

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: P149271

Luminaire Tested: **VXM-E05-LED-E1-SL2-HSS-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149271  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-E05-LED-E1-SL2-HSS-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (105) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9407.2 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

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



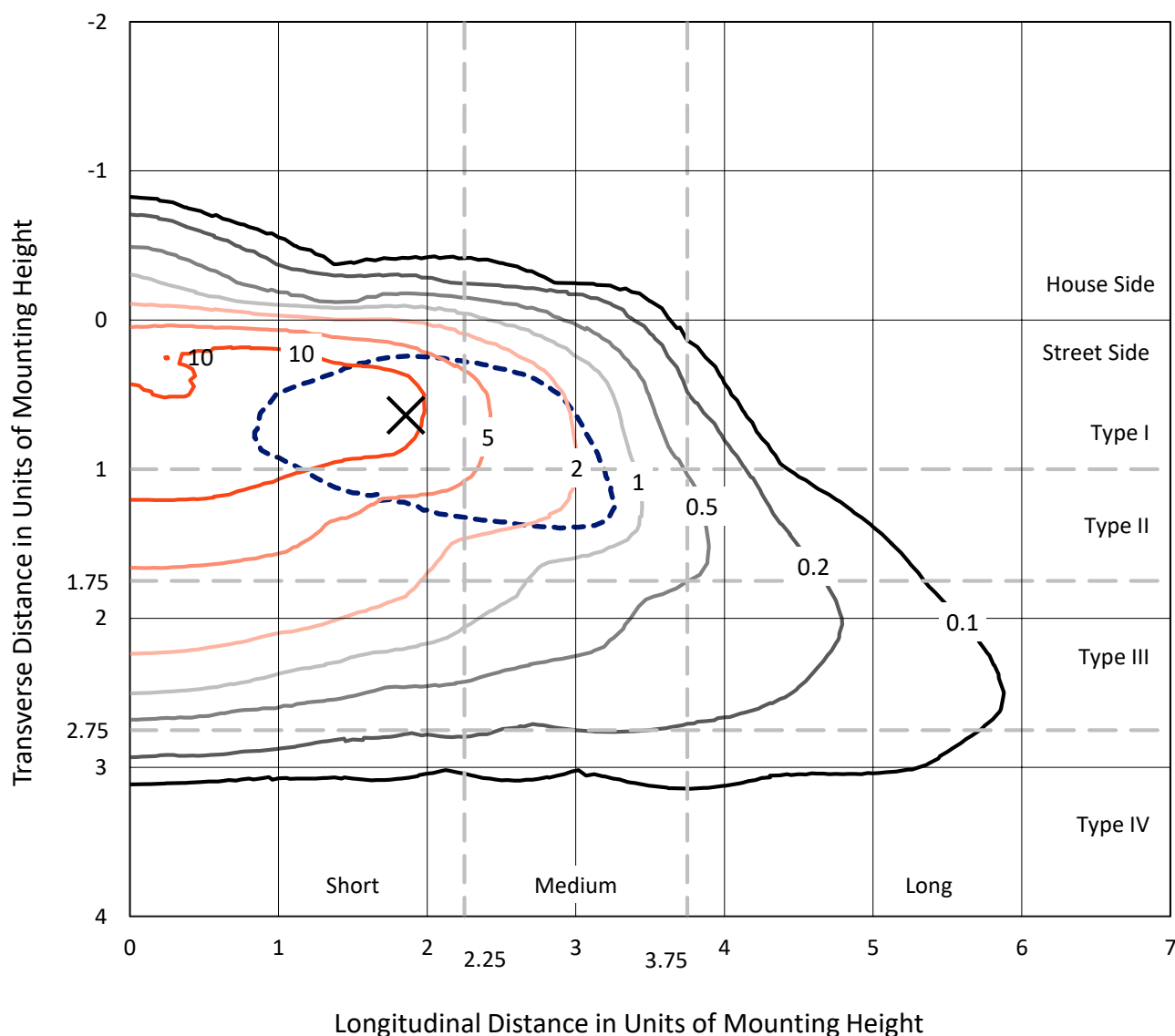
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

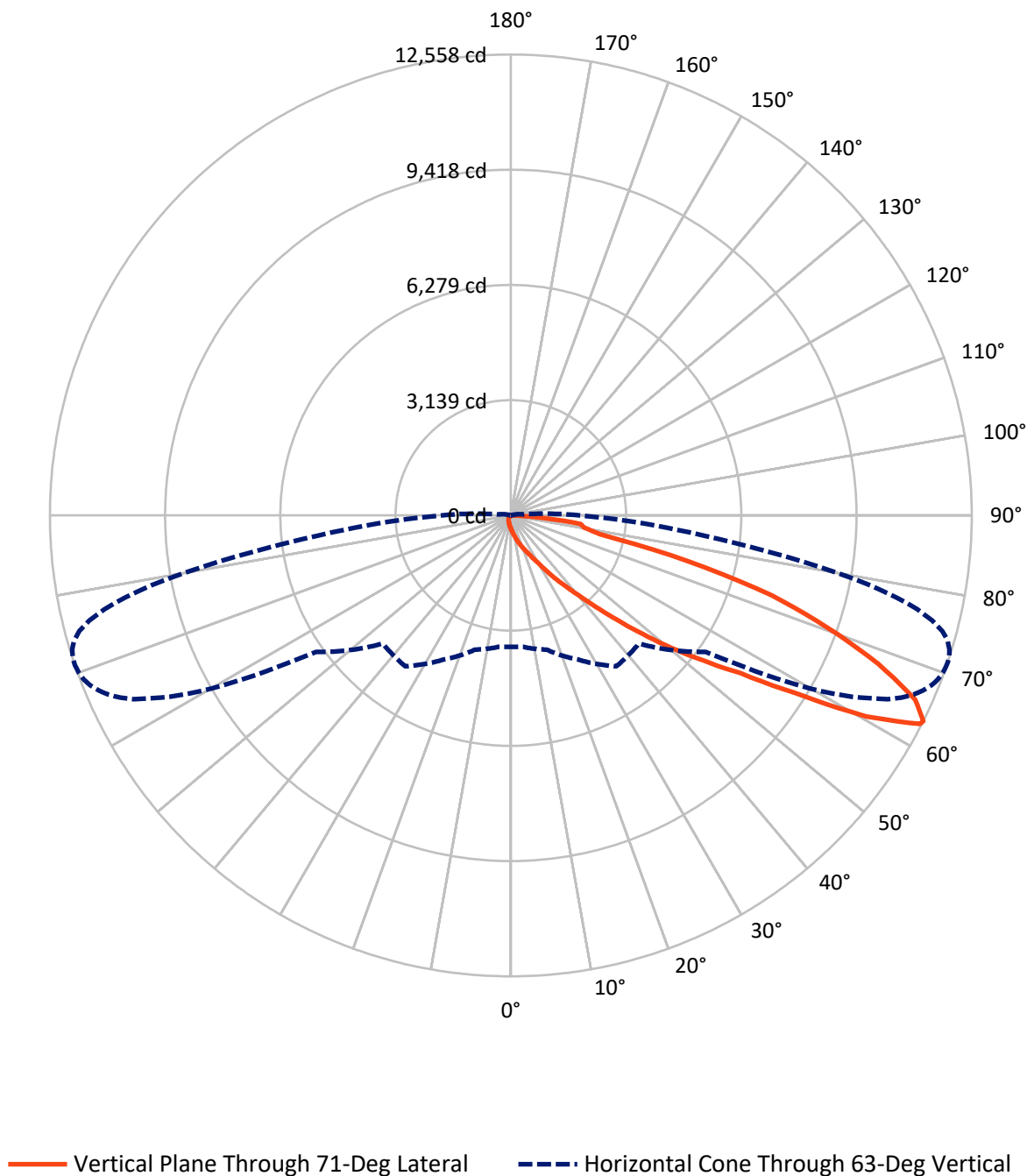


Based on 10 foot mounting height. Maximum calculated value = 19.8 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 199.7    | 0.0    | 199.7  |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 9207.5   | 0.0    | 9207.5 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 9407.2   | 0.0    | 9407.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.9   | 0.4       |
| 10°-20°   | 154.7  | 1.6       |
| 20°-30°   | 314.2  | 3.3       |
| 30°-40°   | 767.6  | 8.2       |
| 40°-50°   | 1716.6 | 18.2      |
| 50°-60°   | 2413.8 | 25.7      |
| 60°-70°   | 2838.4 | 30.2      |
| 70°-80°   | 1024.9 | 10.9      |
| 80°-90°   | 137.1  | 1.5       |
| 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°    | 9407.2 | 100.0     |
| 0°-180°   | 9407.2 | 100.0     |

**Coefficient of Utilization**



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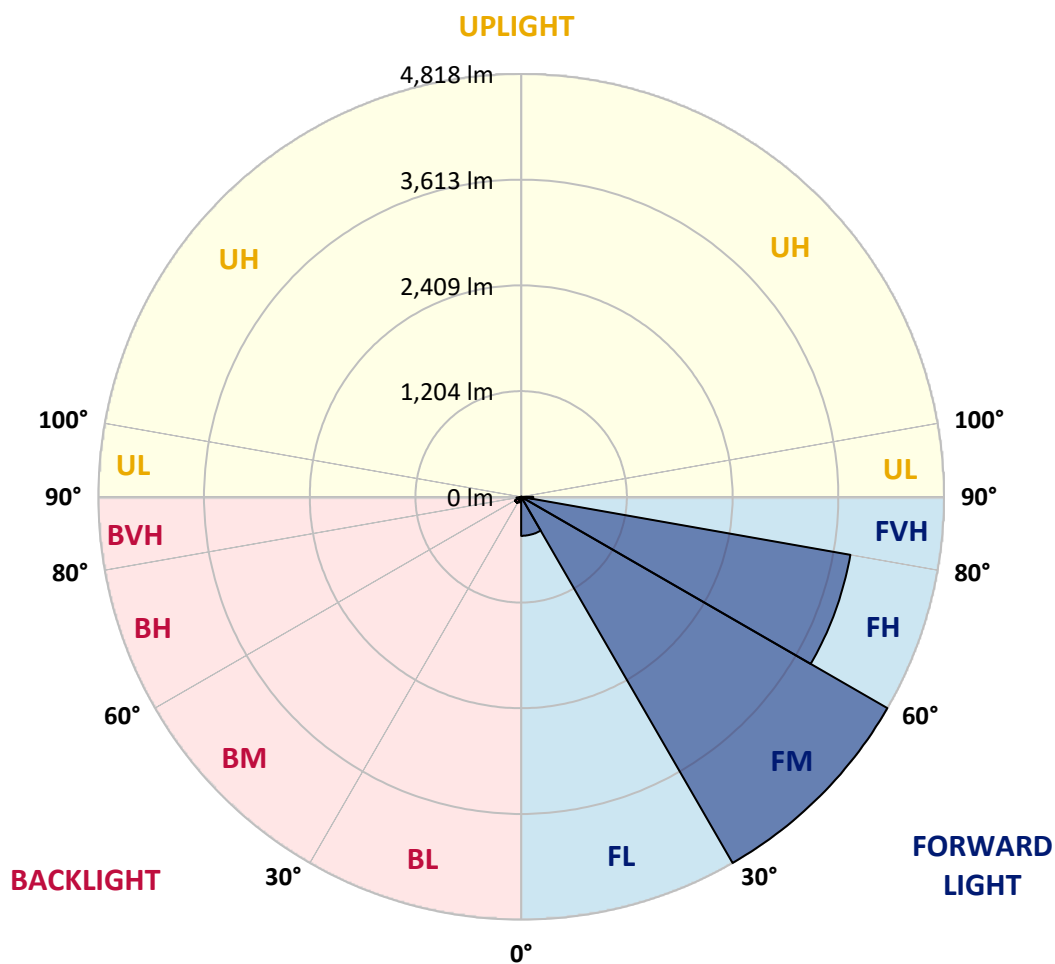
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 444.5  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 4817.6 | 51.2      |                         |      |         |
| FH   | (60°-80°)   | 3808.6 | 40.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 136.8  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 64.2   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 80.5   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 54.8   | 0.6       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.3    | 0.0       |                         |      | 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 II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  |
| 2.5°  | 472.0  | 477.1  | 473.7  | 465.2  | 454.9  | 441.2  | 429.3  | 429.3  | 427.5  | 422.4  | 424.1  |
| 5°    | 619.1  | 620.8  | 614.0  | 593.4  | 574.6  | 545.5  | 513.1  | 509.6  | 506.2  | 501.1  | 499.4  |
| 7.5°  | 762.7  | 769.6  | 762.7  | 740.5  | 702.9  | 658.4  | 607.1  | 602.0  | 591.7  | 591.7  | 584.9  |
| 10°   | 909.8  | 909.8  | 903.0  | 877.3  | 843.1  | 779.8  | 714.9  | 706.3  | 694.3  | 690.9  | 680.6  |
