

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: McGRAW-EDISON

Report Number: P594279

Luminaire Tested: **ISC-PA1E-722-U-T4W**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISC-PA1E-722-U-T4W  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7641 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

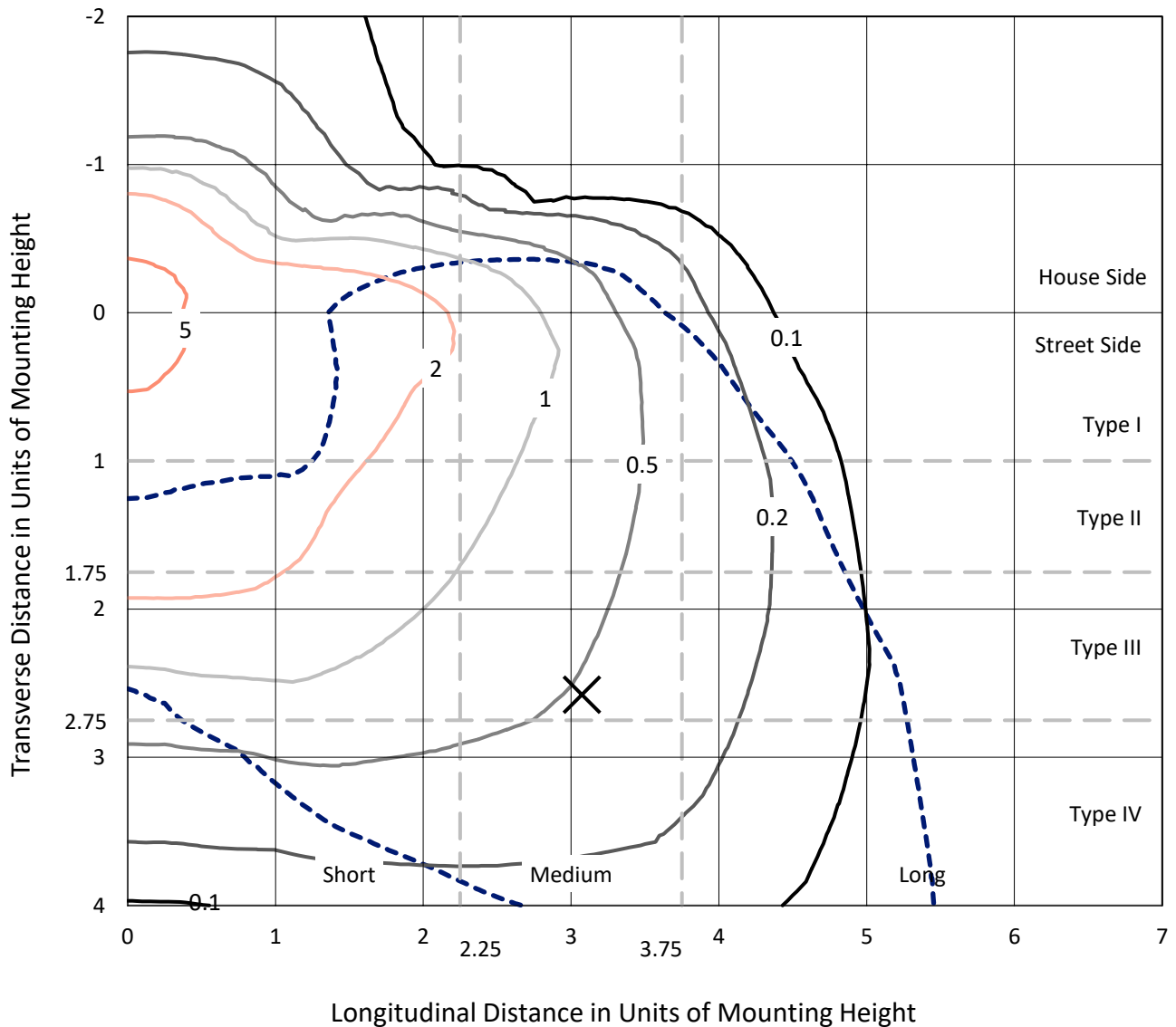
Input Watts (W): 82.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P594279  
 CATALOG NUMBER: ISC-PA1E-722-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

