

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: P163517

Luminaire Tested: **LDRL-SL3-E02-E-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P163517
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL3-E02-E-HSS
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3363.6 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

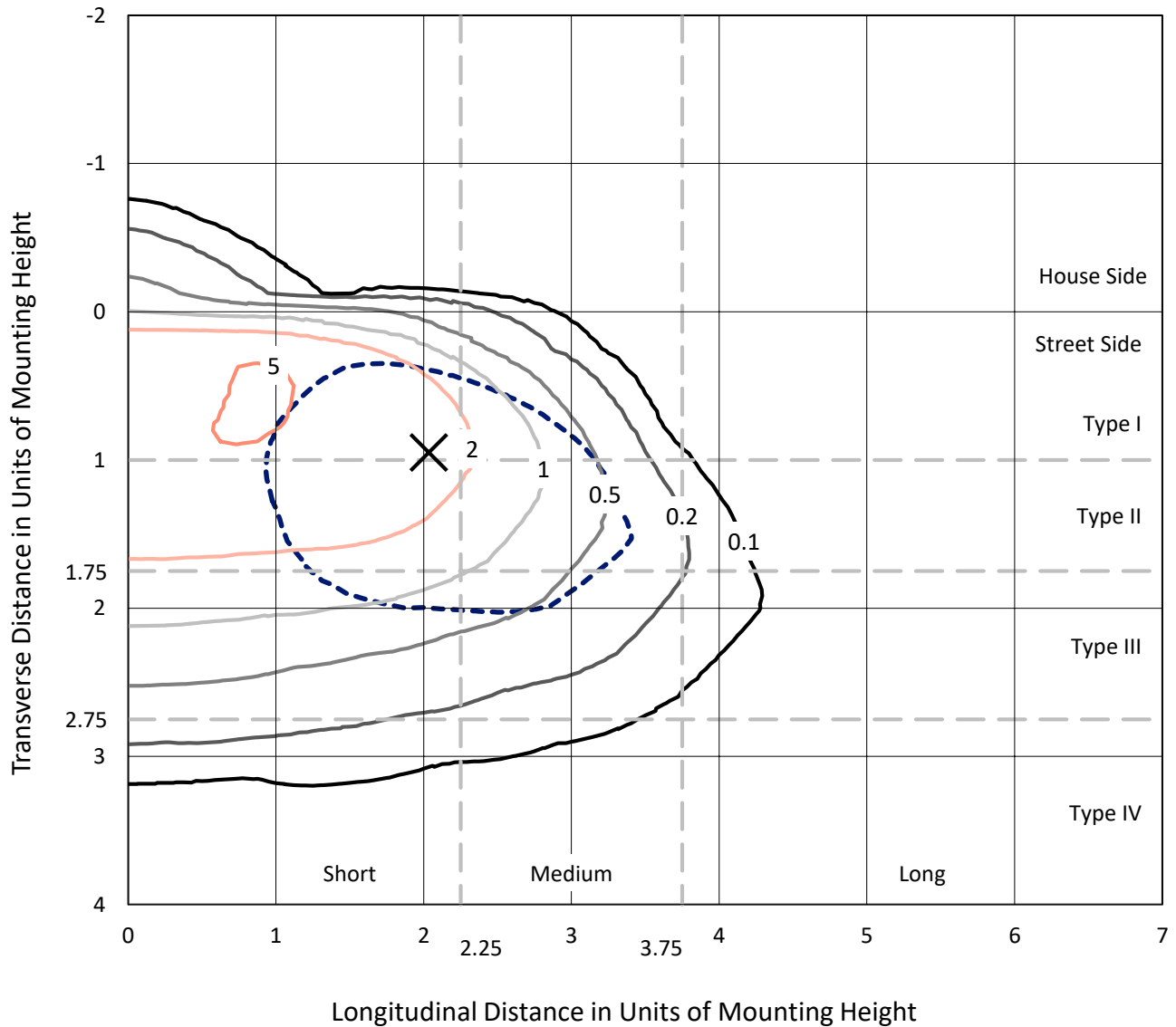
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

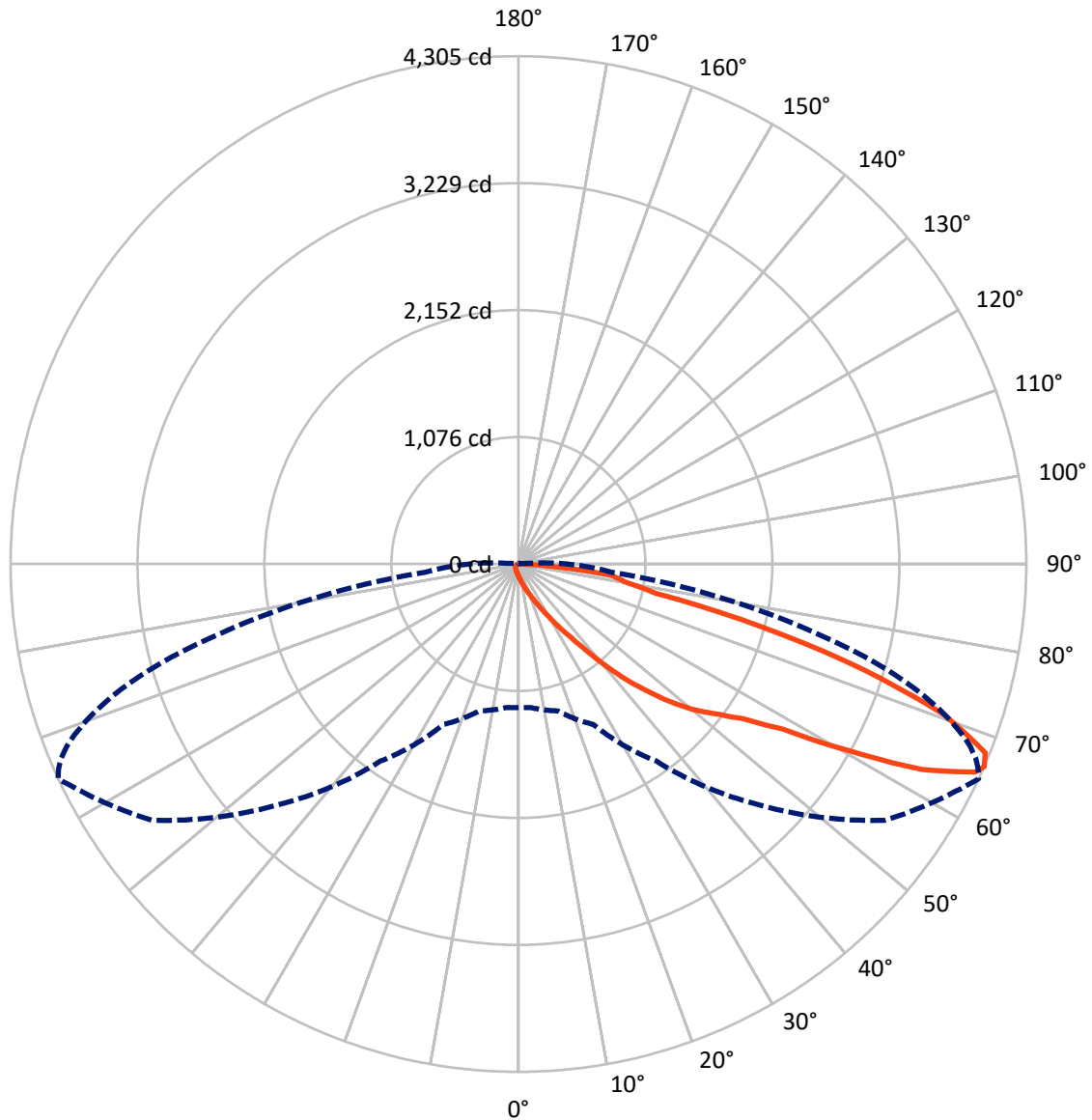
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 72.9 | 0.0 | 72.9 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 3290.7 | 0.0 | 3290.7 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 3363.6 | 0.0 | 3363.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.4 | 0.3 |
| 10°-20° | 48.2 | 1.4 |
| 20°-30° | 103.9 | 3.1 |
| 30°-40° | 222.0 | 6.6 |
| 40°-50° | 490.9 | 14.6 |
| 50°-60° | 831.9 | 24.7 |
| 60°-70° | 1110.1 | 33.0 |
| 70°-80° | 489.0 | 14.5 |
| 80°-90° | 56.3 | 1.7 |
| 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° | 3363.6 | 100.0 |
| 0°-180° | 3363.6 | 100.0 |



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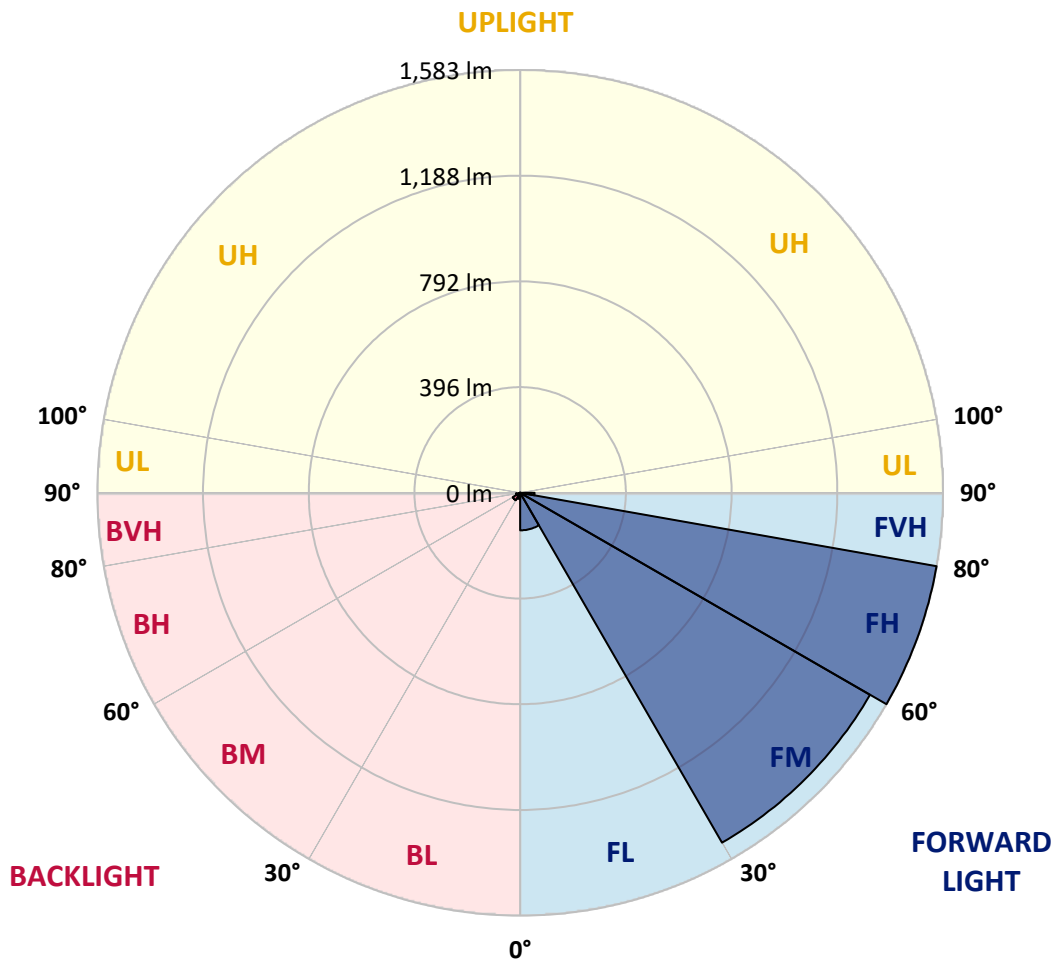
CATALOG NUMBER: LDRL-SL3-E02-E-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 140.5 | 4.2 | | | |
| FM | (30°-60°) | 1512.7 | 45.0 | | | |
| FH | (60°-80°) | 1583.4 | 47.1 | | | G1/1800 |
| FVH | (80°-90°) | 54.1 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 23.0 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 32.0 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 15.6 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 2.2 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Short





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CATALOG NUMBER: LDRL-SL3-E02-E-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 |
