

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: P511301

Luminaire Tested: **PRV-P-PA1D-730-U-5WQ**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511301
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-PA1D-730-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10273 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

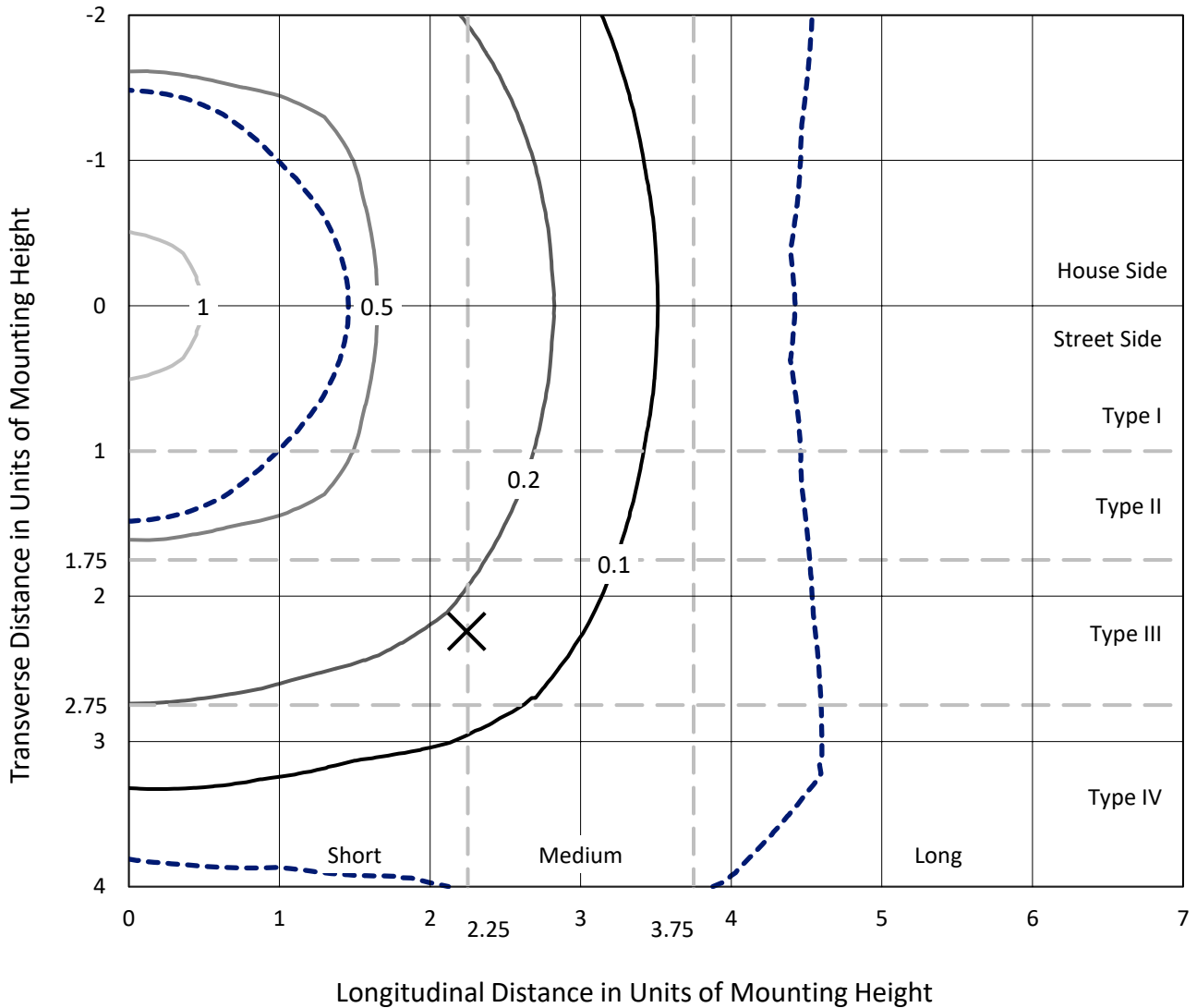
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

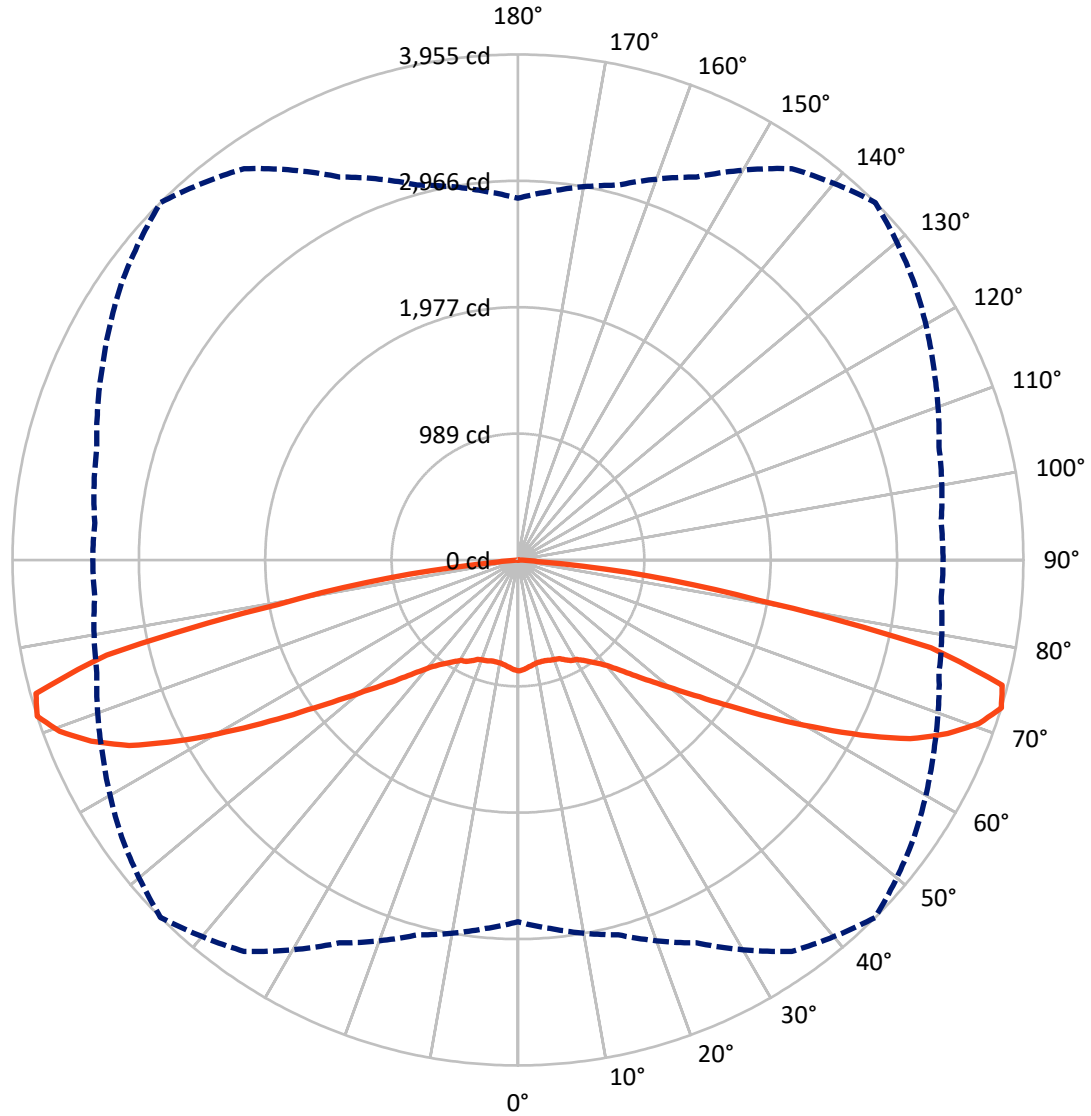
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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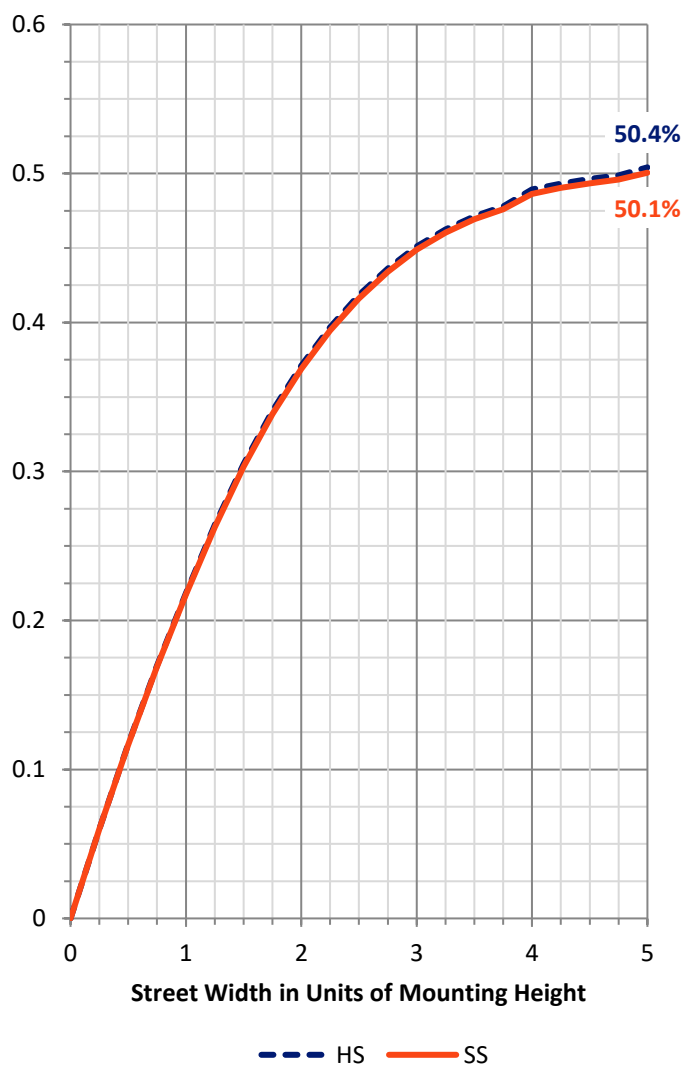
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5136.5 | 0.0 | 5136.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5136.5 | 0.0 | 5136.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 10273.0 | 0.0 | 10273.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 79.9 | 0.8 |
| 10°-20° | 234.1 | 2.3 |
| 20°-30° | 400.6 | 3.9 |
| 30°-40° | 617.3 | 6.0 |
| 40°-50° | 1022.1 | 9.9 |
| 50°-60° | 1778.3 | 17.3 |
| 60°-70° | 2959.8 | 28.8 |
