

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: INVUE

Report Number: P366917

Luminaire Tested: **MSA-SA1C-740-U-SLL-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P366917  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA1C-740-U-SLL-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS  
EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4575 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

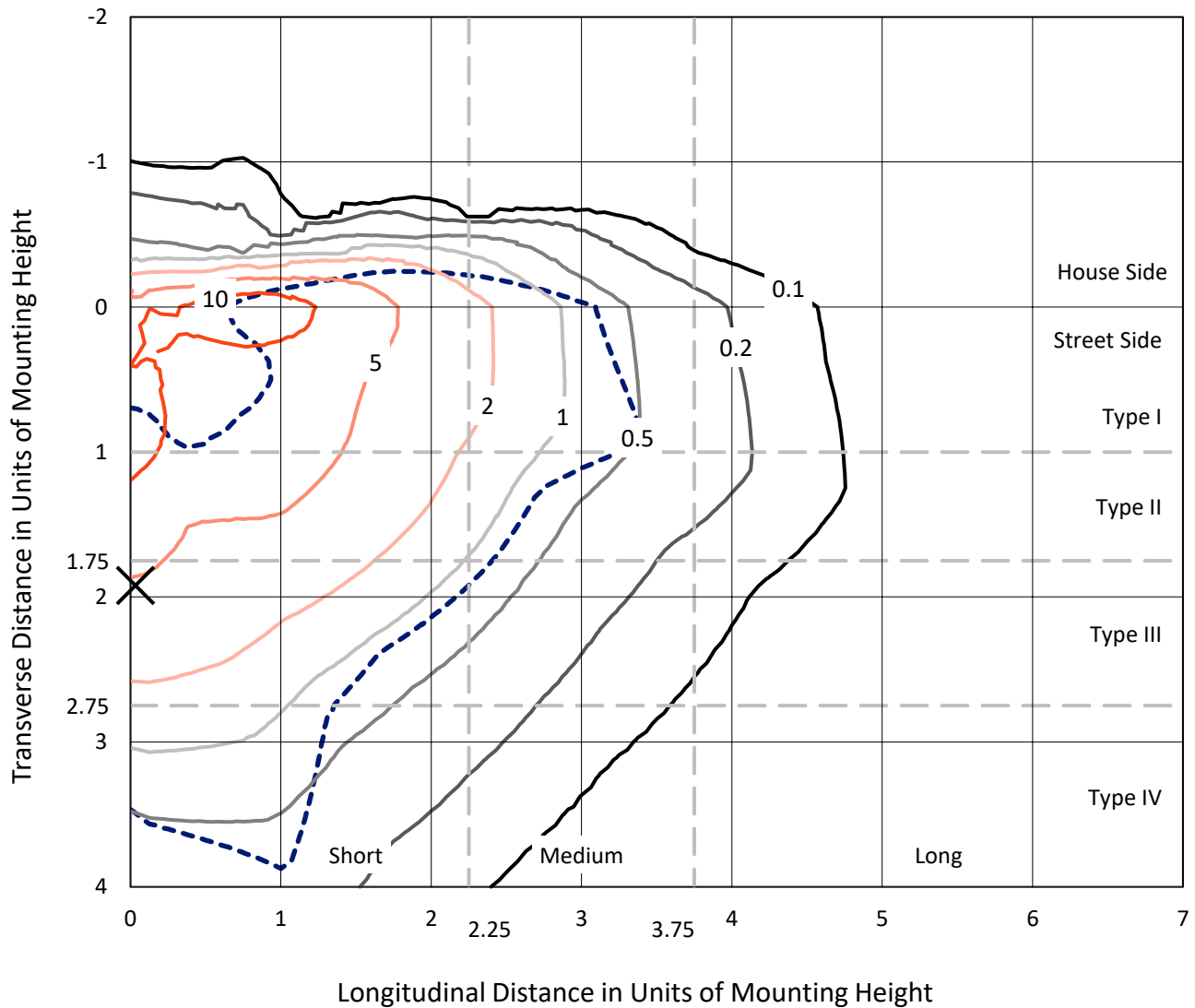
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

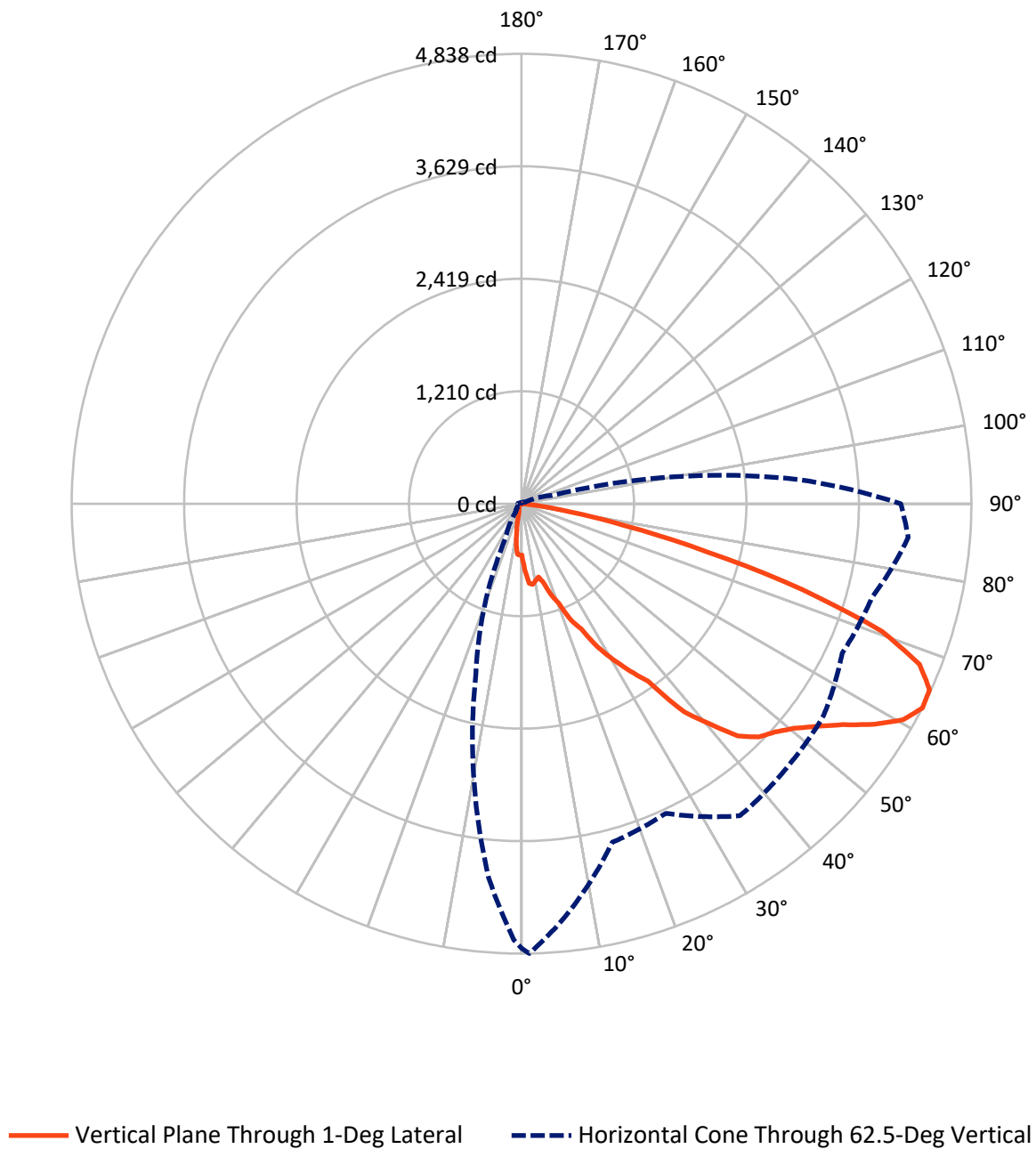
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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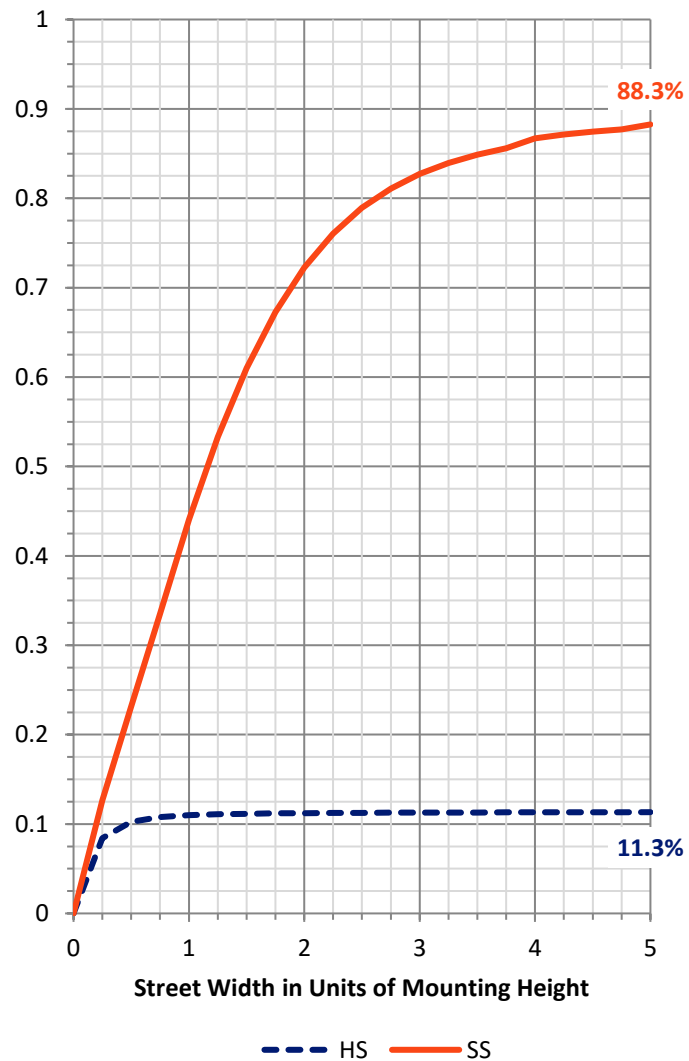
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 523.2    | 0.0    | 523.2  |
|                    | % Fixture | 11.4     | 0.0    | 11.4   |
| <b>Street Side</b> | Lumens    | 4051.8   | 0.0    | 4051.8 |
|                    | % Fixture | 88.6     | 0.0    | 88.6   |
| <b>Total</b>       | Lumens    | 4575.0   | 0.0    | 4575.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.6   | 1.3       |
| 10°-20°   | 160.8  | 3.5       |
| 20°-30°   | 260.0  | 5.7       |
| 30°-40°   | 435.5  | 9.5       |
| 40°-50°   | 712.1  | 15.6      |
| 50°-60°   | 1054.1 | 23.0      |
| 60°-70°   | 1210.2 | 26.5      |
| 70°-80°   | 598.5  | 13.1      |
| 80°-90°   | 82.2   | 1.8       |
| 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°    | 4575.0 | 100.0     |
| 0°-180°   | 4575.0 | 100.0     |

**Coefficient of Utilization**



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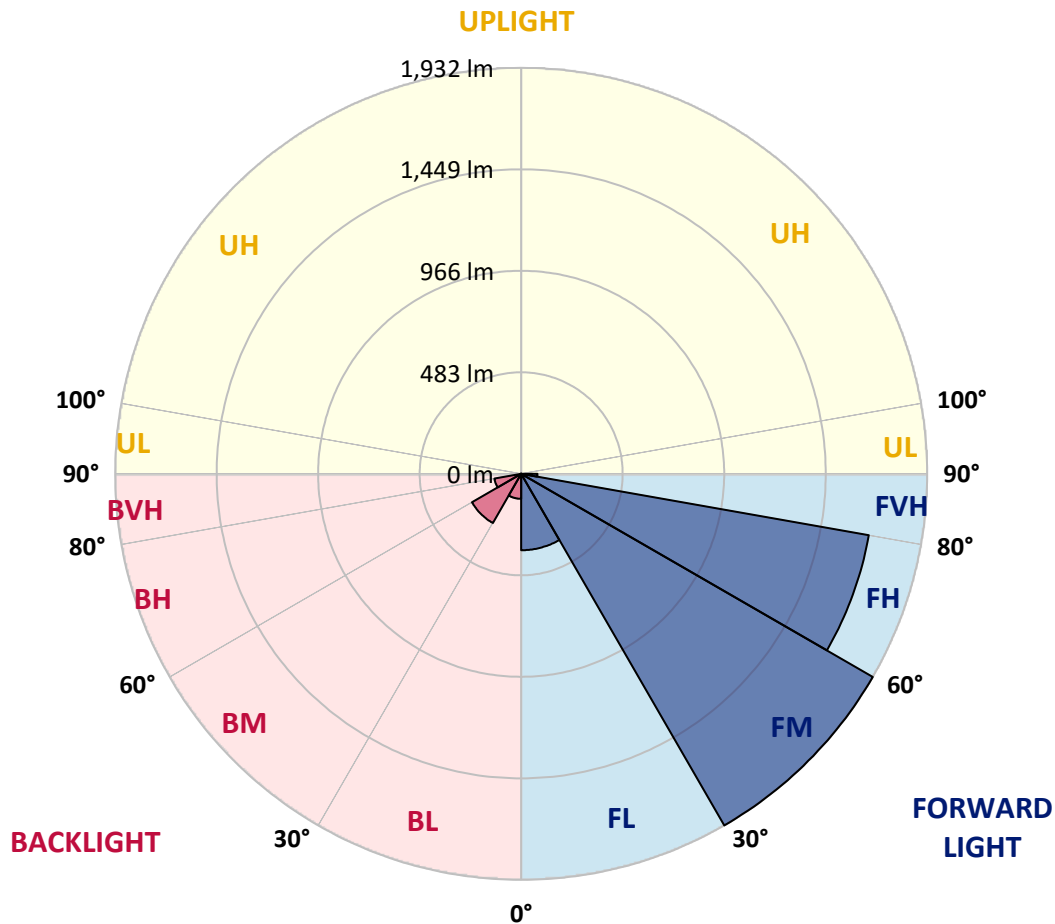
CATALOG NUMBER: MSA-SA1C-740-U-SLL-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 363.4  | 7.9       |                         |      |         |
| FM   | (30°-60°)   | 1931.5 | 42.2      |                         |      |         |
