

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: P151612

Luminaire Tested: **VXS-E05-LED-E1-SL4-HSS-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P151612  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E05-LED-E1-SL4-HSS-7060  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (105) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10439.7 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G3

Input Watts (W): 127.3  
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: 25 FT



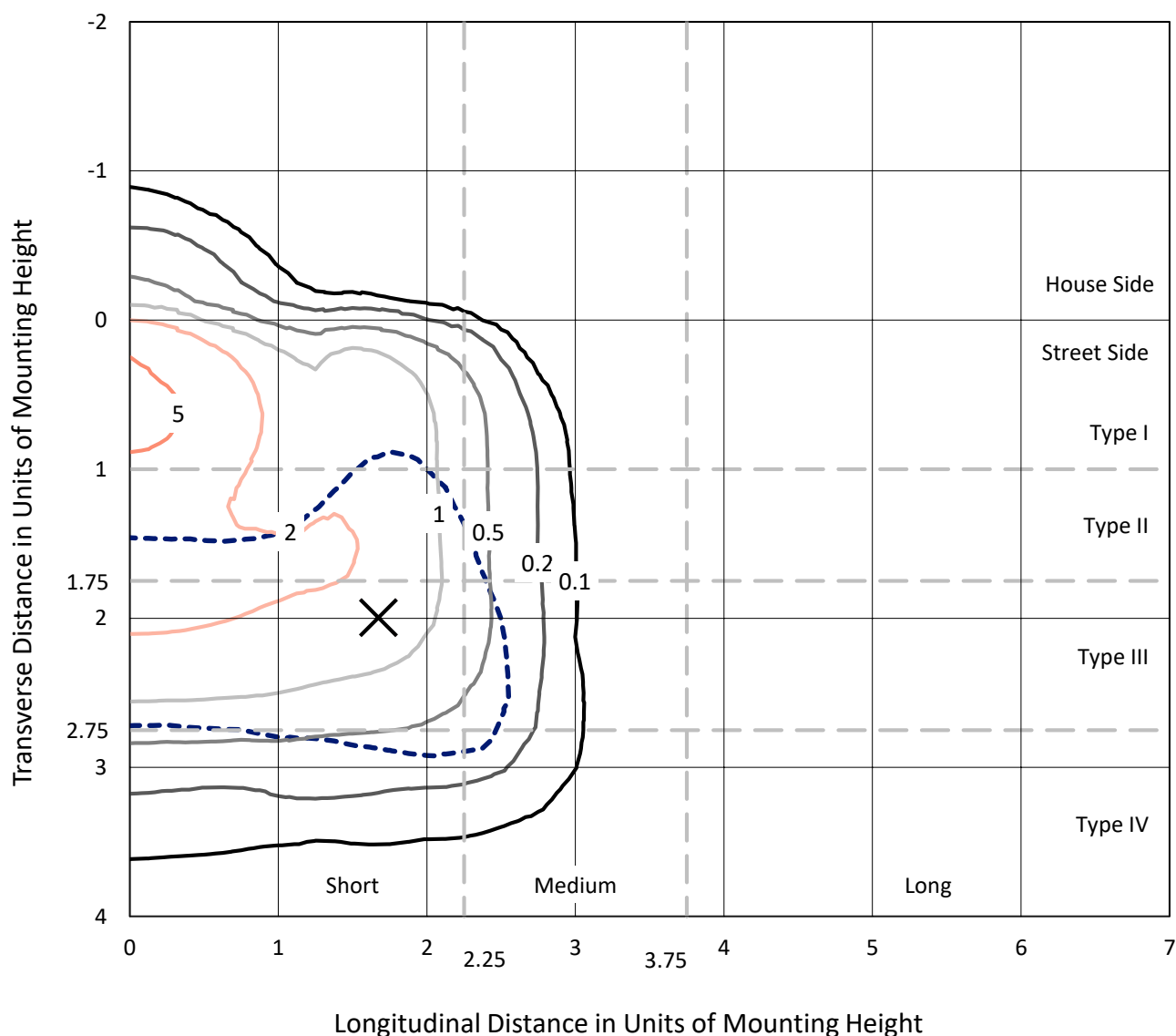
REPORT NUMBER: P151612

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

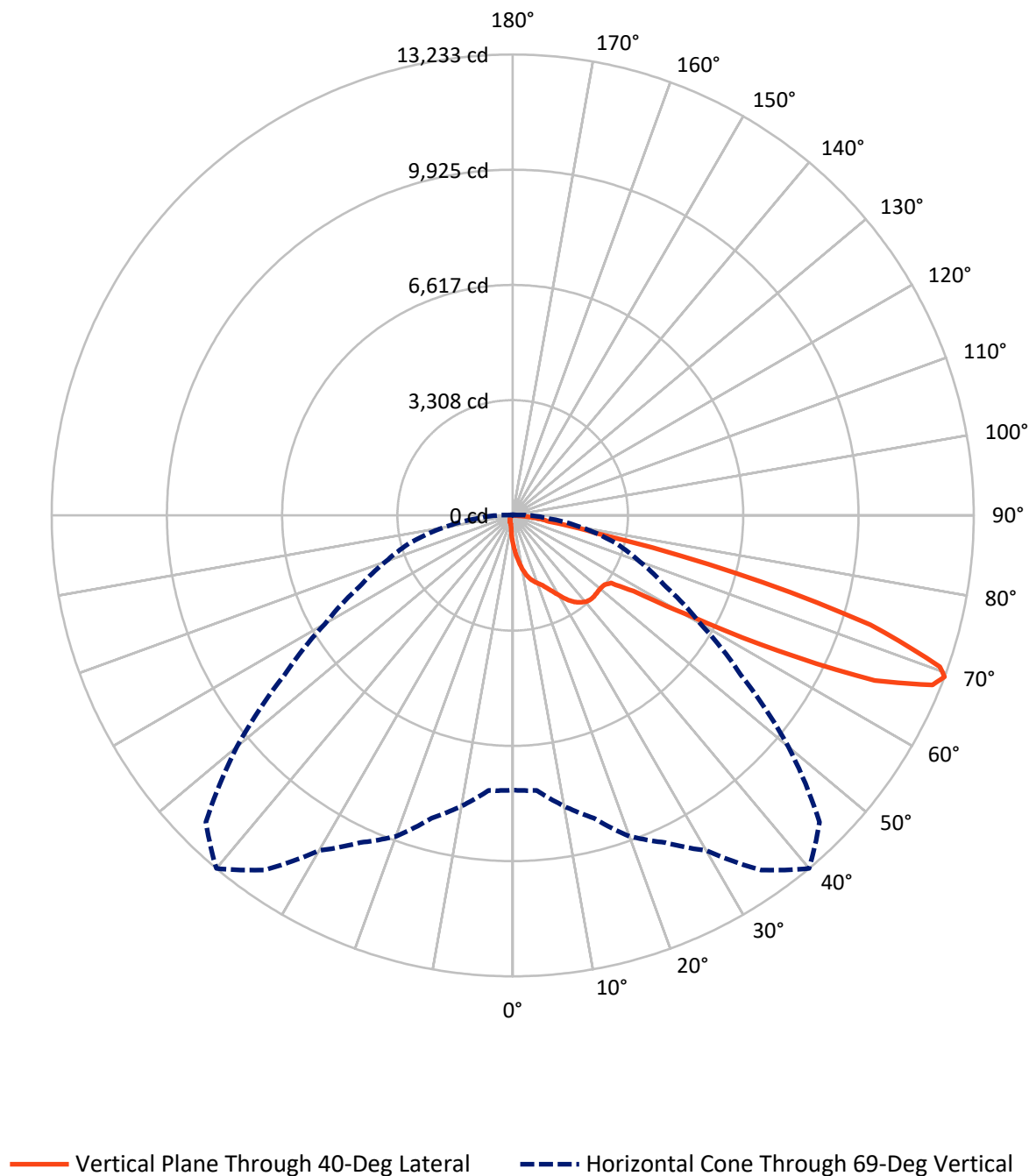


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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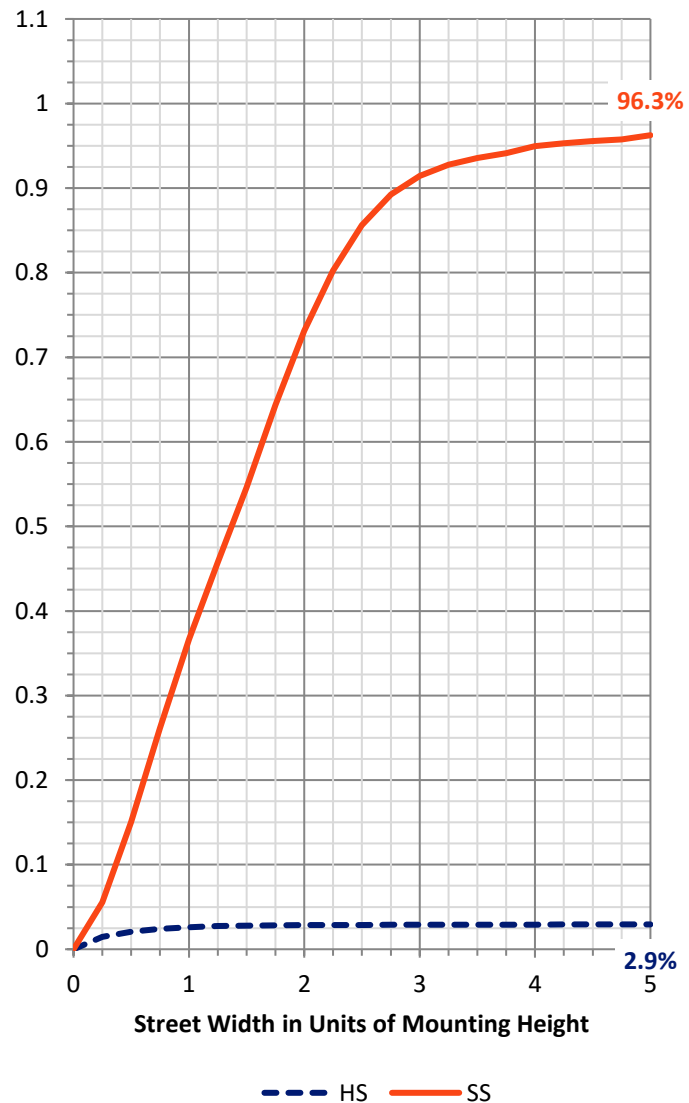
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 310.9    | 0.0    | 310.9   |
|                    | % Fixture | 3.0      | 0.0    | 3.0     |
| <b>Street Side</b> | Lumens    | 10128.8  | 0.0    | 10128.8 |
|                    | % Fixture | 97.0     | 0.0    | 97.0    |
| <b>Total</b>       | Lumens    | 10439.7  | 0.0    | 10439.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 81.0    | 0.8       |
| 10°-20°   | 279.4   | 2.7       |
| 20°-30°   | 534.7   | 5.1       |
| 30°-40°   | 889.3   | 8.5       |
| 40°-50°   | 1203.3  | 11.5      |
| 50°-60°   | 1881.9  | 18.0      |
| 60°-70°   | 3869.1  | 37.1      |
| 70°-80°   | 1556.9  | 14.9      |
| 80°-90°   | 144.0   | 1.4       |
| 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°    | 10439.7 | 100.0     |
| 0°-180°   | 10439.7 | 100.0     |

**Coefficient of Utilization**



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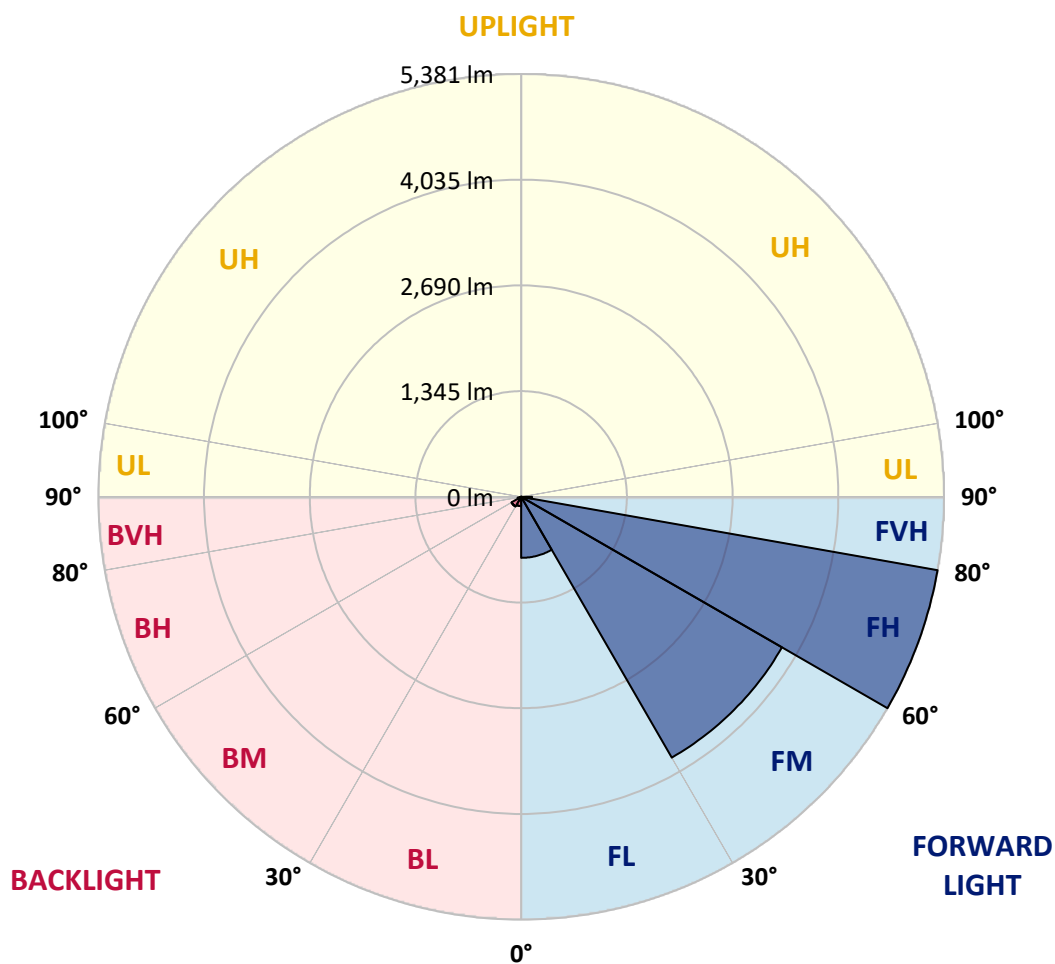
