

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: STREETWORKS

Report Number: P416793

Luminaire Tested: **LXF.LXT-PA1-80-750-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-750-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9741.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

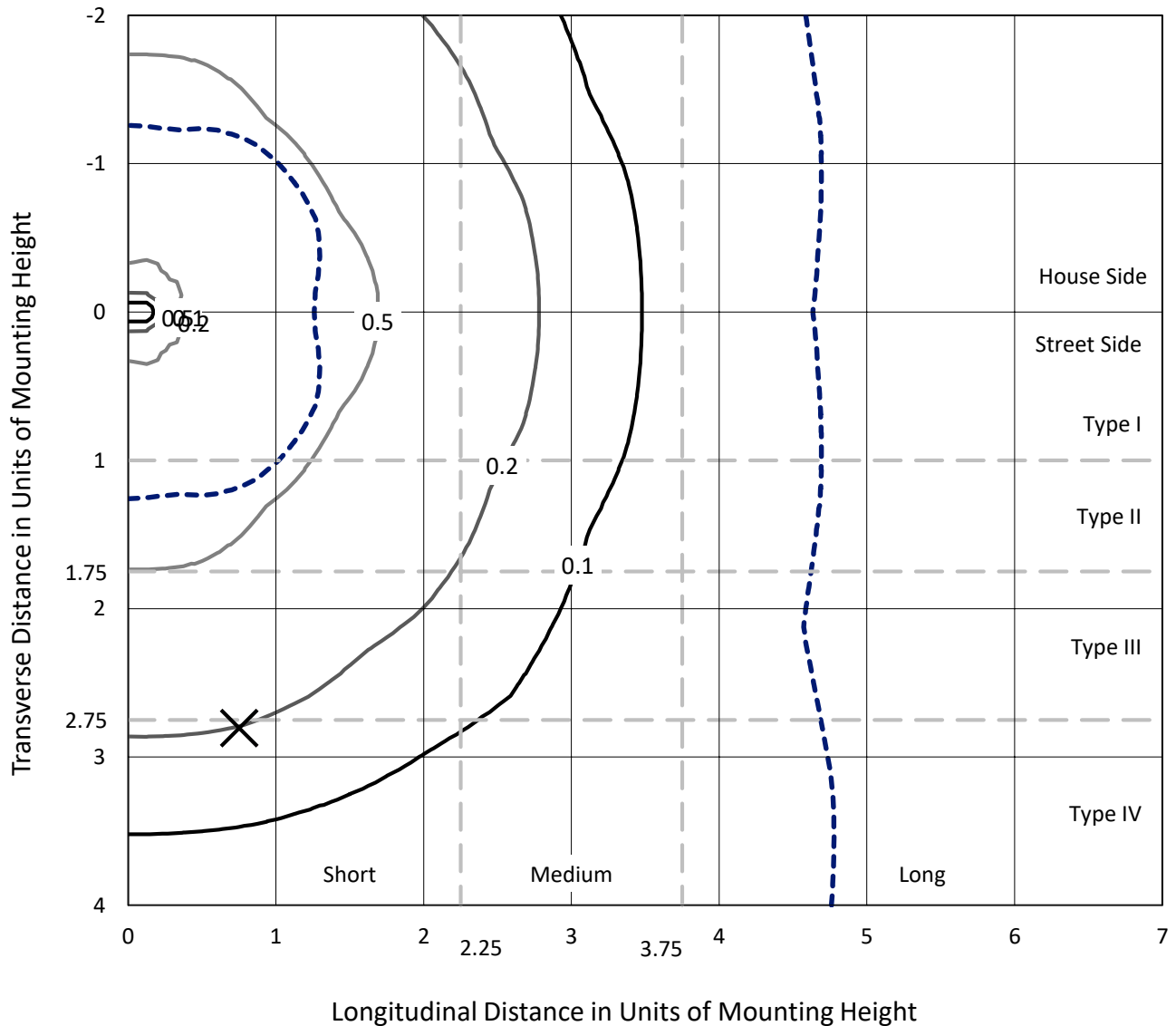
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

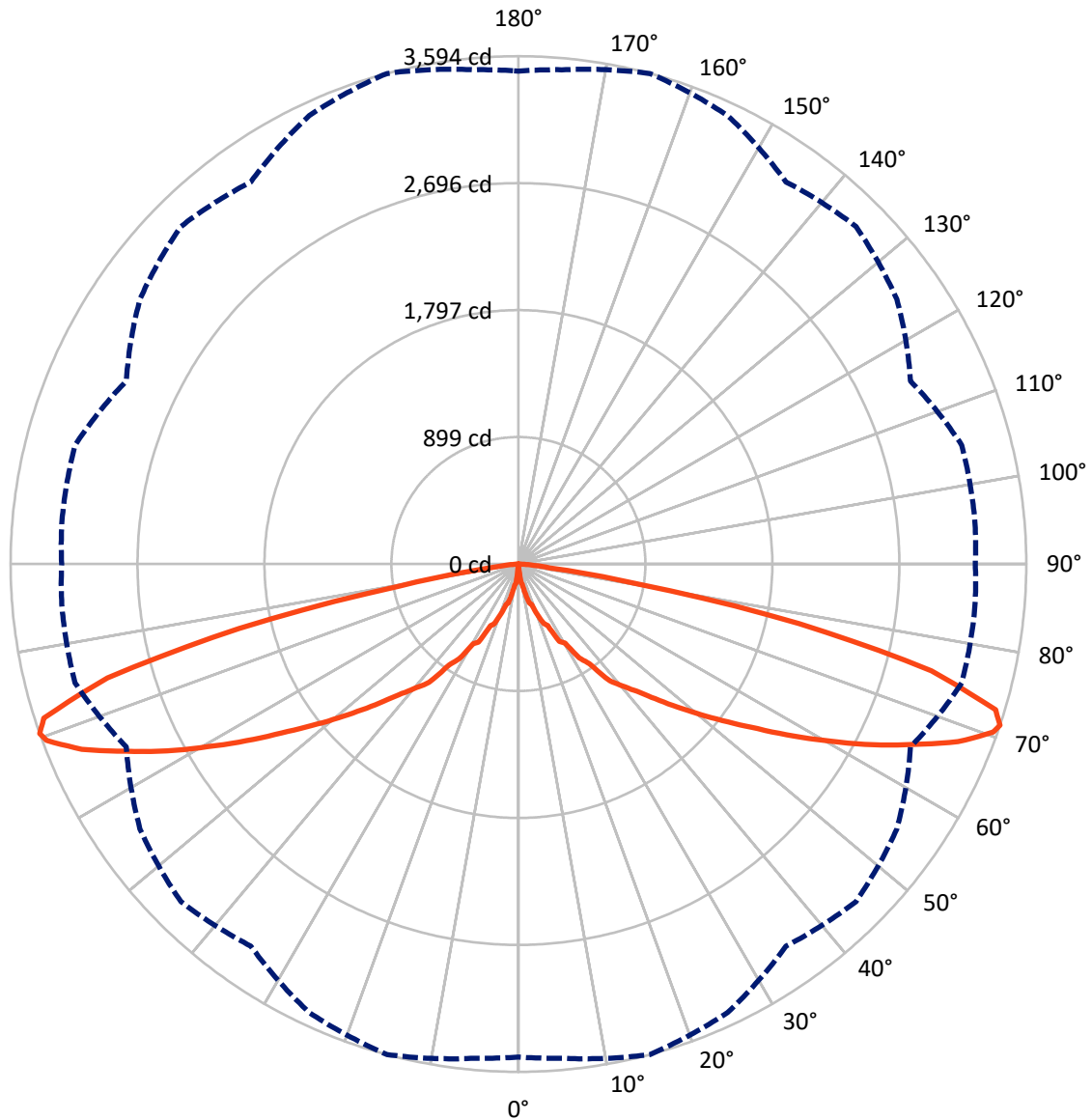
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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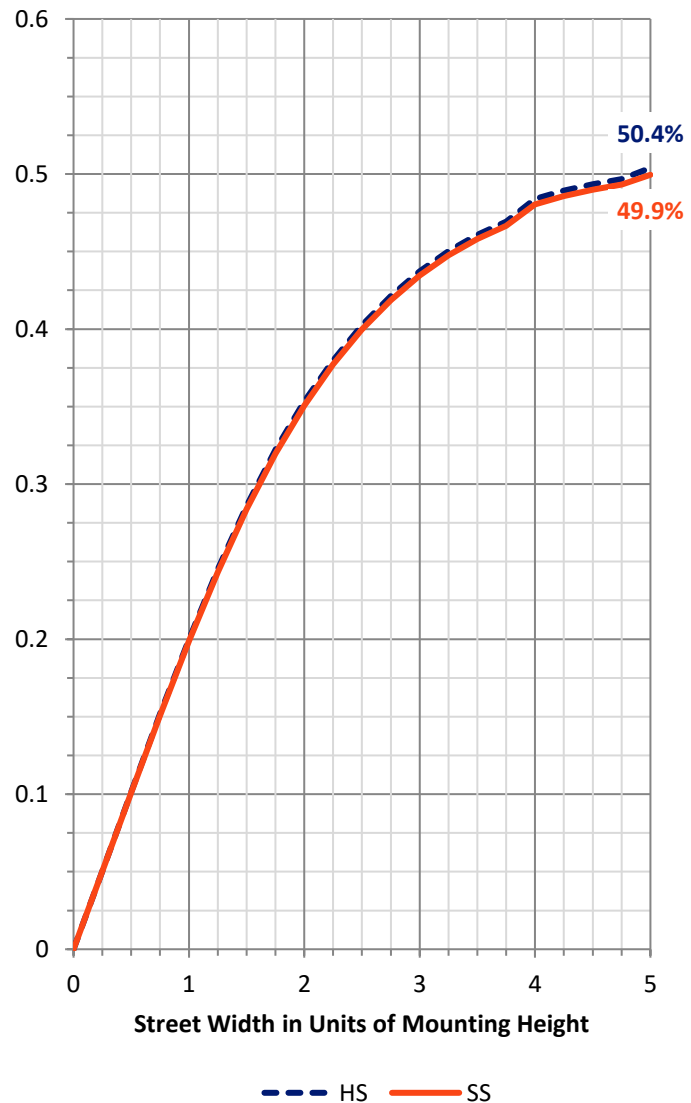
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4870.6 | 0.0 | 4870.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4870.6 | 0.0 | 4870.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9741.1 | 0.0 | 9741.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.3 | 0.0 |
| 10°-20° | 64.6 | 0.7 |
| 20°-30° | 244.0 | 2.5 |
