

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: P510993

Luminaire Tested: **USSL-P-C018-D-U-T3-7030-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-C018-D-U-T3-7030-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1300mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8645 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

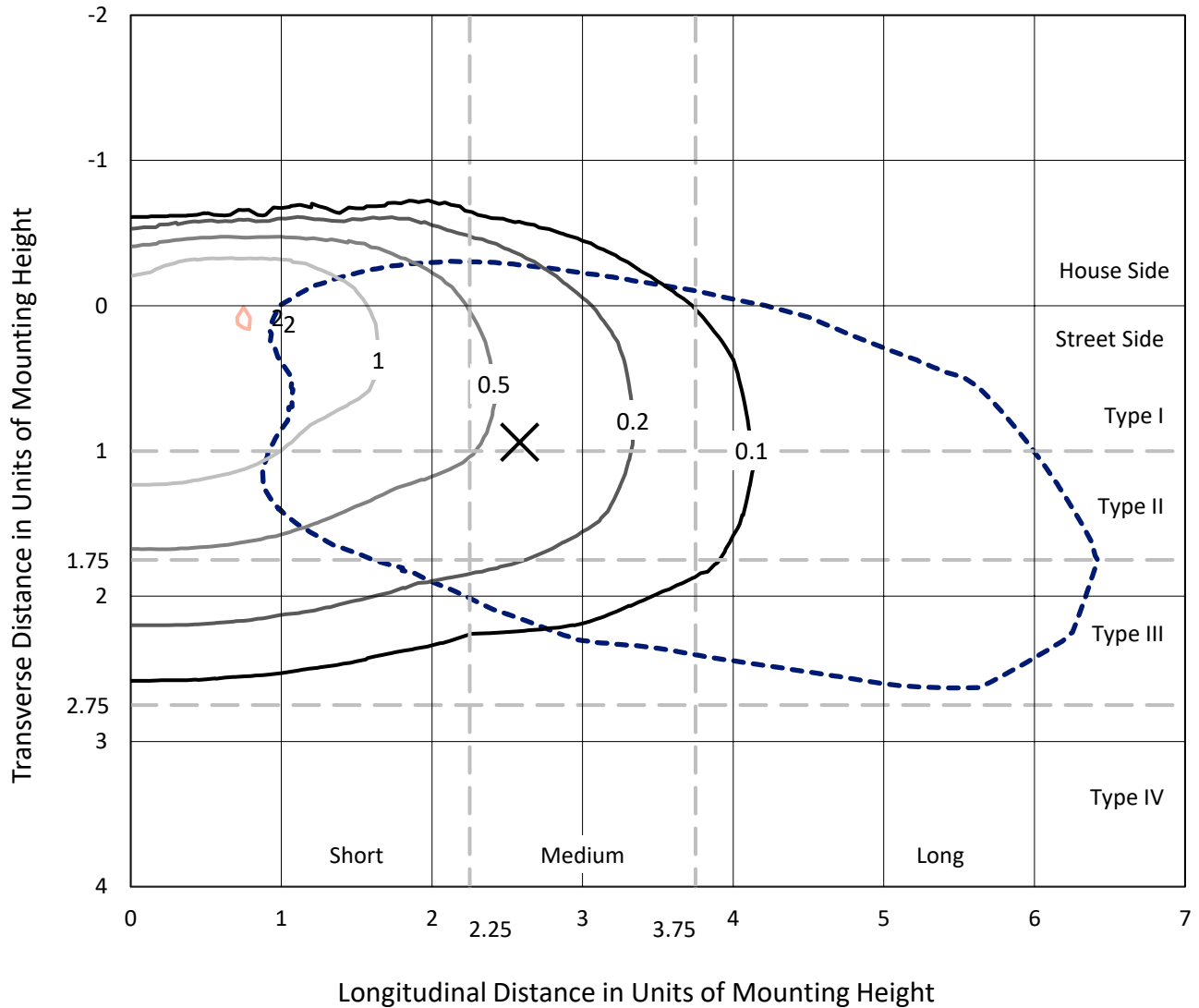
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P510993  
 CATALOG NUMBER: USSL-P-C018-D-U-T3-7030-HSS

### Iso-Footcandle Lines of Horizontal Illumination

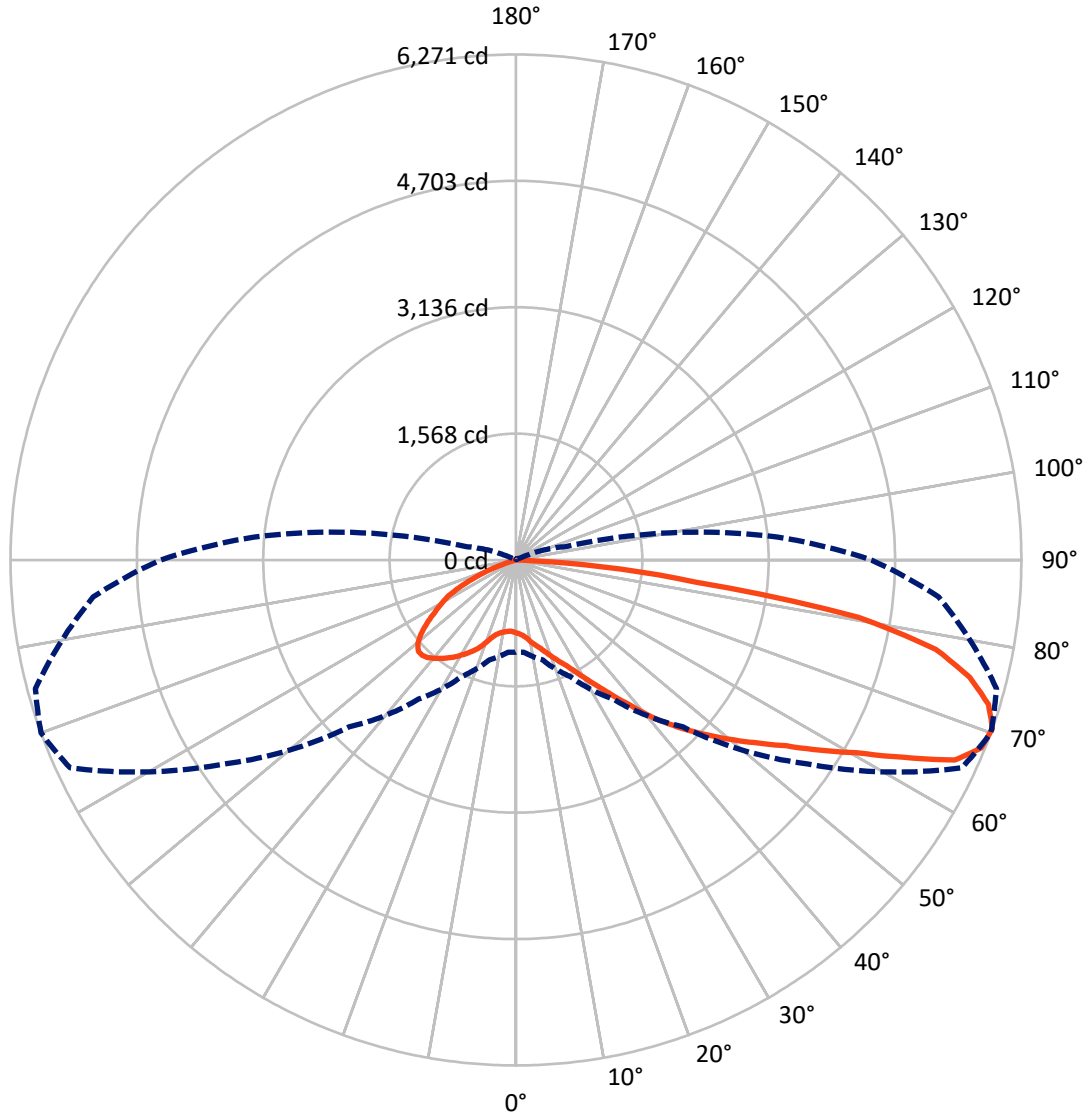
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P510993  
CATALOG NUMBER: USSL-P-C018-D-U-T3-7030-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P510993  
 CATALOG NUMBER: USSL-P-C018-D-U-T3-7030-HSS

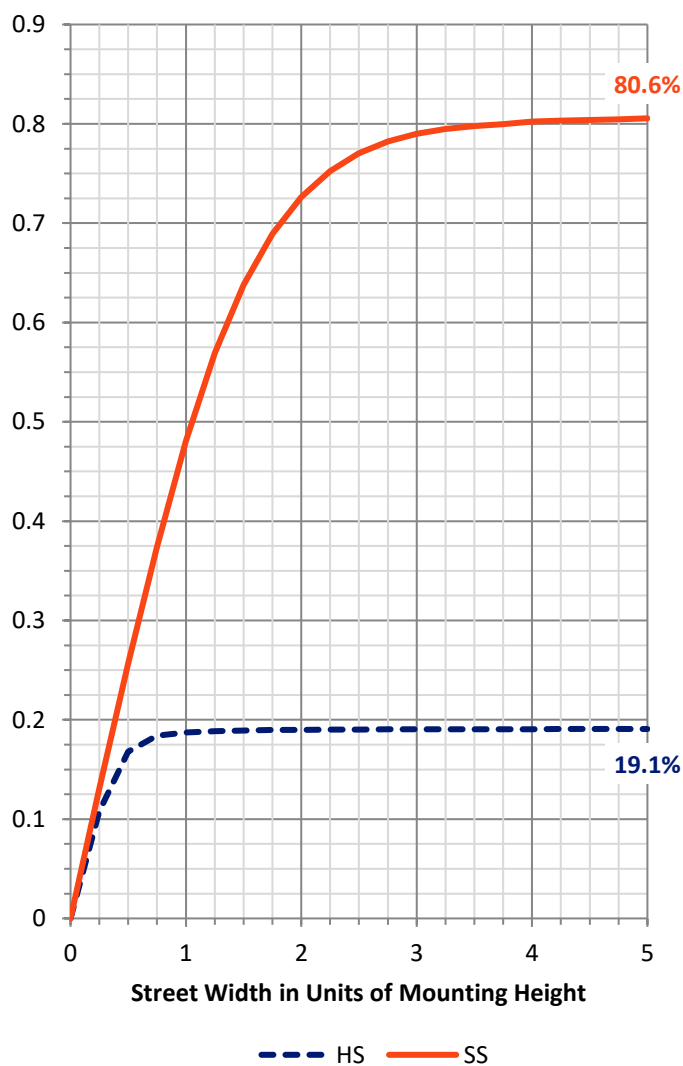
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1666.8   | 0.0    | 1666.8 |
|                    | % Fixture | 19.3     | 0.0    | 19.3   |
| <b>Street Side</b> | Lumens    | 6978.2   | 0.0    | 6978.2 |
|                    | % Fixture | 80.7     | 0.0    | 80.7   |
| <b>Total</b>       | Lumens    | 8645.0   | 0.0    | 8645.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.1   | 1.0       |
| 10°-20°   | 274.9  | 3.2       |
| 20°-30°   | 504.9  | 5.8       |
| 30°-40°   | 844.2  | 9.8       |
| 40°-50°   | 1321.2 | 15.3      |
| 50°-60°   | 1801.1 | 20.8      |
| 60°-70°   | 2097.1 | 24.3      |
| 70°-80°   | 1466.2 | 17.0      |