| 2.5° | 128.0 | 127.4 | 124.8 | 124.8 | 120.9 | 118.3 | 115.1 | 111.9 | 111.9 | 111.2 | 110.6 |
| 5° | 169.4 | 165.6 | 164.9 | 157.8 | 152.0 | 143.6 | 135.8 | 125.4 | 124.2 | 122.9 | 122.2 |
| 7.5° | 215.3 | 214.7 | 208.9 | 200.5 | 188.8 | 173.3 | 157.8 | 141.0 | 138.4 | 137.1 | 134.5 |
| 10° | 274.8 | 271.6 | 263.8 | 249.6 | 232.2 | 211.4 | 186.2 | 159.7 | 156.5 | 153.9 | 152.6 |
| 12.5° | 331.7 | 325.9 | 321.4 | 303.3 | 281.3 | 250.9 | 220.5 | 182.4 | 179.8 | 176.5 | 171.4 |
| 15° | 384.8 | 379.6 | 371.8 | 356.3 | 331.7 | 293.6 | 258.0 | 211.4 | 205.0 | 200.5 | 196.6 |
| 17.5° | 426.2 | 422.9 | 413.9 | 396.4 | 369.9 | 336.3 | 293.6 | 241.2 | 236.0 | 230.2 | 223.1 |
| 20° | 465.6 | 461.1 | 446.8 | 422.9 | 394.5 | 368.6 | 335.6 | 280.0 | 272.9 | 265.8 | 258.0 |
| 22.5° | 503.1 | 498.6 | 475.3 | 435.8 | 405.4 | 394.5 | 382.8 | 324.0 | 313.0 | 307.2 | 299.4 |
| 25° | 555.5 | 545.8 | 509.6 | 446.8 | 406.1 | 414.5 | 434.6 | 380.9 | 370.5 | 362.1 | 349.8 |
| 27.5° | 626.0 | 613.0 | 556.1 | 463.0 | 408.7 | 436.5 | 494.0 | 450.1 | 439.1 | 429.4 | 415.8 |
| 30° | 705.5 | 697.1 | 629.2 | 501.8 | 427.4 | 468.8 | 560.6 | 538.0 | 525.1 | 513.4 | 497.3 |
| 32.5° | 785.7 | 774.0 | 706.8 | 575.5 | 477.9 | 531.6 | 644.1 | 640.2 | 623.4 | 612.4 | 594.9 |
| 35° | 856.2 | 850.4 | 800.6 | 696.4 | 593.0 | 641.5 | 755.3 | 759.8 | 745.0 | 733.3 | 713.9 |
| 37.5° | 904.0 | 904.0 | 894.3 | 826.4 | 776.0 | 812.2 | 918.9 | 919.6 | 904.7 | 878.2 | 868.5 |
| 40° | 928.6 | 935.7 | 970.6 | 983.6 | 981.0 | 1027.6 | 1133.6 | 1122.0 | 1109.7 | 1096.1 | 1063.8 |
| 42.5° | 979.0 | 985.5 | 1059.9 | 1149.1 | 1207.3 | 1268.8 | 1341.8 | 1337.9 | 1323.1 | 1298.5 | 1268.8 |
| 45° | 1064.4 | 1072.8 | 1161.4 | 1303.0 | 1422.6 | 1510.0 | 1556.5 | 1538.4 | 1523.5 | 1500.2 | 1484.7 |