| 30°-40° | 552.6 | 5.7 |
| 40°-50° | 987.5 | 10.1 |
| 50°-60° | 1737.8 | 17.8 |
| 60°-70° | 2874.8 | 29.5 |
| 70°-80° | 2907.2 | 29.8 |
| 80°-90° | 368.3 | 3.8 |
| 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° | 9741.1 | 100.0 |
| 0°-180° | 9741.1 | 100.0 |



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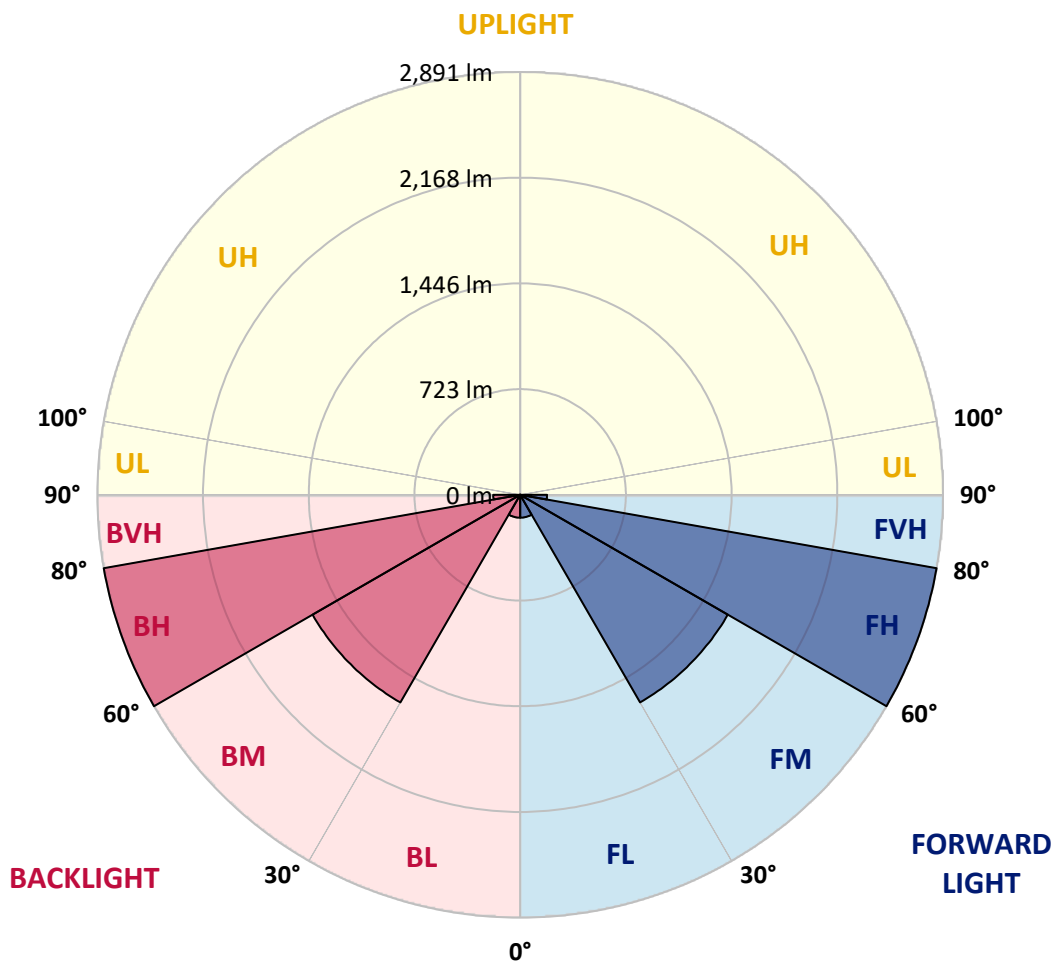
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 156.5 | 1.6 | | | |
| FM | (30°-60°) | 1638.9 | 16.8 | | | |
| FH | (60°-80°) | 2891.0 | 29.7 | | | G2/5000 |
| FVH | (80°-90°) | 184.2 | 1.9 | | | G2/225 |
| BL | (0°-30°) | 156.5 | 1.6 | B1/500 | | |
| BM | (30°-60°) | 1638.9 | 16.8 | B2/2500 | | |
| BH | (60°-80°) | 2891.0 | 29.7 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 184.2 | 1.9 | | | 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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2.5° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5° | 60 | 43 | 21 | 17 | 12 | 4 | 2 | 2 | 2 | 1 | 1 |