| 80°-90°   | 248.3  | 2.9       |
| 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°    | 8645.0 | 100.0     |
| 0°-180°   | 8645.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P510993

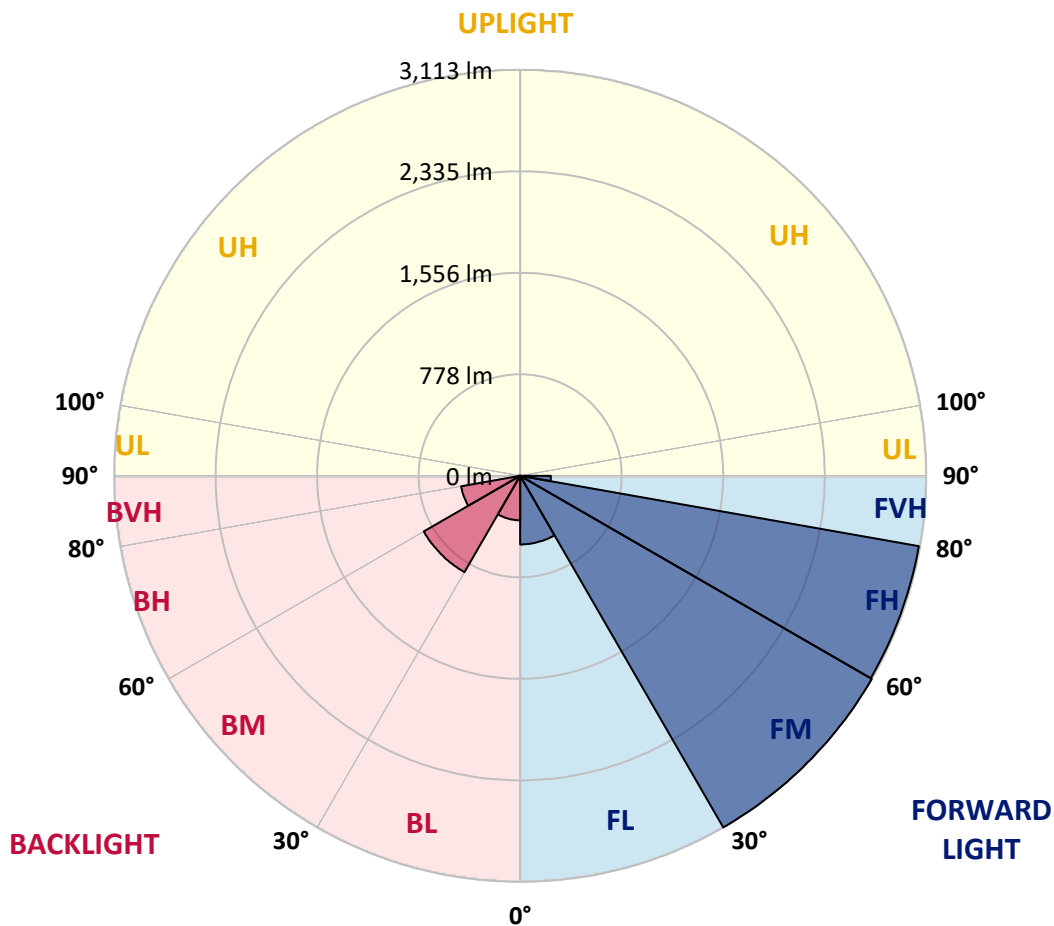
CATALOG NUMBER: USSL-P-C018-D-U-T3-7030-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 526.1  | 6.1       |                         |      |         |
| FM (30°-60°)   | 3112.9 | 36.0      |                         |      |         |
| FH (60°-80°)   | 3103.7 | 35.9      |                         |      | G2/5000 |
| FVH (80°-90°)  | 235.4  | 2.7       |                         |      | G3/500  |
| BL (0°-30°)    | 340.7  | 3.9       | B1/500                  |      |         |
| BM (30°-60°)   | 853.6  | 9.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 459.6  | 5.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 12.9   | 0.1       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type III Medium





REPORT NUMBER: P510993

CATALOG NUMBER: USSL-P-C018-D-U-T3-7030-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 904.6  | 904.6  | 904.6  | 904.6  | 904.6  | 904.6  | 904.6  | 904.6  | 904.6  | 904.6  | 904.6  |
| 2.5°  | 937.9  | 943.8  | 941.9  | 943.8  | 941.9  | 936.0  | 928.1  | 920.3  | 918.3  | 916.4  | 910.5  |
| 5°    | 979.1  | 983.1  | 979.1  | 981.1  | 977.2  | 969.3  | 957.6  | 945.8  | 941.9  | 934.0  | 920.3  |
| 7.5°  | 1014.5 | 1018.4 | 1018.4 | 1024.3 | 1022.3 | 1018.4 | 1004.7 | 990.9  | 979.1  | 971.3  | 953.6  |