| 47.5° | 1173.0 | 1189.2 | 1289.4 | 1464.7 | 1608.9 | 1753.1 | 1801.6 | 1753.8 | 1740.8 | 1722.7 | 1697.5 |
| 50° | 1288.8 | 1304.3 | 1411.0 | 1611.5 | 1774.4 | 1946.4 | 2027.3 | 1946.4 | 1927.7 | 1921.9 | 1893.4 |
| 52.5° | 1389.0 | 1402.0 | 1504.8 | 1724.6 | 1901.2 | 2102.9 | 2220.6 | 2113.9 | 2100.4 | 2081.0 | 2060.2 |
| 55° | 1448.5 | 1458.9 | 1555.2 | 1779.0 | 1987.2 | 2243.9 | 2407.5 | 2313.8 | 2293.7 | 2286.0 | 2256.2 |
| 57.5° | 1468.6 | 1478.9 | 1565.6 | 1786.1 | 2033.8 | 2372.6 | 2634.5 | 2637.7 | 2613.8 | 2586.0 | 2577.0 |
| 60° | 1468.6 | 1480.2 | 1553.3 | 1768.6 | 2079.0 | 2509.7 | 2937.1 | 3206.8 | 3155.0 | 3149.9 | 3116.9 |
| 62.5° | 1407.8 | 1418.8 | 1492.5 | 1715.0 | 2139.8 | 2694.6 | 3358.8 | 3834.7 | 3819.8 | 3786.2 | 3731.9 |
| 65° | 1275.9 | 1282.3 | 1354.8 | 1577.8 | 2116.5 | 2864.7 | 3724.1 | 4252.4 | 4228.5 | 4162.6 | 4092.7 |
| 66° | 1216.4 | 1221.6 | 1289.4 | 1499.6 | 2040.2 | 2888.0 | 3788.8 | 4304.8 | 4265.4 | 4209.8 | 4130.9 |
| 67.5° | 1130.4 | 1139.4 | 1187.3 | 1354.1 | 1857.2 | 2807.2 | 3748.0 | 4268.0 | 4233.7 | 4166.4 | 4087.5 |
| 70° | 754.6 | 748.2 | 917.0 | 1039.2 | 1414.9 | 2287.2 | 3362.6 | 3832.1 | 3832.8 | 3801.1 | 3769.4 |
| 72.5° | 358.2 | 362.1 | 411.3 | 639.6 | 926.0 | 1528.0 | 2676.5 | 3058.7 | 3102.7 | 3045.8 | 3006.3 |
| 75° | 257.4 | 263.2 | 292.9 | 391.2 | 552.2 | 917.0 | 1735.0 | 2139.2 | 2140.4 | 2039.6 | 1949.7 |
| 77.5° | 75.0 | 78.2 | 109.9 | 241.2 | 413.9 | 618.8 | 996.5 | 1189.2 | 1161.4 | 1089.0 | 1021.1 |
| 80° | 31.0 | 31.0 | 32.3 | 77.0 | 166.2 | 420.3 | 697.1 | 915.7 | 912.4 | 884.6 | 844.5 |
| 82.5° | 11.6 | 12.3 | 15.5 | 31.7 | 39.4 | 103.5 | 465.0 | 794.8 | 792.8 | 753.4 | 724.9 |
| 85° | 1.3 | 1.3 | 3.9 | 13.6 | 14.9 | 19.4 | 93.1 | 350.5 | 348.6 | 350.5 | 307.2 |