| 7.5° | 135 | 134 | 132 | 115 | 81 | 60 | 13 | 3 | 2 | 2 | 2 |
| 10° | 150 | 149 | 148 | 145 | 141 | 128 | 67 | 13 | 5 | 6 | 6 |
| 12.5° | 216 | 215 | 206 | 160 | 146 | 143 | 121 | 62 | 53 | 100 | 106 |
| 15° | 295 | 294 | 284 | 244 | 209 | 154 | 200 | 222 | 198 | 219 | 219 |
| 17.5° | 313 | 310 | 300 | 290 | 276 | 268 | 295 | 284 | 220 | 235 | 235 |
| 20° | 421 | 400 | 380 | 323 | 299 | 392 | 318 | 310 | 348 | 411 | 422 |
| 22.5° | 467 | 466 | 456 | 430 | 425 | 411 | 396 | 451 | 460 | 468 | 471 |
| 25° | 550 | 544 | 482 | 461 | 528 | 450 | 534 | 488 | 504 | 578 | 586 |
| 27.5° | 635 | 633 | 620 | 553 | 553 | 598 | 562 | 590 | 672 | 701 | 712 |
| 30° | 710 | 672 | 648 | 659 | 613 | 641 | 643 | 691 | 711 | 748 | 758 |
| 32.5° | 834 | 831 | 792 | 718 | 720 | 679 | 735 | 731 | 894 | 978 | 1000 |
| 35° | 925 | 932 | 866 | 837 | 769 | 809 | 786 | 889 | 942 | 1038 | 1052 |