CATALOG NUMBER: VXS-E05-LED-E1-SL4-HSS-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 776.9  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 3832.5 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 5380.6 | 51.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 138.7  | 1.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 118.2  | 1.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 142.0  | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 45.4   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 5.4    | 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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 788.4   | 788.4   | 788.4   | 788.4   | 788.4   | 788.4   | 788.4   | 788.4   | 788.4   | 788.4   | 788.4   |
| 2.5°  | 1051.7  | 1039.8  | 1026.1  | 1026.1  | 1009.0  | 1009.0  | 998.8   | 971.4   | 968.0   | 952.5   | 937.2   |
| 5°    | 1342.5  | 1332.2  | 1315.1  | 1299.7  | 1286.0  | 1262.1  | 1245.0  | 1212.5  | 1176.6  | 1142.4  | 1111.6  |
| 7.5°  | 1626.4  | 1621.2  | 1590.5  | 1585.3  | 1563.1  | 1523.7  | 1489.5  | 1441.7  | 1380.1  | 1332.2  | 1275.8  |
| 10°   | 1889.7  | 1877.8  | 1870.9  | 1841.9  | 1809.3  | 1766.6  | 1713.6  | 1655.4  | 1583.6  | 1508.4  | 1428.0  |
| 12.5° | 2098.3  | 2091.5  | 2060.7  | 2048.8  | 2014.6  | 1971.8  | 1905.2  | 1829.8  | 1758.0  | 1660.6  | 1566.5  |
| 15°   | 2254.0  | 2242.1  | 2221.6  | 2202.7  | 2161.7  | 2124.0  | 2062.5  | 1980.4  | 1893.2  | 1787.2  | 1674.3  |
| 17.5° | 2383.9  | 2361.8  | 2356.6  | 2327.6  | 2284.8  | 2240.3  | 2171.9  | 2096.7  | 1994.1  | 1888.1  | 1764.9  |
| 20°   | 2558.4  | 2527.7  | 2517.4  | 2474.6  | 2425.1  | 2363.4  | 2284.8  | 2190.8  | 2083.0  | 1966.7  | 1840.1  |
| 22.5° | 2763.6  | 2741.5  | 2719.2  | 2681.6  | 2618.2  | 2531.1  | 2416.5  | 2313.9  | 2177.1  | 2048.8  | 1912.0  |
| 25°   | 3054.4  | 3035.5  | 2999.7  | 2948.4  | 2869.6  | 2765.4  | 2626.8  | 2476.4  | 2315.5  | 2151.4  | 1990.7  |
| 27.5° | 3336.6  | 3319.5  | 3293.8  | 3254.5  | 3165.5  | 3051.0  | 2879.9  | 2688.4  | 2484.9  | 2286.5  | 2108.6  |
| 30°   | 3601.7  | 3586.2  | 3560.6  | 3521.2  | 3442.6  | 3329.7  | 3136.5  | 2931.2  | 2678.1  | 2447.3  | 2233.5  |
| 32.5° | 3887.3  | 3882.1  | 3853.1  | 3796.6  | 3728.2  | 3576.0  | 3365.6  | 3145.0  | 2888.5  | 2621.7  | 2372.0  |