| 10°   | 1051.7 | 1053.7 | 1055.7 | 1063.5 | 1069.4 | 1069.4 | 1057.6 | 1045.9 | 1036.0 | 1022.3 | 994.8  |
| 12.5° | 1075.3 | 1077.3 | 1081.2 | 1091.0 | 1104.7 | 1112.6 | 1106.7 | 1094.9 | 1085.1 | 1073.3 | 1038.0 |
| 15°   | 1085.1 | 1087.1 | 1096.9 | 1114.5 | 1134.2 | 1145.9 | 1147.9 | 1140.0 | 1136.1 | 1124.3 | 1089.0 |
| 17.5° | 1110.6 | 1114.5 | 1120.4 | 1144.0 | 1159.7 | 1179.3 | 1196.9 | 1208.7 | 1204.8 | 1193.0 | 1155.7 |
| 20°   | 1149.9 | 1155.7 | 1159.7 | 1177.3 | 1189.1 | 1224.4 | 1259.7 | 1281.3 | 1279.4 | 1271.5 | 1234.2 |
| 22.5° | 1198.9 | 1200.9 | 1204.8 | 1216.6 | 1238.2 | 1277.4 | 1326.5 | 1352.0 | 1363.7 | 1355.9 | 1326.5 |
| 25°   | 1253.9 | 1253.9 | 1249.9 | 1267.6 | 1297.0 | 1340.2 | 1399.1 | 1442.2 | 1450.1 | 1456.0 | 1461.8 |
| 27.5° | 1318.6 | 1320.6 | 1314.7 | 1330.4 | 1357.8 | 1408.9 | 1481.5 | 1542.3 | 1565.8 | 1573.7 | 1630.6 |
| 30°   | 1473.6 | 1471.7 | 1448.1 | 1404.9 | 1438.3 | 1495.2 | 1571.7 | 1673.8 | 1707.1 | 1742.4 | 1848.4 |
| 32.5° | 1675.7 | 1671.8 | 1671.8 | 1577.6 | 1524.6 | 1587.4 | 1673.8 | 1803.3 | 1866.1 | 1964.2 | 2083.9 |
| 35°   | 1862.1 | 1862.1 | 1856.2 | 1803.3 | 1701.2 | 1687.5 | 1781.7 | 1954.4 | 2058.4 | 2236.9 | 2335.0 |
| 37.5° | 2027.0 | 2027.0 | 2036.8 | 1977.9 | 1911.2 | 1836.6 | 1919.0 | 2117.2 | 2272.2 | 2505.7 | 2578.3 |
| 40°   | 2178.1 | 2183.9 | 2191.8 | 2162.4 | 2111.3 | 2050.5 | 2058.4 | 2297.7 | 2539.1 | 2794.2 | 2851.1 |
