

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: P150238

Luminaire Tested: **TMU-E06-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P150238
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-E06-LED-E-U-SL2-8030
Description: TALON MEDIUM LED AREA LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15470.8 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 150.5
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

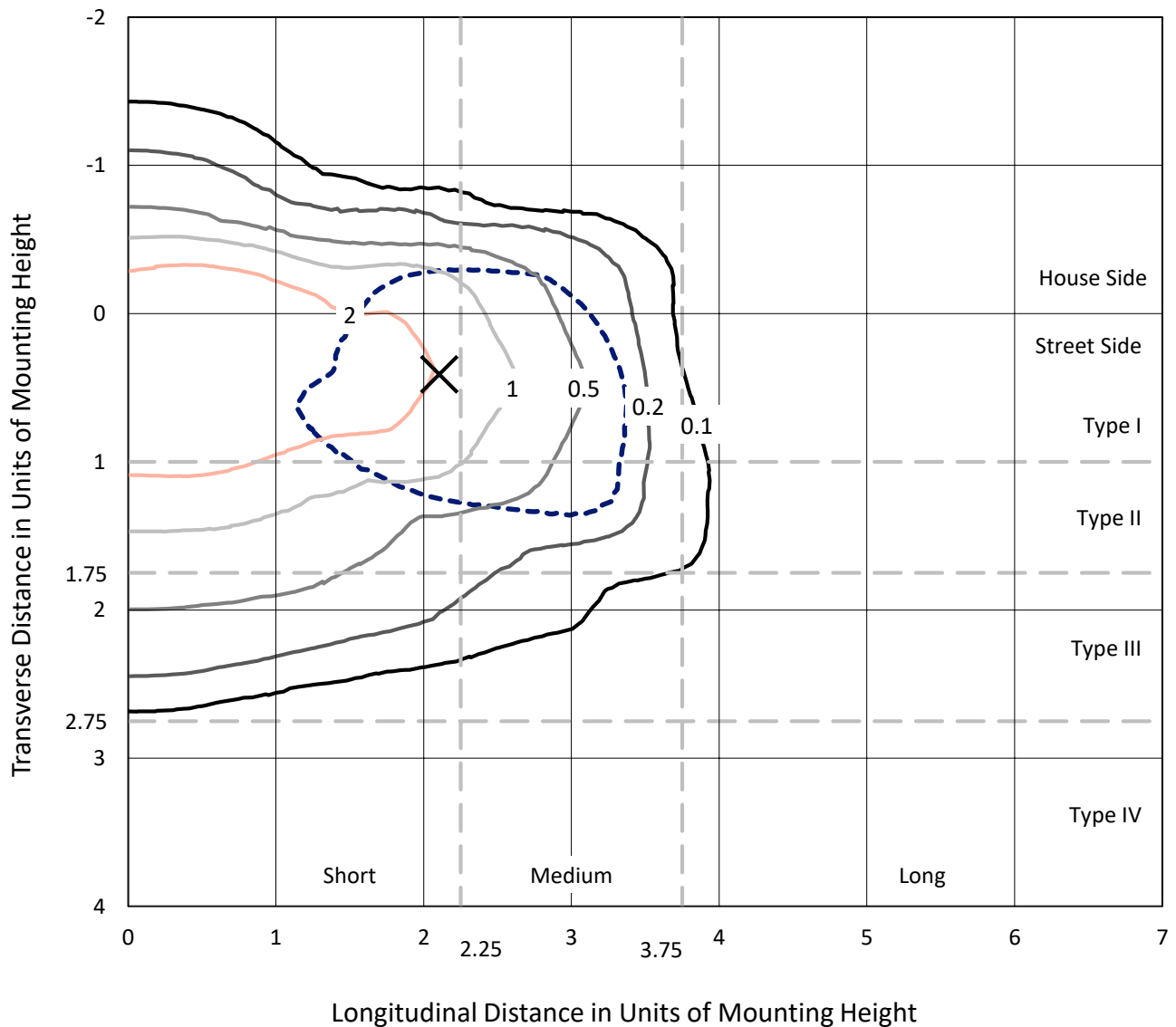


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Iso-Footcandle Lines of Horizontal Illumination

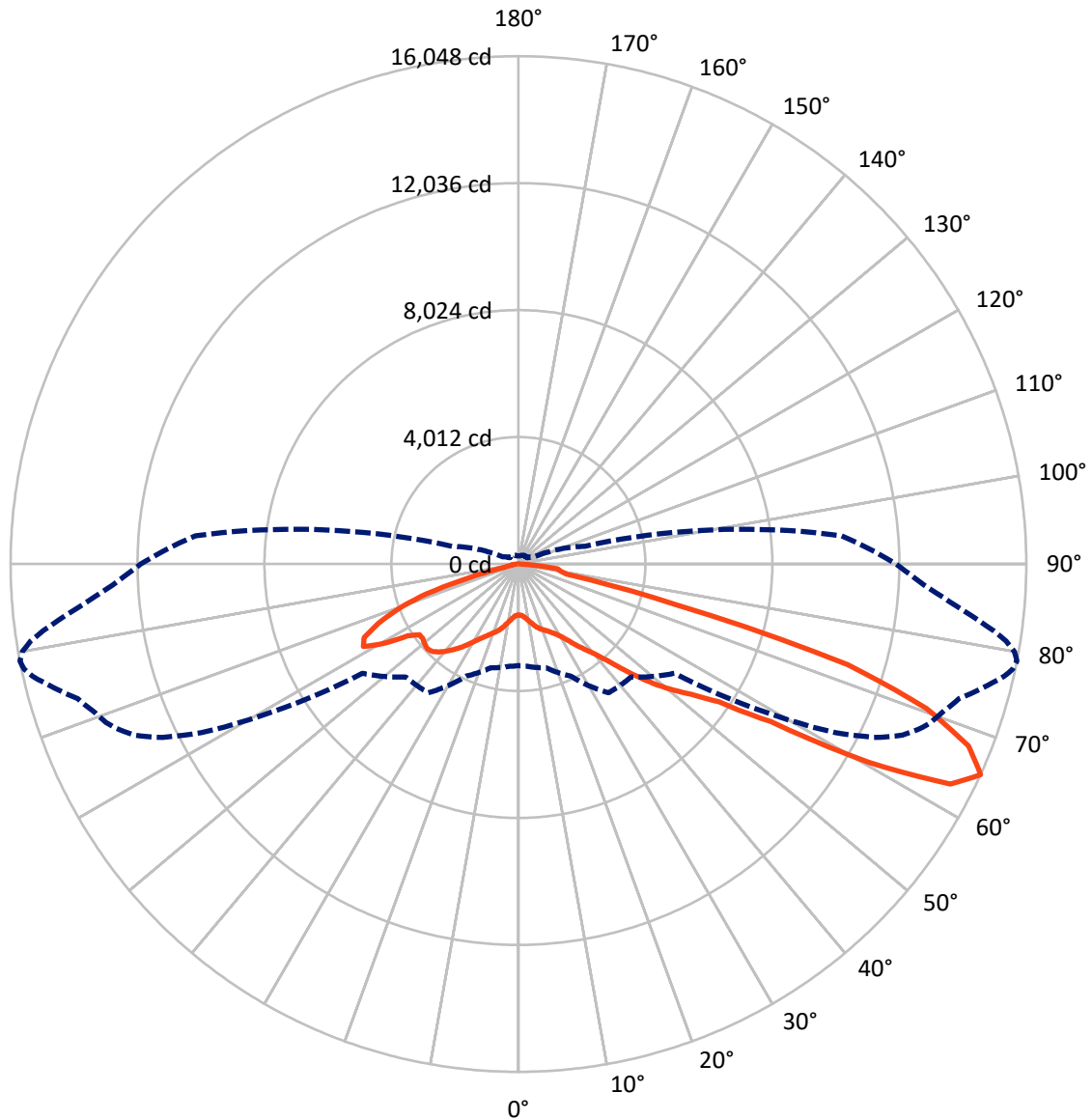
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3657.3 | 0.0 | 3657.3 |
| | % Fixture | 23.6 | 0.0 | 23.6 |
| Street Side | Lumens | 11813.6 | 0.0 | 11813.6 |
| | % Fixture | 76.4 | 0.0 | 76.4 |
| Total | Lumens | 15470.8 | 0.0 | 15470.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 160.1 | 1.0 |
| 10°-20° | 523.4 | 3.4 |
| 20°-30° | 904.1 | 5.8 |
| 30°-40° | 1496.5 | 9.7 |
| 40°-50° | 2538.0 | 16.4 |
| 50°-60° | 3372.2 | 21.8 |
| 60°-70° | 4356.1 | 28.2 |
| 70°-80° | 1826.9 | 11.8 |
| 80°-90° | 293.5 | 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° | 15470.8 | 100.0 |
| 0°-180° | 15470.8 | 100.0 |



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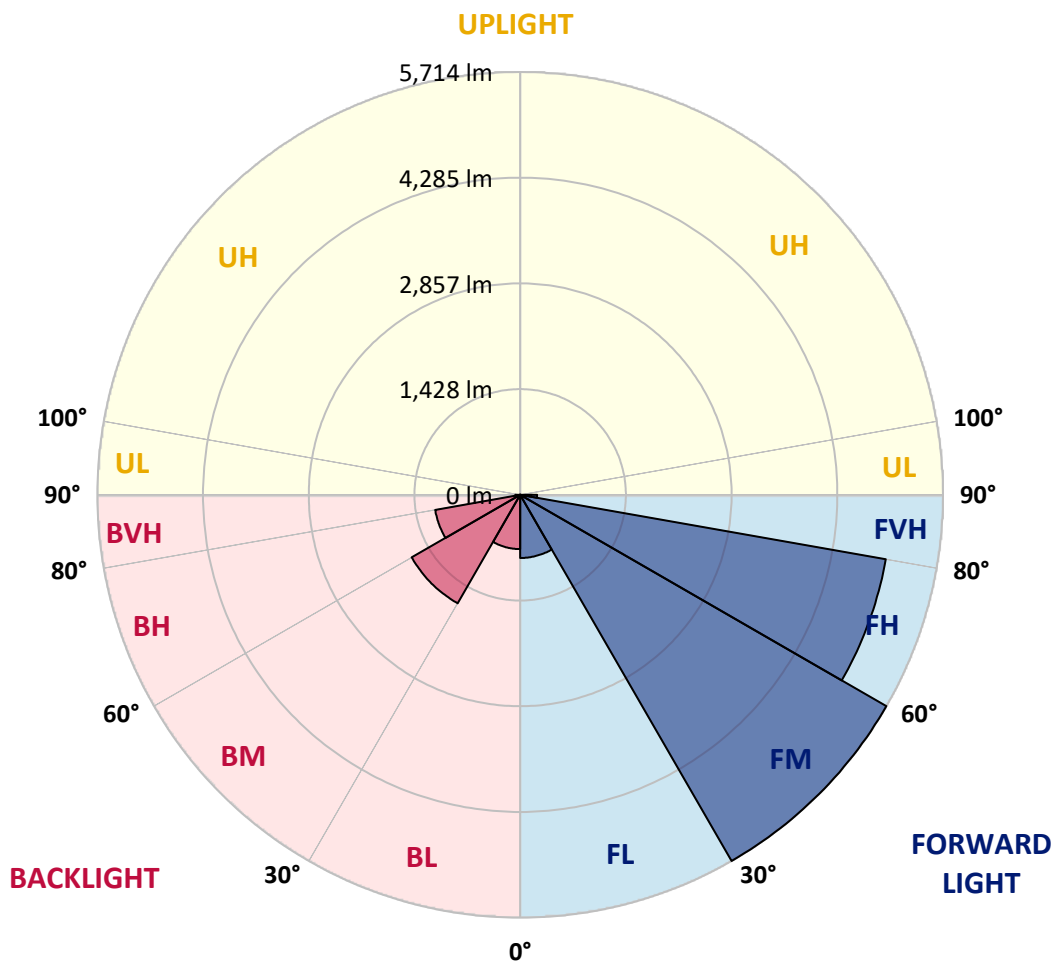
CATALOG NUMBER: TMU-E06-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 853.6 | 5.5 | | | |
| FM | (30°-60°) | 5713.8 | 36.9 | | | |
| FH | (60°-80°) | 5016.6 | 32.4 | | | G3/7500 |
| FVH | (80°-90°) | 229.5 | 1.5 | | | G3/500 |
| BL | (0°-30°) | 733.9 | 4.7 | B2/1000 | | |
| BM | (30°-60°) | 1692.9 | 10.9 | B2/2500 | | |
| BH | (60°-80°) | 1166.4 | 7.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 64.0 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 |
| 2.5° | 1605.3 | 1610.3 | 1607.0 | 1610.3 | 1613.7 | 1615.4 | 1618.8 | 1617.1 | 1617.1 | 1618.8 | 1615.4 |
| 5° | 1605.3 | 1605.3 | 1610.3 | 1618.8 | 1622.2 | 1632.3 | 1644.1 | 1642.4 | 1644.1 | 1642.4 | 1645.8 |
| 7.5° | 1639.0 | 1637.3 | 1642.4 | 1652.5 | 1655.9 | 1671.1 | 1691.4 | 1694.7 | 1698.1 | 1698.1 | 1703.2 |
| 10° | 1698.1 | 1696.4 | 1701.5 | 1706.5 | 1711.6 | 1723.4 | 1752.1 | 1763.9 | 1765.6 | 1767.3 | 1774.1 |
| 12.5° | 1772.4 | 1770.7 | 1763.9 | 1763.9 | 1762.3 | 1784.2 | 1823.0 | 1845.0 | 1848.3 | 1855.1 | 1860.2 |