| 35°   | 4210.5  | 4171.1  | 4143.7  | 4087.4  | 3971.0  | 3808.6  | 3562.3  | 3321.1  | 3051.0  | 2777.3  | 2498.5  |
| 37.5° | 4484.0  | 4446.4  | 4412.2  | 4340.4  | 4198.4  | 3991.5  | 3712.7  | 3447.7  | 3168.9  | 2890.2  | 2606.3  |
| 40°   | 4684.1  | 4665.4  | 4624.4  | 4530.3  | 4371.2  | 4125.0  | 3823.9  | 3534.9  | 3254.5  | 2974.0  | 2693.6  |
| 42.5° | 4833.0  | 4803.8  | 4757.7  | 4660.2  | 4472.1  | 4191.6  | 3868.4  | 3570.9  | 3293.8  | 3025.3  | 2749.9  |
| 45°   | 4887.7  | 4863.7  | 4821.0  | 4714.9  | 4511.4  | 4210.5  | 3866.7  | 3560.6  | 3295.5  | 3040.7  | 2787.6  |
| 47.5° | 4855.2  | 4831.3  | 4793.6  | 4694.4  | 4494.3  | 4188.2  | 3836.0  | 3531.5  | 3278.4  | 3045.8  | 2821.8  |
| 50°   | 4747.5  | 4733.8  | 4704.7  | 4620.9  | 4441.3  | 4145.5  | 3808.6  | 3516.2  | 3275.0  | 3071.5  | 2869.6  |
| 52.5° | 4737.2  | 4728.6  | 4692.7  | 4608.9  | 4425.9  | 4131.8  | 3805.2  | 3524.7  | 3304.0  | 3103.9  | 2903.8  |
| 55°   | 5788.9  | 5667.6  | 5395.6  | 5164.8  | 4785.1  | 4333.6  | 3977.8  | 3663.2  | 3427.2  | 3232.2  | 3092.0  |
| 57.5° | 8227.7  | 8046.4  | 7688.9  | 7249.4  | 6377.2  | 5520.4  | 4834.7  | 4338.8  | 4094.2  | 4005.2  | 4058.2  |
| 60°   | 9370.1  | 9337.5  | 9281.1  | 9072.4  | 8626.1  | 7889.0  | 7068.2  | 6180.6  | 5824.9  | 5794.1  | 5901.9  |
| 62.5° | 9912.2  | 9891.6  | 9908.8  | 9883.1  | 9744.6  | 9529.1  | 9293.1  | 8910.1  | 8557.7  | 8330.3  | 7848.0  |
| 65°   | 10161.9 | 10175.5 | 10273.1 | 10349.9 | 10367.0 | 10423.5 | 10596.3 | 11073.4 | 11422.3 | 10835.6 | 9496.6  |
| 67.5° | 9527.4  | 9607.8  | 9831.8  | 10112.2 | 10440.6 | 10758.8 | 11271.8 | 12277.3 | 12993.9 | 12304.7 | 10403.0 |
| 69°   | 7887.4  | 7926.6  | 8473.9  | 9002.4  | 9804.5  | 10365.4 | 11109.3 | 12427.9 | 13233.4 | 12455.2 | 10331.2 |
| 70°   | 6209.6  | 6245.6  | 6832.1  | 7550.5  | 8906.6  | 9628.3  | 10601.3 | 12173.1 | 13009.3 | 12255.1 | 9961.8  |
| 72.5° | 2801.2  | 2749.9  | 2956.9  | 3341.7  | 4815.9  | 5961.7  | 7663.3  | 9862.6  | 10733.1 | 9818.1  | 7453.0  |
