

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: P150478

Luminaire Tested: **VXS-E06-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P150478  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E06-LED-E1-SL3-HSS-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8780 lumens  
Efficiency: N/A  
Efficacy: 58.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 150.5  
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



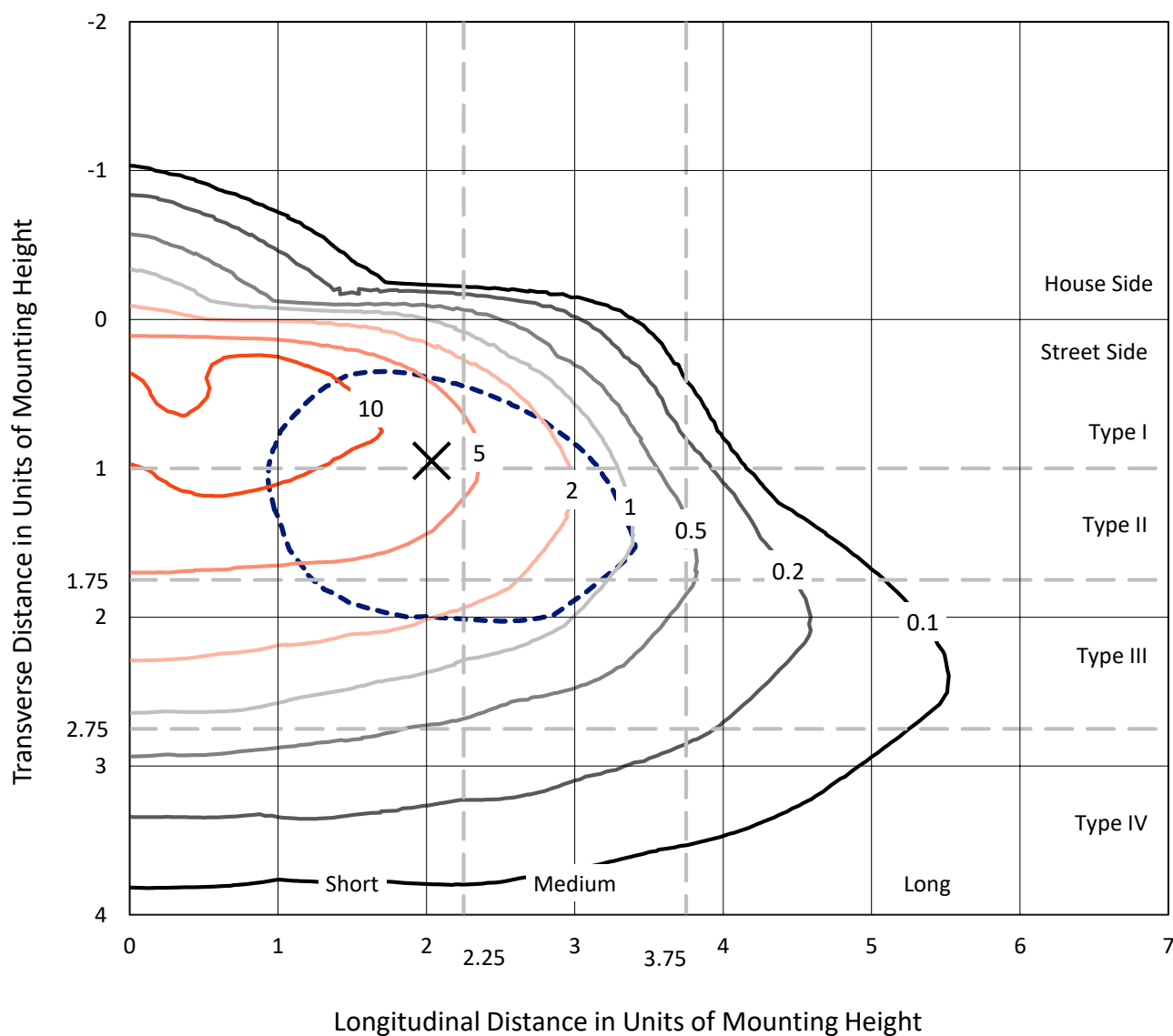
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

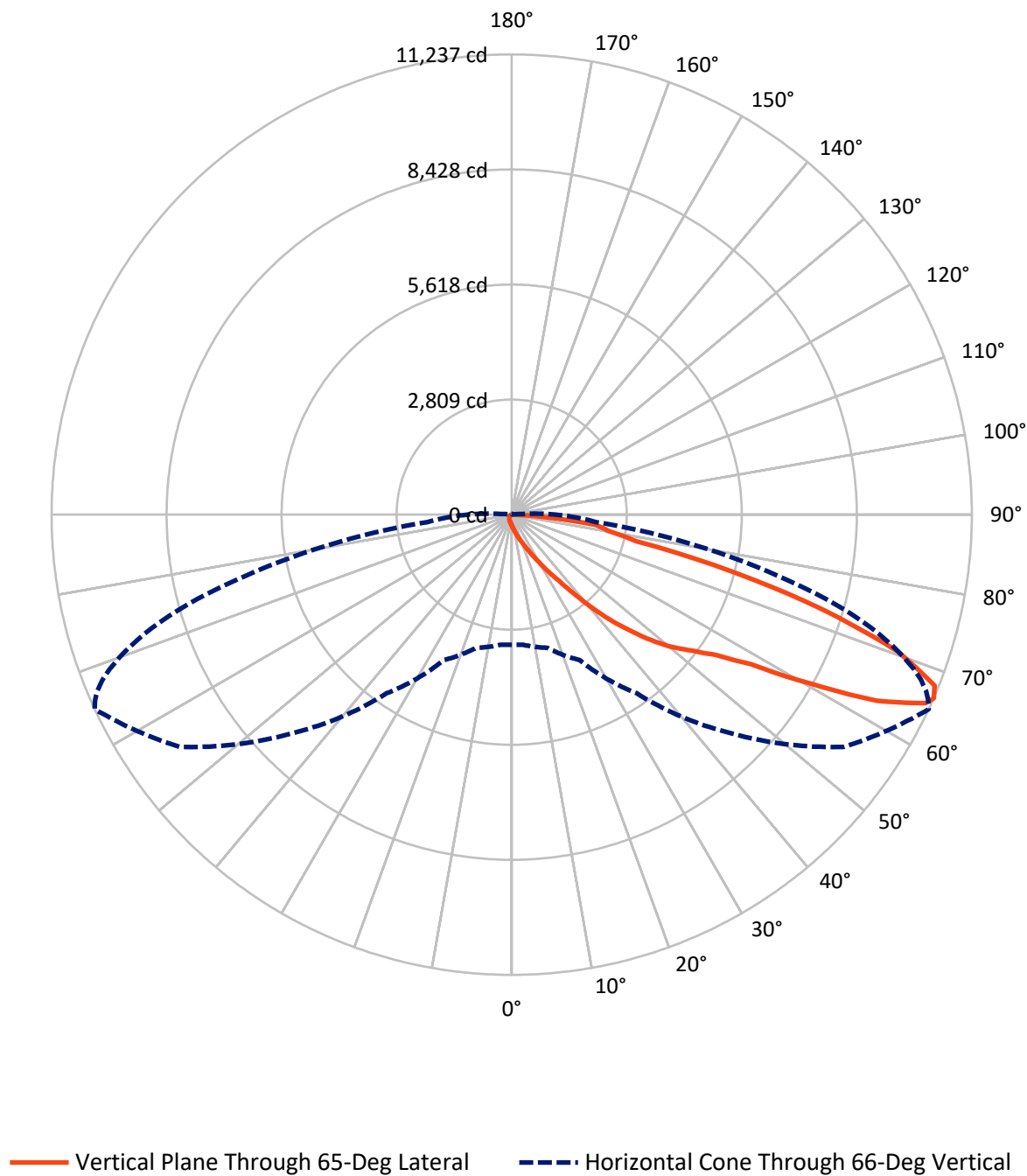


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc  
 Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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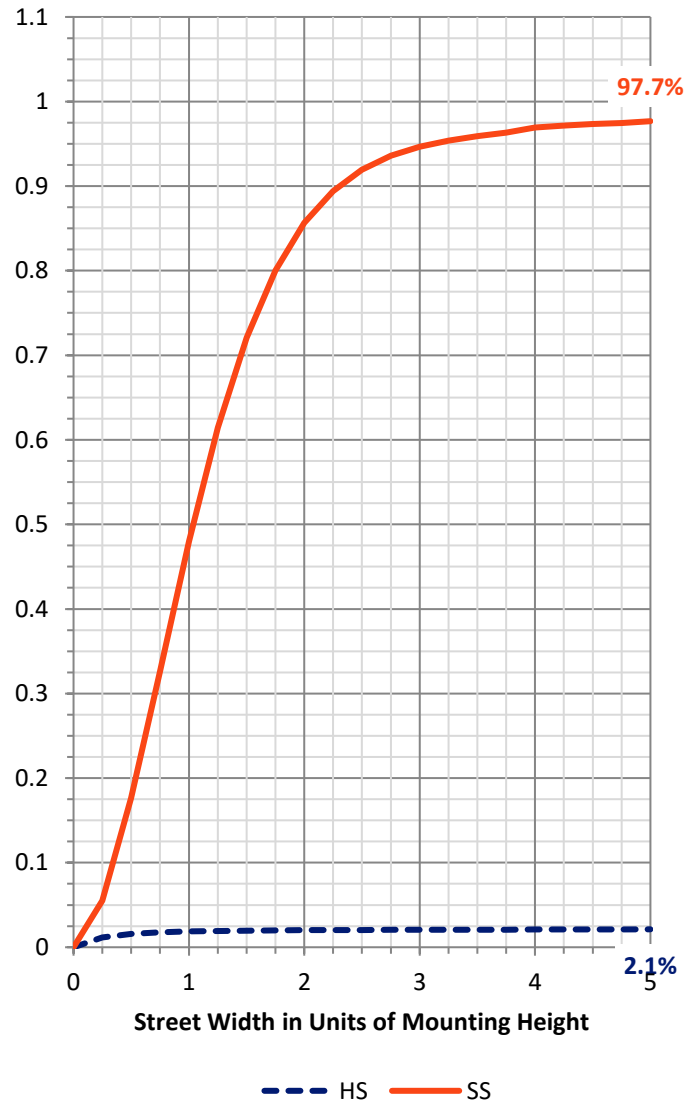
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 190.3    | 0.0    | 190.3  |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 8589.7   | 0.0    | 8589.7 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 8780.0   | 0.0    | 8780.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.7   | 0.3       |
| 10°-20°   | 125.8  | 1.4       |
| 20°-30°   | 271.3  | 3.1       |
| 30°-40°   | 579.4  | 6.6       |
| 40°-50°   | 1281.3 | 14.6      |
| 50°-60°   | 2171.4 | 24.7      |
| 60°-70°   | 2897.6 | 33.0      |
| 70°-80°   | 1276.4 | 14.5      |
| 80°-90°   | 147.0  | 1.7       |
| 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°    | 8780.0 | 100.0     |
| 0°-180°   | 8780.0 | 100.0     |

**Coefficient of Utilization**



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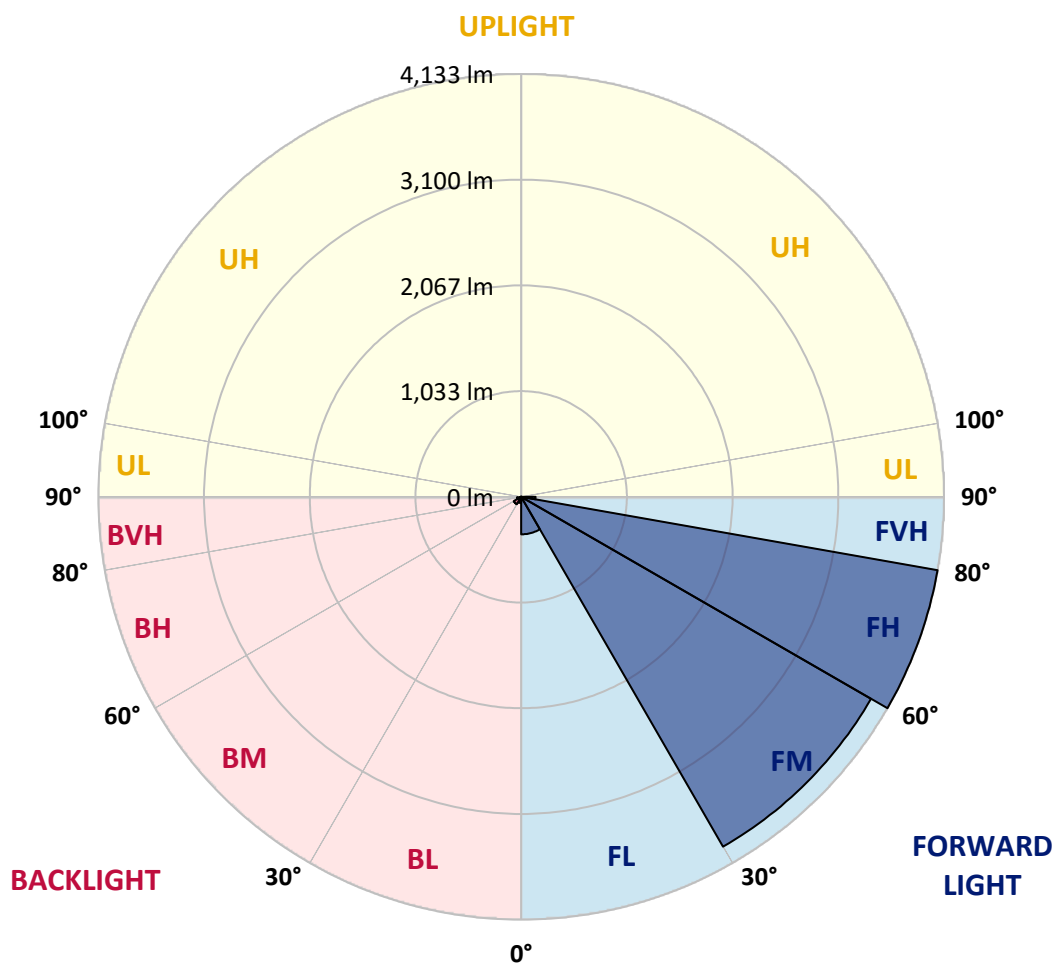
CATALOG NUMBER: VXS-E06-LED-E1-SL3-HSS-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 366.7  | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 3948.6 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 4133.2 | 47.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 141.2  | 1.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 60.0   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 83.5   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 40.8   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 5.9    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 66°     | 67°     | 68°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0   | 265.0   | 265.0   | 265.0   |
