

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: P146950

Luminaire Tested: **LDRV-T4-E02-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146950
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33696)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRV-T4-E02-E
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5877.2 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

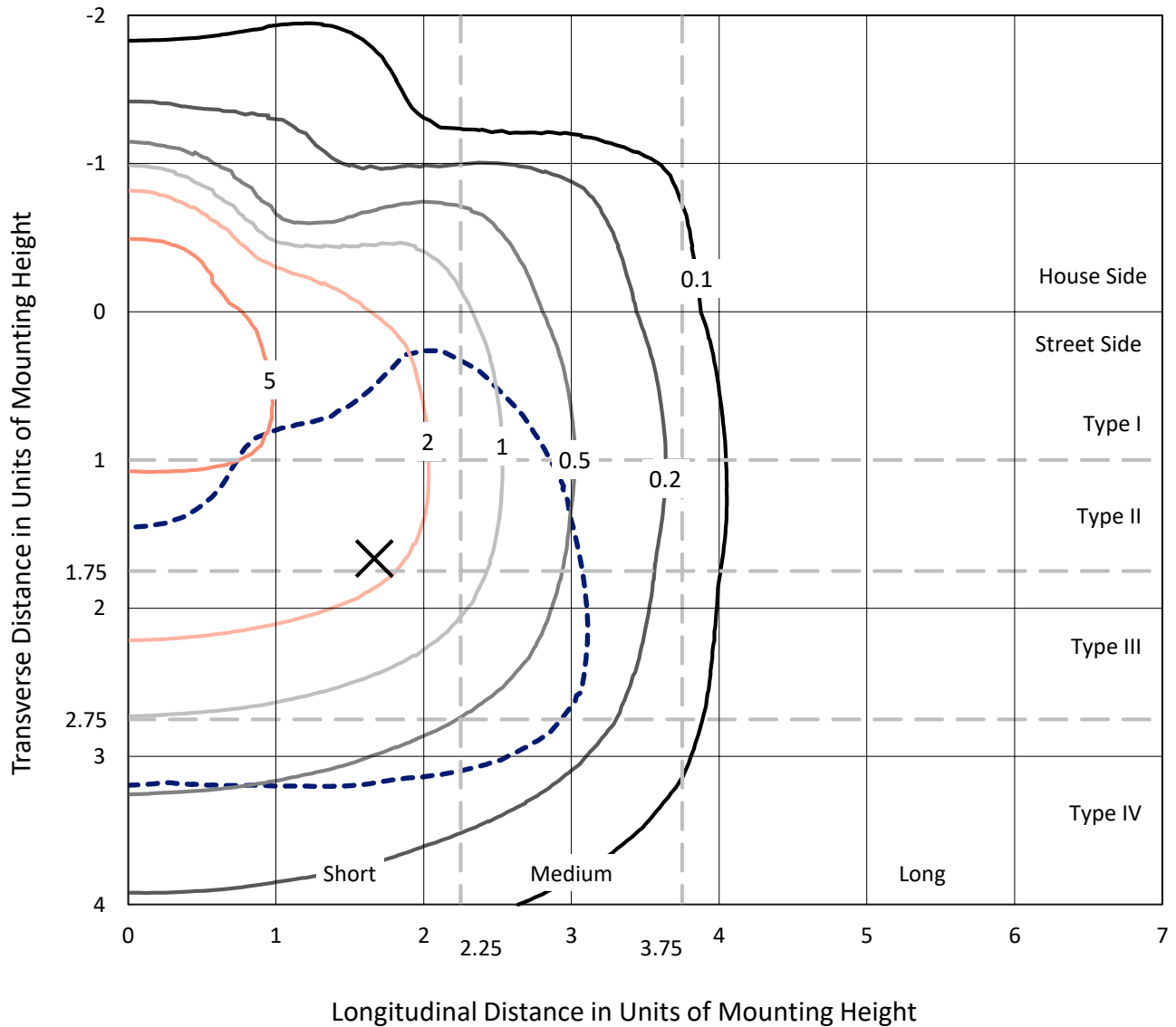
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P146950
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Iso-Footcandle Lines of Horizontal Illumination

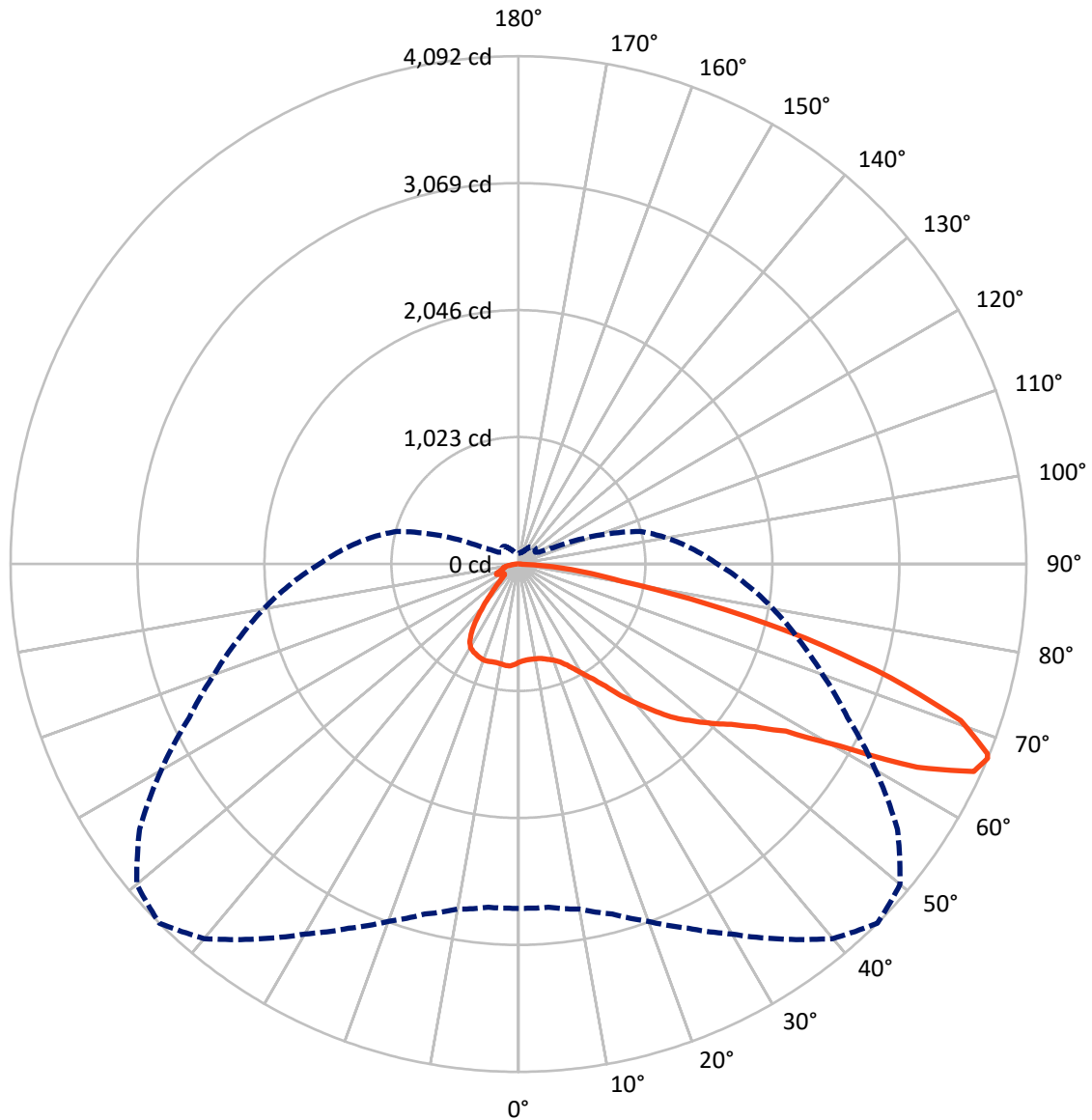
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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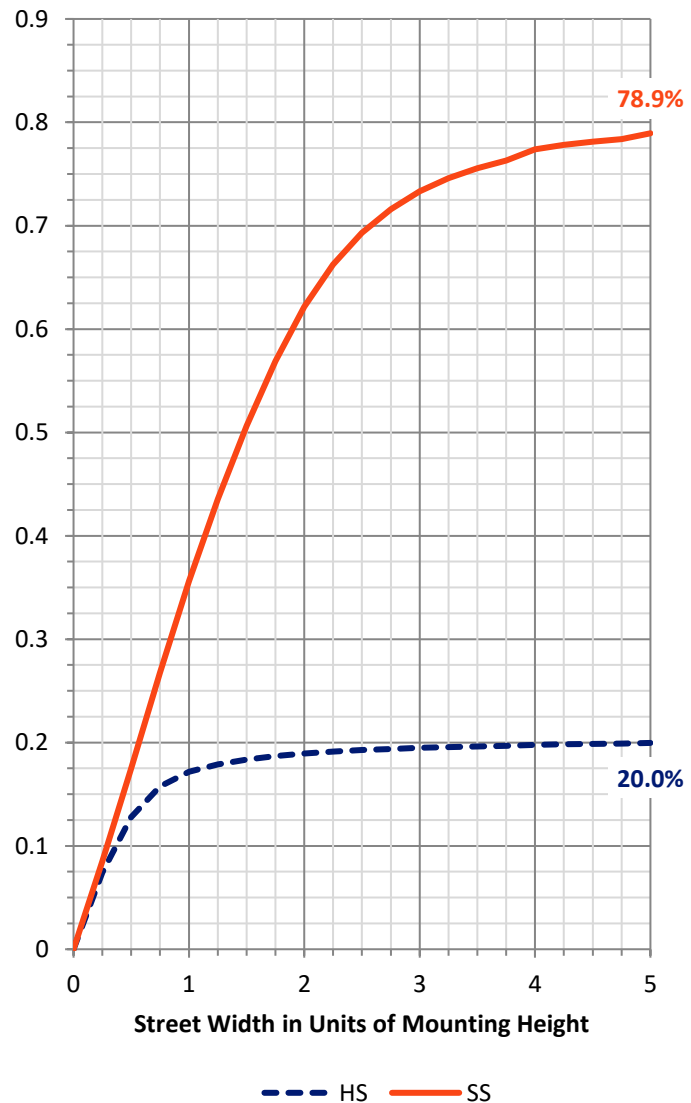
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1190.9 | 0.0 | 1190.9 |
| | % Fixture | 20.3 | 0.0 | 20.3 |
| Street Side | Lumens | 4686.4 | 0.0 | 4686.4 |
| | % Fixture | 79.7 | 0.0 | 79.7 |
| Total | Lumens | 5877.2 | 0.0 | 5877.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 76.3 | 1.3 |
| 10°-20° | 229.0 | 3.9 |
| 20°-30° | 389.2 | 6.6 |
| 30°-40° | 584.9 | 10.0 |
| 40°-50° | 760.5 | 12.9 |
| 50°-60° | 1044.2 | 17.8 |
| 60°-70° | 1647.2 | 28.0 |
| 70°-80° | 995.3 | 16.9 |
| 80°-90° | 150.8 | 2.6 |
| 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° | 5877.2 | 100.0 |
| 0°-180° | 5877.2 | 100.0 |

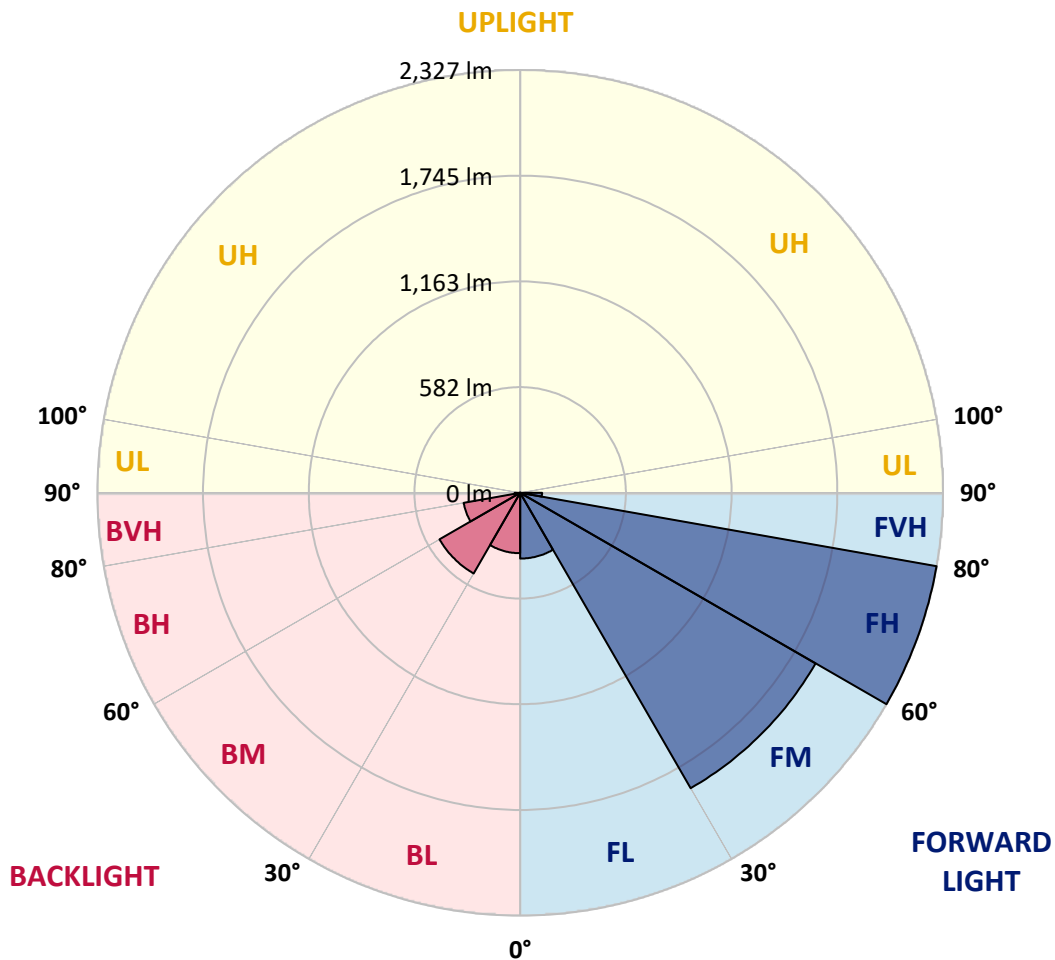


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 CATALOG NUMBER: LDRV-T4-E02-E

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 361.9 | 6.2 | | | |
| FM | (30°-60°) | 1877.1 | 31.9 | | | |
| FH | (60°-80°) | 2326.9 | 39.6 | | | G2/5000 |
| FVH | (80°-90°) | 120.4 | 2.0 | | | G2/225 |
| BL | (0°-30°) | 332.5 | 5.7 | B1/500 | | |
| BM | (30°-60°) | 512.5 | 8.7 | B1/1000 | | |