| 12.5° | 1014.1 | 1014.1 | 1010.7 | 997.0  | 969.7  | 913.2  | 834.6  | 826.0  | 810.6  | 805.5  | 793.5  |
| 15°   | 1055.2 | 1055.2 | 1056.9 | 1068.9 | 1070.6 | 1044.9 | 962.8  | 956.0  | 940.6  | 926.9  | 921.8  |
| 17.5° | 1080.8 | 1079.1 | 1079.1 | 1096.2 | 1127.0 | 1144.1 | 1091.1 | 1084.3 | 1067.1 | 1060.3 | 1043.2 |
| 20°   | 1137.3 | 1133.8 | 1123.6 | 1123.6 | 1152.7 | 1212.5 | 1212.5 | 1210.8 | 1192.0 | 1186.9 | 1178.3 |
| 22.5° | 1221.1 | 1217.6 | 1186.9 | 1161.2 | 1174.9 | 1250.1 | 1320.3 | 1316.8 | 1310.0 | 1303.2 | 1298.0 |
| 25°   | 1357.9 | 1345.9 | 1292.9 | 1217.6 | 1205.7 | 1286.1 | 1402.3 | 1410.9 | 1416.0 | 1416.0 | 1419.4 |
| 27.5° | 1564.8 | 1549.4 | 1455.4 | 1315.1 | 1262.1 | 1344.2 | 1493.0 | 1510.1 | 1525.5 | 1528.9 | 1544.3 |
| 30°   | 1852.1 | 1824.8 | 1689.7 | 1484.4 | 1363.0 | 1429.7 | 1626.4 | 1645.2 | 1667.4 | 1674.3 | 1698.2 |
| 32.5° | 2324.1 | 2308.7 | 2178.8 | 1870.9 | 1611.0 | 1597.3 | 1812.8 | 1836.7 | 1865.8 | 1877.8 | 1906.8 |
| 35°   | 3042.4 | 3045.8 | 2939.8 | 2662.7 | 2303.6 | 2115.5 | 2146.3 | 2166.8 | 2177.1 | 2213.0 | 2228.4 |
| 37.5° | 3529.8 | 3538.4 | 3562.3 | 3452.8 | 3196.3 | 3004.8 | 2763.6 | 2785.9 | 2732.9 | 2738.0 | 2739.7 |
| 40°   | 3796.6 | 3824.0 | 3964.2 | 4070.2 | 4049.7 | 3938.5 | 3745.3 | 3757.3 | 3658.1 | 3635.8 | 3528.1 |
| 42.5° | 3974.4 | 4010.4 | 4234.4 | 4562.7 | 4730.3 | 4831.2 | 4786.8 | 4781.7 | 4704.7 | 4675.6 | 4585.0 |
| 45°   | 4085.6 | 4118.1 | 4400.3 | 4884.3 | 5270.8 | 5564.9 | 5686.3 | 5700.0 | 5635.0 | 5606.0 | 5530.7 |
| 47.5° | 4080.5 | 4118.1 | 4420.8 | 5004.0 | 5573.5 | 6043.8 | 6385.8 | 6402.9 | 6442.2 | 6416.6 | 6421.7 |
| 50°   | 3854.7 | 3890.6 | 4195.1 | 4800.5 | 5484.5 | 6262.7 | 6888.6 | 6943.3 | 7006.6 | 7049.3 | 7069.9 |
| 52.5° | 3581.1 | 3606.8 | 3877.0 | 4451.6 | 5104.9 | 6172.0 | 7186.2 | 7280.2 | 7374.3 | 7454.7 | 7511.1 |
| 55°   | 3480.2 | 3509.3 | 3721.3 | 4198.5 | 4800.5 | 5792.4 | 7324.7 | 7463.2 | 7596.6 | 7728.3 | 7836.0 |
| 57.5° | 3533.2 | 3560.6 | 3712.8 | 4078.8 | 4619.2 | 5392.2 | 7364.0 | 7579.5 | 7798.4 | 8012.2 | 8224.2 |
| 60°   | 3728.2 | 3757.3 | 3887.2 | 4189.9 | 4571.3 | 5161.3 | 7210.1 | 7567.5 | 7931.8 | 8304.6 | 8655.2 |
| 62.5° | 3651.2 | 3663.2 | 3854.7 | 4384.9 | 4913.3 | 4964.6 | 6650.9 | 7150.2 | 7706.1 | 8280.7 | 8846.7 |
| 63°   | 3577.7 | 3591.4 | 3786.3 | 4331.9 | 5017.7 | 4935.6 | 6478.1 | 7004.9 | 7591.5 | 8210.6 | 8826.2 |
| 65°   | 3244.2 | 3245.9 | 3394.7 | 3825.7 | 4901.4 | 4986.9 | 5708.6 | 6211.4 | 6885.2 | 7627.4 | 8405.5 |
| 67.5° | 2421.6 | 2409.6 | 2553.3 | 2881.6 | 3847.9 | 4988.6 | 4899.7 | 5181.8 | 5650.4 | 6308.8 | 7006.6 |
