

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: P316565

Luminaire Tested: **GAN-SA1C-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316565
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-SA1C-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7779 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

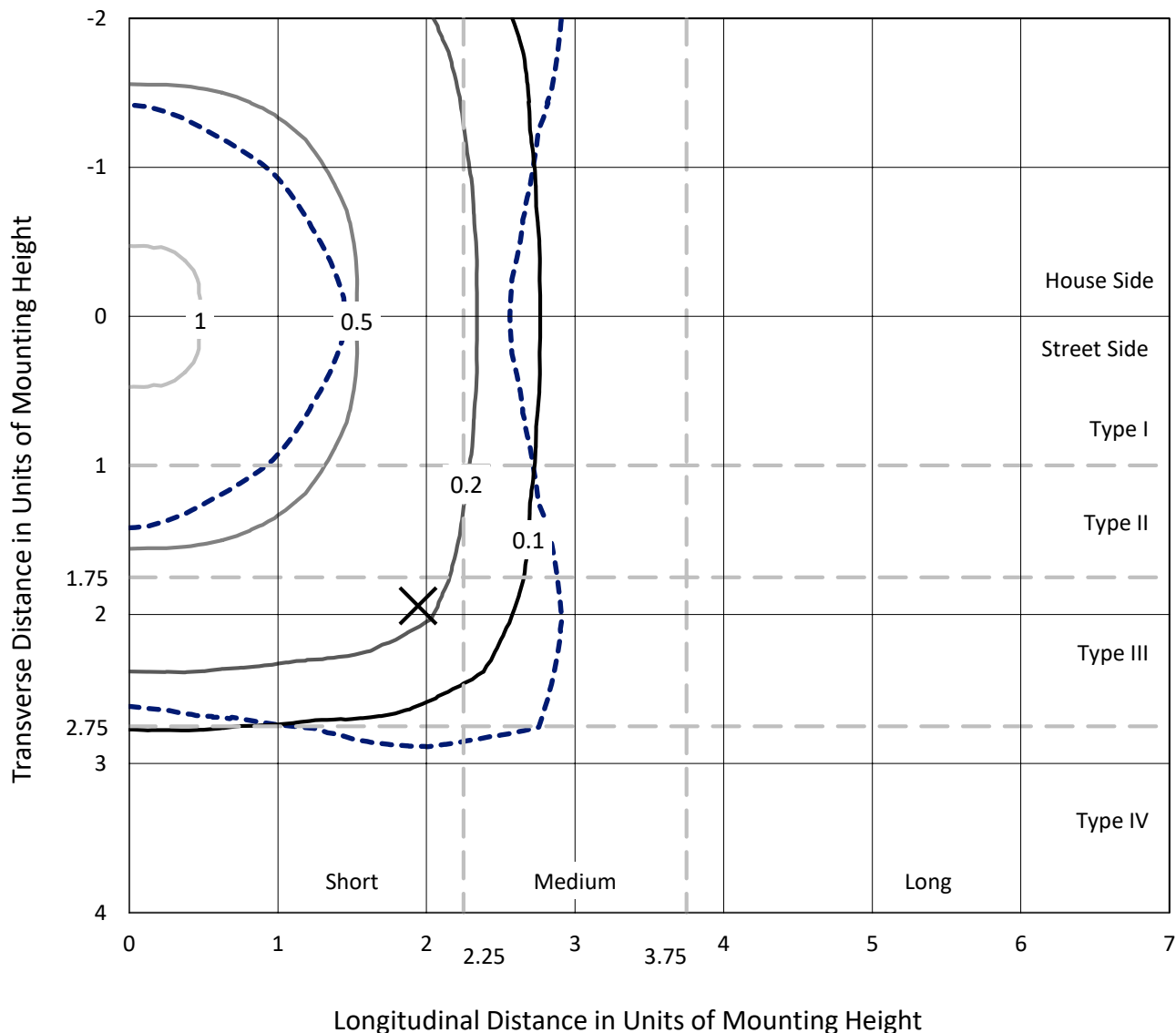
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

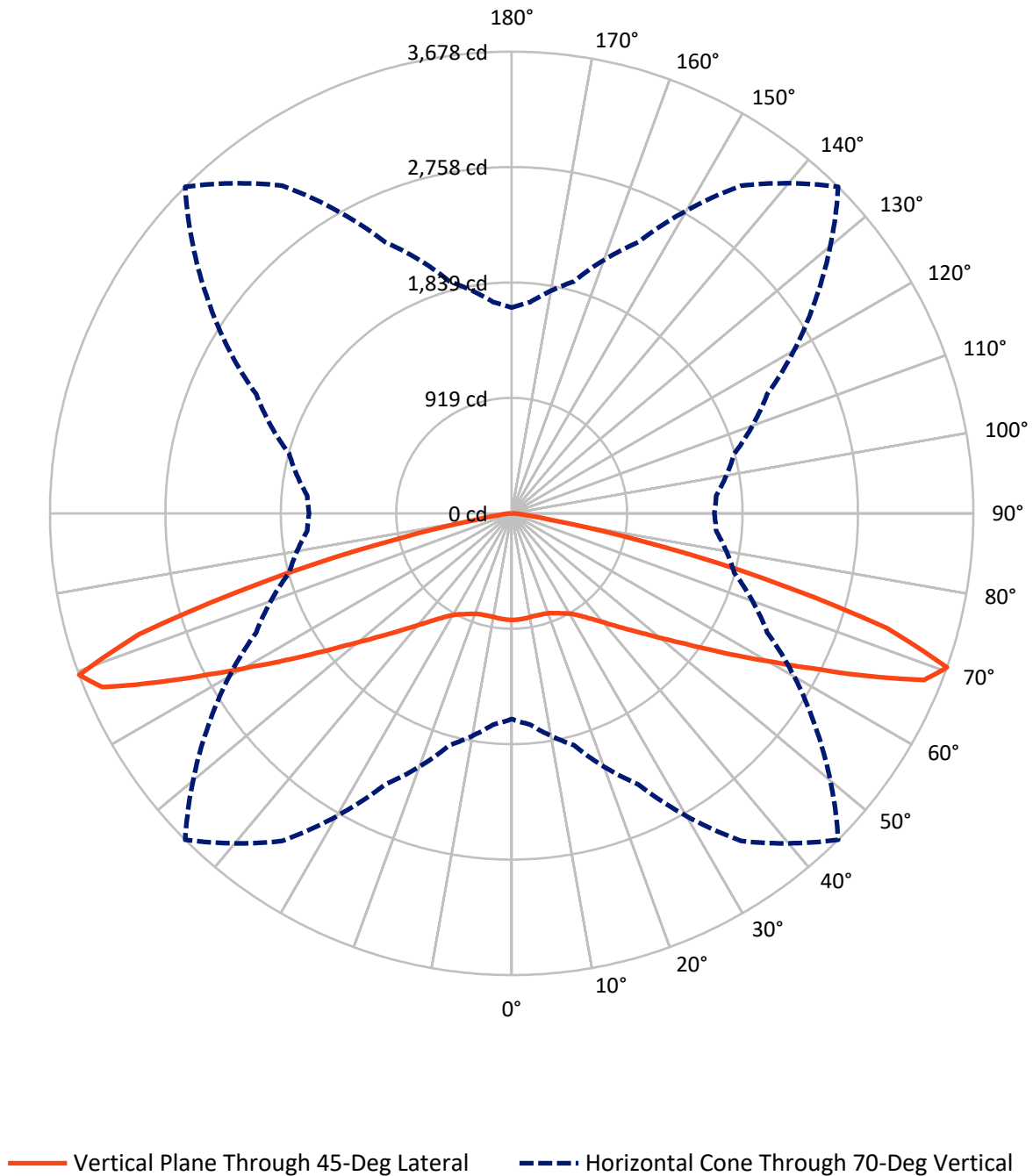
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	3889.5	0.0	3889.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3889.5	0.0	3889.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7779.0	0.0	7779.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	1.0
10°-20°	236.2	3.0
20°-30°	402.1	5.2
30°-40°	637.8	8.2
40°-50°	1037.8	13.3
50°-60°	1711.2	22.0
60°-70°	2512.1	32.3
70°-80°	1110.9	14.3
80°-90°	50.3	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°	7779.0	100.0
0°-180°	7779.0	100.0

Coefficient of Utilization



