

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: McGRAW-EDISON

Report Number: P197567

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C3-LED-E1-5CQ-PM-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION  
Light Source: (168) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5817.4 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

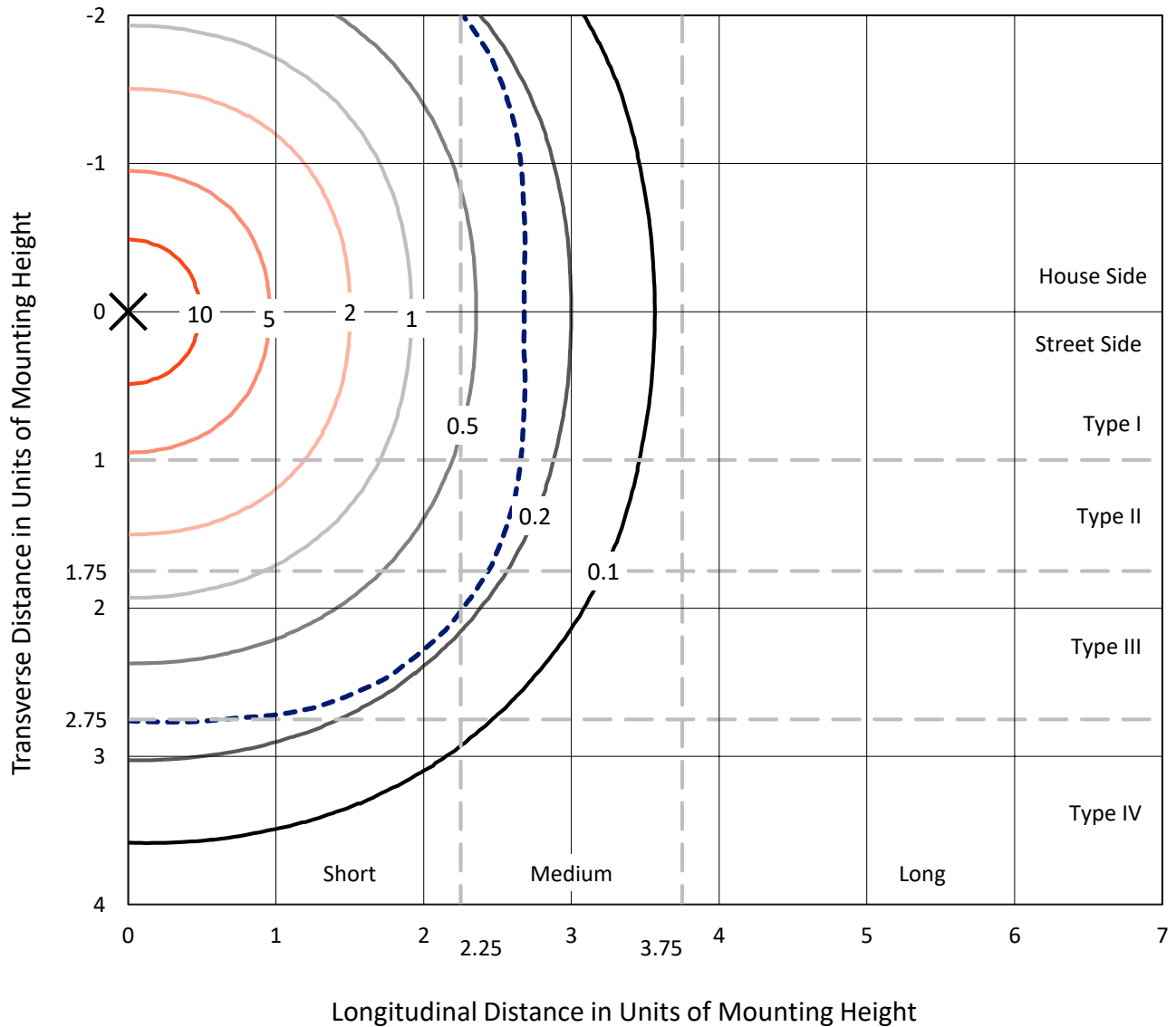
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

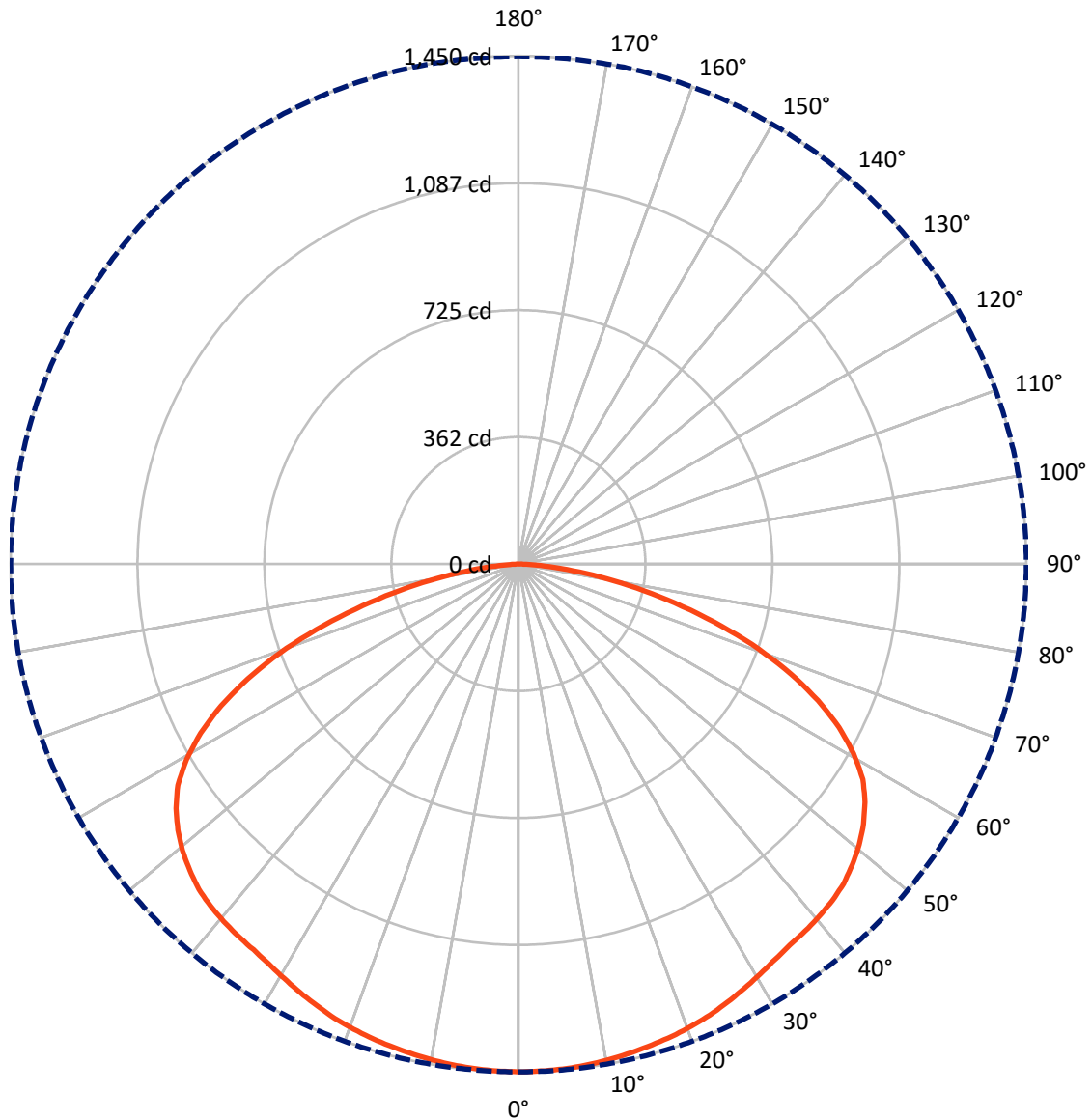
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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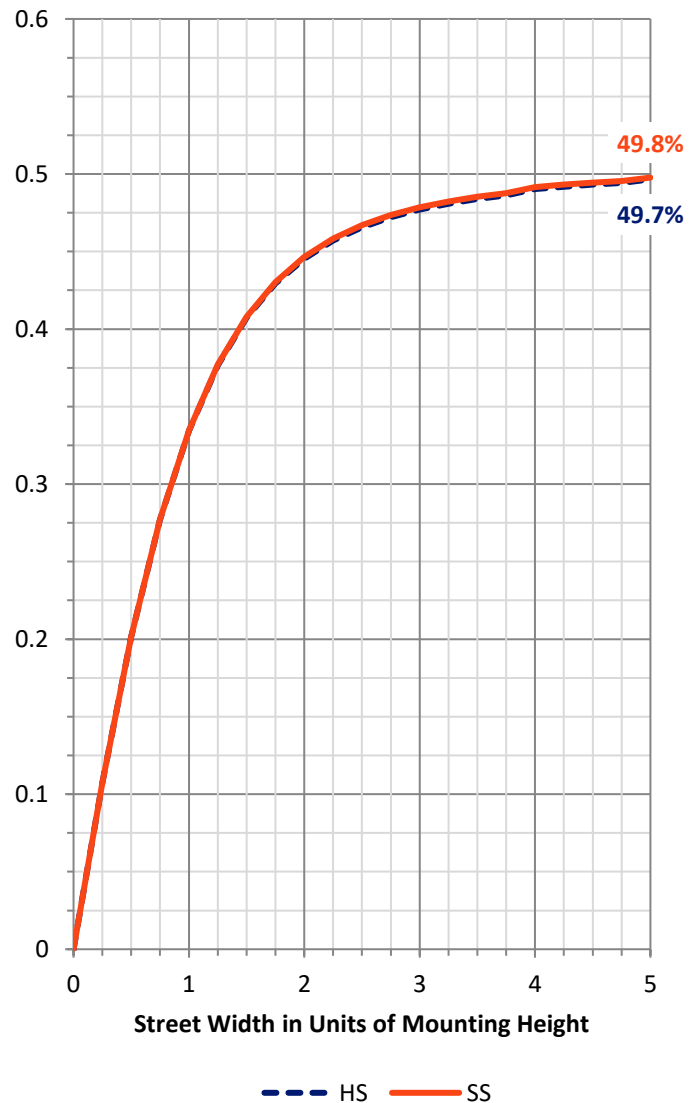
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2908.7   | 0.0    | 2908.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2908.7   | 0.0    | 2908.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5817.4   | 0.0    | 5817.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 137.8  | 2.4       |
| 10°-20°   | 403.5  | 6.9       |
| 20°-30°   | 641.8  | 11.0      |
| 30°-40°   | 848.9  | 14.6      |
| 40°-50°   | 1035.8 | 17.8      |
| 50°-60°   | 1118.6 | 19.2      |
| 60°-70°   | 968.7  | 16.7      |
| 70°-80°   | 549.3  | 9.4       |