| 70°   | 858.5  | 839.7  | 1072.3 | 1527.2 | 2397.7 | 4080.5 | 4210.5 | 4229.3 | 4359.2 | 4715.0 | 5152.8 |
| 72.5° | 278.8  | 283.9  | 342.0  | 559.2  | 1104.8 | 2746.5 | 3812.0 | 3753.8 | 3719.6 | 3717.9 | 3776.1 |
| 75°   | 111.2  | 112.9  | 136.8  | 248.0  | 496.0  | 1323.7 | 3338.3 | 3370.8 | 3382.7 | 3399.8 | 3418.6 |
| 77.5° | 53.0   | 58.1   | 77.0   | 138.5  | 246.3  | 655.0  | 2389.1 | 2664.5 | 2821.8 | 2943.2 | 3016.8 |
| 80°   | 18.8   | 22.2   | 42.8   | 85.5   | 114.6  | 301.0  | 1258.7 | 1518.6 | 1749.5 | 2047.1 | 2303.6 |
| 82.5° | 0.0    | 0.0    | 8.6    | 59.9   | 63.3   | 121.4  | 516.5  | 605.4  | 692.6  | 897.8  | 1152.7 |
| 85°   | 0.0    | 0.0    | 0.0    | 17.1   | 18.8   | 20.5   | 174.4  | 210.4  | 236.0  | 275.3  | 318.1  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.7    | 5.1    | 10.3   | 25.7   | 39.3   |
| 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):**

|       | 60°    | 61°     | 62°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     | 71°     |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 360.8  | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   |
| 2.5°  | 420.7  | 419.0   | 419.0   | 415.6   | 413.9   | 410.4   | 408.7   | 403.6   | 401.9   | 401.9   | 401.9   |
| 5°    | 497.7  | 490.8   | 487.4   | 478.8   | 473.7   | 472.0   | 463.5   | 460.0   | 454.9   | 456.6   | 448.1   |
| 7.5°  | 583.2  | 571.2   | 566.1   | 554.1   | 550.7   | 538.7   | 535.3   | 526.7   | 521.6   | 511.3   | 507.9   |
| 10°   | 677.2  | 661.8   | 653.3   | 634.5   | 629.3   | 620.8   | 610.5   | 600.3   | 591.7   | 581.5   | 576.3   |
| 12.5° | 785.0  | 771.3   | 764.4   | 738.8   | 726.8   | 714.9   | 701.2   | 687.5   | 673.8   | 665.3   | 653.3   |
| 15°   | 911.5  | 889.3   | 882.5   | 858.5   | 838.0   | 822.6   | 803.8   | 786.7   | 776.4   | 759.3   | 747.3   |
| 17.5° | 1036.4 | 1014.1  | 1009.0  | 973.1   | 950.9   | 940.6   | 920.1   | 897.8   | 879.0   | 861.9   | 843.1   |
| 20°   | 1161.2 | 1145.8  | 1132.1  | 1097.9  | 1074.0  | 1056.9  | 1029.5  | 1007.3  | 991.9   | 968.0   | 944.0   |
| 22.5° | 1286.1 | 1270.7  | 1260.4  | 1224.5  | 1202.3  | 1178.3  | 1154.4  | 1130.4  | 1108.2  | 1079.1  | 1051.8  |
| 25°   | 1414.3 | 1404.1  | 1398.9  | 1366.4  | 1345.9  | 1323.7  | 1299.7  | 1272.4  | 1245.0  | 1212.5  | 1183.4  |
| 27.5° | 1547.7 | 1551.1  | 1540.9  | 1534.0  | 1511.8  | 1496.4  | 1458.8  | 1440.0  | 1419.4  | 1380.1  | 1344.2  |
| 30°   | 1717.0 | 1727.3  | 1723.9  | 1729.0  | 1715.3  | 1705.0  | 1676.0  | 1652.0  | 1628.1  | 1590.5  | 1549.4  |
| 32.5° | 1930.8 | 1944.5  | 1951.3  | 1970.1  | 1963.3  | 1959.9  | 1951.3  | 1917.1  | 1900.0  | 1835.0  | 1817.9  |