| BH | (60°-80°) | 315.5 | 5.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 30.4 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 |
| 2.5° | 773.6 | 775.2 | 774.0 | 774.0 | 774.4 | 774.8 | 775.6 | 777.2 | 777.6 | 780.0 | 780.4 |
| 5° | 758.0 | 758.4 | 758.4 | 758.8 | 761.2 | 763.2 | 765.2 | 768.0 | 770.4 | 774.8 | 777.6 |
| 7.5° | 752.4 | 754.0 | 753.6 | 754.4 | 756.8 | 758.8 | 761.2 | 765.2 | 771.2 | 774.8 | 778.8 |
| 10° | 761.6 | 762.8 | 761.6 | 762.0 | 762.4 | 764.4 | 765.2 | 768.0 | 772.8 | 776.0 | 779.6 |
| 12.5° | 782.8 | 782.8 | 781.6 | 780.8 | 779.6 | 780.0 | 778.4 | 778.0 | 780.4 | 780.8 | 781.2 |
| 15° | 810.8 | 814.0 | 810.0 | 806.8 | 805.2 | 803.6 | 798.4 | 796.4 | 796.0 | 792.4 | 788.8 |
| 17.5° | 839.2 | 840.0 | 837.6 | 834.0 | 831.6 | 828.0 | 823.6 | 819.6 | 814.8 | 809.2 | 802.0 |
| 20° | 870.8 | 871.2 | 868.0 | 862.8 | 860.0 | 855.6 | 850.0 | 843.2 | 837.2 | 828.4 | 820.4 |
| 22.5° | 914.8 | 914.4 | 908.0 | 903.6 | 899.6 | 894.4 | 886.4 | 877.2 | 867.6 | 857.2 | 846.0 |
| 25° | 965.2 | 965.2 | 960.8 | 953.6 | 951.6 | 944.0 | 935.2 | 924.4 | 914.4 | 899.6 | 886.0 |
| 27.5° | 1022.8 | 1023.2 | 1015.2 | 1011.2 | 1006.8 | 998.8 | 992.8 | 984.4 | 970.8 | 956.0 | 942.0 |
| 30° | 1091.2 | 1089.2 | 1082.8 | 1074.4 | 1072.8 | 1066.4 | 1058.0 | 1052.0 | 1035.2 | 1024.8 | 1009.2 |
| 32.5° | 1156.0 | 1159.2 | 1157.6 | 1148.0 | 1149.6 | 1143.2 | 1136.0 | 1131.6 | 1114.0 | 1104.0 | 1089.6 |
| 35° | 1252.8 | 1255.6 | 1258.0 | 1254.4 | 1256.4 | 1252.8 | 1246.8 | 1235.2 | 1220.8 | 1207.6 | 1187.6 |
| 37.5° | 1328.0 | 1330.8 | 1332.4 | 1341.2 | 1354.0 | 1366.4 | 1372.0 | 1366.0 | 1366.8 | 1346.8 | 1320.0 |
| 40° | 1389.6 | 1396.4 | 1406.0 | 1422.8 | 1448.4 | 1472.0 | 1484.8 | 1494.8 | 1500.0 | 1481.2 | 1446.4 |
| 42.5° | 1451.2 | 1458.4 | 1471.6 | 1498.4 | 1533.6 | 1567.6 | 1594.4 | 1625.2 | 1630.8 | 1626.0 | 1596.4 |