| 80°-90°   | 113.0  | 1.9       |
| 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°    | 5817.4 | 100.0     |
| 0°-180°   | 5817.4 | 100.0     |



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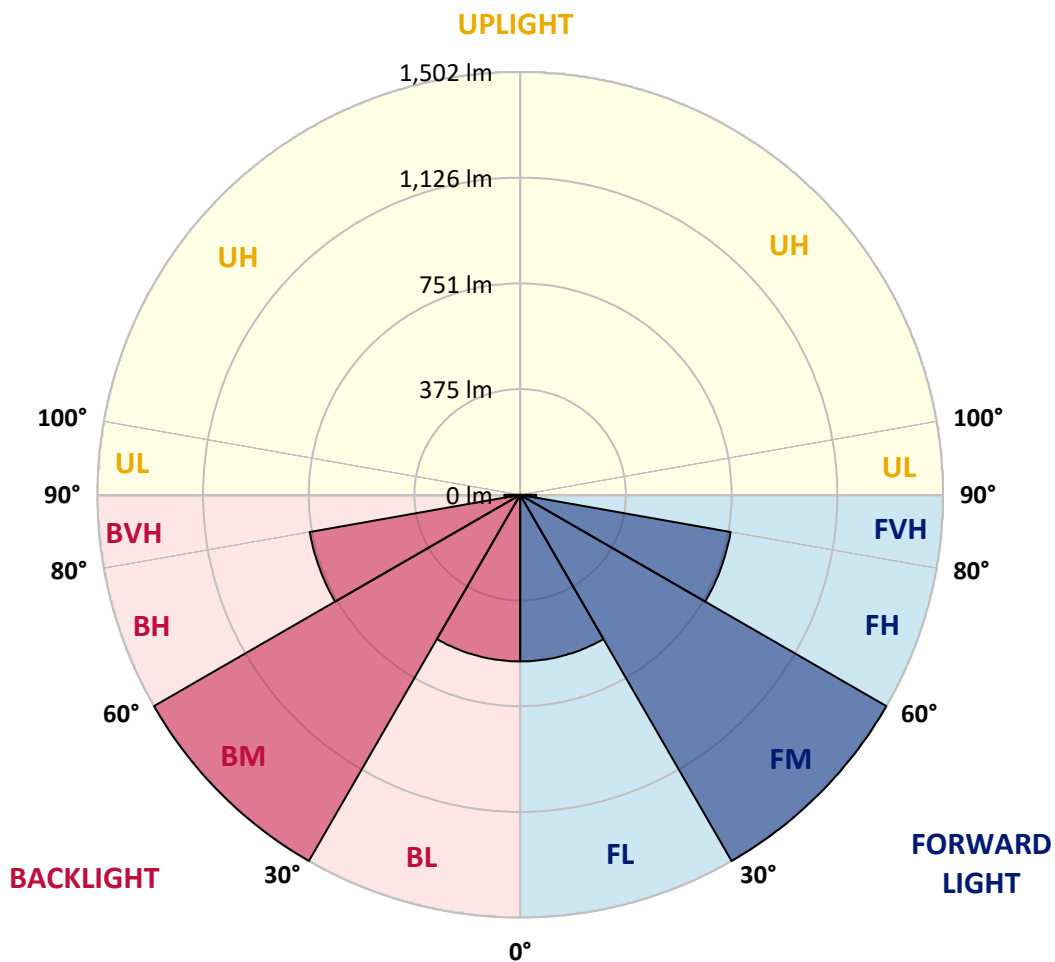
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 591.6  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 1501.7 | 25.8      |                         |      |         |
| FH   | (60°-80°)   | 759.0  | 13.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 56.5   | 1.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 591.6  | 10.2      | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1501.7 | 25.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 759.0  | 13.0      | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 56.5   | 1.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1449.8 | 1449.8 | 1449.8 | 1449.8 | 1449.8 | 1449.8 | 1449.8 | 1449.8 | 1449.8 | 1449.8 | 1449.8 |
| 2.5°  | 1448.8 | 1448.8 | 1448.8 | 1448.8 | 1448.8 | 1448.8 | 1448.8 | 1448.8 | 1448.8 | 1448.8 | 1448.8 |
| 5°    | 1446.8 | 1446.8 | 1446.8 | 1446.8 | 1446.8 | 1446.8 | 1446.8 | 1446.8 | 1446.8 | 1446.8 | 1446.8 |