| 35°   | 2260.9 | 2254.0  | 2283.1  | 2298.5  | 2291.6  | 2288.2  | 2278.0  | 2259.1  | 2238.6  | 2192.4  | 2149.7  |
| 37.5° | 2690.1 | 2696.9  | 2707.2  | 2676.4  | 2655.9  | 2654.2  | 2623.4  | 2604.6  | 2575.5  | 2524.2  | 2472.9  |
| 40°   | 3476.8 | 3434.0  | 3386.1  | 3256.2  | 3199.7  | 3167.2  | 3076.6  | 3051.0  | 3001.4  | 2931.2  | 2878.2  |
| 42.5° | 4499.5 | 4456.7  | 4313.1  | 4095.9  | 3979.6  | 3818.8  | 3745.3  | 3654.6  | 3584.5  | 3469.9  | 3408.4  |
| 45°   | 5515.3 | 5392.2  | 5375.1  | 5122.0  | 4978.3  | 4766.3  | 4634.6  | 4482.4  | 4323.3  | 4172.8  | 4063.4  |
| 47.5° | 6372.1 | 6344.8  | 6261.0  | 6107.0  | 5973.6  | 5795.8  | 5626.5  | 5392.2  | 5228.0  | 5014.2  | 4817.6  |
| 50°   | 7057.9 | 7056.2  | 7025.4  | 6936.5  | 6825.3  | 6681.7  | 6532.9  | 6334.5  | 6148.1  | 5886.4  | 5676.1  |
| 52.5° | 7570.9 | 7598.3  | 7608.6  | 7581.2  | 7538.5  | 7411.9  | 7336.7  | 7170.8  | 7013.4  | 6791.1  | 6563.7  |
| 55°   | 7947.2 | 8048.1  | 8099.4  | 8157.5  | 8145.6  | 8101.1  | 8097.7  | 7989.9  | 7918.1  | 7742.0  | 7581.2  |
| 57.5° | 8412.4 | 8578.2  | 8737.3  | 9019.5  | 9029.7  | 9128.9  | 9180.2  | 9231.5  | 9245.2  | 9175.1  | 9122.1  |
| 60°   | 9004.1 | 9342.7  | 9643.7  | 10233.7 | 10387.6 | 10630.5 | 10787.8 | 10958.8 | 11104.2 | 11116.1 | 11112.7 |
| 62.5° | 9421.4 | 9943.0  | 10428.7 | 11304.3 | 11603.5 | 11884.0 | 12094.4 | 12260.2 | 12361.2 | 12463.8 | 12511.6 |
| 63°   | 9433.3 | 10004.5 | 10521.0 | 11424.0 | 11738.6 | 12005.4 | 12205.5 | 12359.4 | 12465.5 | 12527.0 | 12557.8 |
| 65°   | 9144.3 | 9836.9  | 10452.6 | 11352.1 | 11648.0 | 11916.5 | 12020.8 | 12121.7 | 12173.0 | 12197.0 | 12106.3 |
| 67.5° | 7750.5 | 8427.7  | 9146.0  | 10151.6 | 10404.7 | 10726.2 | 10811.7 | 10863.0 | 10887.0 | 10881.8 | 10804.9 |
| 70°   | 5795.8 | 6363.6  | 7162.2  | 8311.5  | 8646.6  | 8961.3  | 9156.3  | 9240.1  | 9267.4  | 9258.9  | 9144.3  |
| 72.5° | 4046.3 | 4379.8  | 5038.2  | 6317.4  | 6774.0  | 7177.6  | 7418.7  | 7543.6  | 7569.2  | 7517.9  | 7411.9  |
| 75°   | 3398.1 | 3415.2  | 3564.0  | 4263.5  | 4691.0  | 5122.0  | 5393.9  | 5472.6  | 5421.3  | 5265.6  | 4995.4  |
| 77.5° | 3033.9 | 3071.5  | 3071.5  | 3175.8  | 3259.6  | 3379.3  | 3405.0  | 3213.4  | 2991.1  | 2703.8  | 2471.2  |
| 80°   | 2544.7 | 2676.4  | 2768.8  | 2845.7  | 2854.3  | 2830.3  | 2767.1  | 2659.3  | 2488.3  | 2269.4  | 2026.6  |
| 82.5° | 1546.0 | 1805.9  | 1912.0  | 2308.7  | 2503.7  | 2635.4  | 2625.1  | 2481.5  | 2351.5  | 2124.0  | 1917.1  |
| 85°   | 389.9  | 420.7   | 456.6   | 593.4   | 665.3   | 812.3   | 904.7   | 947.4   | 962.8   | 884.2   | 800.4   |