| 87.5° | 0.0 | 0.0 | 0.6 | 1.3 | 1.9 | 2.6 | 3.9 | 13.6 | 14.9 | 14.2 | 12.9 |
| 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: LDRL-SL3-E02-E-HSS

CANDELA DISTRIBUTION (continued):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 |
| 2.5° | 110.6 | 109.3 | 109.3 | 108.6 | 108.6 | 108.6 | 108.0 | 107.4 | 107.4 | 106.7 | 106.0 |
| 5° | 120.9 | 119.6 | 119.0 | 117.7 | 117.0 | 116.4 | 115.1 | 114.4 | 113.2 | 112.5 | 111.9 |
| 7.5° | 133.2 | 130.6 | 130.0 | 128.0 | 126.1 | 124.8 | 123.5 | 121.6 | 120.3 | 117.7 | 117.0 |
| 10° | 148.7 | 145.5 | 142.9 | 140.3 | 138.4 | 135.2 | 133.2 | 130.6 | 128.0 | 126.1 | 124.2 |
| 12.5° | 168.8 | 164.2 | 160.4 | 157.8 | 153.2 | 149.4 | 145.5 | 143.6 | 138.4 | 135.8 | 132.6 |
| 15° | 190.8 | 185.6 | 181.1 | 175.9 | 172.6 | 166.2 | 161.0 | 155.2 | 152.6 | 148.1 | 142.9 |
| 17.5° | 219.2 | 210.8 | 203.7 | 198.5 | 192.0 | 185.6 | 179.8 | 174.0 | 166.2 | 161.0 | 154.6 |
| 20° | 249.6 | 242.5 | 232.8 | 223.8 | 216.0 | 208.2 | 199.8 | 192.0 | 185.0 | 176.5 | 168.8 |
| 22.5° | 288.4 | 278.1 | 266.4 | 257.4 | 247.0 | 238.6 | 227.0 | 216.6 | 205.0 | 194.0 | 185.0 |
| 25° | 337.6 | 324.0 | 313.0 | 300.0 | 287.8 | 274.8 | 260.6 | 247.7 | 232.8 | 222.4 | 206.9 |
| 27.5° | 398.4 | 385.4 | 370.5 | 353.7 | 341.4 | 322.0 | 303.3 | 287.1 | 269.6 | 253.5 | 236.0 |
| 30° | 476.0 | 457.2 | 441.7 | 425.5 | 400.9 | 382.2 | 360.2 | 338.2 | 314.3 | 298.1 | 271.6 |
| 32.5° | 569.1 | 549.0 | 525.7 | 502.4 | 479.8 | 453.3 | 426.2 | 399.0 | 372.5 | 342.7 | 315.6 |
| 35° | 682.9 | 659.0 | 632.4 | 607.2 | 572.3 | 543.8 | 509.6 | 472.1 | 442.3 | 408.0 | 373.8 |
| 37.5° | 833.6 | 794.1 | 770.8 | 744.3 | 697.1 | 658.3 | 620.2 | 582.6 | 530.3 | 494.0 | 445.6 |
| 40° | 1022.4 | 999.1 | 960.9 | 918.2 | 875.6 | 824.5 | 772.8 | 723.0 | 662.2 | 611.8 | 555.5 |
