

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: LUMARK

Report Number: P511024

Luminaire Tested: **PRV-P-C25-D-UNV-T1**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-C25-D-UNV-T1  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 1650mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12448 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

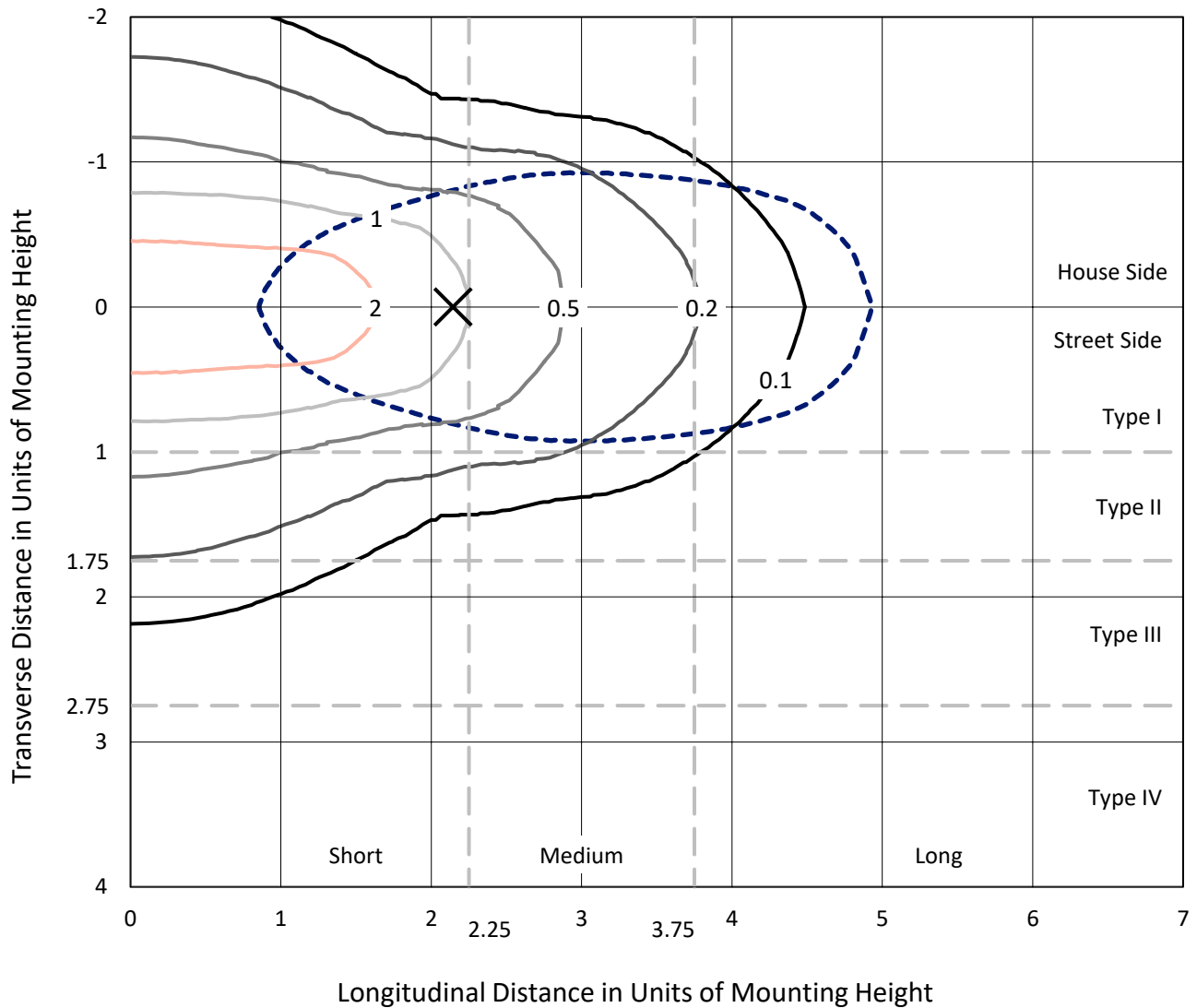
Input Watts (W): 94.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

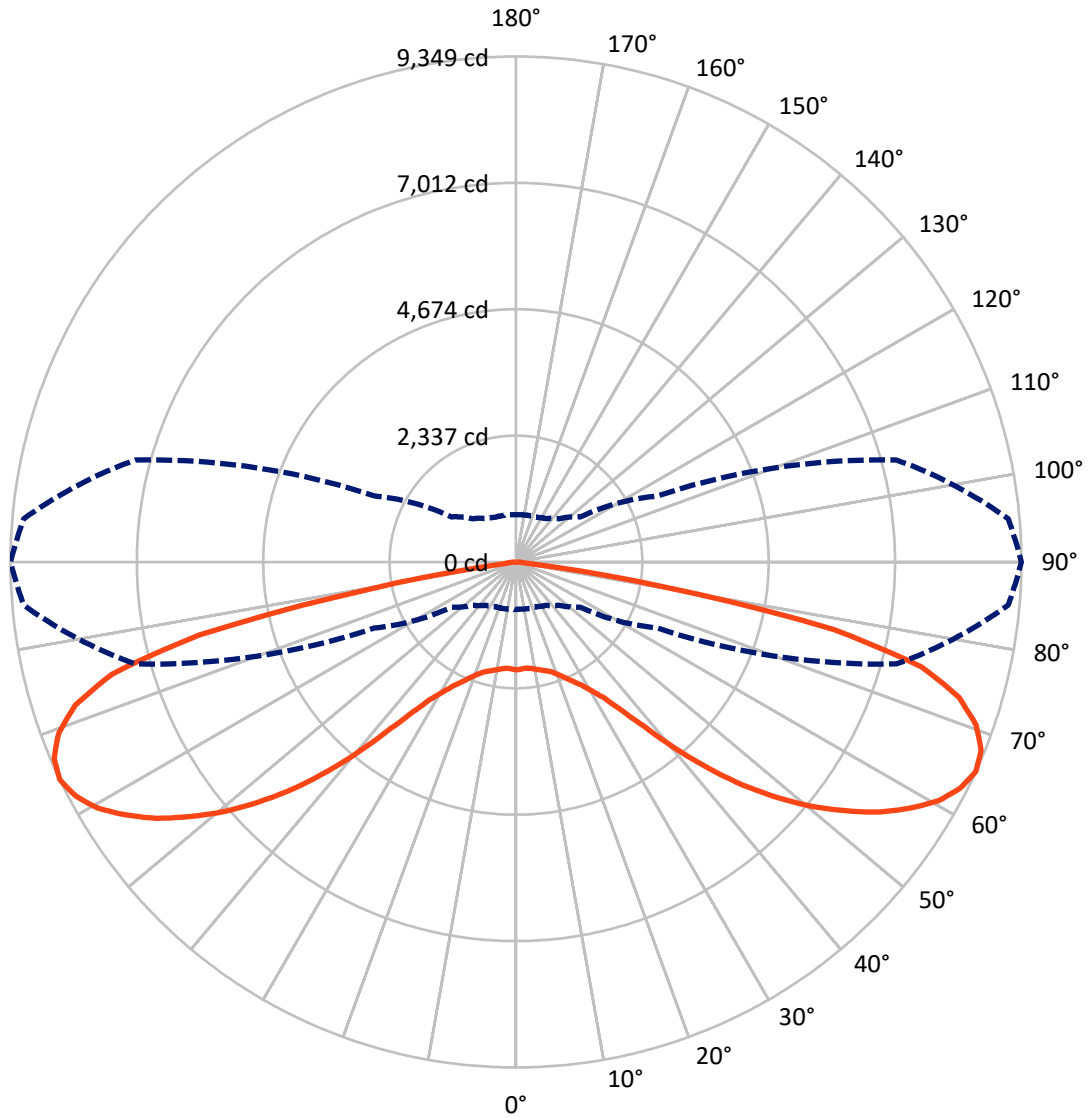
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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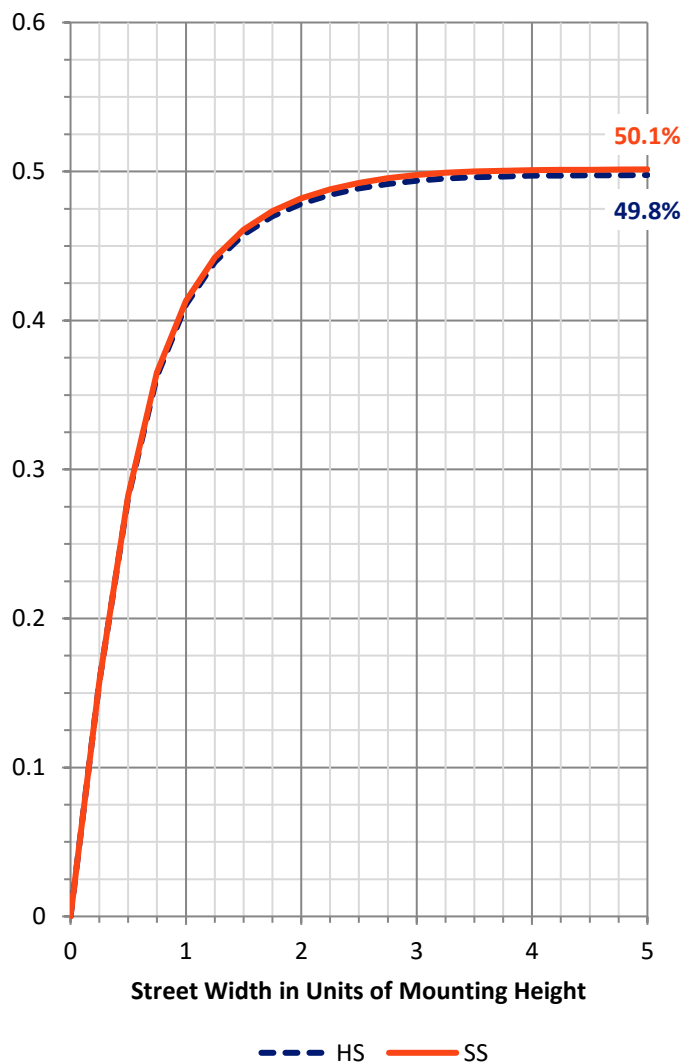
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6224.0   | 0.0    | 6224.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6224.0   | 0.0    | 6224.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12448.0  | 0.0    | 12448.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 189.1   | 1.5       |
| 10°-20°   | 566.8   | 4.6       |
| 20°-30°   | 940.9   | 7.6       |
| 30°-40°   | 1381.8  | 11.1      |
| 40°-50°   | 2031.3  | 16.3      |
| 50°-60°   | 2649.0  | 21.3      |
| 60°-70°   | 2783.5  | 22.4      |
| 70°-80°   | 1779.0  | 14.3      |