| 87.5° | 37.6   | 25.7    | 42.8    | 32.5    | 46.2    | 34.2    | 46.2    | 42.8    | 53.0    | 56.4    | 61.6    |
| 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):**

|       | 72°     | 73°     | 74°     | 75°     | 76°     | 77°     | 78°     | 79°    | 80°    | 81°    | 82°    |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8   | 360.8  | 360.8  | 360.8  | 360.8  |
| 2.5°  | 398.5   | 396.8   | 395.1   | 393.3   | 391.6   | 389.9   | 386.5   | 386.5  | 383.1  | 381.4  | 379.7  |
| 5°    | 442.9   | 439.5   | 437.8   | 434.4   | 429.3   | 425.8   | 420.7   | 413.9  | 408.7  | 407.0  | 403.6  |
| 7.5°  | 499.4   | 490.8   | 487.4   | 482.3   | 475.4   | 465.2   | 458.3   | 453.2  | 444.6  | 439.5  | 429.3  |
| 10°   | 562.6   | 554.1   | 543.8   | 533.6   | 523.3   | 511.3   | 502.8   | 496.0  | 482.3  | 475.4  | 463.5  |
| 12.5° | 643.0   | 627.6   | 615.7   | 602.0   | 588.3   | 574.6   | 564.4   | 543.8  | 531.9  | 516.5  | 506.2  |
| 15°   | 725.1   | 711.4   | 697.8   | 680.6   | 660.1   | 637.9   | 627.6   | 608.8  | 593.4  | 569.5  | 555.8  |
| 17.5° | 824.3   | 798.7   | 778.1   | 757.6   | 738.8   | 718.3   | 697.8   | 668.7  | 646.4  | 625.9  | 598.6  |
| 20°   | 921.8   | 891.0   | 868.8   | 841.4   | 814.0   | 781.6   | 757.6   | 737.1  | 706.3  | 678.9  | 649.9  |
| 22.5° | 1026.1  | 995.3   | 959.4   | 932.0   | 894.4   | 868.8   | 836.3   | 802.1  | 771.3  | 735.4  | 699.5  |
| 25°   | 1152.7  | 1120.2  | 1079.1  | 1043.2  | 1000.5  | 964.5   | 925.2   | 885.9  | 848.2  | 807.2  | 761.0  |
| 27.5° | 1308.3  | 1274.1  | 1229.6  | 1186.9  | 1130.4  | 1086.0  | 1048.3  | 995.3  | 947.4  | 896.1  | 843.1  |
| 30°   | 1505.0  | 1467.3  | 1412.6  | 1351.0  | 1294.6  | 1245.0  | 1192.0  | 1121.9 | 1068.9 | 1007.3 | 938.9  |
| 32.5° | 1761.5  | 1717.0  | 1643.5  | 1585.3  | 1515.2  | 1450.2  | 1376.7  | 1306.6 | 1231.3 | 1150.9 | 1072.3 |
| 35°   | 2084.7  | 2043.7  | 1958.2  | 1872.6  | 1795.7  | 1718.7  | 1626.4  | 1546.0 | 1440.0 | 1342.5 | 1241.6 |
| 37.5° | 2419.9  | 2346.4  | 2267.7  | 2175.3  | 2079.6  | 1987.2  | 1874.4  | 1763.2 | 1641.8 | 1535.7 | 1409.2 |
| 40°   | 2803.0  | 2714.0  | 2649.1  | 2549.9  | 2414.8  | 2283.1  | 2178.8  | 2040.2 | 1888.0 | 1746.1 | 1597.3 |
| 42.5° | 3328.0  | 3228.8  | 3112.5  | 2962.0  | 2864.5  | 2710.6  | 2575.5  | 2411.3 | 2211.3 | 2052.2 | 1872.6 |
| 45°   | 3935.1  | 3800.0  | 3687.1  | 3541.8  | 3423.8  | 3232.2  | 3074.9  | 2856.0 | 2655.9 | 2447.3 | 2228.4 |
| 47.5° | 4627.7  | 4460.1  | 4296.0  | 4152.3  | 3964.2  | 3776.1  | 3576.0  | 3343.4 | 3086.9 | 2857.7 | 2597.8 |
| 50°   | 5423.0  | 5185.3  | 4957.8  | 4773.1  | 4514.9  | 4297.7  | 4080.5  | 3818.8 | 3534.9 | 3271.6 | 2975.7 |