| 7.5°  | 1442.8 | 1442.8 | 1442.8 | 1442.8 | 1442.8 | 1443.8 | 1442.8 | 1442.8 | 1442.8 | 1442.8 | 1443.8 |
| 10°   | 1437.8 | 1437.8 | 1438.7 | 1438.7 | 1437.8 | 1437.8 | 1437.8 | 1437.8 | 1437.8 | 1437.8 | 1437.8 |
| 12.5° | 1431.8 | 1431.8 | 1431.8 | 1431.8 | 1431.8 | 1431.8 | 1431.8 | 1431.8 | 1430.7 | 1430.7 | 1430.7 |
| 15°   | 1424.7 | 1424.7 | 1424.7 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1424.7 | 1423.7 | 1422.8 | 1423.7 |
| 17.5° | 1417.8 | 1417.8 | 1418.7 | 1419.8 | 1419.8 | 1419.8 | 1419.8 | 1417.8 | 1416.7 | 1415.7 | 1415.7 |
| 20°   | 1408.8 | 1409.7 | 1409.7 | 1410.7 | 1411.8 | 1411.8 | 1411.8 | 1410.7 | 1408.8 | 1406.7 | 1406.7 |
| 22.5° | 1398.7 | 1399.7 | 1400.7 | 1401.7 | 1402.7 | 1401.7 | 1401.7 | 1400.7 | 1398.7 | 1397.7 | 1396.7 |
| 25°   | 1385.7 | 1385.7 | 1387.7 | 1389.7 | 1390.7 | 1390.7 | 1390.7 | 1388.7 | 1386.7 | 1385.7 | 1384.7 |
| 27.5° | 1372.7 | 1372.7 | 1374.6 | 1377.7 | 1378.7 | 1379.7 | 1377.7 | 1376.7 | 1373.7 | 1371.6 | 1371.6 |
| 30°   | 1358.7 | 1358.7 | 1361.7 | 1365.7 | 1368.7 | 1369.7 | 1368.7 | 1364.7 | 1360.6 | 1358.7 | 1358.7 |
| 32.5° | 1345.6 | 1346.6 | 1349.7 | 1355.7 | 1360.6 | 1362.7 | 1361.7 | 1356.7 | 1351.6 | 1347.7 | 1346.6 |
