

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: P316815

Luminaire Tested: **GAN-SA1D-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316815  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1D-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8380 lumens  
Efficiency: N/A  
Efficacy: 125.1 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

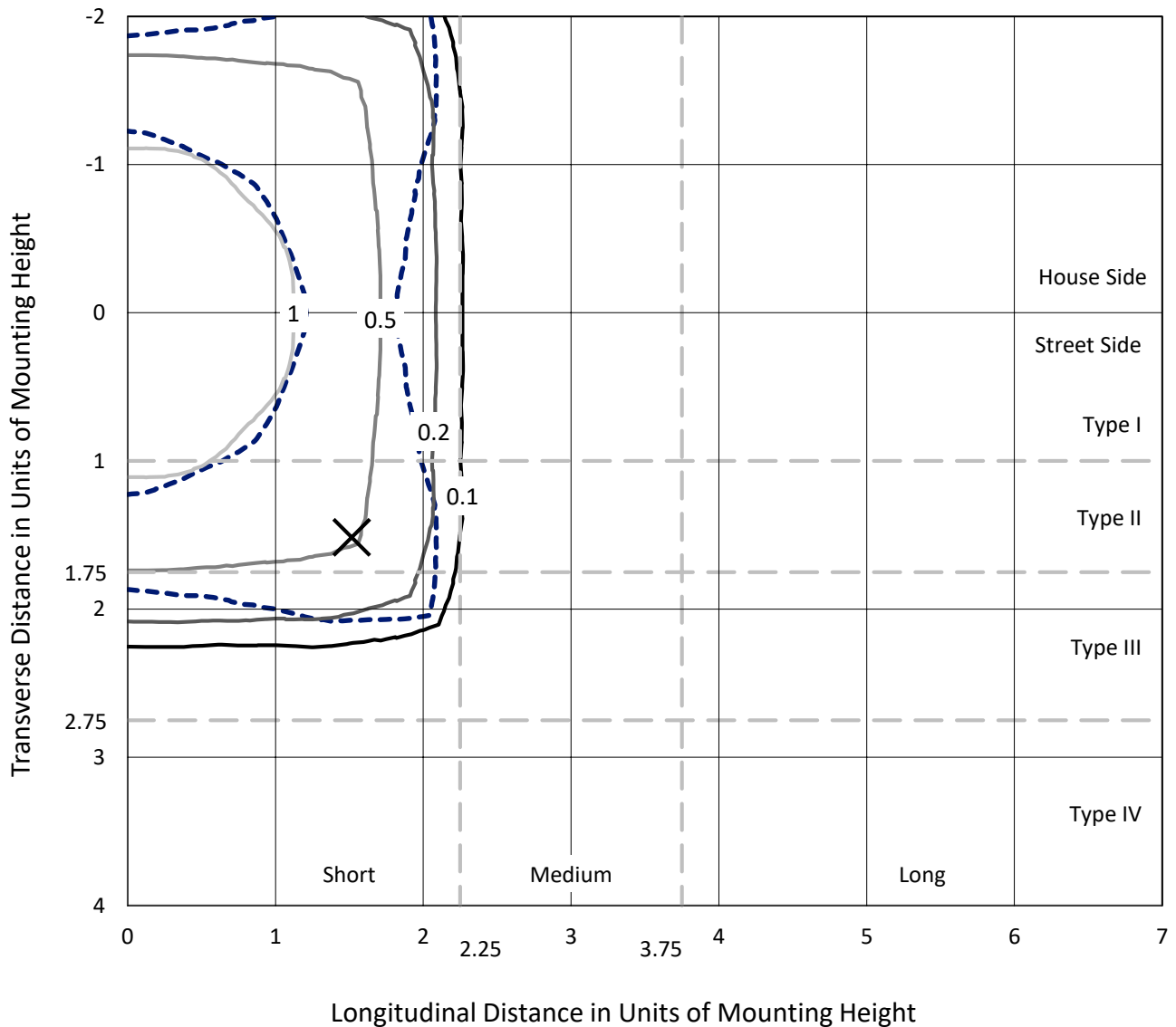
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

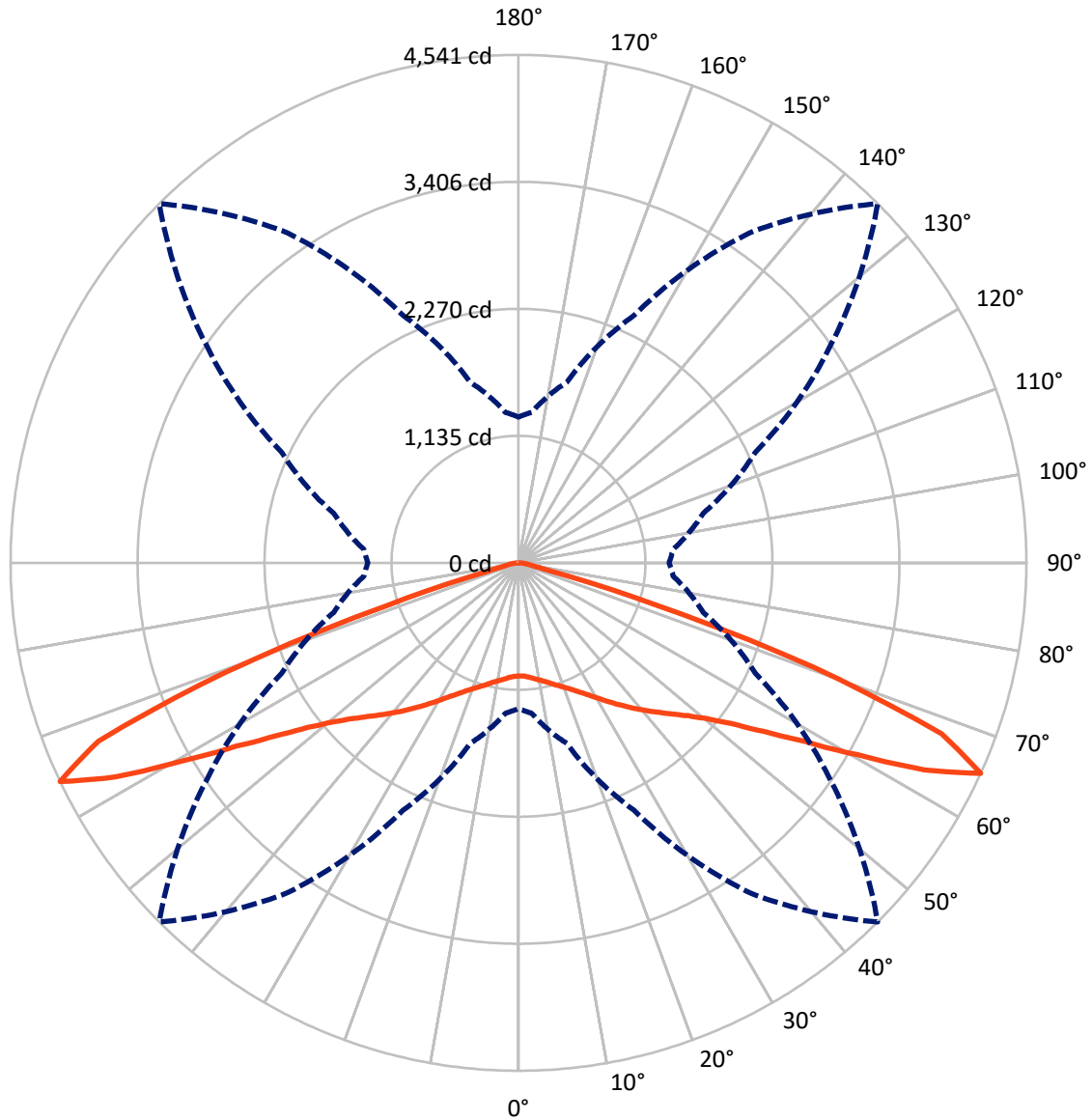
✕ Max cd  
 - - - 1/2 Max cd



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 65-Deg Vertical

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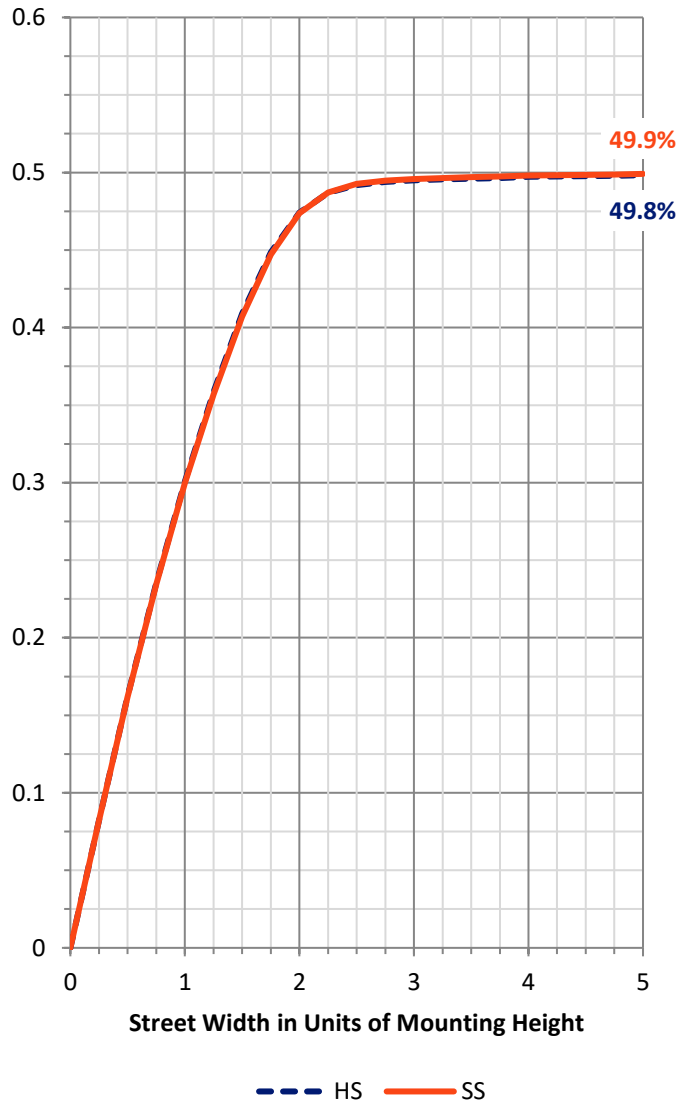
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4190.0	0.0	4190.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4190.0	0.0	4190.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8380.0	0.0	8380.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.3	1.2