| 75°   | 1956.5  | 1934.2  | 1956.5  | 1958.1  | 2187.4  | 2821.8  | 3560.6  | 5346.0  | 6611.5  | 5705.2  | 3560.6  |
| 77.5° | 1515.2  | 1499.8  | 1484.5  | 1467.4  | 1494.7  | 1674.3  | 1746.1  | 1896.6  | 2462.7  | 2329.2  | 1357.9  |
| 80°   | 1198.9  | 1185.2  | 1222.8  | 1210.8  | 1210.8  | 1231.3  | 1217.6  | 1161.2  | 1055.1  | 978.2   | 875.6   |
| 82.5° | 557.5   | 560.9   | 560.9   | 608.8   | 733.7   | 856.8   | 896.2   | 839.7   | 745.6   | 634.5   | 511.3   |
| 85°   | 53.1    | 59.9    | 100.9   | 155.6   | 309.5   | 348.9   | 350.6   | 290.8   | 290.8   | 229.1   | 184.7   |
| 87.5° | 0.0     | 1.8     | 1.8     | 1.8     | 15.4    | 42.8    | 36.0    | 10.3    | 5.2     | 5.2     | 8.6     |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 788.4  | 788.4  | 788.4  | 788.4  | 788.4  | 788.4  | 788.4  | 788.4 | 788.4 | 788.4 | 788.4 |
| 2.5°  | 909.8  | 904.7  | 884.1  | 863.6  | 844.9  | 824.4  | 805.5  | 786.6 | 766.1 | 750.8 | 731.9 |
| 5°    | 1063.7 | 1026.1 | 983.3  | 942.3  | 901.2  | 858.5  | 814.1  | 774.7 | 733.7 | 696.1 | 660.1 |
| 7.5°  | 1219.4 | 1145.8 | 1087.7 | 1014.1 | 947.5  | 880.7  | 819.2  | 755.9 | 697.7 | 643.0 | 591.7 |
| 10°   | 1351.1 | 1262.1 | 1171.5 | 1077.4 | 981.7  | 892.7  | 807.3  | 731.9 | 655.0 | 588.3 | 525.0 |
| 12.5° | 1458.8 | 1345.9 | 1234.7 | 1116.8 | 1009.0 | 896.2  | 790.1  | 699.5 | 608.8 | 533.6 | 468.6 |
| 15°   | 1556.3 | 1426.3 | 1292.8 | 1156.1 | 1019.3 | 891.0  | 773.0  | 660.1 | 567.8 | 482.3 | 408.7 |
| 17.5° | 1634.9 | 1486.1 | 1335.6 | 1181.8 | 1034.6 | 884.1  | 750.8  | 632.7 | 525.0 | 436.1 | 364.2 |
| 20°   | 1703.3 | 1547.7 | 1385.3 | 1212.5 | 1044.9 | 882.5  | 731.9  | 598.5 | 487.4 | 393.4 | 323.2 |
| 22.5° | 1766.6 | 1611.0 | 1436.6 | 1251.8 | 1060.3 | 880.7  | 714.8  | 573.0 | 454.9 | 360.8 | 290.8 |
| 25°   | 1838.4 | 1674.3 | 1491.3 | 1292.8 | 1087.7 | 887.6  | 704.6  | 552.4 | 425.8 | 330.1 | 265.1 |
| 27.5° | 1918.9 | 1746.1 | 1556.3 | 1344.2 | 1123.6 | 901.2  | 701.1  | 530.2 | 400.2 | 301.0 | 244.6 |