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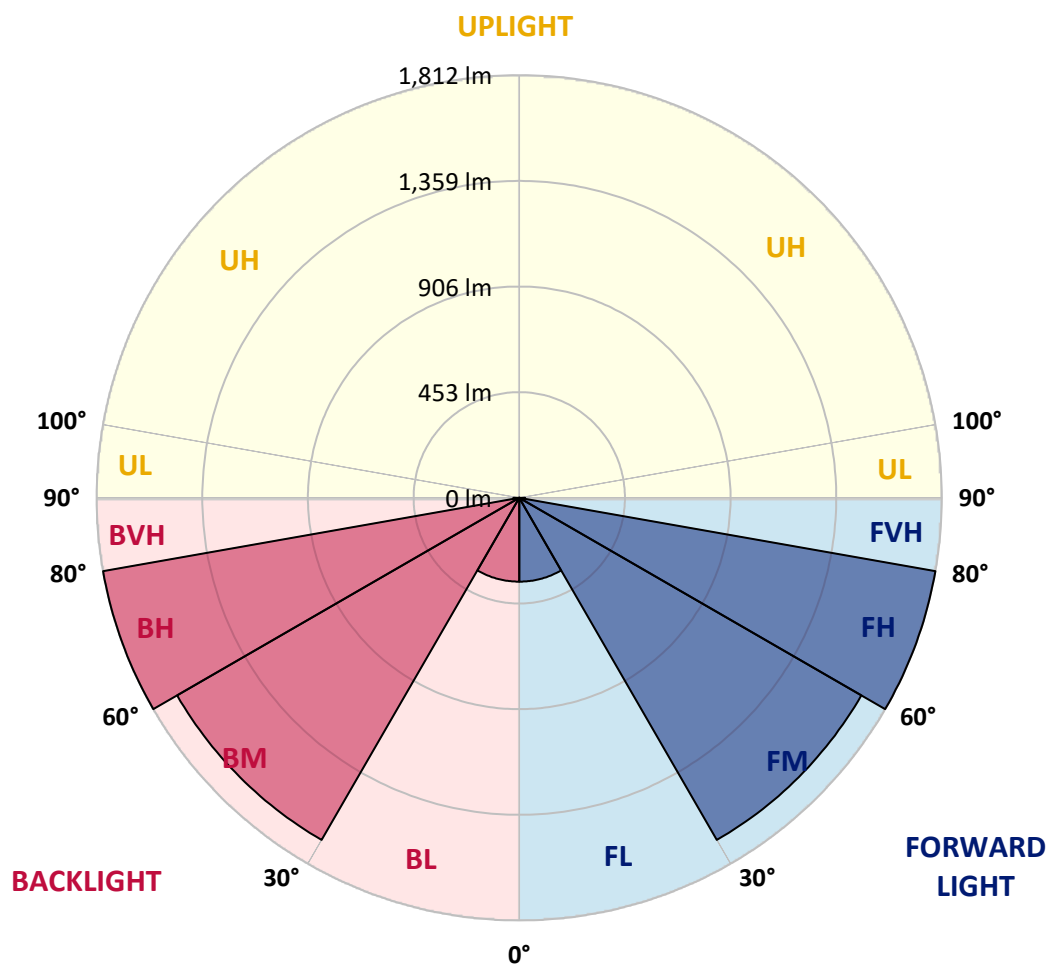
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.4	4.6			
FM	(30°-60°)	1693.4	21.8			
FH	(60°-80°)	1811.5	23.3			G2/5000
FVH	(80°-90°)	25.2	0.3			G1/100
BL	(0°-30°)	359.4	4.6	B1/500		
BM	(30°-60°)	1693.4	21.8	B2/2500		
BH	(60°-80°)	1811.5	23.3	B3/2500		G2/5000
BVH	(80°-90°)	25.2	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	849.6	849.6	849.6	849.6	849.6	849.6	849.6	849.6	849.6	849.6	849.6
2.5°	848.3	847.5	849.3	849.1	847.5	847.8	847.8	848.6	848.6	848.0	848.0
5°	845.2	844.7	846.8	846.8	845.2	845.7	846.2	847.0	846.8	846.2	846.0
7.5°	841.3	841.1	843.2	843.2	842.1	842.6	842.1	842.4	841.9	841.3	840.6
10°	834.9	835.4	837.2	837.7	837.7	838.0	837.5	836.2	835.4	834.7	833.9
12.5°	829.0	828.7	831.3	832.6	834.7	837.0	835.4	831.8	830.3	828.7	828.2
15°	825.1	825.4	828.0	830.3	833.9	838.8	837.0	831.3	828.2	826.4	825.9
17.5°	824.4	824.9	828.2	832.3	836.2	841.6	840.6	834.9	829.8	826.4	825.6
20°	826.2	826.4	831.6	837.5	844.2	849.3	847.0	840.8	833.9	828.7	827.4