10°-20°	319.1	3.8
20°-30°	598.8	7.1
30°-40°	990.3	11.8
40°-50°	1533.8	18.3
50°-60°	2352.4	28.1
60°-70°	2195.0	26.2
70°-80°	255.5	3.0
80°-90°	35.9	0.4
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°	8380.0	100.0
0°-180°	8380.0	100.0

**Coefficient of Utilization**



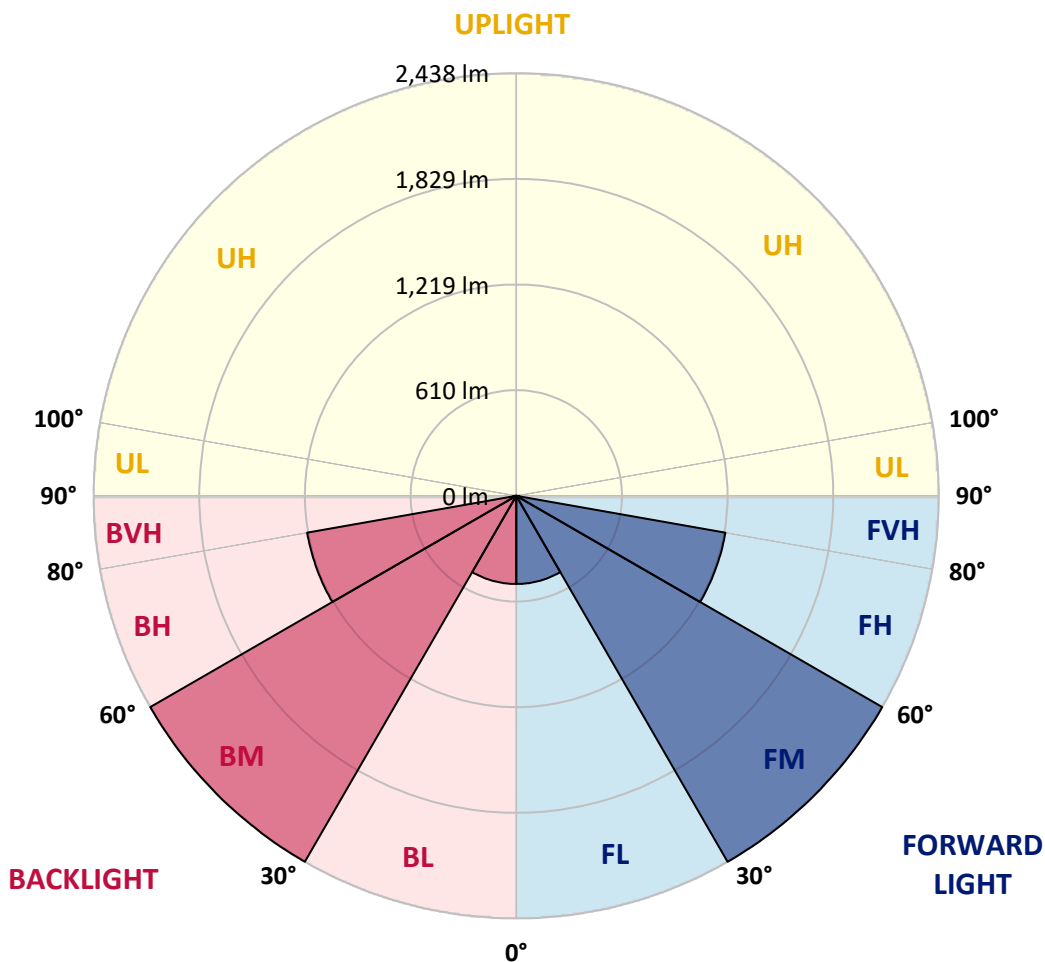
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.6	6.1			
FM (30°-60°)	2438.2	29.1			
FH (60°-80°)	1225.3	14.6			G1/1800
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	508.6	6.1	B2/1000		
BM (30°-60°)	2438.2	29.1	B2/2500		
BH (60°-80°)	1225.3	14.6	B3/2500		G1/1800
BVH (80°-90°)	18.0	0.2			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°	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0
2.5°	1015.3	1014.8	1015.3	1015.6	1013.9	1014.8	1014.5	1015.9	1016.4	1015.9	1015.9