| 70°-80° | 2903.5 | 28.3 |
| 80°-90° | 277.5 | 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° | 10273.0 | 100.0 |
| 0°-180° | 10273.0 | 100.0 |

Coefficient of Utilization



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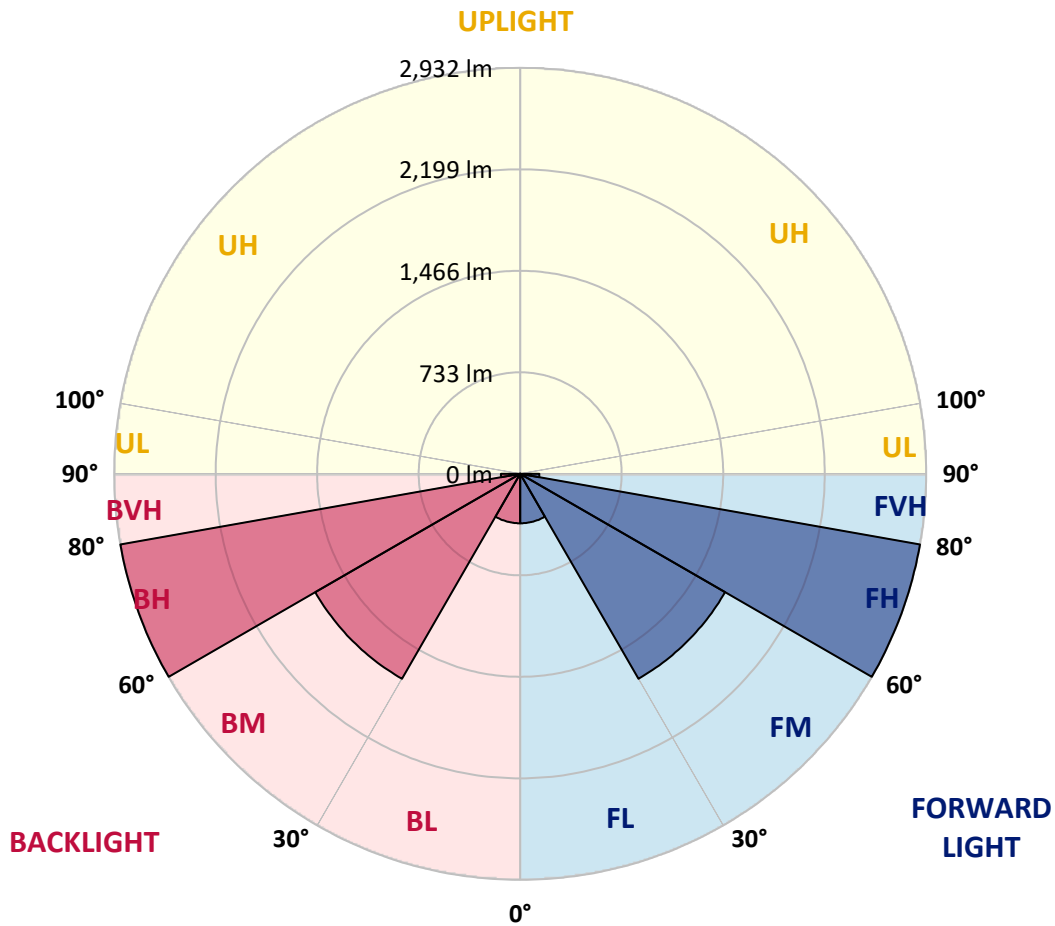
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 357.3 | 3.5 | | | |
| FM (30°-60°) | 1708.8 | 16.6 | | | |
| FH (60°-80°) | 2931.6 | 28.5 | | | G2/5000 |
| FVH (80°-90°) | 138.7 | 1.4 | | | G2/225 |
| BL (0°-30°) | 357.3 | 3.5 | B1/500 | | |
| BM (30°-60°) | 1708.8 | 16.6 | B2/2500 | | |
| BH (60°-80°) | 2931.6 | 28.5 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 138.7 | 1.4 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 | 868.2 |
| 2.5° | 859.0 | 861.3 | 856.8 | 856.8 | 859.0 | 859.0 | 856.8 | 861.3 | 861.3 | 865.9 | 861.3 |
| 5° | 840.8 | 843.0 | 840.8 | 840.8 | 840.8 | 843.0 | 843.0 | 845.3 | 845.3 | 847.6 | 849.9 |
| 7.5° | 827.1 | 829.3 | 827.1 | 824.8 | 827.1 | 829.3 | 831.6 | 833.9 | 833.9 | 836.2 | 833.9 |
| 10° | 824.8 | 827.1 | 822.5 | 817.9 | 815.6 | 817.9 | 815.6 | 824.8 | 829.3 | 831.6 | 833.9 |