| 2.5°  | 334.2  | 332.5  | 325.8  | 325.8  | 315.6  | 308.9  | 300.4  | 292.0   | 292.0   | 290.4   | 288.6   |
| 5°    | 442.3  | 432.1  | 430.5  | 411.9  | 396.7  | 374.7  | 354.5  | 327.5   | 324.0   | 320.7   | 319.1   |
| 7.5°  | 562.1  | 560.4  | 545.2  | 523.3  | 492.8  | 452.3  | 411.9  | 368.0   | 361.2   | 357.8   | 351.1   |
| 10°   | 717.4  | 708.9  | 688.7  | 651.6  | 606.0  | 552.0  | 486.1  | 416.9   | 408.5   | 401.8   | 398.3   |
| 12.5° | 865.9  | 850.8  | 839.0  | 791.7  | 734.3  | 654.9  | 575.6  | 476.1   | 469.2   | 460.8   | 447.4   |
| 15°   | 1004.4 | 990.9  | 970.6  | 930.1  | 865.9  | 766.3  | 673.5  | 552.0   | 535.1   | 523.3   | 513.2   |
| 17.5° | 1112.3 | 1103.9 | 1080.3 | 1034.7 | 965.5  | 877.7  | 766.3  | 629.6   | 616.1   | 600.9   | 582.4   |
| 20°   | 1215.3 | 1203.5 | 1166.4 | 1103.9 | 1029.6 | 962.2  | 876.1  | 730.9   | 712.3   | 693.8   | 673.5   |
| 22.5° | 1313.3 | 1301.5 | 1240.6 | 1137.7 | 1058.3 | 1029.6 | 999.3  | 845.7   | 817.0   | 801.8   | 781.6   |
| 25°   | 1449.9 | 1424.7 | 1330.2 | 1166.4 | 1060.1 | 1082.0 | 1134.3 | 994.2   | 967.3   | 945.3   | 913.2   |
| 27.5° | 1634.0 | 1600.2 | 1451.7 | 1208.6 | 1066.8 | 1139.4 | 1289.6 | 1174.8  | 1146.1  | 1120.8  | 1085.4  |
| 30°   | 1841.6 | 1819.7 | 1642.4 | 1309.8 | 1115.8 | 1223.8 | 1463.5 | 1404.4  | 1370.7  | 1340.2  | 1298.0  |
| 32.5° | 2050.9 | 2020.5 | 1845.0 | 1502.3 | 1247.5 | 1387.6 | 1681.2 | 1671.1  | 1627.3  | 1598.5  | 1553.0  |
| 35°   | 2234.9 | 2219.7 | 2089.7 | 1817.9 | 1547.9 | 1674.5 | 1971.6 | 1983.4  | 1944.6  | 1914.2  | 1863.5  |
| 37.5° | 2359.8 | 2359.8 | 2334.5 | 2157.2 | 2025.6 | 2120.1 | 2398.7 | 2400.3  | 2361.5  | 2292.2  | 2266.9  |
| 40°   | 2423.9 | 2442.5 | 2533.7 | 2567.5 | 2560.6 | 2682.2 | 2959.1 | 2928.6  | 2896.6  | 2861.1  | 2776.7  |