| 15° | 1824.7 | 1819.6 | 1809.5 | 1802.8 | 1811.2 | 1846.7 | 1904.0 | 1929.4 | 1932.7 | 1937.8 | 1951.3 |
| 17.5° | 1875.3 | 1870.3 | 1848.3 | 1831.5 | 1843.3 | 1900.7 | 1978.3 | 2005.3 | 2012.1 | 2017.1 | 2032.3 |
| 20° | 1946.2 | 1942.9 | 1910.8 | 1870.3 | 1866.9 | 1941.2 | 2035.7 | 2071.2 | 2076.2 | 2083.0 | 2098.2 |
| 22.5° | 2054.3 | 2039.1 | 2001.9 | 1926.0 | 1888.9 | 1964.8 | 2076.2 | 2125.2 | 2131.9 | 2138.7 | 2158.9 |
| 25° | 2189.3 | 2182.6 | 2118.4 | 2001.9 | 1924.3 | 1988.4 | 2120.1 | 2180.9 | 2191.0 | 2199.4 | 2226.4 |
| 27.5° | 2329.4 | 2319.3 | 2250.1 | 2098.2 | 1986.8 | 2035.7 | 2189.3 | 2258.5 | 2272.0 | 2285.5 | 2310.8 |
| 30° | 2454.3 | 2450.9 | 2393.6 | 2228.1 | 2088.0 | 2125.2 | 2300.7 | 2385.1 | 2400.3 | 2417.2 | 2440.8 |
| 32.5° | 2748.0 | 2749.7 | 2690.6 | 2521.8 | 2332.8 | 2287.2 | 2461.1 | 2587.7 | 2594.4 | 2614.7 | 2656.9 |
| 35° | 3310.1 | 3316.9 | 3294.9 | 3161.6 | 2948.9 | 2761.5 | 2778.4 | 2903.3 | 2910.1 | 2927.0 | 2967.5 |
| 37.5° | 3686.6 | 3700.1 | 3767.6 | 3809.8 | 3701.7 | 3615.7 | 3401.3 | 3352.3 | 3357.4 | 3347.3 | 3338.8 |
| 40° | 3894.2 | 3914.4 | 4091.7 | 4311.1 | 4429.3 | 4431.0 | 4338.1 | 4122.1 | 4039.3 | 4015.7 | 3914.4 |
| 42.5° | 4012.3 | 4046.1 | 4297.6 | 4672.3 | 5011.6 | 5244.6 | 5302.0 | 5062.3 | 5001.5 | 4893.5 | 4699.3 |
| 45° | 4090.0 | 4130.5 | 4427.6 | 4940.7 | 5440.4 | 5837.0 | 6135.8 | 6029.5 | 5989.0 | 5923.1 | 5744.2 |
| 47.5° | 4076.5 | 4108.5 | 4417.4 | 5031.9 | 5664.9 | 6228.7 | 6758.7 | 6868.4 | 6819.4 | 6802.6 | 6681.0 |
| 50° | 3830.0 | 3858.7 | 4172.7 | 4805.7 | 5541.6 | 6377.2 | 7153.7 | 7464.3 | 7464.3 | 7496.3 | 7459.2 |
| 52.5° | 3566.7 | 3590.3 | 3875.6 | 4444.5 | 5143.3 | 6232.0 | 7373.1 | 7887.9 | 7955.5 | 8011.2 | 8098.9 |
| 55° | 3467.1 | 3495.8 | 3711.9 | 4198.0 | 4804.0 | 5816.8 | 7447.4 | 8205.3 | 8330.2 | 8424.7 | 8623.9 |
| 57.5° | 3514.4 | 3543.1 | 3696.7 | 4064.7 | 4604.8 | 5393.1 | 7450.8 | 8632.3 | 8873.7 | 9067.8 | 9471.3 |
| 60° | 3718.6 | 3745.6 | 3873.9 | 4187.9 | 4552.5 | 5148.3 | 7307.3 | 9312.6 | 9697.5 | 10062.1 | 10733.9 |
| 62.5° | 3624.1 | 3657.9 | 3845.2 | 4392.1 | 4942.4 | 4962.7 | 6789.1 | 9839.2 | 10458.7 | 10997.2 | 12065.7 |
| 65° | 3210.5 | 3246.0 | 3392.8 | 3904.3 | 4966.0 | 5043.7 | 6021.0 | 9849.4 | 10619.1 | 11346.6 | 12499.5 |