| FH   | (60°-80°)   | 1679.3 | 36.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 77.6   | 1.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 119.0  | 2.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 270.2  | 5.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 129.4  | 2.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.6    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 551.1  | 551.1  | 551.1  | 551.1  | 551.1  | 551.1  | 551.1  | 551.1  | 551.1  | 551.1  | 551.1  |
| 2.5°  | 710.7  | 714.1  | 698.2  | 696.1  | 659.1  | 705.2  | 706.5  | 712.0  | 678.1  | 612.4  | 704.2  |
| 5°    | 850.4  | 859.8  | 847.6  | 902.0  | 917.7  | 951.3  | 889.5  | 944.8  | 921.3  | 927.9  | 941.1  |
| 7.5°  | 867.1  | 876.8  | 902.6  | 993.8  | 1078.0 | 1056.9 | 1050.1 | 1071.0 | 1069.2 | 1020.9 | 1044.9 |
| 10°   | 832.4  | 840.5  | 883.5  | 1049.6 | 1086.4 | 1181.3 | 1204.5 | 1156.5 | 1136.9 | 1031.4 | 985.2  |
| 12.5° | 794.6  | 808.2  | 862.9  | 1062.1 | 1172.4 | 1268.3 | 1344.7 | 1276.4 | 1211.5 | 1099.1 | 1056.9 |
| 15°   | 867.1  | 874.7  | 960.7  | 1088.2 | 1184.6 | 1250.9 | 1313.4 | 1290.8 | 1280.8 | 1200.0 | 1056.9 |
| 17.5° | 1009.2 | 1026.9 | 1089.2 | 1152.1 | 1228.2 | 1268.1 | 1253.2 | 1246.2 | 1220.9 | 1347.8 | 1199.8 |
| 20°   | 1110.3 | 1143.5 | 1225.1 | 1252.2 | 1191.7 | 1229.0 | 1219.8 | 1213.6 | 1193.8 | 1430.0 | 1364.0 |
| 22.5° | 1329.3 | 1359.8 | 1361.4 | 1371.1 | 1230.3 | 1170.8 | 1155.7 | 1157.5 | 1247.5 | 1454.5 | 1568.4 |
| 25°   | 1478.5 | 1488.9 | 1571.3 | 1502.4 | 1335.6 | 1188.6 | 1130.9 | 1156.8 | 1286.3 | 1630.7 | 1760.5 |
| 27.5° | 1722.5 | 1747.3 | 1798.6 | 1565.5 | 1398.7 | 1177.3 | 1085.6 | 1179.4 | 1388.5 | 1689.1 | 1974.1 |
| 30°   | 1921.4 | 1945.1 | 2027.8 | 1651.8 | 1453.4 | 1232.9 | 1105.1 | 1225.1 | 1452.1 | 1809.3 | 2165.9 |
| 32.5° | 2082.8 | 2144.0 | 2237.9 | 1785.1 | 1451.3 | 1296.8 | 1205.0 | 1209.9 | 1530.3 | 1964.9 | 2355.7 |
| 35°   | 2289.0 | 2346.1 | 2412.1 | 1876.8 | 1546.2 | 1317.3 | 1234.4 | 1358.5 | 1646.6 | 2127.6 | 2611.2 |
| 37.5° | 2753.8 | 2840.1 | 2709.8 | 2108.1 | 1656.8 | 1503.5 | 1350.7 | 1450.0 | 1768.4 | 2293.7 | 2962.4 |
| 40°   | 3037.5 | 3110.2 | 2984.3 | 2226.2 | 1848.1 | 1597.3 | 1558.2 | 1609.1 | 1887.5 | 2379.5 | 3227.0 |
| 42.5° | 3317.0 | 3412.9 | 3202.5 | 2404.0 | 2029.9 | 1862.2 | 1755.3 | 1796.3 | 2059.8 | 2586.5 | 3524.7 |