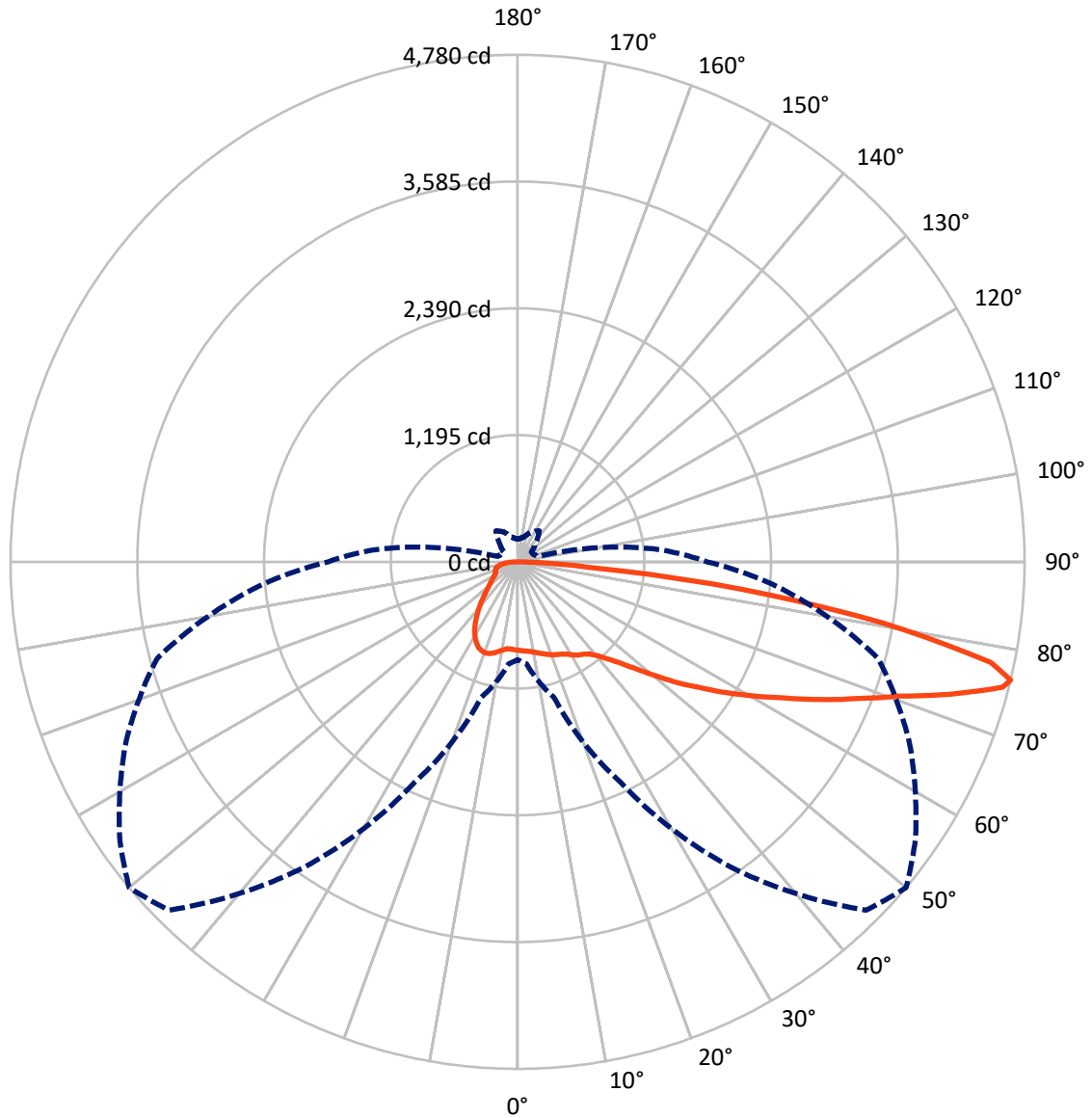
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 6.3 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P594279  
CATALOG NUMBER: ISC-PA1E-722-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical

