

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: P382740

Luminaire Tested: **GAN-SA1B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382740
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-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5871.5 lumens
Efficiency: N/A
Efficacy: 133.4 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

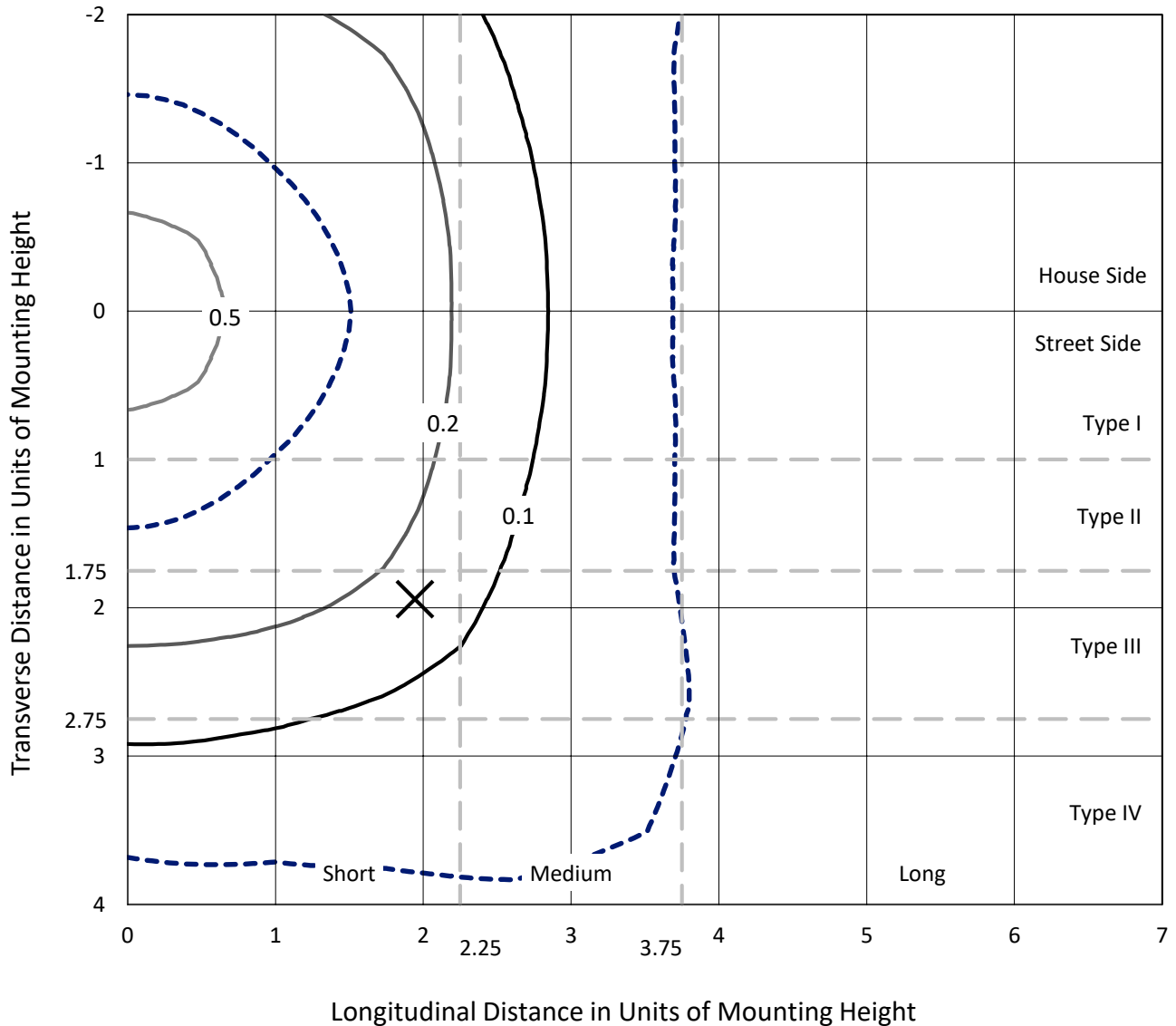
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

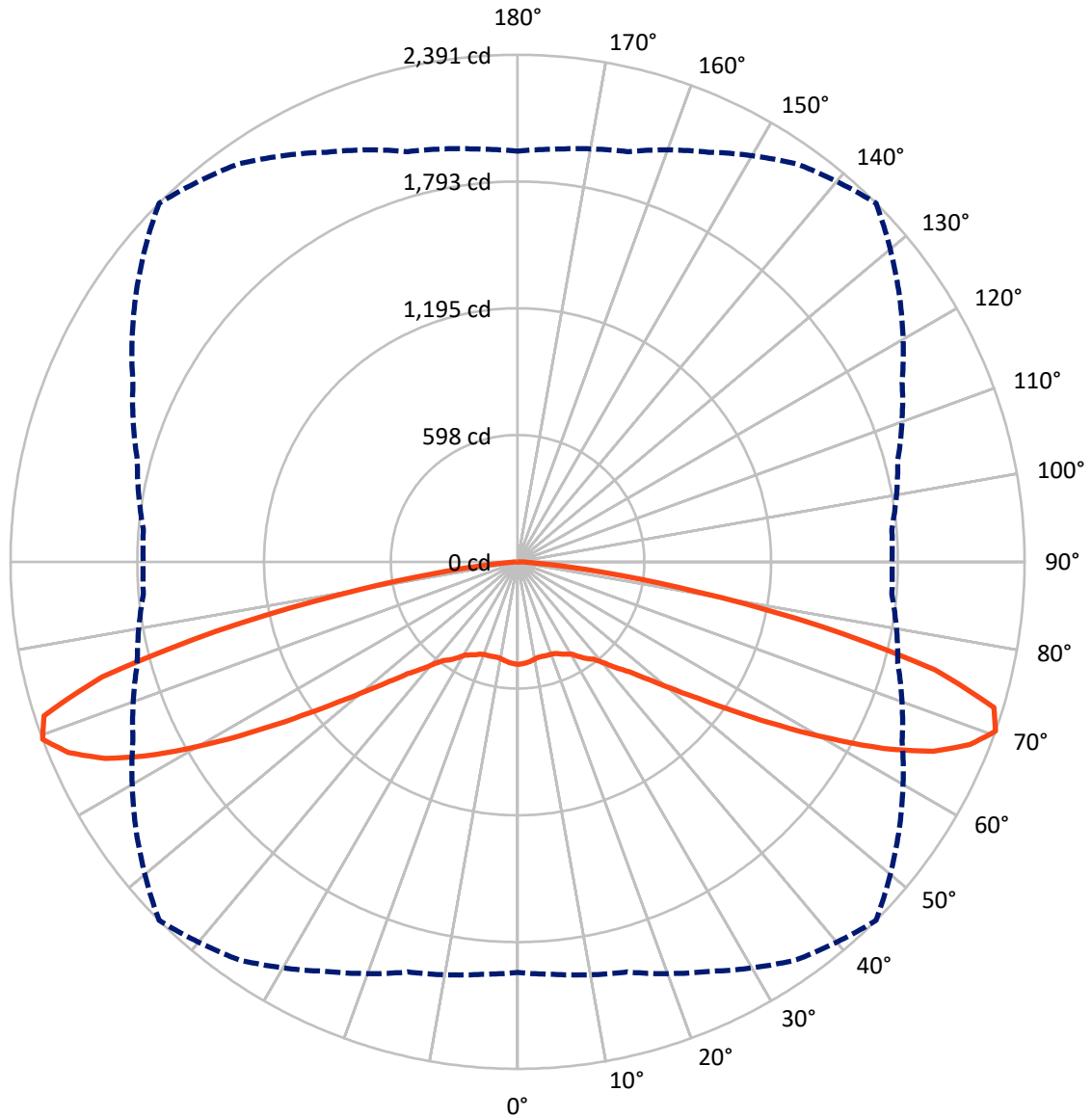
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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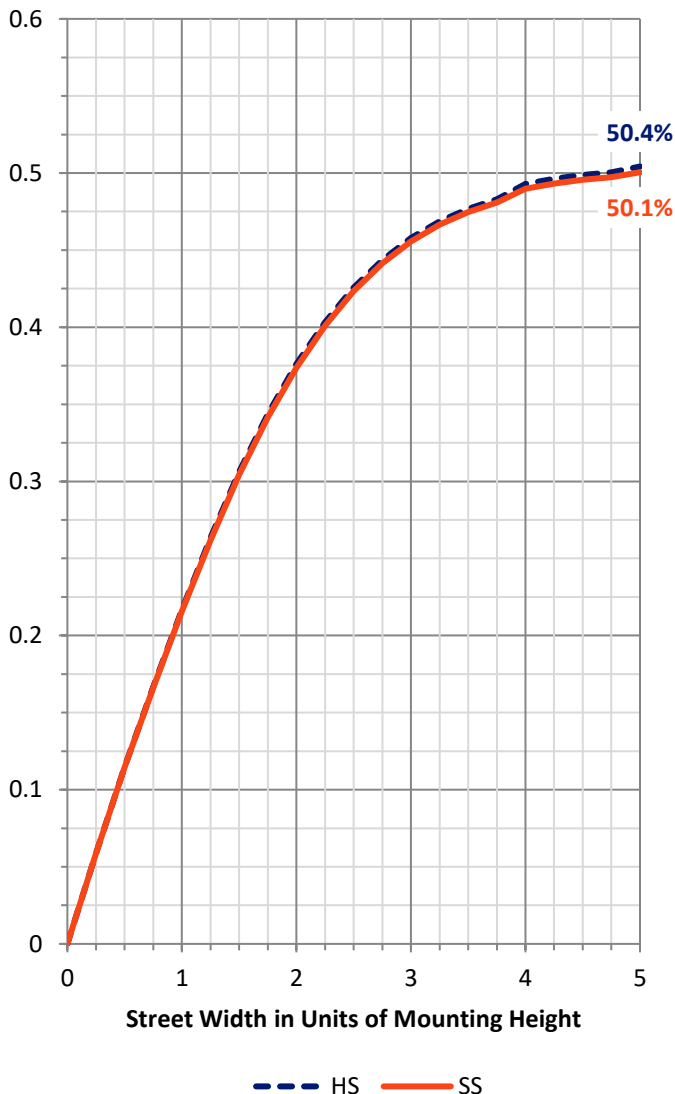
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2935.8	0.0	2935.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2935.8	0.0	2935.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5871.5	0.0	5871.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	0.8