| 42.5° | 2286.0 | 2301.7 | 2348.8 | 2313.4 | 2321.3 | 2284.0 | 2223.2 | 2468.5 | 2780.4 | 3033.6 | 3082.6 |
| 45°   | 2388.0 | 2393.9 | 2429.2 | 2450.8 | 2503.8 | 2488.1 | 2444.9 | 2643.1 | 3019.8 | 3274.9 | 3284.7 |
| 47.5° | 2460.6 | 2460.6 | 2492.0 | 2564.6 | 2660.8 | 2690.2 | 2674.5 | 2839.3 | 3261.2 | 3488.8 | 3498.6 |
| 50°   | 2488.1 | 2492.0 | 2562.6 | 2666.6 | 2827.5 | 2886.4 | 2908.0 | 3094.4 | 3512.4 | 3722.3 | 3694.8 |
| 52.5° | 2519.5 | 2533.2 | 2625.4 | 2754.9 | 2968.8 | 3086.6 | 3139.5 | 3429.9 | 3775.3 | 3953.9 | 3896.9 |
| 55°   | 2535.2 | 2560.7 | 2645.1 | 2806.0 | 3070.9 | 3257.3 | 3345.6 | 3747.8 | 4069.6 | 4191.3 | 4130.4 |
| 57.5° | 2413.5 | 2454.7 | 2607.8 | 2807.9 | 3135.6 | 3396.6 | 3573.2 | 4104.9 | 4452.3 | 4485.6 | 4322.7 |
| 60°   | 2246.7 | 2266.4 | 2444.9 | 2760.8 | 3117.9 | 3508.4 | 3836.1 | 4532.7 | 4852.5 | 4866.3 | 4558.2 |
| 62.5° | 2064.2 | 2064.2 | 2238.9 | 2601.9 | 3037.5 | 3524.1 | 4075.5 | 5066.4 | 5392.1 | 5276.4 | 4805.4 |
| 65°   | 1822.9 | 1836.6 | 2009.3 | 2340.9 | 2857.0 | 3461.3 | 4258.0 | 5592.3 | 5984.7 | 5874.9 | 5050.7 |
| 67.5° | 1520.7 | 1532.5 | 1687.5 | 2001.5 | 2519.5 | 3274.9 | 4381.6 | 5984.7 | 6226.1 | 6128.0 | 5237.1 |
| 70°   | 1142.0 | 1149.9 | 1283.3 | 1595.3 | 2107.4 | 2927.6 | 4413.0 | 6104.4 | 6271.2 | 6173.1 | 5264.6 |
| 72.5° | 645.6  | 625.9  | 781.0  | 1049.8 | 1524.6 | 2380.2 | 4291.4 | 6035.8 | 6129.9 | 6022.0 | 5052.7 |
| 75°   | 98.1   | 115.8  | 166.8  | 386.6  | 782.9  | 1561.9 | 3789.0 | 5708.1 | 5814.0 | 5686.5 | 4662.2 |
