

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: P140998

Luminaire Tested: **CEM-E03-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P140998
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33690)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CEM-E03-LED-E-U-SL2-8030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7286.7 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): 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

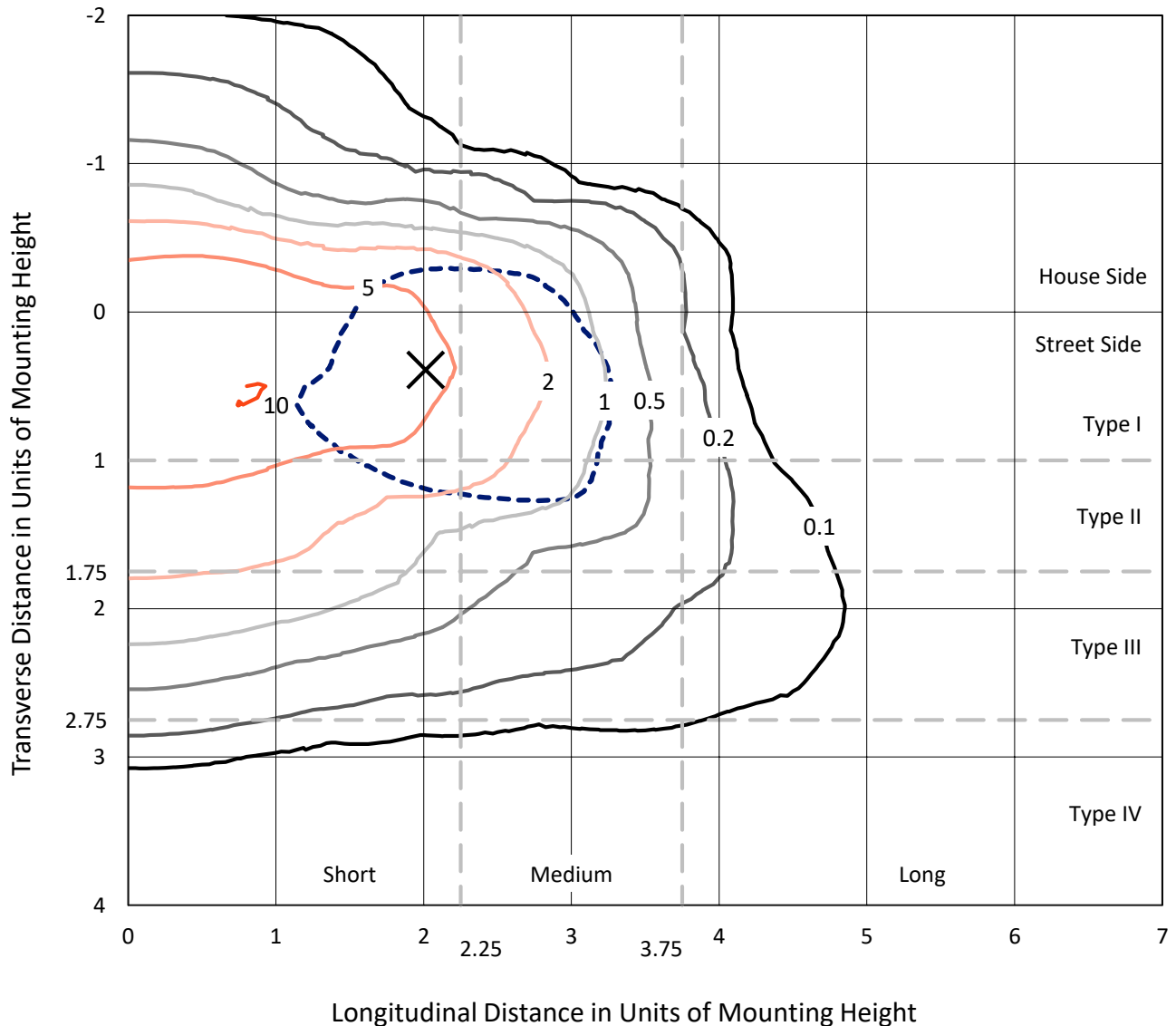


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Iso-Footcandle Lines of Horizontal Illumination

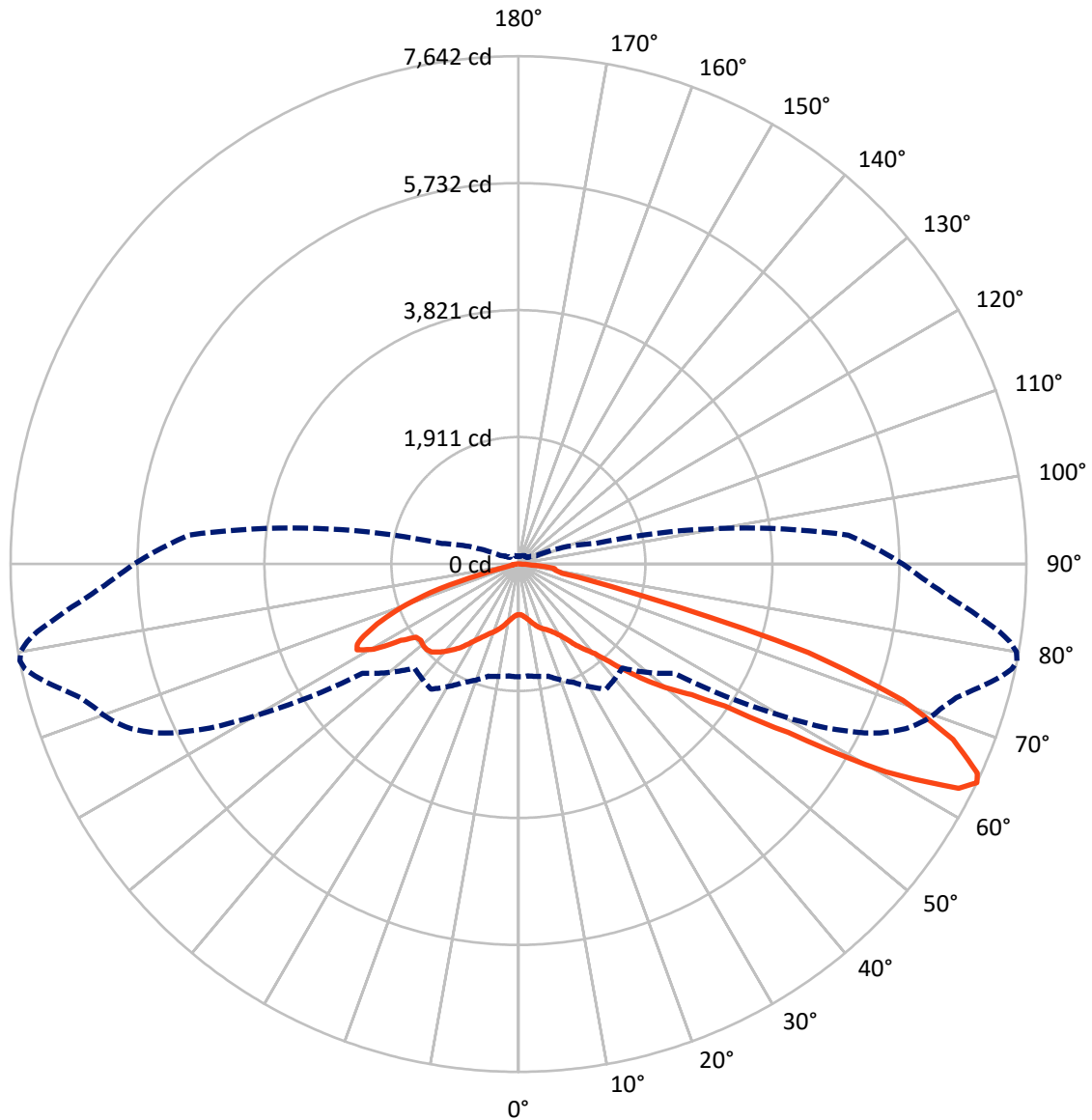
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1736.9 | 0.0 | 1736.9 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 5549.8 | 0.0 | 5549.8 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 7286.7 | 0.0 | 7286.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 75.5 | 1.0 |
| 10°-20° | 244.8 | 3.4 |
| 20°-30° | 420.2 | 5.8 |
| 30°-40° | 702.4 | 9.6 |
| 40°-50° | 1203.2 | 16.5 |
| 50°-60° | 1623.1 | 22.3 |
| 60°-70° | 2053.1 | 28.2 |
| 70°-80° | 819.2 | 11.2 |
| 80°-90° | 145.3 | 2.0 |
| 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° | 7286.7 | 100.0 |
| 0°-180° | 7286.7 | 100.0 |



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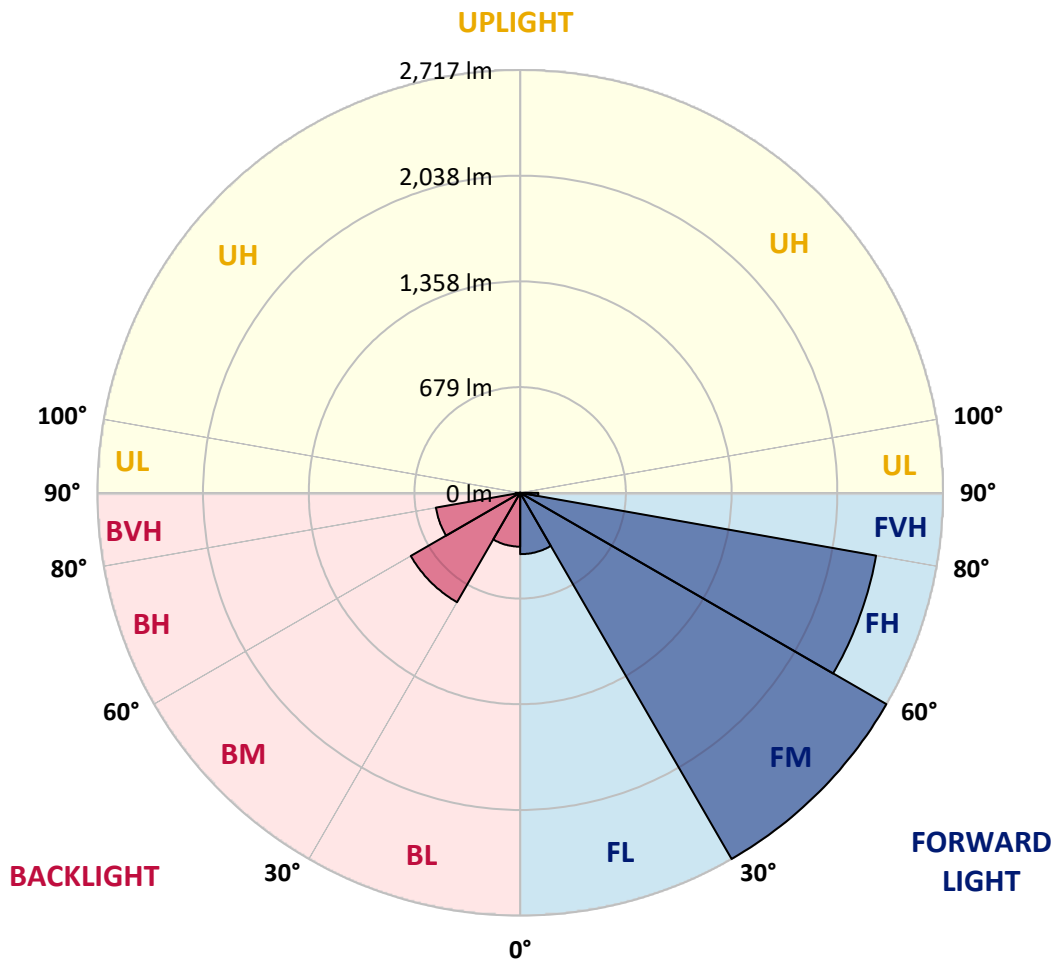
CATALOG NUMBER: CEM-E03-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 394.4 | 5.4 | | | |
| FM (30°-60°) | 2717.0 | 37.3 | | | |
| FH (60°-80°) | 2322.1 | 31.9 | | | G2/5000 |
| FVH (80°-90°) | 116.4 | 1.6 | | | G2/225 |
| BL (0°-30°) | 346.1 | 4.7 | B1/500 | | |
| BM (30°-60°) | 811.6 | 11.1 | B1/1000 | | |
| BH (60°-80°) | 550.2 | 7.6 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 28.9 | 0.4 | | | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 |
| 2.5° | 758.7 | 759.6 | 758.7 | 761.3 | 763.0 | 765.5 | 765.5 | 765.5 | 765.5 | 765.5 | 765.5 |
| 5° | 757.9 | 758.7 | 757.9 | 762.1 | 766.3 | 771.4 | 776.5 | 778.2 | 778.2 | 779.0 | 779.8 |
| 7.5° | 765.5 | 766.3 | 765.5 | 770.6 | 776.5 | 784.9 | 794.2 | 799.3 | 800.1 | 800.9 | 802.6 |
| 10° | 789.1 | 787.4 | 784.1 | 789.1 | 795.0 | 807.7 | 818.7 | 827.1 | 829.6 | 830.5 | 833.9 |
| 12.5° | 820.4 | 819.5 | 813.6 | 811.1 | 814.5 | 828.8 | 849.1 | 860.9 | 863.4 | 864.2 | 867.6 |