10°-20°	131.7	2.2
20°-30°	224.6	3.8
30°-40°	351.0	6.0
40°-50°	594.8	10.1
50°-60°	1084.7	18.5
60°-70°	1867.4	31.8
70°-80°	1463.7	24.9
80°-90°	108.5	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°	5871.5	100.0
0°-180°	5871.5	100.0



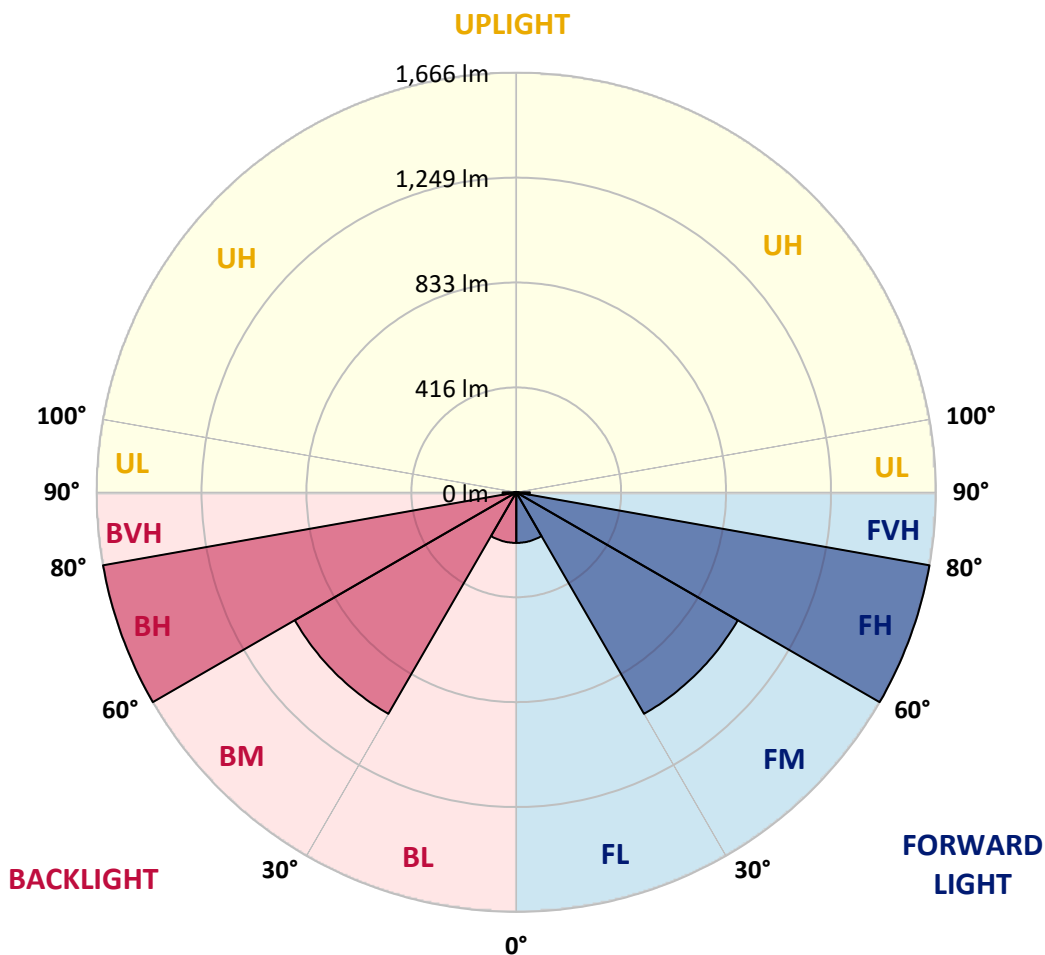
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.7	3.4			
FM (30°-60°)	1015.2	17.3			
FH (60°-80°)	1665.5	28.4			G1/1800
FVH (80°-90°)	54.3	0.9			G1/100
BL (0°-30°)	200.7	3.4	B1/500		
BM (30°-60°)	1015.2	17.3	B2/2500		
BH (60°-80°)	1665.5	28.4	B3/2500		G1/1800
BVH (80°-90°)	54.3	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°	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2
2.5°	481.1	481.7	481.1	481.5	480.5	480.9	480.9	480.9	480.7	480.9	480.5
