

Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1503172

Luminaire Tested: PRV-P-30-8540-U-T4RE-HSS

Issue Date: 07/22/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503172  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 7/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: PRV-P-30-8540-U-T4RE-HSS  
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE IV  
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD  
Light Source: (10) 4000k CCT, 85 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2836 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 32.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): 10.0%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

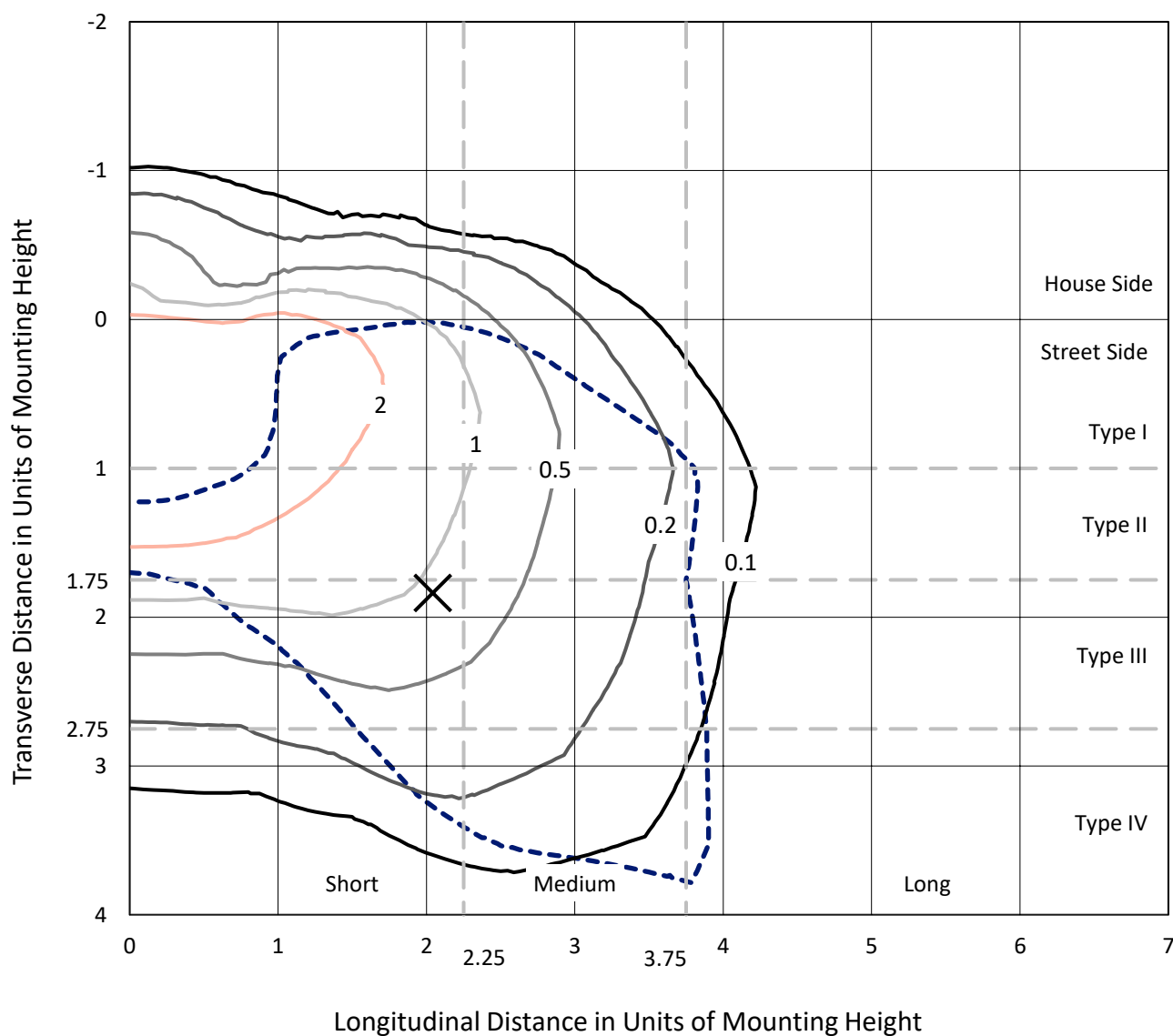
REPORT NUMBER: P1503172

CATALOG NUMBER: PRV-P-30-8540-U-T4RE-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