| 15° | 844.0 | 841.5 | 836.4 | 833.0 | 838.9 | 854.1 | 881.1 | 896.3 | 901.4 | 902.2 | 908.1 |
| 17.5° | 859.2 | 857.5 | 849.1 | 846.5 | 855.8 | 879.4 | 913.2 | 931.8 | 935.1 | 937.7 | 944.4 |
| 20° | 884.5 | 879.4 | 866.8 | 855.8 | 863.4 | 899.7 | 939.4 | 958.8 | 963.8 | 966.4 | 972.3 |
| 22.5° | 918.3 | 914.0 | 898.9 | 871.0 | 871.0 | 911.5 | 963.0 | 984.9 | 989.2 | 994.2 | 1001.0 |
| 25° | 976.5 | 973.1 | 943.6 | 896.3 | 884.5 | 923.3 | 984.9 | 1014.5 | 1018.7 | 1024.6 | 1034.7 |
| 27.5° | 1036.4 | 1032.2 | 999.3 | 936.0 | 908.1 | 945.3 | 1017.0 | 1052.5 | 1058.4 | 1065.1 | 1076.9 |
| 30° | 1113.2 | 1105.6 | 1072.7 | 999.3 | 954.6 | 980.7 | 1067.6 | 1112.4 | 1119.1 | 1127.6 | 1143.6 |
| 32.5° | 1285.4 | 1288.8 | 1228.9 | 1151.2 | 1072.7 | 1061.7 | 1146.1 | 1201.0 | 1211.1 | 1222.1 | 1244.0 |
| 35° | 1565.6 | 1552.1 | 1530.2 | 1450.8 | 1363.9 | 1277.8 | 1298.9 | 1358.0 | 1369.0 | 1372.3 | 1381.6 |
| 37.5° | 1744.5 | 1752.1 | 1769.8 | 1769.8 | 1704.9 | 1668.6 | 1608.6 | 1580.0 | 1582.5 | 1585.9 | 1578.3 |
| 40° | 1844.1 | 1860.2 | 1920.9 | 2002.8 | 2061.9 | 2094.8 | 2084.7 | 1950.5 | 1934.4 | 1913.3 | 1845.8 |
| 42.5° | 1915.9 | 1931.9 | 2035.7 | 2192.7 | 2339.5 | 2456.0 | 2520.2 | 2414.7 | 2402.8 | 2352.2 | 2271.2 |
| 45° | 1959.7 | 1972.4 | 2097.3 | 2320.1 | 2542.1 | 2740.4 | 2916.0 | 2878.9 | 2875.5 | 2832.4 | 2726.1 |
| 47.5° | 1951.3 | 1962.3 | 2092.3 | 2360.6 | 2651.8 | 2921.1 | 3192.8 | 3260.3 | 3263.7 | 3252.7 | 3187.8 |
| 50° | 1826.4 | 1852.6 | 1981.7 | 2271.2 | 2591.1 | 2991.1 | 3371.7 | 3548.1 | 3553.2 | 3563.3 | 3538.0 |
| 52.5° | 1715.0 | 1735.2 | 1850.9 | 2110.0 | 2417.2 | 2921.9 | 3478.9 | 3759.1 | 3802.2 | 3826.7 | 3873.9 |
| 55° | 1669.4 | 1681.2 | 1769.8 | 1990.1 | 2273.7 | 2737.1 | 3515.2 | 3911.9 | 3988.7 | 4035.1 | 4143.2 |
| 57.5° | 1661.0 | 1670.3 | 1738.6 | 1906.6 | 2178.3 | 2546.3 | 3503.4 | 4117.0 | 4238.5 | 4326.3 | 4535.6 |
| 60° | 1717.5 | 1726.0 | 1774.1 | 1915.0 | 2112.5 | 2407.1 | 3395.4 | 4387.1 | 4557.6 | 4793.9 | 5131.5 |
| 62.5° | 1759.7 | 1763.9 | 1823.0 | 2020.5 | 2185.1 | 2271.2 | 3120.2 | 4576.1 | 4879.1 | 5179.6 | 5681.7 |
| 64° | 1698.1 | 1689.7 | 1747.9 | 1965.7 | 2297.3 | 2212.9 | 2865.3 | 4566.8 | 4922.2 | 5255.5 | 5799.1 |
| 65° | 1607.8 | 1613.7 | 1666.0 | 1858.5 | 2277.9 | 2210.4 | 2698.2 | 4465.6 | 4834.4 | 5188.0 | 5744.2 |
