

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: P145291

Luminaire Tested: **CNC-E04-LED-E1-GL3-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145291  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: CNC-E04-LED-E1-GL3-7050  
Description: CONCISE LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ GLARE CONTROL  
Light Source: (84) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12184.8 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

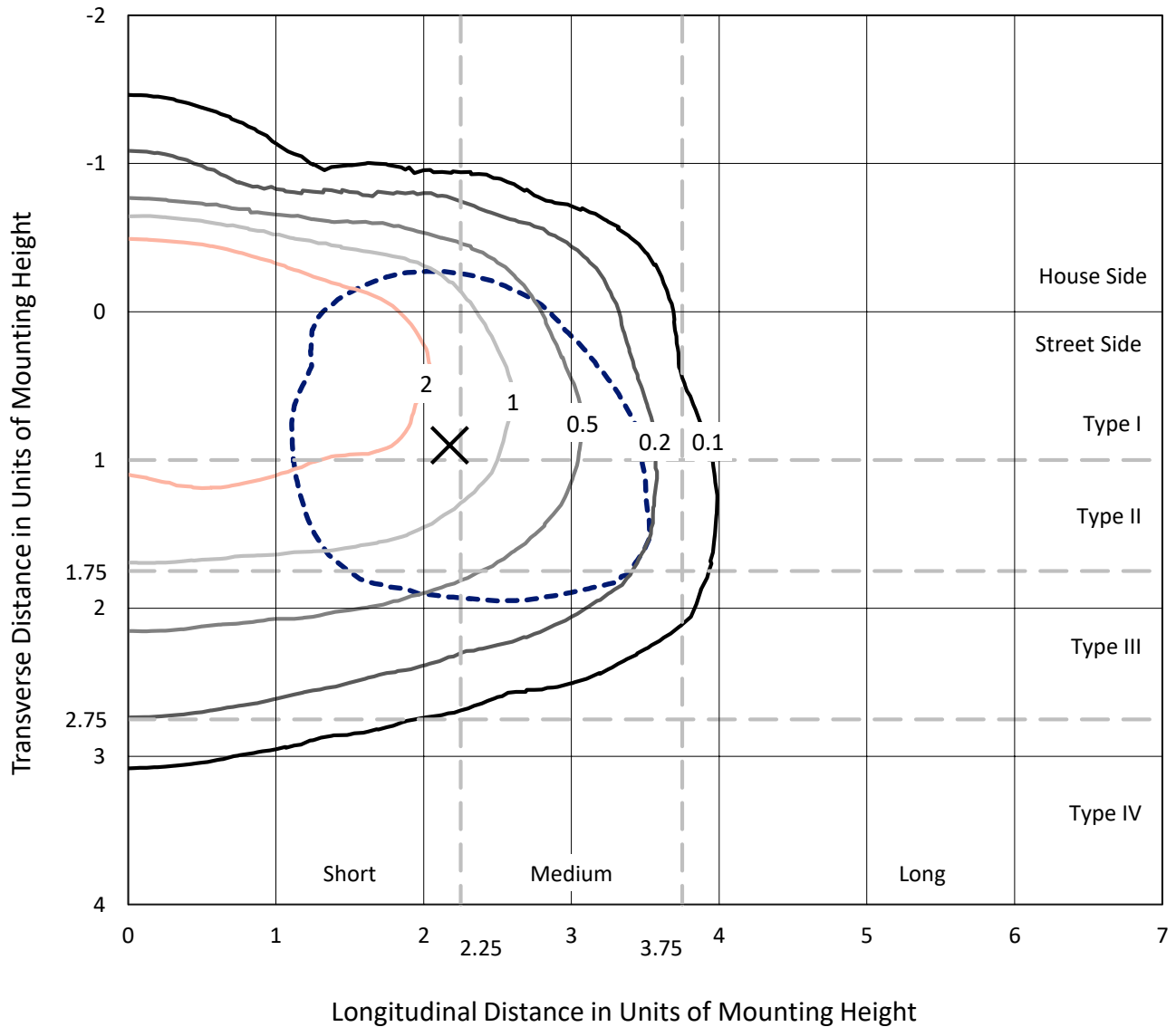
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P145291  
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### Iso-Footcandle Lines of Horizontal Illumination

