

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: P452280

Luminaire Tested: **GLAN-SA3B-727-U-5WQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452280  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3B-727-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14868 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

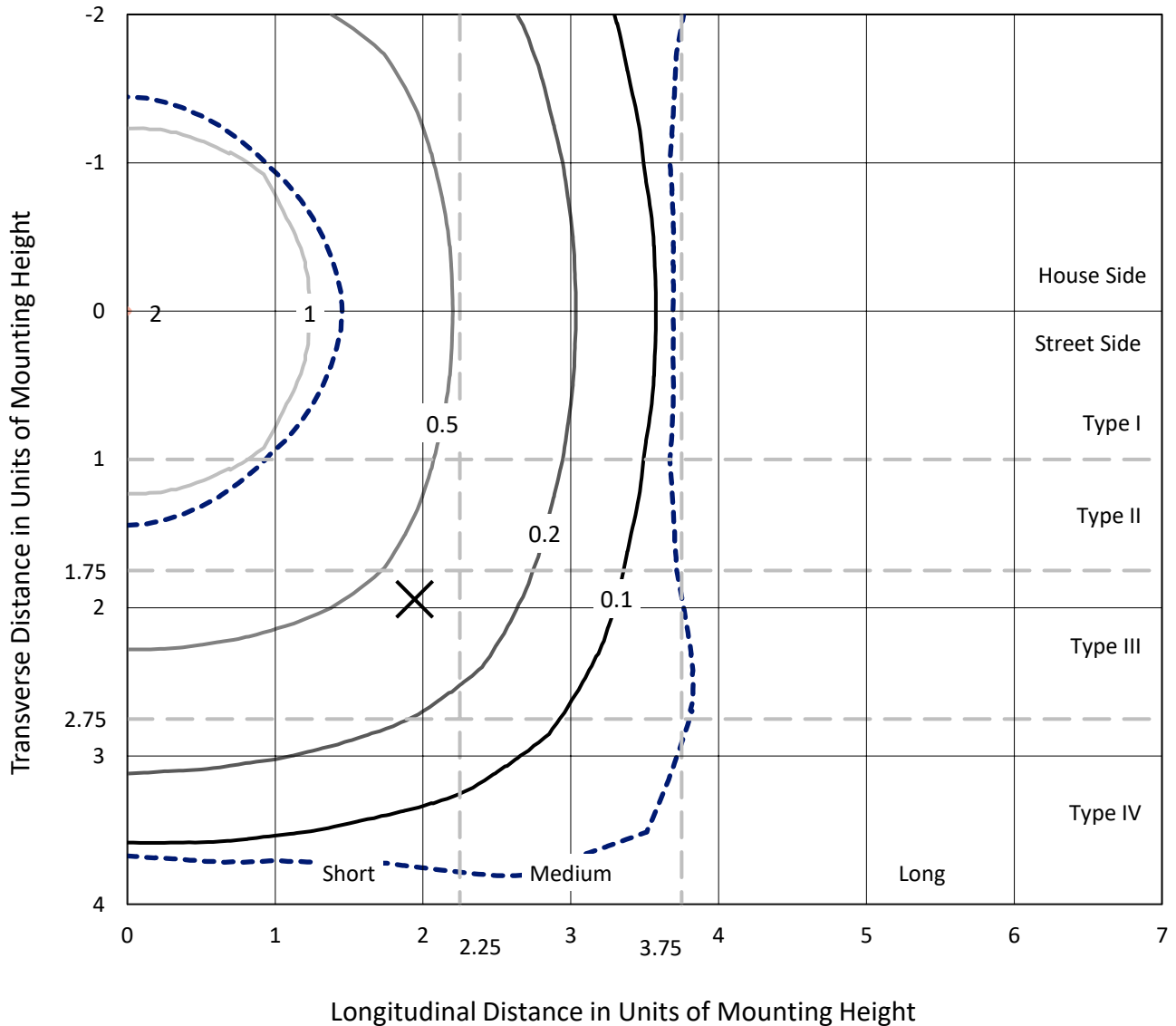
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

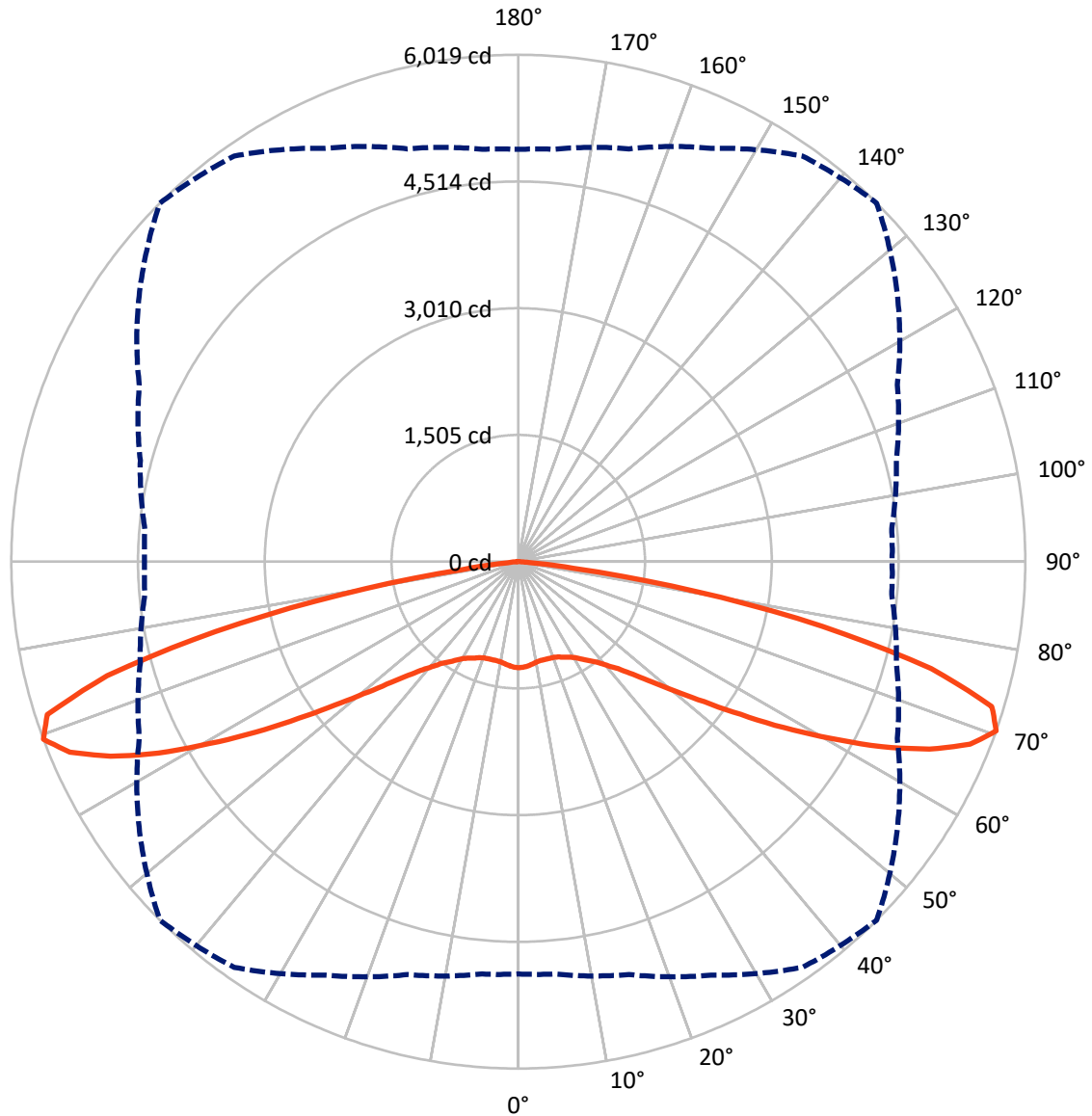
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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
<b>House Side</b>	Lumens	7434.0	0.0	7434.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7434.0	0.0	7434.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14868.0	0.0	14868.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	0.8
10°-20°	344.6	2.3
20°-30°	587.2	3.9
30°-40°	910.1	6.1
40°-50°	1531.8	10.3
50°-60°	2787.1	18.7
60°-70°	4718.4	31.7
70°-80°	3652.3	24.6
80°-90°	218.8	1.5
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°	14868.0	100.0
0°-180°	14868.0	100.0