| 77.5° | 70.6   | 72.6   | 94.2   | 141.3  | 237.4  | 573.0  | 2413.5 | 5133.1 | 5325.4 | 5170.4 | 4042.1 |
| 80°   | 51.0   | 51.0   | 66.7   | 100.1  | 160.9  | 221.7  | 932.0  | 3810.6 | 4311.0 | 4252.1 | 3025.7 |
| 82.5° | 35.3   | 37.3   | 47.1   | 72.6   | 111.8  | 157.0  | 268.8  | 1824.9 | 2246.7 | 2307.6 | 1487.4 |
| 85°   | 23.5   | 23.5   | 33.4   | 51.0   | 74.6   | 96.1   | 107.9  | 786.8  | 1065.5 | 1108.6 | 622.0  |
| 87.5° | 13.7   | 13.7   | 19.6   | 31.4   | 47.1   | 58.9   | 53.0   | 62.8   | 54.9   | 51.0   | 27.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P510993

CATALOG NUMBER: USSL-P-C018-D-U-T3-7030-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 904.6  | 904.6  | 904.6  | 904.6  | 904.6 | 904.6 | 904.6 | 904.6 | 904.6 | 904.6 | 904.6 |
| 2.5°  | 906.5  | 902.6  | 894.8  | 888.9  | 881.0 | 871.2 | 861.4 | 857.5 | 847.7 | 845.7 | 839.8 |
| 5°    | 914.4  | 906.5  | 892.8  | 877.1  | 857.5 | 837.9 | 816.3 | 804.5 | 794.7 | 786.8 | 792.7 |
| 7.5°  | 941.9  | 928.1  | 906.5  | 879.1  | 845.7 | 814.3 | 786.8 | 763.3 | 749.6 | 743.7 | 743.7 |
| 10°   | 979.1  | 961.5  | 926.2  | 885.0  | 839.8 | 798.6 | 757.4 | 726.0 | 704.4 | 694.6 | 692.7 |
| 12.5° | 1020.3 | 998.8  | 951.7  | 894.8  | 839.8 | 782.9 | 735.8 | 692.7 | 663.2 | 649.5 | 647.5 |
| 15°   | 1063.5 | 1040.0 | 983.1  | 918.3  | 853.6 | 786.8 | 722.1 | 665.2 | 624.0 | 600.4 | 598.5 |
| 17.5° | 1128.3 | 1100.8 | 1034.1 | 965.4  | 886.9 | 802.5 | 718.2 | 635.8 | 571.0 | 539.6 | 535.7 |
