

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: P511016

Luminaire Tested: **PRV-P-C20-D-UNV-T5-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C20-D-UNV-T5-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1300mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10311 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

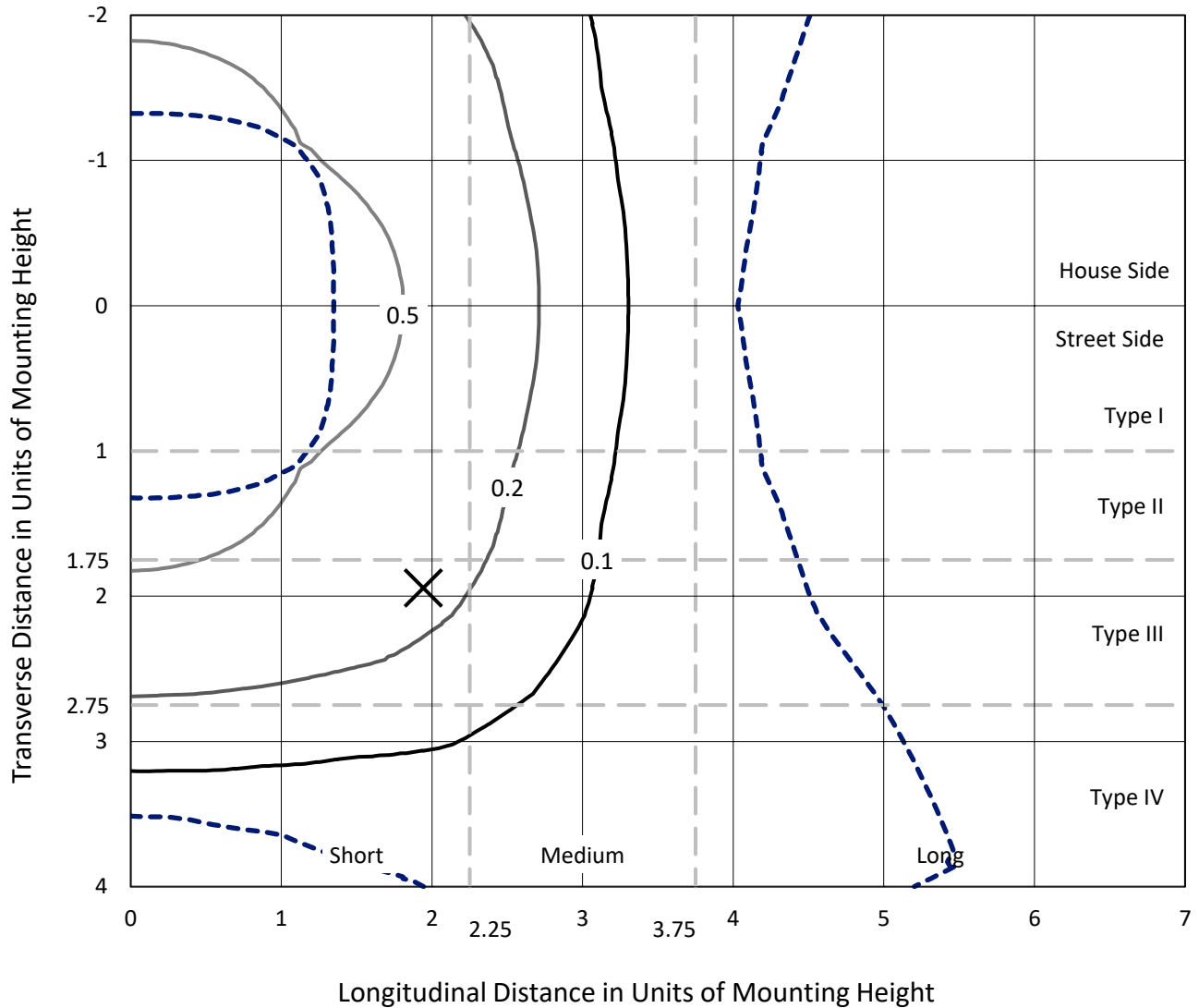
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

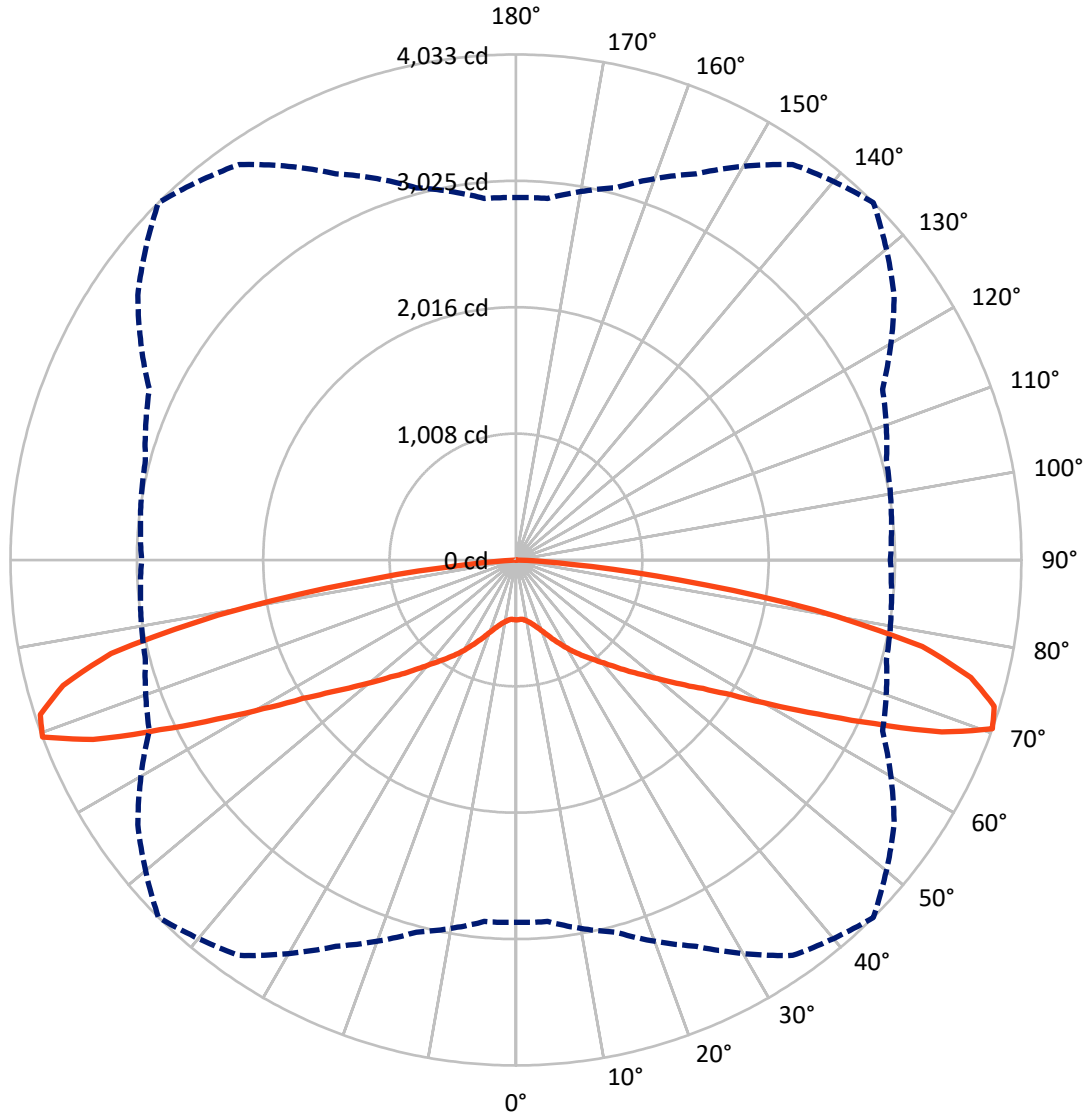
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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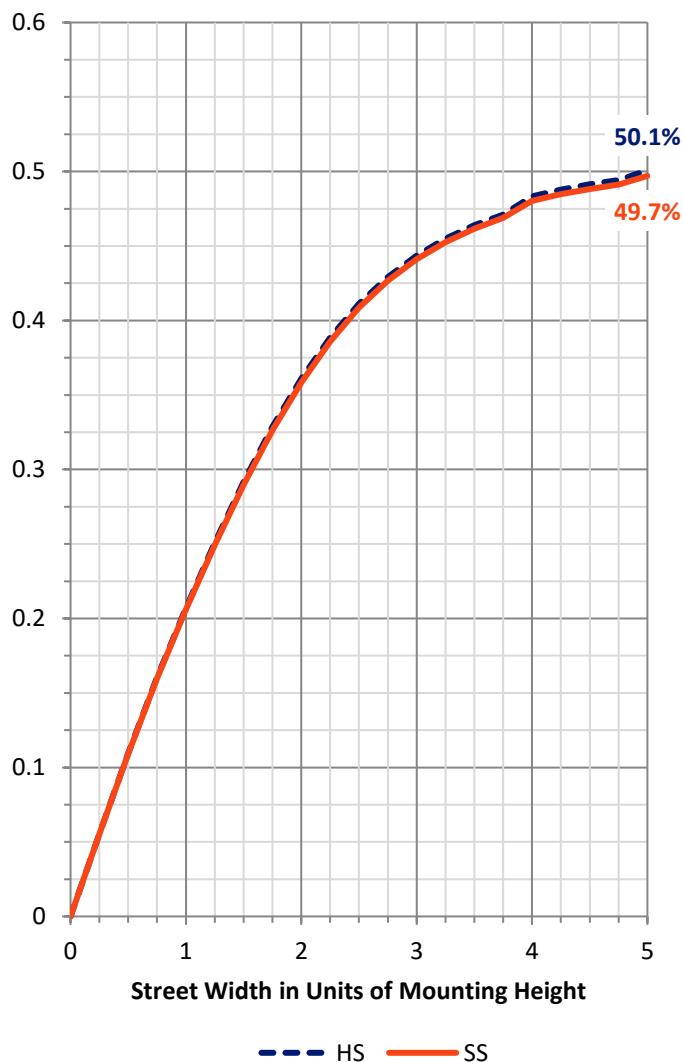
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5155.5 | 0.0 | 5155.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5155.5 | 0.0 | 5155.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 10311.0 | 0.0 | 10311.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 46.2 | 0.4 |
| 10°-20° | 153.8 | 1.5 |
| 20°-30° | 323.4 | 3.1 |
| 30°-40° | 598.1 | 5.8 |
| 40°-50° | 1035.8 | 10.0 |
| 50°-60° | 1832.5 | 17.8 |
| 60°-70° | 3050.6 | 29.6 |