REPORT NUMBER: P594279  
 CATALOG NUMBER: ISC-PA1E-722-U-T4W

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1748.0   | 0.0    | 1748.0 |
|                    | % Fixture | 22.9     | 0.0    | 22.9   |
| <b>Street Side</b> | Lumens    | 5893.0   | 0.0    | 5893.0 |
|                    | % Fixture | 77.1     | 0.0    | 77.1   |
| <b>Total</b>       | Lumens    | 7641.0   | 0.0    | 7641.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.9   | 1.1       |
| 10°-20°   | 254.3  | 3.3       |
| 20°-30°   | 429.5  | 5.6       |
| 30°-40°   | 588.7  | 7.7       |
| 40°-50°   | 867.1  | 11.3      |
| 50°-60°   | 1363.9 | 17.9      |
| 60°-70°   | 1963.3 | 25.7      |
| 70°-80°   | 1785.2 | 23.4      |
| 80°-90°   | 308.2  | 4.0       |
| 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°    | 7641.0 | 100.0     |
| 0°-180°   | 7641.0 | 100.0     |

**Coefficient of Utilization**

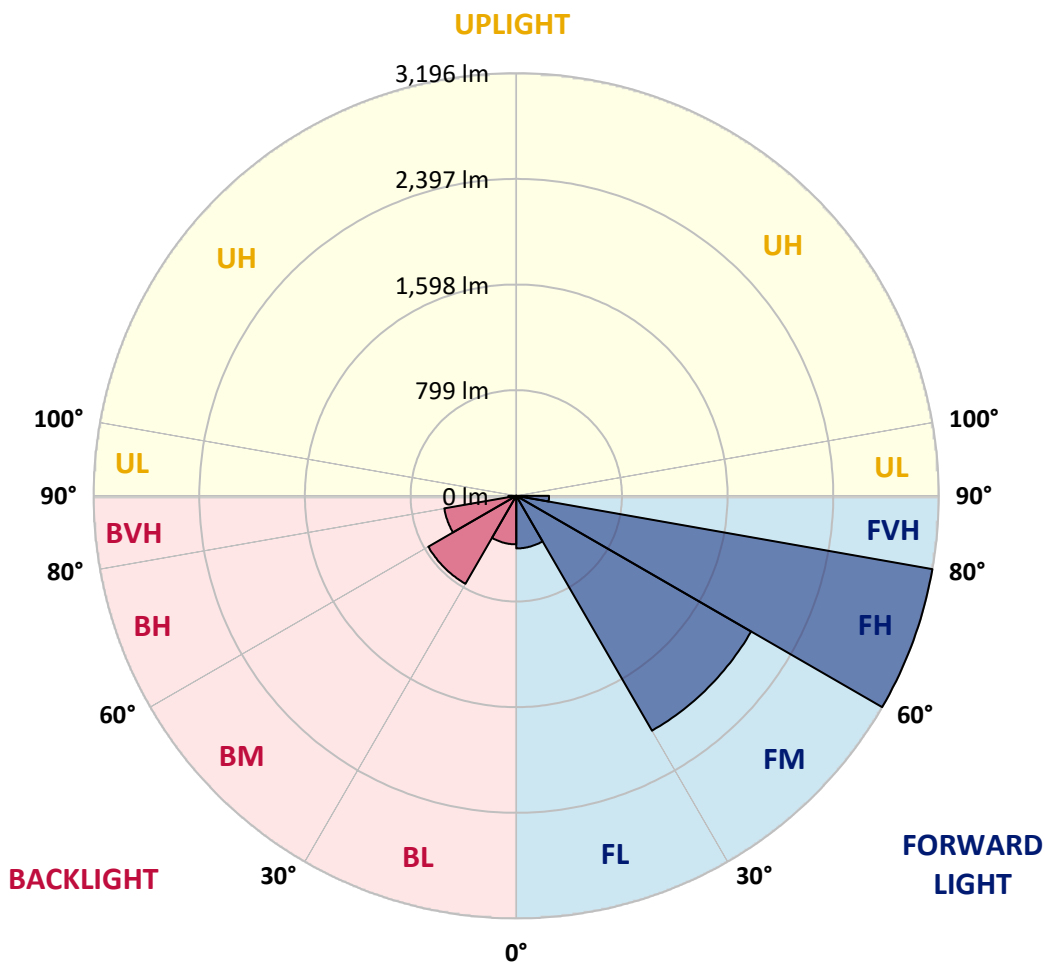


REPORT NUMBER: P594279  
 CATALOG NUMBER: ISC-PA1E-722-U-T4W

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 397.7  | 5.2       |                         |      |         |
| FM (30°-60°)   | 2051.5 | 26.8      |                         |      |         |
| FH (60°-80°)   | 3195.8 | 41.8      |                         |      | G2/5000 |
| FVH (80°-90°)  | 248.1  | 3.2       |                         |      | G3/500  |
| BL (0°-30°)    | 366.9  | 4.8       | B1/500                  |      |         |
| BM (30°-60°)   | 768.2  | 10.1      | B1/1000                 |      |         |
| BH (60°-80°)   | 552.6  | 7.2       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 60.1   | 0.8       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**  
 Type IV Medium