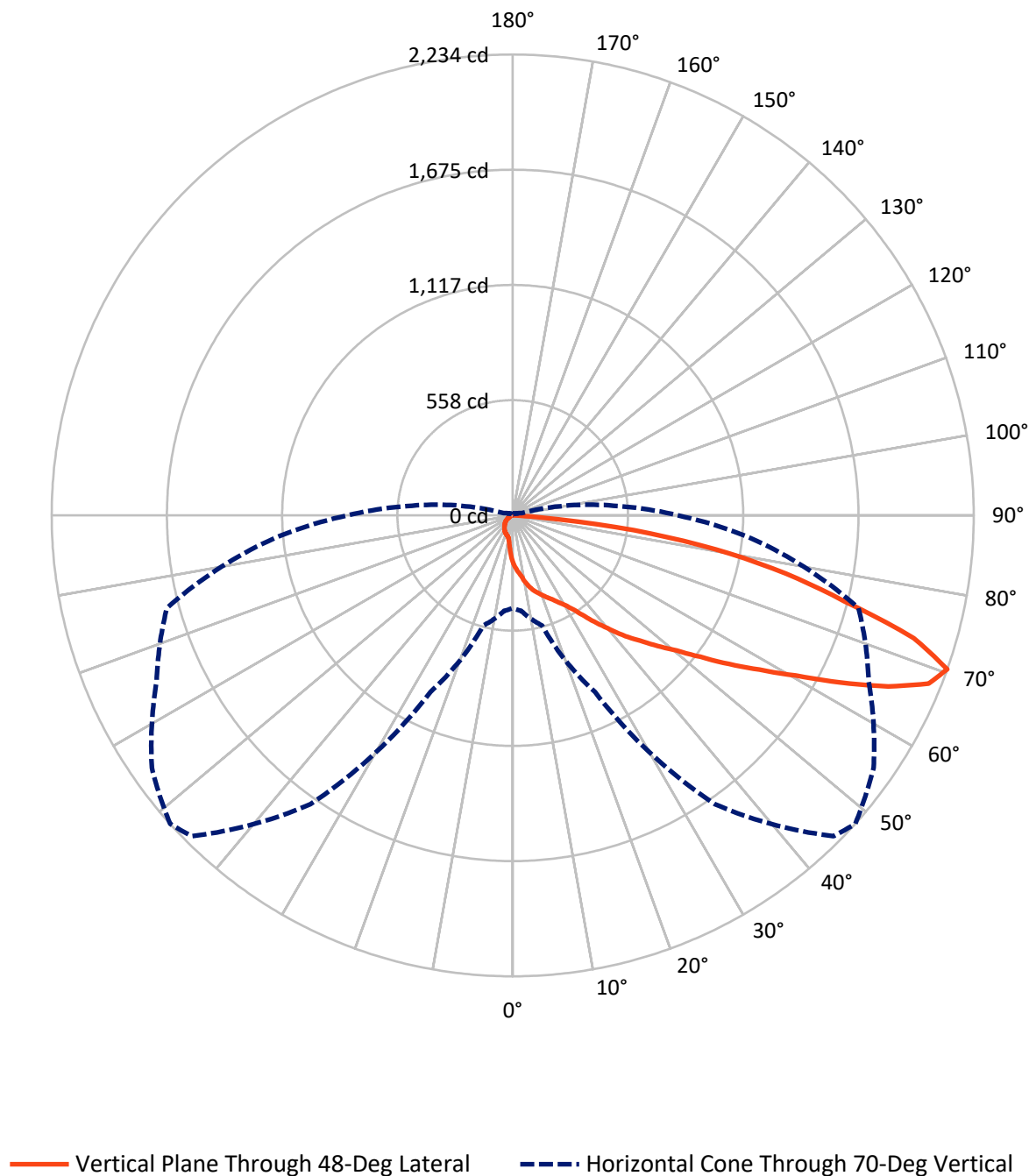


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc  
Type IV - Short - N/A

REPORT NUMBER: P1503172

CATALOG NUMBER: PRV-P-30-8540-U-T4RE-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P1503172