| 42.5° | 1244.2 | 1209.9 | 1171.1 | 1109.7 | 1066.4 | 1006.2 | 947.4 | 881.4 | 807.0 | 742.4 | 676.4 |
| 45° | 1452.4 | 1411.6 | 1381.9 | 1320.5 | 1275.2 | 1204.1 | 1133.0 | 1063.1 | 977.1 | 893.7 | 817.4 |
| 47.5° | 1677.4 | 1643.8 | 1594.7 | 1544.9 | 1499.0 | 1418.8 | 1341.8 | 1257.1 | 1166.6 | 1067.6 | 968.7 |
| 50° | 1875.3 | 1848.8 | 1815.2 | 1755.0 | 1704.0 | 1636.7 | 1546.2 | 1453.7 | 1339.2 | 1241.0 | 1128.4 |
| 52.5° | 2043.4 | 2022.8 | 1975.6 | 1932.9 | 1887.0 | 1823.6 | 1742.8 | 1654.2 | 1530.6 | 1422.6 | 1294.6 |
| 55° | 2242.0 | 2227.1 | 2185.7 | 2159.2 | 2118.4 | 2057.7 | 1982.0 | 1899.9 | 1769.3 | 1651.6 | 1506.7 |
| 57.5° | 2567.2 | 2555.6 | 2519.4 | 2508.4 | 2468.3 | 2415.3 | 2322.2 | 2234.2 | 2081.6 | 1935.4 | 1769.9 |
| 60° | 3105.9 | 3082.6 | 3029.6 | 3002.4 | 2917.7 | 2846.6 | 2725.7 | 2604.8 | 2420.4 | 2234.2 | 2035.0 |
| 62.5° | 3682.7 | 3617.4 | 3516.5 | 3429.9 | 3309.6 | 3186.1 | 3024.4 | 2839.5 | 2623.5 | 2402.4 | 2173.4 |
| 65° | 3993.8 | 3882.6 | 3755.2 | 3617.4 | 3461.6 | 3279.8 | 3076.2 | 2854.4 | 2622.2 | 2388.8 | 2146.9 |
| 66° | 4029.3 | 3903.9 | 3768.7 | 3615.5 | 3442.2 | 3248.8 | 3041.9 | 2809.1 | 2567.9 | 2340.3 | 2098.4 |
| 67.5° | 3984.7 | 3853.4 | 3710.5 | 3540.5 | 3352.9 | 3152.5 | 2935.2 | 2693.3 | 2461.2 | 2230.3 | 1995.0 |
| 70° | 3672.4 | 3541.8 | 3414.4 | 3235.2 | 3035.4 | 2833.7 | 2628.0 | 2357.7 | 2137.8 | 1925.8 | 1716.2 |
| 72.5° | 2932.6 | 2844.0 | 2717.9 | 2564.6 | 2370.0 | 2133.3 | 1962.0 | 1720.1 | 1529.4 | 1323.7 | 1161.4 |
| 75° | 1832.6 | 1707.8 | 1552.0 | 1356.7 | 1208.0 | 1015.9 | 915.7 | 732.0 | 623.4 | 528.3 | 436.5 |
| 77.5° | 937.0 | 843.2 | 734.0 | 624.0 | 518.6 | 413.9 | 320.1 | 226.3 | 152.6 | 106.0 | 78.9 |
| 80° | 774.0 | 691.3 | 600.8 | 500.5 | 407.4 | 316.2 | 227.6 | 155.2 | 98.9 | 64.7 | 50.4 |
