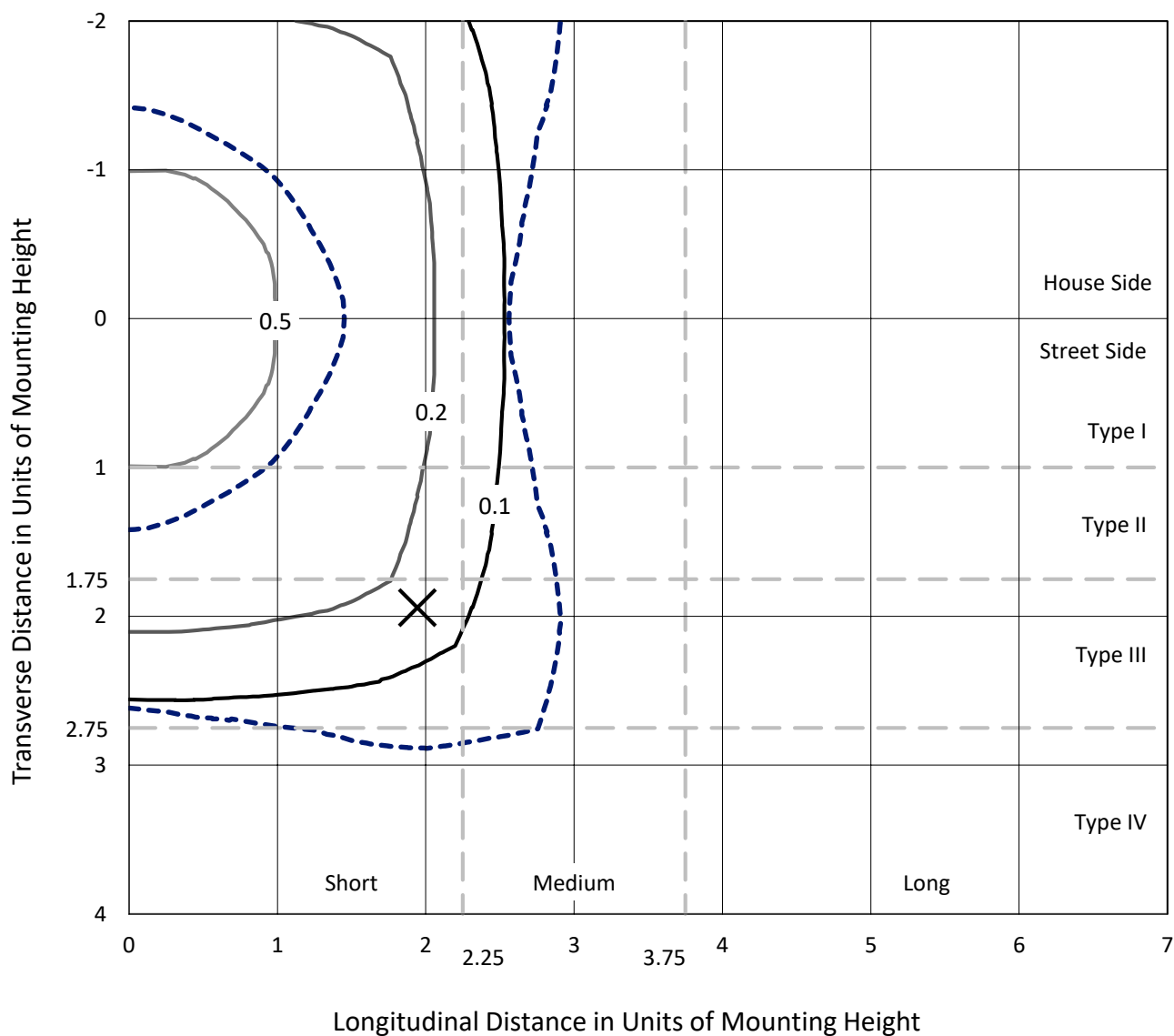
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

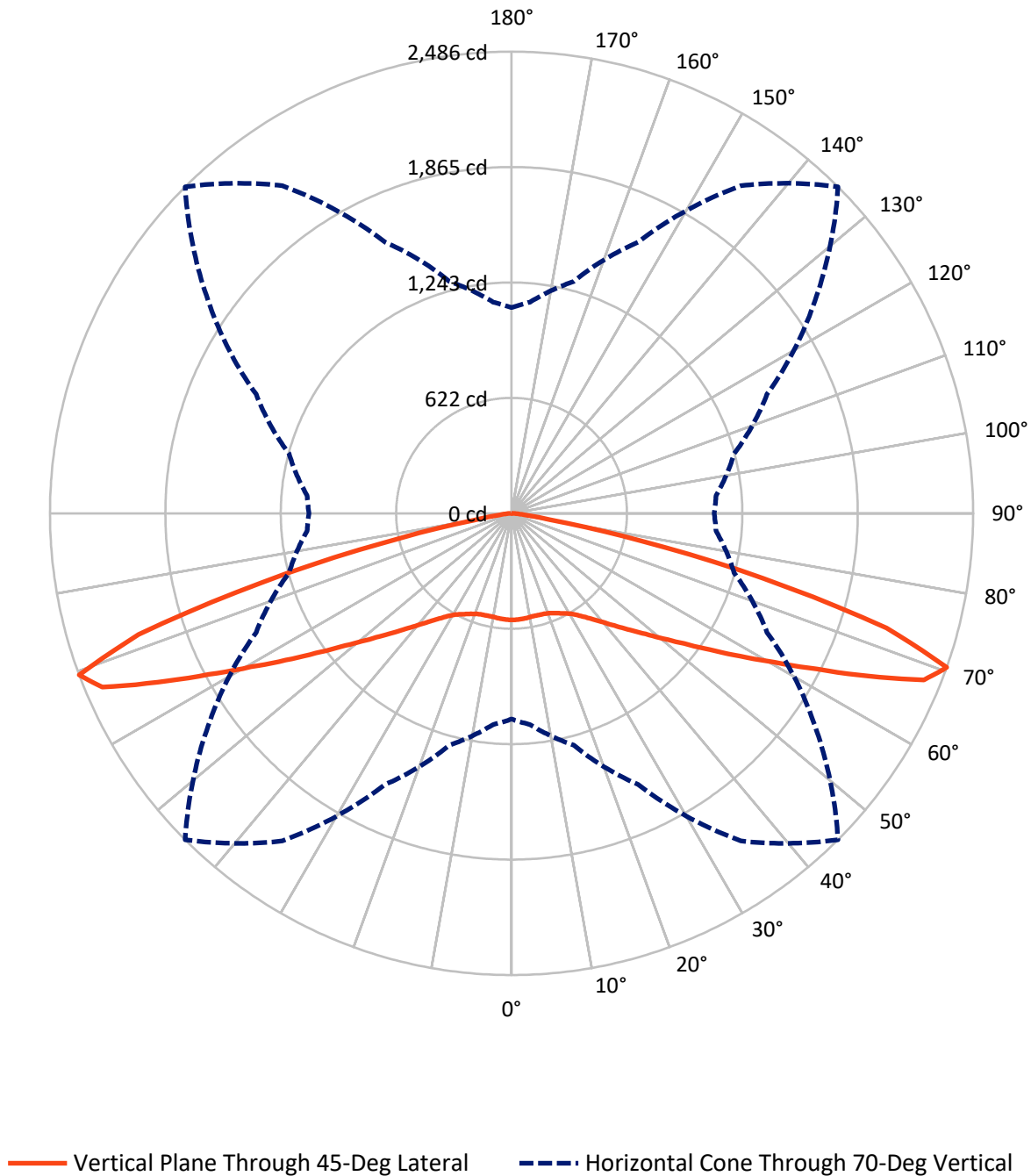
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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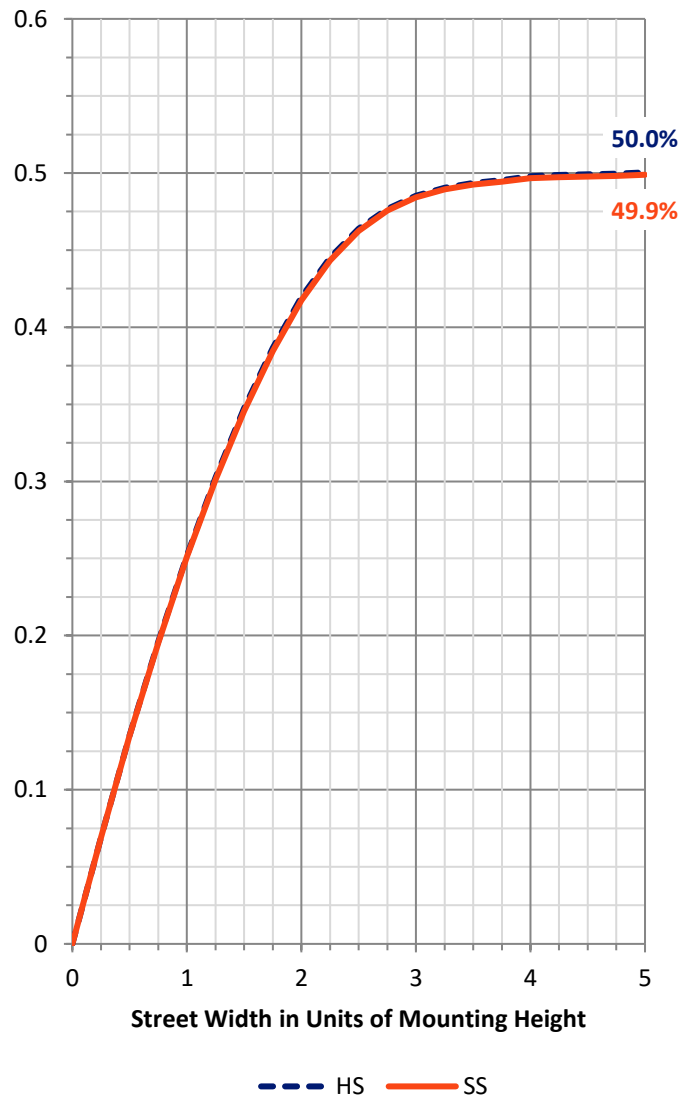
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2629.0	0.0	2629.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2629.0	0.0	2629.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5258.0	0.0	5258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.0
10°-20°	159.7	3.0
20°-30°	271.8	5.2
30°-40°	431.1	8.2
40°-50°	701.5	13.3
50°-60°	1156.7	22.0
60°-70°	1698.0	32.3
70°-80°	750.9	14.3
80°-90°	34.0	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°	5258.0	100.0
0°-180°	5258.0	100.0

Coefficient of Utilization



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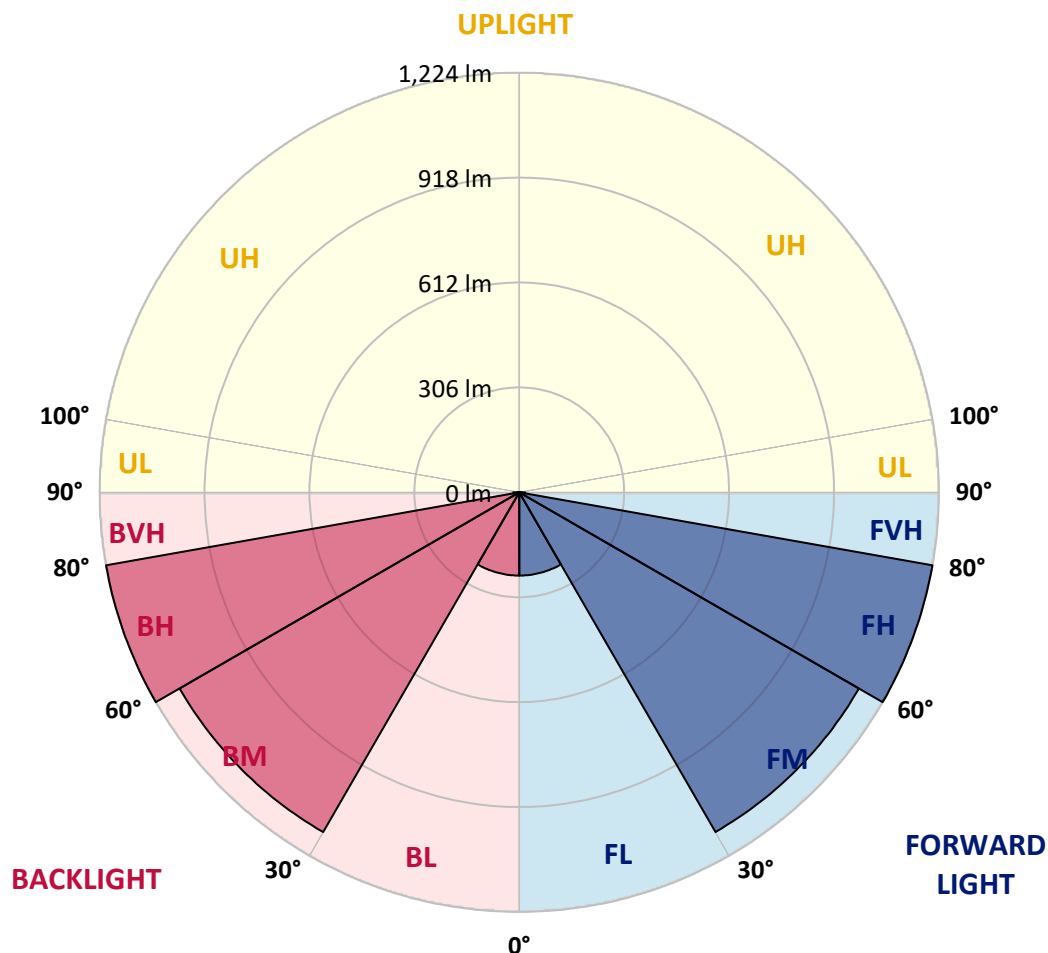
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.9	4.6			