| 70°-80° | 2761.8 | 26.8 |
| 80°-90° | 508.8 | 4.9 |
| 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° | 10311.0 | 100.0 |
| 0°-180° | 10311.0 | 100.0 |

Coefficient of Utilization



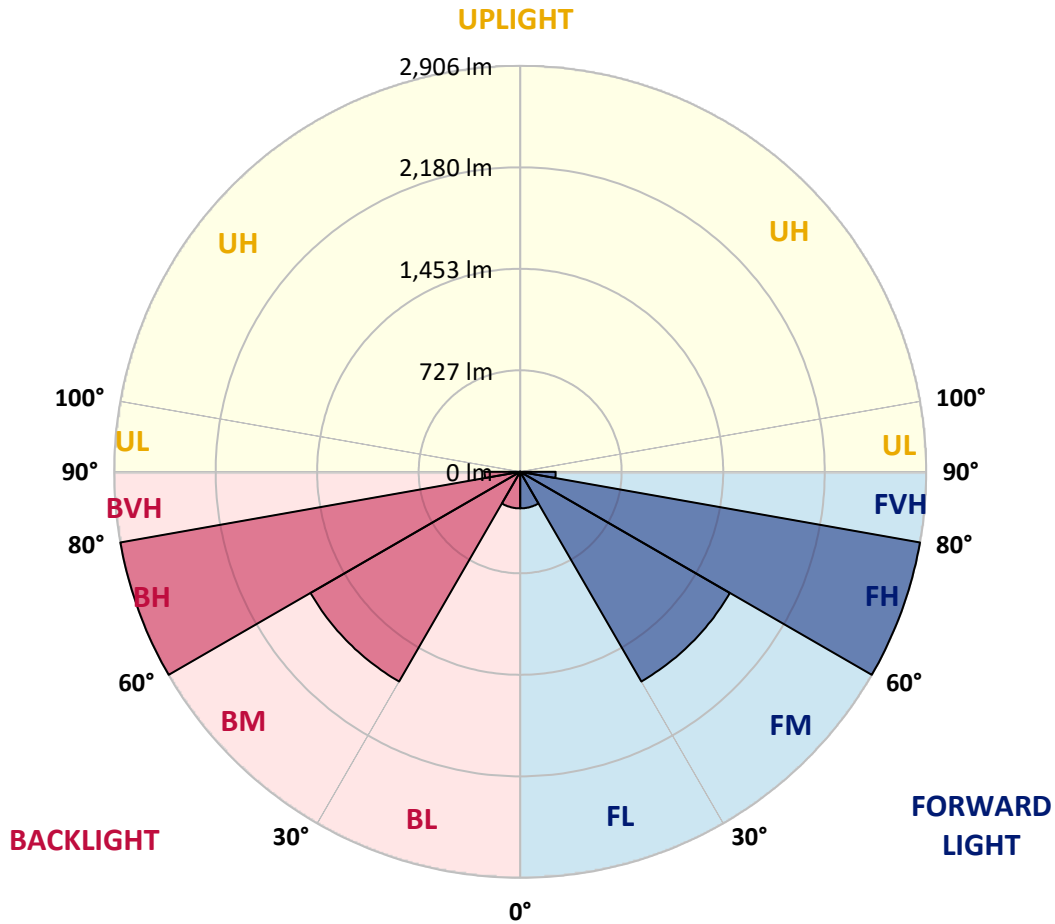
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 261.7 | 2.5 | | | |
| FM (30°-60°) | 1733.2 | 16.8 | | | |
| FH (60°-80°) | 2906.2 | 28.2 | | | G2/5000 |
| FVH (80°-90°) | 254.4 | 2.5 | | | G3/500 |
| BL (0°-30°) | 261.7 | 2.5 | B1/500 | | |
| BM (30°-60°) | 1733.2 | 16.8 | B2/2500 | | |
| BH (60°-80°) | 2906.2 | 28.2 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 254.4 | 2.5 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 |
| 2.5° | 478.2 | 476.1 | 476.1 | 474.1 | 474.1 | 476.1 | 476.1 | 478.2 | 480.2 | 480.2 | 480.2 |
| 5° | 476.1 | 476.1 | 476.1 | 474.1 | 474.1 | 474.1 | 476.1 | 478.2 | 480.2 | 480.2 | 482.2 |
| 7.5° | 482.2 | 484.3 | 482.2 | 480.2 | 480.2 | 482.2 | 484.3 | 486.3 | 488.3 | 490.4 | 488.3 |
| 10° | 496.5 | 496.5 | 496.5 | 494.5 | 496.5 | 496.5 | 498.5 | 498.5 | 500.6 | 500.6 | 498.5 |