5°	476.9	477.2	476.4	476.9	476.2	476.9	477.0	476.9	476.4	476.6	475.8
7.5°	470.4	470.8	470.2	470.8	470.1	471.0	470.8	470.2	469.6	469.6	468.8
10°	466.9	467.1	465.6	464.9	463.3	463.6	464.2	464.7	465.4	466.5	466.3
12.5°	467.1	467.1	464.7	462.2	459.7	460.3	461.3	463.4	465.8	467.9	468.1
15°	469.0	468.8	465.4	461.3	459.5	461.3	461.9	463.3	466.9	470.6	470.8
17.5°	470.4	470.4	464.9	460.3	460.1	462.8	462.6	463.3	467.3	472.8	472.9
20°	472.9	472.9	466.0	460.9	460.9	463.8	464.0	464.9	469.0	475.1	476.0
22.5°	478.5	478.7	471.4	467.3	467.7	469.4	470.1	471.5	475.3	481.9	483.0
25°	486.5	486.9	479.4	477.0	478.3	481.7	481.3	482.4	486.5	493.0	494.1
27.5°	497.6	496.6	489.6	488.7	490.0	492.3	492.1	492.3	495.7	501.5	502.8
30°	512.0	511.6	506.6	507.1	506.6	505.7	505.9	507.5	509.3	513.9	515.2
32.5°	526.0	526.3	523.3	526.1	530.4	533.3	528.8	524.6	522.7	525.2	526.3
