

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: P163526

Luminaire Tested: **LDRL-SL3-E03-E-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P163526
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-E03-E-7030-HSS
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4608.2 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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

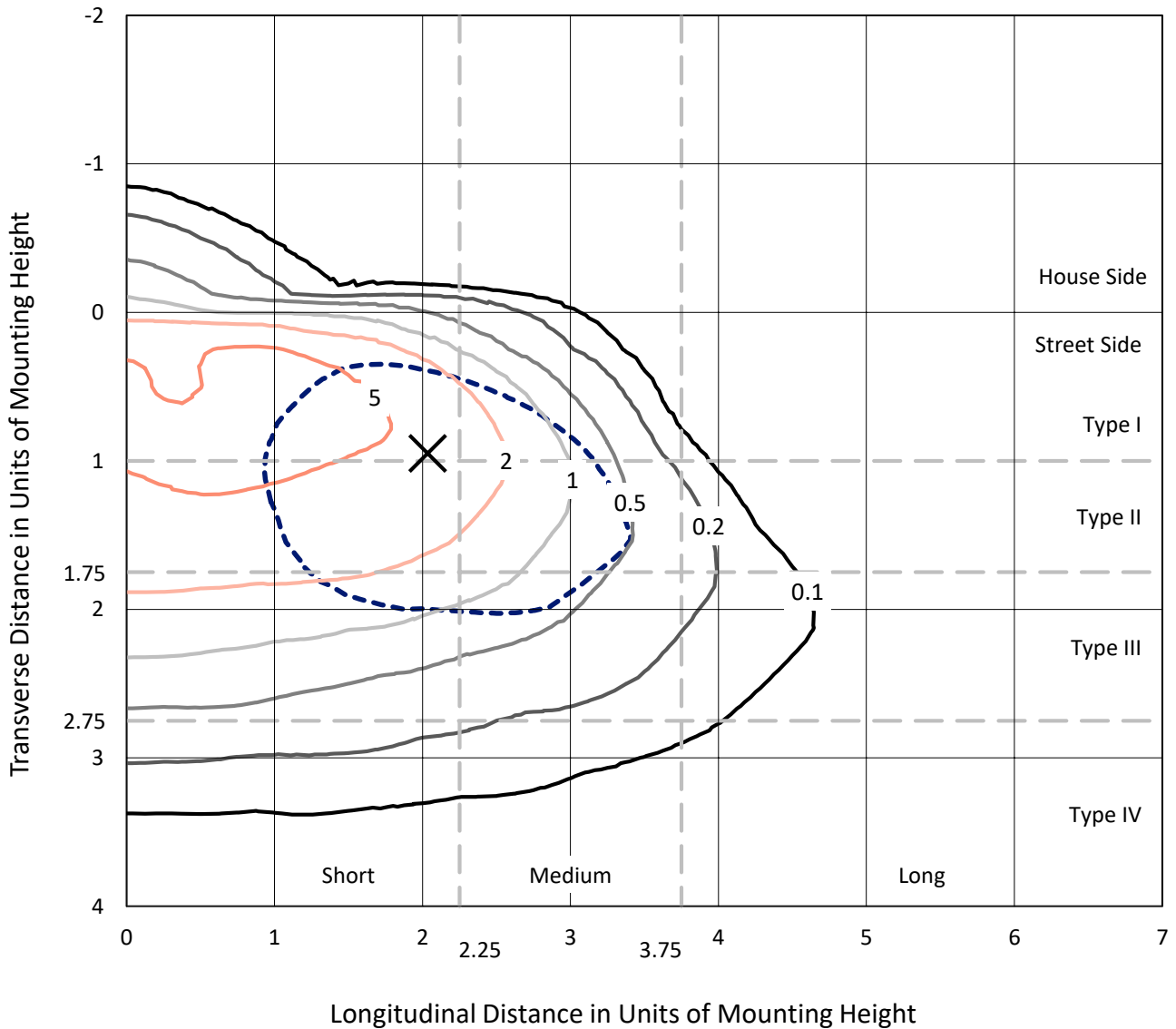


REPORT NUMBER: P163526

CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

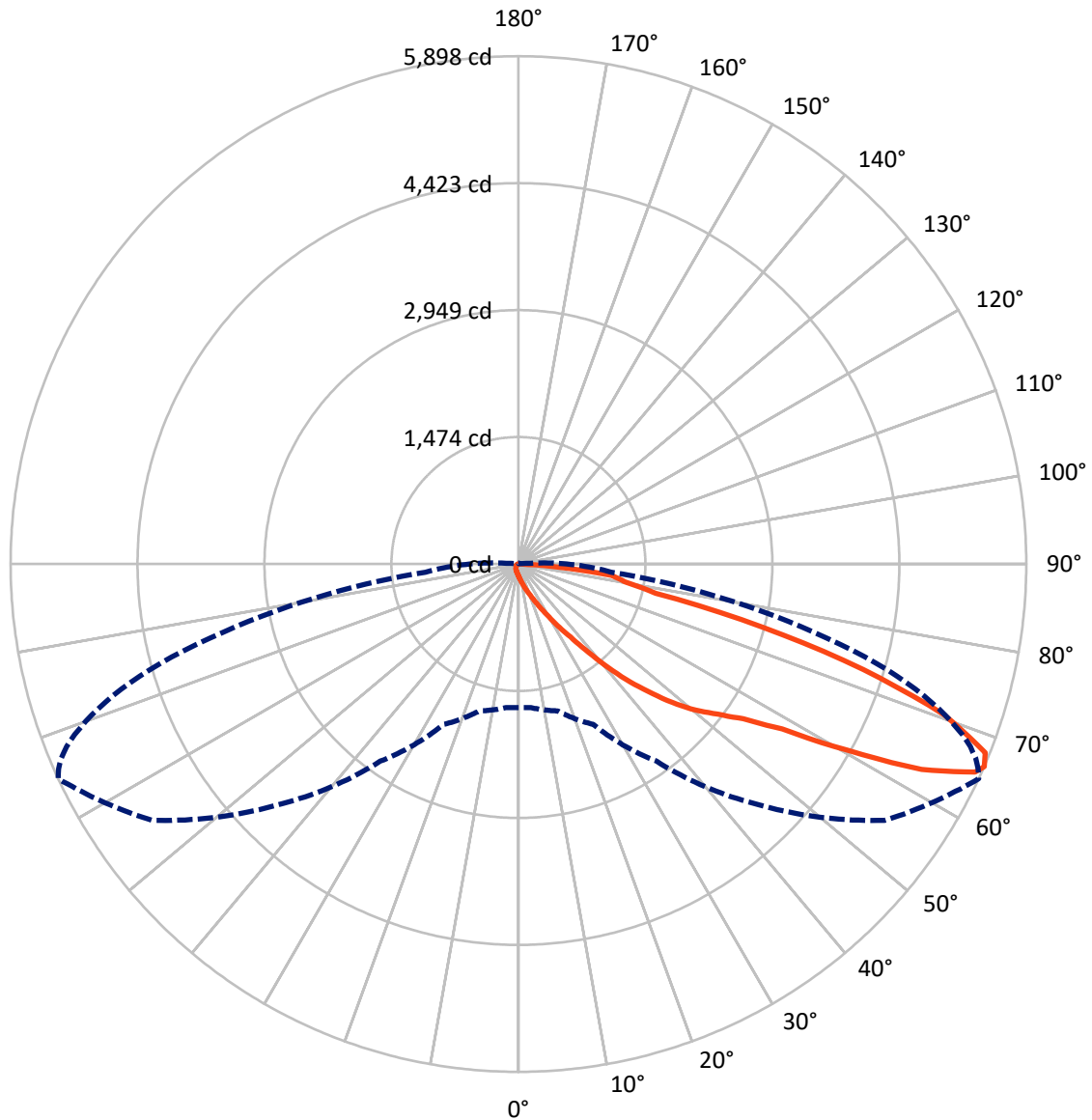


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P163526

CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P163526

CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 99.8 | 0.0 | 99.8 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 4508.3 | 0.0 | 4508.3 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 4608.2 | 0.0 | 4608.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.6 | 0.3 |
| 10°-20° | 66.0 | 1.4 |
| 20°-30° | 142.4 | 3.1 |
| 30°-40° | 304.1 | 6.6 |
| 40°-50° | 672.5 | 14.6 |
| 50°-60° | 1139.7 | 24.7 |
| 60°-70° | 1520.8 | 33.0 |
| 70°-80° | 669.9 | 14.5 |
| 80°-90° | 77.2 | 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° | 4608.2 | 100.0 |
| 0°-180° | 4608.2 | 100.0 |