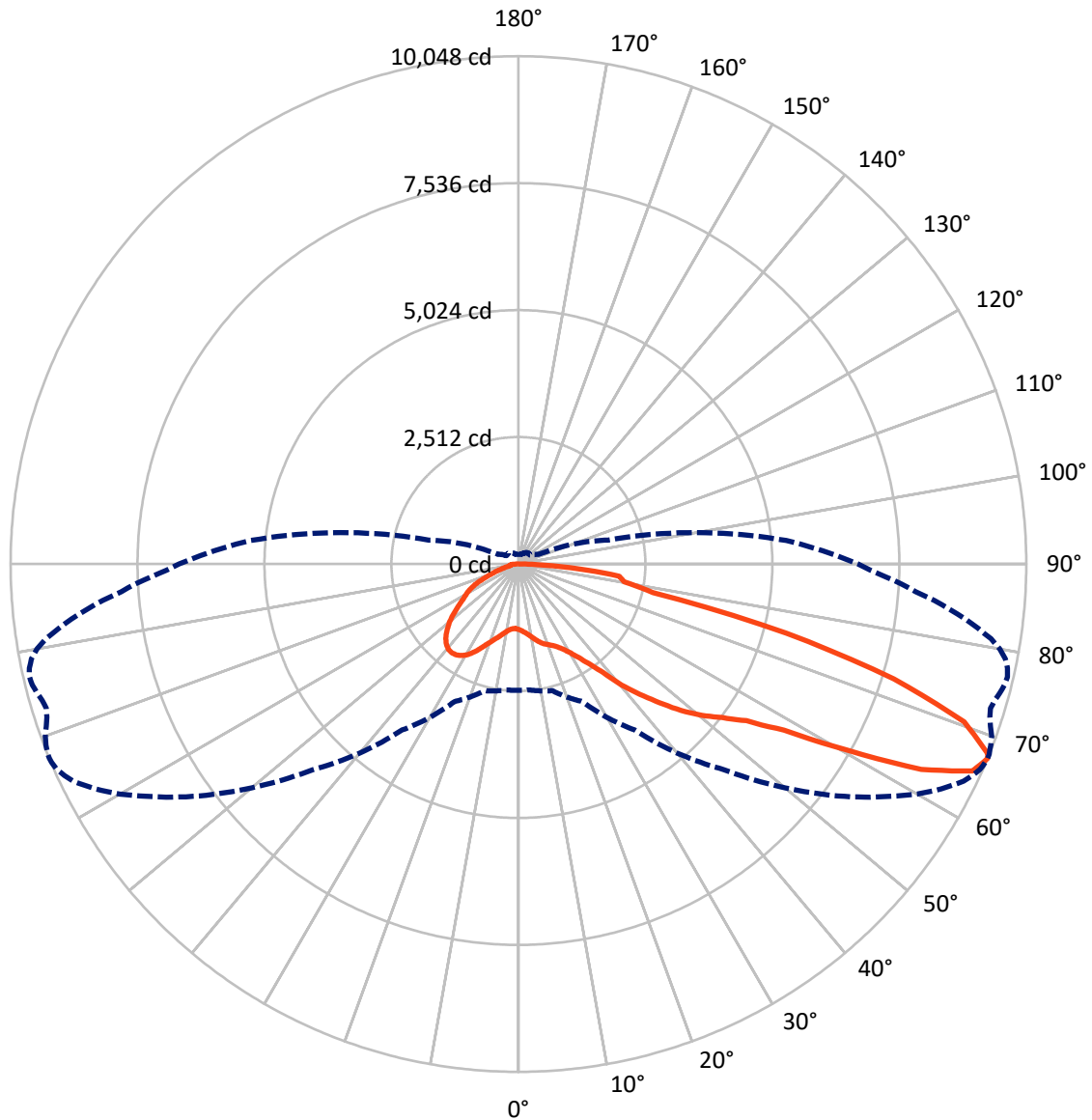
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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CATALOG NUMBER: CNC-E04-LED-E1-GL3-7050

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2885.3   | 0.0    | 2885.3  |
|                    | % Fixture | 23.7     | 0.0    | 23.7    |
| <b>Street Side</b> | Lumens    | 9299.5   | 0.0    | 9299.5  |
|                    | % Fixture | 76.3     | 0.0    | 76.3    |
| <b>Total</b>       | Lumens    | 12184.8  | 0.0    | 12184.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 129.4   | 1.1       |
| 10°-20°   | 443.0   | 3.6       |
| 20°-30°   | 788.6   | 6.5       |
| 30°-40°   | 1148.8  | 9.4       |
| 40°-50°   | 1770.0  | 14.5      |
| 50°-60°   | 2592.2  | 21.3      |
| 60°-70°   | 3442.2  | 28.3      |
| 70°-80°   | 1622.6  | 13.3      |