| 42.5° | 2555.6 | 2572.4 | 2766.6 | 2999.6 | 3151.5 | 3311.8 | 3502.6 | 3492.4  | 3453.6  | 3389.4  | 3311.8  |
| 45°   | 2778.4 | 2800.3 | 3031.6 | 3401.2 | 3713.6 | 3941.5 | 4063.0 | 4015.8  | 3976.9  | 3916.2  | 3875.6  |
| 47.5° | 3062.0 | 3104.2 | 3365.8 | 3823.3 | 4199.7 | 4576.2 | 4702.7 | 4577.8  | 4544.0  | 4496.8  | 4431.0  |
| 50°   | 3364.1 | 3404.7 | 3683.2 | 4206.4 | 4631.8 | 5080.8 | 5291.8 | 5080.8  | 5031.9  | 5016.7  | 4942.4  |
| 52.5° | 3625.8 | 3659.6 | 3928.0 | 4501.9 | 4962.7 | 5489.3 | 5796.6 | 5518.0  | 5482.6  | 5431.9  | 5377.9  |
| 55°   | 3781.0 | 3808.1 | 4059.6 | 4643.6 | 5187.2 | 5857.3 | 6284.4 | 6039.6  | 5987.3  | 5967.0  | 5889.3  |
| 57.5° | 3833.4 | 3860.4 | 4086.6 | 4662.2 | 5308.7 | 6193.2 | 6876.8 | 6885.3  | 6822.8  | 6750.3  | 6726.6  |
| 60°   | 3833.4 | 3863.8 | 4054.5 | 4616.6 | 5426.8 | 6551.1 | 7666.8 | 8370.7  | 8235.6  | 8222.2  | 8136.1  |
| 62.5° | 3674.7 | 3703.4 | 3895.9 | 4476.5 | 5585.5 | 7033.8 | 8767.4 | 10009.7 | 9970.9  | 9883.1  | 9741.3  |
| 65°   | 3330.4 | 3347.3 | 3536.4 | 4118.7 | 5524.8 | 7477.7 | 9721.0 | 11100.2 | 11037.7 | 10865.5 | 10683.2 |
| 66°   | 3175.1 | 3188.6 | 3365.8 | 3914.4 | 5325.6 | 7538.5 | 9889.8 | 11236.9 | 11133.9 | 10988.8 | 10782.8 |
| 67.5° | 2950.6 | 2974.2 | 3099.2 | 3534.6 | 4847.9 | 7327.6 | 9783.5 | 11140.7 | 11051.2 | 10875.6 | 10669.7 |
| 70°   | 1969.8 | 1953.0 | 2393.6 | 2712.5 | 3693.3 | 5970.4 | 8777.5 | 10003.0 | 10004.7 | 9922.0  | 9839.3  |
| 72.5° | 935.1  | 945.3  | 1073.6 | 1669.4 | 2417.2 | 3988.7 | 6986.5 | 7984.1  | 8099.0  | 7950.4  | 7847.5  |
| 75°   | 671.8  | 687.0  | 764.7  | 1021.2 | 1441.6 | 2393.6 | 4528.8 | 5583.8  | 5587.3  | 5323.9  | 5089.2  |
| 77.5° | 195.9  | 204.2  | 286.9  | 629.6  | 1080.3 | 1615.4 | 2601.1 | 3104.2  | 3031.6  | 2842.6  | 2665.3  |
| 80°   | 81.0   | 81.0   | 84.4   | 200.8  | 433.8  | 1097.2 | 1819.7 | 2390.2  | 2381.8  | 2309.1  | 2204.5  |
| 82.5° | 30.4   | 32.0   | 40.5   | 82.7   | 103.0  | 270.1  | 1213.7 | 2074.5  | 2069.4  | 1966.5  | 1892.2  |
| 85°   | 3.4    | 3.4    | 10.2   | 35.4   | 38.9   | 50.7   | 243.1  | 914.9   | 909.8   | 914.9   | 801.8   |