CATALOG NUMBER: PRV-P-30-8540-U-T4RE-HSS

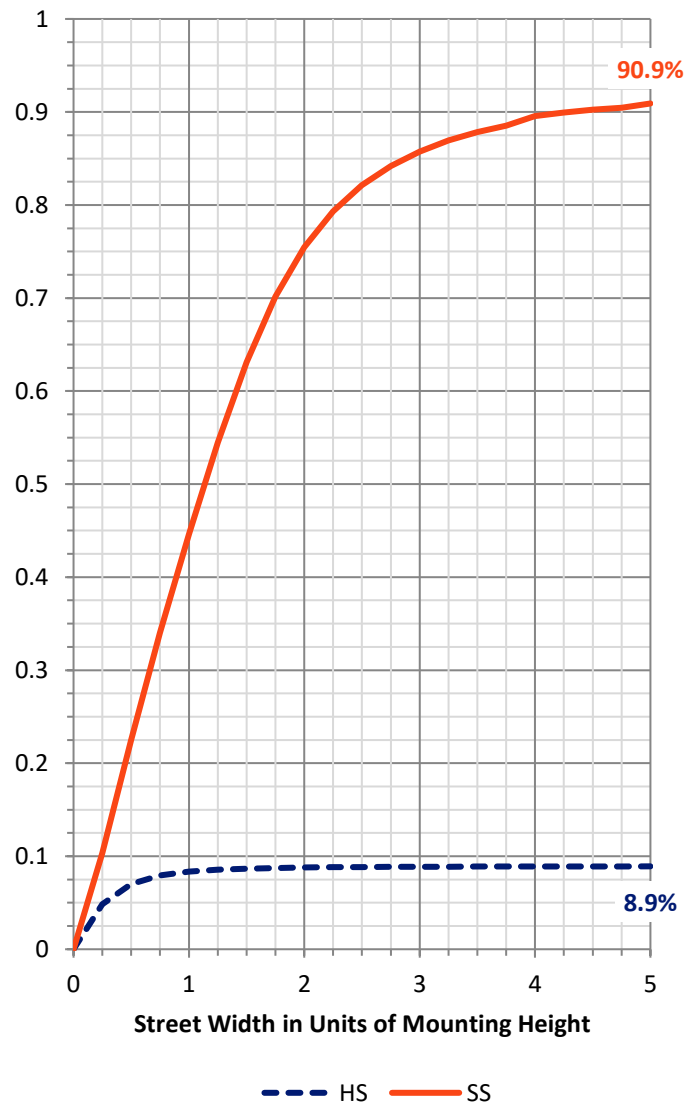
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 254.6    | 0.0    | 254.6  |
|                    | % Fixture | 9.0      | 0.0    | 9.0    |
| <b>Street Side</b> | Lumens    | 2581.4   | 0.0    | 2581.4 |
|                    | % Fixture | 91.0     | 0.0    | 91.0   |
| <b>Total</b>       | Lumens    | 2836.0   | 0.0    | 2836.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.3   | 0.8       |
| 10°-20°   | 68.1   | 2.4       |
| 20°-30°   | 123.7  | 4.4       |
| 30°-40°   | 211.1  | 7.4       |
| 40°-50°   | 388.6  | 13.7      |
| 50°-60°   | 632.8  | 22.3      |
| 60°-70°   | 803.7  | 28.3      |
| 70°-80°   | 526.0  | 18.5      |
| 80°-90°   | 60.7   | 2.1       |
| 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°    | 2836.0 | 100.0     |
| 0°-180°   | 2836.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P1503172