| 80°-90°   | 126.5   | 1.0       |
| 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°    | 12448.0 | 100.0     |
| 0°-180°   | 12448.0 | 100.0     |

**Coefficient of Utilization**



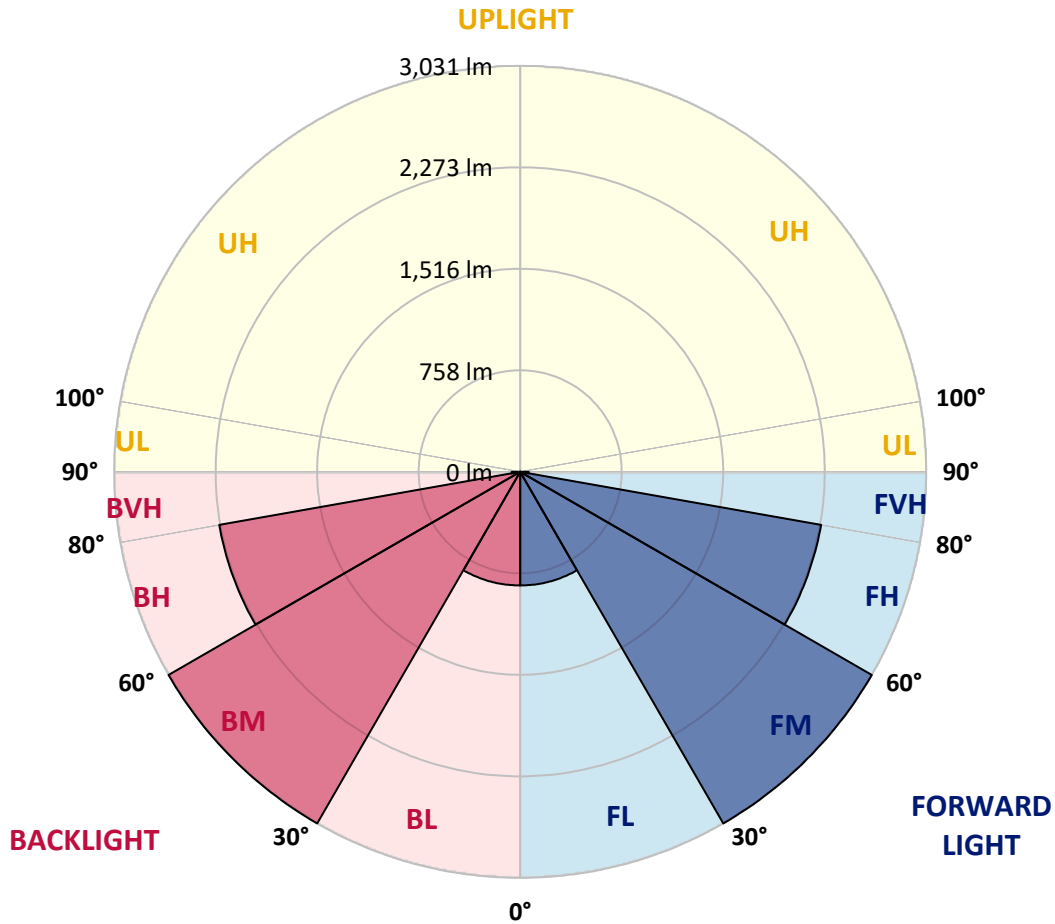
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 848.4  | 6.8       |                         |      |         |
| FM (30°-60°)   | 3031.1 | 24.4      |                         |      |         |
| FH (60°-80°)   | 2281.3 | 18.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 63.3   | 0.5       |                         |      | G1/100  |
| BL (0°-30°)    | 848.4  | 6.8       | B2/1000                 |      |         |
| BM (30°-60°)   | 3031.1 | 24.4      | B3/5000                 |      |         |
| BH (60°-80°)   | 2281.3 | 18.3      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 63.3   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1995.9 | 1995.9 | 1995.9 | 1995.9 | 1995.9 | 1995.9 | 1995.9 | 1995.9 | 1995.9 | 1995.9 | 1995.9 |
| 2.5°  | 1995.9 | 1991.1 | 1991.1 | 1988.6 | 1988.6 | 1988.6 | 1986.2 | 1983.8 | 1981.4 | 1979.0 | 1981.4 |
| 5°    | 1974.1 | 1971.7 | 1974.1 | 1976.6 | 1974.1 | 1974.1 | 1971.7 | 1971.7 | 1971.7 | 1969.3 | 1971.7 |