| 82.5° | 639.6 | 569.7 | 488.9 | 395.8 | 314.9 | 248.3 | 172.6 | 112.5 | 69.8 | 45.3 | 35.6 |
| 85° | 272.2 | 247.0 | 190.8 | 151.3 | 113.8 | 84.1 | 58.8 | 39.4 | 27.8 | 22.6 | 20.7 |
| 87.5° | 11.6 | 12.9 | 12.3 | 9.7 | 7.1 | 7.1 | 6.5 | 5.2 | 5.2 | 5.2 | 5.2 |
| 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: LDRL-SL3-E02-E-HSS

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 |
| 2.5° | 106.0 | 105.4 | 104.8 | 104.8 | 104.1 | 103.5 | 99.6 | 96.4 | 92.5 | 89.9 | 87.3 |
| 5° | 110.6 | 109.9 | 108.6 | 108.0 | 106.7 | 106.0 | 97.6 | 90.5 | 84.7 | 80.2 | 77.0 |
| 7.5° | 115.1 | 114.4 | 112.5 | 110.6 | 109.9 | 108.6 | 95.0 | 86.0 | 78.2 | 73.1 | 69.8 |
| 10° | 120.9 | 119.0 | 117.0 | 114.4 | 112.5 | 110.6 | 92.5 | 80.8 | 72.4 | 67.9 | 64.7 |
| 12.5° | 129.3 | 126.1 | 122.9 | 119.6 | 117.0 | 113.8 | 91.2 | 76.3 | 67.9 | 62.7 | 59.5 |
| 15° | 139.0 | 134.5 | 130.6 | 126.8 | 122.2 | 119.0 | 88.6 | 72.4 | 64.0 | 58.8 | 55.0 |
| 17.5° | 148.1 | 142.9 | 137.1 | 131.3 | 126.8 | 122.2 | 86.0 | 68.6 | 60.1 | 55.0 | 51.1 |
| 20° | 161.0 | 153.2 | 146.2 | 139.0 | 132.6 | 126.8 | 82.1 | 64.7 | 56.9 | 51.1 | 47.2 |
| 22.5° | 175.2 | 166.2 | 157.1 | 147.4 | 139.0 | 131.3 | 78.9 | 61.4 | 53.7 | 47.8 | 43.3 |
| 25° | 193.4 | 182.4 | 170.1 | 157.8 | 148.1 | 137.7 | 75.6 | 58.2 | 50.4 | 44.6 | 40.1 |
| 27.5° | 218.6 | 203.0 | 189.5 | 174.0 | 159.1 | 147.4 | 73.1 | 55.6 | 47.2 | 41.4 | 36.8 |
| 30° | 252.8 | 230.2 | 208.9 | 192.0 | 174.6 | 157.8 | 70.5 | 52.4 | 44.6 | 38.2 | 33.0 |
| 32.5° | 291.0 | 264.5 | 239.9 | 214.7 | 192.7 | 173.3 | 67.9 | 49.8 | 41.4 | 34.9 | 30.4 |
| 35° | 338.2 | 304.6 | 271.6 | 242.5 | 216.0 | 190.1 | 65.3 | 47.2 | 38.8 | 31.7 | 27.2 |
| 37.5° | 406.1 | 364.1 | 320.8 | 283.2 | 249.0 | 214.7 | 63.4 | 44.6 | 35.6 | 28.4 | 23.9 |
