

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: LUMARK

Report Number: P144354

Luminaire Tested: **LDRV-5XQ-F04-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144354
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRV-5XQ-F04-E-7030
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9325.7 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

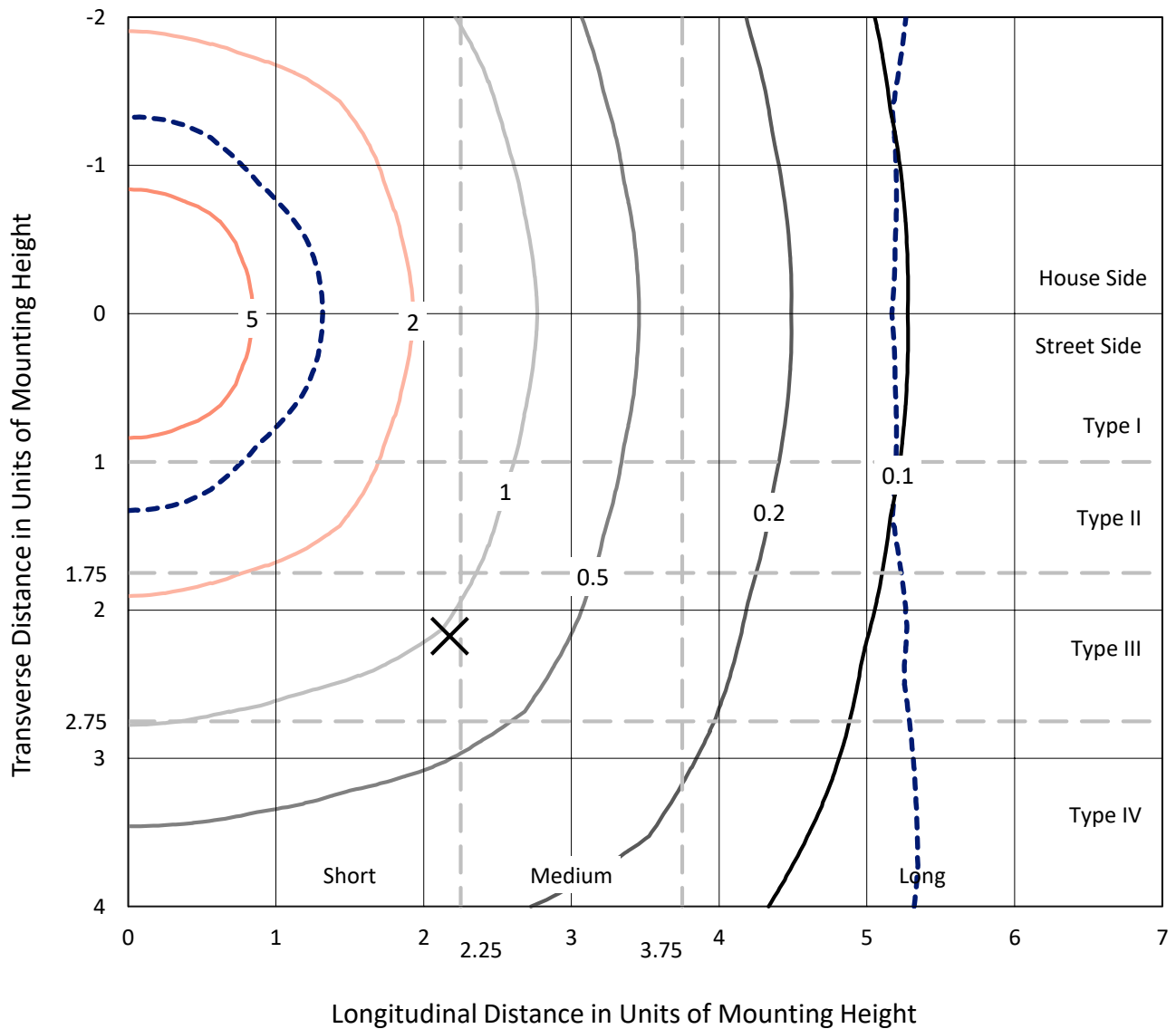
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P144354
 CATALOG NUMBER: LDRV-5XQ-F04-E-7030