| 87.5° | 0.0    | 0.0    | 1.7    | 3.4    | 5.1    | 6.7    | 10.2   | 35.4    | 38.9    | 37.1    | 33.8    |
| 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):**

|       | 69°     | 70°     | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 265.0   | 265.0   | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  |
| 2.5°  | 288.6   | 285.3   | 285.3  | 283.6  | 283.6  | 283.6  | 281.9  | 280.2  | 280.2  | 278.5  | 276.8  |
| 5°    | 315.6   | 312.2   | 310.6  | 307.3  | 305.5  | 303.8  | 300.4  | 298.8  | 295.4  | 293.7  | 292.0  |
| 7.5°  | 347.8   | 340.9   | 339.3  | 334.2  | 329.1  | 325.8  | 322.4  | 317.3  | 314.0  | 307.3  | 305.5  |
| 10°   | 388.2   | 379.8   | 373.1  | 366.3  | 361.2  | 352.7  | 347.8  | 340.9  | 334.2  | 329.1  | 324.0  |
| 12.5° | 440.5   | 428.7   | 418.7  | 411.9  | 400.0  | 389.9  | 379.8  | 374.7  | 361.2  | 354.5  | 346.0  |
| 15°   | 497.9   | 484.5   | 472.6  | 459.2  | 450.7  | 433.8  | 420.3  | 405.1  | 398.3  | 386.5  | 373.1  |
| 17.5° | 572.2   | 550.3   | 531.7  | 518.2  | 501.3  | 484.5  | 469.2  | 454.1  | 433.8  | 420.3  | 403.4  |
| 20°   | 651.6   | 633.0   | 607.7  | 584.0  | 563.8  | 543.5  | 521.6  | 501.3  | 482.8  | 460.8  | 440.5  |
| 22.5° | 752.8   | 725.8   | 695.4  | 671.8  | 644.8  | 622.9  | 592.4  | 565.5  | 535.1  | 506.4  | 482.8  |
| 25°   | 881.1   | 845.7   | 817.0  | 783.2  | 751.2  | 717.4  | 680.2  | 646.5  | 607.7  | 580.6  | 540.1  |
| 27.5° | 1039.8  | 1006.0  | 967.3  | 923.3  | 891.3  | 840.6  | 791.7  | 749.4  | 703.9  | 661.7  | 616.1  |
| 30°   | 1242.4  | 1193.4  | 1152.8 | 1110.7 | 1046.5 | 997.6  | 940.2  | 882.8  | 820.3  | 778.1  | 708.9  |
| 32.5° | 1485.4  | 1433.1  | 1372.3 | 1311.6 | 1252.4 | 1183.3 | 1112.3 | 1041.5 | 972.2  | 894.6  | 823.7  |
| 35°   | 1782.5  | 1720.1  | 1650.9 | 1585.0 | 1493.9 | 1419.6 | 1330.2 | 1232.2 | 1154.6 | 1065.1 | 975.6  |
| 37.5° | 2175.9  | 2072.8  | 2012.1 | 1942.9 | 1819.7 | 1718.3 | 1618.8 | 1520.8 | 1384.1 | 1289.6 | 1163.0 |