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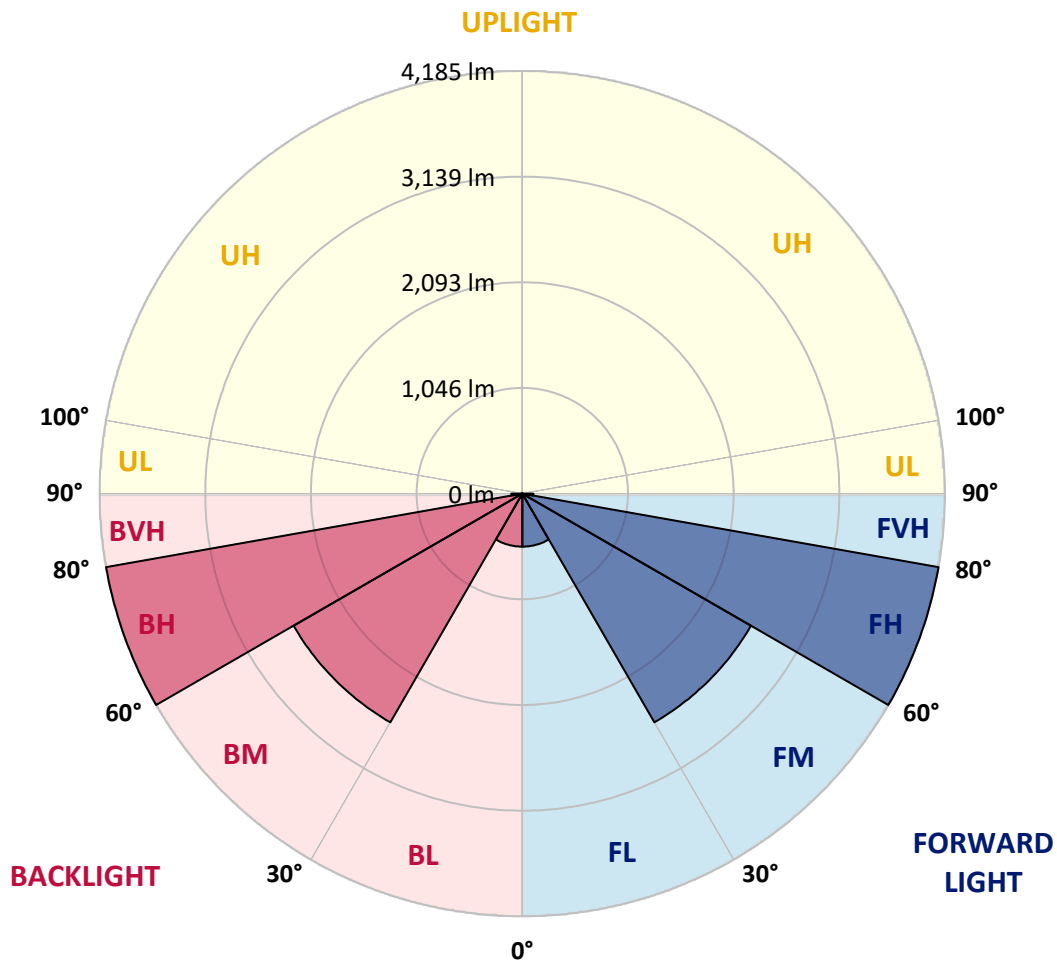
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.8	3.5			
FM (30°-60°)	2614.5	17.6			
FH (60°-80°)	4185.3	28.1			G2/5000
FVH (80°-90°)	109.4	0.7			G2/225
BL (0°-30°)	524.8	3.5	B2/1000		
BM (30°-60°)	2614.5	17.6	B3/5000		
BH (60°-80°)	4185.3	28.1	B4/5000		G2/5000
BVH (80°-90°)	109.4	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8
2.5°	1255.6	1256.4	1256.4	1254.8	1254.0	1254.0	1253.3	1253.3	1255.6	1256.4	1257.2
5°	1244.6	1244.6	1244.6	1243.8	1242.3	1242.3	1240.7	1240.7	1241.5	1243.8	1242.3
7.5°	1229.7	1231.3	1231.3	1228.1	1225.8	1225.8	1225.0	1225.8	1226.6	1228.9	1228.1
10°	1225.0	1225.8	1221.9	1216.4	1212.4	1210.1	1210.9	1212.4	1216.4	1217.9	1218.7
12.5°	1228.1	1228.1	1221.1	1213.2	1206.1	1203.0	1202.2	1207.7	1214.8	1219.5	1221.1
15°	1232.1	1230.5	1221.9	1211.6	1204.6	1203.8	1203.0	1206.9	1217.1	1226.6	1227.3
17.5°	1234.4	1233.6	1222.6	1210.1	1206.1	1206.1	1205.4	1208.5	1219.5	1231.3	1232.1
20°	1242.3	1239.9	1227.3	1214.0	1210.9	1212.4	1210.1	1214.0	1225.8	1239.9	1243.1