REPORT NUMBER: P594279  
 CATALOG NUMBER: ISC-PA1E-722-U-T4W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 50°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 832.9  | 832.9  | 832.9  | 832.9  | 832.9  | 832.9  | 832.9  | 832.9  | 832.9  | 832.9  | 832.9  |
| 2.5°  | 851.6  | 851.6  | 853.4  | 849.7  | 849.7  | 840.3  | 840.3  | 838.5  | 834.7  | 832.9  | 829.1  |
| 5°    | 883.4  | 883.4  | 877.8  | 868.4  | 862.8  | 851.6  | 846.0  | 842.2  | 834.7  | 825.4  | 816.0  |
| 7.5°  | 917.1  | 913.3  | 909.6  | 894.6  | 883.4  | 862.8  | 853.4  | 847.8  | 832.9  | 819.8  | 814.1  |
| 10°   | 952.6  | 947.0  | 937.7  | 918.9  | 902.1  | 877.8  | 866.5  | 859.1  | 842.2  | 831.0  | 817.9  |
| 12.5° | 973.2  | 973.2  | 962.0  | 939.5  | 917.1  | 887.1  | 881.5  | 872.2  | 855.3  | 840.3  | 827.2  |
| 15°   | 993.8  | 995.7  | 984.4  | 958.2  | 932.0  | 909.6  | 900.2  | 894.6  | 875.9  | 853.4  | 836.6  |
| 17.5° | 1014.4 | 1012.5 | 1001.3 | 971.3  | 943.3  | 922.7  | 917.1  | 909.6  | 890.9  | 870.3  | 853.4  |
| 20°   | 1029.4 | 1025.6 | 1021.9 | 984.4  | 956.4  | 943.3  | 935.8  | 930.2  | 911.5  | 889.0  | 866.5  |
| 22.5° | 1033.1 | 1036.9 | 1033.1 | 988.2  | 965.7  | 950.8  | 948.9  | 943.3  | 928.3  | 907.7  | 885.3  |
| 25°   | 1035.0 | 1036.9 | 1042.5 | 999.4  | 978.8  | 967.6  | 963.9  | 960.1  | 948.9  | 932.0  | 902.1  |
| 27.5° | 1044.3 | 1046.2 | 1046.2 | 1006.9 | 995.7  | 988.2  | 984.4  | 984.4  | 978.8  | 958.2  | 928.3  |
| 30°   | 1046.2 | 1048.1 | 1051.8 | 1025.6 | 1021.9 | 1016.3 | 1018.1 | 1016.3 | 1006.9 | 984.4  | 950.8  |
| 32.5° | 1059.3 | 1061.2 | 1070.5 | 1036.9 | 1040.6 | 1046.2 | 1048.1 | 1046.2 | 1027.5 | 1008.8 | 980.7  |
| 35°   | 1102.4 | 1100.5 | 1108.0 | 1064.9 | 1061.2 | 1063.1 | 1068.7 | 1066.8 | 1059.3 | 1042.5 | 1023.8 |
| 37.5° | 1240.9 | 1240.9 | 1220.3 | 1130.4 | 1102.4 | 1098.6 | 1102.4 | 1111.7 | 1113.6 | 1098.6 | 1083.6 |
| 40°   | 1484.2 | 1471.1 | 1459.8 | 1265.2 | 1175.4 | 1152.9 | 1164.1 | 1169.7 | 1184.7 | 1184.7 | 1184.7 |
| 42.5° | 1735.0 | 1736.8 | 1733.1 | 1474.8 | 1306.4 | 1250.2 | 1252.1 | 1265.2 | 1297.0 | 1302.6 | 1319.5 |