REPORT NUMBER: P163526

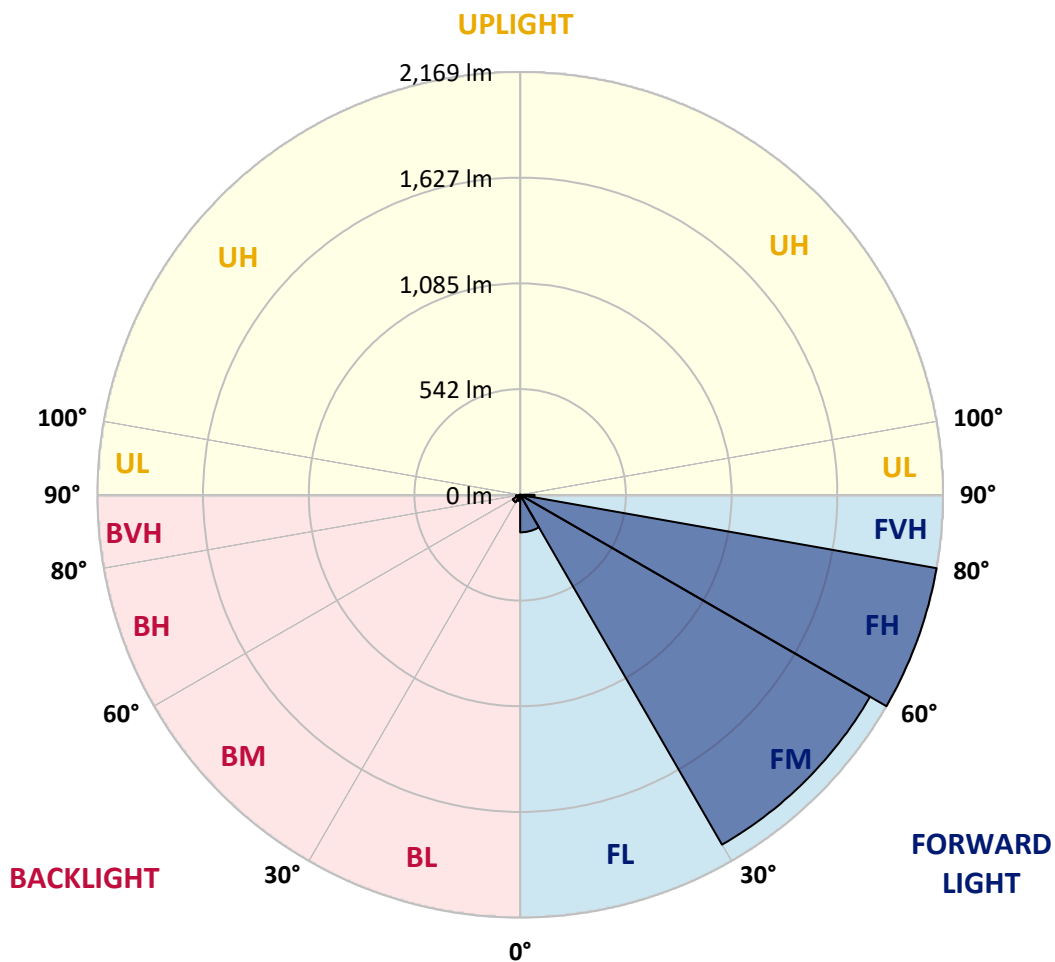
CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 192.5 | 4.2 | | | |
| FM | (30°-60°) | 2072.4 | 45.0 | | | |
| FH | (60°-80°) | 2169.3 | 47.1 | | | G2/5000 |
| FVH | (80°-90°) | 74.1 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 31.5 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 43.8 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 21.4 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 3.1 | 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-G2