| 80°-90°   | 248.0   | 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°    | 12184.8 | 100.0     |
| 0°-180°   | 12184.8 | 100.0     |



REPORT NUMBER: P145291

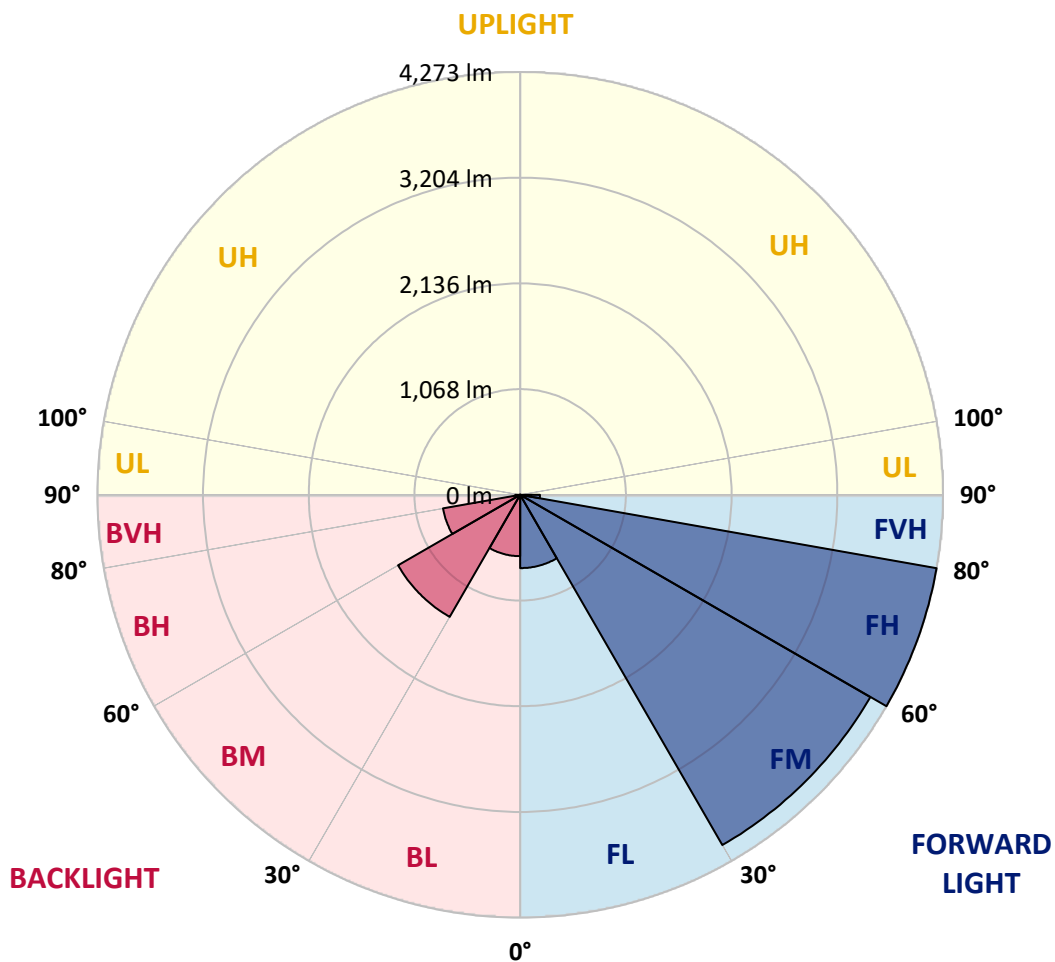
CATALOG NUMBER: CNC-E04-LED-E1-GL3-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 740.7  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 4086.2 | 33.5      |                         |      |         |
| FH   | (60°-80°)   | 4272.7 | 35.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 199.9  | 1.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 620.3  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1424.8 | 11.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 792.1  | 6.5       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 48.2   | 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 III Short





