

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: P522667

Luminaire Tested: **GLAN-SA2C-722-U-T4W**

Issue Date: 5/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P522667  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-722-U-T4W  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10401 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 108  
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



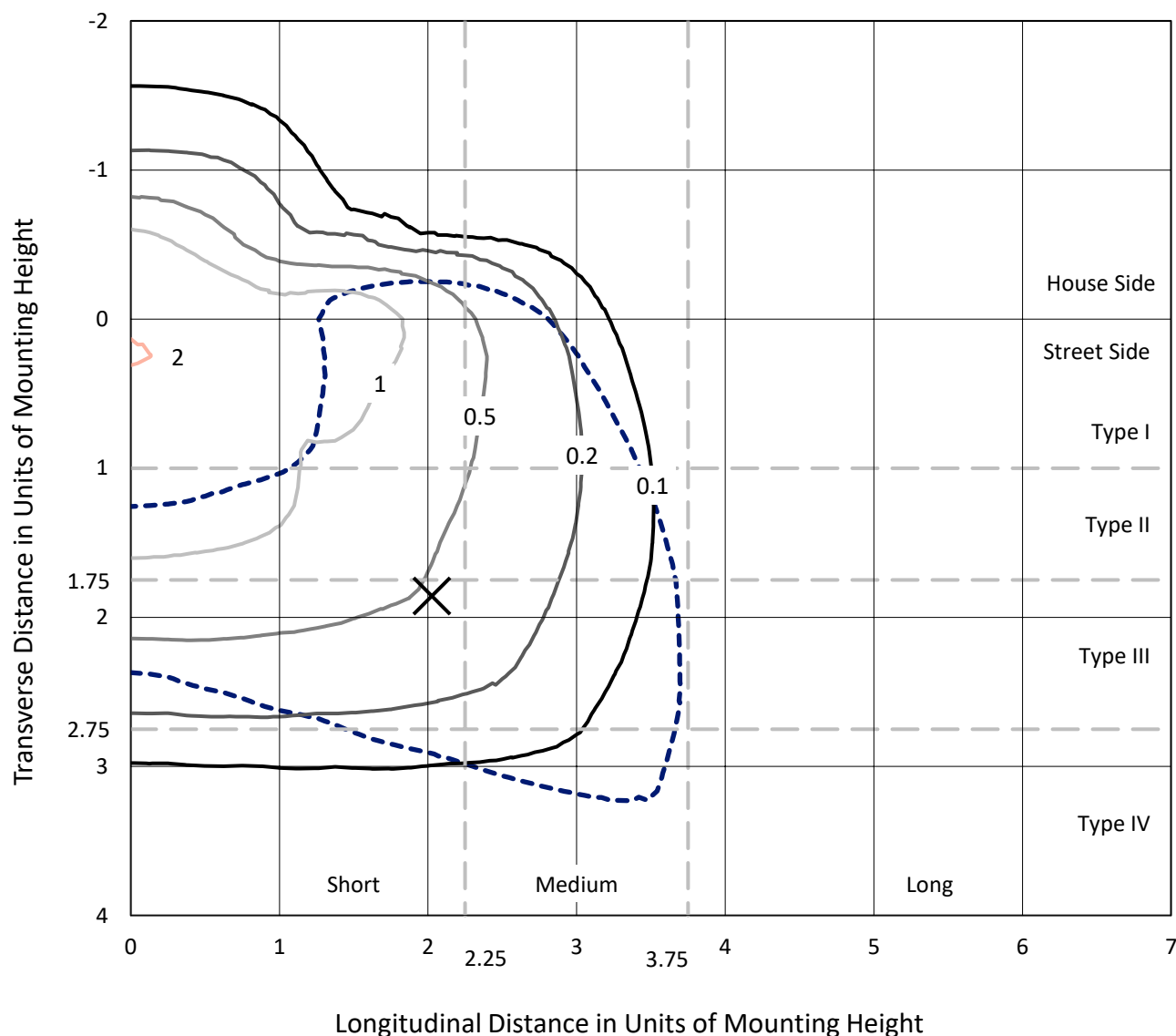
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



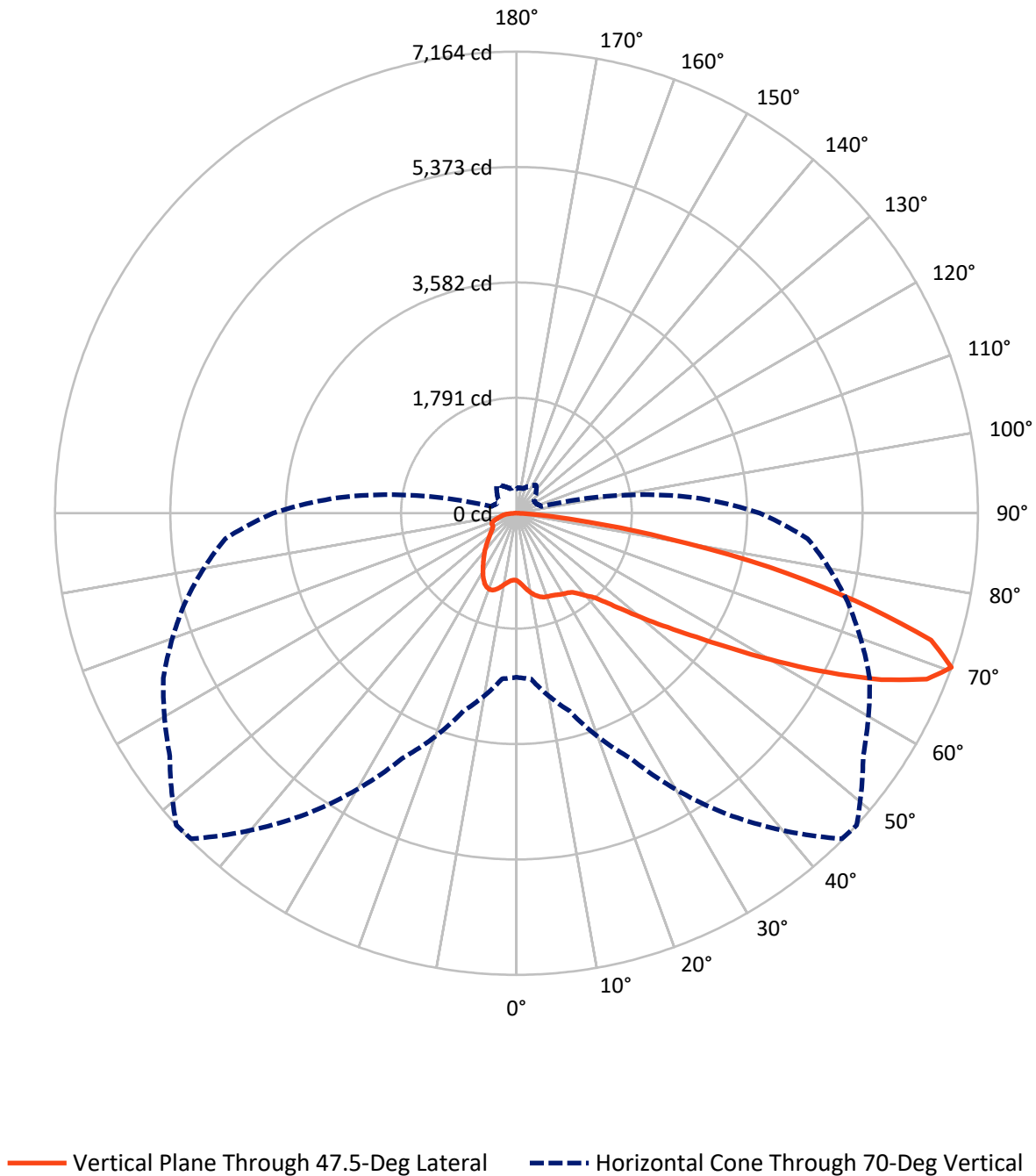
Based on 25 foot mounting height. Maximum calculated value = 2.1 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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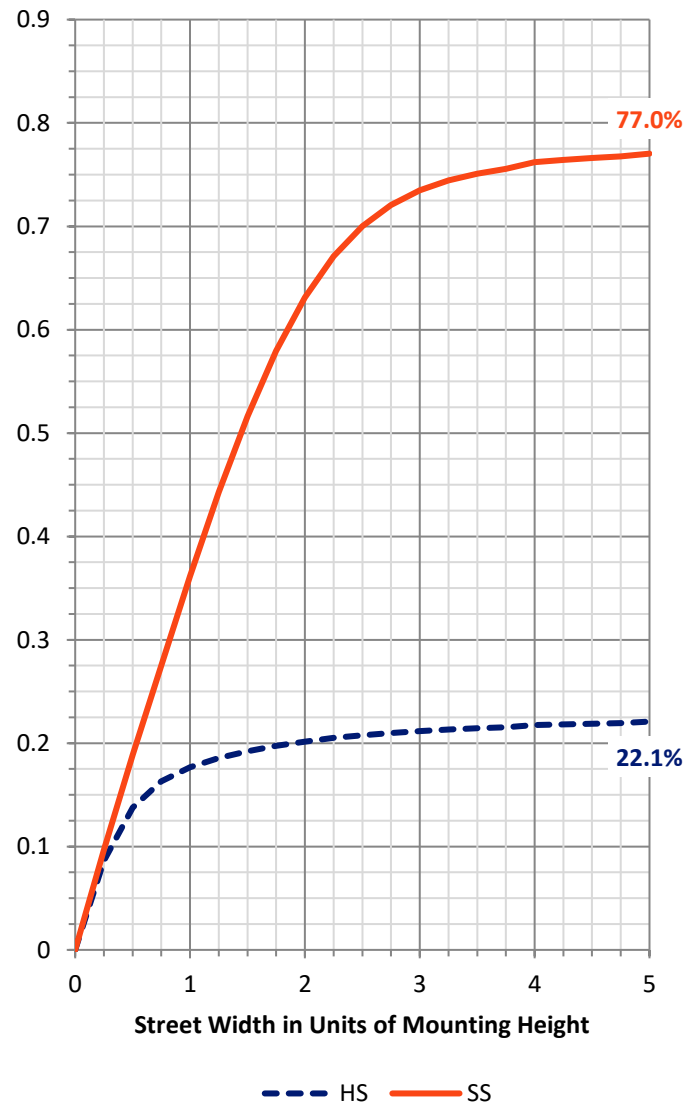
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2355.0   | 0.0    | 2355.0  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 8046.0   | 0.0    | 8046.0  |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 10401.0  | 0.0    | 10401.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 107.6   | 1.0       |
| 10°-20°   | 359.8   | 3.5       |
| 20°-30°   | 598.4   | 5.8       |
| 30°-40°   | 848.1   | 8.2       |
| 40°-50°   | 1252.0  | 12.0      |
| 50°-60°   | 2168.4  | 20.8      |
| 60°-70°   | 3063.0  | 29.4      |
| 70°-80°   | 1760.8  | 16.9      |
| 80°-90°   | 242.9   | 2.3       |
| 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°    | 10401.0 | 100.0     |