Iso-Footcandle Lines of Horizontal Illumination

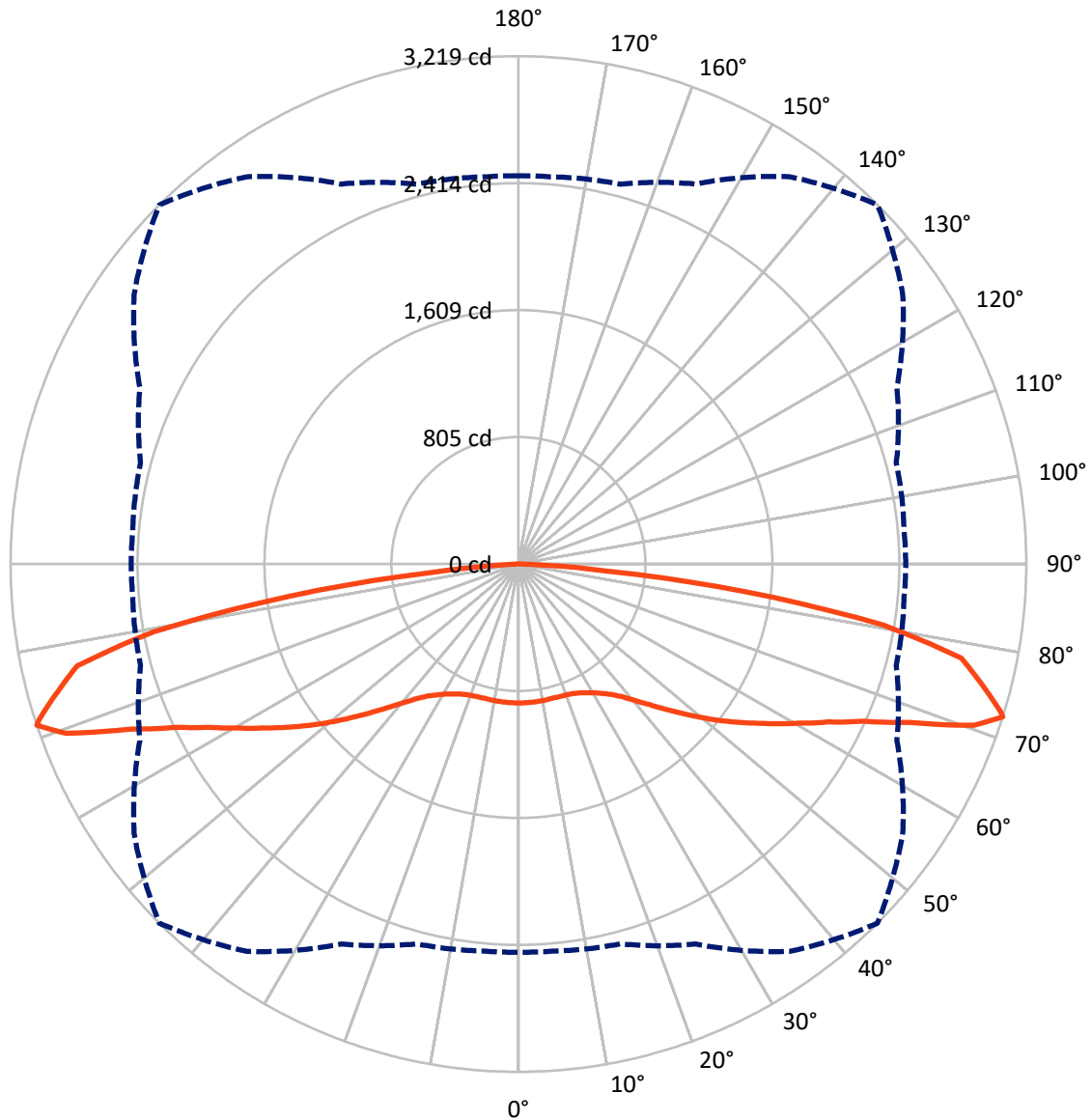
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P144354
CATALOG NUMBER: LDRV-5XQ-F04-E-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P144354