22.5°	1258.0	1255.6	1243.1	1229.7	1228.1	1228.1	1227.3	1231.3	1243.8	1258.8	1261.1
25°	1276.8	1274.5	1262.7	1253.3	1254.8	1258.0	1256.4	1257.2	1267.4	1280.0	1283.9
27.5°	1301.9	1298.0	1287.8	1280.0	1284.7	1284.7	1284.7	1283.9	1290.2	1301.9	1305.9
30°	1332.6	1331.0	1320.0	1319.2	1323.1	1319.2	1319.2	1320.0	1320.8	1331.8	1335.7
32.5°	1372.6	1369.5	1364.0	1362.4	1373.4	1376.5	1365.6	1355.3	1360.8	1371.8	1374.2
35°	1438.6	1433.9	1426.0	1417.4	1426.0	1440.9	1417.4	1409.5	1423.7	1438.6	1440.2
37.5°	1528.1	1525.7	1513.2	1497.5	1496.7	1512.4	1488.1	1487.3	1514.0	1532.0	1534.4
40°	1640.4	1642.7	1627.0	1612.1	1604.3	1616.8	1598.0	1605.1	1631.0	1651.4	1649.8
42.5°	1798.2	1789.6	1765.2	1751.1	1742.5	1737.8	1733.1	1744.0	1773.1	1795.1	1812.4
45°	1982.8	1979.6	1949.0	1931.7	1912.9	1905.8	1904.2	1923.9	1959.2	1985.9	1988.3
47.5°	2191.6	2184.6	2164.9	2146.9	2139.8	2131.2	2123.3	2138.2	2173.6	2192.4	2197.9
50°	2406.8	2408.4	2408.4	2405.2	2412.3	2413.9	2392.7	2398.2	2417.8	2416.2	2414.6
52.5°	2652.6	2661.2	2702.1	2706.0	2739.7	2762.5	2724.0	2701.3	2694.2	2651.8	2654.9
55°	2941.6	2949.4	3010.7	3071.9	3163.0	3201.5	3120.6	3049.9	2999.7	2935.3	2938.4