| 0°-180°   | 10401.0 | 100.0     |

**Coefficient of Utilization**



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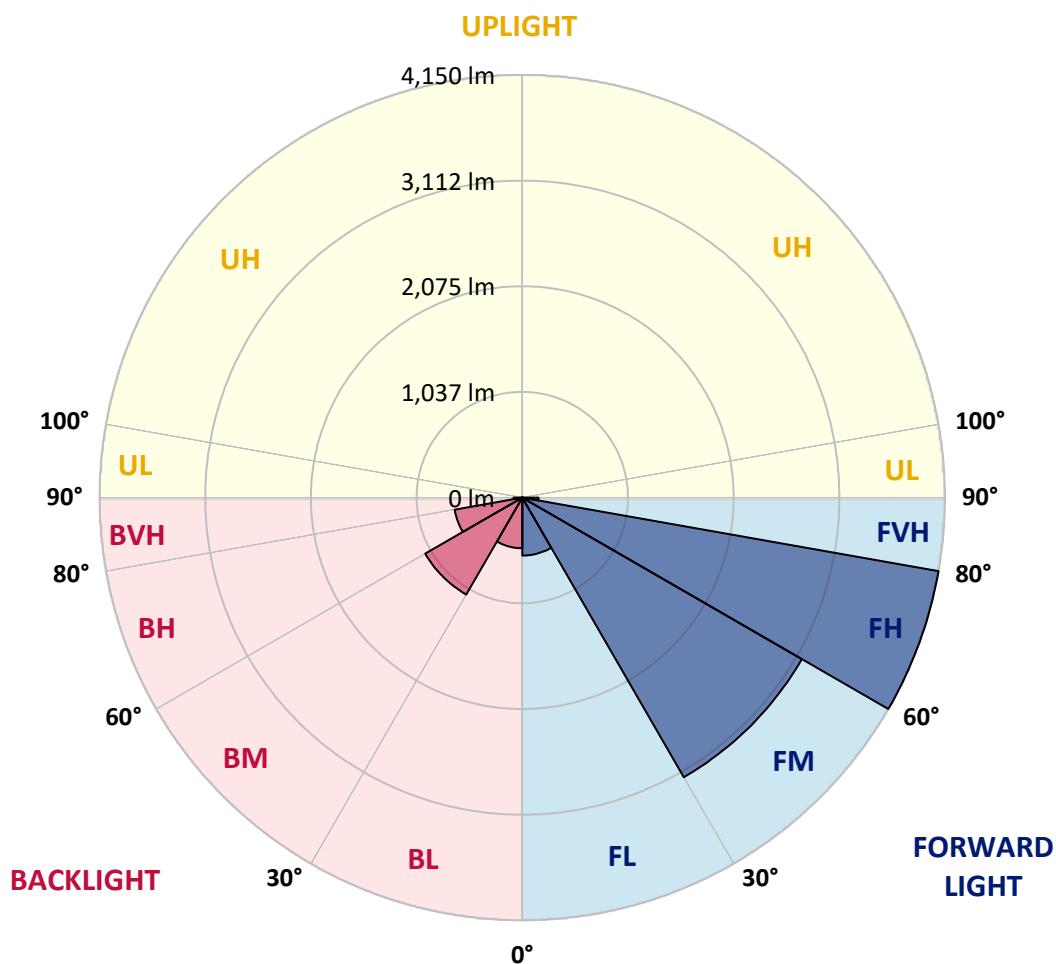
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 568.8  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 3169.0 | 30.5      |                         |      |         |
| FH   | (60°-80°)   | 4149.6 | 39.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 158.7  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 497.0  | 4.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1099.5 | 10.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 674.2  | 6.5       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 84.2   | 0.8       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 47.5°  | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 |
| 2.5°  | 1111.5 | 1107.6 | 1107.0 | 1098.7 | 1094.2 | 1085.9 | 1082.5 | 1074.7 | 1065.3 | 1055.8 | 1046.9 |
| 5°    | 1198.9 | 1198.9 | 1195.0 | 1183.3 | 1164.9 | 1146.0 | 1137.6 | 1122.6 | 1095.9 | 1074.2 | 1055.8 |
| 7.5°  | 1288.5 | 1289.6 | 1281.8 | 1264.5 | 1238.4 | 1207.8 | 1200.0 | 1177.7 | 1139.9 | 1108.1 | 1080.9 |
| 10°   | 1365.8 | 1365.8 | 1355.3 | 1331.9 | 1299.0 | 1265.7 | 1257.9 | 1232.8 | 1190.5 | 1151.0 | 1115.4 |
| 12.5° | 1424.8 | 1424.8 | 1410.9 | 1380.3 | 1344.7 | 1314.6 | 1305.7 | 1281.8 | 1242.3 | 1198.3 | 1153.2 |