| 52.5° | 6307.1  | 6031.8  | 5730.8  | 5446.9  | 5147.6  | 4868.9  | 4607.2  | 4306.2 | 3989.8 | 3668.3 | 3338.3 |
| 55°   | 7374.3  | 7167.3  | 6813.3  | 6452.5  | 6052.3  | 5679.5  | 5342.6  | 4969.8 | 4585.0 | 4162.6 | 3815.4 |
| 57.5° | 9045.1  | 8944.2  | 8648.4  | 8287.5  | 7765.9  | 7312.7  | 6741.5  | 6284.9 | 5727.4 | 5145.9 | 4697.9 |
| 60°   | 11309.4 | 11184.5 | 11018.7 | 10726.2 | 10312.4 | 9696.7  | 9067.4  | 8357.6 | 7509.4 | 6703.9 | 5939.4 |
| 62.5° | 12516.8 | 12472.3 | 12337.2 | 12135.4 | 11748.9 | 11263.2 | 10628.7 | 9848.9 | 8891.2 | 7913.0 | 6938.2 |
| 63°   | 12552.7 | 12496.3 | 12380.0 | 12174.7 | 11834.4 | 11364.1 | 10741.6 | 9984.0 | 9046.8 | 8049.8 | 7054.5 |
| 65°   | 12067.0 | 12044.8 | 11926.8 | 11702.7 | 11470.1 | 11111.0 | 10628.7 | 9977.2 | 9190.5 | 8248.2 | 7258.0 |
| 67.5° | 10702.3 | 10635.6 | 10454.3 | 10385.9 | 10223.4 | 9973.7  | 9606.1  | 9158.0 | 8595.3 | 7854.8 | 6999.7 |
| 70°   | 9052.0  | 8952.8  | 8725.3  | 8603.9  | 8405.5  | 8248.2  | 8024.1  | 7704.3 | 7357.2 | 6840.7 | 6202.8 |
| 72.5° | 7302.5  | 7097.2  | 6888.6  | 6572.2  | 6295.2  | 6014.7  | 5766.7  | 5541.0 | 5159.6 | 4951.0 | 4467.0 |
| 75°   | 4742.3  | 4369.5  | 4012.1  | 3533.2  | 3102.3  | 2720.9  | 2349.8  | 2161.7 | 1770.0 | 1611.0 | 1383.5 |
| 77.5° | 2250.6  | 2041.9  | 1761.5  | 1544.3  | 1267.2  | 1034.7  | 844.8   | 634.5  | 497.7  | 389.9  | 297.6  |
| 80°   | 1816.2  | 1640.1  | 1470.8  | 1274.1  | 1065.4  | 850.0   | 651.6   | 487.4  | 345.5  | 239.4  | 169.3  |
| 82.5° | 1619.5  | 1428.0  | 1219.4  | 1084.3  | 942.3   | 771.3   | 632.8   | 516.5  | 381.4  | 278.8  | 189.8  |
| 85°   | 629.3   | 530.2   | 408.7   | 333.5   | 259.9   | 213.8   | 193.2   | 133.4  | 104.3  | 82.1   | 63.3   |
| 87.5° | 54.7    | 44.5    | 35.9    | 23.9    | 25.7    | 13.7    | 15.4    | 10.3   | 8.6    | 8.6    | 6.8    |
| 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: P149271

CATALOG NUMBER: VXM-E05-LED-E1-SL2-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 95°   | 105°  | 115°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8  | 360.8 | 360.8 | 360.8 |
| 2.5°  | 377.9  | 376.2  | 374.5  | 371.1  | 371.1  | 367.7  | 366.0  | 364.3  | 355.7 | 336.9 | 321.5 |
| 5°    | 396.8  | 393.3  | 389.9  | 384.8  | 381.4  | 376.2  | 372.8  | 367.7  | 348.9 | 313.0 | 282.2 |
| 7.5°  | 424.1  | 417.3  | 412.2  | 401.9  | 396.8  | 389.9  | 384.8  | 376.2  | 345.5 | 290.7 | 248.0 |
| 10°   | 456.6  | 444.6  | 436.1  | 424.1  | 413.9  | 405.3  | 396.8  | 384.8  | 342.0 | 266.8 | 217.2 |
| 12.5° | 496.0  | 482.3  | 465.2  | 451.5  | 437.8  | 425.8  | 413.9  | 398.5  | 336.9 | 246.3 | 193.2 |