| 30°   | 2031.7 | 1831.6 | 1621.2 | 1395.5 | 1156.1 | 916.7  | 697.7  | 516.5 | 374.5 | 278.8 | 224.0 |
| 32.5° | 2130.9 | 1915.4 | 1693.1 | 1448.5 | 1192.0 | 932.0  | 696.1  | 497.6 | 350.6 | 256.5 | 208.6 |
| 35°   | 2235.2 | 1992.3 | 1754.6 | 1499.8 | 1222.8 | 949.1  | 694.3  | 483.9 | 328.4 | 234.3 | 193.3 |
| 37.5° | 2325.8 | 2057.3 | 1802.5 | 1544.2 | 1257.0 | 964.6  | 696.1  | 472.0 | 307.9 | 215.4 | 179.6 |
| 40°   | 2402.8 | 2124.0 | 1855.5 | 1585.3 | 1292.8 | 988.5  | 697.7  | 460.0 | 287.4 | 198.3 | 167.6 |
| 42.5° | 2471.2 | 2187.4 | 1912.0 | 1631.5 | 1333.9 | 1015.9 | 708.0  | 449.7 | 270.3 | 183.0 | 155.6 |
| 45°   | 2524.2 | 2245.5 | 1973.6 | 1696.5 | 1400.6 | 1060.3 | 726.8  | 442.9 | 253.1 | 169.3 | 145.4 |
| 47.5° | 2579.0 | 2331.0 | 2077.8 | 1799.1 | 1498.1 | 1130.5 | 759.3  | 441.2 | 239.4 | 159.1 | 136.8 |
| 50°   | 2654.2 | 2416.5 | 2170.3 | 1903.4 | 1587.0 | 1202.3 | 798.7  | 442.9 | 222.3 | 148.8 | 128.3 |
| 52.5° | 2708.9 | 2503.7 | 2289.9 | 2084.7 | 1799.1 | 1421.1 | 950.9  | 473.7 | 213.8 | 140.2 | 118.0 |
| 55°   | 3032.1 | 2996.3 | 3001.3 | 3035.5 | 2814.9 | 2418.2 | 1590.5 | 684.0 | 251.4 | 159.1 | 116.3 |
| 57.5° | 4275.4 | 4402.0 | 4475.5 | 4473.8 | 4109.5 | 3408.4 | 2136.0 | 879.1 | 280.5 | 184.7 | 138.5 |
| 60°   | 5910.4 | 5814.6 | 5679.5 | 5346.0 | 4862.1 | 3890.7 | 2389.1 | 945.7 | 242.8 | 147.0 | 126.5 |
| 62.5° | 7355.4 | 6794.5 | 6296.9 | 5756.5 | 5122.0 | 4058.2 | 2440.4 | 940.6 | 212.0 | 111.2 | 88.9  |
| 65°   | 8256.7 | 7247.8 | 6443.9 | 5766.7 | 5019.4 | 3918.0 | 2308.7 | 863.6 | 179.6 | 90.7  | 73.6  |
| 67.5° | 8472.2 | 7003.2 | 5865.9 | 5002.3 | 4193.4 | 3049.2 | 1694.8 | 649.8 | 140.2 | 75.2  | 65.0  |
| 69°   | 8001.9 | 6225.1 | 4860.3 | 3880.4 | 3051.0 | 2023.1 | 1048.3 | 410.5 | 107.8 | 68.4  | 59.9  |
| 70°   | 7360.6 | 5414.4 | 3959.1 | 3114.2 | 2259.2 | 1421.1 | 733.7  | 289.0 | 87.3  | 63.3  | 54.7  |
| 72.5° | 4735.4 | 2844.0 | 1946.2 | 1354.5 | 932.0  | 566.1  | 287.4  | 129.9 | 66.7  | 53.1  | 44.5  |
