

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: P511157

Luminaire Tested: **PRV-P-PA1B-730-U-5WQ**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1B-730-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6693 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

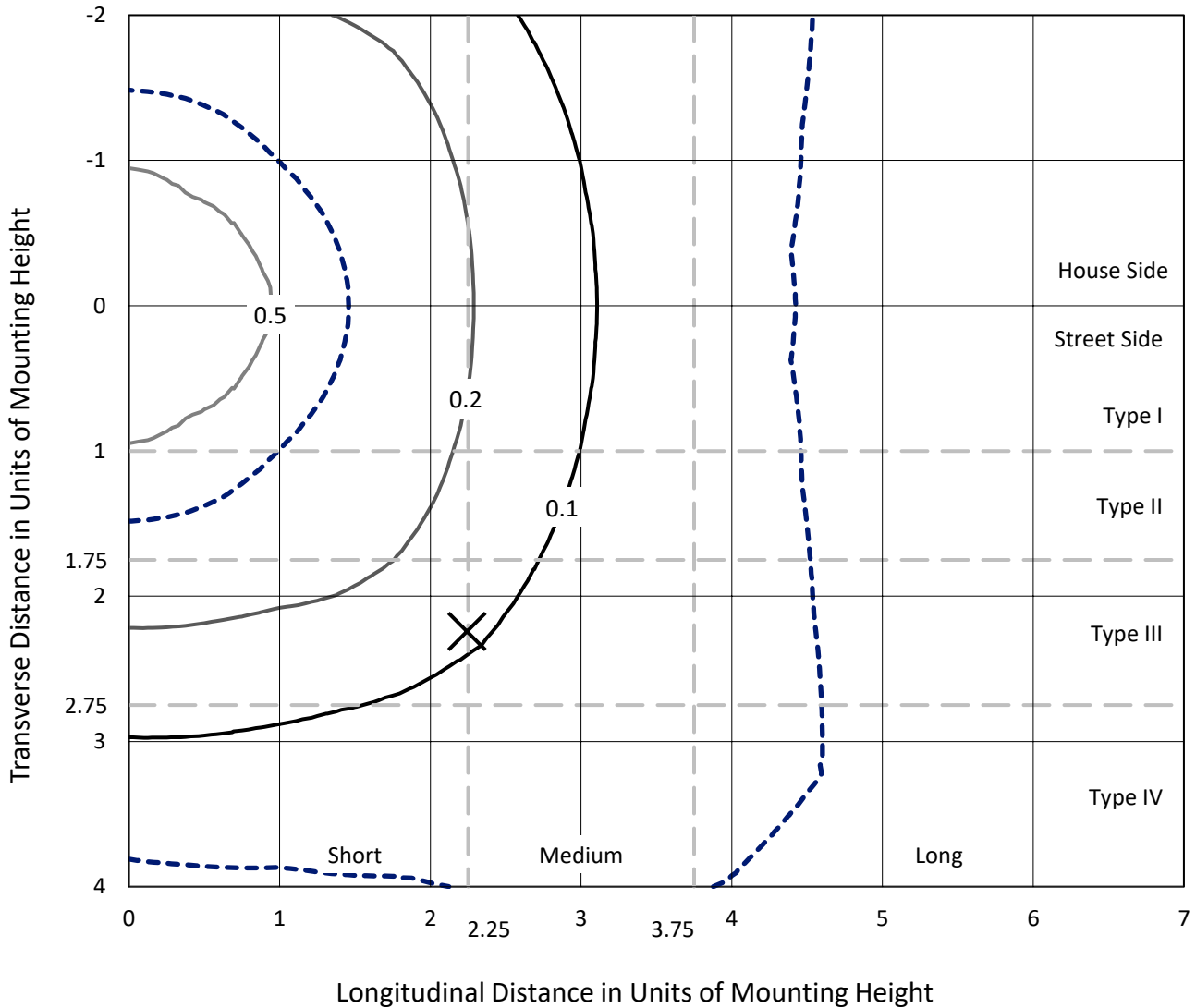
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

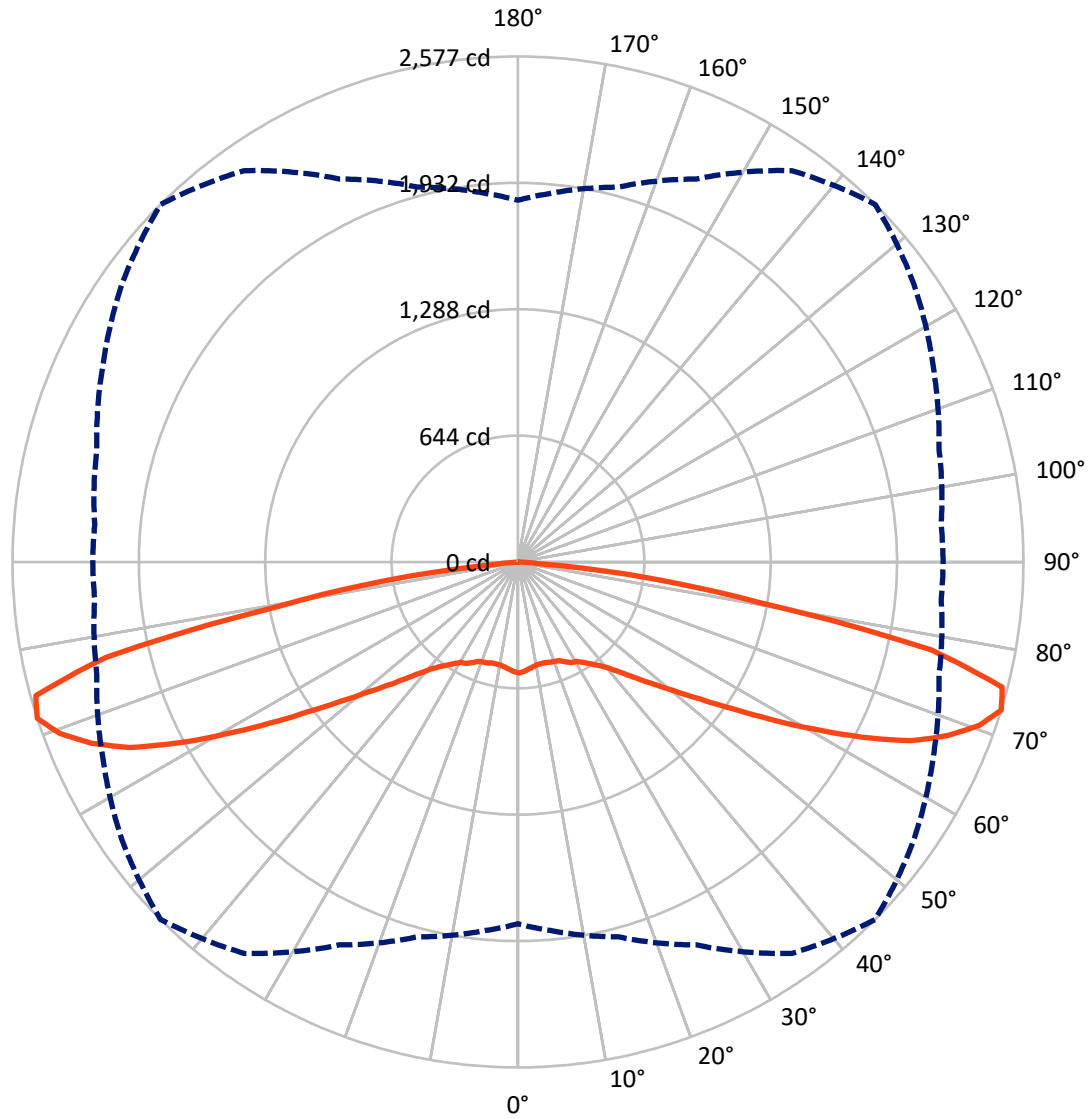
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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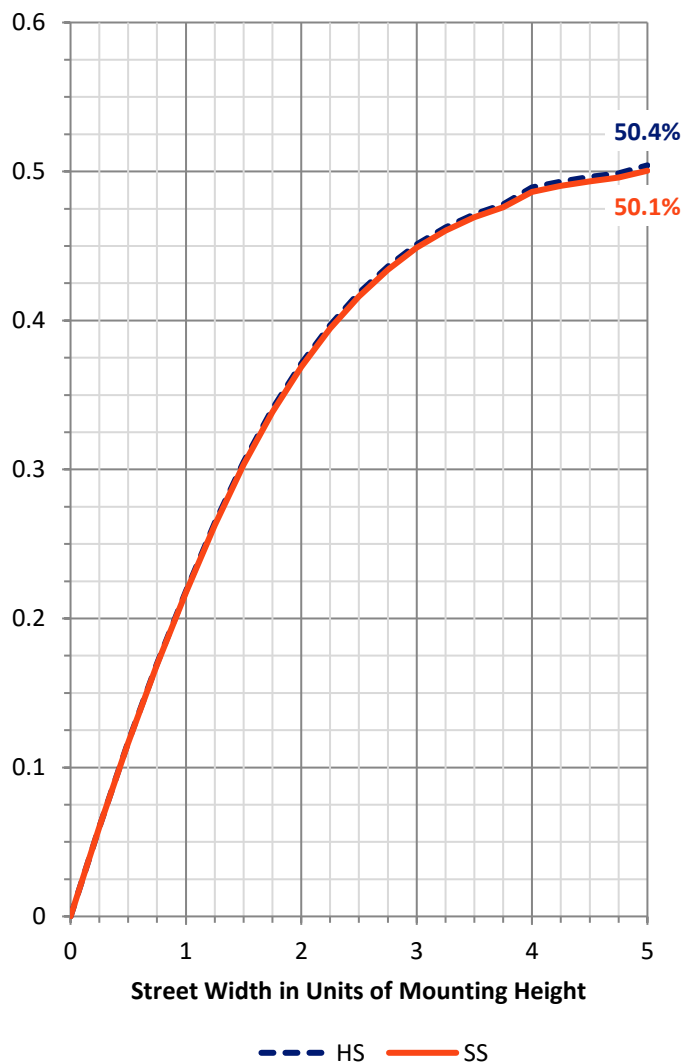
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3346.5 | 0.0 | 3346.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3346.5 | 0.0 | 3346.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6693.0 | 0.0 | 6693.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.0 | 0.8 |
| 10°-20° | 152.5 | 2.3 |
| 20°-30° | 261.0 | 3.9 |
| 30°-40° | 402.2 | 6.0 |
| 40°-50° | 665.9 | 9.9 |
| 50°-60° | 1158.6 | 17.3 |
| 60°-70° | 1928.4 | 28.8 |
| 70°-80° | 1891.7 | 28.3 |
| 80°-90° | 180.8 | 2.7 |