| 12.5° | 510.7 | 510.7 | 510.7 | 512.8 | 512.8 | 514.8 | 516.8 | 514.8 | 512.8 | 510.7 | 510.7 |
| 15° | 527.0 | 527.0 | 527.0 | 531.1 | 535.1 | 539.2 | 537.2 | 535.1 | 529.0 | 525.0 | 525.0 |
| 17.5° | 551.4 | 551.4 | 551.4 | 557.5 | 565.7 | 569.7 | 567.7 | 559.6 | 557.5 | 555.5 | 555.5 |
| 20° | 584.0 | 584.0 | 588.1 | 590.1 | 602.3 | 608.4 | 602.3 | 594.2 | 594.2 | 590.1 | 592.1 |
| 22.5° | 624.7 | 626.7 | 624.7 | 632.8 | 645.0 | 653.2 | 645.0 | 641.0 | 636.9 | 636.9 | 636.9 |
| 25° | 677.6 | 677.6 | 673.5 | 677.6 | 691.8 | 706.1 | 697.9 | 691.8 | 687.8 | 689.8 | 693.9 |
| 27.5° | 730.5 | 732.5 | 730.5 | 728.5 | 744.7 | 761.0 | 750.8 | 744.7 | 748.8 | 750.8 | 750.8 |
| 30° | 789.5 | 795.6 | 791.5 | 791.5 | 797.6 | 822.1 | 811.9 | 807.8 | 813.9 | 813.9 | 815.9 |
| 32.5° | 862.7 | 864.8 | 860.7 | 858.7 | 864.8 | 883.1 | 872.9 | 875.0 | 883.1 | 889.2 | 889.2 |
| 35° | 934.0 | 936.0 | 927.9 | 925.8 | 936.0 | 944.1 | 942.1 | 948.2 | 958.4 | 968.6 | 968.6 |
| 37.5° | 1013.3 | 1007.2 | 1005.2 | 999.1 | 1001.1 | 1009.3 | 1011.3 | 1025.5 | 1043.8 | 1054.0 | 1056.1 |