| 7.5°  | 1971.7 | 1971.7 | 1971.7 | 1971.7 | 1976.6 | 1976.6 | 1976.6 | 1981.4 | 1981.4 | 1986.2 | 1986.2 |
| 10°   | 1974.1 | 1971.7 | 1974.1 | 1976.6 | 1981.4 | 1986.2 | 1995.9 | 2005.6 | 2010.4 | 2017.6 | 2017.6 |
| 12.5° | 1947.6 | 1947.6 | 1950.0 | 1962.1 | 1976.6 | 1988.6 | 2008.0 | 2027.3 | 2044.2 | 2049.0 | 2049.0 |
| 15°   | 1916.1 | 1918.6 | 1921.0 | 1937.9 | 1969.3 | 1998.3 | 2022.5 | 2049.0 | 2078.0 | 2085.3 | 2087.7 |
| 17.5° | 1870.2 | 1872.7 | 1879.9 | 1911.3 | 1959.6 | 2008.0 | 2051.5 | 2087.7 | 2116.7 | 2131.2 | 2136.0 |
| 20°   | 1802.6 | 1805.0 | 1817.1 | 1872.7 | 1945.1 | 2017.6 | 2082.9 | 2133.6 | 2184.4 | 2210.9 | 2218.2 |
| 22.5° | 1725.3 | 1725.3 | 1754.3 | 1829.2 | 1918.6 | 2017.6 | 2111.9 | 2191.6 | 2278.6 | 2317.3 | 2322.1 |
| 25°   | 1628.6 | 1633.4 | 1686.6 | 1773.6 | 1889.6 | 2017.6 | 2152.9 | 2273.8 | 2372.8 | 2426.0 | 2442.9 |
| 27.5° | 1551.3 | 1548.9 | 1609.3 | 1718.0 | 1860.6 | 2022.5 | 2194.0 | 2358.3 | 2503.3 | 2571.0 | 2578.2 |
| 30°   | 1461.9 | 1466.7 | 1541.6 | 1667.3 | 1841.2 | 2034.5 | 2244.8 | 2447.7 | 2641.0 | 2747.4 | 2766.7 |
| 32.5° | 1399.1 | 1403.9 | 1474.0 | 1609.3 | 1814.7 | 2046.6 | 2302.8 | 2561.3 | 2812.6 | 2960.0 | 2996.2 |