| 45°   | 3519.3 | 3578.7 | 3249.7 | 2497.0 | 2279.6 | 2164.1 | 2092.9 | 2031.9 | 2300.2 | 2719.4 | 3716.9 |
| 47.5° | 3620.9 | 3668.4 | 3342.8 | 2526.5 | 2428.2 | 2483.5 | 2639.4 | 2511.9 | 2512.9 | 2815.6 | 3820.4 |
| 50°   | 3761.7 | 3794.8 | 3394.9 | 2561.7 | 2589.6 | 2981.2 | 3059.9 | 2788.5 | 2755.9 | 2912.1 | 3837.3 |
| 52.5° | 3959.6 | 3975.8 | 3496.1 | 2654.5 | 2831.3 | 3370.9 | 3399.3 | 3289.6 | 2999.2 | 3091.4 | 3874.9 |
| 55°   | 4222.7 | 4194.2 | 3676.7 | 2849.5 | 3083.4 | 3656.4 | 3694.5 | 3598.8 | 3305.0 | 3270.6 | 3991.1 |
| 57.5° | 4506.3 | 4473.7 | 3944.5 | 3124.3 | 3356.8 | 3874.6 | 3897.3 | 3904.9 | 3508.1 | 3429.1 | 4188.8 |
| 60°   | 4709.7 | 4715.6 | 4281.6 | 3439.5 | 3526.8 | 4083.4 | 4038.1 | 3969.2 | 3713.0 | 3661.4 | 4285.0 |
| 62.5° | 4780.8 | 4838.4 | 4544.1 | 3769.8 | 3673.3 | 4096.5 | 4026.1 | 3967.9 | 3804.7 | 3900.9 | 4174.7 |
| 65°   | 4722.7 | 4823.3 | 4605.1 | 4060.0 | 3762.0 | 3933.0 | 3859.7 | 3822.5 | 3801.9 | 3998.7 | 3930.7 |
| 67.5° | 4491.7 | 4617.6 | 4430.4 | 4062.6 | 3439.8 | 3348.8 | 3435.3 | 3553.4 | 3485.1 | 3917.6 | 3588.9 |
| 70°   | 3974.2 | 4112.1 | 4025.0 | 3824.3 | 2865.4 | 2634.7 | 2730.1 | 2908.7 | 2860.5 | 3484.3 | 3086.0 |
| 72.5° | 2981.7 | 3159.0 | 3176.2 | 3301.6 | 2274.7 | 1982.9 | 1996.7 | 1991.8 | 2075.0 | 2809.6 | 2408.1 |
| 75°   | 1915.4 | 2053.3 | 2239.7 | 2664.2 | 1728.0 | 1447.7 | 1315.3 | 1282.9 | 1438.1 | 2195.4 | 1724.0 |
| 77.5° | 1111.9 | 1128.3 | 1214.4 | 2010.0 | 1237.6 | 1043.1 | 952.9  | 999.0  | 1053.3 | 1532.2 | 1142.7 |
| 80°   | 531.8  | 540.2  | 575.6  | 1034.2 | 859.8  | 902.8  | 833.2  | 885.1  | 723.2  | 880.7  | 648.4  |
| 82.5° | 168.7  | 170.5  | 176.5  | 508.1  | 533.9  | 598.1  | 383.2  | 513.9  | 447.1  | 532.4  | 431.7  |
| 85°   | 28.2   | 48.0   | 59.2   | 146.8  | 301.4  | 201.8  | 83.2   | 183.3  | 249.5  | 335.8  | 196.1  |
| 87.5° | 0.0    | 0.0    | 0.0    | 2.6    | 24.5   | 11.5   | 1.8    | 10.4   | 38.3   | 74.8   | 8.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 551.1  | 551.1  | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 |