| 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° | 6693.0 | 100.0 |
| 0°-180° | 6693.0 | 100.0 |

Coefficient of Utilization



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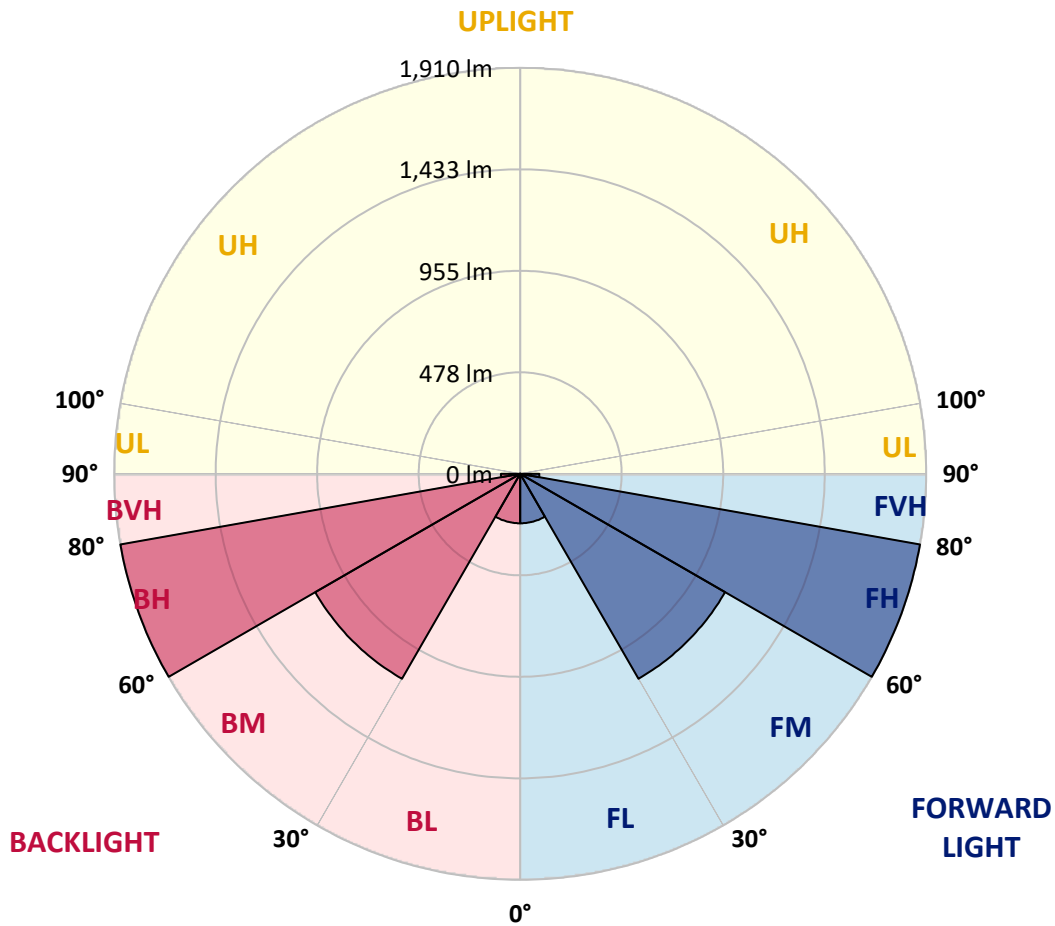
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 232.8 | 3.5 | | | |
| FM (30°-60°) | 1113.3 | 16.6 | | | |
| FH (60°-80°) | 1910.0 | 28.5 | | | G2/5000 |
| FVH (80°-90°) | 90.4 | 1.4 | | | G1/100 |
| BL (0°-30°) | 232.8 | 3.5 | B1/500 | | |
| BM (30°-60°) | 1113.3 | 16.6 | B2/2500 | | |
| BH (60°-80°) | 1910.0 | 28.5 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 90.4 | 1.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 |
| 2.5° | 559.7 | 561.2 | 558.2 | 558.2 | 559.7 | 559.7 | 558.2 | 561.2 | 561.2 | 564.1 | 561.2 |
| 5° | 547.8 | 549.3 | 547.8 | 547.8 | 547.8 | 549.3 | 549.3 | 550.7 | 550.7 | 552.2 | 553.7 |
| 7.5° | 538.8 | 540.3 | 538.8 | 537.3 | 538.8 | 540.3 | 541.8 | 543.3 | 543.3 | 544.8 | 543.3 |
| 10° | 537.3 | 538.8 | 535.9 | 532.9 | 531.4 | 532.9 | 531.4 | 537.3 | 540.3 | 541.8 | 543.3 |