| 45° | 1515.6 | 1524.0 | 1540.4 | 1570.8 | 1612.0 | 1656.4 | 1699.6 | 1743.2 | 1765.2 | 1768.8 | 1732.8 |
| 47.5° | 1593.2 | 1605.2 | 1620.4 | 1654.8 | 1694.8 | 1744.8 | 1798.8 | 1854.8 | 1889.2 | 1889.2 | 1847.6 |
| 50° | 1690.0 | 1703.6 | 1716.4 | 1750.8 | 1790.8 | 1842.4 | 1904.8 | 1967.2 | 2014.0 | 2016.8 | 1966.4 |
| 52.5° | 1825.6 | 1827.6 | 1835.2 | 1866.8 | 1901.6 | 1959.2 | 2018.4 | 2090.8 | 2144.8 | 2147.2 | 2089.2 |
| 55° | 1990.4 | 1990.4 | 1999.2 | 2025.6 | 2058.0 | 2105.6 | 2166.8 | 2247.2 | 2304.0 | 2316.4 | 2242.0 |
| 57.5° | 2207.2 | 2215.2 | 2219.6 | 2250.4 | 2272.4 | 2322.8 | 2374.0 | 2461.6 | 2534.0 | 2542.0 | 2466.4 |
| 60° | 2560.0 | 2544.8 | 2569.2 | 2596.4 | 2648.0 | 2684.8 | 2772.0 | 2860.0 | 2952.4 | 2974.4 | 2893.2 |
| 62.5° | 2907.6 | 2924.0 | 2954.0 | 3003.2 | 3091.6 | 3174.0 | 3298.8 | 3432.4 | 3576.0 | 3605.6 | 3543.6 |
| 65° | 2929.2 | 2939.2 | 2980.8 | 3065.6 | 3186.4 | 3333.2 | 3505.2 | 3706.4 | 3920.4 | 4031.2 | 3927.2 |
| 67° | 2774.0 | 2776.8 | 2824.0 | 2920.4 | 3065.2 | 3239.2 | 3442.8 | 3688.4 | 3939.6 | 4092.0 | 4014.4 |
| 67.5° | 2724.8 | 2730.0 | 2776.4 | 2874.8 | 3021.2 | 3199.2 | 3406.8 | 3659.2 | 3916.4 | 4075.6 | 4005.6 |
| 70° | 2436.0 | 2436.0 | 2486.0 | 2585.2 | 2722.4 | 2896.0 | 3113.2 | 3368.0 | 3647.6 | 3781.6 | 3722.0 |
| 72.5° | 2073.6 | 2060.4 | 2116.8 | 2192.0 | 2304.0 | 2455.6 | 2630.4 | 2831.6 | 3042.0 | 3139.6 | 3116.0 |
| 75° | 1507.2 | 1532.0 | 1561.2 | 1616.8 | 1714.0 | 1833.6 | 1936.0 | 2115.6 | 2280.8 | 2388.8 | 2360.4 |
| 77.5° | 822.4 | 832.0 | 912.8 | 946.0 | 1031.2 | 1120.0 | 1232.4 | 1358.4 | 1488.4 | 1556.4 | 1528.8 |
| 80° | 488.8 | 507.6 | 555.6 | 595.2 | 641.2 | 708.8 | 790.4 | 818.0 | 843.6 | 842.0 | 792.0 |
| 82.5° | 308.8 | 331.6 | 383.6 | 417.6 | 441.6 | 480.8 | 525.2 | 560.0 | 567.6 | 530.0 | 472.0 |