REPORT NUMBER: P145291

CATALOG NUMBER: CNC-E04-LED-E1-GL3-7050

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 |
| 2.5°  | 1361.0 | 1355.3 | 1356.1 | 1358.6 | 1350.4 | 1346.3 | 1337.2 | 1331.5 | 1330.7 | 1329.8 | 1326.5 |
| 5°    | 1440.7 | 1434.9 | 1437.4 | 1430.8 | 1415.2 | 1404.5 | 1385.7 | 1375.8 | 1374.2 | 1372.5 | 1368.4 |
| 7.5°  | 1523.6 | 1516.2 | 1508.0 | 1500.6 | 1483.3 | 1466.1 | 1441.5 | 1426.7 | 1425.1 | 1422.6 | 1420.1 |
| 10°   | 1622.1 | 1611.4 | 1604.8 | 1581.8 | 1552.3 | 1528.5 | 1503.9 | 1488.3 | 1487.4 | 1485.0 | 1480.1 |
| 12.5° | 1732.9 | 1721.4 | 1709.1 | 1678.7 | 1632.7 | 1597.4 | 1568.7 | 1559.7 | 1552.3 | 1553.1 | 1548.2 |
| 15°   | 1842.9 | 1830.6 | 1814.2 | 1775.6 | 1714.8 | 1662.3 | 1625.4 | 1612.2 | 1613.0 | 1608.9 | 1611.4 |
| 17.5° | 1935.6 | 1925.0 | 1901.2 | 1851.9 | 1781.3 | 1709.1 | 1662.3 | 1656.5 | 1658.2 | 1657.4 | 1659.8 |
| 20°   | 1996.4 | 1989.8 | 1953.7 | 1894.6 | 1815.0 | 1735.3 | 1687.7 | 1687.7 | 1688.6 | 1691.8 | 1697.6 |
| 22.5° | 2033.3 | 2023.5 | 1975.9 | 1893.0 | 1814.2 | 1747.7 | 1710.7 | 1718.9 | 1723.9 | 1726.3 | 1735.3 |
| 25°   | 2053.9 | 2041.5 | 1976.7 | 1866.7 | 1786.2 | 1756.7 | 1745.2 | 1765.7 | 1773.9 | 1778.0 | 1792.8 |
| 27.5° | 2053.9 | 2039.1 | 1966.0 | 1833.9 | 1754.2 | 1783.8 | 1810.9 | 1846.2 | 1851.9 | 1864.2 | 1881.5 |
| 30°   | 2030.9 | 2019.4 | 1949.6 | 1809.2 | 1746.0 | 1834.7 | 1916.8 | 1957.0 | 1970.9 | 1984.9 | 2007.1 |
| 32.5° | 2006.2 | 1996.4 | 1941.4 | 1822.4 | 1792.0 | 1941.4 | 2078.5 | 2133.5 | 2141.7 | 2153.2 | 2176.2 |
| 35°   | 2004.6 | 2001.3 | 1977.5 | 1906.1 | 1930.7 | 2136.8 | 2322.3 | 2360.0 | 2383.0 | 2388.8 | 2398.6 |
| 37.5° | 2021.8 | 2028.4 | 2048.9 | 2041.5 | 2130.2 | 2427.4 | 2641.6 | 2717.1 | 2735.2 | 2725.3 | 2734.4 |
| 40°   | 2062.1 | 2078.5 | 2154.8 | 2249.2 | 2434.7 | 2778.7 | 3076.7 | 3163.7 | 3183.4 | 3177.6 | 3175.2 |
| 42.5° | 2189.3 | 2211.5 | 2323.9 | 2525.9 | 2751.6 | 3142.3 | 3480.5 | 3574.1 | 3580.7 | 3584.0 | 3562.6 |
| 45°   | 2388.8 | 2401.1 | 2550.5 | 2808.2 | 3094.7 | 3533.9 | 3883.6 | 3987.9 | 3983.8 | 3967.3 | 3951.7 |
| 47.5° | 2615.3 | 2640.8 | 2819.7 | 3131.7 | 3449.4 | 3895.9 | 4291.6 | 4393.4 | 4402.4 | 4387.6 | 4358.9 |
| 50°   | 2821.4 | 2841.1 | 3043.0 | 3413.2 | 3762.1 | 4197.2 | 4635.5 | 4738.1 | 4736.5 | 4744.7 | 4752.9 |
| 52.5° | 2983.9 | 3002.0 | 3194.1 | 3601.2 | 3992.0 | 4450.0 | 4894.9 | 5021.3 | 5041.1 | 5054.2 | 5070.6 |
| 55°   | 3067.6 | 3086.5 | 3263.8 | 3679.2 | 4131.5 | 4697.1 | 5194.6 | 5376.0 | 5409.6 | 5439.2 | 5466.3 |
| 57.5° | 3069.3 | 3093.9 | 3256.4 | 3673.5 | 4203.7 | 4917.9 | 5591.0 | 5916.9 | 5964.5 | 6040.1 | 6132.8 |
| 60°   | 3019.2 | 3053.7 | 3199.8 | 3620.1 | 4286.7 | 5197.8 | 6244.5 | 6868.3 | 6961.9 | 7094.1 | 7213.1 |
| 62.5° | 2888.7 | 2923.2 | 3053.7 | 3484.7 | 4383.5 | 5556.6 | 7188.5 | 8102.9 | 8302.4 | 8448.5 | 8684.1 |
| 65°   | 2682.7 | 2715.5 | 2825.5 | 3260.6 | 4306.4 | 5839.8 | 7892.0 | 8988.7 | 9192.3 | 9375.3 | 9652.0 |
| 67°   | 2498.8 | 2502.1 | 2594.8 | 3003.6 | 4005.9 | 5751.9 | 8033.2 | 9106.9 | 9294.9 | 9480.4 | 9801.4 |
| 67.5° | 2433.9 | 2452.0 | 2524.2 | 2918.2 | 3891.8 | 5687.1 | 7977.4 | 9042.9 | 9225.1 | 9422.9 | 9750.5 |
| 70°   | 1967.7 | 1972.6 | 2042.4 | 2328.0 | 3088.2 | 4715.2 | 7165.5 | 8226.1 | 8350.9 | 8640.6 | 8962.4 |
| 72.5° | 1200.1 | 1191.9 | 1214.1 | 1425.9 | 2032.5 | 3265.5 | 5737.2 | 6772.3 | 6943.0 | 7190.1 | 7407.7 |
| 75°   | 660.8  | 700.2  | 727.3  | 874.2  | 1141.9 | 1920.0 | 3906.6 | 4899.9 | 5150.2 | 5297.2 | 5340.7 |
| 77.5° | 403.9  | 400.6  | 412.9  | 563.9  | 936.6  | 1313.4 | 2158.1 | 2874.7 | 3014.3 | 3056.2 | 2894.4 |
| 80°   | 192.1  | 199.5  | 197.0  | 232.3  | 453.9  | 1108.2 | 1508.8 | 1846.2 | 1916.8 | 1957.0 | 2009.5 |
| 82.5° | 105.1  | 109.2  | 124.0  | 138.7  | 179.0  | 476.9  | 1301.9 | 1702.5 | 1750.1 | 1819.1 | 1896.2 |
| 85°   | 65.7   | 69.0   | 95.2   | 100.1  | 110.0  | 146.9  | 542.6  | 994.9  | 1035.1 | 1172.2 | 1215.7 |
| 87.5° | 27.1   | 29.6   | 51.7   | 46.8   | 55.8   | 51.7   | 164.2  | 252.8  | 268.4  | 285.7  | 316.9  |
| 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: P145291