Type III Short





REPORT NUMBER: P163526

CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 |
| 2.5° | 175.4 | 174.5 | 171.0 | 171.0 | 165.7 | 162.1 | 157.7 | 153.3 | 153.3 | 152.4 | 151.5 |
| 5° | 232.1 | 226.8 | 225.9 | 216.2 | 208.2 | 196.7 | 186.0 | 171.9 | 170.1 | 168.3 | 167.4 |
| 7.5° | 295.0 | 294.1 | 286.2 | 274.7 | 258.7 | 237.5 | 216.2 | 193.1 | 189.6 | 187.8 | 184.3 |
| 10° | 376.5 | 372.1 | 361.5 | 342.0 | 318.1 | 289.7 | 255.2 | 218.8 | 214.4 | 210.9 | 209.1 |
| 12.5° | 454.5 | 446.5 | 440.3 | 415.5 | 385.4 | 343.8 | 302.1 | 249.8 | 246.3 | 241.8 | 234.8 |
| 15° | 527.1 | 520.1 | 509.4 | 488.2 | 454.5 | 402.2 | 353.5 | 289.7 | 280.9 | 274.7 | 269.3 |
| 17.5° | 583.9 | 579.4 | 567.0 | 543.1 | 506.7 | 460.7 | 402.2 | 330.5 | 323.4 | 315.4 | 305.6 |
| 20° | 637.9 | 631.7 | 612.2 | 579.4 | 540.4 | 505.0 | 459.8 | 383.6 | 373.9 | 364.1 | 353.5 |
| 22.5° | 689.3 | 683.0 | 651.1 | 597.1 | 555.5 | 540.4 | 524.5 | 443.8 | 428.8 | 420.8 | 410.2 |
| 25° | 761.0 | 747.8 | 698.1 | 612.2 | 556.4 | 567.9 | 595.4 | 521.8 | 507.6 | 496.1 | 479.3 |
| 27.5° | 857.6 | 839.9 | 761.9 | 634.3 | 559.9 | 598.0 | 676.8 | 616.6 | 601.6 | 588.3 | 569.7 |
| 30° | 966.6 | 955.0 | 862.0 | 687.5 | 585.6 | 642.3 | 768.1 | 737.1 | 719.4 | 703.4 | 681.3 |
| 32.5° | 1076.4 | 1060.5 | 968.3 | 788.5 | 654.7 | 728.3 | 882.4 | 877.1 | 854.1 | 839.0 | 815.1 |
| 35° | 1173.0 | 1165.0 | 1096.8 | 954.1 | 812.4 | 878.8 | 1034.8 | 1041.0 | 1020.6 | 1004.7 | 978.1 |
| 37.5° | 1238.6 | 1238.6 | 1225.2 | 1132.2 | 1063.1 | 1112.7 | 1258.9 | 1259.8 | 1239.4 | 1203.1 | 1189.8 |
| 40° | 1272.2 | 1282.0 | 1329.8 | 1347.5 | 1344.0 | 1407.8 | 1553.1 | 1537.1 | 1520.3 | 1501.7 | 1457.4 |
| 42.5° | 1341.3 | 1350.2 | 1452.1 | 1574.3 | 1654.1 | 1738.2 | 1838.3 | 1833.0 | 1812.7 | 1779.0 | 1738.2 |
| 45° | 1458.3 | 1469.8 | 1591.1 | 1785.1 | 1949.1 | 2068.7 | 2132.5 | 2107.6 | 2087.3 | 2055.4 | 2034.1 |