| 2.5°  | 730.8  | 748.7  | 681.0 | 620.2 | 635.6 | 623.3 | 604.8 | 573.3 | 500.3 | 554.0 | 550.3 |
| 5°    | 940.4  | 907.0  | 815.2 | 772.5 | 720.3 | 640.8 | 631.2 | 570.2 | 543.3 | 547.7 | 543.8 |
| 7.5°  | 1013.4 | 953.7  | 872.6 | 743.8 | 621.5 | 506.8 | 471.6 | 431.7 | 423.6 | 440.9 | 452.1 |
| 10°   | 956.0  | 892.7  | 821.7 | 661.7 | 567.6 | 484.7 | 397.8 | 342.0 | 311.8 | 308.2 | 311.3 |
| 12.5° | 982.3  | 914.0  | 768.0 | 645.5 | 547.2 | 472.1 | 375.2 | 290.9 | 225.2 | 230.2 | 217.2 |
| 15°   | 1000.6 | 922.1  | 755.3 | 611.6 | 505.2 | 404.9 | 288.1 | 203.9 | 150.2 | 134.5 | 125.1 |
| 17.5° | 1107.7 | 995.6  | 739.1 | 572.5 | 446.6 | 315.2 | 180.9 | 118.1 | 100.6 | 95.2  | 90.7  |
| 20°   | 1245.4 | 1086.1 | 738.8 | 531.3 | 360.0 | 197.1 | 112.9 | 85.5  | 81.3  | 84.5  | 81.1  |
| 22.5° | 1405.5 | 1206.5 | 778.2 | 480.0 | 258.4 | 124.4 | 87.9  | 75.9  | 71.7  | 74.3  | 74.6  |
| 25°   | 1566.6 | 1387.2 | 810.3 | 431.2 | 179.9 | 95.4  | 78.2  | 69.9  | 65.2  | 67.5  | 66.2  |
| 27.5° | 1857.5 | 1536.9 | 803.0 | 368.9 | 132.4 | 83.9  | 72.7  | 65.4  | 58.4  | 62.0  | 61.8  |
| 30°   | 2047.8 | 1801.0 | 831.4 | 281.6 | 105.1 | 73.5  | 67.8  | 59.7  | 52.1  | 56.3  | 56.1  |
| 32.5° | 2275.4 | 1914.4 | 862.2 | 216.1 | 87.3  | 69.6  | 61.0  | 53.2  | 48.8  | 51.4  | 50.8  |
| 35°   | 2531.2 | 2138.6 | 805.6 | 179.9 | 75.9  | 62.8  | 54.0  | 48.0  | 44.1  | 45.4  | 45.4  |
| 37.5° | 2983.0 | 2326.0 | 771.7 | 146.5 | 70.7  | 56.8  | 50.6  | 43.3  | 40.9  | 40.9  | 42.2  |
| 40°   | 3239.5 | 2612.3 | 670.5 | 116.0 | 72.2  | 52.4  | 47.2  | 39.6  | 36.5  | 36.2  | 37.5  |
| 42.5° | 3573.2 | 2777.3 | 607.2 | 93.9  | 65.4  | 51.1  | 43.3  | 36.0  | 32.3  | 32.1  | 33.4  |
| 45°   | 3771.1 | 2869.6 | 518.0 | 73.8  | 58.7  | 59.4  | 40.1  | 33.1  | 27.6  | 26.6  | 28.9  |
| 47.5° | 3896.0 | 2991.9 | 467.4 | 58.7  | 51.1  | 59.2  | 39.1  | 28.7  | 23.2  | 21.9  | 24.0  |
| 50°   | 3959.3 | 3052.3 | 457.5 | 50.3  | 44.3  | 52.9  | 44.8  | 24.0  | 19.8  | 18.0  | 19.8  |
| 52.5° | 4025.3 | 3150.6 | 461.2 | 46.4  | 39.1  | 42.5  | 42.5  | 20.6  | 17.5  | 15.4  | 16.7  |