CATALOG NUMBER: LDRV-5XQ-F04-E-7030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4662.8 | 0.0 | 4662.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4662.8 | 0.0 | 4662.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9325.7 | 0.0 | 9325.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.0 | 0.9 |
| 10°-20° | 249.7 | 2.7 |
| 20°-30° | 419.4 | 4.5 |
| 30°-40° | 638.3 | 6.8 |
| 40°-50° | 1009.1 | 10.8 |
| 50°-60° | 1541.3 | 16.5 |
| 60°-70° | 2258.1 | 24.2 |
| 70°-80° | 2565.3 | 27.5 |
| 80°-90° | 560.3 | 6.0 |
| 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° | 9325.7 | 100.0 |
| 0°-180° | 9325.7 | 100.0 |



REPORT NUMBER: P144354

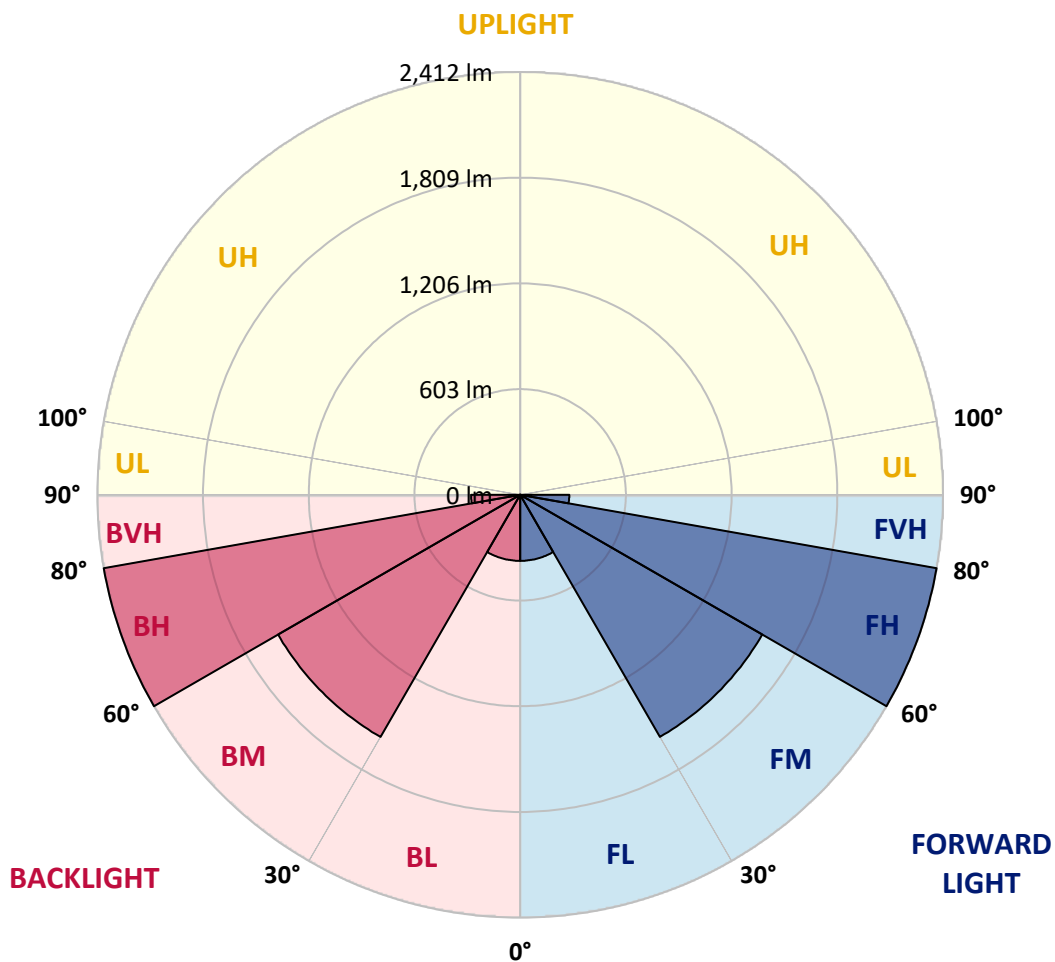
CATALOG NUMBER: LDRV-5XQ-F04-E-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 376.6 | 4.0 | | | |
| FM | (30°-60°) | 1594.4 | 17.1 | | | |
| FH | (60°-80°) | 2411.7 | 25.9 | | | G2/5000 |
| FVH | (80°-90°) | 280.2 | 3.0 | | | G3/500 |
| BL | (0°-30°) | 376.6 | 4.0 | B1/500 | | |
| BM | (30°-60°) | 1594.4 | 17.1 | B2/2500 | | |
| BH | (60°-80°) | 2411.7 | 25.9 | B3/2500 | | G2/5000 |
| BVH | (80°-90°) | 280.2 | 3.0 | | | G3/500 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type V Short