| 85° | 50.0 | 82.8 | 216.4 | 254.4 | 269.6 | 290.8 | 323.6 | 338.4 | 316.0 | 276.0 | 286.0 |
| 87.5° | 19.6 | 23.6 | 66.0 | 83.6 | 88.4 | 46.4 | 80.4 | 94.4 | 48.0 | 24.4 | 55.2 |
| 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: LDRV-T4-E02-E

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 |
| 2.5° | 782.8 | 784.8 | 786.8 | 789.2 | 790.0 | 792.0 | 795.6 | 795.2 | 798.0 | 799.2 | 801.2 |
| 5° | 781.2 | 785.6 | 788.8 | 793.2 | 794.8 | 799.2 | 804.0 | 805.6 | 809.2 | 812.0 | 814.4 |
| 7.5° | 784.4 | 789.2 | 793.2 | 798.4 | 802.0 | 805.6 | 809.2 | 813.6 | 816.8 | 818.8 | 820.4 |
| 10° | 785.6 | 790.8 | 795.6 | 800.0 | 804.0 | 806.8 | 810.8 | 814.4 | 817.6 | 818.8 | 819.2 |
| 12.5° | 786.0 | 789.6 | 794.4 | 799.2 | 802.8 | 806.4 | 809.2 | 813.2 | 815.6 | 816.0 | 815.2 |
| 15° | 789.2 | 789.6 | 792.8 | 798.4 | 802.0 | 805.6 | 807.6 | 809.6 | 811.2 | 810.0 | 808.8 |
| 17.5° | 798.8 | 796.0 | 796.0 | 798.8 | 800.8 | 802.4 | 802.8 | 802.4 | 800.8 | 798.4 | 796.4 |
| 20° | 814.4 | 808.8 | 804.4 | 802.8 | 799.6 | 795.6 | 790.4 | 785.6 | 779.6 | 776.8 | 776.4 |
| 22.5° | 838.8 | 830.4 | 822.4 | 814.4 | 804.0 | 792.4 | 780.4 | 770.0 | 761.6 | 757.2 | 757.6 |
| 25° | 880.4 | 868.0 | 858.8 | 844.8 | 828.0 | 811.6 | 796.0 | 782.0 | 772.0 | 764.0 | 765.6 |
| 27.5° | 936.4 | 922.4 | 914.4 | 898.4 | 879.2 | 858.4 | 840.0 | 820.8 | 806.4 | 796.4 | 798.4 |
| 30° | 1002.0 | 998.0 | 984.8 | 968.8 | 950.8 | 927.2 | 899.6 | 870.8 | 844.8 | 828.4 | 825.2 |
| 32.5° | 1081.2 | 1076.8 | 1062.4 | 1048.8 | 1025.6 | 999.6 | 963.6 | 918.0 | 877.2 | 846.0 | 832.4 |
| 35° | 1178.8 | 1168.0 | 1150.4 | 1137.2 | 1111.2 | 1077.6 | 1031.2 | 969.6 | 907.6 | 860.8 | 826.8 |
| 37.5° | 1300.4 | 1273.6 | 1244.4 | 1210.0 | 1171.6 | 1130.8 | 1077.2 | 1005.2 | 928.4 | 862.0 | 801.6 |