| 40°   | 2668.7  | 2608.0  | 2508.3 | 2396.9 | 2285.5 | 2152.2 | 2017.1 | 1887.2 | 1728.5 | 1596.8 | 1449.9 |
| 42.5° | 3247.7  | 3158.2  | 3056.9 | 2896.6 | 2783.5 | 2626.5 | 2472.8 | 2300.7 | 2106.6 | 1937.8 | 1765.6 |
| 45°   | 3791.2  | 3684.9  | 3607.3 | 3446.8 | 3328.7 | 3143.0 | 2957.3 | 2775.0 | 2550.6 | 2332.7 | 2133.6 |
| 47.5° | 4378.7  | 4290.9  | 4162.6 | 4032.5 | 3912.7 | 3703.4 | 3502.6 | 3281.5 | 3045.1 | 2786.8 | 2528.6 |
| 50°   | 4895.1  | 4825.9  | 4738.1 | 4581.1 | 4447.9 | 4272.3 | 4036.0 | 3794.6 | 3495.9 | 3239.3 | 2945.5 |
| 52.5° | 5334.0  | 5280.0  | 5156.8 | 5045.4 | 4925.5 | 4760.1 | 4549.1 | 4317.8 | 3995.4 | 3713.6 | 3379.4 |
| 55°   | 5852.2  | 5813.4  | 5705.4 | 5636.2 | 5529.8 | 5371.2 | 5173.7 | 4959.3 | 4618.3 | 4311.1 | 3933.0 |
| 57.5° | 6701.2  | 6670.9  | 6576.4 | 6547.7 | 6443.0 | 6304.7 | 6061.6 | 5832.0 | 5433.6 | 5052.1 | 4620.0 |
| 60°   | 8107.4  | 8046.6  | 7908.2 | 7837.3 | 7616.2 | 7430.5 | 7114.8 | 6799.2 | 6318.1 | 5832.0 | 5312.1 |
| 62.5° | 9613.1  | 9442.6  | 9179.3 | 8953.1 | 8639.1 | 8316.7 | 7894.7 | 7411.9 | 6848.2 | 6270.9 | 5673.3 |
| 65°   | 10425.0 | 10134.6 | 9802.1 | 9442.6 | 9035.8 | 8561.5 | 8029.7 | 7450.8 | 6844.8 | 6235.4 | 5604.1 |
| 66°   | 10517.8 | 10190.4 | 9837.5 | 9437.5 | 8985.1 | 8480.4 | 7940.3 | 7332.6 | 6703.0 | 6108.8 | 5477.5 |
| 67.5° | 10401.3 | 10058.7 | 9685.6 | 9241.7 | 8752.2 | 8228.9 | 7661.8 | 7030.5 | 6424.5 | 5821.9 | 5207.5 |
| 70°   | 9586.0  | 9245.1  | 8912.5 | 8445.0 | 7923.4 | 7396.8 | 6860.0 | 6154.4 | 5580.5 | 5026.8 | 4479.9 |
| 72.5° | 7655.0  | 7423.7  | 7094.6 | 6694.5 | 6186.4 | 5568.6 | 5121.3 | 4490.1 | 3992.1 | 3455.3 | 3031.6 |
| 75°   | 4783.7  | 4457.9  | 4051.2 | 3541.3 | 3153.2 | 2651.8 | 2390.2 | 1910.8 | 1627.3 | 1379.1 | 1139.4 |
| 77.5° | 2445.9  | 2201.1  | 1915.9 | 1628.9 | 1353.8 | 1080.3 | 835.5  | 590.8  | 398.3  | 276.8  | 205.9  |
| 80°   | 2020.5  | 1804.5  | 1568.2 | 1306.5 | 1063.4 | 825.4  | 594.2  | 405.1  | 258.2  | 168.8  | 131.7  |
| 82.5° | 1669.4  | 1487.2  | 1276.2 | 1033.1 | 822.1  | 648.2  | 450.7  | 293.7  | 182.3  | 118.1  | 92.8   |