REPORT NUMBER: P144354

CATALOG NUMBER: LDRV-5XQ-F04-E-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 |
| 2.5° | 882.4 | 882.2 | 881.6 | 881.0 | 880.6 | 880.4 | 880.4 | 880.4 | 880.2 | 880.0 | 880.2 |
| 5° | 882.4 | 882.2 | 881.7 | 881.2 | 880.8 | 880.4 | 880.4 | 880.4 | 880.2 | 880.0 | 880.4 |
| 7.5° | 881.2 | 881.6 | 881.1 | 880.6 | 880.5 | 880.4 | 880.2 | 880.0 | 879.8 | 879.4 | 879.6 |
| 10° | 881.6 | 882.8 | 881.8 | 881.0 | 880.6 | 880.4 | 879.8 | 879.2 | 879.0 | 878.8 | 878.6 |
| 12.5° | 882.2 | 883.4 | 882.3 | 881.2 | 880.8 | 880.4 | 879.8 | 879.2 | 878.7 | 878.2 | 877.8 |
| 15° | 884.0 | 884.9 | 884.0 | 883.0 | 882.2 | 881.2 | 880.6 | 880.0 | 879.2 | 878.2 | 877.8 |
| 17.5° | 885.2 | 886.7 | 885.6 | 884.6 | 883.5 | 882.4 | 881.8 | 881.2 | 880.6 | 880.0 | 879.3 |
| 20° | 887.3 | 888.8 | 887.9 | 887.0 | 886.4 | 885.8 | 885.3 | 884.8 | 884.4 | 884.0 | 882.9 |
| 22.5° | 891.2 | 892.4 | 892.2 | 891.8 | 892.0 | 892.2 | 892.3 | 892.4 | 892.2 | 891.8 | 890.8 |
| 25° | 899.4 | 899.4 | 900.0 | 900.6 | 901.4 | 902.4 | 903.1 | 903.8 | 904.3 | 904.8 | 903.4 |
| 27.5° | 913.6 | 914.8 | 915.2 | 915.6 | 917.2 | 918.6 | 920.3 | 922.0 | 922.9 | 923.8 | 922.4 |
| 30° | 931.9 | 931.9 | 933.0 | 934.0 | 936.6 | 939.2 | 941.3 | 943.4 | 945.0 | 946.7 | 945.6 |
| 32.5° | 955.4 | 957.0 | 958.5 | 960.0 | 963.2 | 966.3 | 969.9 | 973.6 | 975.7 | 977.8 | 976.1 |
| 35° | 991.4 | 993.2 | 994.6 | 996.2 | 999.5 | 1002.8 | 1006.9 | 1011.0 | 1012.8 | 1014.6 | 1013.5 |
| 37.5° | 1042.0 | 1042.0 | 1044.2 | 1046.2 | 1048.4 | 1050.4 | 1055.9 | 1061.4 | 1063.6 | 1065.8 | 1064.0 |
| 40° | 1110.5 | 1110.8 | 1111.2 | 1111.7 | 1113.6 | 1115.6 | 1122.2 | 1128.8 | 1132.8 | 1136.8 | 1133.0 |
| 42.5° | 1189.2 | 1192.5 | 1192.4 | 1192.2 | 1193.6 | 1194.9 | 1201.2 | 1207.6 | 1213.2 | 1218.8 | 1216.5 |
| 45° | 1282.0 | 1281.4 | 1280.2 | 1279.1 | 1283.1 | 1287.2 | 1296.2 | 1305.3 | 1310.3 | 1315.3 | 1310.6 |