CATALOG NUMBER: CNC-E04-LED-E1-GL3-7050

**CANDELA DISTRIBUTION (continued):**

|       | 65°    | 66°    | 67°     | 67.5°   | 68°     | 69°     | 70°    | 71°    | 72°    | 73°    | 74°    |
|-------|--------|--------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 1296.2 | 1296.2 | 1296.2  | 1296.2  | 1296.2  | 1296.2  | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 |
| 2.5°  | 1327.4 | 1326.5 | 1323.3  | 1322.4  | 1324.1  | 1324.1  | 1322.4 | 1320.0 | 1319.2 | 1318.3 | 1316.7 |
| 5°    | 1366.8 | 1365.1 | 1362.7  | 1361.0  | 1360.2  | 1360.2  | 1357.7 | 1355.3 | 1352.8 | 1349.5 | 1348.7 |
| 7.5°  | 1413.6 | 1413.6 | 1412.7  | 1410.3  | 1407.8  | 1404.5  | 1402.1 | 1399.6 | 1397.1 | 1395.5 | 1393.0 |
| 10°   | 1475.1 | 1478.4 | 1472.7  | 1471.0  | 1470.2  | 1465.3  | 1464.5 | 1462.0 | 1460.4 | 1456.2 | 1456.2 |
| 12.5° | 1548.2 | 1544.9 | 1544.1  | 1540.8  | 1540.8  | 1538.3  | 1537.5 | 1536.7 | 1535.1 | 1531.8 | 1530.9 |
| 15°   | 1608.9 | 1608.9 | 1608.1  | 1606.5  | 1608.1  | 1606.5  | 1604.0 | 1605.6 | 1603.2 | 1604.0 | 1601.5 |
| 17.5° | 1658.2 | 1661.5 | 1660.6  | 1661.5  | 1660.6  | 1660.6  | 1662.3 | 1662.3 | 1663.9 | 1660.6 | 1661.5 |
| 20°   | 1699.2 | 1704.2 | 1706.6  | 1705.0  | 1706.6  | 1707.4  | 1711.5 | 1713.2 | 1715.6 | 1717.3 | 1717.3 |
| 22.5° | 1741.9 | 1748.5 | 1753.4  | 1753.4  | 1756.7  | 1760.0  | 1767.4 | 1769.0 | 1774.8 | 1773.9 | 1778.0 |
| 25°   | 1801.8 | 1812.5 | 1815.8  | 1820.7  | 1824.8  | 1830.6  | 1839.6 | 1843.7 | 1846.2 | 1851.9 | 1858.5 |
| 27.5° | 1893.8 | 1906.9 | 1909.4  | 1915.1  | 1925.8  | 1929.1  | 1938.9 | 1943.0 | 1952.1 | 1964.4 | 1966.8 |
| 30°   | 2019.4 | 2035.8 | 2036.6  | 2043.2  | 2055.5  | 2059.6  | 2067.8 | 2078.5 | 2085.9 | 2098.2 | 2099.0 |
| 32.5° | 2190.1 | 2206.5 | 2204.1  | 2216.4  | 2215.6  | 2227.9  | 2225.4 | 2241.8 | 2248.4 | 2255.0 | 2273.0 |
| 35°   | 2417.5 | 2415.9 | 2428.2  | 2432.3  | 2429.8  | 2439.7  | 2438.0 | 2445.4 | 2452.0 | 2452.0 | 2471.7 |
| 37.5° | 2745.0 | 2742.6 | 2740.9  | 2723.7  | 2719.6  | 2720.4  | 2717.1 | 2723.7 | 2713.0 | 2713.0 | 2734.4 |
| 40°   | 3184.2 | 3169.4 | 3157.9  | 3146.4  | 3135.0  | 3119.4  | 3106.2 | 3102.9 | 3084.9 | 3084.1 | 3075.9 |
| 42.5° | 3565.9 | 3552.0 | 3543.8  | 3521.6  | 3510.1  | 3507.6  | 3475.6 | 3466.6 | 3461.7 | 3465.0 | 3456.7 |
| 45°   | 3966.5 | 3951.7 | 3920.5  | 3910.7  | 3907.4  | 3890.2  | 3885.2 | 3863.1 | 3856.5 | 3868.0 | 3863.9 |
| 47.5° | 4379.4 | 4358.1 | 4340.8  | 4329.3  | 4325.2  | 4310.5  | 4289.1 | 4307.2 | 4298.2 | 4291.6 | 4279.3 |
| 50°   | 4750.5 | 4726.7 | 4726.7  | 4706.1  | 4709.4  | 4699.6  | 4677.4 | 4682.3 | 4656.9 | 4666.7 | 4660.2 |
| 52.5° | 5061.6 | 5063.2 | 5071.4  | 5048.4  | 5052.5  | 5052.5  | 5045.2 | 5021.3 | 5027.9 | 5024.6 | 5040.2 |
| 55°   | 5457.2 | 5484.3 | 5469.6  | 5473.7  | 5478.6  | 5501.6  | 5518.0 | 5504.0 | 5481.0 | 5499.1 | 5549.2 |
| 57.5° | 6149.2 | 6173.9 | 6188.6  | 6200.1  | 6219.0  | 6229.7  | 6318.3 | 6330.7 | 6304.4 | 6358.6 | 6470.2 |
| 60°   | 7352.7 | 7382.2 | 7426.5  | 7484.8  | 7497.1  | 7571.8  | 7617.8 | 7672.0 | 7691.7 | 7738.5 | 7858.3 |
| 62.5° | 8799.9 | 8866.4 | 8874.6  | 8948.5  | 9005.9  | 8936.1  | 8954.2 | 9020.7 | 8945.2 | 9048.6 | 9053.5 |
| 65°   | 9747.2 | 9844.0 | 9847.3  | 9874.4  | 9895.8  | 9830.1  | 9800.5 | 9771.0 | 9699.6 | 9695.5 | 9766.9 |
| 67°   | 9909.7 | 9998.4 | 10035.3 | 10048.4 | 10045.2 | 10011.5 | 9963.1 | 9877.7 | 9808.7 | 9769.3 | 9798.9 |
| 67.5° | 9863.7 | 9950.8 | 10002.5 | 10014.8 | 10015.6 | 9982.8  | 9938.4 | 9845.7 | 9780.8 | 9736.5 | 9767.7 |
| 70°   | 9108.5 | 9312.1 | 9400.8  | 9354.8  | 9381.1  | 9381.1  | 9379.4 | 9294.1 | 9262.0 | 9219.4 | 9202.9 |
| 72.5° | 7573.5 | 7714.7 | 7827.1  | 7767.2  | 7774.6  | 7830.4  | 7817.3 | 7826.3 | 7734.4 | 7724.5 | 7572.7 |
| 75°   | 5425.2 | 5470.4 | 5432.6  | 5475.3  | 5245.5  | 5163.4  | 5023.8 | 4820.2 | 4766.9 | 4682.3 | 4429.5 |
| 77.5° | 2882.1 | 2831.2 | 2730.3  | 2722.1  | 2627.7  | 2554.6  | 2464.3 | 2405.2 | 2255.8 | 2172.9 | 1983.3 |
| 80°   | 2035.8 | 2060.4 | 2099.0  | 2122.0  | 2143.3  | 2159.7  | 2126.1 | 2031.7 | 1906.9 | 1767.4 | 1635.2 |
| 82.5° | 1944.7 | 1978.3 | 2001.3  | 2012.8  | 2004.6  | 1978.3  | 1901.2 | 1810.9 | 1644.2 | 1523.6 | 1380.7 |
| 85°   | 1226.4 | 1253.5 | 1206.7  | 1196.8  | 1217.4  | 1051.6  | 960.4  | 886.6  | 718.3  | 668.2  | 590.2  |
| 87.5° | 329.2  | 347.2  | 348.1   | 337.4   | 330.8   | 291.4   | 257.8  | 228.2  | 188.8  | 177.3  | 143.7  |
| 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: P145291