| 35°   | 1335.6 | 1336.7 | 1342.6 | 1349.7 | 1357.6 | 1360.6 | 1357.6 | 1352.7 | 1344.7 | 1338.7 | 1338.7 |
| 37.5° | 1329.6 | 1329.6 | 1337.6 | 1349.7 | 1358.7 | 1362.7 | 1358.7 | 1351.6 | 1340.6 | 1332.6 | 1332.6 |
| 40°   | 1322.6 | 1324.7 | 1334.6 | 1349.7 | 1362.7 | 1368.7 | 1363.7 | 1353.7 | 1339.7 | 1329.6 | 1328.6 |
| 42.5° | 1313.7 | 1316.6 | 1327.7 | 1347.7 | 1363.7 | 1372.7 | 1367.7 | 1355.7 | 1338.7 | 1327.7 | 1326.6 |
| 45°   | 1301.6 | 1302.6 | 1316.6 | 1340.6 | 1361.7 | 1373.7 | 1369.7 | 1354.6 | 1335.6 | 1322.6 | 1320.6 |
| 47.5° | 1282.6 | 1284.6 | 1301.6 | 1329.6 | 1355.7 | 1368.7 | 1365.7 | 1348.6 | 1324.7 | 1309.6 | 1306.6 |
| 50°   | 1260.6 | 1262.5 | 1282.6 | 1314.6 | 1343.6 | 1358.7 | 1353.7 | 1332.6 | 1306.6 | 1286.6 | 1284.6 |
| 52.5° | 1233.5 | 1237.5 | 1259.5 | 1295.6 | 1326.6 | 1340.6 | 1332.6 | 1305.6 | 1275.6 | 1253.5 | 1251.5 |
| 55°   | 1200.5 | 1204.5 | 1229.6 | 1267.5 | 1298.6 | 1309.6 | 1298.6 | 1266.6 | 1234.5 | 1209.4 | 1204.5 |
| 57.5° | 1159.4 | 1162.5 | 1186.4 | 1226.5 | 1256.5 | 1265.5 | 1251.5 | 1218.5 | 1180.4 | 1153.4 | 1150.4 |
| 60°   | 1099.3 | 1103.3 | 1131.3 | 1168.5 | 1198.4 | 1209.4 | 1195.4 | 1155.4 | 1114.3 | 1087.4 | 1086.3 |