| 85°   | 710.7   | 644.8   | 497.9  | 395.0  | 297.1  | 219.5  | 153.6  | 103.0  | 72.5   | 59.1   | 54.0   |
| 87.5° | 30.4    | 33.8    | 32.0   | 25.3   | 18.5   | 18.5   | 16.9   | 13.5   | 13.5   | 13.5   | 13.5   |
| 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):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 95°   | 105°  | 115°  | 125°  | 135°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0  | 265.0 | 265.0 | 265.0 | 265.0 | 265.0 |
| 2.5°  | 276.8  | 275.1  | 273.5  | 273.5  | 271.8  | 270.1  | 260.0 | 251.5 | 241.3 | 234.6 | 227.9 |
| 5°    | 288.6  | 286.9  | 283.6  | 281.9  | 278.5  | 276.8  | 254.9 | 236.3 | 221.1 | 209.3 | 200.8 |
| 7.5°  | 300.4  | 298.8  | 293.7  | 288.6  | 286.9  | 283.6  | 248.1 | 224.5 | 204.2 | 190.8 | 182.3 |
| 10°   | 315.6  | 310.6  | 305.5  | 298.8  | 293.7  | 288.6  | 241.3 | 211.0 | 189.0 | 177.2 | 168.8 |
| 12.5° | 337.6  | 329.1  | 320.7  | 312.2  | 305.5  | 297.1  | 238.0 | 199.2 | 177.2 | 163.7 | 155.3 |
| 15°   | 362.9  | 351.1  | 340.9  | 330.9  | 319.1  | 310.6  | 231.3 | 189.0 | 167.2 | 153.6 | 143.5 |
| 17.5° | 386.5  | 373.1  | 357.8  | 342.7  | 330.9  | 319.1  | 224.5 | 179.0 | 157.0 | 143.5 | 133.4 |
| 20°   | 420.3  | 400.0  | 381.5  | 362.9  | 346.0  | 330.9  | 214.4 | 168.8 | 148.5 | 133.4 | 123.2 |
| 22.5° | 457.4  | 433.8  | 410.2  | 384.9  | 362.9  | 342.7  | 205.9 | 160.3 | 140.1 | 124.9 | 113.1 |
| 25°   | 504.7  | 476.1  | 443.9  | 411.9  | 386.5  | 359.6  | 197.5 | 151.9 | 131.7 | 116.5 | 104.7 |
| 27.5° | 570.6  | 530.1  | 494.6  | 454.1  | 415.2  | 384.9  | 190.8 | 145.2 | 123.2 | 108.0 | 96.2  |
| 30°   | 660.0  | 600.9  | 545.2  | 501.3  | 455.8  | 411.9  | 184.0 | 136.7 | 116.5 | 99.6  | 86.1  |
| 32.5° | 759.6  | 690.4  | 626.2  | 560.4  | 503.0  | 452.3  | 177.2 | 129.9 | 108.0 | 91.2  | 79.4  |
| 35°   | 882.8  | 795.0  | 708.9  | 633.0  | 563.8  | 496.3  | 170.5 | 123.2 | 101.2 | 82.7  | 70.9  |
| 37.5° | 1060.1 | 950.4  | 837.2  | 739.4  | 649.8  | 560.4  | 165.4 | 116.5 | 92.8  | 74.3  | 62.5  |