CATALOG NUMBER: CNC-E04-LED-E1-GL3-7050

**CANDELA DISTRIBUTION (continued):**

|       | 75°    | 76°    | 77°     | 78°     | 79°     | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    |
|-------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0°    | 1296.2 | 1296.2 | 1296.2  | 1296.2  | 1296.2  | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 |
| 2.5°  | 1316.7 | 1315.9 | 1315.9  | 1313.4  | 1311.8  | 1311.0 | 1310.1 | 1307.7 | 1306.0 | 1306.0 | 1305.2 |
| 5°    | 1347.9 | 1346.3 | 1343.8  | 1343.0  | 1339.7  | 1338.0 | 1334.8 | 1333.1 | 1330.7 | 1329.0 | 1328.2 |
| 7.5°  | 1392.2 | 1388.1 | 1383.2  | 1384.0  | 1379.1  | 1376.6 | 1375.0 | 1371.7 | 1369.2 | 1366.8 | 1366.0 |
| 10°   | 1451.3 | 1450.5 | 1445.6  | 1447.2  | 1438.2  | 1442.3 | 1434.1 | 1434.9 | 1430.0 | 1425.1 | 1424.2 |
| 12.5° | 1526.8 | 1526.0 | 1521.1  | 1515.4  | 1513.7  | 1514.5 | 1509.6 | 1510.4 | 1504.7 | 1503.0 | 1501.4 |
| 15°   | 1599.1 | 1597.4 | 1595.0  | 1590.9  | 1588.4  | 1587.6 | 1585.9 | 1584.3 | 1579.4 | 1579.4 | 1573.6 |
| 17.5° | 1661.5 | 1662.3 | 1659.0  | 1655.7  | 1654.1  | 1651.6 | 1650.8 | 1650.8 | 1646.7 | 1642.6 | 1643.4 |
| 20°   | 1716.5 | 1718.1 | 1718.1  | 1715.6  | 1716.5  | 1714.8 | 1714.0 | 1715.6 | 1711.5 | 1709.9 | 1707.4 |
| 22.5° | 1778.0 | 1778.0 | 1778.9  | 1780.5  | 1783.0  | 1783.8 | 1783.8 | 1782.1 | 1779.7 | 1778.9 | 1773.9 |
| 25°   | 1863.4 | 1860.1 | 1864.2  | 1865.9  | 1865.9  | 1870.0 | 1868.3 | 1869.2 | 1870.0 | 1867.5 | 1865.0 |
| 27.5° | 1970.9 | 1967.7 | 1975.9  | 1981.6  | 1980.8  | 1983.3 | 1988.2 | 1982.4 | 1985.7 | 1988.2 | 1982.4 |
| 30°   | 2103.1 | 2111.3 | 2117.1  | 2121.2  | 2119.5  | 2126.9 | 2129.4 | 2128.6 | 2126.1 | 2130.2 | 2130.2 |
| 32.5° | 2271.4 | 2267.3 | 2282.1  | 2291.1  | 2291.9  | 2290.3 | 2294.4 | 2299.3 | 2295.2 | 2301.8 | 2298.5 |
| 35°   | 2471.7 | 2474.1 | 2477.4  | 2487.3  | 2491.4  | 2484.8 | 2491.4 | 2497.1 | 2495.5 | 2496.3 | 2499.6 |
| 37.5° | 2730.3 | 2734.4 | 2731.1  | 2731.9  | 2730.3  | 2761.5 | 2766.4 | 2771.3 | 2765.6 | 2760.6 | 2775.4 |
| 40°   | 3089.0 | 3089.0 | 3088.2  | 3098.8  | 3080.8  | 3100.5 | 3094.7 | 3108.7 | 3123.5 | 3115.3 | 3137.4 |
| 42.5° | 3442.0 | 3461.7 | 3463.3  | 3447.7  | 3460.8  | 3482.2 | 3482.2 | 3491.2 | 3504.4 | 3491.2 | 3512.6 |
| 45°   | 3846.7 | 3871.3 | 3867.2  | 3893.5  | 3873.8  | 3898.4 | 3902.5 | 3891.0 | 3919.7 | 3923.0 | 3914.8 |
| 47.5° | 4288.3 | 4293.2 | 4294.0  | 4303.1  | 4307.2  | 4326.9 | 4326.1 | 4347.4 | 4340.8 | 4308.0 | 4319.5 |
| 50°   | 4666.7 | 4679.0 | 4685.6  | 4691.4  | 4711.9  | 4725.8 | 4744.7 | 4748.0 | 4743.1 | 4733.2 | 4724.2 |
| 52.5° | 5045.2 | 5074.7 | 5093.6  | 5144.5  | 5176.5  | 5201.9 | 5233.1 | 5244.6 | 5238.9 | 5236.4 | 5200.3 |
| 55°   | 5551.6 | 5622.2 | 5731.4  | 5802.0  | 5879.2  | 5924.3 | 5960.4 | 5978.5 | 5965.4 | 5971.9 | 5897.2 |
| 57.5° | 6505.5 | 6671.3 | 6766.5  | 6887.2  | 7023.5  | 7080.1 | 7095.7 | 7159.8 | 7089.2 | 7018.6 | 6961.9 |
| 60°   | 7923.2 | 8075.9 | 8249.1  | 8373.0  | 8419.0  | 8575.8 | 8501.9 | 8419.0 | 8343.5 | 8197.4 | 8032.4 |
| 62.5° | 9202.9 | 9399.9 | 9488.6  | 9604.3  | 9573.2  | 9560.0 | 9510.8 | 9378.6 | 9216.9 | 8999.4 | 8779.4 |
| 65°   | 9834.2 | 9945.0 | 10000.0 | 10037.8 | 10002.5 | 9911.4 | 9748.8 | 9553.5 | 9322.0 | 9040.4 | 8751.4 |
| 67°   | 9859.6 | 9910.5 | 9928.6  | 9892.5  | 9813.7  | 9671.7 | 9466.4 | 9189.8 | 8905.0 | 8582.3 | 8257.3 |
| 67.5° | 9817.8 | 9851.4 | 9860.5  | 9803.8  | 9710.2  | 9556.7 | 9337.6 | 9042.0 | 8739.1 | 8404.2 | 8077.5 |
| 70°   | 9246.4 | 9221.8 | 9142.2  | 9064.2  | 8772.0  | 8565.9 | 8184.2 | 7869.0 | 7448.7 | 7140.9 | 6792.0 |
| 72.5° | 7511.9 | 7399.5 | 7322.3  | 6977.5  | 6624.5  | 6420.1 | 6009.7 | 5632.9 | 5249.6 | 4956.5 | 4742.2 |
| 75°   | 4216.9 | 4134.8 | 3920.5  | 3738.3  | 3446.9  | 3180.1 | 2988.8 | 2749.1 | 2519.3 | 2383.0 | 2282.9 |
| 77.5° | 1905.3 | 1670.5 | 1508.8  | 1304.4  | 1054.0  | 847.2  | 628.8  | 581.2  | 495.8  | 474.5  | 427.7  |
| 80°   | 1486.6 | 1318.3 | 1106.6  | 872.6   | 615.7   | 413.7  | 303.7  | 257.8  | 242.2  | 232.3  | 227.4  |
| 82.5° | 1240.4 | 1022.0 | 860.3   | 610.7   | 390.7   | 262.7  | 197.8  | 179.0  | 167.5  | 159.3  | 151.9  |
| 85°   | 530.3  | 419.5  | 345.6   | 247.1   | 175.7   | 138.7  | 121.5  | 110.8  | 100.1  | 91.1   | 85.4   |
| 87.5° | 124.0  | 95.2   | 87.0    | 73.9    | 69.8    | 69.0   | 68.1   | 64.8   | 60.7   | 55.8   | 50.1   |
| 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: P145291