| 67.5° | 2437.4 | 2450.9 | 2567.4 | 2977.6 | 3971.8 | 5133.2 | 5231.1 | 8683.0 | 9415.6 | 10227.5 | 11417.5 |
| 70° | 1245.7 | 1269.4 | 1303.1 | 1644.1 | 2557.3 | 4241.9 | 4495.1 | 6399.1 | 7332.6 | 8171.5 | 9601.2 |
| 72.5° | 432.1 | 440.6 | 474.3 | 627.9 | 1245.7 | 2783.5 | 3934.7 | 4385.4 | 4949.2 | 5734.1 | 7390.0 |
| 75° | 259.9 | 259.9 | 271.8 | 317.3 | 568.8 | 1450.0 | 3500.9 | 3581.9 | 3657.9 | 3921.2 | 5004.9 |
| 77.5° | 205.9 | 209.3 | 209.3 | 217.7 | 315.7 | 744.4 | 2658.6 | 3330.4 | 3340.5 | 3365.8 | 3548.1 |
| 80° | 146.9 | 153.6 | 167.1 | 173.9 | 204.2 | 408.5 | 1492.2 | 2923.6 | 3122.8 | 3219.0 | 3352.3 |
| 82.5° | 109.7 | 116.5 | 141.8 | 150.2 | 158.7 | 227.9 | 670.1 | 2017.1 | 2380.1 | 2572.5 | 3041.7 |
| 85° | 49.0 | 57.4 | 96.2 | 106.3 | 111.4 | 121.5 | 314.0 | 573.9 | 660.0 | 741.0 | 977.3 |
| 87.5° | 8.4 | 8.4 | 15.2 | 21.9 | 32.1 | 30.4 | 69.2 | 97.9 | 99.6 | 116.5 | 130.0 |
| 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):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 |
| 2.5° | 1615.4 | 1615.4 | 1615.4 | 1613.7 | 1615.4 | 1615.4 | 1615.4 | 1615.4 | 1617.1 | 1617.1 | 1617.1 |
| 5° | 1650.8 | 1647.5 | 1649.2 | 1649.2 | 1649.2 | 1647.5 | 1650.8 | 1649.2 | 1650.8 | 1655.9 | 1654.2 |
| 7.5° | 1703.2 | 1706.5 | 1708.2 | 1709.9 | 1709.9 | 1709.9 | 1711.6 | 1715.0 | 1715.0 | 1720.1 | 1718.4 |
| 10° | 1780.8 | 1779.1 | 1780.8 | 1785.9 | 1790.9 | 1792.6 | 1797.7 | 1796.0 | 1799.4 | 1806.1 | 1812.9 |
| 12.5° | 1863.5 | 1866.9 | 1872.0 | 1877.0 | 1885.5 | 1887.2 | 1892.2 | 1893.9 | 1904.0 | 1904.0 | 1910.8 |
| 15° | 1956.4 | 1958.1 | 1968.2 | 1969.9 | 1980.0 | 1983.4 | 1991.8 | 1995.2 | 2007.0 | 2008.7 | 2015.5 |
| 17.5° | 2040.8 | 2044.1 | 2049.2 | 2054.3 | 2066.1 | 2071.2 | 2077.9 | 2084.7 | 2094.8 | 2098.2 | 2110.0 |
| 20° | 2108.3 | 2115.0 | 2116.7 | 2126.9 | 2137.0 | 2143.7 | 2150.5 | 2157.2 | 2167.4 | 2172.4 | 2184.2 |
| 22.5° | 2169.1 | 2175.8 | 2180.9 | 2189.3 | 2196.1 | 2206.2 | 2209.6 | 2221.4 | 2231.5 | 2240.0 | 2250.1 |
| 25° | 2234.9 | 2245.0 | 2250.1 | 2265.3 | 2270.3 | 2280.5 | 2288.9 | 2300.7 | 2314.2 | 2324.4 | 2337.9 |
| 27.5° | 2327.7 | 2342.9 | 2349.7 | 2366.6 | 2378.4 | 2383.4 | 2396.9 | 2413.8 | 2425.6 | 2437.4 | 2450.9 |
| 30° | 2456.0 | 2484.7 | 2489.8 | 2501.6 | 2523.5 | 2526.9 | 2543.8 | 2557.3 | 2575.9 | 2587.7 | 2599.5 |