| 40° | 1416.4 | 1373.2 | 1324.8 | 1270.4 | 1223.6 | 1174.4 | 1118.8 | 1036.4 | 942.4 | 853.6 | 763.6 |
| 42.5° | 1545.6 | 1478.4 | 1412.8 | 1338.0 | 1276.4 | 1218.0 | 1154.4 | 1058.4 | 945.2 | 830.8 | 714.4 |
| 45° | 1670.0 | 1583.6 | 1495.6 | 1403.2 | 1324.8 | 1260.0 | 1187.6 | 1077.2 | 944.4 | 806.8 | 665.6 |
| 47.5° | 1780.8 | 1677.6 | 1568.8 | 1464.8 | 1373.6 | 1302.4 | 1223.2 | 1102.8 | 955.2 | 800.0 | 633.2 |
| 50° | 1884.4 | 1765.2 | 1637.6 | 1522.0 | 1422.8 | 1350.0 | 1268.4 | 1143.2 | 988.4 | 815.6 | 628.4 |
| 52.5° | 1991.2 | 1861.6 | 1715.6 | 1591.2 | 1487.6 | 1403.2 | 1320.8 | 1194.8 | 1034.8 | 847.6 | 639.2 |
| 55° | 2130.4 | 1981.6 | 1826.0 | 1688.0 | 1569.2 | 1478.4 | 1383.2 | 1257.2 | 1084.8 | 884.8 | 659.6 |
| 57.5° | 2337.6 | 2163.6 | 1986.8 | 1838.4 | 1701.2 | 1588.0 | 1483.6 | 1339.2 | 1167.6 | 940.8 | 704.4 |
| 60° | 2709.6 | 2516.8 | 2312.0 | 2118.0 | 1960.0 | 1827.6 | 1694.8 | 1515.6 | 1320.4 | 1068.0 | 807.2 |
| 62.5° | 3317.2 | 3050.4 | 2767.2 | 2512.0 | 2294.8 | 2115.6 | 1928.4 | 1713.2 | 1485.6 | 1222.4 | 962.8 |
| 65° | 3682.4 | 3314.4 | 2954.0 | 2658.0 | 2401.2 | 2171.6 | 1945.2 | 1714.0 | 1493.6 | 1263.6 | 1032.8 |
| 67° | 3727.6 | 3324.0 | 2925.2 | 2610.0 | 2334.8 | 2084.8 | 1839.2 | 1602.8 | 1405.6 | 1212.8 | 1013.6 |
| 67.5° | 3714.0 | 3304.8 | 2898.0 | 2579.6 | 2301.6 | 2059.6 | 1818.0 | 1576.0 | 1384.0 | 1191.2 | 999.2 |
| 70° | 3446.0 | 3045.6 | 2643.2 | 2333.6 | 2067.2 | 1819.6 | 1591.2 | 1348.8 | 1200.4 | 1062.4 | 896.4 |
| 72.5° | 2860.0 | 2547.6 | 2210.4 | 1952.4 | 1722.4 | 1508.0 | 1307.2 | 1104.4 | 985.2 | 887.6 | 770.8 |
| 75° | 2120.8 | 1834.4 | 1549.2 | 1394.0 | 1215.6 | 1044.0 | 888.8 | 738.8 | 692.8 | 669.6 | 600.8 |
| 77.5° | 1309.6 | 1052.4 | 837.6 | 697.2 | 554.4 | 434.4 | 345.6 | 281.2 | 293.2 | 341.2 | 363.2 |
| 80° | 652.0 | 481.6 | 372.8 | 296.4 | 239.6 | 193.6 | 142.0 | 104.0 | 124.4 | 147.6 | 167.2 |