| 35°   | 1341.1 | 1345.9 | 1413.6 | 1553.7 | 1776.0 | 2053.9 | 2368.0 | 2706.3 | 3047.0 | 3307.9 | 3365.9 |
| 37.5° | 1290.3 | 1297.6 | 1355.6 | 1495.7 | 1730.1 | 2061.1 | 2435.7 | 2880.3 | 3341.8 | 3769.5 | 3863.7 |
| 40°   | 1249.2 | 1251.7 | 1309.6 | 1428.0 | 1681.8 | 2058.7 | 2505.7 | 3051.8 | 3701.8 | 4344.6 | 4520.9 |
| 42.5° | 1217.8 | 1220.2 | 1263.7 | 1374.9 | 1623.8 | 2037.0 | 2575.8 | 3228.2 | 4119.8 | 5026.0 | 5207.2 |
| 45°   | 1181.6 | 1184.0 | 1227.5 | 1324.1 | 1558.5 | 2005.6 | 2626.5 | 3394.9 | 4569.3 | 5651.8 | 5886.2 |
| 47.5° | 1150.2 | 1155.0 | 1196.1 | 1287.9 | 1495.7 | 1945.1 | 2650.7 | 3554.4 | 5016.3 | 6267.9 | 6512.0 |
| 50°   | 1133.3 | 1133.3 | 1167.1 | 1249.2 | 1430.5 | 1843.7 | 2626.5 | 3692.1 | 5477.8 | 6845.4 | 7113.7 |
| 52.5° | 1111.5 | 1104.3 | 1135.7 | 1203.3 | 1367.6 | 1734.9 | 2534.7 | 3788.8 | 5939.3 | 7398.8 | 7645.3 |
| 55°   | 1072.8 | 1072.8 | 1099.4 | 1155.0 | 1307.2 | 1618.9 | 2368.0 | 3817.8 | 6379.1 | 7872.4 | 8167.2 |
| 57.5° | 1024.5 | 1029.4 | 1053.5 | 1101.8 | 1237.2 | 1505.4 | 2150.5 | 3723.6 | 6770.5 | 8329.1 | 8592.5 |
| 60°   | 985.9  | 985.9  | 1005.2 | 1046.3 | 1159.8 | 1391.8 | 1916.1 | 3564.1 | 7101.6 | 8715.7 | 8974.2 |