| 67.5° | 1249.1 | 1271.9 | 1286.2 | 1462.6 | 1866.1 | 2282.2 | 2259.4 | 3820.7 | 4191.3 | 4528.9 | 5186.3 |
| 70° | 671.8 | 669.3 | 701.4 | 840.6 | 1298.1 | 1937.0 | 1938.6 | 2693.2 | 3103.4 | 3522.8 | 4176.9 |
| 72.5° | 247.3 | 259.9 | 285.3 | 384.0 | 674.3 | 1397.6 | 1776.6 | 1867.8 | 2050.9 | 2384.3 | 3085.6 |
| 75° | 141.8 | 143.5 | 148.5 | 180.6 | 324.9 | 771.4 | 1650.8 | 1652.5 | 1666.0 | 1720.9 | 2102.4 |
| 77.5° | 110.6 | 107.2 | 109.7 | 117.3 | 177.2 | 406.0 | 1324.2 | 1569.8 | 1568.1 | 1559.7 | 1615.4 |
| 80° | 82.7 | 86.1 | 91.2 | 91.2 | 109.7 | 217.7 | 752.8 | 1396.8 | 1444.1 | 1479.5 | 1499.8 |
| 82.5° | 66.7 | 69.2 | 81.9 | 81.9 | 80.2 | 123.2 | 355.3 | 1034.7 | 1183.3 | 1279.5 | 1428.9 |
| 85° | 43.0 | 45.6 | 69.2 | 68.4 | 65.0 | 72.6 | 185.7 | 346.9 | 373.9 | 455.8 | 648.2 |
| 87.5° | 11.8 | 14.3 | 32.1 | 27.9 | 33.8 | 27.0 | 69.2 | 105.5 | 130.0 | 146.9 | 184.8 |
| 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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CATALOG NUMBER: CEM-E03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 |
| 2.5° | 765.5 | 765.5 | 765.5 | 766.3 | 766.3 | 766.3 | 766.3 | 766.3 | 767.2 | 765.5 | 765.5 |
| 5° | 780.7 | 779.8 | 780.7 | 780.7 | 783.2 | 782.4 | 783.2 | 783.2 | 782.4 | 784.1 | 784.1 |
| 7.5° | 805.2 | 803.5 | 805.2 | 806.0 | 806.9 | 810.2 | 810.2 | 811.9 | 812.8 | 813.6 | 811.9 |
| 10° | 834.7 | 837.2 | 838.1 | 838.1 | 842.3 | 844.0 | 844.0 | 846.5 | 849.1 | 850.7 | 849.9 |
| 12.5° | 871.0 | 872.7 | 873.5 | 878.6 | 879.4 | 882.0 | 886.2 | 888.7 | 888.7 | 892.9 | 895.5 |
| 15° | 911.5 | 913.2 | 918.3 | 920.0 | 923.3 | 927.5 | 930.1 | 932.6 | 932.6 | 940.2 | 942.7 |
| 17.5° | 946.1 | 949.5 | 952.9 | 955.4 | 961.3 | 965.5 | 969.7 | 972.3 | 976.5 | 979.9 | 985.8 |
| 20° | 975.7 | 979.9 | 984.1 | 989.2 | 993.4 | 997.6 | 1002.7 | 1006.0 | 1011.1 | 1016.2 | 1022.1 |
| 22.5° | 1004.3 | 1009.4 | 1014.5 | 1018.7 | 1024.6 | 1028.8 | 1033.0 | 1039.0 | 1042.3 | 1047.4 | 1054.1 |
| 25° | 1035.6 | 1044.0 | 1049.1 | 1055.0 | 1060.9 | 1066.8 | 1071.9 | 1076.9 | 1082.0 | 1088.7 | 1095.5 |
| 27.5° | 1085.4 | 1089.6 | 1096.3 | 1099.7 | 1109.8 | 1116.6 | 1123.4 | 1124.2 | 1130.9 | 1143.6 | 1145.3 |
| 30° | 1150.4 | 1158.0 | 1162.2 | 1174.0 | 1175.7 | 1178.2 | 1189.2 | 1196.8 | 1205.2 | 1215.3 | 1219.6 |