57.5°	3302.0	3305.9	3364.0	3481.8	3626.3	3716.6	3574.5	3434.7	3332.6	3271.4	3247.0
60°	3689.9	3693.8	3778.6	3922.3	4146.9	4256.8	4081.0	3852.4	3723.7	3630.2	3636.5
62.5°	4155.6	4171.3	4247.4	4445.3	4717.8	4841.1	4607.9	4302.4	4128.1	4011.9	4016.6
65°	4654.2	4680.9	4764.1	4981.6	5232.9	5365.6	5079.8	4727.2	4510.5	4368.4	4383.3
67.5°	4977.7	5001.3	5121.4	5361.7	5675.0	5784.9	5415.9	5005.2	4734.3	4564.7	4533.3
70°	4895.3	4914.9	5075.1	5415.9	5880.0	6019.0	5496.0	4964.4	4645.5	4450.0	4437.5
72.5°	4321.2	4280.4	4514.4	5003.6	5646.0	5879.2	5243.9	4534.0	4132.8	3931.8	3908.2
75°	2863.8	2952.5	3298.1	3874.4	4776.7	5065.7	4475.9	3640.4	3135.5	2968.3	2942.3
77.5°	957.2	1025.5	1332.6	2196.3	3256.4	3690.7	3261.1	2380.9	1684.4	1356.9	1363.2
80°	253.6	250.5	324.3	603.9	1407.2	2137.5	1638.0	806.5	441.3	319.6	303.1
82.5°	91.1	102.1	131.1	167.3	373.0	664.3	468.8	226.2	165.7	122.5	118.6
85°	40.0	39.3	56.5	66.7	93.4	124.1	109.9	95.8	84.0	55.8	51.8
87.5°	8.6	8.6	13.3	10.2	16.5	16.5	20.4	24.3	25.1	16.5	13.3
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)