| 40°   | 1303.1 | 1161.3 | 1022.9 | 889.5  | 773.1  | 661.7  | 158.7 | 109.7 | 86.1  | 67.6  | 55.8  |
| 42.5° | 1566.4 | 1394.3 | 1212.0 | 1061.8 | 901.3  | 761.2  | 151.9 | 103.0 | 79.4  | 60.7  | 48.9  |
| 45°   | 1893.9 | 1679.6 | 1458.4 | 1254.2 | 1058.3 | 877.7  | 145.2 | 96.2  | 70.9  | 54.0  | 42.2  |
| 47.5° | 2251.8 | 1978.3 | 1728.5 | 1471.9 | 1239.0 | 1022.9 | 136.7 | 91.2  | 64.1  | 47.3  | 37.1  |
| 50°   | 2619.8 | 2331.1 | 2015.4 | 1723.4 | 1446.6 | 1168.1 | 128.3 | 82.7  | 57.4  | 42.2  | 30.4  |
| 52.5° | 3016.4 | 2675.4 | 2353.1 | 1990.2 | 1667.8 | 1358.9 | 119.9 | 76.0  | 52.3  | 37.1  | 25.3  |
| 55°   | 3521.1 | 3139.7 | 2761.6 | 2354.7 | 1966.5 | 1580.0 | 111.4 | 67.6  | 45.6  | 32.0  | 20.2  |
| 57.5° | 4155.9 | 3703.4 | 3239.3 | 2780.1 | 2309.1 | 1870.3 | 104.7 | 59.1  | 38.9  | 27.0  | 16.9  |
| 60°   | 4755.0 | 4226.7 | 3664.6 | 3136.3 | 2604.6 | 2093.1 | 94.5  | 52.3  | 33.8  | 22.0  | 16.9  |
| 62.5° | 5065.6 | 4463.0 | 3857.0 | 3274.7 | 2707.6 | 2172.4 | 84.4  | 43.9  | 28.7  | 18.5  | 15.2  |
| 65°   | 4989.6 | 4375.2 | 3787.9 | 3200.4 | 2645.1 | 2121.8 | 74.3  | 38.9  | 25.3  | 16.9  | 15.2  |
| 66°   | 4880.0 | 4272.3 | 3681.5 | 3122.8 | 2592.7 | 2067.8 | 69.2  | 37.1  | 23.6  | 16.9  | 13.5  |
| 67.5° | 4640.3 | 4052.8 | 3489.0 | 2969.1 | 2449.2 | 1964.8 | 62.5  | 33.8  | 22.0  | 15.2  | 13.5  |
| 70°   | 3963.4 | 3429.9 | 2979.3 | 2516.8 | 2093.1 | 1656.0 | 50.7  | 28.7  | 18.5  | 13.5  | 13.5  |
| 72.5° | 2623.1 | 2260.2 | 1959.8 | 1686.3 | 1409.4 | 1093.8 | 42.2  | 23.6  | 15.2  | 13.5  | 11.8  |
| 75°   | 989.1  | 894.6  | 768.1  | 690.4  | 602.6  | 528.3  | 33.8  | 15.2  | 11.8  | 11.8  | 11.8  |
| 77.5° | 175.5  | 162.1  | 143.5  | 131.7  | 121.6  | 111.4  | 27.0  | 10.2  | 10.2  | 11.8  | 11.8  |
| 80°   | 118.1  | 109.7  | 99.6   | 91.2   | 84.4   | 76.0   | 18.5  | 8.4   | 10.2  | 10.2  | 11.8  |
| 82.5° | 84.4   | 79.4   | 74.3   | 67.6   | 62.5   | 55.8   | 11.8  | 8.4   | 10.2  | 10.2  | 10.2  |
| 85°   | 50.7   | 47.3   | 43.9   | 40.5   | 35.4   | 33.8   | 8.4   | 8.4   | 8.4   | 10.2  | 10.2  |