| 32.5° | 2655.2 | 2690.6 | 2694.0 | 2707.5 | 2726.1 | 2732.8 | 2746.3 | 2761.5 | 2790.2 | 2795.3 | 2813.9 |
| 35° | 2960.7 | 2975.9 | 2989.4 | 2994.5 | 3009.7 | 3018.1 | 3028.2 | 3045.1 | 3073.8 | 3070.4 | 3090.7 |
| 37.5° | 3327.0 | 3332.1 | 3333.8 | 3316.9 | 3320.3 | 3305.1 | 3323.6 | 3327.0 | 3337.1 | 3345.6 | 3365.8 |
| 40° | 3850.3 | 3798.0 | 3791.2 | 3750.7 | 3710.2 | 3688.2 | 3679.8 | 3646.0 | 3654.5 | 3657.9 | 3674.7 |
| 42.5° | 4614.9 | 4513.7 | 4429.3 | 4371.9 | 4272.3 | 4223.3 | 4157.5 | 4105.2 | 4064.7 | 4079.9 | 4086.6 |
| 45° | 5583.8 | 5438.7 | 5303.6 | 5128.1 | 4998.1 | 4905.3 | 4788.8 | 4684.1 | 4636.9 | 4614.9 | 4642.0 |
| 47.5° | 6551.1 | 6422.8 | 6264.1 | 6083.5 | 5877.6 | 5723.9 | 5529.8 | 5359.3 | 5241.2 | 5197.3 | 5220.9 |
| 50° | 7386.6 | 7268.4 | 7148.6 | 7042.3 | 6802.6 | 6635.5 | 6370.4 | 6149.3 | 5963.6 | 5869.1 | 5843.8 |
| 52.5° | 8080.4 | 8017.9 | 7953.8 | 7864.3 | 7671.9 | 7504.8 | 7293.8 | 7076.0 | 6829.6 | 6637.1 | 6571.3 |
| 55° | 8699.9 | 8737.0 | 8704.9 | 8706.6 | 8630.7 | 8524.3 | 8345.4 | 8183.3 | 8011.2 | 7793.4 | 7702.3 |
| 57.5° | 9602.9 | 9822.4 | 9866.3 | 9976.0 | 10030.0 | 10087.4 | 10138.0 | 10041.8 | 9997.9 | 9835.9 | 9837.6 |
| 60° | 11025.9 | 11346.6 | 11625.1 | 11878.3 | 12086.0 | 12288.5 | 12501.2 | 12595.7 | 12700.4 | 12749.3 | 12916.4 |
| 62.5° | 12540.0 | 12845.5 | 13260.8 | 13600.1 | 13790.8 | 14054.1 | 14285.4 | 14435.6 | 14619.6 | 14815.4 | 15070.3 |
| 65° | 12914.7 | 13282.7 | 13544.4 | 13770.6 | 13959.6 | 14099.7 | 14226.3 | 14405.2 | 14558.8 | 14869.4 | 15169.9 |
| 67.5° | 11954.3 | 12248.0 | 12487.7 | 12710.5 | 12857.4 | 12975.5 | 13088.6 | 13206.8 | 13470.1 | 13752.0 | 14054.1 |
| 70° | 10261.2 | 10615.7 | 11012.4 | 11301.0 | 11373.6 | 11474.9 | 11582.9 | 11736.5 | 11868.2 | 12163.6 | 12393.2 |
| 72.5° | 8244.1 | 8753.9 | 9089.8 | 9489.8 | 9575.9 | 9729.5 | 9790.3 | 9910.1 | 9933.8 | 10094.1 | 10154.9 |
| 75° | 5745.9 | 6329.9 | 6667.5 | 6961.2 | 7018.6 | 6934.2 | 6968.0 | 6544.3 | 6436.3 | 6348.5 | 6277.6 |
| 77.5° | 3792.9 | 3949.9 | 4003.9 | 3956.6 | 3730.4 | 3553.2 | 3364.1 | 3178.5 | 3198.7 | 3048.5 | 2785.2 |
| 80° | 3372.6 | 3408.0 | 3359.1 | 3311.8 | 3181.8 | 2996.2 | 2825.7 | 2651.8 | 2565.7 | 2474.6 | 2339.5 |
| 82.5° | 3281.4 | 3418.2 | 3433.4 | 3376.0 | 3273.0 | 3070.4 | 2864.5 | 2606.2 | 2386.8 | 2184.2 | 1978.3 |