| 47.5° | 1607.1 | 1629.2 | 1766.6 | 2006.6 | 2204.2 | 2401.8 | 2468.2 | 2402.7 | 2384.9 | 2360.2 | 2325.6 |
| 50° | 1765.7 | 1787.0 | 1933.1 | 2207.8 | 2431.0 | 2666.7 | 2777.4 | 2666.7 | 2641.0 | 2633.0 | 2594.1 |
| 52.5° | 1903.0 | 1920.7 | 2061.6 | 2362.8 | 2604.7 | 2881.1 | 3042.3 | 2896.1 | 2877.5 | 2851.0 | 2822.6 |
| 55° | 1984.5 | 1998.7 | 2130.7 | 2437.2 | 2722.5 | 3074.2 | 3298.4 | 3169.9 | 3142.5 | 3131.8 | 3091.1 |
| 57.5° | 2012.0 | 2026.2 | 2144.9 | 2447.0 | 2786.3 | 3250.5 | 3609.3 | 3613.7 | 3581.0 | 3542.9 | 3530.5 |
| 60° | 2012.0 | 2027.9 | 2128.0 | 2423.0 | 2848.3 | 3438.3 | 4023.9 | 4393.4 | 4322.5 | 4315.4 | 4270.3 |
| 62.5° | 1928.7 | 1943.7 | 2044.7 | 2349.5 | 2931.6 | 3691.7 | 4601.6 | 5253.6 | 5233.3 | 5187.2 | 5112.8 |
| 65° | 1748.0 | 1756.8 | 1856.1 | 2161.7 | 2899.7 | 3924.7 | 5102.1 | 5826.0 | 5793.2 | 5702.8 | 5607.1 |
| 66° | 1666.4 | 1673.6 | 1766.6 | 2054.5 | 2795.1 | 3956.6 | 5190.8 | 5897.7 | 5843.7 | 5767.5 | 5659.4 |
| 67.5° | 1548.6 | 1561.0 | 1626.6 | 1855.2 | 2544.4 | 3845.9 | 5134.9 | 5847.2 | 5800.2 | 5708.1 | 5600.0 |
| 70° | 1033.9 | 1025.1 | 1256.3 | 1423.7 | 1938.4 | 3133.6 | 4606.9 | 5250.1 | 5251.0 | 5207.6 | 5164.2 |
| 72.5° | 490.8 | 496.1 | 563.5 | 876.2 | 1268.6 | 2093.5 | 3666.9 | 4190.5 | 4250.8 | 4172.8 | 4118.7 |
| 75° | 352.6 | 360.6 | 401.3 | 536.0 | 756.6 | 1256.3 | 2377.0 | 2930.7 | 2932.5 | 2794.2 | 2671.1 |
| 77.5° | 102.8 | 107.2 | 150.6 | 330.5 | 567.0 | 847.8 | 1365.3 | 1629.2 | 1591.1 | 1491.9 | 1398.9 |
| 80° | 42.5 | 42.5 | 44.3 | 105.4 | 227.7 | 575.8 | 955.0 | 1254.5 | 1250.1 | 1212.0 | 1157.0 |
| 82.5° | 15.9 | 16.8 | 21.3 | 43.4 | 54.0 | 141.8 | 637.0 | 1088.8 | 1086.2 | 1032.1 | 993.2 |
| 85° | 1.8 | 1.8 | 5.3 | 18.6 | 20.4 | 26.6 | 127.6 | 480.2 | 477.5 | 480.2 | 420.8 |
| 87.5° | 0.0 | 0.0 | 0.9 | 1.8 | 2.6 | 3.6 | 5.3 | 18.6 | 20.4 | 19.5 | 17.7 |
| 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: P163526

CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

CANDELA DISTRIBUTION (continued):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 |
| 2.5° | 151.5 | 149.7 | 149.7 | 148.8 | 148.8 | 148.8 | 148.0 | 147.1 | 147.1 | 146.2 | 145.3 |
| 5° | 165.7 | 163.9 | 163.0 | 161.2 | 160.3 | 159.5 | 157.7 | 156.8 | 155.0 | 154.2 | 153.3 |
| 7.5° | 182.5 | 179.0 | 178.0 | 175.4 | 172.7 | 171.0 | 169.2 | 166.5 | 164.8 | 161.2 | 160.3 |
| 10° | 203.8 | 199.3 | 195.8 | 192.2 | 189.6 | 185.2 | 182.5 | 179.0 | 175.4 | 172.7 | 170.1 |
| 12.5° | 231.2 | 225.0 | 219.7 | 216.2 | 209.9 | 204.6 | 199.3 | 196.7 | 189.6 | 186.0 | 181.6 |
| 15° | 261.3 | 254.3 | 248.1 | 241.0 | 236.5 | 227.7 | 220.6 | 212.6 | 209.1 | 202.9 | 195.8 |
| 17.5° | 300.3 | 288.8 | 279.0 | 272.0 | 263.1 | 254.3 | 246.3 | 238.3 | 227.7 | 220.6 | 211.8 |
| 20° | 342.0 | 332.2 | 318.9 | 306.6 | 295.9 | 285.3 | 273.7 | 263.1 | 253.4 | 241.8 | 231.2 |
| 22.5° | 395.1 | 381.0 | 365.0 | 352.6 | 338.5 | 326.9 | 310.9 | 296.8 | 280.9 | 265.8 | 253.4 |
| 25° | 462.5 | 443.8 | 428.8 | 411.1 | 394.2 | 376.5 | 357.0 | 339.3 | 318.9 | 304.7 | 283.5 |
| 27.5° | 545.8 | 528.0 | 507.6 | 484.6 | 467.8 | 441.2 | 415.5 | 393.4 | 369.4 | 347.3 | 323.4 |
| 30° | 652.1 | 626.4 | 605.1 | 583.0 | 549.3 | 523.6 | 493.5 | 463.3 | 430.6 | 408.4 | 372.1 |
| 32.5° | 779.7 | 752.1 | 720.2 | 688.4 | 657.4 | 621.1 | 583.9 | 546.6 | 510.3 | 469.5 | 432.3 |
| 35° | 935.6 | 902.8 | 866.5 | 831.9 | 784.0 | 745.1 | 698.1 | 646.8 | 606.0 | 559.0 | 512.1 |
| 37.5° | 1142.0 | 1087.9 | 1056.0 | 1019.7 | 955.0 | 901.9 | 849.6 | 798.2 | 726.5 | 676.8 | 610.4 |
| 40° | 1400.7 | 1368.8 | 1316.5 | 1258.0 | 1199.5 | 1129.6 | 1058.7 | 990.5 | 907.2 | 838.1 | 761.0 |
| 42.5° | 1704.5 | 1657.6 | 1604.5 | 1520.3 | 1460.9 | 1378.5 | 1297.9 | 1207.5 | 1105.7 | 1017.1 | 926.7 |
| 45° | 1989.8 | 1934.0 | 1893.3 | 1809.1 | 1747.1 | 1649.6 | 1552.2 | 1456.5 | 1338.7 | 1224.4 | 1119.8 |