22.5°	829.5	830.5	837.0	846.2	856.5	863.5	860.7	850.1	839.3	832.9	831.1
25°	840.1	840.3	849.1	861.7	874.0	882.0	878.7	863.7	849.8	842.6	840.3
27.5°	861.9	862.7	871.5	886.1	896.7	901.9	899.8	887.7	875.8	868.1	868.9
30°	893.6	894.6	904.4	920.6	927.1	928.4	927.9	922.2	911.4	901.1	901.9
32.5°	932.2	932.7	945.9	960.5	965.7	966.7	965.7	960.5	947.7	933.8	934.5
35°	981.9	983.5	996.1	1010.2	1014.4	1016.4	1014.6	1007.9	994.5	980.9	980.4
37.5°	1043.2	1043.4	1056.6	1071.3	1076.4	1076.9	1074.9	1070.5	1053.7	1041.4	1040.6
40°	1114.2	1115.3	1130.7	1146.4	1148.5	1146.2	1149.0	1146.4	1129.2	1115.0	1117.3
42.5°	1200.8	1203.1	1221.6	1237.1	1231.1	1229.8	1231.6	1232.4	1218.5	1201.3	1199.7
45°	1301.4	1303.5	1326.6	1339.0	1335.1	1326.6	1330.2	1336.4	1317.1	1295.8	1297.8
47.5°	1416.2	1421.4	1446.1	1457.7	1448.2	1436.6	1443.5	1452.8	1430.1	1403.6	1402.3
50°	1543.9	1550.4	1583.3	1599.5	1590.0	1568.6	1580.2	1586.4	1553.7	1519.5	1516.6
52.5°	1680.1	1686.6	1728.0	1761.5	1755.3	1722.1	1738.3	1731.9	1694.3	1648.2	1644.6
55°	1834.3	1836.9	1881.7	1935.8	1942.0	1917.5	1916.5	1905.9	1850.3	1797.0	1794.4