| 12.5° | 540.3 | 541.8 | 538.8 | 532.9 | 529.9 | 531.4 | 531.4 | 534.4 | 540.3 | 543.3 | 544.8 |
| 15° | 541.8 | 543.3 | 537.3 | 531.4 | 531.4 | 531.4 | 531.4 | 532.9 | 538.8 | 541.8 | 543.3 |
| 17.5° | 546.3 | 547.8 | 543.3 | 535.9 | 535.9 | 537.3 | 534.4 | 535.9 | 537.3 | 544.8 | 544.8 |
| 20° | 550.7 | 553.7 | 544.8 | 541.8 | 541.8 | 540.3 | 538.8 | 540.3 | 543.3 | 550.7 | 547.8 |
| 22.5° | 562.7 | 561.2 | 555.2 | 552.2 | 549.3 | 546.3 | 544.8 | 547.8 | 550.7 | 556.7 | 555.2 |
| 25° | 570.1 | 570.1 | 565.6 | 562.7 | 567.1 | 564.1 | 561.2 | 559.7 | 559.7 | 564.1 | 564.1 |
| 27.5° | 574.6 | 573.1 | 570.1 | 570.1 | 574.6 | 580.5 | 574.6 | 568.6 | 565.6 | 568.6 | 567.1 |
| 30° | 586.5 | 588.0 | 582.0 | 582.0 | 585.0 | 588.0 | 585.0 | 580.5 | 577.5 | 583.5 | 585.0 |
| 32.5° | 607.3 | 608.8 | 602.8 | 599.9 | 601.4 | 610.3 | 602.8 | 596.9 | 599.9 | 605.8 | 604.3 |
| 35° | 640.1 | 638.6 | 631.1 | 623.7 | 626.7 | 637.1 | 628.1 | 626.7 | 631.1 | 637.1 | 640.1 |
| 37.5° | 674.3 | 675.8 | 668.3 | 657.9 | 656.4 | 668.3 | 663.9 | 663.9 | 669.8 | 678.8 | 677.3 |
