

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: P180387

Luminaire Tested: **ICM-E04-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180387  
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: ICM-E04-LED-E1-SL2-HSS-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (84) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

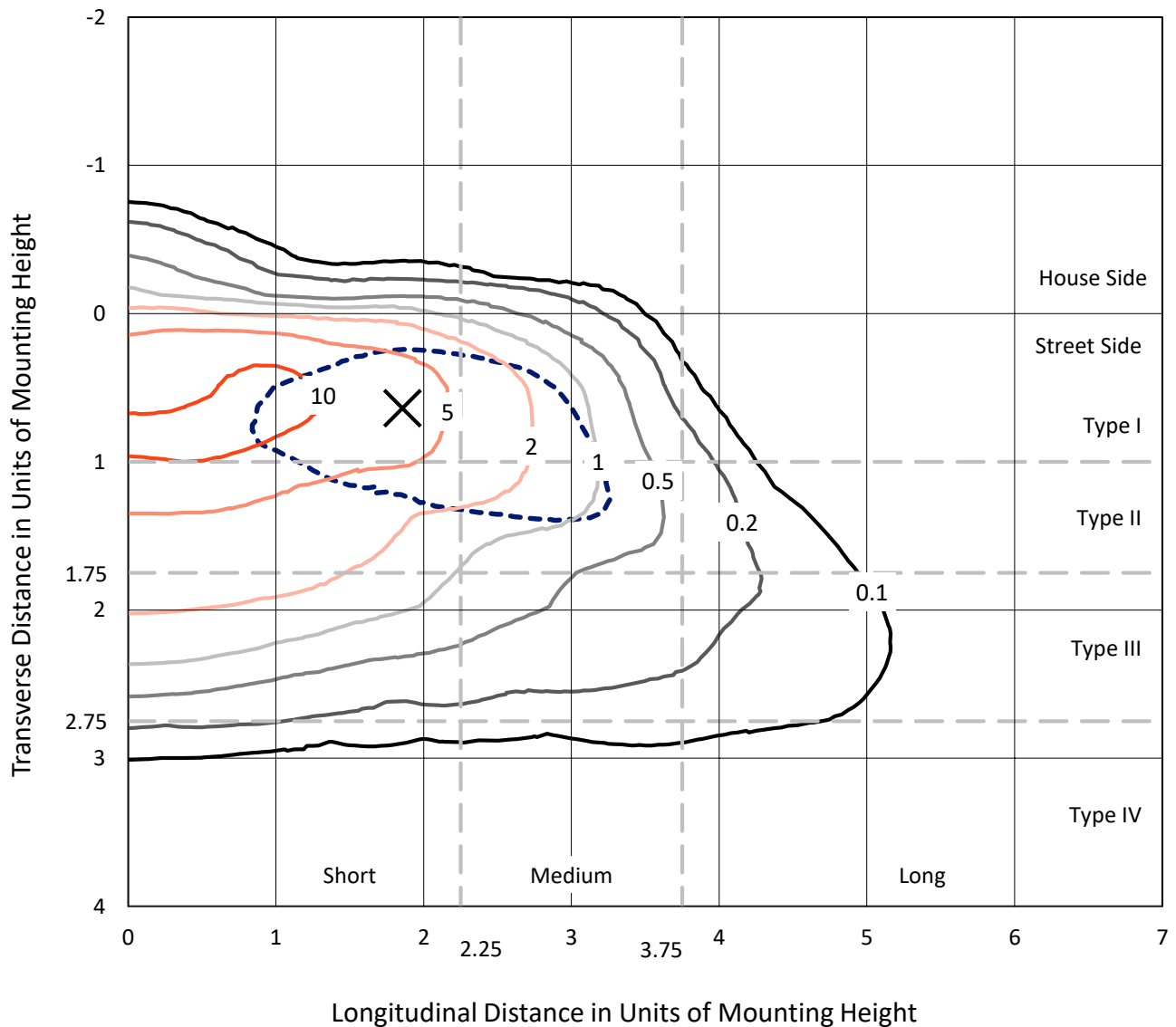
Lumens per Lamp: N/A  
Luminaire Lumens: 6231.5 lumens  
Efficiency: N/A  
Efficacy: 64.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 97.2  
Input Voltage (V): NR  
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

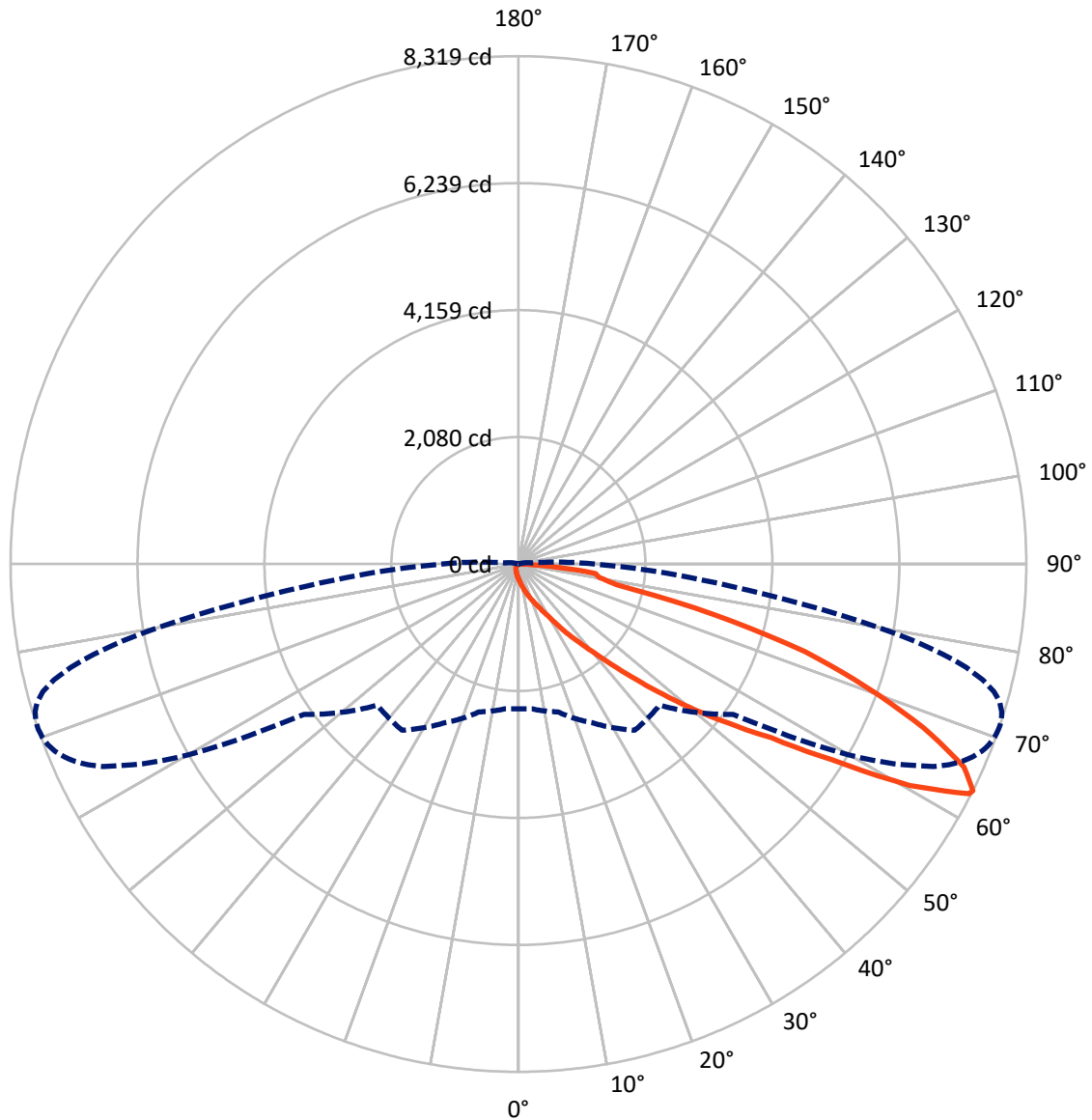
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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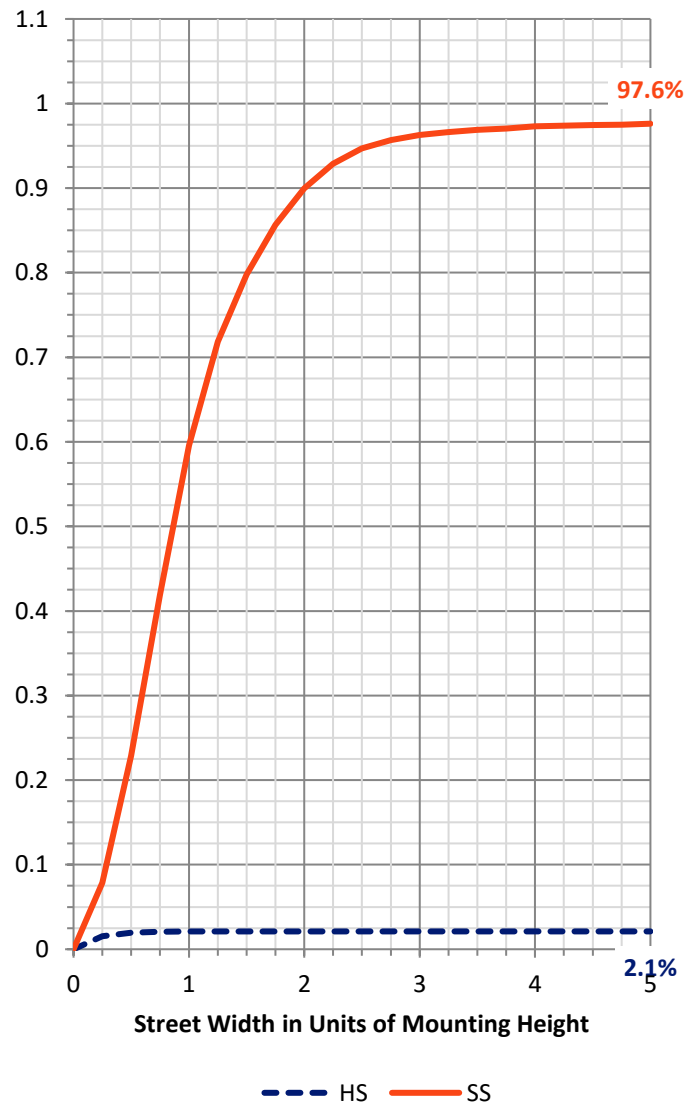
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 132.3    | 0.0    | 132.3  |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 6099.2   | 0.0    | 6099.2 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 6231.5   | 0.0    | 6231.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.4   | 0.4       |
| 10°-20°   | 102.5  | 1.6       |
| 20°-30°   | 208.1  | 3.3       |
| 30°-40°   | 508.5  | 8.2       |
| 40°-50°   | 1137.1 | 18.2      |
| 50°-60°   | 1598.9 | 25.7      |
| 60°-70°   | 1880.2 | 30.2      |
| 70°-80°   | 678.9  | 10.9      |
| 80°-90°   | 90.8   | 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°    | 6231.5 | 100.0     |
| 0°-180°   | 6231.5 | 100.0     |



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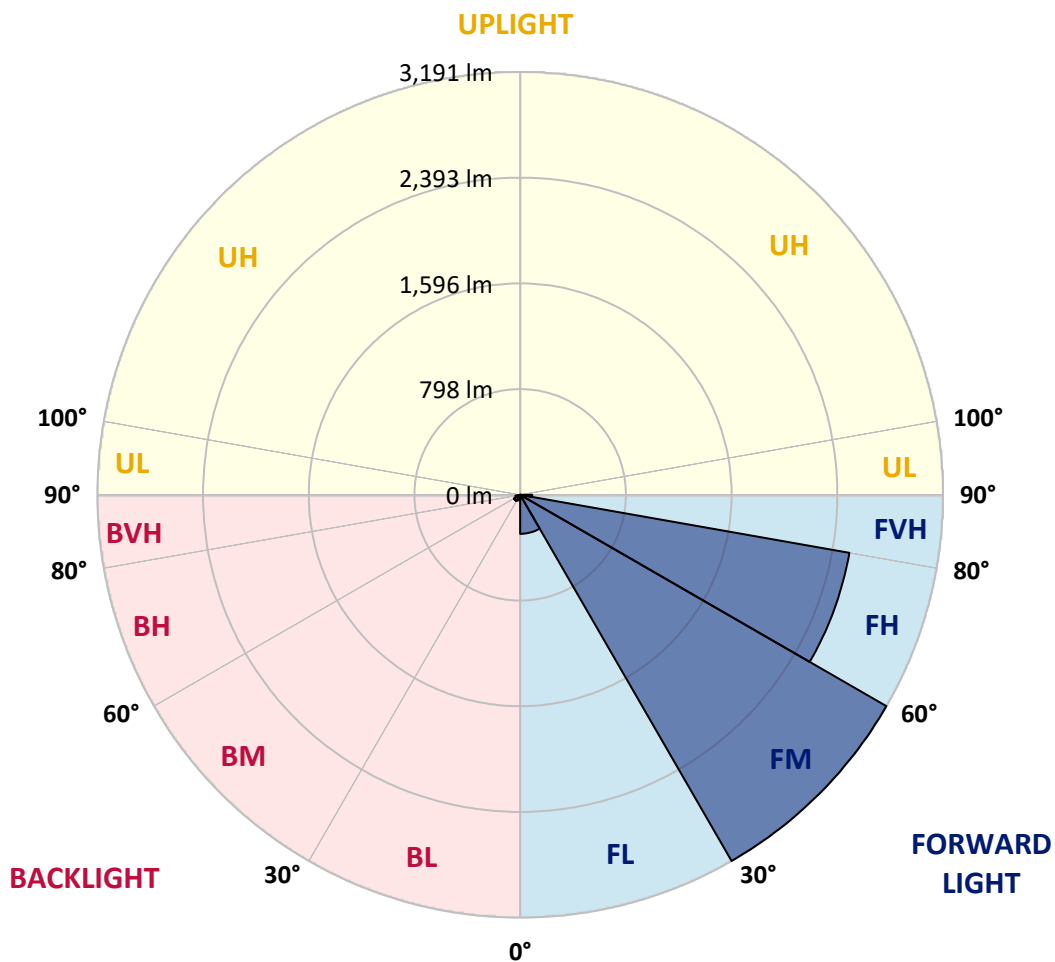
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 294.5  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 3191.2 | 51.2      |                         |      |         |
| FH   | (60°-80°)   | 2522.9 | 40.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 90.6   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 42.5   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 53.3   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 36.3   | 0.6       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.2    | 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°    | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  |
| 2.5°  | 312.7  | 316.1  | 313.8  | 308.1  | 301.3  | 292.3  | 284.4  | 284.4  | 283.3  | 279.8  | 280.9  |
| 5°    | 410.0  | 411.3  | 406.7  | 393.1  | 380.7  | 361.4  | 339.8  | 337.6  | 335.4  | 331.9  | 330.8  |
| 7.5°  | 505.2  | 509.8  | 505.2  | 490.5  | 465.6  | 436.2  | 402.1  | 398.8  | 392.0  | 392.0  | 387.4  |