| 15°   | 1463.2 | 1460.5 | 1444.9 | 1410.4 | 1375.9 | 1349.7 | 1343.6 | 1323.5 | 1287.4 | 1242.8 | 1192.2 |
| 17.5° | 1464.9 | 1463.8 | 1448.8 | 1419.8 | 1389.8 | 1372.0 | 1368.1 | 1354.7 | 1326.3 | 1284.0 | 1230.6 |
| 20°   | 1432.6 | 1434.9 | 1424.8 | 1404.2 | 1389.8 | 1382.0 | 1380.3 | 1375.9 | 1355.8 | 1316.3 | 1262.9 |
| 22.5° | 1398.1 | 1402.0 | 1392.6 | 1381.4 | 1380.3 | 1388.1 | 1389.2 | 1390.3 | 1377.5 | 1339.1 | 1290.1 |
| 25°   | 1389.8 | 1392.6 | 1383.1 | 1373.1 | 1379.2 | 1399.8 | 1404.2 | 1408.7 | 1398.7 | 1366.4 | 1322.4 |
| 27.5° | 1432.1 | 1429.8 | 1411.5 | 1389.8 | 1393.7 | 1421.5 | 1427.6 | 1432.6 | 1427.6 | 1399.8 | 1362.5 |
| 30°   | 1551.7 | 1544.5 | 1507.8 | 1444.3 | 1424.3 | 1443.8 | 1449.9 | 1463.8 | 1463.8 | 1443.2 | 1405.9 |
| 32.5° | 1752.1 | 1738.2 | 1670.8 | 1546.2 | 1476.6 | 1464.9 | 1471.0 | 1493.8 | 1505.5 | 1489.4 | 1448.8 |
| 35°   | 1995.3 | 1980.9 | 1884.6 | 1717.0 | 1572.3 | 1507.2 | 1505.5 | 1531.1 | 1562.3 | 1526.1 | 1473.3 |
| 37.5° | 2239.7 | 2224.6 | 2108.9 | 1920.7 | 1712.0 | 1596.3 | 1586.2 | 1595.1 | 1608.5 | 1542.3 | 1507.2 |
| 40°   | 2484.0 | 2466.2 | 2364.9 | 2148.4 | 1882.9 | 1714.3 | 1688.1 | 1648.0 | 1642.5 | 1595.1 | 1572.9 |
| 42.5° | 2726.1 | 2710.0 | 2658.8 | 2403.8 | 2087.7 | 1829.5 | 1789.4 | 1720.4 | 1741.5 | 1713.1 | 1693.7 |
| 45°   | 2970.4 | 2971.6 | 2917.0 | 2690.5 | 2334.8 | 2042.1 | 1988.1 | 1880.1 | 1930.2 | 1919.6 | 1930.8 |