| 40° | 499.2 | 444.9 | 391.9 | 340.8 | 296.2 | 253.5 | 60.8 | 42.0 | 33.0 | 25.9 | 21.3 |
| 42.5° | 600.1 | 534.2 | 464.3 | 406.8 | 345.3 | 291.6 | 58.2 | 39.4 | 30.4 | 23.3 | 18.8 |
| 45° | 725.6 | 643.4 | 558.7 | 480.5 | 405.4 | 336.3 | 55.6 | 36.8 | 27.2 | 20.7 | 16.2 |
| 47.5° | 862.6 | 757.9 | 662.2 | 563.9 | 474.6 | 391.9 | 52.4 | 34.9 | 24.6 | 18.1 | 14.2 |
| 50° | 1003.6 | 893.0 | 772.1 | 660.2 | 554.2 | 447.5 | 49.2 | 31.7 | 22.0 | 16.2 | 11.6 |
| 52.5° | 1155.6 | 1025.0 | 901.4 | 762.4 | 638.9 | 520.6 | 45.9 | 29.1 | 20.0 | 14.2 | 9.7 |
| 55° | 1348.9 | 1202.8 | 1057.9 | 902.1 | 753.4 | 605.3 | 42.7 | 25.9 | 17.4 | 12.3 | 7.8 |
| 57.5° | 1592.1 | 1418.8 | 1241.0 | 1065.0 | 884.6 | 716.5 | 40.1 | 22.6 | 14.9 | 10.4 | 6.5 |
| 60° | 1821.6 | 1619.2 | 1403.9 | 1201.5 | 997.8 | 801.8 | 36.2 | 20.0 | 12.9 | 8.4 | 6.5 |
| 62.5° | 1940.6 | 1709.8 | 1477.6 | 1254.5 | 1037.2 | 832.2 | 32.3 | 16.8 | 11.0 | 7.1 | 5.8 |
| 65° | 1911.5 | 1676.2 | 1451.1 | 1226.1 | 1013.3 | 812.8 | 28.4 | 14.9 | 9.7 | 6.5 | 5.8 |
| 66° | 1869.5 | 1636.7 | 1410.4 | 1196.3 | 993.3 | 792.2 | 26.5 | 14.2 | 9.0 | 6.5 | 5.2 |
| 67.5° | 1777.7 | 1552.6 | 1336.6 | 1137.5 | 938.3 | 752.7 | 23.9 | 12.9 | 8.4 | 5.8 | 5.2 |
| 70° | 1518.4 | 1314.0 | 1141.4 | 964.2 | 801.8 | 634.4 | 19.4 | 11.0 | 7.1 | 5.2 | 5.2 |
| 72.5° | 1004.9 | 865.9 | 750.8 | 646.0 | 540.0 | 419.0 | 16.2 | 9.0 | 5.8 | 5.2 | 4.5 |
| 75° | 379.0 | 342.7 | 294.2 | 264.5 | 230.8 | 202.4 | 12.9 | 5.8 | 4.5 | 4.5 | 4.5 |
| 77.5° | 67.2 | 62.1 | 55.0 | 50.4 | 46.6 | 42.7 | 10.4 | 3.9 | 3.9 | 4.5 | 4.5 |
| 80° | 45.3 | 42.0 | 38.2 | 34.9 | 32.3 | 29.1 | 7.1 | 3.2 | 3.9 | 3.9 | 4.5 |
| 82.5° | 32.3 | 30.4 | 28.4 | 25.9 | 23.9 | 21.3 | 4.5 | 3.2 | 3.9 | 3.9 | 3.9 |
| 85° | 19.4 | 18.1 | 16.8 | 15.5 | 13.6 | 12.9 | 3.2 | 3.2 | 3.2 | 3.9 | 3.9 |