| 75°   | 1836.7 | 1051.7 | 762.7  | 579.8  | 453.2  | 314.7  | 174.4  | 83.8  | 56.5  | 44.5  | 34.2  |
| 77.5° | 904.7  | 692.6  | 566.1  | 388.2  | 225.7  | 140.2  | 94.1   | 65.0  | 46.2  | 32.5  | 22.3  |
| 80°   | 714.8  | 475.4  | 283.9  | 176.2  | 133.4  | 100.9  | 71.8   | 53.1  | 34.2  | 20.5  | 15.4  |
| 82.5° | 366.0  | 200.1  | 147.0  | 119.7  | 99.2   | 78.7   | 58.1   | 37.6  | 22.3  | 13.7  | 12.0  |
| 85°   | 114.6  | 83.8   | 75.2   | 73.6   | 68.4   | 56.5   | 41.0   | 23.9  | 13.7  | 8.6   | 8.6   |
| 87.5° | 8.6    | 12.0   | 15.4   | 12.0   | 13.7   | 12.0   | 15.4   | 10.3  | 6.8   | 6.8   | 5.2   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 788.4 | 788.4 | 788.4 | 788.4 | 788.4 | 788.4 | 788.4 | 788.4 | 788.4 | 788.4 | 788.4 |
| 2.5°  | 718.2 | 697.7 | 679.0 | 666.9 | 644.8 | 636.2 | 627.7 | 624.2 | 608.8 | 612.2 | 598.5 |
| 5°    | 627.7 | 591.7 | 564.4 | 537.0 | 511.3 | 492.5 | 477.1 | 458.3 | 442.9 | 436.1 | 422.4 |
| 7.5°  | 545.6 | 499.4 | 463.4 | 434.4 | 403.6 | 379.7 | 359.2 | 345.5 | 331.8 | 318.1 | 311.3 |
| 10°   | 473.7 | 424.1 | 383.1 | 354.0 | 325.0 | 304.5 | 289.0 | 278.8 | 270.3 | 265.1 | 263.3 |
| 12.5° | 407.0 | 359.2 | 321.6 | 295.9 | 273.7 | 263.3 | 256.5 | 251.4 | 249.6 | 248.0 | 248.0 |
| 15°   | 355.8 | 307.9 | 278.8 | 259.9 | 249.6 | 244.6 | 242.8 | 239.4 | 236.0 | 234.3 | 234.3 |
| 17.5° | 307.9 | 271.9 | 251.4 | 241.1 | 236.0 | 232.5 | 229.1 | 225.7 | 222.3 | 220.6 | 220.6 |
| 20°   | 275.3 | 246.2 | 236.0 | 229.1 | 224.0 | 220.6 | 215.4 | 212.0 | 210.4 | 208.6 | 206.9 |
| 22.5° | 249.6 | 230.9 | 224.0 | 218.9 | 212.0 | 206.9 | 203.5 | 200.1 | 196.7 | 194.9 | 193.3 |
| 25°   | 230.9 | 218.9 | 213.8 | 206.9 | 200.1 | 194.9 | 189.8 | 184.7 | 181.2 | 179.6 | 176.2 |
| 27.5° | 217.2 | 208.6 | 201.8 | 193.3 | 186.4 | 181.2 | 176.2 | 171.0 | 167.6 | 164.1 | 162.5 |
| 30°   | 205.2 | 196.7 | 188.1 | 181.2 | 172.7 | 167.6 | 160.7 | 155.6 | 153.9 | 150.5 | 147.0 |
| 32.5° | 193.3 | 184.7 | 176.2 | 167.6 | 159.1 | 152.2 | 148.8 | 142.0 | 138.5 | 136.8 | 133.4 |