| 85° | 1097.2 | 1335.2 | 1441.5 | 1541.1 | 1571.5 | 1607.0 | 1485.4 | 1320.0 | 1120.8 | 987.5 | 773.1 |
| 87.5° | 140.1 | 173.9 | 200.9 | 172.2 | 200.9 | 236.3 | 170.5 | 190.7 | 192.4 | 119.8 | 89.5 |
| 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° | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 |
| 2.5° | 1618.8 | 1617.1 | 1617.1 | 1617.1 | 1615.4 | 1617.1 | 1617.1 | 1617.1 | 1617.1 | 1617.1 | 1615.4 |
| 5° | 1655.9 | 1655.9 | 1661.0 | 1662.7 | 1659.3 | 1657.6 | 1659.3 | 1661.0 | 1661.0 | 1659.3 | 1661.0 |
| 7.5° | 1725.1 | 1726.8 | 1730.2 | 1735.2 | 1731.9 | 1733.6 | 1735.2 | 1733.6 | 1738.6 | 1740.3 | 1738.6 |
| 10° | 1812.9 | 1816.3 | 1824.7 | 1826.4 | 1824.7 | 1831.5 | 1833.1 | 1829.8 | 1833.1 | 1833.1 | 1839.9 |
| 12.5° | 1914.2 | 1917.5 | 1927.7 | 1931.1 | 1934.4 | 1936.1 | 1941.2 | 1942.9 | 1947.9 | 1951.3 | 1956.4 |
| 15° | 2023.9 | 2027.3 | 2034.0 | 2045.8 | 2049.2 | 2052.6 | 2056.0 | 2066.1 | 2067.8 | 2074.5 | 2079.6 |
| 17.5° | 2116.7 | 2121.8 | 2131.9 | 2140.4 | 2145.4 | 2153.9 | 2157.2 | 2169.1 | 2172.4 | 2182.6 | 2191.0 |
| 20° | 2191.0 | 2199.4 | 2207.9 | 2218.0 | 2226.4 | 2236.6 | 2240.0 | 2251.8 | 2258.5 | 2263.6 | 2273.7 |
| 22.5° | 2258.5 | 2268.6 | 2280.5 | 2292.3 | 2299.0 | 2312.5 | 2317.6 | 2322.7 | 2337.9 | 2344.6 | 2354.7 |
| 25° | 2346.3 | 2356.4 | 2369.9 | 2385.1 | 2391.9 | 2408.8 | 2413.8 | 2422.3 | 2439.1 | 2445.9 | 2461.1 |
| 27.5° | 2466.1 | 2479.6 | 2489.8 | 2505.0 | 2513.4 | 2525.2 | 2537.0 | 2547.2 | 2562.4 | 2572.5 | 2589.4 |
| 30° | 2616.4 | 2626.5 | 2643.4 | 2655.2 | 2668.7 | 2685.6 | 2699.1 | 2709.2 | 2717.7 | 2732.8 | 2751.4 |
| 32.5° | 2837.5 | 2839.2 | 2844.2 | 2872.9 | 2886.4 | 2900.0 | 2918.5 | 2927.0 | 2940.5 | 2955.7 | 2975.9 |
| 35° | 3112.6 | 3127.8 | 3139.6 | 3153.2 | 3168.3 | 3183.5 | 3190.3 | 3215.6 | 3227.4 | 3247.7 | 3267.9 |
| 37.5° | 3386.1 | 3387.8 | 3414.8 | 3423.2 | 3436.7 | 3451.9 | 3475.6 | 3500.9 | 3531.3 | 3551.5 | 3583.6 |
| 40° | 3679.8 | 3693.3 | 3727.1 | 3743.9 | 3760.8 | 3798.0 | 3816.5 | 3857.0 | 3907.7 | 3936.4 | 3990.4 |
| 42.5° | 4105.2 | 4125.4 | 4186.2 | 4213.2 | 4253.7 | 4314.5 | 4353.3 | 4409.0 | 4429.3 | 4498.5 | 4523.8 |
| 45° | 4662.2 | 4724.7 | 4812.4 | 4869.8 | 4942.4 | 5008.2 | 5042.0 | 5067.3 | 5097.7 | 5151.7 | 5145.0 |
| 47.5° | 5264.8 | 5345.8 | 5443.7 | 5561.9 | 5609.2 | 5686.8 | 5730.7 | 5779.6 | 5752.6 | 5739.1 | 5725.6 |