| 10°   | 602.7  | 602.7  | 598.1  | 581.1  | 558.5  | 516.6  | 473.5  | 467.9  | 459.9  | 457.7  | 450.9  |
| 12.5° | 671.8  | 671.8  | 669.5  | 660.5  | 642.3  | 604.9  | 552.8  | 547.2  | 536.9  | 533.6  | 525.7  |
| 15°   | 699.0  | 699.0  | 700.1  | 708.0  | 709.1  | 692.2  | 637.8  | 633.3  | 623.1  | 614.0  | 610.6  |
| 17.5° | 715.9  | 714.8  | 714.8  | 726.1  | 746.5  | 757.9  | 722.8  | 718.2  | 706.9  | 702.3  | 691.1  |
| 20°   | 753.3  | 751.1  | 744.3  | 744.3  | 763.5  | 803.2  | 803.2  | 802.1  | 789.6  | 786.2  | 780.6  |
| 22.5° | 808.8  | 806.6  | 786.2  | 769.2  | 778.2  | 828.1  | 874.5  | 872.3  | 867.7  | 863.3  | 859.8  |
| 25°   | 899.4  | 891.5  | 856.5  | 806.6  | 798.6  | 851.9  | 928.9  | 934.6  | 938.0  | 938.0  | 940.3  |
| 27.5° | 1036.6 | 1026.3 | 964.0  | 871.2  | 836.0  | 890.4  | 988.9  | 1000.3 | 1010.5 | 1012.8 | 1023.0 |
| 30°   | 1226.9 | 1208.8 | 1119.3 | 983.4  | 902.9  | 947.1  | 1077.3 | 1089.8 | 1104.6 | 1109.0 | 1124.9 |
| 32.5° | 1539.5 | 1529.3 | 1443.3 | 1239.4 | 1067.2 | 1058.1 | 1200.8 | 1216.7 | 1235.9 | 1243.8 | 1263.1 |
| 35°   | 2015.4 | 2017.6 | 1947.4 | 1763.8 | 1526.0 | 1401.3 | 1421.7 | 1435.4 | 1442.1 | 1465.9 | 1476.1 |
| 37.5° | 2338.2 | 2343.8 | 2359.7 | 2287.2 | 2117.3 | 1990.4 | 1830.7 | 1845.4 | 1810.2 | 1813.7 | 1814.8 |
| 40°   | 2514.9 | 2533.0 | 2626.0 | 2696.2 | 2682.6 | 2608.9 | 2480.9 | 2488.9 | 2423.2 | 2408.4 | 2337.0 |
| 42.5° | 2632.8 | 2656.5 | 2804.9 | 3022.4 | 3133.4 | 3200.3 | 3170.8 | 3167.5 | 3116.5 | 3097.2 | 3037.1 |
| 45°   | 2706.3 | 2727.9 | 2914.8 | 3235.4 | 3491.5 | 3686.3 | 3766.7 | 3775.7 | 3732.8 | 3713.4 | 3663.7 |
| 47.5° | 2703.0 | 2727.9 | 2928.4 | 3314.7 | 3691.9 | 4003.5 | 4230.1 | 4241.3 | 4267.5 | 4250.4 | 4253.8 |
| 50°   | 2553.4 | 2577.2 | 2778.9 | 3179.9 | 3633.0 | 4148.5 | 4563.1 | 4599.4 | 4641.2 | 4669.6 | 4683.2 |
| 52.5° | 2372.2 | 2389.1 | 2568.2 | 2948.8 | 3381.5 | 4088.4 | 4760.2 | 4822.5 | 4884.9 | 4938.1 | 4975.5 |
| 55°   | 2305.3 | 2324.6 | 2465.0 | 2781.1 | 3179.9 | 3837.0 | 4851.9 | 4943.8 | 5032.1 | 5119.3 | 5190.7 |
| 57.5° | 2340.5 | 2358.6 | 2459.4 | 2701.9 | 3059.8 | 3571.8 | 4878.0 | 5020.8 | 5165.8 | 5307.4 | 5447.8 |
| 60°   | 2469.6 | 2488.9 | 2575.0 | 2775.5 | 3028.1 | 3418.9 | 4776.0 | 5012.9 | 5254.2 | 5501.1 | 5733.3 |
| 62.5° | 2418.6 | 2426.5 | 2553.4 | 2904.6 | 3254.6 | 3288.7 | 4405.6 | 4736.4 | 5104.6 | 5485.2 | 5860.2 |
| 63°   | 2369.9 | 2379.0 | 2508.1 | 2869.5 | 3323.7 | 3269.4 | 4291.2 | 4640.1 | 5028.7 | 5438.8 | 5846.6 |