| 82.5° | 392.4 | 310.0 | 245.2 | 207.6 | 168.8 | 130.4 | 92.4 | 70.4 | 78.0 | 104.8 | 115.2 |
| 85° | 243.6 | 195.2 | 156.0 | 130.4 | 108.0 | 80.0 | 52.4 | 52.0 | 55.2 | 69.6 | 79.6 |
| 87.5° | 71.6 | 48.4 | 38.4 | 40.0 | 44.4 | 36.8 | 27.6 | 23.6 | 29.2 | 40.0 | 44.8 |
| 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: LDRV-T4-E02-E

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 | 791.2 |
| 2.5° | 801.6 | 804.4 | 805.6 | 806.0 | 806.4 | 808.8 | 808.8 | 811.2 | 812.0 | 812.0 | 812.8 |
| 5° | 816.8 | 819.6 | 820.8 | 821.2 | 822.0 | 823.2 | 822.8 | 824.4 | 825.2 | 824.8 | 824.8 |
| 7.5° | 822.4 | 823.2 | 823.2 | 824.4 | 825.6 | 824.4 | 823.6 | 824.4 | 824.0 | 824.4 | 824.4 |
| 10° | 820.4 | 819.6 | 819.6 | 818.8 | 820.0 | 817.6 | 817.6 | 818.4 | 818.0 | 818.8 | 820.0 |
| 12.5° | 815.6 | 815.2 | 814.0 | 813.6 | 815.2 | 813.6 | 814.0 | 815.2 | 816.0 | 817.6 | 819.6 |
| 15° | 808.8 | 807.6 | 807.6 | 809.2 | 813.2 | 814.4 | 816.0 | 818.0 | 818.4 | 819.2 | 820.0 |
| 17.5° | 797.2 | 799.2 | 804.0 | 809.6 | 817.2 | 820.0 | 820.8 | 819.6 | 815.6 | 812.4 | 809.2 |
| 20° | 781.2 | 790.0 | 802.4 | 814.4 | 823.6 | 823.2 | 818.0 | 810.4 | 800.8 | 794.0 | 789.6 |
| 22.5° | 767.6 | 784.8 | 804.0 | 818.4 | 824.4 | 816.8 | 804.8 | 793.2 | 782.0 | 772.0 | 763.2 |
| 25° | 777.2 | 793.6 | 810.0 | 818.8 | 818.4 | 805.2 | 789.2 | 776.4 | 761.2 | 747.2 | 732.4 |
| 27.5° | 808.4 | 818.4 | 823.2 | 820.4 | 812.0 | 794.4 | 776.8 | 758.8 | 739.2 | 722.4 | 705.2 |
| 30° | 829.6 | 829.6 | 824.8 | 813.6 | 798.8 | 779.2 | 757.6 | 734.4 | 711.2 | 691.6 | 672.0 |
| 32.5° | 822.8 | 807.2 | 793.2 | 778.0 | 761.2 | 740.0 | 715.2 | 690.0 | 663.6 | 640.8 | 624.0 |
| 35° | 793.2 | 759.6 | 730.4 | 708.8 | 691.2 | 666.0 | 637.2 | 608.4 | 586.8 | 571.2 | 561.6 |