CATALOG NUMBER: CNC-E04-LED-E1-GL3-7050

**CANDELA DISTRIBUTION (continued):**

|       | 86°    | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 | 1296.2 |
| 2.5°  | 1304.4 | 1303.6 | 1301.9 | 1299.5 | 1299.5 | 1296.2 | 1285.5 | 1278.1 | 1269.9 | 1265.0 | 1260.1 |
| 5°    | 1326.5 | 1325.7 | 1321.6 | 1319.2 | 1317.5 | 1311.0 | 1292.9 | 1278.9 | 1264.2 | 1253.5 | 1245.3 |
| 7.5°  | 1363.5 | 1361.0 | 1357.7 | 1356.1 | 1351.2 | 1343.0 | 1316.7 | 1297.0 | 1275.7 | 1258.4 | 1244.5 |
| 10°   | 1423.4 | 1419.3 | 1414.4 | 1409.5 | 1411.1 | 1398.0 | 1367.6 | 1338.9 | 1307.7 | 1280.6 | 1261.7 |
| 12.5° | 1496.5 | 1496.5 | 1494.0 | 1490.7 | 1485.0 | 1470.2 | 1429.2 | 1395.5 | 1357.7 | 1324.1 | 1310.1 |
| 15°   | 1573.6 | 1569.5 | 1565.4 | 1560.5 | 1559.7 | 1540.0 | 1503.0 | 1464.5 | 1425.1 | 1396.3 | 1379.9 |
| 17.5° | 1636.8 | 1638.5 | 1632.7 | 1631.1 | 1629.5 | 1609.8 | 1570.4 | 1535.9 | 1507.1 | 1476.8 | 1450.5 |
| 20°   | 1704.2 | 1700.9 | 1699.2 | 1696.8 | 1695.9 | 1679.5 | 1648.3 | 1627.0 | 1601.5 | 1555.6 | 1486.6 |
| 22.5° | 1776.4 | 1772.3 | 1773.9 | 1769.0 | 1768.2 | 1756.7 | 1733.7 | 1727.1 | 1689.4 | 1592.5 | 1472.7 |
| 25°   | 1870.0 | 1862.6 | 1865.0 | 1865.0 | 1865.9 | 1855.2 | 1852.7 | 1841.2 | 1746.0 | 1583.5 | 1416.8 |
| 27.5° | 1981.6 | 1984.9 | 1984.9 | 1984.1 | 1978.3 | 1981.6 | 1993.1 | 1953.7 | 1765.7 | 1535.9 | 1333.1 |
| 30°   | 2126.9 | 2128.6 | 2130.2 | 2135.9 | 2123.6 | 2145.0 | 2158.9 | 2033.3 | 1750.9 | 1470.2 | 1228.0 |
| 32.5° | 2303.4 | 2296.8 | 2300.1 | 2303.4 | 2307.5 | 2329.7 | 2321.5 | 2073.6 | 1707.4 | 1380.7 | 1097.5 |
| 35°   | 2498.0 | 2510.3 | 2513.5 | 2520.9 | 2529.1 | 2562.8 | 2468.4 | 2081.8 | 1640.9 | 1260.9 | 930.9  |
| 37.5° | 2787.7 | 2807.4 | 2807.4 | 2833.7 | 2818.1 | 2859.1 | 2599.7 | 2062.1 | 1540.0 | 1094.2 | 742.9  |
| 40°   | 3153.0 | 3162.0 | 3171.1 | 3174.4 | 3166.2 | 3161.2 | 2685.9 | 2013.6 | 1398.0 | 884.9  | 543.4  |
| 42.5° | 3525.7 | 3522.4 | 3523.2 | 3529.0 | 3506.8 | 3414.1 | 2739.3 | 1929.1 | 1221.5 | 660.8  | 389.9  |
| 45°   | 3927.1 | 3913.2 | 3909.1 | 3897.6 | 3877.9 | 3682.5 | 2769.7 | 1810.0 | 989.2  | 464.6  | 306.2  |
| 47.5° | 4317.9 | 4300.6 | 4274.3 | 4242.3 | 4204.6 | 3898.4 | 2766.4 | 1655.7 | 758.5  | 332.5  | 270.1  |
| 50°   | 4718.4 | 4688.1 | 4631.4 | 4600.2 | 4536.2 | 4112.6 | 2747.5 | 1484.2 | 545.9  | 275.0  | 252.8  |
| 52.5° | 5176.5 | 5122.3 | 5069.8 | 5007.4 | 4901.5 | 4376.1 | 2718.8 | 1291.3 | 398.1  | 252.0  | 241.3  |
| 55°   | 5859.5 | 5770.8 | 5684.6 | 5554.9 | 5452.3 | 4729.1 | 2670.3 | 1083.6 | 314.4  | 243.0  | 234.8  |
| 57.5° | 6801.0 | 6650.0 | 6540.8 | 6366.0 | 6201.8 | 5217.5 | 2618.6 | 894.8  | 280.7  | 240.5  | 231.5  |
| 60°   | 7860.8 | 7633.4 | 7429.8 | 7214.8 | 7027.6 | 5827.5 | 2591.5 | 747.0  | 273.4  | 243.0  | 232.3  |
| 62.5° | 8525.7 | 8257.3 | 8002.8 | 7740.1 | 7470.9 | 6118.9 | 2474.1 | 645.2  | 276.6  | 253.7  | 238.9  |
| 65°   | 8442.0 | 8145.6 | 7869.0 | 7548.9 | 7295.2 | 5843.9 | 2175.3 | 545.9  | 282.4  | 272.5  | 256.9  |
| 67°   | 7877.2 | 7589.9 | 7274.7 | 6961.1 | 6714.8 | 5321.0 | 1836.3 | 459.7  | 289.0  | 293.9  | 276.6  |
| 67.5° | 7726.2 | 7402.7 | 7085.1 | 6796.9 | 6530.1 | 5159.3 | 1747.7 | 438.4  | 290.6  | 299.6  | 283.2  |
| 70°   | 6443.1 | 6187.0 | 5815.1 | 5601.7 | 5408.8 | 4182.4 | 1303.6 | 340.7  | 295.5  | 325.1  | 314.4  |
| 72.5° | 4508.3 | 4260.4 | 4065.8 | 3949.3 | 3836.8 | 3038.9 | 916.9  | 271.7  | 288.1  | 339.0  | 328.4  |
| 75°   | 2277.1 | 2220.5 | 2152.4 | 2114.6 | 2116.2 | 1766.5 | 552.5  | 231.5  | 270.9  | 325.1  | 298.0  |
| 77.5° | 449.8  | 438.4  | 443.3  | 485.1  | 477.8  | 544.2  | 274.2  | 196.2  | 230.7  | 250.4  | 214.3  |
| 80°   | 217.5  | 210.1  | 203.6  | 201.9  | 197.8  | 189.6  | 172.4  | 163.4  | 187.2  | 165.0  | 142.0  |
| 82.5° | 141.2  | 133.0  | 129.7  | 123.1  | 124.0  | 134.6  | 150.2  | 156.8  | 151.9  | 114.1  | 96.0   |
| 85°   | 79.6   | 78.8   | 77.2   | 78.8   | 82.1   | 107.5  | 160.9  | 146.9  | 122.3  | 80.4   | 72.2   |
| 87.5° | 47.6   | 45.1   | 46.0   | 46.8   | 48.4   | 79.6   | 127.2  | 105.9  | 78.0   | 41.9   | 42.7   |
| 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: P145291