| 65°   | 2149.0 | 2150.2 | 2248.7 | 2534.2 | 3246.7 | 3303.4 | 3781.4 | 4114.5 | 4560.9 | 5052.5 | 5567.9 |
| 67.5° | 1604.1 | 1596.2 | 1691.4 | 1908.8 | 2548.9 | 3304.5 | 3245.6 | 3432.5 | 3742.9 | 4179.1 | 4641.2 |
| 70°   | 568.7  | 556.2  | 710.3  | 1011.6 | 1588.3 | 2703.0 | 2789.0 | 2801.5 | 2887.6 | 3123.3 | 3413.2 |
| 72.5° | 184.7  | 188.1  | 226.6  | 370.4  | 731.8  | 1819.4 | 2525.1 | 2486.6 | 2463.9 | 2462.8 | 2501.3 |
| 75°   | 73.7   | 74.8   | 90.6   | 164.3  | 328.6  | 876.8  | 2211.3 | 2232.9 | 2240.8 | 2252.1 | 2264.6 |
| 77.5° | 35.2   | 38.5   | 51.0   | 91.7   | 163.2  | 433.9  | 1582.6 | 1764.9 | 1869.2 | 1949.6 | 1998.3 |
| 80°   | 12.5   | 14.7   | 28.3   | 56.7   | 75.9   | 199.4  | 833.8  | 1006.0 | 1158.9 | 1356.0 | 1526.0 |
| 82.5° | 0.0    | 0.0    | 5.7    | 39.6   | 42.0   | 80.5   | 342.1  | 401.0  | 458.8  | 594.7  | 763.5  |
| 85°   | 0.0    | 0.0    | 0.0    | 11.3   | 12.5   | 13.6   | 115.5  | 139.3  | 156.4  | 182.4  | 210.7  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 3.4    | 6.8    | 17.0   | 26.0   |
| 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):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  |
| 2.5°  | 278.7  | 277.6  | 277.6  | 275.3  | 274.1  | 271.9  | 270.8  | 267.4  | 266.2  | 266.2  | 266.2  |
| 5°    | 329.7  | 325.1  | 322.9  | 317.2  | 313.8  | 312.7  | 307.0  | 304.7  | 301.3  | 302.5  | 296.8  |
| 7.5°  | 386.3  | 378.3  | 375.0  | 367.1  | 364.7  | 356.8  | 354.6  | 348.9  | 345.5  | 338.7  | 336.5  |
| 10°   | 448.6  | 438.4  | 432.7  | 420.3  | 416.9  | 411.3  | 404.5  | 397.6  | 392.0  | 385.2  | 381.8  |
| 12.5° | 520.0  | 510.9  | 506.4  | 489.4  | 481.5  | 473.5  | 464.5  | 455.4  | 446.3  | 440.7  | 432.7  |
| 15°   | 603.8  | 589.1  | 584.6  | 568.7  | 555.1  | 544.9  | 532.5  | 521.1  | 514.3  | 503.0  | 495.1  |
| 17.5° | 686.5  | 671.8  | 668.4  | 644.6  | 629.9  | 623.1  | 609.5  | 594.7  | 582.2  | 571.0  | 558.5  |
| 20°   | 769.2  | 759.0  | 750.0  | 727.3  | 711.4  | 700.1  | 682.0  | 667.3  | 657.0  | 641.2  | 625.3  |
| 22.5° | 851.9  | 841.7  | 834.9  | 811.1  | 796.4  | 780.6  | 764.7  | 748.8  | 734.1  | 714.8  | 696.7  |
| 25°   | 936.8  | 930.1  | 926.7  | 905.1  | 891.5  | 876.8  | 860.9  | 842.8  | 824.7  | 803.2  | 783.9  |
| 27.5° | 1025.2 | 1027.4 | 1020.7 | 1016.2 | 1001.4 | 991.3  | 966.3  | 953.9  | 940.3  | 914.2  | 890.4  |
| 30°   | 1137.4 | 1144.2 | 1141.9 | 1145.3 | 1136.3 | 1129.4 | 1110.1 | 1094.3 | 1078.4 | 1053.6 | 1026.3 |