| 32.5° | 1248.3 | 1255.0 | 1260.9 | 1264.3 | 1273.6 | 1288.8 | 1290.5 | 1297.2 | 1311.6 | 1314.1 | 1329.3 |
| 35° | 1391.7 | 1393.4 | 1402.7 | 1407.8 | 1419.6 | 1428.0 | 1432.3 | 1438.2 | 1445.8 | 1463.5 | 1467.7 |
| 37.5° | 1563.9 | 1578.3 | 1566.4 | 1554.6 | 1575.7 | 1573.2 | 1578.3 | 1571.5 | 1591.8 | 1592.6 | 1600.2 |
| 40° | 1831.5 | 1825.6 | 1800.2 | 1773.2 | 1760.6 | 1753.0 | 1737.8 | 1734.4 | 1745.4 | 1740.3 | 1742.8 |
| 42.5° | 2225.6 | 2169.9 | 2126.9 | 2094.8 | 2055.1 | 2012.1 | 1987.6 | 1950.5 | 1950.5 | 1939.5 | 1949.6 |
| 45° | 2689.0 | 2626.5 | 2546.3 | 2470.4 | 2421.4 | 2364.9 | 2306.6 | 2267.8 | 2228.1 | 2198.6 | 2224.8 |
| 47.5° | 3145.6 | 3103.4 | 3013.9 | 2943.8 | 2845.9 | 2761.5 | 2669.5 | 2589.4 | 2542.1 | 2507.5 | 2512.6 |
| 50° | 3542.2 | 3503.4 | 3457.0 | 3362.5 | 3288.2 | 3202.1 | 3105.0 | 2999.5 | 2897.4 | 2856.1 | 2820.6 |
| 52.5° | 3876.5 | 3862.9 | 3823.3 | 3779.4 | 3718.6 | 3626.6 | 3565.0 | 3464.6 | 3343.9 | 3257.0 | 3219.8 |
| 55° | 4171.8 | 4195.5 | 4216.6 | 4207.3 | 4185.4 | 4173.5 | 4097.6 | 4029.2 | 3947.3 | 3922.0 | 3845.2 |
| 57.5° | 4636.9 | 4705.2 | 4786.3 | 4831.0 | 4874.9 | 4975.3 | 4999.8 | 4973.6 | 4983.8 | 4977.0 | 4936.5 |
| 60° | 5295.2 | 5460.6 | 5602.4 | 5715.5 | 5836.2 | 5953.5 | 6091.9 | 6183.1 | 6221.1 | 6367.9 | 6365.4 |
| 62.5° | 5859.8 | 6080.1 | 6261.6 | 6397.5 | 6538.4 | 6644.7 | 6734.2 | 6825.4 | 6936.8 | 7043.1 | 7177.3 |
| 64° | 6013.4 | 6186.5 | 6334.2 | 6455.7 | 6557.0 | 6643.9 | 6712.3 | 6795.8 | 6887.8 | 7025.4 | 7173.9 |
| 65° | 5934.1 | 6129.1 | 6236.2 | 6346.0 | 6437.1 | 6504.6 | 6574.7 | 6650.6 | 6767.1 | 6876.0 | 7034.7 |
| 67.5° | 5394.8 | 5542.5 | 5697.8 | 5799.9 | 5887.7 | 5927.3 | 5993.2 | 6056.5 | 6121.5 | 6231.2 | 6429.5 |
| 70° | 4549.1 | 4714.5 | 4938.2 | 5034.4 | 5125.6 | 5139.9 | 5201.5 | 5248.8 | 5291.8 | 5437.8 | 5535.7 |
| 72.5° | 3413.1 | 3733.8 | 3953.3 | 4122.1 | 4140.6 | 4212.4 | 4237.7 | 4257.1 | 4306.0 | 4333.0 | 4362.6 |
| 75° | 2352.2 | 2640.8 | 2827.4 | 2891.5 | 2970.0 | 2932.0 | 2888.1 | 2733.7 | 2734.5 | 2603.7 | 2455.2 |
| 77.5° | 1655.1 | 1699.8 | 1701.5 | 1702.3 | 1598.5 | 1537.8 | 1468.5 | 1379.9 | 1345.3 | 1276.1 | 1181.6 |
| 80° | 1500.6 | 1495.6 | 1464.3 | 1426.3 | 1369.8 | 1288.8 | 1205.2 | 1147.0 | 1101.4 | 1049.9 | 982.4 |
| 82.5° | 1448.3 | 1460.1 | 1437.3 | 1405.2 | 1372.3 | 1292.2 | 1195.9 | 1104.8 | 1029.7 | 947.8 | 865.1 |