FM	(30°-60°)	1144.6	21.8			
FH	(60°-80°)	1224.4	23.3			G1/1800
FVH	(80°-90°)	17.0	0.3			G1/100
BL	(0°-30°)	242.9	4.6	B1/500		
BM	(30°-60°)	1144.6	21.8	B2/2500		
BH	(60°-80°)	1224.4	23.3	B3/2500		G1/1800
BVH	(80°-90°)	17.0	0.3			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°	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3
2.5°	573.4	572.9	574.1	573.9	572.9	573.0	573.0	573.6	573.6	573.2	573.2
5°	571.3	570.9	572.3	572.3	571.3	571.6	572.0	572.5	572.3	572.0	571.8
7.5°	568.7	568.5	569.9	569.9	569.2	569.6	569.2	569.4	569.0	568.7	568.2
10°	564.3	564.7	565.9	566.3	566.3	566.4	566.1	565.2	564.7	564.2	563.6
12.5°	560.3	560.2	561.9	562.8	564.2	565.7	564.7	562.2	561.2	560.2	559.8
15°	557.7	557.9	559.6	561.2	563.6	566.9	565.7	561.9	559.8	558.6	558.2
17.5°	557.2	557.5	559.8	562.6	565.2	568.9	568.2	564.3	560.9	558.6	558.1
20°	558.4	558.6	562.1	566.1	570.6	574.1	572.5	568.3	563.6	560.2	559.3
22.5°	560.7	561.4	565.7	572.0	579.0	583.7	581.7	574.6	567.3	562.9	561.7