| 32.5° | 1279.0 | 1288.0 | 1292.6 | 1305.0 | 1300.5 | 1298.2 | 1292.6 | 1270.0 | 1258.6 | 1215.5 | 1204.2 |
| 35°   | 1497.6 | 1493.1 | 1512.4 | 1522.5 | 1518.1 | 1515.7 | 1508.9 | 1496.5 | 1482.9 | 1452.3 | 1424.0 |
| 37.5° | 1782.0 | 1786.5 | 1793.3 | 1772.9 | 1759.3 | 1758.2 | 1737.8 | 1725.3 | 1706.1 | 1672.1 | 1638.1 |
| 40°   | 2303.1 | 2274.7 | 2243.0 | 2156.9 | 2119.5 | 2098.1 | 2038.0 | 2021.0 | 1988.1 | 1941.7 | 1906.6 |
| 42.5° | 2980.5 | 2952.2 | 2857.0 | 2713.1 | 2636.1 | 2529.6 | 2480.9 | 2420.9 | 2374.4 | 2298.5 | 2257.8 |
| 45°   | 3653.4 | 3571.8 | 3560.5 | 3392.9 | 3297.7 | 3157.2 | 3070.0 | 2969.2 | 2863.8 | 2764.1 | 2691.6 |
| 47.5° | 4221.0 | 4202.8 | 4147.4 | 4045.4 | 3957.0 | 3839.2 | 3727.1 | 3571.8 | 3463.1 | 3321.5 | 3191.2 |
| 50°   | 4675.3 | 4674.1 | 4653.7 | 4594.8 | 4521.1 | 4426.0 | 4327.5 | 4196.0 | 4072.6 | 3899.3 | 3759.9 |
| 52.5° | 5015.1 | 5033.2 | 5040.0 | 5021.9 | 4993.6 | 4909.7 | 4859.9 | 4750.0 | 4645.8 | 4498.5 | 4347.8 |
| 55°   | 5264.3 | 5331.2 | 5365.1 | 5403.7 | 5395.8 | 5366.3 | 5364.0 | 5292.7 | 5245.1 | 5128.4 | 5021.9 |
| 57.5° | 5572.5 | 5682.4 | 5787.7 | 5974.6 | 5981.4 | 6047.1 | 6081.2 | 6115.1 | 6124.1 | 6077.7 | 6042.5 |
| 60°   | 5964.4 | 6188.7 | 6388.1 | 6778.9 | 6880.9 | 7041.7 | 7146.0 | 7259.3 | 7355.6 | 7363.5 | 7361.3 |
| 62.5° | 6240.9 | 6586.4 | 6908.0 | 7488.1 | 7686.4 | 7872.1 | 8011.5 | 8121.4 | 8188.2 | 8256.1 | 8287.9 |
| 63°   | 6248.8 | 6627.1 | 6969.3 | 7567.4 | 7775.9 | 7952.6 | 8085.1 | 8187.0 | 8257.3 | 8298.1 | 8318.5 |
| 65°   | 6057.3 | 6516.1 | 6923.9 | 7519.9 | 7715.8 | 7893.6 | 7962.7 | 8029.6 | 8063.6 | 8079.5 | 8019.4 |
| 67.5° | 5134.1 | 5582.6 | 6058.5 | 6724.6 | 6892.2 | 7105.2 | 7161.8 | 7195.9 | 7211.7 | 7208.3 | 7157.3 |
| 70°   | 3839.2 | 4215.3 | 4744.3 | 5505.6 | 5727.7 | 5936.1 | 6065.2 | 6120.8 | 6138.9 | 6133.2 | 6057.3 |
| 72.5° | 2680.3 | 2901.2 | 3337.3 | 4184.8 | 4487.2 | 4754.5 | 4914.3 | 4997.0 | 5014.0 | 4980.0 | 4909.7 |
| 75°   | 2251.0 | 2262.2 | 2360.9 | 2824.2 | 3107.4 | 3392.9 | 3573.0 | 3625.1 | 3591.1 | 3488.0 | 3309.0 |
| 77.5° | 2009.7 | 2034.6 | 2034.6 | 2103.7 | 2159.2 | 2238.5 | 2255.5 | 2128.6 | 1981.3 | 1791.0 | 1636.9 |
| 80°   | 1685.7 | 1772.9 | 1834.1 | 1885.0 | 1890.7 | 1874.9 | 1832.9 | 1761.6 | 1648.3 | 1503.3 | 1342.4 |
| 82.5° | 1024.1 | 1196.3 | 1266.5 | 1529.3 | 1658.5 | 1745.7 | 1738.9 | 1643.7 | 1557.7 | 1407.0 | 1270.0 |
| 85°   | 258.3  | 278.7  | 302.5  | 393.1  | 440.7  | 538.1  | 599.3  | 627.6  | 637.8  | 585.7  | 530.1  |
| 87.5° | 24.9   | 17.0   | 28.3   | 21.5   | 30.6   | 22.7   | 30.6   | 28.3   | 35.2   | 37.4   | 40.7   |