5°	1027.0	1026.2	1027.3	1028.7	1026.5	1027.0	1026.2	1027.8	1028.4	1027.3	1028.1
7.5°	1043.1	1043.4	1044.5	1047.0	1045.6	1046.8	1045.1	1045.4	1045.1	1043.4	1043.7
10°	1060.7	1060.9	1062.9	1066.2	1066.8	1066.8	1065.7	1064.8	1063.7	1062.6	1062.9
12.5°	1081.8	1083.2	1084.6	1088.8	1088.8	1091.0	1090.4	1088.2	1086.3	1084.6	1084.6
15°	1110.5	1110.2	1111.9	1116.0	1118.0	1121.6	1121.6	1118.5	1116.0	1114.4	1113.8
17.5°	1140.5	1141.3	1142.5	1147.5	1150.5	1154.7	1155.2	1152.7	1151.1	1148.9	1147.5
20°	1175.6	1176.9	1181.4	1183.3	1186.1	1190.0	1191.4	1190.9	1189.2	1188.1	1188.4
22.5°	1216.4	1220.1	1222.8	1225.6	1229.0	1231.7	1233.1	1235.1	1233.4	1232.6	1232.0
25°	1266.0	1268.5	1274.0	1279.0	1281.3	1282.1	1283.8	1286.5	1286.3	1284.3	1284.3
27.5°	1322.2	1326.9	1333.8	1341.1	1341.1	1338.3	1343.9	1348.6	1346.9	1344.4	1341.1
30°	1390.3	1394.8	1402.8	1412.8	1407.8	1405.9	1413.4	1422.0	1419.5	1415.3	1414.8
