

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: P527917

Luminaire Tested: **GLAN-SA3A-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527917  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

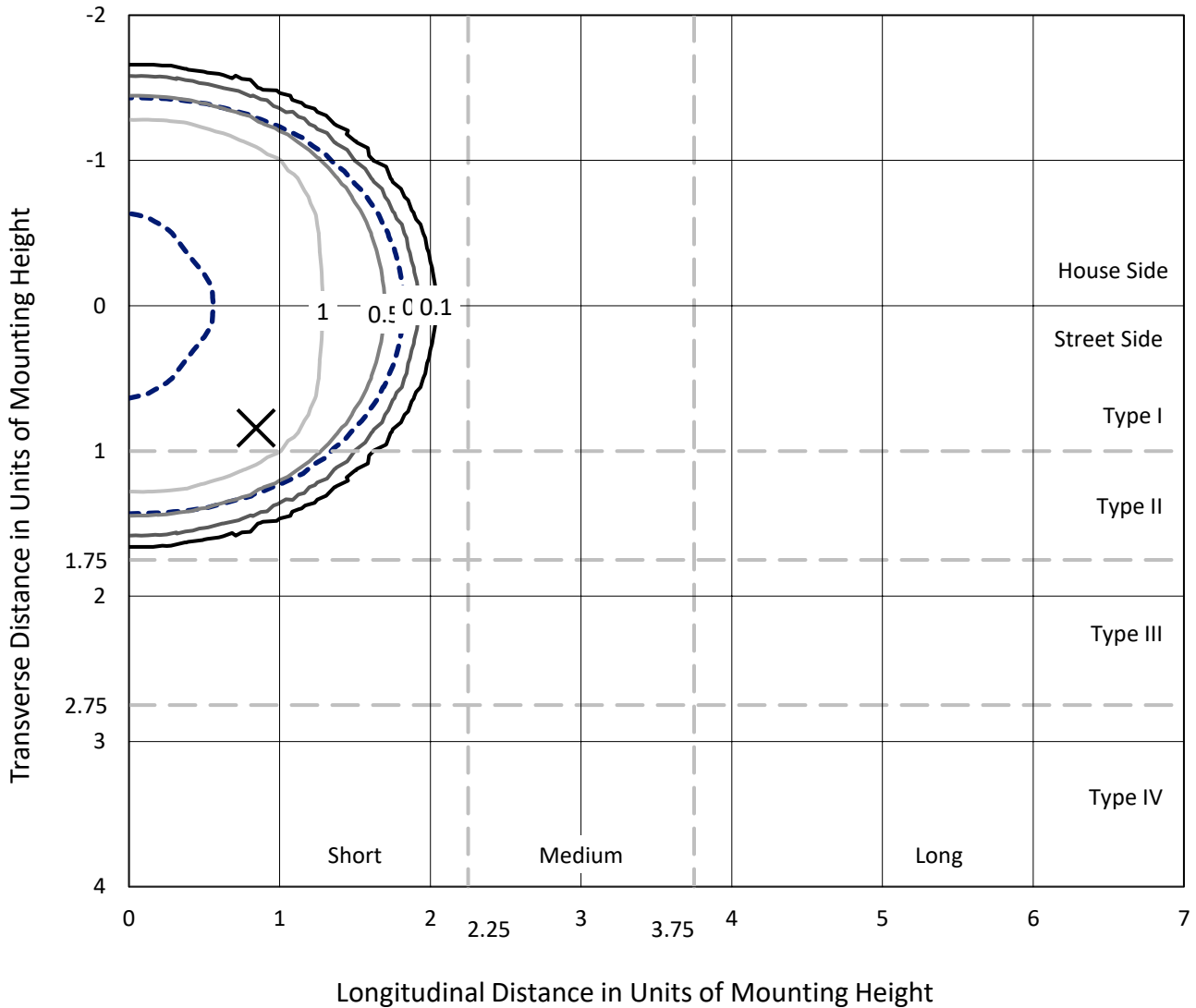
Lumens per Lamp: N/A  
Luminaire Lumens: 7378 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