| 47.5° | 1375.9 | 1375.0 | 1373.3 | 1371.6 | 1375.7 | 1379.8 | 1393.4 | 1406.9 | 1414.0 | 1421.1 | 1413.6 |
| 50° | 1469.4 | 1473.0 | 1470.9 | 1468.8 | 1474.8 | 1480.8 | 1498.1 | 1515.2 | 1525.6 | 1536.0 | 1527.3 |
| 52.5° | 1572.8 | 1575.6 | 1573.1 | 1570.7 | 1579.0 | 1587.3 | 1607.7 | 1628.0 | 1641.9 | 1655.8 | 1644.0 |
| 55° | 1679.9 | 1676.6 | 1677.9 | 1679.3 | 1687.2 | 1695.0 | 1720.0 | 1745.0 | 1761.6 | 1778.2 | 1764.9 |
| 57.5° | 1780.0 | 1781.2 | 1779.9 | 1778.6 | 1790.9 | 1803.2 | 1834.8 | 1866.3 | 1887.1 | 1907.9 | 1891.3 |
| 60° | 1882.6 | 1882.8 | 1879.8 | 1876.8 | 1890.2 | 1903.6 | 1948.9 | 1994.2 | 2021.2 | 2048.2 | 2025.4 |
| 62.5° | 1997.2 | 1996.9 | 1991.6 | 1986.3 | 2002.1 | 2018.0 | 2074.1 | 2130.2 | 2167.3 | 2204.4 | 2176.6 |
| 65° | 2137.7 | 2134.1 | 2131.1 | 2128.1 | 2146.3 | 2164.6 | 2234.2 | 2303.9 | 2354.0 | 2404.0 | 2368.3 |
| 67.5° | 2344.9 | 2342.2 | 2335.9 | 2329.6 | 2349.9 | 2370.3 | 2459.6 | 2548.8 | 2613.5 | 2678.2 | 2631.0 |
| 70° | 2572.9 | 2567.8 | 2572.2 | 2576.6 | 2623.6 | 2670.6 | 2790.4 | 2910.1 | 2986.7 | 3063.4 | 2984.0 |
| 72° | 2460.4 | 2462.6 | 2477.2 | 2491.8 | 2574.3 | 2656.8 | 2826.9 | 2997.0 | 3107.8 | 3218.6 | 3096.0 |
| 72.5° | 2421.2 | 2423.0 | 2439.6 | 2456.2 | 2535.0 | 2613.6 | 2789.0 | 2964.4 | 3079.2 | 3194.0 | 3067.9 |
| 75° | 2254.8 | 2259.6 | 2278.7 | 2297.9 | 2377.6 | 2457.4 | 2634.3 | 2811.2 | 2921.1 | 3031.0 | 2904.8 |
| 77.5° | 1983.0 | 1998.0 | 2017.5 | 2037.0 | 2132.0 | 2227.0 | 2427.0 | 2626.9 | 2748.3 | 2869.7 | 2726.4 |
| 80° | 1513.4 | 1508.0 | 1541.5 | 1574.9 | 1665.7 | 1756.5 | 1911.2 | 2066.0 | 2205.7 | 2345.5 | 2184.4 |
| 82.5° | 588.1 | 601.1 | 670.5 | 739.8 | 835.0 | 930.2 | 1068.7 | 1207.3 | 1333.2 | 1459.1 | 1325.1 |
| 85° | 60.6 | 69.0 | 93.9 | 118.8 | 170.7 | 222.6 | 307.0 | 391.5 | 474.3 | 557.0 | 467.2 |
| 87.5° | 24.5 | 26.8 | 34.5 | 42.2 | 44.2 | 46.1 | 55.8 | 65.4 | 65.0 | 64.6 | 63.6 |
| 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: P144354