| 12.5° | 829.3 | 831.6 | 827.1 | 817.9 | 813.3 | 815.6 | 815.6 | 820.2 | 829.3 | 833.9 | 836.2 |
| 15° | 831.6 | 833.9 | 824.8 | 815.6 | 815.6 | 815.6 | 815.6 | 817.9 | 827.1 | 831.6 | 833.9 |
| 17.5° | 838.5 | 840.8 | 833.9 | 822.5 | 822.5 | 824.8 | 820.2 | 822.5 | 824.8 | 836.2 | 836.2 |
| 20° | 845.3 | 849.9 | 836.2 | 831.6 | 831.6 | 829.3 | 827.1 | 829.3 | 833.9 | 845.3 | 840.8 |
| 22.5° | 863.6 | 861.3 | 852.2 | 847.6 | 843.0 | 838.5 | 836.2 | 840.8 | 845.3 | 854.5 | 852.2 |
| 25° | 875.0 | 875.0 | 868.2 | 863.6 | 870.5 | 865.9 | 861.3 | 859.0 | 859.0 | 865.9 | 865.9 |
| 27.5° | 881.9 | 879.6 | 875.0 | 875.0 | 881.9 | 891.0 | 881.9 | 872.7 | 868.2 | 872.7 | 870.5 |
| 30° | 900.2 | 902.4 | 893.3 | 893.3 | 897.9 | 902.4 | 897.9 | 891.0 | 886.5 | 895.6 | 897.9 |
| 32.5° | 932.1 | 934.4 | 925.3 | 920.7 | 923.0 | 936.7 | 925.3 | 916.2 | 920.7 | 929.9 | 927.6 |
| 35° | 982.4 | 980.1 | 968.7 | 957.3 | 961.8 | 977.8 | 964.1 | 961.8 | 968.7 | 977.8 | 982.4 |
| 37.5° | 1035.0 | 1037.2 | 1025.8 | 1009.8 | 1007.5 | 1025.8 | 1019.0 | 1019.0 | 1028.1 | 1041.8 | 1039.5 |