| 47.5° | 3187.0 | 3184.2 | 3164.7 | 2968.8 | 2641.5 | 2315.9 | 2246.3 | 2121.1 | 2206.8 | 2245.8 | 2330.9 |
| 50°   | 3396.8 | 3395.1 | 3396.2 | 3284.4 | 2997.7 | 2641.5 | 2564.7 | 2433.3 | 2626.5 | 2761.7 | 2914.2 |
| 52.5° | 3697.3 | 3706.8 | 3639.4 | 3609.9 | 3430.7 | 3026.1 | 2941.5 | 2805.7 | 3122.4 | 3335.6 | 3633.3 |
| 55°   | 3999.0 | 3991.2 | 3938.3 | 3968.9 | 3883.8 | 3481.4 | 3392.9 | 3284.9 | 3674.5 | 3907.7 | 4355.2 |
| 57.5° | 4176.5 | 4179.3 | 4233.3 | 4383.0 | 4443.1 | 4049.1 | 3968.9 | 3885.5 | 4295.1 | 4460.4 | 4997.5 |
| 60°   | 4336.3 | 4349.1 | 4504.4 | 4787.1 | 4950.2 | 4746.5 | 4675.2 | 4594.0 | 4864.5 | 4930.1 | 5555.2 |
| 62.5° | 4386.4 | 4425.9 | 4696.9 | 5119.9 | 5444.4 | 5533.5 | 5445.0 | 5265.8 | 5406.6 | 5381.0 | 5933.1 |
| 65°   | 4136.5 | 4190.5 | 4676.3 | 5244.6 | 5885.8 | 6280.4 | 6224.2 | 5891.3 | 5868.5 | 5714.4 | 5994.9 |
| 67.5° | 3478.6 | 3532.6 | 4156.5 | 4983.0 | 6068.3 | 6927.1 | 6870.9 | 6347.7 | 6149.0 | 5745.5 | 5527.3 |
| 70°   | 2545.2 | 2579.2 | 3175.8 | 4195.5 | 5701.6 | 7144.2 | 7163.7 | 6570.4 | 6048.9 | 5322.0 | 4538.3 |
| 72.5° | 1466.6 | 1541.7 | 1959.7 | 2951.5 | 4658.0 | 6595.4 | 6730.7 | 6107.3 | 5415.5 | 4439.8 | 3173.0 |
| 75°   | 630.6  | 632.3  | 906.1  | 1628.0 | 3154.7 | 5301.4 | 5432.2 | 5062.6 | 4252.8 | 3070.1 | 1694.2 |
| 77.5° | 300.0  | 305.6  | 398.5  | 726.9  | 1736.5 | 3662.8 | 4015.7 | 3576.6 | 2720.0 | 1474.9 | 640.1  |
| 80°   | 194.8  | 198.7  | 243.8  | 360.7  | 851.6  | 2123.9 | 2369.9 | 2063.2 | 1200.0 | 527.1  | 276.1  |