REPORT NUMBER: P527917  
 CATALOG NUMBER: GLAN-SA3A-727-U-RW-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

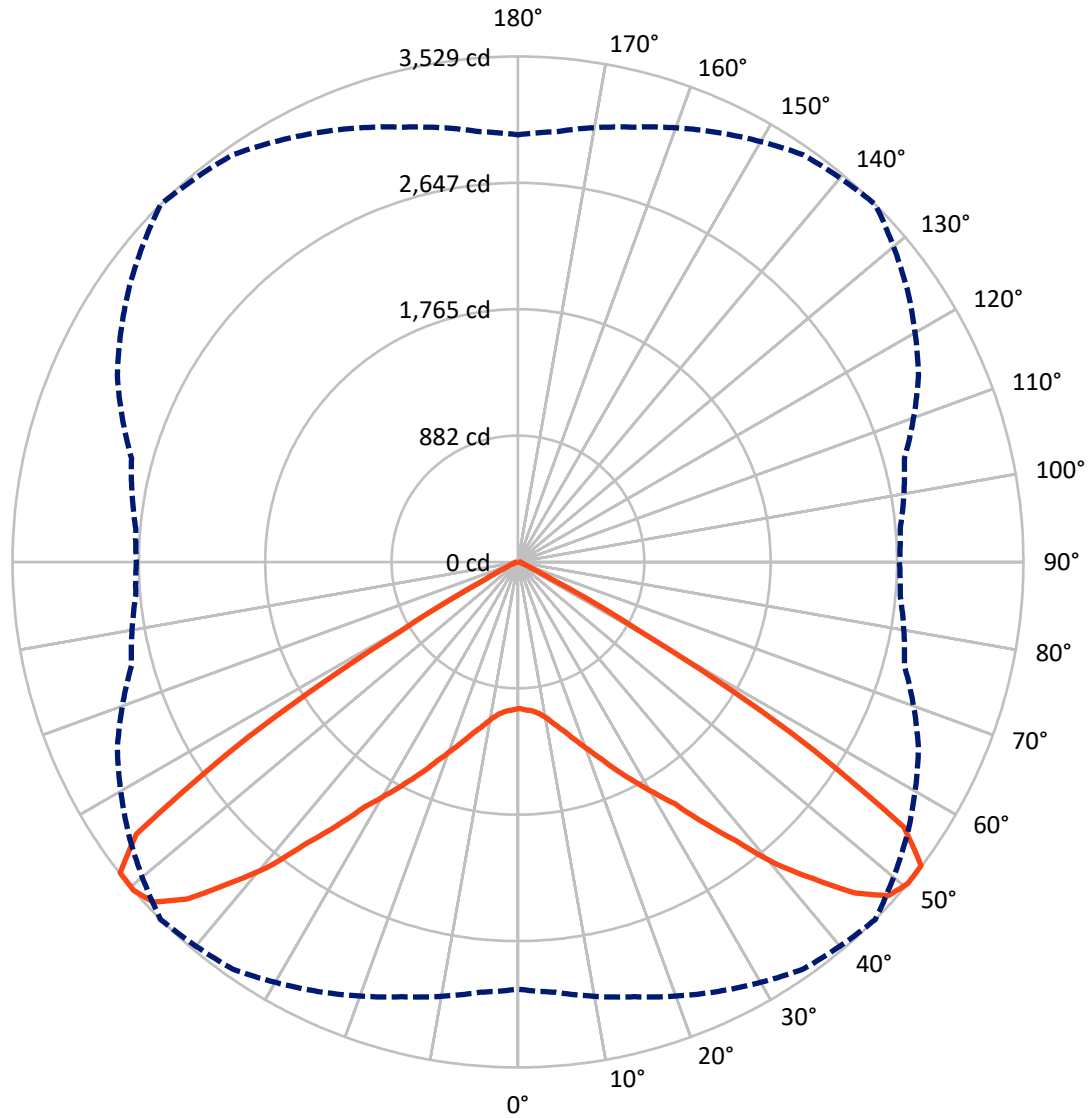
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