| 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°    | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  |
| 2.5°  | 263.9  | 262.8  | 261.7  | 260.6  | 259.4  | 258.3  | 256.0  | 256.0  | 253.8  | 252.7  | 251.5  |
| 5°    | 293.4  | 291.2  | 290.0  | 287.7  | 284.4  | 282.0  | 278.7  | 274.1  | 270.8  | 269.6  | 267.4  |
| 7.5°  | 330.8  | 325.1  | 322.9  | 319.4  | 314.9  | 308.1  | 303.6  | 300.2  | 294.5  | 291.2  | 284.4  |
| 10°   | 372.7  | 367.1  | 360.3  | 353.5  | 346.6  | 338.7  | 333.0  | 328.6  | 319.4  | 314.9  | 307.0  |
| 12.5° | 426.0  | 415.7  | 407.8  | 398.8  | 389.7  | 380.7  | 373.9  | 360.3  | 352.3  | 342.1  | 335.4  |
| 15°   | 480.3  | 471.3  | 462.2  | 450.9  | 437.3  | 422.5  | 415.7  | 403.3  | 393.1  | 377.2  | 368.2  |
| 17.5° | 546.0  | 529.0  | 515.4  | 501.9  | 489.4  | 475.8  | 462.2  | 443.0  | 428.2  | 414.6  | 396.5  |
| 20°   | 610.6  | 590.2  | 575.4  | 557.4  | 539.3  | 517.7  | 501.9  | 488.3  | 467.9  | 449.8  | 430.5  |
| 22.5° | 679.7  | 659.4  | 635.5  | 617.4  | 592.5  | 575.4  | 554.0  | 531.3  | 510.9  | 487.2  | 463.4  |
| 25°   | 763.5  | 742.1  | 714.8  | 691.1  | 662.7  | 638.9  | 612.8  | 586.8  | 561.9  | 534.7  | 504.1  |
| 27.5° | 866.6  | 844.0  | 814.5  | 786.2  | 748.8  | 719.4  | 694.4  | 659.4  | 627.6  | 593.6  | 558.5  |
| 30°   | 996.9  | 972.0  | 935.7  | 895.0  | 857.6  | 824.7  | 789.6  | 743.2  | 708.0  | 667.3  | 622.0  |
| 32.5° | 1166.8 | 1137.4 | 1088.7 | 1050.1 | 1003.7 | 960.7  | 911.9  | 865.5  | 815.6  | 762.4  | 710.3  |
| 35°   | 1380.9 | 1353.8 | 1297.1 | 1240.5 | 1189.5 | 1138.5 | 1077.3 | 1024.1 | 953.9  | 889.3  | 822.4  |
| 37.5° | 1603.0 | 1554.2 | 1502.1 | 1440.9 | 1377.5 | 1316.4 | 1241.6 | 1168.0 | 1087.5 | 1017.3 | 933.5  |
| 40°   | 1856.8 | 1797.8 | 1754.8 | 1689.0 | 1599.5 | 1512.4 | 1443.3 | 1351.5 | 1250.7 | 1156.7 | 1058.1 |
| 42.5° | 2204.5 | 2138.8 | 2061.8 | 1962.1 | 1897.5 | 1795.5 | 1706.1 | 1597.3 | 1464.8 | 1359.5 | 1240.5 |
| 45°   | 2606.7 | 2517.2 | 2442.4 | 2346.2 | 2267.9 | 2141.0 | 2036.8 | 1891.8 | 1759.3 | 1621.1 | 1476.1 |
| 47.5° | 3065.5 | 2954.4 | 2845.7 | 2750.5 | 2626.0 | 2501.3 | 2368.8 | 2214.7 | 2044.8 | 1892.9 | 1720.8 |
| 50°   | 3592.2 | 3434.8 | 3284.1 | 3161.8 | 2990.7 | 2846.8 | 2703.0 | 2529.6 | 2341.6 | 2167.2 | 1971.2 |
| 52.5° | 4177.9 | 3995.6 | 3796.1 | 3608.1 | 3409.9 | 3225.2 | 3051.9 | 2852.5 | 2642.9 | 2430.0 | 2211.3 |
| 55°   | 4884.9 | 4747.7 | 4513.2 | 4274.3 | 4009.1 | 3762.2 | 3539.0 | 3292.0 | 3037.1 | 2757.3 | 2527.4 |