| 50° | 5882.6 | 5977.1 | 6107.1 | 6213.5 | 6286.0 | 6333.3 | 6370.4 | 6363.7 | 6306.3 | 6275.9 | 6191.5 |
| 52.5° | 6569.6 | 6625.3 | 6748.6 | 6839.7 | 6883.6 | 6893.7 | 6885.3 | 6834.6 | 6780.6 | 6684.4 | 6584.8 |
| 55° | 7622.9 | 7597.6 | 7646.6 | 7688.8 | 7675.3 | 7722.5 | 7601.0 | 7553.7 | 7420.4 | 7295.5 | 7162.1 |
| 57.5° | 9763.3 | 9797.0 | 9523.6 | 9400.4 | 9378.4 | 9422.3 | 9207.9 | 9180.9 | 8858.5 | 8818.0 | 8593.5 |
| 60° | 12892.8 | 13058.2 | 12843.9 | 12724.0 | 12399.9 | 12293.6 | 12053.9 | 11954.3 | 11645.4 | 11395.6 | 11079.9 |
| 62.5° | 15245.9 | 15396.1 | 15485.5 | 15315.1 | 15126.0 | 14847.5 | 14484.6 | 14082.8 | 13755.4 | 13372.2 | 13038.0 |
| 65° | 15458.5 | 15762.4 | 15968.3 | 16047.6 | 15914.3 | 15608.8 | 15161.5 | 14655.1 | 14153.7 | 13672.7 | 13250.7 |
| 67.5° | 14464.3 | 14736.1 | 15055.1 | 15340.4 | 15357.3 | 15158.1 | 14776.6 | 14261.8 | 13682.8 | 13088.6 | 12594.0 |
| 70° | 12756.1 | 13097.1 | 13375.6 | 13676.0 | 13885.3 | 13770.6 | 13579.8 | 13107.2 | 12506.3 | 12043.8 | 11474.9 |
| 72.5° | 10374.3 | 10517.8 | 10585.3 | 10880.7 | 10884.1 | 10674.8 | 10539.8 | 10278.1 | 9793.7 | 9466.2 | 9032.4 |
| 75° | 6058.2 | 5742.5 | 5406.6 | 5114.6 | 4876.6 | 4777.0 | 4334.7 | 4260.5 | 3963.4 | 3779.4 | 3509.3 |
| 77.5° | 2498.2 | 2216.3 | 1853.4 | 1551.3 | 1252.5 | 1117.4 | 921.6 | 835.6 | 724.1 | 675.2 | 643.1 |
| 80° | 2142.0 | 1875.3 | 1601.9 | 1340.3 | 1107.3 | 874.4 | 680.3 | 528.3 | 415.2 | 352.8 | 327.5 |
| 82.5° | 1748.7 | 1588.4 | 1397.6 | 1255.9 | 1073.6 | 899.7 | 759.6 | 589.1 | 440.6 | 324.1 | 248.1 |
| 85° | 631.3 | 518.2 | 416.9 | 383.2 | 305.5 | 251.5 | 211.0 | 180.6 | 148.5 | 118.2 | 104.7 |
| 87.5° | 70.9 | 67.5 | 38.8 | 37.1 | 42.2 | 30.4 | 35.4 | 32.1 | 27.0 | 23.6 | 25.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P150238

CATALOG NUMBER: TMU-E06-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0° | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 | 1610.3 |
| 2.5° | 1615.4 | 1615.4 | 1617.1 | 1617.1 | 1618.8 | 1620.5 | 1623.8 | 1622.2 | 1622.2 | 1623.8 | 1623.8 |
| 5° | 1661.0 | 1666.0 | 1664.4 | 1664.4 | 1664.4 | 1666.0 | 1667.7 | 1661.0 | 1654.2 | 1647.5 | 1644.1 |
| 7.5° | 1740.3 | 1743.7 | 1747.1 | 1743.7 | 1747.1 | 1745.4 | 1742.0 | 1723.4 | 1701.5 | 1674.5 | 1655.9 |
| 10° | 1843.3 | 1843.3 | 1846.7 | 1845.0 | 1851.7 | 1846.7 | 1836.5 | 1794.3 | 1747.1 | 1689.7 | 1647.5 |