REPORT NUMBER: P527917  
CATALOG NUMBER: GLAN-SA3A-727-U-RW-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P527917  
 CATALOG NUMBER: GLAN-SA3A-727-U-RW-GRSBK

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3689.0   | 0.0    | 3689.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3689.0   | 0.0    | 3689.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7378.0   | 0.0    | 7378.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.8  | 1.4       |
| 10°-20°   | 350.7  | 4.8       |
| 20°-30°   | 716.3  | 9.7       |
| 30°-40°   | 1366.0 | 18.5      |
| 40°-50°   | 2302.0 | 31.2      |
| 50°-60°   | 2195.3 | 29.8      |
| 60°-70°   | 306.5  | 4.2       |
| 70°-80°   | 29.3   | 0.4       |
| 80°-90°   | 10.1   | 0.1       |
| 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°    | 7378.0 | 100.0     |
| 0°-180°   | 7378.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P527917

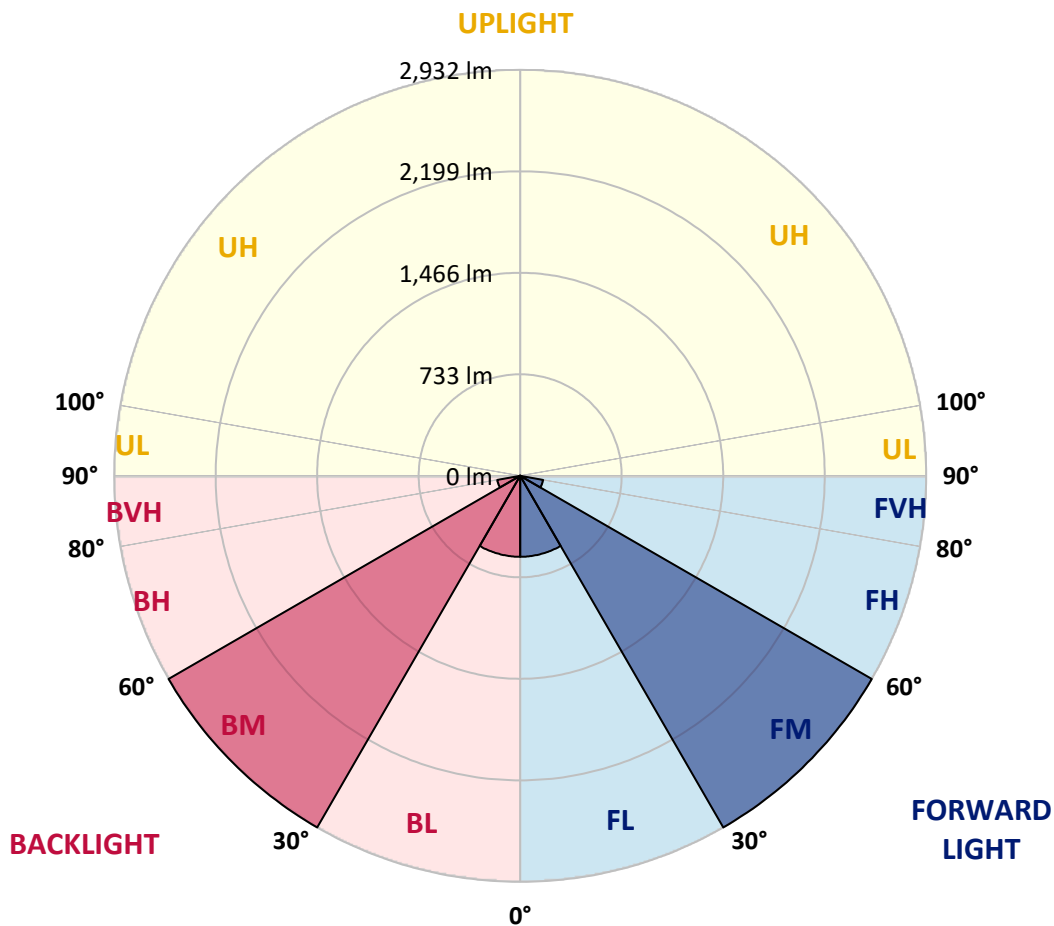
CATALOG NUMBER: GLAN-SA3A-727-U-RW-GRSBK