| 20°   | 1206.8 | 1179.3 | 1120.4 | 1030.2 | 926.2 | 814.3 | 696.6 | 590.6 | 514.1 | 472.9 | 472.9 |
| 22.5° | 1306.8 | 1308.8 | 1222.5 | 1091.0 | 949.7 | 806.5 | 671.1 | 541.6 | 437.6 | 384.6 | 380.7 |
| 25°   | 1461.8 | 1452.0 | 1318.6 | 1138.1 | 961.5 | 781.0 | 622.0 | 453.3 | 331.6 | 280.6 | 270.8 |
| 27.5° | 1640.4 | 1589.4 | 1406.9 | 1175.4 | 951.7 | 751.5 | 545.5 | 339.5 | 221.7 | 176.6 | 170.7 |
| 30°   | 1817.0 | 1744.4 | 1493.2 | 1210.7 | 932.0 | 688.7 | 421.9 | 211.9 | 141.3 | 117.7 | 113.8 |
| 32.5° | 2027.0 | 1924.9 | 1595.3 | 1236.2 | 908.5 | 592.6 | 284.5 | 133.4 | 92.2  | 78.5  | 74.6  |
| 35°   | 2258.5 | 2107.4 | 1699.3 | 1246.0 | 861.4 | 465.0 | 164.8 | 82.4  | 56.9  | 56.9  | 58.9  |
| 37.5° | 2497.9 | 2333.1 | 1815.0 | 1244.0 | 779.0 | 310.0 | 102.0 | 47.1  | 47.1  | 56.9  | 60.8  |
| 40°   | 2731.4 | 2529.3 | 1936.7 | 1228.3 | 651.5 | 178.6 | 53.0  | 39.2  | 43.2  | 53.0  | 54.9  |
| 42.5° | 2953.1 | 2705.9 | 2064.2 | 1196.9 | 484.7 | 100.1 | 41.2  | 37.3  | 41.2  | 45.1  | 45.1  |
| 45°   | 3149.3 | 2898.2 | 2168.2 | 1149.9 | 304.1 | 53.0  | 39.2  | 35.3  | 35.3  | 37.3  | 39.2  |
| 47.5° | 3322.0 | 3059.1 | 2256.5 | 1057.6 | 162.9 | 49.1  | 37.3  | 33.4  | 31.4  | 33.4  | 33.4  |
| 50°   | 3494.7 | 3200.4 | 2291.9 | 910.5  | 76.5  | 49.1  | 37.3  | 31.4  | 29.4  | 35.3  | 35.3  |
| 52.5° | 3661.5 | 3361.3 | 2280.1 | 714.2  | 54.9  | 45.1  | 35.3  | 31.4  | 29.4  | 37.3  | 39.2  |