| 40° | 1092.7 | 1096.8 | 1084.5 | 1072.3 | 1074.4 | 1080.5 | 1094.7 | 1111.0 | 1135.4 | 1151.7 | 1155.8 |
| 42.5° | 1202.6 | 1200.5 | 1184.2 | 1161.9 | 1157.8 | 1165.9 | 1190.4 | 1218.8 | 1249.4 | 1265.6 | 1267.7 |
| 45° | 1343.0 | 1340.9 | 1318.5 | 1290.1 | 1269.7 | 1267.7 | 1290.1 | 1326.7 | 1373.5 | 1402.0 | 1404.0 |
| 47.5° | 1515.9 | 1511.8 | 1473.2 | 1412.1 | 1367.4 | 1369.4 | 1393.8 | 1448.8 | 1507.8 | 1548.5 | 1552.5 |
| 50° | 1731.6 | 1721.4 | 1668.5 | 1574.9 | 1505.7 | 1497.6 | 1515.9 | 1591.2 | 1674.6 | 1725.5 | 1733.6 |
| 52.5° | 1973.7 | 1957.5 | 1898.5 | 1770.3 | 1678.7 | 1644.1 | 1662.4 | 1762.1 | 1861.8 | 1920.8 | 1922.9 |
| 55° | 2217.9 | 2213.8 | 2150.8 | 2024.6 | 1888.3 | 1811.0 | 1847.6 | 1959.5 | 2083.6 | 2148.7 | 2154.8 |
| 57.5° | 2474.3 | 2464.1 | 2409.2 | 2291.2 | 2136.5 | 2028.7 | 2067.3 | 2191.5 | 2315.6 | 2386.8 | 2399.0 |
| 60° | 2696.1 | 2700.2 | 2657.4 | 2582.1 | 2454.0 | 2338.0 | 2352.2 | 2456.0 | 2584.2 | 2649.3 | 2659.5 |
| 62.5° | 2924.0 | 2915.9 | 2905.7 | 2860.9 | 2799.9 | 2704.2 | 2667.6 | 2742.9 | 2846.7 | 2899.6 | 2903.6 |