| 45°   | 1957.7 | 1970.8 | 1998.8 | 1718.1 | 1499.1 | 1373.7 | 1360.6 | 1373.7 | 1418.7 | 1456.1 | 1499.1 |
| 47.5° | 2131.7 | 2116.8 | 2178.5 | 1972.6 | 1720.0 | 1542.2 | 1508.5 | 1512.2 | 1574.0 | 1633.9 | 1701.3 |
| 50°   | 2281.5 | 2285.2 | 2313.3 | 2232.8 | 1998.8 | 1733.1 | 1688.2 | 1680.7 | 1768.6 | 1832.3 | 1946.4 |
| 52.5° | 2449.9 | 2438.7 | 2479.8 | 2461.1 | 2270.2 | 1967.0 | 1895.9 | 1873.4 | 1968.9 | 2058.7 | 2182.3 |
| 55°   | 2530.4 | 2541.6 | 2625.8 | 2672.6 | 2526.6 | 2176.6 | 2098.0 | 2105.5 | 2206.6 | 2302.0 | 2474.2 |
| 57.5° | 2672.6 | 2683.8 | 2781.2 | 2878.5 | 2755.0 | 2399.4 | 2330.1 | 2330.1 | 2444.3 | 2551.0 | 2816.7 |
| 60°   | 2867.3 | 2869.1 | 2968.3 | 3136.8 | 2955.2 | 2614.6 | 2569.7 | 2567.8 | 2691.3 | 2814.9 | 3221.0 |
| 62.5° | 2953.3 | 2975.8 | 3123.7 | 3342.6 | 3217.2 | 2878.5 | 2826.1 | 2841.1 | 2951.5 | 3095.6 | 3672.0 |
| 65°   | 2837.3 | 2886.0 | 3194.8 | 3481.1 | 3451.2 | 3153.6 | 3133.0 | 3153.6 | 3221.0 | 3376.3 | 4149.3 |
| 67.5° | 2453.6 | 2519.1 | 3063.8 | 3574.7 | 3638.3 | 3471.8 | 3441.8 | 3438.1 | 3481.1 | 3655.2 | 4450.6 |
| 70°   | 2255.2 | 2294.6 | 2717.5 | 3610.3 | 3788.1 | 3793.7 | 3793.7 | 3769.4 | 3763.7 | 3891.0 | 4478.7 |
| 72.5° | 1856.6 | 1897.8 | 2292.7 | 3411.9 | 3930.3 | 4224.1 | 4267.2 | 4177.4 | 4038.9 | 4012.7 | 4008.9 |
| 75°   | 1323.2 | 1353.1 | 1693.8 | 2683.8 | 3748.8 | 4637.8 | 4723.9 | 4549.8 | 4164.3 | 3746.9 | 2923.4 |
| 76°   | 922.7  | 965.7  | 1323.2 | 2292.7 | 3520.4 | 4645.3 | 4780.0 | 4577.9 | 4080.0 | 3518.6 | 2408.7 |
| 77.5° | 467.9  | 482.9  | 765.5  | 1540.3 | 2945.9 | 4431.9 | 4562.9 | 4336.4 | 3713.2 | 2842.9 | 1529.1 |
| 80°   | 177.8  | 183.4  | 273.3  | 561.5  | 1617.0 | 3441.8 | 3492.4 | 3187.3 | 2457.4 | 1214.7 | 550.2  |
| 82.5° | 93.6   | 97.3   | 153.5  | 277.0  | 664.4  | 1892.2 | 2135.5 | 1778.0 | 963.9  | 365.0  | 161.0  |
| 85°   | 46.8   | 50.5   | 89.8   | 168.4  | 329.4  | 591.4  | 685.0  | 647.6  | 320.0  | 138.5  | 59.9   |
| 87.5° | 18.7   | 22.5   | 44.9   | 74.9   | 132.9  | 116.0  | 129.1  | 166.6  | 102.9  | 65.5   | 20.6   |
| 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: P594279  
 CATALOG NUMBER: ISC-PA1E-722-U-T4W