| 62.5° | 1027.2 | 1034.3 | 1058.3 | 1098.4 | 1125.4 | 1140.4 | 1121.4 | 1080.3 | 1039.3 | 1008.2 | 1008.2 |
| 65°   | 940.1  | 945.2  | 971.2  | 1010.2 | 1036.2 | 1049.3 | 1030.2 | 992.2  | 947.2  | 920.1  | 917.1  |
| 67.5° | 840.0  | 844.1  | 867.1  | 907.1  | 935.1  | 946.1  | 925.2  | 889.1  | 847.1  | 818.0  | 815.0  |
| 70°   | 728.9  | 734.9  | 751.9  | 789.0  | 814.0  | 820.0  | 803.9  | 769.9  | 731.9  | 705.8  | 703.9  |
| 72.5° | 607.7  | 612.7  | 634.8  | 663.8  | 683.8  | 685.8  | 675.9  | 650.8  | 611.8  | 590.7  | 587.7  |
| 75°   | 483.6  | 491.6  | 510.7  | 535.6  | 550.7  | 550.7  | 544.7  | 526.6  | 492.6  | 476.5  | 476.5  |
| 77.5° | 366.4  | 370.4  | 390.5  | 407.5  | 419.5  | 425.5  | 418.6  | 402.5  | 375.4  | 364.4  | 358.4  |
| 80°   | 255.3  | 259.3  | 268.3  | 281.4  | 293.4  | 297.3  | 289.3  | 276.4  | 261.3  | 253.4  | 249.3  |
| 82.5° | 156.2  | 160.2  | 165.2  | 172.3  | 180.2  | 184.2  | 179.2  | 171.2  | 158.2  | 157.2  | 156.2  |
| 85°   | 75.1   | 77.1   | 81.1   | 83.1   | 87.1   | 88.1   | 89.1   | 85.1   | 81.1   | 76.1   | 78.1   |
| 87.5° | 23.0   | 23.0   | 24.1   | 25.0   | 27.1   | 27.1   | 27.1   | 26.0   | 24.1   | 23.0   | 23.0   |
| 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)