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 584.4  | 7.9       |                         |      |        |
| FM (30°-60°)   | 2931.7 | 39.7      |                         |      |        |
| FH (60°-80°)   | 167.9  | 2.3       |                         |      | G0/660 |
| FVH (80°-90°)  | 5.1    | 0.1       |                         |      | G0/10  |
| BL (0°-30°)    | 584.4  | 7.9       | B2/1000                 |      |        |
| BM (30°-60°)   | 2931.7 | 39.7      | B3/5000                 |      |        |
| BH (60°-80°)   | 167.9  | 2.3       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 5.1    | 0.1       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B3-U0-G0**

Type V Short





REPORT NUMBER: P527917

CATALOG NUMBER: GLAN-SA3A-727-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1022.9 | 1022.9 | 1022.9 | 1022.9 | 1022.9 | 1022.9 | 1022.9 | 1022.9 | 1022.9 | 1022.9 | 1022.9 |
| 2.5°  | 1019.2 | 1019.2 | 1017.9 | 1027.8 | 1022.9 | 1034.1 | 1032.8 | 1036.5 | 1040.3 | 1039.0 | 1048.9 |
| 5°    | 1010.5 | 1009.2 | 1009.2 | 1020.4 | 1031.6 | 1044.0 | 1055.2 | 1062.6 | 1075.0 | 1075.0 | 1087.4 |
| 7.5°  | 1019.2 | 1012.9 | 1021.6 | 1026.6 | 1047.7 | 1068.8 | 1087.4 | 1102.3 | 1130.9 | 1140.8 | 1137.1 |
| 10°   | 1021.6 | 1029.1 | 1035.3 | 1050.2 | 1076.3 | 1108.5 | 1124.7 | 1161.9 | 1194.2 | 1216.5 | 1221.5 |
| 12.5° | 1037.8 | 1048.9 | 1066.3 | 1102.3 | 1125.9 | 1168.1 | 1190.5 | 1226.5 | 1271.2 | 1296.0 | 1313.4 |
| 15°   | 1068.8 | 1072.5 | 1094.9 | 1140.8 | 1191.7 | 1230.2 | 1264.9 | 1291.0 | 1334.5 | 1363.0 | 1364.3 |
| 17.5° | 1108.5 | 1124.7 | 1155.7 | 1199.2 | 1252.5 | 1309.6 | 1336.9 | 1365.5 | 1381.6 | 1420.1 | 1428.8 |
| 20°   | 1188.0 | 1190.5 | 1220.3 | 1277.4 | 1344.4 | 1396.5 | 1416.4 | 1431.3 | 1425.1 | 1464.8 | 1472.2 |
| 22.5° | 1262.5 | 1264.9 | 1302.2 | 1379.1 | 1451.1 | 1495.8 | 1504.5 | 1495.8 | 1477.2 | 1505.8 | 1508.2 |
| 25°   | 1338.2 | 1360.5 | 1387.8 | 1464.8 | 1554.2 | 1613.8 | 1615.0 | 1591.4 | 1552.9 | 1557.9 | 1570.3 |
| 27.5° | 1456.1 | 1472.2 | 1500.8 | 1571.6 | 1669.6 | 1736.7 | 1725.5 | 1696.9 | 1647.3 | 1651.0 | 1647.3 |
| 30°   | 1593.9 | 1608.8 | 1632.4 | 1723.0 | 1795.0 | 1868.2 | 1884.4 | 1857.1 | 1782.6 | 1766.5 | 1785.1 |
| 32.5° | 1760.2 | 1781.3 | 1824.8 | 1908.0 | 1968.8 | 2013.5 | 2024.7 | 2014.7 | 1945.2 | 1939.0 | 1951.4 |