| 57.5° | 5991.6 | 5924.8 | 5728.8 | 5489.8 | 5144.2 | 4844.0 | 4465.7 | 4163.2 | 3793.9 | 3408.8 | 3111.9 |
| 60°   | 7491.5 | 7408.8 | 7298.9 | 7105.2 | 6831.0 | 6423.2 | 6006.4 | 5536.2 | 4974.4 | 4440.8 | 3934.3 |
| 62.5° | 8291.3 | 8261.8 | 8172.3 | 8038.7 | 7782.7 | 7460.9 | 7040.6 | 6524.0 | 5889.6 | 5241.7 | 4595.9 |
| 63°   | 8315.1 | 8277.7 | 8200.7 | 8064.7 | 7839.3 | 7527.8 | 7115.4 | 6613.5 | 5992.8 | 5332.3 | 4673.0 |
| 65°   | 7993.4 | 7978.7 | 7900.4 | 7752.0 | 7598.0 | 7360.0 | 7040.6 | 6609.0 | 6087.9 | 5463.8 | 4807.8 |
| 67.5° | 7089.3 | 7045.2 | 6925.1 | 6879.8 | 6772.1 | 6606.7 | 6363.2 | 6066.4 | 5693.7 | 5203.2 | 4636.8 |
| 70°   | 5996.1 | 5930.5 | 5779.8 | 5699.4 | 5567.9 | 5463.8 | 5315.3 | 5103.5 | 4873.5 | 4531.4 | 4108.9 |
| 72.5° | 4837.2 | 4701.3 | 4563.1 | 4353.5 | 4170.0 | 3984.2 | 3819.9 | 3670.4 | 3417.8 | 3279.6 | 2959.0 |
| 75°   | 3141.4 | 2894.4 | 2657.7 | 2340.5 | 2055.0 | 1802.3 | 1556.6 | 1431.9 | 1172.5 | 1067.2 | 916.5  |
| 77.5° | 1490.8 | 1352.7 | 1166.8 | 1023.0 | 839.4  | 685.4  | 559.6  | 420.3  | 329.7  | 258.3  | 197.1  |
| 80°   | 1203.1 | 1086.4 | 974.2  | 844.0  | 705.8  | 563.0  | 431.6  | 322.9  | 228.8  | 158.6  | 112.2  |
| 82.5° | 1072.8 | 946.0  | 807.7  | 718.2  | 624.2  | 510.9  | 419.2  | 342.1  | 252.7  | 184.7  | 125.8  |
| 85°   | 416.9  | 351.2  | 270.8  | 220.9  | 172.2  | 141.6  | 128.0  | 88.4   | 69.1   | 54.4   | 42.0   |
| 87.5° | 36.3   | 29.5   | 23.8   | 15.8   | 17.0   | 9.0    | 10.2   | 6.8    | 5.7    | 5.7    | 4.6    |
| 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: P180387

CATALOG NUMBER: ICM-E04-LED-E1-SL2-HSS-7030

**CANDELA DISTRIBUTION (continued):**

|       | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 95°   | 105°  | 115°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1  | 239.1 | 239.1 | 239.1 |
| 2.5°  | 250.3  | 249.2  | 248.1  | 245.9  | 245.9  | 243.5  | 242.4  | 241.3  | 235.6 | 223.2 | 212.9 |
| 5°    | 262.8  | 260.6  | 258.3  | 254.9  | 252.7  | 249.2  | 247.0  | 243.5  | 231.1 | 207.4 | 186.9 |
| 7.5°  | 280.9  | 276.4  | 273.0  | 266.2  | 262.8  | 258.3  | 254.9  | 249.2  | 228.8 | 192.6 | 164.3 |
| 10°   | 302.5  | 294.5  | 288.8  | 280.9  | 274.1  | 268.5  | 262.8  | 254.9  | 226.6 | 176.7 | 143.9 |
| 12.5° | 328.6  | 319.4  | 308.1  | 299.1  | 290.0  | 282.0  | 274.1  | 263.9  | 223.2 | 163.2 | 128.0 |
| 15°   | 354.6  | 341.0  | 333.0  | 320.6  | 308.1  | 296.8  | 285.5  | 276.4  | 224.3 | 148.4 | 114.4 |