| 85° | 705.6 | 725.8 | 791.7 | 834.7 | 844.8 | 795.0 | 726.7 | 644.0 | 564.6 | 475.2 | 433.8 |
| 87.5° | 211.8 | 227.0 | 232.1 | 246.4 | 264.2 | 240.5 | 211.8 | 189.9 | 152.8 | 132.5 | 103.8 |
| 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):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 |
| 2.5° | 765.5 | 766.3 | 766.3 | 765.5 | 766.3 | 766.3 | 767.2 | 766.3 | 766.3 | 766.3 | 765.5 |
| 5° | 782.4 | 785.8 | 784.9 | 784.9 | 786.6 | 786.6 | 785.8 | 787.4 | 786.6 | 786.6 | 785.8 |
| 7.5° | 814.5 | 814.5 | 817.0 | 817.8 | 816.1 | 816.1 | 817.8 | 818.7 | 820.4 | 821.2 | 821.2 |
| 10° | 851.6 | 855.8 | 855.8 | 856.7 | 857.5 | 860.0 | 860.9 | 860.9 | 862.6 | 862.6 | 864.2 |
| 12.5° | 897.2 | 898.9 | 900.5 | 904.8 | 905.6 | 905.6 | 909.8 | 909.0 | 909.0 | 913.2 | 914.0 |
| 15° | 946.1 | 948.6 | 952.9 | 954.6 | 956.2 | 960.5 | 963.0 | 965.5 | 964.7 | 970.6 | 972.3 |
| 17.5° | 989.2 | 991.7 | 996.8 | 1001.0 | 1003.5 | 1006.0 | 1007.7 | 1011.1 | 1016.2 | 1020.4 | 1021.2 |
| 20° | 1023.8 | 1027.1 | 1033.0 | 1038.1 | 1042.3 | 1044.9 | 1051.6 | 1055.0 | 1056.7 | 1060.1 | 1064.3 |
| 22.5° | 1057.5 | 1063.4 | 1069.3 | 1071.0 | 1080.3 | 1082.8 | 1087.9 | 1093.0 | 1096.3 | 1103.9 | 1106.5 |
| 25° | 1099.7 | 1104.8 | 1112.4 | 1117.4 | 1123.4 | 1128.4 | 1133.5 | 1137.7 | 1145.3 | 1152.0 | 1155.4 |
| 27.5° | 1155.4 | 1159.6 | 1165.6 | 1174.8 | 1179.9 | 1183.3 | 1192.6 | 1201.0 | 1204.4 | 1211.1 | 1217.0 |
| 30° | 1228.9 | 1233.1 | 1241.5 | 1250.8 | 1255.0 | 1266.0 | 1272.7 | 1278.6 | 1285.4 | 1294.7 | 1303.1 |
| 32.5° | 1336.0 | 1341.1 | 1348.7 | 1360.5 | 1360.5 | 1368.1 | 1382.5 | 1395.1 | 1400.2 | 1411.2 | 1417.1 |
| 35° | 1477.0 | 1477.8 | 1486.3 | 1504.0 | 1509.1 | 1507.4 | 1520.9 | 1532.7 | 1536.1 | 1552.9 | 1563.9 |
| 37.5° | 1613.7 | 1616.2 | 1626.4 | 1633.1 | 1642.4 | 1649.2 | 1658.4 | 1676.2 | 1676.2 | 1700.6 | 1710.8 |
| 40° | 1755.5 | 1768.2 | 1769.8 | 1771.5 | 1786.7 | 1813.7 | 1823.0 | 1840.7 | 1856.8 | 1880.4 | 1891.4 |
| 42.5° | 1961.4 | 1974.9 | 1991.0 | 2009.5 | 2032.3 | 2047.5 | 2065.2 | 2090.6 | 2097.3 | 2126.9 | 2134.5 |
| 45° | 2243.3 | 2259.4 | 2302.4 | 2306.6 | 2347.1 | 2367.4 | 2396.9 | 2430.7 | 2439.1 | 2458.5 | 2448.4 |
| 47.5° | 2524.4 | 2542.9 | 2590.2 | 2639.2 | 2676.3 | 2711.7 | 2720.2 | 2734.5 | 2747.2 | 2735.4 | 2738.8 |