| 55°   | 4158.5 | 3295.8 | 453.1 | 44.1  | 36.0  | 32.3  | 27.4  | 18.2  | 15.9  | 13.6  | 14.9  |
| 57.5° | 4322.2 | 3400.1 | 453.1 | 42.0  | 33.4  | 27.6  | 21.9  | 16.9  | 14.6  | 11.7  | 12.8  |
| 60°   | 4291.2 | 3290.4 | 430.7 | 39.9  | 31.3  | 25.8  | 19.8  | 15.6  | 13.6  | 10.7  | 11.5  |
| 62.5° | 4078.2 | 2991.9 | 348.8 | 36.8  | 29.5  | 24.5  | 18.0  | 14.9  | 12.8  | 9.4   | 10.2  |
| 65°   | 3827.9 | 2674.8 | 242.5 | 33.4  | 27.4  | 22.2  | 16.2  | 14.1  | 11.7  | 8.3   | 8.9   |
| 67.5° | 3526.6 | 2297.1 | 134.5 | 30.0  | 25.3  | 19.3  | 14.9  | 13.8  | 11.2  | 7.6   | 8.1   |
| 70°   | 3003.6 | 1734.2 | 72.2  | 27.4  | 23.7  | 17.7  | 14.1  | 13.8  | 11.2  | 7.3   | 7.6   |
| 72.5° | 2254.8 | 1092.1 | 42.2  | 25.0  | 21.6  | 16.4  | 13.3  | 14.1  | 10.9  | 7.0   | 7.0   |
| 75°   | 1534.3 | 663.0  | 30.2  | 21.4  | 19.3  | 13.8  | 12.8  | 13.6  | 11.2  | 7.0   | 6.5   |
| 77.5° | 1043.1 | 465.9  | 24.8  | 19.3  | 17.5  | 12.3  | 13.0  | 13.6  | 11.2  | 5.7   | 4.4   |
| 80°   | 651.2  | 240.4  | 18.8  | 15.4  | 15.1  | 10.7  | 13.0  | 11.7  | 7.3   | 1.3   | 0.0   |
| 82.5° | 455.5  | 89.4   | 10.9  | 11.7  | 11.7  | 7.6   | 10.2  | 8.3   | 4.2   | 0.0   | 0.0   |
| 85°   | 191.1  | 15.4   | 6.0   | 8.3   | 7.3   | 4.4   | 8.1   | 6.3   | 2.6   | 0.0   | 0.0   |
| 87.5° | 3.4    | 0.0    | 2.3   | 5.0   | 5.2   | 2.6   | 4.2   | 2.6   | 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   |

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**CANDELA DISTRIBUTION (continued):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 |
| 2.5°  | 567.6 | 542.8 | 490.6 | 515.7 | 513.1 | 524.5 | 525.6 | 499.0 | 556.3 | 591.8 | 597.0 |
| 5°    | 544.4 | 527.7 | 524.8 | 510.5 | 506.8 | 527.9 | 516.5 | 515.7 | 543.3 | 583.7 | 584.0 |
| 7.5°  | 452.3 | 439.5 | 445.5 | 428.9 | 385.8 | 388.5 | 392.4 | 408.8 | 432.5 | 459.1 | 468.7 |
| 10°   | 310.5 | 343.6 | 319.4 | 317.3 | 312.8 | 299.0 | 288.1 | 296.7 | 327.4 | 352.0 | 361.1 |
| 12.5° | 221.6 | 226.8 | 241.7 | 236.2 | 243.8 | 232.0 | 227.6 | 254.4 | 284.4 | 309.5 | 327.4 |
| 15°   | 129.6 | 138.4 | 147.3 | 166.1 | 173.6 | 171.3 | 184.8 | 207.3 | 231.5 | 243.0 | 265.1 |