| 40° | 727.9 | 726.4 | 718.9 | 701.1 | 702.6 | 710.0 | 711.5 | 714.5 | 724.9 | 729.4 | 727.9 |
| 42.5° | 785.9 | 785.9 | 775.5 | 760.6 | 762.1 | 769.6 | 771.0 | 772.5 | 780.0 | 793.4 | 788.9 |
| 45° | 864.8 | 861.8 | 849.9 | 835.0 | 833.6 | 842.5 | 844.0 | 844.0 | 854.4 | 863.3 | 860.4 |
| 47.5° | 939.2 | 940.7 | 930.3 | 918.4 | 919.9 | 928.8 | 930.3 | 925.8 | 931.8 | 940.7 | 945.2 |
| 50° | 1025.6 | 1025.6 | 1022.6 | 1009.2 | 1021.1 | 1031.5 | 1028.6 | 1027.1 | 1033.0 | 1034.5 | 1030.0 |
| 52.5° | 1122.3 | 1128.3 | 1123.8 | 1120.8 | 1140.2 | 1159.5 | 1156.6 | 1137.2 | 1134.2 | 1138.7 | 1134.2 |
| 55° | 1241.4 | 1239.9 | 1244.4 | 1254.8 | 1289.0 | 1312.9 | 1300.9 | 1277.1 | 1266.7 | 1257.8 | 1260.8 |
| 57.5° | 1357.5 | 1366.4 | 1373.9 | 1399.2 | 1458.7 | 1507.8 | 1484.0 | 1434.9 | 1405.1 | 1387.3 | 1388.8 |
| 60° | 1473.6 | 1485.5 | 1506.4 | 1557.0 | 1661.2 | 1728.1 | 1705.8 | 1618.0 | 1565.9 | 1539.1 | 1531.7 |
| 62.5° | 1612.0 | 1618.0 | 1640.3 | 1708.8 | 1859.1 | 1964.8 | 1912.7 | 1792.1 | 1723.7 | 1693.9 | 1680.5 |