| 50° | 2835.8 | 2862.8 | 2907.5 | 2950.6 | 2978.4 | 3019.0 | 3019.0 | 3022.3 | 3010.5 | 2991.1 | 2959.9 |
| 52.5° | 3200.4 | 3204.6 | 3233.3 | 3267.1 | 3292.4 | 3300.8 | 3300.8 | 3281.4 | 3252.7 | 3221.5 | 3160.7 |
| 55° | 3808.9 | 3762.5 | 3771.0 | 3771.0 | 3752.4 | 3737.2 | 3725.4 | 3678.1 | 3621.6 | 3565.0 | 3509.3 |
| 57.5° | 4905.3 | 4949.2 | 4818.3 | 4782.9 | 4784.6 | 4669.0 | 4621.7 | 4540.7 | 4479.9 | 4378.6 | 4293.4 |
| 60° | 6469.2 | 6438.8 | 6395.8 | 6355.3 | 6358.6 | 6205.9 | 6098.7 | 5978.0 | 5872.5 | 5649.7 | 5555.1 |
| 62.5° | 7297.1 | 7405.2 | 7466.8 | 7435.6 | 7363.8 | 7268.4 | 7092.9 | 6909.8 | 6724.1 | 6535.0 | 6365.4 |
| 64° | 7327.5 | 7470.2 | 7591.7 | 7642.3 | 7608.6 | 7487.9 | 7309.0 | 7081.1 | 6860.0 | 6637.1 | 6432.1 |
| 65° | 7180.7 | 7361.3 | 7518.3 | 7589.2 | 7590.9 | 7484.5 | 7305.6 | 7076.0 | 6839.7 | 6581.4 | 6367.9 |
| 67.5° | 6571.3 | 6778.9 | 6933.4 | 7052.4 | 7154.5 | 7100.5 | 6976.4 | 6732.5 | 6508.9 | 6216.0 | 5982.2 |
| 70° | 5657.3 | 5785.6 | 5959.4 | 6133.3 | 6215.1 | 6227.8 | 6181.4 | 6058.2 | 5796.5 | 5558.5 | 5257.2 |
| 72.5° | 4360.1 | 4559.2 | 4457.1 | 4564.3 | 4632.7 | 4566.0 | 4574.4 | 4364.3 | 4279.9 | 4070.6 | 3858.7 |
| 75° | 2309.2 | 2315.9 | 2272.0 | 1953.0 | 1913.3 | 1767.3 | 1929.4 | 1639.9 | 1541.1 | 1450.0 | 1332.7 |
| 77.5° | 1071.0 | 932.6 | 803.5 | 671.0 | 548.6 | 480.2 | 374.7 | 330.0 | 297.1 | 261.6 | 269.2 |
| 80° | 895.5 | 789.1 | 676.0 | 560.4 | 470.9 | 380.6 | 305.5 | 237.2 | 189.9 | 159.5 | 145.2 |
| 82.5° | 792.5 | 698.8 | 620.3 | 549.4 | 485.3 | 396.7 | 325.8 | 251.5 | 193.3 | 146.0 | 113.1 |
| 85° | 357.9 | 280.2 | 254.9 | 200.9 | 170.5 | 145.2 | 115.6 | 95.4 | 78.5 | 66.7 | 52.3 |
| 87.5° | 83.6 | 57.4 | 49.0 | 46.4 | 40.5 | 38.0 | 32.1 | 33.8 | 27.9 | 21.9 | 22.8 |
| 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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CATALOG NUMBER: CEM-E03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 |
| 2.5° | 765.5 | 765.5 | 766.3 | 766.3 | 767.2 | 768.9 | 771.4 | 768.9 | 768.9 | 768.9 | 769.7 |
| 5° | 787.4 | 788.3 | 787.4 | 787.4 | 789.1 | 791.7 | 792.5 | 787.4 | 784.9 | 782.4 | 779.0 |
| 7.5° | 819.5 | 822.9 | 822.0 | 822.0 | 823.7 | 823.7 | 822.0 | 814.5 | 806.9 | 795.0 | 784.9 |
| 10° | 864.2 | 865.9 | 865.9 | 865.9 | 868.5 | 870.2 | 862.6 | 845.7 | 825.4 | 804.3 | 785.8 |