| 82.5° | 118.0  | 119.1  | 163.1  | 220.4  | 468.6  | 961.8  | 1133.7 | 895.5  | 512.0  | 315.6  | 162.5  |
| 85°   | 71.8   | 72.4   | 99.1   | 136.4  | 284.4  | 332.3  | 341.2  | 338.4  | 300.6  | 206.5  | 86.8   |
| 87.5° | 34.5   | 35.6   | 51.2   | 64.6   | 111.9  | 103.0  | 97.4   | 113.0  | 141.9  | 111.3  | 37.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 | 1044.1 |
| 2.5°  | 1043.0 | 1041.4 | 1037.5 | 1035.8 | 1034.7 | 1035.2 | 1034.7 | 1034.7 | 1035.2 | 1035.2 | 1035.2 |
| 5°    | 1048.0 | 1045.2 | 1039.1 | 1039.1 | 1042.5 | 1050.3 | 1057.5 | 1063.1 | 1069.2 | 1068.6 | 1068.6 |
| 7.5°  | 1069.7 | 1064.7 | 1057.5 | 1059.7 | 1068.1 | 1080.3 | 1093.1 | 1105.4 | 1117.6 | 1118.7 | 1118.2 |
| 10°   | 1101.5 | 1096.5 | 1088.7 | 1091.4 | 1104.8 | 1123.2 | 1139.3 | 1157.1 | 1170.5 | 1174.4 | 1173.3 |
| 12.5° | 1137.6 | 1127.6 | 1120.9 | 1128.7 | 1149.9 | 1174.4 | 1190.0 | 1203.3 | 1212.8 | 1218.3 | 1216.1 |
| 15°   | 1174.4 | 1164.9 | 1157.1 | 1173.3 | 1198.9 | 1221.7 | 1229.5 | 1231.7 | 1233.4 | 1238.9 | 1237.8 |
| 17.5° | 1210.0 | 1197.2 | 1194.4 | 1215.6 | 1240.0 | 1250.1 | 1245.6 | 1236.2 | 1228.9 | 1233.4 | 1232.8 |
| 20°   | 1241.7 | 1231.7 | 1230.6 | 1251.7 | 1261.2 | 1251.7 | 1232.8 | 1216.1 | 1203.3 | 1204.4 | 1203.9 |
| 22.5° | 1271.8 | 1264.0 | 1265.1 | 1274.0 | 1259.0 | 1226.7 | 1195.5 | 1172.7 | 1158.8 | 1161.6 | 1163.2 |