| 37.5° | 1104 | 1103 | 1049 | 905 | 856 | 855 | 897 | 935 | 1015 | 1103 | 1112 |
| 40° | 1181 | 1179 | 1134 | 1049 | 923 | 932 | 956 | 991 | 1080 | 1180 | 1185 |
| 42.5° | 1288 | 1278 | 1232 | 1119 | 1051 | 1033 | 1039 | 1082 | 1167 | 1286 | 1281 |
| 45° | 1396 | 1399 | 1359 | 1230 | 1163 | 1126 | 1137 | 1194 | 1289 | 1407 | 1406 |
| 47.5° | 1527 | 1531 | 1512 | 1351 | 1292 | 1241 | 1262 | 1319 | 1423 | 1538 | 1536 |
| 50° | 1689 | 1688 | 1675 | 1499 | 1438 | 1388 | 1404 | 1452 | 1562 | 1676 | 1688 |
| 52.5° | 1854 | 1858 | 1856 | 1678 | 1611 | 1563 | 1578 | 1623 | 1730 | 1844 | 1854 |
| 55° | 2040 | 2059 | 2057 | 1909 | 1804 | 1791 | 1800 | 1810 | 1928 | 2039 | 2041 |
| 57.5° | 2270 | 2279 | 2297 | 2170 | 2052 | 2045 | 2028 | 2024 | 2140 | 2232 | 2218 |
| 60° | 2509 | 2518 | 2547 | 2465 | 2335 | 2349 | 2293 | 2232 | 2343 | 2417 | 2409 |
| 62.5° | 2738 | 2759 | 2816 | 2750 | 2630 | 2673 | 2566 | 2463 | 2566 | 2627 | 2615 |