| 17.5° | 384.0  | 370.4  | 353.5  | 339.8  | 326.2  | 311.5  | 298.0  | 279.8  | 218.6 | 137.1 | 104.2 |
| 20°   | 412.4  | 393.1  | 377.2  | 360.3  | 341.0  | 322.9  | 305.9  | 290.0  | 214.1 | 125.8 | 95.2  |
| 22.5° | 443.0  | 420.3  | 399.9  | 378.3  | 354.6  | 334.2  | 313.8  | 293.4  | 206.1 | 115.5 | 87.3  |
| 25°   | 480.3  | 454.2  | 424.8  | 398.8  | 373.9  | 348.9  | 322.9  | 298.0  | 198.2 | 106.5 | 81.6  |
| 27.5° | 525.7  | 491.6  | 462.2  | 429.3  | 394.2  | 362.5  | 334.2  | 307.0  | 190.3 | 99.7  | 75.9  |
| 30°   | 583.4  | 543.7  | 501.9  | 459.9  | 422.5  | 386.3  | 346.6  | 312.7  | 182.4 | 92.9  | 70.2  |
| 32.5° | 660.5  | 610.6  | 559.6  | 510.9  | 461.0  | 414.6  | 372.7  | 328.6  | 177.9 | 87.3  | 64.6  |
| 35°   | 762.4  | 697.9  | 635.5  | 574.3  | 514.3  | 457.7  | 403.3  | 353.5  | 177.9 | 80.5  | 57.8  |
| 37.5° | 858.7  | 783.9  | 704.7  | 628.7  | 557.4  | 491.6  | 427.1  | 367.1  | 168.8 | 74.8  | 52.1  |
| 40°   | 962.9  | 873.4  | 780.6  | 691.1  | 604.9  | 523.4  | 449.8  | 380.7  | 160.8 | 68.0  | 46.4  |
| 42.5° | 1122.6 | 1009.4 | 888.2  | 783.9  | 680.8  | 580.0  | 488.3  | 406.7  | 150.7 | 61.2  | 40.7  |
| 45°   | 1332.2 | 1188.4 | 1045.6 | 918.7  | 787.4  | 663.8  | 555.1  | 454.2  | 148.4 | 55.5  | 35.2  |
| 47.5° | 1556.6 | 1386.6 | 1219.0 | 1056.9 | 902.9  | 759.0  | 628.7  | 507.5  | 148.4 | 49.9  | 30.6  |
| 50°   | 1779.7 | 1566.7 | 1387.7 | 1199.7 | 1026.3 | 856.5  | 701.2  | 563.0  | 149.5 | 45.3  | 24.9  |
| 52.5° | 1981.3 | 1753.7 | 1553.1 | 1335.6 | 1144.2 | 947.1  | 778.2  | 617.4  | 147.3 | 39.6  | 20.4  |
| 55°   | 2261.1 | 1993.8 | 1761.6 | 1521.4 | 1297.1 | 1075.1 | 883.6  | 699.0  | 148.4 | 35.2  | 17.0  |
| 57.5° | 2776.6 | 2462.8 | 2183.0 | 1868.1 | 1609.8 | 1323.2 | 1090.9 | 866.6  | 162.0 | 29.5  | 12.5  |
| 60°   | 3516.4 | 3108.5 | 2715.5 | 2331.4 | 2002.9 | 1661.9 | 1360.6 | 1096.6 | 190.3 | 23.8  | 9.0   |
| 62.5° | 4013.7 | 3480.1 | 3011.1 | 2587.5 | 2205.7 | 1848.8 | 1520.3 | 1220.1 | 209.6 | 19.3  | 5.7   |
| 63°   | 4064.7 | 3513.0 | 3041.7 | 2604.4 | 2214.7 | 1857.9 | 1527.1 | 1229.1 | 210.7 | 18.1  | 5.7   |
| 65°   | 4161.0 | 3569.6 | 3058.7 | 2607.8 | 2205.7 | 1845.4 | 1522.5 | 1228.0 | 212.9 | 14.7  | 4.6   |
| 67.5° | 4051.1 | 3482.3 | 2960.1 | 2510.3 | 2126.3 | 1771.7 | 1465.9 | 1182.7 | 211.8 | 10.2  | 3.4   |
| 70°   | 3622.8 | 3151.6 | 2692.8 | 2273.6 | 1924.7 | 1604.1 | 1334.5 | 1078.4 | 194.9 | 6.8   | 2.2   |
| 72.5° | 2659.9 | 2339.4 | 1983.6 | 1681.1 | 1450.1 | 1204.2 | 1027.4 | 810.0  | 150.7 | 4.6   | 1.1   |