| 65° | 3204.8 | 3202.8 | 3186.5 | 3162.1 | 3182.4 | 3147.8 | 3058.3 | 3070.5 | 3105.1 | 3143.7 | 3153.9 |
| 67.5° | 3221.1 | 3219.0 | 3296.4 | 3428.6 | 3617.9 | 3664.7 | 3422.5 | 3263.8 | 3210.9 | 3190.5 | 3184.4 |
| 70° | 2891.4 | 2895.5 | 3074.6 | 3400.1 | 3851.9 | 4032.9 | 3683.0 | 3227.2 | 3060.3 | 3007.4 | 2987.1 |
| 72.5° | 2399.0 | 2423.4 | 2651.3 | 3119.3 | 3817.3 | 3990.2 | 3699.2 | 3066.4 | 2801.9 | 2681.8 | 2679.8 |
| 75° | 1798.8 | 1815.0 | 2036.8 | 2588.2 | 3503.9 | 3750.1 | 3473.4 | 2761.2 | 2413.3 | 2283.0 | 2238.3 |
| 77.5° | 1170.0 | 1178.1 | 1379.6 | 1880.1 | 2789.7 | 3314.7 | 3101.0 | 2301.3 | 1916.8 | 1752.0 | 1707.2 |
| 80° | 624.7 | 649.1 | 799.7 | 1151.7 | 1766.2 | 2417.3 | 2527.2 | 1713.3 | 1255.5 | 1058.1 | 1033.7 |
| 82.5° | 270.6 | 278.8 | 356.1 | 561.6 | 921.8 | 1308.4 | 1682.8 | 1072.3 | 697.9 | 527.0 | 496.5 |
| 85° | 36.6 | 34.6 | 63.1 | 113.9 | 217.7 | 431.4 | 657.2 | 555.5 | 337.8 | 236.0 | 234.0 |
| 87.5° | 4.1 | 4.1 | 4.1 | 6.1 | 6.1 | 6.1 | 30.5 | 48.8 | 26.5 | 20.3 | 12.2 |
| 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)