| 35°   | 179.6 | 171.0 | 160.7 | 153.9 | 145.4 | 138.5 | 133.4 | 128.3 | 124.9 | 121.5 | 119.7 |
| 37.5° | 167.6 | 157.3 | 147.0 | 138.5 | 131.7 | 124.9 | 119.7 | 114.6 | 111.2 | 107.8 | 106.0 |
| 40°   | 153.9 | 143.6 | 133.4 | 124.9 | 118.0 | 112.8 | 107.8 | 102.6 | 99.2  | 97.5  | 97.5  |
| 42.5° | 142.0 | 129.9 | 119.7 | 112.8 | 107.8 | 100.9 | 95.8  | 90.7  | 88.9  | 87.3  | 88.9  |
| 45°   | 129.9 | 118.0 | 109.4 | 102.6 | 97.5  | 90.7  | 85.5  | 82.1  | 80.4  | 82.1  | 83.8  |
| 47.5° | 119.7 | 107.8 | 99.2  | 94.1  | 88.9  | 83.8  | 78.7  | 75.2  | 75.2  | 78.7  | 82.1  |
| 50°   | 109.4 | 97.5  | 90.7  | 87.3  | 82.1  | 77.0  | 70.2  | 68.4  | 70.2  | 73.6  | 77.0  |
| 52.5° | 99.2  | 85.5  | 80.4  | 78.7  | 73.6  | 68.4  | 63.3  | 61.6  | 63.3  | 66.7  | 65.0  |
| 55°   | 88.9  | 75.2  | 73.6  | 71.8  | 66.7  | 59.9  | 54.7  | 54.7  | 54.7  | 53.1  | 49.6  |
| 57.5° | 85.5  | 66.7  | 65.0  | 63.3  | 58.1  | 51.3  | 47.9  | 44.5  | 42.8  | 37.6  | 36.0  |
| 60°   | 88.9  | 59.9  | 59.9  | 56.5  | 51.3  | 44.5  | 39.4  | 34.2  | 30.8  | 27.4  | 27.4  |
| 62.5° | 71.8  | 54.7  | 53.1  | 49.6  | 42.8  | 36.0  | 30.8  | 25.7  | 23.9  | 22.3  | 22.3  |
| 65°   | 58.1  | 49.6  | 46.2  | 41.0  | 36.0  | 29.1  | 23.9  | 20.5  | 18.9  | 18.9  | 20.5  |
| 67.5° | 53.1  | 44.5  | 39.4  | 34.2  | 29.1  | 22.3  | 18.9  | 17.1  | 17.1  | 18.9  | 18.9  |
| 69°   | 49.6  | 41.0  | 36.0  | 30.8  | 25.7  | 20.5  | 17.1  | 17.1  | 17.1  | 17.1  | 18.9  |
| 70°   | 46.2  | 39.4  | 34.2  | 29.1  | 22.3  | 17.1  | 15.4  | 15.4  | 17.1  | 17.1  | 18.9  |
| 72.5° | 36.0  | 30.8  | 29.1  | 23.9  | 17.1  | 15.4  | 13.7  | 15.4  | 15.4  | 17.1  | 17.1  |
| 75°   | 27.4  | 22.3  | 22.3  | 18.9  | 13.7  | 12.0  | 12.0  | 13.7  | 13.7  | 15.4  | 15.4  |
| 77.5° | 18.9  | 15.4  | 15.4  | 13.7  | 12.0  | 10.3  | 10.3  | 12.0  | 13.7  | 13.7  | 15.4  |
| 80°   | 13.7  | 12.0  | 10.3  | 12.0  | 10.3  | 8.6   | 10.3  | 12.0  | 12.0  | 13.7  | 13.7  |