| 25°   | 1305.2 | 1297.4 | 1300.2 | 1285.7 | 1236.2 | 1179.9 | 1134.9 | 1115.4 | 1109.8 | 1115.4 | 1119.3 |
| 27.5° | 1348.6 | 1343.6 | 1341.9 | 1286.2 | 1195.5 | 1110.9 | 1059.7 | 1052.5 | 1057.5 | 1069.7 | 1075.9 |
| 30°   | 1395.3 | 1395.3 | 1386.4 | 1276.8 | 1139.9 | 1028.0 | 983.5  | 984.6  | 1001.8 | 1019.1 | 1025.2 |
| 32.5° | 1440.4 | 1449.9 | 1422.0 | 1251.2 | 1068.1 | 947.3  | 913.3  | 914.5  | 929.5  | 950.6  | 956.2  |
| 35°   | 1477.7 | 1505.0 | 1452.7 | 1204.4 | 983.5  | 879.4  | 853.8  | 838.8  | 839.3  | 855.5  | 859.9  |
| 37.5° | 1528.9 | 1579.6 | 1470.5 | 1134.9 | 893.3  | 821.5  | 792.6  | 766.4  | 749.2  | 742.5  | 742.5  |
| 40°   | 1618.0 | 1692.5 | 1474.9 | 1031.9 | 808.1  | 766.4  | 725.2  | 694.0  | 660.7  | 630.6  | 625.0  |
| 42.5° | 1768.8 | 1862.9 | 1466.0 | 913.3  | 731.3  | 705.7  | 665.7  | 627.3  | 581.1  | 538.8  | 535.4  |
| 45°   | 2036.0 | 2084.4 | 1442.1 | 790.3  | 662.9  | 647.3  | 608.3  | 566.6  | 517.6  | 479.8  | 477.0  |
| 47.5° | 2464.0 | 2395.5 | 1410.4 | 681.2  | 600.5  | 596.1  | 566.0  | 517.6  | 468.6  | 442.5  | 439.7  |
| 50°   | 3089.0 | 2885.3 | 1405.9 | 602.2  | 550.5  | 552.7  | 528.2  | 483.7  | 440.8  | 419.1  | 415.8  |
| 52.5° | 3841.5 | 3476.9 | 1435.4 | 546.6  | 506.5  | 514.8  | 502.6  | 461.4  | 423.6  | 405.2  | 401.8  |
| 55°   | 4571.7 | 4009.0 | 1453.2 | 503.1  | 465.3  | 480.9  | 482.6  | 448.0  | 413.5  | 395.2  | 392.9  |