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 832.9  | 832.9  | 832.9  | 832.9 | 832.9 | 832.9 | 832.9 | 832.9 | 832.9 | 832.9 | 832.9 |
| 2.5°  | 829.1  | 827.2  | 829.1  | 827.2 | 829.1 | 829.1 | 831.0 | 827.2 | 827.2 | 831.0 | 825.4 |
| 5°    | 816.0  | 814.1  | 816.0  | 819.8 | 821.6 | 825.4 | 832.9 | 831.0 | 834.7 | 838.5 | 840.3 |
| 7.5°  | 810.4  | 808.5  | 814.1  | 816.0 | 821.6 | 829.1 | 840.3 | 847.8 | 851.6 | 859.1 | 855.3 |
| 10°   | 816.0  | 816.0  | 823.5  | 829.1 | 838.5 | 847.8 | 857.2 | 864.7 | 874.0 | 879.6 | 877.8 |
| 12.5° | 825.4  | 823.5  | 836.6  | 844.1 | 857.2 | 866.5 | 874.0 | 877.8 | 885.3 | 892.7 | 890.9 |
| 15°   | 834.7  | 836.6  | 855.3  | 870.3 | 885.3 | 889.0 | 890.9 | 887.1 | 890.9 | 894.6 | 894.6 |
| 17.5° | 853.4  | 855.3  | 875.9  | 892.7 | 905.8 | 902.1 | 892.7 | 883.4 | 883.4 | 885.3 | 887.1 |
| 20°   | 868.4  | 872.2  | 896.5  | 911.5 | 918.9 | 904.0 | 889.0 | 877.8 | 872.2 | 874.0 | 872.2 |
| 22.5° | 885.3  | 892.7  | 917.1  | 924.6 | 913.3 | 894.6 | 875.9 | 860.9 | 860.9 | 862.8 | 862.8 |
| 25°   | 905.8  | 909.6  | 926.4  | 922.7 | 902.1 | 874.0 | 859.1 | 853.4 | 851.6 | 853.4 | 855.3 |
| 27.5° | 924.6  | 926.4  | 935.8  | 909.6 | 870.3 | 840.3 | 834.7 | 836.6 | 838.5 | 840.3 | 842.2 |
| 30°   | 948.9  | 952.6  | 943.3  | 890.9 | 831.0 | 797.3 | 797.3 | 808.5 | 812.3 | 817.9 | 816.0 |
| 32.5° | 978.8  | 982.6  | 954.5  | 866.5 | 780.4 | 746.8 | 748.6 | 765.5 | 776.7 | 780.4 | 782.3 |
| 35°   | 1029.4 | 1021.9 | 962.0  | 832.9 | 726.2 | 685.0 | 686.9 | 707.5 | 722.4 | 728.0 | 724.3 |
| 37.5° | 1091.1 | 1089.3 | 973.2  | 789.8 | 658.8 | 621.4 | 623.2 | 632.6 | 647.6 | 649.4 | 651.3 |
| 40°   | 1194.1 | 1179.1 | 991.9  | 733.7 | 591.4 | 555.9 | 552.1 | 557.7 | 555.9 | 559.6 | 561.5 |
| 42.5° | 1341.9 | 1302.6 | 1016.3 | 670.0 | 531.5 | 494.1 | 490.4 | 481.0 | 469.8 | 458.5 | 452.9 |
| 45°   | 1516.0 | 1454.2 | 1046.2 | 604.5 | 469.8 | 436.1 | 426.7 | 415.5 | 393.0 | 368.7 | 361.2 |