| 55°   | 3842.0 | 3516.3 | 2260.5 | 453.3  | 54.9  | 43.2  | 33.4  | 27.5  | 27.5  | 27.5  | 29.4  |
| 57.5° | 4014.7 | 3655.6 | 2227.1 | 190.3  | 53.0  | 39.2  | 29.4  | 23.5  | 21.6  | 23.5  | 23.5  |
| 60°   | 4203.1 | 3810.6 | 2081.9 | 76.5   | 51.0  | 35.3  | 25.5  | 21.6  | 17.7  | 19.6  | 19.6  |
| 62.5° | 4403.2 | 3908.7 | 1826.8 | 60.8   | 47.1  | 31.4  | 21.6  | 17.7  | 15.7  | 15.7  | 17.7  |
| 65°   | 4552.3 | 3910.7 | 1436.3 | 53.0   | 45.1  | 27.5  | 19.6  | 15.7  | 13.7  | 13.7  | 13.7  |
| 67.5° | 4570.0 | 3685.0 | 1047.8 | 47.1   | 41.2  | 23.5  | 15.7  | 13.7  | 11.8  | 9.8   | 11.8  |
| 70°   | 4409.1 | 3255.3 | 639.7  | 45.1   | 35.3  | 19.6  | 13.7  | 11.8  | 9.8   | 7.8   | 9.8   |
| 72.5° | 4091.2 | 2774.6 | 251.2  | 41.2   | 31.4  | 15.7  | 11.8  | 11.8  | 7.8   | 5.9   | 5.9   |
| 75°   | 3590.8 | 2166.3 | 62.8   | 37.3   | 27.5  | 13.7  | 9.8   | 9.8   | 7.8   | 3.9   | 3.9   |
| 77.5° | 2884.4 | 1273.5 | 47.1   | 31.4   | 23.5  | 9.8   | 7.8   | 7.8   | 3.9   | 3.9   | 3.9   |
| 80°   | 1611.0 | 480.7  | 35.3   | 21.6   | 13.7  | 7.8   | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 82.5° | 639.7  | 100.1  | 25.5   | 11.8   | 7.8   | 3.9   | 2.0   | 2.0   | 2.0   | 3.9   | 3.9   |
| 85°   | 137.4  | 31.4   | 15.7   | 7.8    | 3.9   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 3.9   |
| 87.5° | 9.8    | 9.8    | 5.9    | 5.9    | 3.9   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 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)