| 37.5° | 740.4 | 686.8 | 644.4 | 618.0 | 590.8 | 564.8 | 531.6 | 518.4 | 499.2 | 489.6 | 486.0 |
| 40° | 676.4 | 598.0 | 544.8 | 510.8 | 482.0 | 449.6 | 427.2 | 418.8 | 411.6 | 409.6 | 408.0 |
| 42.5° | 602.8 | 504.8 | 441.6 | 406.4 | 371.6 | 348.0 | 338.0 | 332.8 | 331.6 | 331.6 | 333.6 |
| 45° | 526.4 | 410.0 | 337.2 | 308.8 | 280.0 | 267.6 | 265.2 | 262.8 | 263.2 | 262.0 | 262.8 |
| 47.5° | 467.2 | 329.2 | 254.4 | 228.4 | 213.6 | 209.6 | 206.8 | 206.0 | 206.0 | 204.0 | 201.6 |
| 50° | 436.4 | 275.2 | 199.6 | 179.2 | 170.8 | 168.0 | 168.0 | 166.4 | 163.2 | 161.2 | 156.0 |
| 52.5° | 428.4 | 247.2 | 172.8 | 155.2 | 148.0 | 145.6 | 143.2 | 140.8 | 136.0 | 131.6 | 125.6 |
| 55° | 434.8 | 238.4 | 164.4 | 148.0 | 140.0 | 137.2 | 135.2 | 131.2 | 124.4 | 118.0 | 111.2 |
| 57.5° | 461.6 | 244.0 | 167.6 | 150.0 | 142.8 | 140.8 | 138.8 | 132.8 | 124.4 | 115.2 | 107.6 |
| 60° | 534.8 | 270.4 | 181.2 | 160.8 | 154.8 | 155.2 | 152.4 | 144.8 | 132.8 | 119.6 | 108.4 |
| 62.5° | 629.2 | 307.2 | 198.8 | 176.0 | 175.2 | 179.2 | 179.2 | 166.0 | 146.4 | 126.4 | 111.2 |
| 65° | 683.2 | 318.8 | 201.2 | 178.0 | 184.8 | 196.4 | 195.6 | 178.0 | 151.2 | 126.4 | 110.0 |
| 67° | 669.6 | 306.4 | 191.2 | 166.4 | 174.4 | 187.6 | 186.0 | 169.2 | 144.0 | 121.2 | 106.8 |
| 67.5° | 658.8 | 302.4 | 188.8 | 163.6 | 171.6 | 182.4 | 182.4 | 165.6 | 140.8 | 119.6 | 105.6 |
| 70° | 580.0 | 267.2 | 176.8 | 152.8 | 152.8 | 155.6 | 153.6 | 141.6 | 124.8 | 110.0 | 100.8 |
| 72.5° | 483.6 | 233.6 | 167.2 | 145.2 | 137.6 | 136.0 | 133.2 | 124.8 | 114.0 | 103.6 | 95.6 |
| 75° | 374.8 | 206.8 | 159.6 | 137.2 | 127.2 | 123.6 | 120.8 | 114.4 | 106.0 | 97.2 | 90.4 |
| 77.5° | 262.4 | 177.2 | 149.6 | 130.4 | 119.6 | 116.8 | 112.4 | 105.2 | 98.4 | 90.8 | 84.4 |
| 80° | 162.8 | 146.4 | 130.4 | 117.6 | 106.4 | 102.4 | 96.8 | 90.4 | 84.8 | 80.4 | 75.6 |