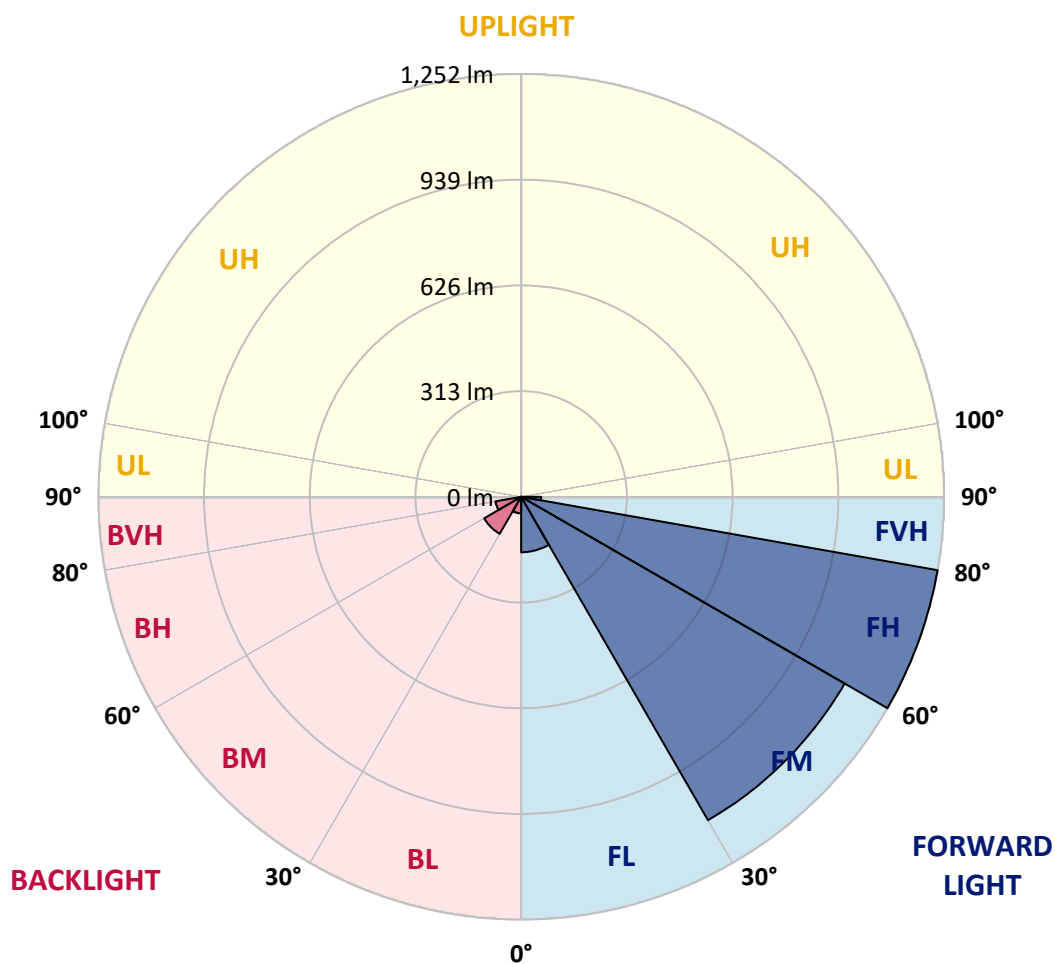
CATALOG NUMBER: PRV-P-30-8540-U-T4RE-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 164.1  | 5.8       |                         |      |         |
| FM   | (30°-60°)   | 1105.9 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 1252.2 | 44.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 59.1   | 2.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 49.0   | 1.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 126.7  | 4.5       | B0/220                  |      |         |
| BH   | (60°-80°)   | 77.4   | 2.7       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.5    | 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-G1**