| 17.5° | 91.2  | 92.0  | 93.9  | 114.2 | 127.5 | 132.7 | 140.8 | 157.7 | 167.6 | 172.8 | 182.0 |
| 20°   | 79.8  | 77.4  | 74.3  | 85.8  | 98.3  | 104.8 | 102.5 | 115.8 | 123.8 | 129.0 | 135.6 |
| 22.5° | 72.2  | 68.3  | 66.5  | 70.4  | 80.0  | 85.8  | 86.8  | 94.6  | 106.9 | 110.5 | 112.6 |
| 25°   | 65.2  | 62.6  | 61.3  | 63.4  | 68.6  | 74.0  | 75.1  | 85.3  | 96.2  | 97.8  | 101.9 |
| 27.5° | 60.5  | 55.5  | 56.1  | 57.6  | 60.0  | 66.7  | 68.8  | 74.6  | 90.5  | 92.3  | 93.6  |
| 30°   | 55.5  | 50.3  | 51.9  | 53.4  | 52.4  | 60.7  | 63.9  | 70.4  | 85.8  | 88.6  | 90.2  |
| 32.5° | 50.6  | 46.7  | 46.4  | 48.0  | 49.8  | 54.2  | 61.0  | 68.6  | 82.6  | 86.6  | 90.5  |
| 35°   | 45.1  | 42.0  | 42.5  | 42.8  | 45.1  | 50.8  | 55.8  | 59.7  | 69.3  | 71.4  | 72.7  |
| 37.5° | 41.2  | 38.6  | 38.1  | 40.7  | 43.0  | 47.4  | 49.3  | 51.1  | 63.9  | 68.6  | 68.8  |
| 40°   | 36.5  | 34.9  | 34.9  | 36.8  | 42.0  | 41.5  | 43.8  | 49.5  | 61.8  | 66.7  | 67.3  |
| 42.5° | 33.1  | 31.0  | 31.5  | 33.4  | 37.0  | 34.4  | 39.1  | 47.4  | 61.0  | 66.0  | 65.7  |
| 45°   | 27.9  | 27.4  | 28.4  | 30.0  | 31.5  | 29.2  | 36.5  | 45.4  | 58.4  | 64.9  | 63.1  |
| 47.5° | 23.2  | 23.2  | 24.5  | 26.1  | 25.3  | 26.1  | 33.1  | 42.5  | 56.8  | 62.8  | 61.5  |
| 50°   | 19.0  | 19.3  | 20.6  | 23.2  | 20.9  | 22.9  | 29.7  | 39.6  | 54.2  | 60.7  | 59.7  |
| 52.5° | 16.2  | 16.4  | 17.2  | 19.0  | 18.0  | 20.9  | 27.4  | 36.8  | 51.6  | 57.1  | 56.6  |
| 55°   | 14.1  | 14.6  | 14.6  | 15.6  | 16.2  | 19.6  | 24.8  | 33.9  | 47.7  | 53.7  | 52.7  |
| 57.5° | 12.5  | 13.0  | 12.8  | 13.6  | 14.1  | 17.2  | 22.2  | 30.8  | 43.8  | 48.8  | 47.2  |
| 60°   | 11.2  | 11.7  | 11.5  | 12.5  | 12.3  | 14.9  | 19.3  | 27.4  | 39.6  | 43.5  | 42.2  |
| 62.5° | 9.9   | 10.4  | 10.4  | 10.9  | 11.2  | 12.5  | 16.7  | 24.2  | 35.5  | 38.6  | 37.5  |
| 65°   | 8.9   | 9.4   | 9.6   | 9.4   | 9.9   | 10.7  | 14.1  | 21.9  | 30.8  | 33.9  | 32.3  |
| 67.5° | 8.1   | 8.6   | 9.1   | 8.1   | 8.6   | 8.9   | 12.0  | 19.6  | 27.1  | 29.7  | 28.4  |
| 70°   | 7.8   | 8.1   | 8.1   | 7.0   | 6.8   | 7.0   | 10.4  | 16.7  | 23.7  | 26.3  | 24.5  |