| 82.5° | 116.0 | 107.6 | 97.2 | 90.4 | 78.8 | 66.8 | 71.6 | 72.0 | 68.4 | 65.6 | 64.4 |
| 85° | 77.6 | 70.0 | 64.8 | 58.8 | 52.0 | 46.8 | 48.0 | 51.6 | 52.0 | 50.8 | 50.8 |
| 87.5° | 42.4 | 36.0 | 34.8 | 36.0 | 31.2 | 29.6 | 30.0 | 33.2 | 33.6 | 33.6 | 34.0 |
| 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):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 791.2 | 791.2 | 791.2 | 791.2 |
| 2.5° | 813.2 | 814.4 | 814.0 | 814.8 |
| 5° | 825.6 | 826.4 | 826.0 | 826.4 |
| 7.5° | 823.6 | 825.2 | 826.0 | 824.8 |
| 10° | 820.4 | 822.8 | 824.4 | 824.4 |
| 12.5° | 821.2 | 825.2 | 827.6 | 827.6 |
| 15° | 820.4 | 823.6 | 824.4 | 824.4 |
| 17.5° | 808.0 | 808.0 | 808.4 | 806.8 |
| 20° | 786.4 | 784.0 | 783.2 | 780.4 |
| 22.5° | 755.6 | 750.0 | 746.4 | 744.4 |
| 25° | 720.4 | 711.6 | 706.0 | 702.8 |
| 27.5° | 691.2 | 683.6 | 678.0 | 674.8 |
| 30° | 658.8 | 650.0 | 646.8 | 644.4 |
| 32.5° | 612.0 | 603.6 | 601.2 | 599.2 |
| 35° | 551.2 | 548.4 | 542.0 | 537.6 |
| 37.5° | 480.8 | 477.2 | 474.8 | 473.2 |
| 40° | 407.2 | 407.6 | 405.6 | 402.0 |
| 42.5° | 333.6 | 337.6 | 333.6 | 332.8 |
| 45° | 262.0 | 266.4 | 266.4 | 267.6 |
| 47.5° | 202.0 | 201.2 | 202.8 | 203.2 |
| 50° | 152.8 | 150.4 | 149.6 | 148.4 |
| 52.5° | 121.2 | 118.4 | 116.8 | 114.8 |
| 55° | 106.8 | 103.6 | 102.0 | 101.6 |
| 57.5° | 102.0 | 98.0 | 95.6 | 95.2 |
| 60° | 100.8 | 95.2 | 92.0 | 91.2 |
| 62.5° | 100.8 | 94.0 | 90.4 | 89.2 |
| 65° | 99.6 | 92.8 | 89.6 | 88.4 |
| 67° | 98.0 | 92.0 | 88.8 | 88.0 |
| 67.5° | 97.2 | 91.6 | 88.8 | 87.6 |
| 70° | 95.2 | 90.4 | 87.2 | 86.0 |
| 72.5° | 90.8 | 86.8 | 83.6 | 82.8 |
| 75° | 86.0 | 82.4 | 80.4 | 79.6 |
| 77.5° | 80.4 | 77.2 | 74.8 | 72.8 |
| 80° | 72.0 | 68.4 | 64.8 | 64.0 |
| 82.5° | 61.2 | 57.2 | 54.4 | 54.0 |
| 85° | 49.2 | 46.0 | 42.8 | 42.8 |
| 87.5° | 34.4 | 32.4 | 30.4 | 28.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)