57.5°	1992.9	1994.7	2052.7	2116.5	2145.6	2145.6	2116.8	2094.4	2020.5	1958.7	1952.2
60°	2164.1	2170.6	2234.7	2321.4	2389.4	2409.5	2358.5	2297.5	2217.2	2141.7	2134.3
62.5°	2316.5	2324.0	2422.1	2551.3	2660.5	2733.6	2609.0	2509.6	2363.4	2242.4	2228.2
65°	2335.9	2355.9	2498.8	2732.8	2977.2	3123.1	2884.2	2639.4	2372.9	2204.8	2190.4
67.5°	2133.2	2167.2	2360.3	2724.6	3229.5	3542.8	3060.1	2565.2	2202.0	2016.1	2000.1
70°	1639.2	1688.6	1911.3	2383.2	3186.0	3677.9	2949.9	2245.7	1835.9	1635.8	1613.4
72.5°	899.3	919.6	1119.9	1632.0	2554.2	3125.5	2460.5	1660.6	1217.5	990.7	953.1
75°	285.3	292.5	394.4	667.8	1444.8	2070.2	1563.0	815.1	448.7	330.8	327.0
77.5°	126.7	127.4	142.6	194.9	497.7	1048.9	597.8	221.9	152.9	133.6	138.0
80°	80.1	80.1	88.3	96.5	135.4	304.6	161.7	105.6	90.1	83.7	85.5
82.5°	38.4	42.5	57.4	61.8	74.4	102.5	82.9	69.0	60.2	44.8	41.7
85°	25.2	21.1	36.3	40.9	43.3	49.2	48.1	45.6	39.4	22.4	25.0
87.5°	11.3	10.8	18.8	17.2	16.2	12.4	18.5	22.9	22.1	11.1	11.1
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)