35°	551.2	552.2	547.3	545.4	551.2	559.8	547.1	540.1	544.0	547.3	548.3
37.5°	594.1	594.7	586.6	578.8	574.5	582.7	570.0	570.7	584.3	590.4	590.2
40°	643.0	643.2	637.8	631.0	623.7	625.6	620.5	622.1	631.0	636.6	638.2
42.5°	701.4	700.8	692.2	682.5	680.4	682.3	673.8	672.6	682.9	693.0	693.2
45°	776.9	775.5	764.4	753.8	743.5	739.2	737.0	742.7	756.9	766.2	766.4
47.5°	858.2	854.6	848.7	840.3	831.3	827.0	823.5	826.2	836.5	840.3	840.6
50°	942.0	942.7	943.9	940.6	937.3	935.9	926.8	921.6	924.7	917.9	916.9
52.5°	1041.2	1042.8	1054.0	1063.5	1069.2	1072.1	1054.8	1036.8	1026.7	1013.4	1009.6
55°	1158.4	1160.9	1177.4	1203.8	1230.9	1245.4	1214.1	1180.3	1149.1	1124.4	1116.4
57.5°	1288.9	1293.4	1316.1	1366.8	1422.5	1456.5	1403.7	1342.3	1281.9	1246.3	1240.1
60°	1441.9	1446.2	1477.6	1550.3	1640.6	1691.7	1611.7	1511.2	1436.1	1402.1	1390.6