| 12.5° | 917.4 | 916.6 | 919.1 | 921.6 | 920.0 | 920.0 | 905.6 | 879.4 | 846.5 | 811.9 | 779.8 |
| 15° | 973.1 | 974.0 | 974.0 | 978.2 | 979.0 | 975.7 | 952.9 | 912.4 | 861.7 | 809.4 | 757.9 |
| 17.5° | 1025.4 | 1027.1 | 1028.0 | 1031.4 | 1035.6 | 1026.3 | 993.4 | 938.5 | 864.2 | 785.8 | 716.5 |
| 20° | 1069.3 | 1071.9 | 1074.4 | 1076.9 | 1081.2 | 1074.4 | 1030.5 | 951.2 | 850.7 | 747.8 | 668.4 |
| 22.5° | 1109.0 | 1113.2 | 1114.9 | 1119.1 | 1125.9 | 1117.4 | 1064.3 | 951.2 | 820.4 | 706.4 | 614.4 |
| 25° | 1157.1 | 1162.2 | 1170.6 | 1172.3 | 1184.1 | 1174.8 | 1091.3 | 944.4 | 785.8 | 654.1 | 556.2 |
| 27.5° | 1220.4 | 1225.5 | 1233.1 | 1237.3 | 1251.6 | 1239.0 | 1111.5 | 926.7 | 742.7 | 597.5 | 499.6 |
| 30° | 1304.0 | 1309.0 | 1318.3 | 1322.5 | 1348.7 | 1306.5 | 1125.0 | 899.7 | 692.9 | 531.7 | 434.7 |
| 32.5° | 1420.4 | 1433.9 | 1433.1 | 1444.1 | 1467.7 | 1381.6 | 1130.9 | 861.7 | 630.5 | 465.0 | 373.9 |
| 35° | 1573.2 | 1582.5 | 1590.9 | 1606.1 | 1617.1 | 1461.8 | 1126.7 | 811.9 | 552.8 | 395.8 | 320.7 |
| 37.5° | 1720.1 | 1736.1 | 1742.0 | 1752.1 | 1749.6 | 1515.8 | 1109.8 | 734.3 | 468.4 | 334.2 | 284.4 |
| 40° | 1903.2 | 1912.5 | 1931.1 | 1940.3 | 1895.6 | 1567.3 | 1070.2 | 630.5 | 384.0 | 293.7 | 260.8 |
| 42.5° | 2147.1 | 2158.9 | 2149.6 | 2147.1 | 2061.0 | 1596.0 | 994.2 | 526.7 | 321.6 | 264.2 | 241.4 |
| 45° | 2443.4 | 2448.4 | 2420.6 | 2402.0 | 2251.8 | 1593.5 | 883.7 | 428.7 | 278.5 | 242.2 | 224.5 |
| 47.5° | 2710.9 | 2700.8 | 2664.5 | 2636.6 | 2417.2 | 1534.4 | 745.2 | 353.6 | 255.7 | 224.5 | 211.0 |
| 50° | 2932.0 | 2887.3 | 2848.5 | 2813.0 | 2549.7 | 1444.1 | 612.7 | 297.9 | 233.8 | 210.2 | 197.5 |
| 52.5° | 3132.1 | 3071.3 | 3025.7 | 2965.8 | 2670.4 | 1325.1 | 507.2 | 259.9 | 211.8 | 195.8 | 183.1 |
| 55° | 3428.3 | 3357.4 | 3299.2 | 3240.1 | 2883.9 | 1232.2 | 438.9 | 231.3 | 189.9 | 180.6 | 168.8 |
| 57.5° | 4278.2 | 4088.3 | 4036.8 | 3983.6 | 3456.1 | 1212.0 | 399.2 | 208.5 | 173.0 | 166.3 | 158.7 |
| 60° | 5440.4 | 5317.1 | 5234.4 | 5104.5 | 4406.5 | 1277.0 | 369.7 | 191.6 | 161.2 | 157.0 | 150.2 |
| 62.5° | 6198.3 | 6049.7 | 5913.0 | 5780.5 | 4964.4 | 1275.3 | 333.4 | 180.6 | 154.5 | 153.6 | 143.5 |
| 64° | 6246.4 | 6080.1 | 5927.3 | 5784.7 | 4982.1 | 1191.7 | 300.5 | 173.0 | 154.5 | 154.5 | 139.3 |
| 65° | 6167.0 | 5999.9 | 5842.1 | 5693.6 | 4880.8 | 1127.6 | 278.5 | 169.6 | 157.0 | 156.1 | 136.7 |