| 40° | 1117.2 | 1114.9 | 1103.5 | 1076.1 | 1078.4 | 1089.8 | 1092.1 | 1096.6 | 1112.6 | 1119.5 | 1117.2 |
| 42.5° | 1206.3 | 1206.3 | 1190.3 | 1167.5 | 1169.8 | 1181.2 | 1183.5 | 1185.7 | 1197.2 | 1217.7 | 1210.9 |
| 45° | 1327.4 | 1322.8 | 1304.5 | 1281.7 | 1279.4 | 1293.1 | 1295.4 | 1295.4 | 1311.4 | 1325.1 | 1320.5 |
| 47.5° | 1441.6 | 1443.9 | 1427.9 | 1409.6 | 1411.9 | 1425.6 | 1427.9 | 1421.1 | 1430.2 | 1443.9 | 1450.8 |
| 50° | 1574.1 | 1574.1 | 1569.6 | 1549.0 | 1567.3 | 1583.3 | 1578.7 | 1576.4 | 1585.6 | 1587.8 | 1581.0 |
| 52.5° | 1722.6 | 1731.8 | 1724.9 | 1720.4 | 1750.1 | 1779.8 | 1775.2 | 1745.5 | 1740.9 | 1747.8 | 1740.9 |
| 55° | 1905.4 | 1903.1 | 1910.0 | 1926.0 | 1978.5 | 2015.1 | 1996.8 | 1960.2 | 1944.3 | 1930.5 | 1935.1 |
| 57.5° | 2083.6 | 2097.3 | 2108.8 | 2147.6 | 2239.0 | 2314.4 | 2277.8 | 2202.4 | 2156.7 | 2129.3 | 2131.6 |
| 60° | 2261.8 | 2280.1 | 2312.1 | 2389.8 | 2549.7 | 2652.5 | 2618.2 | 2483.4 | 2403.5 | 2362.4 | 2350.9 |
| 62.5° | 2474.3 | 2483.4 | 2517.7 | 2622.8 | 2853.6 | 3015.8 | 2935.8 | 2750.7 | 2645.7 | 2600.0 | 2579.4 |