25°	567.8	568.0	573.9	582.4	590.8	596.2	593.9	583.8	574.4	569.6	568.0
27.5°	582.6	583.1	589.0	599.0	606.1	609.6	608.2	600.0	592.0	586.8	587.3
30°	604.0	604.7	611.3	622.3	626.6	627.5	627.2	623.3	616.0	609.1	609.6
32.5°	630.1	630.5	639.3	649.3	652.7	653.4	652.7	649.3	640.6	631.2	631.7
35°	663.7	664.7	673.3	682.8	685.6	687.0	685.8	681.3	672.2	663.0	662.7
37.5°	705.1	705.3	714.2	724.1	727.6	727.9	726.5	723.6	712.3	703.9	703.4
40°	753.1	753.8	764.3	774.9	776.3	774.7	776.6	774.9	763.2	753.7	755.2
42.5°	811.6	813.2	825.7	836.2	832.1	831.3	832.5	833.0	823.6	812.0	810.9
45°	879.7	881.0	896.7	905.1	902.5	896.7	899.1	903.3	890.3	875.8	877.2
47.5°	957.3	960.7	977.5	985.3	978.8	971.0	975.7	982.0	966.7	948.7	947.9
50°	1043.6	1047.9	1070.2	1081.2	1074.7	1060.3	1068.1	1072.3	1050.2	1027.0	1025.1
52.5°	1135.6	1140.0	1168.0	1190.6	1186.4	1164.0	1175.0	1170.6	1145.2	1114.1	1111.6
55°	1239.9	1241.6	1271.9	1308.4	1312.6	1296.1	1295.4	1288.2	1250.7	1214.6	1212.9