| 67.5° | 5762.8 | 5594.8 | 5417.6 | 5258.1 | 4452.1 | 883.7 | 220.3 | 163.7 | 170.5 | 164.6 | 134.2 |
| 70° | 5047.9 | 4857.2 | 4723.8 | 4609.0 | 3821.6 | 617.0 | 174.7 | 167.1 | 186.5 | 174.7 | 140.9 |
| 72.5° | 3658.7 | 3503.4 | 3501.7 | 3371.7 | 2893.2 | 391.6 | 140.9 | 166.3 | 185.7 | 173.0 | 146.0 |
| 75° | 1421.3 | 1218.7 | 1212.0 | 1257.5 | 1230.5 | 211.8 | 121.5 | 146.9 | 151.9 | 144.3 | 129.1 |
| 77.5° | 243.1 | 238.8 | 236.3 | 249.0 | 274.3 | 117.3 | 111.4 | 124.9 | 113.1 | 102.1 | 107.2 |
| 80° | 135.0 | 129.1 | 127.4 | 127.4 | 119.8 | 96.2 | 98.7 | 99.6 | 81.9 | 76.0 | 88.6 |
| 82.5° | 93.7 | 86.9 | 83.6 | 81.0 | 78.5 | 86.1 | 87.8 | 78.5 | 59.1 | 58.2 | 82.7 |
| 85° | 45.6 | 43.0 | 42.2 | 42.2 | 48.1 | 81.0 | 72.6 | 60.8 | 39.7 | 39.7 | 89.5 |
| 87.5° | 19.4 | 19.4 | 16.9 | 16.9 | 26.2 | 51.5 | 32.9 | 25.3 | 16.0 | 18.6 | 36.3 |
| 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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CATALOG NUMBER: CEM-E03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 762.1 | 762.1 | 762.1 |
| 2.5° | 768.9 | 770.6 | 769.7 |
| 5° | 774.8 | 774.8 | 773.1 |
| 7.5° | 773.9 | 770.6 | 768.9 |
| 10° | 768.9 | 759.6 | 758.7 |
| 12.5° | 755.4 | 740.2 | 736.0 |
| 15° | 716.5 | 696.3 | 691.2 |
| 17.5° | 667.6 | 644.0 | 637.2 |
| 20° | 611.9 | 584.9 | 575.6 |
| 22.5° | 557.9 | 526.7 | 517.4 |
| 25° | 498.8 | 467.6 | 462.5 |
| 27.5° | 433.8 | 404.3 | 396.7 |
| 30° | 373.9 | 348.6 | 342.7 |
| 32.5° | 319.9 | 302.1 | 302.1 |
| 35° | 284.4 | 269.2 | 269.2 |
| 37.5° | 256.6 | 249.8 | 249.0 |
| 40° | 238.0 | 232.1 | 231.3 |
| 42.5° | 223.7 | 216.9 | 216.1 |
| 45° | 208.5 | 201.7 | 201.7 |
| 47.5° | 194.1 | 186.5 | 187.4 |
| 50° | 179.8 | 173.9 | 173.9 |
| 52.5° | 168.0 | 162.0 | 161.2 |
| 55° | 157.0 | 151.1 | 150.2 |
| 57.5° | 146.9 | 140.1 | 139.3 |
| 60° | 136.7 | 130.0 | 128.3 |
| 62.5° | 128.3 | 120.7 | 119.0 |
| 64° | 123.2 | 115.6 | 113.9 |
| 65° | 120.7 | 112.3 | 111.4 |
| 67.5° | 118.2 | 107.2 | 106.3 |
| 70° | 127.4 | 105.5 | 101.3 |
| 72.5° | 128.3 | 103.0 | 97.9 |
| 75° | 121.5 | 97.9 | 93.7 |
| 77.5° | 107.2 | 89.5 | 84.4 |
| 80° | 103.0 | 70.1 | 61.6 |
| 82.5° | 94.5 | 57.4 | 48.1 |
| 85° | 77.6 | 37.1 | 34.6 |
| 87.5° | 44.7 | 24.5 | 17.7 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)