Type IV Short



REPORT NUMBER: P1503172

CATALOG NUMBER: PRV-P-30-8540-U-T4RE-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 48°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 229.4  | 229.4  | 229.4  | 229.4  | 229.4  | 229.4  | 229.4  | 229.4  | 229.4  | 229.4  | 229.4  |
| 2.5°  | 261.9  | 261.9  | 261.1  | 260.2  | 258.4  | 254.9  | 253.2  | 249.6  | 245.2  | 240.0  | 233.8  |
| 5°    | 296.2  | 291.8  | 293.6  | 290.1  | 283.0  | 275.1  | 273.4  | 267.2  | 258.4  | 248.8  | 237.3  |
| 7.5°  | 335.8  | 335.8  | 331.4  | 326.1  | 317.3  | 300.6  | 296.2  | 284.8  | 270.7  | 256.7  | 239.1  |
| 10°   | 367.4  | 365.7  | 363.0  | 358.6  | 350.7  | 332.3  | 327.0  | 312.0  | 285.7  | 264.6  | 242.6  |
| 12.5° | 386.8  | 385.0  | 383.2  | 379.7  | 371.8  | 360.4  | 354.2  | 340.2  | 307.7  | 275.1  | 248.8  |
| 15°   | 399.9  | 399.1  | 397.3  | 395.6  | 389.4  | 382.4  | 376.2  | 365.7  | 334.9  | 292.7  | 257.5  |
| 17.5° | 407.0  | 407.0  | 407.0  | 407.0  | 405.2  | 398.2  | 394.7  | 387.6  | 363.0  | 312.0  | 266.3  |
| 20°   | 415.8  | 416.7  | 416.7  | 418.4  | 418.4  | 416.7  | 413.1  | 408.7  | 390.3  | 337.5  | 276.9  |
| 22.5° | 425.4  | 427.2  | 429.0  | 432.5  | 433.4  | 433.4  | 432.5  | 429.8  | 416.7  | 366.5  | 289.2  |
| 25°   | 440.4  | 440.4  | 442.1  | 447.4  | 451.8  | 455.3  | 452.7  | 453.6  | 442.1  | 399.1  | 304.1  |
| 27.5° | 465.9  | 462.4  | 463.2  | 465.9  | 472.9  | 478.2  | 478.2  | 478.2  | 470.3  | 433.4  | 322.6  |
| 30°   | 491.4  | 491.4  | 493.1  | 493.1  | 499.3  | 507.2  | 506.3  | 508.9  | 501.0  | 472.0  | 346.3  |
| 32.5° | 523.9  | 523.9  | 524.8  | 529.2  | 536.2  | 545.0  | 545.0  | 554.7  | 544.1  | 516.0  | 380.6  |
| 35°   | 560.8  | 561.7  | 568.7  | 577.5  | 584.5  | 596.0  | 599.5  | 612.7  | 607.4  | 579.3  | 429.0  |
| 37.5° | 602.1  | 604.8  | 615.3  | 629.4  | 633.8  | 655.7  | 661.9  | 674.2  | 689.1  | 684.7  | 515.1  |
| 40°   | 648.7  | 649.6  | 663.7  | 683.0  | 692.7  | 717.3  | 726.1  | 753.3  | 791.1  | 809.6  | 642.6  |