| 15°   | 535.3  | 514.8  | 502.8  | 484.0  | 465.2  | 448.1  | 431.0  | 417.3  | 338.6 | 224.0 | 172.7 |
| 17.5° | 579.7  | 559.2  | 533.6  | 513.1  | 492.5  | 470.3  | 449.8  | 422.4  | 330.1 | 206.9 | 157.3 |
| 20°   | 622.5  | 593.4  | 569.5  | 543.8  | 514.8  | 487.4  | 461.7  | 437.8  | 323.2 | 189.8 | 143.7 |
| 22.5° | 668.7  | 634.5  | 603.7  | 571.2  | 535.3  | 504.5  | 473.7  | 442.9  | 311.3 | 174.4 | 131.7 |
| 25°   | 725.1  | 685.8  | 641.3  | 602.0  | 564.4  | 526.7  | 487.4  | 449.8  | 299.3 | 160.8 | 123.1 |
| 27.5° | 793.5  | 742.2  | 697.8  | 648.2  | 595.1  | 547.3  | 504.5  | 463.5  | 287.3 | 150.5 | 114.6 |
| 30°   | 880.7  | 820.9  | 757.6  | 694.3  | 637.9  | 583.2  | 523.3  | 472.0  | 275.3 | 140.2 | 106.0 |
| 32.5° | 997.0  | 921.8  | 844.8  | 771.3  | 696.0  | 625.9  | 562.6  | 496.0  | 268.5 | 131.7 | 97.5  |
| 35°   | 1150.9 | 1053.5 | 959.4  | 867.1  | 776.4  | 690.9  | 608.8  | 533.6  | 268.5 | 121.4 | 87.2  |
| 37.5° | 1296.3 | 1183.4 | 1063.7 | 949.1  | 841.4  | 742.2  | 644.7  | 554.1  | 254.8 | 112.9 | 78.7  |
| 40°   | 1453.6 | 1318.5 | 1178.3 | 1043.2 | 913.2  | 790.1  | 678.9  | 574.6  | 242.8 | 102.6 | 70.1  |
| 42.5° | 1694.8 | 1523.8 | 1340.8 | 1183.4 | 1027.8 | 875.6  | 737.1  | 614.0  | 227.5 | 92.3  | 61.6  |
| 45°   | 2011.2 | 1794.0 | 1578.5 | 1387.0 | 1188.6 | 1002.2 | 838.0  | 685.8  | 224.0 | 83.8  | 53.0  |
| 47.5° | 2349.8 | 2093.3 | 1840.1 | 1595.6 | 1363.0 | 1145.8 | 949.1  | 766.2  | 224.0 | 75.2  | 46.2  |
| 50°   | 2686.7 | 2365.2 | 2095.0 | 1811.1 | 1549.4 | 1292.9 | 1058.6 | 850.0  | 225.7 | 68.4  | 37.6  |
| 52.5° | 2991.1 | 2647.4 | 2344.7 | 2016.3 | 1727.3 | 1429.7 | 1174.9 | 932.0  | 222.3 | 59.9  | 30.8  |
| 55°   | 3413.5 | 3009.9 | 2659.3 | 2296.8 | 1958.2 | 1623.0 | 1333.9 | 1055.2 | 224.0 | 53.0  | 25.7  |
| 57.5° | 4191.6 | 3717.9 | 3295.5 | 2820.1 | 2430.2 | 1997.5 | 1646.9 | 1308.3 | 244.6 | 44.5  | 18.8  |
| 60°   | 5308.4 | 4692.7 | 4099.3 | 3519.5 | 3023.6 | 2508.8 | 2053.9 | 1655.5 | 287.3 | 35.9  | 13.7  |
| 62.5° | 6059.2 | 5253.7 | 4545.6 | 3906.0 | 3329.7 | 2791.0 | 2295.1 | 1841.9 | 316.4 | 29.1  | 8.6   |
| 63°   | 6136.1 | 5303.3 | 4591.8 | 3931.7 | 3343.4 | 2804.7 | 2305.3 | 1855.5 | 318.1 | 27.4  | 8.6   |
| 65°   | 6281.5 | 5388.8 | 4617.5 | 3936.8 | 3329.7 | 2785.9 | 2298.5 | 1853.8 | 321.5 | 22.2  | 6.8   |
| 67.5° | 6115.6 | 5257.1 | 4468.7 | 3789.7 | 3210.0 | 2674.7 | 2213.0 | 1785.4 | 319.8 | 15.4  | 5.1   |
| 70°   | 5469.1 | 4757.7 | 4065.1 | 3432.3 | 2905.6 | 2421.6 | 2014.6 | 1628.1 | 294.2 | 10.3  | 3.4   |
| 72.5° | 4015.5 | 3531.5 | 2994.5 | 2537.9 | 2189.0 | 1817.9 | 1551.1 | 1222.8 | 227.5 | 6.8   | 1.7   |