CATALOG NUMBER: CNC-E04-LED-E1-GL3-7050

**CANDELA DISTRIBUTION (continued):**

|       | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1296.2 | 1296.2 | 1296.2 | 1296.2 |
| 2.5°  | 1259.2 | 1256.0 | 1256.0 | 1255.1 |
| 5°    | 1238.7 | 1233.8 | 1233.0 | 1233.0 |
| 7.5°  | 1235.4 | 1228.9 | 1228.0 | 1225.6 |
| 10°   | 1250.2 | 1247.7 | 1248.6 | 1246.1 |
| 12.5° | 1297.0 | 1300.3 | 1303.6 | 1303.6 |
| 15°   | 1368.4 | 1366.0 | 1370.1 | 1366.0 |
| 17.5° | 1421.0 | 1399.6 | 1394.7 | 1392.2 |
| 20°   | 1422.6 | 1378.3 | 1363.5 | 1361.0 |
| 22.5° | 1371.7 | 1306.0 | 1281.4 | 1277.3 |
| 25°   | 1285.5 | 1202.6 | 1171.4 | 1168.1 |
| 27.5° | 1177.1 | 1084.4 | 1038.4 | 1036.8 |
| 30°   | 1046.6 | 936.6  | 878.3  | 869.3  |
| 32.5° | 887.4  | 756.9  | 695.3  | 675.6  |
| 35°   | 703.5  | 569.7  | 512.2  | 510.6  |
| 37.5° | 525.4  | 421.1  | 384.2  | 382.5  |
| 40°   | 385.0  | 330.8  | 316.9  | 314.4  |
| 42.5° | 314.4  | 292.2  | 286.5  | 284.0  |
| 45°   | 281.6  | 272.5  | 269.3  | 266.8  |
| 47.5° | 261.9  | 256.1  | 253.7  | 253.7  |
| 50°   | 246.3  | 244.6  | 243.0  | 243.0  |
| 52.5° | 235.6  | 234.8  | 233.1  | 232.3  |
| 55°   | 226.6  | 223.3  | 224.1  | 223.3  |
| 57.5° | 220.8  | 215.9  | 215.9  | 215.9  |
| 60°   | 217.5  | 208.5  | 208.5  | 209.3  |
| 62.5° | 218.4  | 204.4  | 203.6  | 203.6  |
| 65°   | 224.9  | 201.9  | 197.0  | 197.8  |
| 67°   | 233.1  | 199.5  | 189.6  | 188.8  |
| 67.5° | 235.6  | 197.8  | 187.2  | 186.3  |
| 70°   | 245.4  | 192.9  | 174.8  | 173.2  |
| 72.5° | 247.1  | 185.5  | 162.5  | 160.9  |
| 75°   | 229.8  | 175.7  | 152.7  | 148.6  |
| 77.5° | 179.0  | 151.0  | 137.9  | 137.9  |
| 80°   | 125.6  | 115.7  | 98.5   | 97.7   |
| 82.5° | 91.9   | 87.0   | 72.2   | 70.6   |
| 85°   | 67.3   | 63.2   | 53.4   | 53.4   |
| 87.5° | 41.9   | 40.2   | 34.5   | 32.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)