| 72.5° | 7.3   | 7.6   | 7.3   | 5.7   | 5.0   | 5.5   | 8.9   | 14.1  | 20.1  | 22.2  | 20.6  |
| 75°   | 6.8   | 7.0   | 6.8   | 4.7   | 3.1   | 3.9   | 7.3   | 12.3  | 17.2  | 18.2  | 17.5  |
| 77.5° | 5.7   | 6.3   | 6.3   | 3.4   | 1.0   | 2.3   | 5.5   | 9.9   | 14.3  | 14.3  | 14.6  |
| 80°   | 0.5   | 1.6   | 2.6   | 1.8   | 0.0   | 0.3   | 1.8   | 5.2   | 9.1   | 8.9   | 9.6   |
| 82.5° | 0.0   | 0.0   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 3.1   | 2.3   | 2.6   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 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   |

REPORT NUMBER: P366917

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**CANDELA DISTRIBUTION (continued):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°   | 355°   | 359°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1 | 551.1  | 551.1  | 551.1  | 551.1  |
| 2.5°  | 584.8 | 576.7 | 586.8 | 617.9 | 605.4 | 607.7 | 599.4  | 650.7  | 708.9  | 710.7  |
| 5°    | 584.5 | 577.2 | 592.3 | 591.0 | 626.7 | 665.6 | 703.1  | 763.9  | 849.9  | 850.4  |
| 7.5°  | 464.3 | 507.6 | 518.8 | 515.4 | 561.3 | 614.7 | 672.6  | 788.9  | 859.5  | 867.1  |
| 10°   | 418.7 | 437.5 | 460.4 | 468.7 | 487.8 | 538.6 | 604.1  | 735.7  | 815.0  | 832.4  |
| 12.5° | 362.9 | 422.9 | 453.4 | 512.5 | 523.5 | 530.8 | 634.0  | 748.5  | 796.7  | 794.6  |
| 15°   | 300.6 | 352.7 | 401.0 | 473.2 | 502.9 | 579.5 | 660.9  | 810.8  | 839.5  | 867.1  |
| 17.5° | 212.7 | 252.1 | 326.1 | 402.0 | 492.7 | 576.2 | 734.9  | 922.1  | 976.3  | 1009.2 |
| 20°   | 142.3 | 161.4 | 228.4 | 328.8 | 443.7 | 526.6 | 765.2  | 1022.7 | 1081.9 | 1110.3 |
| 22.5° | 115.5 | 124.6 | 159.3 | 240.9 | 379.1 | 524.3 | 777.4  | 1132.5 | 1291.5 | 1329.3 |
| 25°   | 101.7 | 107.9 | 126.4 | 178.3 | 314.7 | 513.9 | 845.2  | 1256.1 | 1448.0 | 1478.5 |
| 27.5° | 88.9  | 98.3  | 112.1 | 147.0 | 269.8 | 506.6 | 879.6  | 1463.6 | 1692.5 | 1722.5 |
| 30°   | 85.0  | 96.5  | 109.8 | 134.0 | 238.5 | 478.4 | 934.4  | 1650.8 | 1868.0 | 1921.4 |
| 32.5° | 91.8  | 95.7  | 102.2 | 122.8 | 214.3 | 448.7 | 1030.6 | 1874.5 | 2013.2 | 2082.8 |