| 62.5° | 937.5  | 940.0  | 956.9  | 988.3  | 1077.7 | 1268.6 | 1686.6 | 3250.0 | 7290.1 | 8986.3 | 9220.7 |
| 65°   | 877.1  | 874.7  | 891.6  | 911.0  | 978.6  | 1130.8 | 1454.6 | 2892.3 | 7285.2 | 9141.0 | 9348.8 |
| 67.5° | 799.8  | 799.8  | 811.9  | 826.4  | 869.9  | 993.1  | 1258.9 | 2604.8 | 7007.3 | 9090.2 | 9278.7 |
| 70°   | 710.4  | 708.0  | 717.6  | 720.1  | 753.9  | 850.5  | 1060.8 | 2368.0 | 6299.4 | 8797.8 | 9027.4 |
| 72.5° | 558.2  | 570.3  | 587.2  | 601.7  | 633.1  | 691.1  | 882.0  | 2138.4 | 5272.4 | 8210.7 | 8568.3 |
| 75°   | 84.6   | 77.3   | 140.1  | 282.7  | 473.6  | 531.6  | 708.0  | 1836.4 | 4327.6 | 7084.7 | 7749.2 |
| 77.5° | 24.2   | 26.6   | 33.8   | 38.7   | 45.9   | 275.5  | 519.5  | 1449.8 | 3440.8 | 5463.3 | 6014.2 |
| 80°   | 19.3   | 21.7   | 26.6   | 31.4   | 38.7   | 41.1   | 157.1  | 908.5  | 1761.5 | 2769.1 | 2757.0 |
| 82.5° | 14.5   | 14.5   | 19.3   | 21.7   | 26.6   | 31.4   | 77.3   | 239.2  | 299.6  | 227.1  | 181.2  |
| 85°   | 9.7    | 7.2    | 12.1   | 14.5   | 14.5   | 21.7   | 29.0   | 33.8   | 29.0   | 94.2   | 118.4  |
| 87.5° | 4.8    | 4.8    | 7.2    | 7.2    | 9.7    | 9.7    | 9.7    | 9.7    | 14.5   | 38.7   | 48.3   |
| 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)