| 57.5° | 5164.5 | 4409.7 | 1374.2 | 463.6  | 429.7  | 453.6  | 465.9  | 440.3  | 408.5  | 394.6  | 392.4  |
| 60°   | 5576.9 | 4599.0 | 1149.3 | 428.6  | 403.5  | 431.9  | 459.7  | 440.8  | 420.8  | 422.4  | 423.6  |
| 62.5° | 5708.2 | 4514.9 | 862.1  | 402.4  | 385.7  | 424.7  | 469.7  | 463.6  | 443.0  | 455.8  | 458.1  |
| 65°   | 5490.6 | 4167.6 | 625.0  | 381.8  | 370.1  | 429.7  | 499.8  | 480.3  | 435.2  | 444.7  | 444.7  |
| 67.5° | 4762.1 | 3590.5 | 486.4  | 362.9  | 352.3  | 439.1  | 529.9  | 478.7  | 416.9  | 428.0  | 418.0  |
| 70°   | 3777.5 | 2777.3 | 405.2  | 341.7  | 333.4  | 425.2  | 532.6  | 461.4  | 395.2  | 397.4  | 378.5  |
| 72.5° | 2506.8 | 1826.1 | 348.4  | 321.7  | 304.4  | 382.4  | 509.8  | 439.1  | 374.0  | 361.2  | 342.3  |
| 75°   | 1228.4 | 910.6  | 303.9  | 296.7  | 266.6  | 332.8  | 478.7  | 418.0  | 351.2  | 331.2  | 320.6  |
| 77.5° | 475.9  | 387.4  | 259.4  | 264.9  | 232.1  | 293.3  | 437.5  | 387.9  | 321.1  | 293.9  | 285.5  |
| 80°   | 231.0  | 219.8  | 212.6  | 221.0  | 190.9  | 249.9  | 399.6  | 361.8  | 293.3  | 263.3  | 251.0  |
| 82.5° | 143.6  | 135.8  | 163.1  | 172.0  | 146.9  | 228.2  | 379.0  | 339.5  | 258.3  | 218.2  | 208.2  |
| 85°   | 72.9   | 77.9   | 109.1  | 117.4  | 105.2  | 181.4  | 312.2  | 254.9  | 186.5  | 154.7  | 155.8  |
| 87.5° | 27.8   | 37.3   | 57.3   | 61.8   | 56.2   | 95.7   | 172.0  | 148.6  | 119.7  | 81.3   | 75.1   |
| 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)