| 82.5° | 10.3  | 10.3  | 10.3  | 10.3  | 8.6   | 8.6   | 10.3  | 10.3  | 12.0  | 13.7  | 13.7  |
| 85°   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   | 10.3  | 10.3  | 12.0  | 12.0  |
| 87.5° | 5.2   | 5.2   | 5.2   | 6.8   | 6.8   | 8.6   | 8.6   | 8.6   | 8.6   | 10.3  | 10.3  |
| 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: P151612

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**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 788.4 | 788.4 | 788.4 | 788.4 |
| 2.5°  | 595.1 | 593.5 | 586.6 | 588.3 |
| 5°    | 417.3 | 407.0 | 413.9 | 412.1 |
| 7.5°  | 306.1 | 304.5 | 302.7 | 306.1 |
| 10°   | 261.7 | 261.7 | 259.9 | 261.7 |
| 12.5° | 246.2 | 246.2 | 246.2 | 246.2 |
| 15°   | 234.3 | 234.3 | 232.5 | 232.5 |
| 17.5° | 220.6 | 220.6 | 220.6 | 218.9 |
| 20°   | 206.9 | 205.2 | 205.2 | 205.2 |
| 22.5° | 191.5 | 189.8 | 189.8 | 189.8 |
| 25°   | 176.2 | 174.4 | 174.4 | 174.4 |
| 27.5° | 160.7 | 159.1 | 157.3 | 157.3 |
| 30°   | 145.4 | 143.6 | 142.0 | 142.0 |
| 32.5° | 129.9 | 128.3 | 126.5 | 126.5 |
| 35°   | 116.3 | 116.3 | 114.6 | 112.8 |
| 37.5° | 104.4 | 104.4 | 104.4 | 104.4 |
| 40°   | 95.8  | 97.5  | 97.5  | 97.5  |
| 42.5° | 90.7  | 92.3  | 94.1  | 95.8  |
| 45°   | 87.3  | 90.7  | 92.3  | 92.3  |
| 47.5° | 85.5  | 87.3  | 88.9  | 88.9  |
| 50°   | 78.7  | 77.0  | 77.0  | 77.0  |
| 52.5° | 63.3  | 59.9  | 58.1  | 56.5  |
| 55°   | 46.2  | 44.5  | 41.0  | 41.0  |
| 57.5° | 32.5  | 32.5  | 30.8  | 30.8  |
| 60°   | 25.7  | 25.7  | 23.9  | 25.7  |
| 62.5° | 22.3  | 22.3  | 22.3  | 22.3  |
| 65°   | 20.5  | 20.5  | 20.5  | 20.5  |
| 67.5° | 20.5  | 20.5  | 20.5  | 20.5  |
| 69°   | 18.9  | 18.9  | 18.9  | 18.9  |
| 70°   | 18.9  | 18.9  | 18.9  | 18.9  |
| 72.5° | 17.1  | 17.1  | 17.1  | 17.1  |
| 75°   | 15.4  | 17.1  | 17.1  | 17.1  |
| 77.5° | 15.4  | 15.4  | 15.4  | 15.4  |
| 80°   | 13.7  | 13.7  | 15.4  | 15.4  |
| 82.5° | 13.7  | 13.7  | 13.7  | 13.7  |
| 85°   | 12.0  | 12.0  | 13.7  | 13.7  |
| 87.5° | 10.3  | 10.3  | 12.0  | 12.0  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)