| 47.5° | 1740.6 | 1622.7 | 1079.9 | 539.0 | 411.7 | 385.5 | 378.1 | 361.2 | 335.0 | 306.9 | 301.3 |
| 50°   | 1970.8 | 1821.0 | 1113.6 | 484.7 | 365.0 | 350.0 | 342.5 | 325.7 | 292.0 | 265.8 | 260.1 |
| 52.5° | 2238.4 | 2017.6 | 1149.1 | 436.1 | 323.8 | 323.8 | 318.2 | 292.0 | 260.1 | 235.8 | 232.1 |
| 55°   | 2547.2 | 2219.7 | 1205.3 | 389.3 | 293.8 | 301.3 | 293.8 | 267.6 | 237.7 | 220.8 | 219.0 |
| 57.5° | 2915.9 | 2476.1 | 1276.4 | 338.8 | 267.6 | 273.3 | 273.3 | 254.5 | 233.9 | 222.7 | 220.8 |
| 60°   | 3286.5 | 2736.2 | 1321.3 | 301.3 | 247.0 | 252.7 | 263.9 | 254.5 | 241.4 | 235.8 | 233.9 |
| 62.5° | 3642.1 | 3002.0 | 1244.6 | 269.5 | 226.5 | 243.3 | 271.4 | 273.3 | 260.1 | 262.0 | 262.0 |
| 65°   | 3907.9 | 3204.1 | 1006.9 | 241.4 | 213.4 | 248.9 | 293.8 | 295.7 | 273.3 | 267.6 | 265.8 |
| 67.5° | 3999.6 | 3260.3 | 677.5  | 222.7 | 205.9 | 252.7 | 320.0 | 312.6 | 273.3 | 262.0 | 256.4 |
| 70°   | 3825.5 | 3054.4 | 439.8  | 205.9 | 194.6 | 248.9 | 340.6 | 321.9 | 271.4 | 254.5 | 247.0 |
| 72.5° | 3207.9 | 2605.2 | 293.8  | 190.9 | 183.4 | 245.2 | 353.7 | 321.9 | 265.8 | 241.4 | 233.9 |
| 75°   | 2227.2 | 1779.9 | 219.0  | 172.2 | 166.6 | 239.6 | 357.5 | 316.3 | 252.7 | 226.5 | 220.8 |
| 76°   | 1787.4 | 1334.4 | 198.4  | 164.7 | 159.1 | 235.8 | 355.6 | 310.7 | 243.3 | 219.0 | 213.4 |
| 77.5° | 1128.6 | 767.3  | 166.6  | 151.6 | 147.9 | 228.3 | 348.1 | 297.6 | 230.2 | 205.9 | 200.3 |
| 80°   | 394.9  | 280.7  | 127.3  | 123.5 | 125.4 | 211.5 | 327.5 | 271.4 | 204.0 | 181.5 | 174.1 |
| 82.5° | 157.2  | 129.1  | 95.5   | 95.5  | 99.2  | 181.5 | 295.7 | 239.6 | 177.8 | 149.7 | 138.5 |
| 85°   | 61.8   | 56.1   | 67.4   | 67.4  | 71.1  | 147.9 | 247.0 | 187.2 | 121.7 | 93.6  | 89.8  |
| 87.5° | 18.7   | 26.2   | 29.9   | 31.8  | 33.7  | 74.9  | 140.4 | 82.3  | 54.3  | 39.3  | 31.8  |
| 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)