32.5°	1463.7	1467.9	1478.5	1489.3	1482.9	1480.2	1488.2	1500.7	1496.3	1487.9	1482.9
35°	1543.3	1547.5	1562.5	1575.6	1564.7	1560.0	1566.7	1580.3	1572.5	1556.9	1553.0
37.5°	1629.8	1632.0	1651.5	1664.9	1657.4	1644.8	1653.2	1663.2	1656.5	1637.6	1630.1
40°	1719.7	1727.7	1750.3	1765.8	1752.8	1733.0	1746.9	1760.8	1750.8	1726.6	1713.8
42.5°	1824.5	1830.7	1860.7	1874.6	1853.5	1825.6	1844.6	1863.5	1853.5	1830.1	1819.0
45°	1933.6	1943.0	1978.9	1992.8	1962.2	1926.9	1950.0	1983.1	1982.3	1948.6	1936.9
47.5°	2052.4	2061.8	2104.7	2123.0	2089.9	2042.6	2075.2	2121.9	2118.6	2081.6	2072.1
50°	2189.5	2199.5	2252.9	2276.0	2245.1	2190.1	2239.0	2280.2	2274.1	2228.4	2229.3
52.5°	2361.7	2361.1	2427.6	2467.7	2436.0	2387.3	2432.3	2472.4	2447.1	2383.9	2382.0
55°	2512.5	2521.6	2604.0	2679.9	2678.0	2659.3	2677.4	2679.1	2606.8	2522.7	2512.5
57.5°	2611.5	2629.0	2745.0	2882.4	2985.3	3010.1	2975.1	2868.8	2699.4	2565.0	2548.6