| 65° | 1759.4 | 1766.8 | 1796.6 | 1869.6 | 2067.5 | 2197.0 | 2115.2 | 1981.2 | 1893.4 | 1853.2 | 1839.8 |
| 67.5° | 1893.4 | 1912.7 | 1942.5 | 2034.8 | 2252.1 | 2362.2 | 2275.9 | 2153.9 | 2077.9 | 2022.9 | 2028.8 |
| 70° | 2022.9 | 2030.3 | 2072.0 | 2155.3 | 2383.1 | 2494.7 | 2395.0 | 2311.6 | 2232.7 | 2176.2 | 2194.0 |
| 72.5° | 1844.2 | 1885.9 | 1978.2 | 2153.9 | 2435.2 | 2576.6 | 2464.9 | 2336.9 | 2222.3 | 2165.8 | 2167.2 |
| 75° | 1336.7 | 1375.4 | 1472.1 | 1702.8 | 2249.1 | 2549.8 | 2393.5 | 2158.3 | 1964.8 | 1888.9 | 1877.0 |
| 77.5° | 916.9 | 909.5 | 997.3 | 1183.4 | 1571.9 | 2152.4 | 2070.5 | 1671.6 | 1381.3 | 1211.6 | 1226.5 |
| 80° | 250.1 | 265.0 | 385.5 | 647.5 | 1040.5 | 1244.4 | 1256.3 | 882.7 | 550.7 | 404.9 | 400.4 |
| 82.5° | 58.1 | 62.5 | 92.3 | 159.3 | 385.5 | 672.8 | 397.4 | 208.4 | 142.9 | 95.3 | 70.0 |
| 85° | 11.9 | 11.9 | 14.9 | 28.3 | 80.4 | 102.7 | 67.0 | 49.1 | 47.6 | 25.3 | 23.8 |
| 87.5° | 1.5 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 |
| 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)