| 65° | 2700.5 | 2711.9 | 2757.6 | 2869.5 | 3173.4 | 3372.2 | 3246.5 | 3040.9 | 2906.1 | 2844.4 | 2823.9 |
| 67.5° | 2906.1 | 2935.8 | 2981.5 | 3123.1 | 3456.7 | 3625.8 | 3493.3 | 3305.9 | 3189.4 | 3104.9 | 3114.0 |
| 70° | 3104.9 | 3116.3 | 3180.3 | 3308.2 | 3657.8 | 3829.1 | 3676.0 | 3548.1 | 3427.0 | 3340.2 | 3367.6 |
| 72.5° | 2830.7 | 2894.7 | 3036.3 | 3305.9 | 3737.7 | 3954.8 | 3783.4 | 3586.9 | 3411.0 | 3324.2 | 3326.5 |
| 75° | 2051.6 | 2111.0 | 2259.5 | 2613.7 | 3452.1 | 3913.6 | 3673.8 | 3312.8 | 3015.8 | 2899.3 | 2881.0 |
| 77.5° | 1407.4 | 1395.9 | 1530.7 | 1816.3 | 2412.6 | 3303.6 | 3178.0 | 2565.7 | 2120.2 | 1859.7 | 1882.6 |
| 80° | 383.8 | 406.7 | 591.7 | 993.8 | 1597.0 | 1910.0 | 1928.3 | 1354.8 | 845.3 | 621.4 | 614.6 |
| 82.5° | 89.1 | 96.0 | 141.6 | 244.5 | 591.7 | 1032.7 | 610.0 | 319.9 | 219.3 | 146.2 | 107.4 |
| 85° | 18.3 | 18.3 | 22.8 | 43.4 | 123.4 | 157.6 | 102.8 | 75.4 | 73.1 | 38.8 | 36.6 |
| 87.5° | 2.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 2.3 | 2.3 | 2.3 |
| 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)