| 42.5° | 726.1  | 722.5  | 726.9  | 749.8  | 752.4  | 784.1  | 799.9  | 835.1  | 895.7  | 945.8  | 775.3  |
| 45°   | 849.1  | 842.1  | 824.5  | 814.0  | 800.8  | 849.1  | 866.7  | 913.3  | 1013.5 | 1068.0 | 896.6  |
| 47.5° | 978.3  | 969.5  | 945.8  | 924.7  | 881.6  | 923.8  | 944.9  | 1004.7 | 1112.8 | 1177.0 | 994.2  |
| 50°   | 1089.1 | 1085.6 | 1068.0 | 1046.0 | 996.8  | 1010.9 | 1030.2 | 1111.1 | 1209.5 | 1292.1 | 1083.8 |
| 52.5° | 1170.0 | 1167.3 | 1164.7 | 1168.2 | 1126.0 | 1126.0 | 1138.3 | 1219.2 | 1304.5 | 1384.4 | 1162.1 |
| 55°   | 1229.7 | 1232.4 | 1235.0 | 1265.8 | 1255.2 | 1248.2 | 1271.9 | 1332.6 | 1403.8 | 1476.7 | 1229.7 |
| 57.5° | 1220.1 | 1228.9 | 1298.3 | 1358.9 | 1374.8 | 1400.3 | 1409.1 | 1455.6 | 1508.4 | 1573.4 | 1296.5 |
| 60°   | 1084.7 | 1097.9 | 1207.8 | 1449.5 | 1515.4 | 1563.8 | 1575.2 | 1594.5 | 1617.4 | 1689.5 | 1395.9 |
| 62.5° | 942.3  | 952.8  | 1049.5 | 1434.5 | 1667.5 | 1776.5 | 1781.8 | 1783.5 | 1762.4 | 1832.7 | 1478.5 |
| 65°   | 818.4  | 828.9  | 907.1  | 1303.6 | 1798.5 | 1999.7 | 1998.9 | 1960.2 | 1913.6 | 1905.7 | 1450.4 |
| 67.5° | 638.2  | 654.9  | 748.9  | 1118.1 | 1816.0 | 2177.3 | 2173.8 | 2105.2 | 1998.9 | 1864.4 | 1320.3 |
| 70°   | 450.1  | 464.1  | 552.9  | 944.1  | 1707.9 | 2198.4 | 2233.6 | 2134.2 | 1903.1 | 1734.3 | 1130.4 |
| 72.5° | 357.8  | 371.8  | 432.5  | 759.5  | 1613.9 | 2012.1 | 2032.3 | 1911.8 | 1669.2 | 1501.3 | 866.7  |
| 75°   | 212.7  | 230.3  | 296.2  | 543.2  | 1460.0 | 1700.0 | 1656.9 | 1609.5 | 1342.2 | 1247.3 | 633.8  |
| 77.5° | 92.3   | 102.8  | 151.2  | 290.1  | 1014.4 | 1417.8 | 1354.6 | 1203.4 | 930.0  | 841.2  | 353.4  |
| 80°   | 44.0   | 46.6   | 56.3   | 116.9  | 483.5  | 1015.3 | 999.4  | 814.8  | 512.5  | 396.4  | 129.2  |
| 82.5° | 22.9   | 23.7   | 33.4   | 48.3   | 156.5  | 536.2  | 592.5  | 463.2  | 206.6  | 114.3  | 24.6   |
| 85°   | 8.8    | 10.5   | 14.1   | 22.9   | 29.0   | 121.3  | 141.5  | 155.6  | 63.3   | 22.0   | 10.5   |
| 87.5° | 0.9    | 1.8    | 2.6    | 3.5    | 4.4    | 5.3    | 5.3    | 6.2    | 5.3    | 2.6    | 1.8    |
| 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: P1503172