| 12.5° | 1954.7 | 1966.5 | 1961.4 | 1963.1 | 1976.6 | 1963.1 | 1939.5 | 1877.0 | 1792.6 | 1699.8 | 1625.5 |
| 15° | 2086.3 | 2091.4 | 2094.8 | 2089.7 | 2098.2 | 2086.3 | 2044.1 | 1944.6 | 1821.3 | 1691.4 | 1581.6 |
| 17.5° | 2194.4 | 2196.1 | 2197.8 | 2201.1 | 2212.9 | 2199.4 | 2126.9 | 1991.8 | 1828.1 | 1652.5 | 1507.4 |
| 20° | 2278.8 | 2287.2 | 2294.0 | 2294.0 | 2310.8 | 2290.6 | 2194.4 | 2015.5 | 1806.1 | 1588.4 | 1412.8 |
| 22.5° | 2366.6 | 2373.3 | 2381.7 | 2383.4 | 2405.4 | 2385.1 | 2250.1 | 2010.4 | 1748.7 | 1497.2 | 1303.1 |
| 25° | 2474.6 | 2481.3 | 2488.1 | 2496.5 | 2526.9 | 2498.2 | 2305.8 | 1990.1 | 1669.4 | 1389.2 | 1185.0 |
| 27.5° | 2599.5 | 2614.7 | 2619.7 | 2633.3 | 2668.7 | 2624.8 | 2353.0 | 1959.7 | 1581.6 | 1264.3 | 1060.1 |
| 30° | 2766.6 | 2785.2 | 2791.9 | 2810.5 | 2859.4 | 2763.2 | 2380.1 | 1907.4 | 1470.2 | 1137.7 | 926.7 |
| 32.5° | 2991.1 | 3016.4 | 3036.7 | 3056.9 | 3112.6 | 2901.6 | 2383.4 | 1831.5 | 1340.3 | 995.9 | 798.4 |
| 35° | 3284.8 | 3323.6 | 3338.8 | 3352.3 | 3404.7 | 3051.9 | 2368.2 | 1718.4 | 1181.6 | 850.7 | 697.1 |
| 37.5° | 3614.0 | 3652.8 | 3662.9 | 3669.7 | 3679.8 | 3180.2 | 2331.1 | 1546.2 | 1002.7 | 724.1 | 616.1 |
| 40° | 4019.1 | 4052.8 | 4066.3 | 4056.2 | 4002.2 | 3279.7 | 2248.4 | 1345.3 | 828.8 | 638.1 | 565.5 |
| 42.5° | 4513.7 | 4564.3 | 4569.4 | 4523.8 | 4344.9 | 3335.5 | 2083.0 | 1109.0 | 692.1 | 575.6 | 526.7 |
| 45° | 5126.4 | 5123.0 | 5094.3 | 5062.3 | 4717.9 | 3313.5 | 1851.7 | 903.1 | 606.0 | 526.7 | 491.2 |
| 47.5° | 5676.7 | 5619.3 | 5575.4 | 5480.9 | 5047.1 | 3185.2 | 1552.9 | 747.8 | 553.7 | 489.5 | 460.8 |
| 50° | 6127.4 | 6022.7 | 5929.9 | 5826.9 | 5291.8 | 2957.3 | 1255.9 | 634.7 | 504.7 | 457.4 | 432.1 |
| 52.5° | 6483.5 | 6356.9 | 6248.9 | 6147.6 | 5528.1 | 2704.1 | 1029.7 | 552.0 | 457.4 | 425.4 | 400.1 |
| 55° | 7040.6 | 6914.0 | 6741.8 | 6630.4 | 5889.4 | 2471.2 | 882.8 | 486.1 | 411.9 | 391.6 | 366.3 |
| 57.5° | 8450.0 | 8338.6 | 8132.7 | 7844.1 | 6817.8 | 2383.4 | 800.1 | 435.5 | 374.7 | 362.9 | 342.7 |
| 60° | 10911.1 | 10730.5 | 10462.1 | 10168.4 | 8704.9 | 2442.5 | 734.3 | 400.1 | 349.4 | 339.3 | 324.1 |
| 62.5° | 12767.9 | 12450.6 | 12146.7 | 11875.0 | 10214.0 | 2440.8 | 648.2 | 373.0 | 330.8 | 325.8 | 310.6 |
| 65° | 12843.9 | 12521.4 | 12215.9 | 11930.7 | 10247.7 | 2172.4 | 546.9 | 349.4 | 327.5 | 325.8 | 300.5 |