57.5°	1347.1	1348.3	1387.4	1430.6	1450.3	1450.3	1430.8	1415.6	1365.7	1323.9	1319.6
60°	1462.8	1467.1	1510.5	1569.1	1615.0	1628.6	1594.2	1552.9	1498.6	1447.6	1442.6
62.5°	1565.8	1570.8	1637.2	1724.5	1798.3	1847.7	1763.5	1696.3	1597.5	1515.7	1506.1
65°	1578.9	1592.4	1689.0	1847.2	2012.3	2111.0	1949.5	1784.0	1603.9	1490.3	1480.5
67.5°	1441.9	1464.9	1595.4	1841.6	2182.9	2394.6	2068.4	1733.9	1488.4	1362.7	1351.9
70°	1108.0	1141.4	1291.9	1610.9	2153.5	2486.0	1993.9	1517.9	1240.9	1105.7	1090.6
72.5°	607.8	621.6	757.0	1103.1	1726.4	2112.6	1663.1	1122.4	822.9	669.6	644.2
75°	192.8	197.7	266.6	451.4	976.6	1399.3	1056.5	550.9	303.3	223.6	221.0
77.5°	85.6	86.1	96.4	131.7	336.4	708.9	404.1	150.0	103.4	90.3	93.3
80°	54.1	54.1	59.7	65.3	91.5	205.9	109.3	71.3	60.9	56.6	57.8
82.5°	25.9	28.7	38.8	41.8	50.3	69.3	56.0	46.6	40.7	30.3	28.2
85°	17.1	14.3	24.5	27.7	29.2	33.2	32.5	30.8	26.6	15.1	16.9
87.5°	7.7	7.3	12.7	11.7	11.0	8.4	12.5	15.5	15.0	7.5	7.5
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)