| 75°   | 788.5  | 718.2  | 603.8  | 532.5  | 470.1  | 388.6  | 345.5  | 269.6  | 77.0  | 2.2   | 0.0   |
| 77.5° | 157.5  | 142.7  | 128.0  | 116.7  | 109.9  | 94.0   | 89.5   | 73.7   | 31.7  | 1.1   | 0.0   |
| 80°   | 82.7   | 68.0   | 57.8   | 51.0   | 44.2   | 36.3   | 30.6   | 24.9   | 5.7   | 0.0   | 0.0   |
| 82.5° | 79.3   | 53.2   | 38.5   | 31.7   | 27.2   | 21.5   | 17.0   | 12.5   | 3.4   | 0.0   | 0.0   |
| 85°   | 29.5   | 22.7   | 17.0   | 13.6   | 11.3   | 10.2   | 7.9    | 6.8    | 0.0   | 0.0   | 0.0   |
| 87.5° | 4.6    | 3.4    | 3.4    | 2.2    | 2.2    | 1.1    | 1.1    | 1.1    | 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: P180387

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**CANDELA DISTRIBUTION (continued):**

|       | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 239.1 | 239.1 | 239.1 | 239.1 | 239.1 | 239.1 | 239.1 |
| 2.5°  | 202.8 | 193.7 | 189.2 | 183.5 | 183.5 | 182.4 | 184.7 |
| 5°    | 168.8 | 156.4 | 147.3 | 140.5 | 141.6 | 138.2 | 139.3 |
| 7.5°  | 142.7 | 130.2 | 122.3 | 117.9 | 116.7 | 115.5 | 115.5 |
| 10°   | 123.4 | 112.2 | 105.4 | 102.0 | 100.8 | 100.8 | 100.8 |
| 12.5° | 109.9 | 98.5  | 92.9  | 90.6  | 90.6  | 89.5  | 89.5  |
| 15°   | 98.5  | 89.5  | 83.8  | 81.6  | 81.6  | 80.5  | 81.6  |
| 17.5° | 89.5  | 80.5  | 75.9  | 73.7  | 73.7  | 72.5  | 72.5  |
| 20°   | 81.6  | 73.7  | 69.1  | 65.7  | 65.7  | 64.6  | 65.7  |
| 22.5° | 74.8  | 66.9  | 61.2  | 58.9  | 57.8  | 56.7  | 57.8  |
| 25°   | 68.0  | 60.0  | 54.4  | 51.0  | 49.9  | 49.9  | 48.7  |
| 27.5° | 62.3  | 54.4  | 47.5  | 44.2  | 43.1  | 43.1  | 42.0  |
| 30°   | 56.7  | 47.5  | 40.7  | 37.4  | 36.3  | 36.3  | 36.3  |
| 32.5° | 51.0  | 40.7  | 35.2  | 31.7  | 30.6  | 30.6  | 30.6  |
| 35°   | 45.3  | 35.2  | 29.5  | 26.0  | 24.9  | 24.9  | 24.9  |
| 37.5° | 38.5  | 29.5  | 22.7  | 20.4  | 19.3  | 18.1  | 18.1  |
| 40°   | 32.8  | 22.7  | 17.0  | 14.7  | 12.5  | 12.5  | 12.5  |
| 42.5° | 27.2  | 18.1  | 12.5  | 9.0   | 7.9   | 6.8   | 7.9   |
| 45°   | 22.7  | 13.6  | 7.9   | 4.6   | 3.4   | 3.4   | 3.4   |
| 47.5° | 18.1  | 9.0   | 3.4   | 1.1   | 1.1   | 1.1   | 1.1   |
| 50°   | 13.6  | 5.7   | 1.1   | 0.0   | 0.0   | 1.1   | 1.1   |
| 52.5° | 10.2  | 3.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°   | 5.7   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 3.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 2.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 63°   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 1.1   | 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)