| 35°   | 1962.6 | 1991.1 | 2030.9 | 2104.1 | 2153.8 | 2234.4 | 2234.4 | 2200.9 | 2137.6 | 2145.1 | 2143.8 |
| 37.5° | 2176.1 | 2218.3 | 2280.4 | 2354.9 | 2421.9 | 2465.3 | 2451.7 | 2423.1 | 2359.8 | 2343.7 | 2359.8 |
| 40°   | 2444.2 | 2465.3 | 2543.5 | 2640.4 | 2722.3 | 2772.0 | 2713.6 | 2651.5 | 2500.1 | 2523.7 | 2567.1 |
| 42.5° | 2688.8 | 2722.3 | 2781.9 | 2888.6 | 2981.7 | 3022.7 | 2953.2 | 2830.3 | 2647.8 | 2629.2 | 2661.5 |
| 45°   | 2897.3 | 2933.3 | 3011.5 | 3164.2 | 3262.3 | 3298.3 | 3144.4 | 2945.7 | 2737.2 | 2690.0 | 2703.7 |
| 47.5° | 3036.4 | 3055.0 | 3164.2 | 3309.5 | 3398.8 | 3480.8 | 3259.8 | 3025.2 | 2779.4 | 2690.0 | 2685.1 |
| 50°   | 2983.0 | 3015.3 | 3143.1 | 3308.2 | 3470.8 | 3529.2 | 3318.1 | 3086.0 | 2793.1 | 2678.8 | 2664.0 |
| 52.5° | 2649.1 | 2704.9 | 2847.7 | 3069.9 | 3315.7 | 3524.2 | 3398.8 | 3066.2 | 2788.1 | 2690.0 | 2712.4 |
| 55°   | 1843.4 | 1844.7 | 2018.4 | 2346.2 | 2780.6 | 3272.2 | 3280.9 | 3088.5 | 2820.4 | 2759.5 | 2760.8 |
| 57.5° | 741.1  | 778.3  | 911.2  | 1240.1 | 1641.1 | 2246.9 | 2671.4 | 2865.1 | 2824.1 | 2809.2 | 2847.7 |
| 60°   | 187.4  | 188.7  | 229.7  | 350.1  | 577.2  | 963.3  | 1399.0 | 1893.1 | 2179.8 | 2277.9 | 2291.5 |
| 62.5° | 95.6   | 96.8   | 106.8  | 124.1  | 157.7  | 258.2  | 459.3  | 728.7  | 1036.5 | 1192.9 | 1233.9 |
| 65°   | 78.2   | 78.2   | 84.4   | 93.1   | 94.3   | 99.3   | 119.2  | 170.1  | 247.0  | 280.5  | 284.3  |
| 67.5° | 59.6   | 59.6   | 64.6   | 69.5   | 72.0   | 70.8   | 68.3   | 70.8   | 85.7   | 81.9   | 79.4   |
| 70°   | 37.2   | 38.5   | 41.0   | 45.9   | 48.4   | 49.7   | 50.9   | 53.4   | 60.8   | 63.3   | 60.8   |
| 72.5° | 22.3   | 22.3   | 23.6   | 27.3   | 31.0   | 33.5   | 37.2   | 39.7   | 43.4   | 49.7   | 48.4   |
| 75°   | 9.9    | 9.9    | 12.4   | 16.1   | 19.9   | 23.6   | 27.3   | 31.0   | 33.5   | 37.2   | 38.5   |
| 77.5° | 2.5    | 3.7    | 6.2    | 11.2   | 14.9   | 19.9   | 24.8   | 28.6   | 31.0   | 31.0   | 29.8   |
| 80°   | 1.2    | 1.2    | 5.0    | 8.7    | 16.1   | 21.1   | 27.3   | 29.8   | 33.5   | 31.0   | 27.3   |
| 82.5° | 1.2    | 1.2    | 5.0    | 8.7    | 14.9   | 21.1   | 28.6   | 32.3   | 34.8   | 31.0   | 26.1   |
| 85°   | 0.0    | 1.2    | 3.7    | 7.4    | 12.4   | 14.9   | 12.4   | 8.7    | 5.0    | 5.0    | 3.7    |
| 87.5° | 0.0    | 0.0    | 1.2    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)