CATALOG NUMBER: PRV-P-30-8540-U-T4RE-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 229.4  | 229.4 | 229.4 | 229.4 | 229.4 | 229.4 | 229.4 | 229.4 | 229.4 | 229.4 | 229.4 |
| 2.5°  | 230.3  | 226.8 | 218.0 | 211.8 | 203.9 | 196.0 | 191.6 | 185.5 | 182.8 | 183.7 | 182.8 |
| 5°    | 229.4  | 222.4 | 204.8 | 186.4 | 173.2 | 159.1 | 152.1 | 143.3 | 140.6 | 138.0 | 140.6 |
| 7.5°  | 229.4  | 217.1 | 189.9 | 163.5 | 144.2 | 131.0 | 122.2 | 117.8 | 116.0 | 116.0 | 116.0 |
| 10°   | 229.4  | 211.8 | 175.8 | 143.3 | 122.2 | 111.6 | 109.9 | 110.8 | 111.6 | 112.5 | 112.5 |
| 12.5° | 231.2  | 209.2 | 160.9 | 126.6 | 107.2 | 104.6 | 106.4 | 108.1 | 109.9 | 109.9 | 110.8 |
| 15°   | 234.7  | 207.4 | 149.4 | 111.6 | 102.0 | 102.0 | 102.8 | 104.6 | 106.4 | 107.2 | 107.2 |
| 17.5° | 240.0  | 205.7 | 137.1 | 102.8 | 98.4  | 98.4  | 99.3  | 100.2 | 102.8 | 103.7 | 103.7 |
| 20°   | 245.2  | 203.9 | 126.6 | 97.6  | 95.8  | 95.8  | 95.8  | 96.7  | 98.4  | 99.3  | 99.3  |
| 22.5° | 252.3  | 203.1 | 115.2 | 94.1  | 92.3  | 92.3  | 92.3  | 92.3  | 93.2  | 94.1  | 94.1  |
| 25°   | 259.3  | 202.2 | 104.6 | 90.5  | 89.7  | 88.8  | 87.9  | 87.9  | 87.9  | 88.8  | 88.8  |
| 27.5° | 268.1  | 201.3 | 94.9  | 86.1  | 85.3  | 84.4  | 84.4  | 82.6  | 83.5  | 84.4  | 83.5  |
| 30°   | 280.4  | 201.3 | 87.9  | 81.7  | 80.0  | 80.0  | 79.1  | 77.4  | 78.2  | 78.2  | 78.2  |
| 32.5° | 300.6  | 208.3 | 84.4  | 77.4  | 74.7  | 74.7  | 73.0  | 72.1  | 72.1  | 72.1  | 72.1  |
| 35°   | 331.4  | 225.0 | 85.3  | 75.6  | 71.2  | 68.6  | 66.8  | 65.9  | 65.0  | 64.2  | 64.2  |
| 37.5° | 381.5  | 247.0 | 91.4  | 76.5  | 67.7  | 64.2  | 61.5  | 58.9  | 57.1  | 55.4  | 54.5  |
| 40°   | 472.9  | 301.5 | 100.2 | 80.0  | 65.0  | 58.9  | 55.4  | 51.0  | 47.5  | 45.7  | 44.0  |
| 42.5° | 577.5  | 371.8 | 112.5 | 82.6  | 63.3  | 53.6  | 48.3  | 43.1  | 39.6  | 36.9  | 36.0  |
| 45°   | 667.2  | 440.4 | 141.5 | 83.5  | 59.8  | 49.2  | 42.2  | 36.0  | 33.4  | 30.8  | 29.9  |
| 47.5° | 734.9  | 492.2 | 171.4 | 81.7  | 57.1  | 44.8  | 36.0  | 30.8  | 28.1  | 25.5  | 24.6  |
| 50°   | 798.1  | 533.6 | 193.4 | 77.4  | 54.5  | 40.4  | 30.8  | 26.4  | 23.7  | 22.0  | 21.1  |
| 52.5° | 847.4  | 565.2 | 208.3 | 72.1  | 51.0  | 36.0  | 27.2  | 22.9  | 20.2  | 19.3  | 19.3  |
| 55°   | 894.0  | 596.8 | 218.9 | 68.6  | 46.6  | 30.8  | 23.7  | 21.1  | 18.5  | 17.6  | 17.6  |
| 57.5° | 937.0  | 632.9 | 235.6 | 65.0  | 39.6  | 27.2  | 21.1  | 19.3  | 17.6  | 15.8  | 14.9  |
| 60°   | 1015.3 | 706.7 | 247.9 | 52.7  | 32.5  | 23.7  | 19.3  | 17.6  | 15.8  | 14.1  | 14.1  |
| 62.5° | 1077.7 | 749.8 | 211.8 | 34.3  | 27.2  | 21.1  | 18.5  | 15.8  | 14.1  | 12.3  | 12.3  |
| 65°   | 1051.3 | 718.2 | 145.9 | 27.2  | 22.9  | 19.3  | 15.8  | 14.1  | 11.4  | 9.7   | 9.7   |
| 67.5° | 949.3  | 635.5 | 87.9  | 22.9  | 19.3  | 16.7  | 14.1  | 11.4  | 8.8   | 7.0   | 7.0   |
| 70°   | 799.9  | 514.2 | 45.7  | 19.3  | 15.8  | 13.2  | 10.5  | 8.8   | 6.2   | 5.3   | 4.4   |
| 72.5° | 618.8  | 346.3 | 22.9  | 16.7  | 14.1  | 11.4  | 8.8   | 7.0   | 4.4   | 3.5   | 2.6   |
| 75°   | 427.2  | 216.2 | 17.6  | 14.1  | 11.4  | 8.8   | 7.0   | 5.3   | 2.6   | 1.8   | 1.8   |
| 77.5° | 225.0  | 106.4 | 14.1  | 12.3  | 9.7   | 7.9   | 5.3   | 3.5   | 1.8   | 0.9   | 0.9   |
| 80°   | 84.4   | 31.6  | 11.4  | 9.7   | 7.9   | 6.2   | 3.5   | 1.8   | 0.9   | 0.0   | 0.0   |
| 82.5° | 15.8   | 9.7   | 7.0   | 7.0   | 5.3   | 3.5   | 1.8   | 0.9   | 0.0   | 0.0   | 0.0   |
| 85°   | 7.9    | 5.3   | 2.6   | 2.6   | 1.8   | 0.9   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 1.8    | 1.8   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)