| 67.5° | 12161.9 | 11812.5 | 11517.1 | 11157.6 | 9486.5 | 1698.1 | 438.9 | 334.2 | 341.0 | 337.6 | 297.1 |
| 70° | 11047.8 | 10592.1 | 10349.0 | 9994.5 | 8348.8 | 1188.3 | 361.2 | 339.3 | 369.7 | 359.5 | 302.1 |
| 72.5° | 8671.2 | 8326.8 | 7957.1 | 7710.7 | 6535.9 | 751.2 | 303.8 | 342.7 | 381.5 | 364.6 | 315.7 |
| 75° | 3227.4 | 3320.3 | 3168.3 | 3114.3 | 3320.3 | 440.6 | 270.1 | 319.0 | 341.0 | 315.7 | 287.0 |
| 77.5° | 651.6 | 622.9 | 590.8 | 584.0 | 754.5 | 271.8 | 248.1 | 276.8 | 261.6 | 231.3 | 232.9 |
| 80° | 312.3 | 303.8 | 293.7 | 292.0 | 280.2 | 226.2 | 229.6 | 236.3 | 197.5 | 178.9 | 190.7 |
| 82.5° | 207.6 | 195.8 | 192.4 | 185.7 | 189.1 | 202.6 | 217.7 | 202.6 | 151.9 | 141.8 | 172.2 |
| 85° | 96.2 | 92.8 | 91.2 | 91.2 | 101.3 | 182.3 | 180.6 | 148.5 | 104.7 | 101.3 | 172.2 |
| 87.5° | 23.6 | 23.6 | 25.3 | 23.6 | 27.0 | 54.0 | 47.3 | 45.6 | 38.8 | 43.9 | 81.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P150238

CATALOG NUMBER: TMU-E06-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|--------|--------|--------|
| 0° | 1610.3 | 1610.3 | 1610.3 |
| 2.5° | 1622.2 | 1623.8 | 1622.2 |
| 5° | 1637.3 | 1637.3 | 1637.3 |
| 7.5° | 1637.3 | 1632.3 | 1630.6 |
| 10° | 1613.7 | 1598.5 | 1598.5 |
| 12.5° | 1573.2 | 1547.9 | 1544.5 |
| 15° | 1497.2 | 1463.5 | 1458.4 |
| 17.5° | 1401.0 | 1355.4 | 1347.0 |
| 20° | 1293.0 | 1235.6 | 1225.5 |
| 22.5° | 1174.8 | 1109.0 | 1103.9 |
| 25° | 1058.4 | 990.8 | 977.3 |
| 27.5° | 928.4 | 862.6 | 855.8 |
| 30° | 798.4 | 741.0 | 737.6 |
| 32.5° | 688.7 | 653.2 | 646.5 |
| 35° | 611.0 | 590.8 | 582.4 |
| 37.5° | 560.4 | 545.2 | 543.5 |
| 40° | 521.6 | 508.1 | 506.4 |
| 42.5° | 489.5 | 477.7 | 476.0 |
| 45° | 457.4 | 447.3 | 443.9 |
| 47.5° | 425.4 | 415.2 | 413.6 |
| 50° | 396.7 | 383.2 | 381.5 |
| 52.5° | 369.7 | 356.2 | 352.8 |
| 55° | 344.3 | 330.8 | 330.8 |
| 57.5° | 322.4 | 308.9 | 307.2 |
| 60° | 302.1 | 288.6 | 287.0 |
| 62.5° | 287.0 | 270.1 | 268.4 |
| 65° | 275.1 | 258.3 | 254.9 |
| 67.5° | 268.4 | 248.1 | 243.1 |
| 70° | 280.2 | 243.1 | 234.6 |
| 72.5° | 281.9 | 238.0 | 226.2 |
| 75° | 271.8 | 224.5 | 216.1 |
| 77.5° | 238.0 | 200.9 | 192.4 |
| 80° | 205.9 | 155.3 | 143.5 |
| 82.5° | 195.8 | 126.6 | 109.7 |
| 85° | 151.9 | 82.7 | 77.6 |
| 87.5° | 86.1 | 45.6 | 37.1 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)