| 87.5° | 5.2 | 4.5 | 5.2 | 5.2 | 3.9 | 4.5 | 2.6 | 2.6 | 2.6 | 3.2 | 3.2 |
| 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: P163517

CATALOG NUMBER: LDRL-SL3-E02-E-HSS

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 |
| 2.5° | 86.0 | 86.0 | 84.7 | 86.6 | 86.6 |
| 5° | 74.4 | 74.4 | 73.7 | 74.4 | 74.4 |
| 7.5° | 67.9 | 67.2 | 67.2 | 67.2 | 67.9 |
| 10° | 62.1 | 61.4 | 61.4 | 61.4 | 61.4 |
| 12.5° | 56.9 | 56.2 | 55.6 | 56.2 | 56.2 |
| 15° | 52.4 | 51.1 | 51.1 | 51.1 | 51.1 |
| 17.5° | 48.5 | 47.2 | 46.6 | 46.6 | 46.6 |
| 20° | 44.6 | 42.7 | 42.7 | 42.7 | 42.7 |
| 22.5° | 40.7 | 38.8 | 38.8 | 38.8 | 38.8 |
| 25° | 36.8 | 34.9 | 34.9 | 34.9 | 34.9 |
| 27.5° | 33.6 | 31.7 | 31.7 | 31.7 | 31.7 |
| 30° | 29.8 | 28.4 | 28.4 | 29.1 | 28.4 |
| 32.5° | 27.2 | 25.2 | 25.2 | 25.9 | 25.9 |
| 35° | 23.9 | 22.6 | 22.6 | 22.6 | 22.6 |
| 37.5° | 20.7 | 19.4 | 19.4 | 19.4 | 19.4 |
| 40° | 18.1 | 16.8 | 16.2 | 16.8 | 16.8 |
| 42.5° | 15.5 | 14.2 | 13.6 | 13.6 | 13.6 |
| 45° | 13.6 | 11.6 | 11.0 | 11.6 | 11.6 |
| 47.5° | 11.0 | 9.7 | 9.7 | 10.4 | 10.4 |
| 50° | 8.4 | 8.4 | 9.0 | 10.4 | 10.4 |
| 52.5° | 7.8 | 7.8 | 9.0 | 10.4 | 10.4 |
| 55° | 7.1 | 7.8 | 9.0 | 9.7 | 10.4 |
| 57.5° | 6.5 | 7.8 | 9.0 | 9.7 | 9.7 |
| 60° | 6.5 | 7.1 | 8.4 | 9.7 | 9.7 |
| 62.5° | 5.8 | 6.5 | 7.8 | 9.0 | 9.0 |
| 65° | 5.8 | 6.5 | 7.8 | 9.0 | 9.0 |
| 66° | 5.8 | 6.5 | 7.8 | 9.0 | 9.0 |
| 67.5° | 5.8 | 6.5 | 7.8 | 9.0 | 9.0 |
| 70° | 5.8 | 6.5 | 7.8 | 8.4 | 8.4 |
| 72.5° | 5.2 | 5.8 | 7.1 | 8.4 | 8.4 |
| 75° | 5.2 | 5.8 | 7.1 | 8.4 | 8.4 |
| 77.5° | 5.2 | 5.8 | 7.1 | 8.4 | 8.4 |
| 80° | 5.2 | 5.8 | 7.1 | 7.8 | 8.4 |
| 82.5° | 4.5 | 5.8 | 6.5 | 7.8 | 7.8 |
| 85° | 4.5 | 5.2 | 6.5 | 7.1 | 7.8 |
| 87.5° | 3.9 | 4.5 | 5.2 | 6.5 | 6.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)