60°	2550.6	2577.3	2759.5	3039.6	3342.8	3488.3	3290.5	2960.9	2627.3	2440.1	2417.9
62.5°	2139.4	2184.5	2451.3	2963.6	3650.5	4075.8	3519.2	2813.2	2340.8	2083.0	2044.8
65°	1303.0	1350.5	1672.1	2439.3	3600.7	4540.9	3414.8	2335.0	1708.5	1387.8	1346.6
67.5°	434.2	448.1	637.6	1348.3	2829.8	4080.0	2834.6	1397.8	743.6	492.9	478.5
70°	170.0	171.4	202.2	390.8	1336.3	2802.3	1474.6	397.8	211.4	167.2	170.8
72.5°	124.9	125.5	134.1	163.3	348.3	1234.5	360.8	164.1	130.5	117.1	117.1
75°	100.4	100.4	106.5	119.1	156.1	283.2	158.3	117.7	102.1	93.5	92.4
77.5°	79.3	80.9	85.7	93.7	105.7	136.3	109.6	93.2	82.3	74.3	72.6
80°	59.0	60.6	68.4	72.3	75.9	94.6	80.9	72.9	65.1	55.6	54.0
82.5°	38.7	40.3	50.1	52.3	51.5	61.8	54.5	53.7	47.8	35.9	34.2
85°	25.3	25.9	33.4	34.8	32.0	28.1	34.8	36.7	33.4	23.4	22.5
87.5°	12.0	12.0	17.0	15.9	14.5	11.7	15.9	18.6	18.9	11.4	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)