CATALOG NUMBER: LDRV-5XQ-F04-E-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 | 880.7 |
| 2.5° | 880.4 | 880.7 | 881.0 | 881.0 | 881.0 | 881.4 | 881.9 | 881.3 |
| 5° | 880.6 | 880.8 | 881.0 | 881.0 | 881.0 | 881.4 | 881.9 | 881.3 |
| 7.5° | 879.8 | 879.8 | 879.8 | 880.2 | 880.7 | 880.8 | 881.0 | 880.7 |
| 10° | 878.2 | 878.4 | 878.6 | 879.0 | 879.4 | 879.9 | 880.4 | 880.7 |
| 12.5° | 877.4 | 877.5 | 877.6 | 878.1 | 878.6 | 879.0 | 879.5 | 880.1 |
| 15° | 877.4 | 877.5 | 877.6 | 878.0 | 878.2 | 878.9 | 879.5 | 880.1 |
| 17.5° | 878.6 | 878.2 | 878.0 | 878.2 | 878.6 | 879.3 | 880.1 | 880.7 |
| 20° | 881.8 | 881.4 | 881.0 | 881.0 | 881.0 | 881.7 | 882.5 | 882.5 |
| 22.5° | 889.8 | 888.2 | 886.7 | 886.4 | 886.1 | 886.2 | 886.4 | 886.7 |
| 25° | 902.0 | 899.6 | 897.2 | 896.5 | 895.8 | 895.4 | 895.1 | 895.7 |
| 27.5° | 921.0 | 918.4 | 915.6 | 914.0 | 912.4 | 911.4 | 910.5 | 910.8 |
| 30° | 944.6 | 941.4 | 938.2 | 935.6 | 932.8 | 931.6 | 930.4 | 930.7 |
| 32.5° | 974.4 | 970.7 | 967.0 | 963.3 | 959.6 | 958.0 | 956.4 | 956.7 |
| 35° | 1012.4 | 1008.1 | 1003.7 | 1000.7 | 997.6 | 995.1 | 992.6 | 994.7 |
| 37.5° | 1062.2 | 1058.1 | 1054.1 | 1052.1 | 1050.2 | 1047.9 | 1045.6 | 1045.9 |
| 40° | 1129.2 | 1124.9 | 1120.7 | 1119.1 | 1117.4 | 1114.6 | 1111.7 | 1112.3 |
| 42.5° | 1214.2 | 1207.9 | 1201.6 | 1198.6 | 1195.6 | 1194.2 | 1192.8 | 1193.7 |
| 45° | 1306.0 | 1299.6 | 1293.2 | 1290.7 | 1288.1 | 1284.5 | 1280.9 | 1284.2 |
| 47.5° | 1406.0 | 1398.1 | 1390.1 | 1385.5 | 1381.0 | 1382.2 | 1383.4 | 1380.7 |
| 50° | 1518.6 | 1505.1 | 1491.7 | 1486.4 | 1481.1 | 1481.1 | 1481.2 | 1480.8 |
| 52.5° | 1632.2 | 1613.7 | 1595.2 | 1590.6 | 1586.1 | 1585.0 | 1584.0 | 1582.8 |
| 55° | 1751.6 | 1728.9 | 1706.2 | 1697.7 | 1689.2 | 1690.4 | 1691.6 | 1695.0 |
| 57.5° | 1874.8 | 1844.8 | 1814.8 | 1805.1 | 1795.4 | 1796.2 | 1796.9 | 1802.3 |
| 60° | 2002.6 | 1963.8 | 1925.1 | 1914.4 | 1903.7 | 1906.6 | 1909.4 | 1912.7 |
| 62.5° | 2148.9 | 2102.0 | 2055.0 | 2040.8 | 2026.4 | 2030.0 | 2033.6 | 2042.4 |
| 65° | 2332.6 | 2274.0 | 2215.6 | 2200.6 | 2185.7 | 2187.4 | 2189.0 | 2204.1 |
| 67.5° | 2583.8 | 2505.8 | 2427.8 | 2414.1 | 2400.4 | 2402.8 | 2405.2 | 2429.7 |
| 70° | 2904.7 | 2789.2 | 2673.6 | 2616.8 | 2560.0 | 2551.0 | 2542.2 | 2555.1 |
| 72° | 2973.5 | 2810.3 | 2647.1 | 2563.2 | 2479.4 | 2466.3 | 2453.2 | 2454.4 |
| 72.5° | 2941.8 | 2776.8 | 2611.8 | 2530.4 | 2449.0 | 2438.3 | 2427.6 | 2425.4 |
| 75° | 2778.6 | 2617.2 | 2455.9 | 2371.8 | 2287.6 | 2267.2 | 2246.9 | 2246.9 |
| 77.5° | 2583.2 | 2379.8 | 2176.4 | 2085.6 | 1994.8 | 1973.5 | 1952.2 | 1935.7 |
| 80° | 2023.4 | 1841.1 | 1658.8 | 1566.6 | 1474.5 | 1440.4 | 1406.4 | 1386.1 |
| 82.5° | 1191.0 | 1023.4 | 855.6 | 738.6 | 621.6 | 586.4 | 551.3 | 502.5 |
| 85° | 377.3 | 290.3 | 203.3 | 158.6 | 114.0 | 92.2 | 70.3 | 61.5 |
| 87.5° | 62.8 | 51.0 | 39.2 | 37.8 | 36.5 | 28.6 | 20.8 | 17.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)