| 65° | 2984 | 3010 | 3077 | 3051 | 2880 | 2971 | 2857 | 2685 | 2825 | 2855 | 2857 |
| 67.5° | 3255 | 3276 | 3356 | 3309 | 3097 | 3195 | 3101 | 2903 | 3057 | 3046 | 3035 |
| 70° | 3464 | 3490 | 3564 | 3466 | 3255 | 3337 | 3244 | 3041 | 3220 | 3226 | 3217 |
| 71° | 3489 | 3511 | 3594 | 3502 | 3301 | 3378 | 3269 | 3062 | 3248 | 3244 | 3233 |
| 72.5° | 3406 | 3433 | 3531 | 3472 | 3337 | 3429 | 3268 | 3028 | 3208 | 3171 | 3156 |
| 75° | 2885 | 2899 | 3019 | 3127 | 3207 | 3407 | 3086 | 2761 | 2881 | 2824 | 2817 |
| 77.5° | 1753 | 1789 | 2029 | 2360 | 2746 | 3067 | 2685 | 2233 | 2186 | 2017 | 1951 |
| 80° | 605 | 668 | 858 | 1207 | 1847 | 2370 | 1893 | 1365 | 1021 | 769 | 711 |
| 82.5° | 101 | 147 | 223 | 378 | 830 | 1347 | 935 | 451 | 293 | 205 | 198 |
| 85° | 34 | 40 | 85 | 105 | 194 | 371 | 218 | 125 | 108 | 69 | 64 |
| 87.5° | 5 | 7 | 11 | 12 | 17 | 10 | 18 | 19 | 15 | 10 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)