| 75°   | 1190.3 | 1084.3 | 911.5  | 803.8  | 709.7  | 586.6  | 521.6  | 407.0  | 116.3 | 3.4   | 0.0   |
| 77.5° | 237.7  | 215.5  | 193.2  | 176.1  | 165.9  | 141.9  | 135.1  | 111.2  | 47.9  | 1.7   | 0.0   |
| 80°   | 124.8  | 102.6  | 87.2   | 77.0   | 66.7   | 54.7   | 46.2   | 37.6   | 8.6   | 0.0   | 0.0   |
| 82.5° | 119.7  | 80.4   | 58.1   | 47.9   | 41.0   | 32.5   | 25.7   | 18.8   | 5.1   | 0.0   | 0.0   |
| 85°   | 44.5   | 34.2   | 25.7   | 20.5   | 17.1   | 15.4   | 12.0   | 10.3   | 0.0   | 0.0   | 0.0   |
| 87.5° | 6.8    | 5.1    | 5.1    | 3.4    | 3.4    | 1.7    | 1.7    | 1.7    | 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):**

|       | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 360.8 | 360.8 | 360.8 | 360.8 | 360.8 | 360.8 | 360.8 |
| 2.5°  | 306.1 | 292.4 | 285.6 | 277.0 | 277.0 | 275.3 | 278.8 |
| 5°    | 254.8 | 236.0 | 222.3 | 212.1 | 213.8 | 208.6 | 210.4 |
| 7.5°  | 215.5 | 196.7 | 184.7 | 177.9 | 176.1 | 174.4 | 174.4 |
| 10°   | 186.4 | 169.3 | 159.0 | 153.9 | 152.2 | 152.2 | 152.2 |
| 12.5° | 165.9 | 148.8 | 140.2 | 136.8 | 136.8 | 135.1 | 135.1 |
| 15°   | 148.8 | 135.1 | 126.6 | 123.1 | 123.1 | 121.4 | 123.1 |
| 17.5° | 135.1 | 121.4 | 114.6 | 111.2 | 111.2 | 109.5 | 109.5 |
| 20°   | 123.1 | 111.2 | 104.3 | 99.2  | 99.2  | 97.5  | 99.2  |
| 22.5° | 112.9 | 100.9 | 92.3  | 88.9  | 87.2  | 85.5  | 87.2  |
| 25°   | 102.6 | 90.6  | 82.1  | 77.0  | 75.2  | 75.2  | 73.5  |
| 27.5° | 94.1  | 82.1  | 71.8  | 66.7  | 65.0  | 65.0  | 63.3  |
| 30°   | 85.5  | 71.8  | 61.6  | 56.4  | 54.7  | 54.7  | 54.7  |
| 32.5° | 77.0  | 61.6  | 53.0  | 47.9  | 46.2  | 46.2  | 46.2  |
| 35°   | 68.4  | 53.0  | 44.5  | 39.3  | 37.6  | 37.6  | 37.6  |
| 37.5° | 58.1  | 44.5  | 34.2  | 30.8  | 29.1  | 27.4  | 27.4  |
| 40°   | 49.6  | 34.2  | 25.7  | 22.2  | 18.8  | 18.8  | 18.8  |
| 42.5° | 41.0  | 27.4  | 18.8  | 13.7  | 12.0  | 10.3  | 12.0  |
| 45°   | 34.2  | 20.5  | 12.0  | 6.8   | 5.1   | 5.1   | 5.1   |
| 47.5° | 27.4  | 13.7  | 5.1   | 1.7   | 1.7   | 1.7   | 1.7   |
| 50°   | 20.5  | 8.6   | 1.7   | 0.0   | 0.0   | 1.7   | 1.7   |
| 52.5° | 15.4  | 5.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°   | 8.6   | 1.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 5.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 3.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 1.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 63°   | 1.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 1.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 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   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)