| 35°   | 72.7  | 79.8  | 91.2  | 112.6 | 204.1 | 447.1 | 1085.1 | 2018.4 | 2246.0 | 2289.0 |
| 37.5° | 71.2  | 77.7  | 92.6  | 109.8 | 216.4 | 459.1 | 1165.9 | 2313.2 | 2665.7 | 2753.8 |
| 40°   | 69.1  | 77.4  | 91.5  | 108.5 | 216.4 | 470.8 | 1217.5 | 2549.2 | 2948.1 | 3037.5 |
| 42.5° | 68.3  | 79.0  | 91.2  | 113.9 | 209.6 | 477.4 | 1295.4 | 2784.6 | 3246.3 | 3317.0 |
| 45°   | 67.8  | 80.6  | 92.0  | 120.4 | 208.0 | 498.7 | 1339.5 | 2899.0 | 3438.2 | 3519.3 |
| 47.5° | 66.5  | 80.6  | 102.7 | 116.5 | 199.4 | 496.6 | 1396.6 | 3068.8 | 3552.6 | 3620.9 |
| 50°   | 65.4  | 81.1  | 116.3 | 109.2 | 200.7 | 483.9 | 1474.0 | 3228.1 | 3713.0 | 3761.7 |
| 52.5° | 63.1  | 82.9  | 114.2 | 99.1  | 196.8 | 482.6 | 1589.5 | 3454.6 | 3923.9 | 3959.6 |
| 55°   | 57.9  | 80.6  | 103.2 | 86.6  | 183.0 | 467.7 | 1742.6 | 3749.2 | 4216.4 | 4222.7 |
| 57.5° | 53.2  | 74.8  | 86.3  | 79.5  | 153.3 | 469.5 | 1874.5 | 4020.3 | 4477.1 | 4506.3 |
| 60°   | 48.5  | 77.7  | 67.0  | 74.0  | 127.0 | 436.2 | 1938.3 | 4124.1 | 4666.9 | 4709.7 |
| 62.5° | 44.1  | 71.7  | 57.1  | 68.0  | 113.1 | 405.1 | 1894.0 | 4040.7 | 4691.1 | 4780.8 |
| 65°   | 39.1  | 49.8  | 48.2  | 61.0  | 114.4 | 361.6 | 1745.9 | 3796.4 | 4599.1 | 4722.7 |
| 67.5° | 33.6  | 39.1  | 42.5  | 52.7  | 122.5 | 324.3 | 1492.0 | 3404.3 | 4351.7 | 4491.7 |
| 70°   | 29.5  | 35.2  | 37.0  | 46.1  | 127.5 | 299.8 | 1177.3 | 2860.2 | 3844.9 | 3974.2 |
| 72.5° | 24.5  | 32.6  | 33.1  | 40.4  | 122.8 | 275.6 | 839.0  | 2053.3 | 2919.6 | 2981.7 |
| 75°   | 21.1  | 27.1  | 30.0  | 33.9  | 103.2 | 205.7 | 462.2  | 1270.9 | 1846.1 | 1915.4 |
| 77.5° | 19.0  | 20.6  | 22.7  | 23.5  | 43.8  | 107.2 | 159.0  | 783.7  | 1033.7 | 1111.9 |
| 80°   | 14.6  | 16.2  | 15.6  | 16.2  | 24.0  | 37.0  | 60.5   | 367.3  | 488.3  | 531.8  |
| 82.5° | 4.7   | 7.8   | 8.6   | 7.3   | 15.6  | 18.2  | 17.5   | 127.0  | 158.8  | 168.7  |
| 85°   | 1.0   | 2.9   | 1.3   | 0.0   | 5.2   | 9.4   | 1.3    | 19.3   | 38.1   | 28.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 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    |

(END OF REPORT)