| 87.5° | 13.5   | 11.8   | 13.5   | 13.5   | 10.2   | 11.8   | 6.7   | 6.7   | 6.7   | 8.4   | 8.4   |
| 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):**

|       | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 265.0 | 265.0 | 265.0 | 265.0 | 265.0 |
| 2.5°  | 224.5 | 224.5 | 221.1 | 226.2 | 226.2 |
| 5°    | 194.1 | 194.1 | 192.4 | 194.1 | 194.1 |
| 7.5°  | 177.2 | 175.5 | 175.5 | 175.5 | 177.2 |
| 10°   | 162.1 | 160.3 | 160.3 | 160.3 | 160.3 |
| 12.5° | 148.5 | 146.8 | 145.2 | 146.8 | 146.8 |
| 15°   | 136.7 | 133.4 | 133.4 | 133.4 | 133.4 |
| 17.5° | 126.6 | 123.2 | 121.6 | 121.6 | 121.6 |
| 20°   | 116.5 | 111.4 | 111.4 | 111.4 | 111.4 |
| 22.5° | 106.3 | 101.2 | 101.2 | 101.2 | 101.2 |
| 25°   | 96.2  | 91.2  | 91.2  | 91.2  | 91.2  |
| 27.5° | 87.8  | 82.7  | 82.7  | 82.7  | 82.7  |
| 30°   | 77.6  | 74.3  | 74.3  | 76.0  | 74.3  |
| 32.5° | 70.9  | 65.8  | 65.8  | 67.6  | 67.6  |
| 35°   | 62.5  | 59.1  | 59.1  | 59.1  | 59.1  |
| 37.5° | 54.0  | 50.7  | 50.7  | 50.7  | 50.7  |
| 40°   | 47.3  | 43.9  | 42.2  | 43.9  | 43.9  |
| 42.5° | 40.5  | 37.1  | 35.4  | 35.4  | 35.4  |
| 45°   | 35.4  | 30.4  | 28.7  | 30.4  | 30.4  |
| 47.5° | 28.7  | 25.3  | 25.3  | 27.0  | 27.0  |
| 50°   | 22.0  | 22.0  | 23.6  | 27.0  | 27.0  |
| 52.5° | 20.2  | 20.2  | 23.6  | 27.0  | 27.0  |
| 55°   | 18.5  | 20.2  | 23.6  | 25.3  | 27.0  |
| 57.5° | 16.9  | 20.2  | 23.6  | 25.3  | 25.3  |
| 60°   | 16.9  | 18.5  | 22.0  | 25.3  | 25.3  |
| 62.5° | 15.2  | 16.9  | 20.2  | 23.6  | 23.6  |
| 65°   | 15.2  | 16.9  | 20.2  | 23.6  | 23.6  |
| 66°   | 15.2  | 16.9  | 20.2  | 23.6  | 23.6  |
| 67.5° | 15.2  | 16.9  | 20.2  | 23.6  | 23.6  |
| 70°   | 15.2  | 16.9  | 20.2  | 22.0  | 22.0  |
| 72.5° | 13.5  | 15.2  | 18.5  | 22.0  | 22.0  |
| 75°   | 13.5  | 15.2  | 18.5  | 22.0  | 22.0  |
| 77.5° | 13.5  | 15.2  | 18.5  | 22.0  | 22.0  |
| 80°   | 13.5  | 15.2  | 18.5  | 20.2  | 22.0  |
| 82.5° | 11.8  | 15.2  | 16.9  | 20.2  | 20.2  |
| 85°   | 11.8  | 13.5  | 16.9  | 18.5  | 20.2  |
| 87.5° | 10.2  | 11.8  | 13.5  | 16.9  | 16.9  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)