62.5°	1624.1	1624.5	1663.2	1748.0	1867.3	1938.4	1829.9	1695.8	1618.3	1577.3	1566.2
65°	1820.1	1821.1	1861.0	1952.7	2076.0	2153.4	2031.0	1891.1	1796.4	1735.9	1727.5
67.5°	1958.6	1962.7	2004.8	2115.1	2230.5	2300.2	2173.6	2015.5	1905.9	1833.8	1826.7
70°	1936.4	1952.3	2001.9	2130.6	2291.0	2390.5	2196.7	2000.7	1856.2	1771.2	1765.1
72.5°	1688.8	1719.3	1785.3	1954.3	2210.8	2347.8	2070.6	1791.9	1628.3	1556.0	1545.1
75°	1150.0	1199.6	1299.1	1542.9	1888.8	2032.7	1743.2	1428.7	1274.9	1174.7	1167.3
77.5°	512.7	524.0	650.2	930.9	1303.4	1459.8	1266.5	934.6	701.5	559.6	529.7
80°	143.0	144.7	193.0	346.7	652.4	857.7	700.3	364.1	204.8	144.3	135.9
82.5°	45.5	49.4	60.2	89.9	219.3	391.3	225.1	97.1	69.1	55.1	49.7
85°	22.2	22.0	30.5	36.5	55.9	86.6	59.6	45.1	39.4	26.2	23.7
87.5°	9.3	9.5	14.2	12.9	16.3	14.0	19.2	20.2	21.1	11.6	10.1
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)