| 47.5° | 2298.1 | 2252.0 | 2184.8 | 2116.5 | 2053.6 | 1943.7 | 1838.3 | 1722.3 | 1598.2 | 1462.7 | 1327.1 |
| 50° | 2569.2 | 2532.9 | 2486.8 | 2404.4 | 2334.5 | 2242.3 | 2118.3 | 1991.6 | 1834.8 | 1700.1 | 1546.0 |
| 52.5° | 2799.6 | 2771.2 | 2706.6 | 2648.1 | 2585.2 | 2498.4 | 2387.6 | 2266.2 | 2097.0 | 1949.1 | 1773.6 |
| 55° | 3071.5 | 3051.2 | 2994.5 | 2958.2 | 2902.3 | 2819.1 | 2715.4 | 2602.9 | 2424.0 | 2262.7 | 2064.2 |
| 57.5° | 3517.2 | 3501.2 | 3451.6 | 3436.6 | 3381.7 | 3309.0 | 3181.4 | 3060.9 | 2851.8 | 2651.6 | 2424.8 |
| 60° | 4255.2 | 4223.3 | 4150.6 | 4113.4 | 3997.4 | 3899.9 | 3734.3 | 3568.6 | 3316.1 | 3060.9 | 2788.1 |
| 62.5° | 5045.4 | 4955.9 | 4817.7 | 4699.0 | 4534.2 | 4365.0 | 4143.6 | 3890.2 | 3594.2 | 3291.3 | 2977.7 |
| 65° | 5471.6 | 5319.2 | 5144.7 | 4955.9 | 4742.4 | 4493.5 | 4214.4 | 3910.5 | 3592.5 | 3272.7 | 2941.3 |
| 66° | 5520.3 | 5348.4 | 5163.2 | 4953.3 | 4715.8 | 4450.9 | 4167.5 | 3848.5 | 3518.1 | 3206.2 | 2874.9 |
| 67.5° | 5459.2 | 5279.3 | 5083.5 | 4850.5 | 4593.6 | 4319.0 | 4021.3 | 3689.9 | 3371.9 | 3055.6 | 2733.1 |
| 70° | 5031.3 | 4852.3 | 4677.8 | 4432.4 | 4158.6 | 3882.2 | 3600.5 | 3230.1 | 2928.9 | 2638.3 | 2351.3 |
| 72.5° | 4017.7 | 3896.4 | 3723.6 | 3513.6 | 3247.0 | 2922.7 | 2687.9 | 2356.6 | 2095.3 | 1813.5 | 1591.1 |
| 75° | 2510.8 | 2339.8 | 2126.3 | 1858.7 | 1654.9 | 1391.8 | 1254.5 | 1002.9 | 854.1 | 723.8 | 598.0 |
| 77.5° | 1283.7 | 1155.3 | 1005.5 | 855.0 | 710.6 | 567.0 | 438.5 | 310.1 | 209.1 | 145.3 | 108.1 |
| 80° | 1060.5 | 947.1 | 823.1 | 685.7 | 558.1 | 433.2 | 311.9 | 212.6 | 135.5 | 88.6 | 69.1 |
| 82.5° | 876.2 | 780.5 | 669.8 | 542.2 | 431.4 | 340.2 | 236.5 | 154.2 | 95.7 | 62.0 | 48.7 |
| 85° | 373.0 | 338.5 | 261.3 | 207.3 | 155.9 | 115.2 | 80.6 | 54.0 | 38.1 | 31.0 | 28.3 |
| 87.5° | 15.9 | 17.7 | 16.8 | 13.3 | 9.8 | 9.8 | 8.9 | 7.1 | 7.1 | 7.1 | 7.1 |
| 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: P163526

CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 |
| 2.5° | 145.3 | 144.4 | 143.5 | 143.5 | 142.6 | 141.8 | 136.5 | 132.0 | 126.7 | 123.1 | 119.6 |
| 5° | 151.5 | 150.6 | 148.8 | 148.0 | 146.2 | 145.3 | 133.8 | 124.0 | 116.1 | 109.9 | 105.4 |
| 7.5° | 157.7 | 156.8 | 154.2 | 151.5 | 150.6 | 148.8 | 130.2 | 117.8 | 107.2 | 100.1 | 95.7 |
| 10° | 165.7 | 163.0 | 160.3 | 156.8 | 154.2 | 151.5 | 126.7 | 110.8 | 99.2 | 93.0 | 88.6 |
| 12.5° | 177.2 | 172.7 | 168.3 | 163.9 | 160.3 | 155.9 | 124.9 | 104.6 | 93.0 | 85.9 | 81.5 |
| 15° | 190.5 | 184.3 | 179.0 | 173.7 | 167.4 | 163.0 | 121.4 | 99.2 | 87.7 | 80.6 | 75.3 |
| 17.5° | 202.9 | 195.8 | 187.8 | 179.9 | 173.7 | 167.4 | 117.8 | 93.9 | 82.4 | 75.3 | 70.0 |
| 20° | 220.6 | 209.9 | 200.2 | 190.5 | 181.6 | 173.7 | 112.5 | 88.6 | 78.0 | 70.0 | 64.7 |
| 22.5° | 240.1 | 227.7 | 215.3 | 202.0 | 190.5 | 179.9 | 108.1 | 84.2 | 73.5 | 65.5 | 59.3 |
| 25° | 264.9 | 249.8 | 233.0 | 216.2 | 202.9 | 188.7 | 103.6 | 79.7 | 69.1 | 61.1 | 54.9 |
| 27.5° | 299.4 | 278.2 | 259.6 | 238.3 | 217.9 | 202.0 | 100.1 | 76.2 | 64.7 | 56.7 | 50.5 |
| 30° | 346.4 | 315.4 | 286.2 | 263.1 | 239.2 | 216.2 | 96.6 | 71.7 | 61.1 | 52.3 | 45.2 |
| 32.5° | 398.7 | 362.3 | 328.7 | 294.1 | 264.0 | 237.5 | 93.0 | 68.2 | 56.7 | 47.8 | 41.6 |
| 35° | 463.3 | 417.3 | 372.1 | 332.2 | 295.9 | 260.5 | 89.5 | 64.7 | 53.2 | 43.4 | 37.2 |
| 37.5° | 556.4 | 498.8 | 439.4 | 388.0 | 341.1 | 294.1 | 86.8 | 61.1 | 48.7 | 39.0 | 32.8 |
| 40° | 684.0 | 609.6 | 536.9 | 466.9 | 405.7 | 347.3 | 83.3 | 57.6 | 45.2 | 35.5 | 29.2 |
| 42.5° | 822.2 | 731.8 | 636.1 | 557.3 | 473.1 | 399.6 | 79.7 | 54.0 | 41.6 | 31.9 | 25.7 |
| 45° | 994.0 | 881.5 | 765.5 | 658.3 | 555.5 | 460.7 | 76.2 | 50.5 | 37.2 | 28.3 | 22.1 |
| 47.5° | 1181.8 | 1038.3 | 907.2 | 772.5 | 650.3 | 536.9 | 71.7 | 47.8 | 33.6 | 24.8 | 19.5 |
| 50° | 1375.0 | 1223.5 | 1057.8 | 904.5 | 759.3 | 613.1 | 67.4 | 43.4 | 30.1 | 22.1 | 15.9 |
| 52.5° | 1583.2 | 1404.2 | 1235.0 | 1044.5 | 875.3 | 713.2 | 62.9 | 39.8 | 27.5 | 19.5 | 13.3 |
| 55° | 1848.1 | 1647.9 | 1449.4 | 1235.9 | 1032.1 | 829.2 | 58.5 | 35.5 | 23.9 | 16.8 | 10.6 |
| 57.5° | 2181.2 | 1943.7 | 1700.1 | 1459.1 | 1212.0 | 981.6 | 54.9 | 31.0 | 20.4 | 14.2 | 8.9 |
| 60° | 2495.7 | 2218.4 | 1923.4 | 1646.1 | 1367.0 | 1098.5 | 49.6 | 27.5 | 17.7 | 11.5 | 8.9 |
| 62.5° | 2658.7 | 2342.4 | 2024.3 | 1718.7 | 1421.0 | 1140.2 | 44.3 | 23.0 | 15.1 | 9.8 | 7.9 |
| 65° | 2618.8 | 2296.4 | 1988.1 | 1679.8 | 1388.3 | 1113.6 | 39.0 | 20.4 | 13.3 | 8.9 | 7.9 |
| 66° | 2561.2 | 2242.3 | 1932.2 | 1639.0 | 1360.8 | 1085.3 | 36.3 | 19.5 | 12.4 | 8.9 | 7.1 |
| 67.5° | 2435.5 | 2127.2 | 1831.2 | 1558.4 | 1285.5 | 1031.2 | 32.8 | 17.7 | 11.5 | 7.9 | 7.1 |
| 70° | 2080.2 | 1800.2 | 1563.7 | 1320.9 | 1098.5 | 869.1 | 26.6 | 15.1 | 9.8 | 7.1 | 7.1 |
| 72.5° | 1376.8 | 1186.3 | 1028.6 | 885.0 | 739.8 | 574.1 | 22.1 | 12.4 | 7.9 | 7.1 | 6.2 |
| 75° | 519.2 | 469.5 | 403.1 | 362.3 | 316.3 | 277.3 | 17.7 | 7.9 | 6.2 | 6.2 | 6.2 |
| 77.5° | 92.1 | 85.1 | 75.3 | 69.1 | 63.8 | 58.5 | 14.2 | 5.3 | 5.3 | 6.2 | 6.2 |
| 80° | 62.0 | 57.6 | 52.3 | 47.8 | 44.3 | 39.8 | 9.8 | 4.4 | 5.3 | 5.3 | 6.2 |
| 82.5° | 44.3 | 41.6 | 39.0 | 35.5 | 32.8 | 29.2 | 6.2 | 4.4 | 5.3 | 5.3 | 5.3 |
| 85° | 26.6 | 24.8 | 23.0 | 21.3 | 18.6 | 17.7 | 4.4 | 4.4 | 4.4 | 5.3 | 5.3 |
| 87.5° | 7.1 | 6.2 | 7.1 | 7.1 | 5.3 | 6.2 | 3.6 | 3.6 | 3.6 | 4.4 | 4.4 |
| 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: P163526

CATALOG NUMBER: LDRL-SL3-E03-E-7030-HSS

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 |
| 2.5° | 117.8 | 117.8 | 116.1 | 118.7 | 118.7 |
| 5° | 101.9 | 101.9 | 101.0 | 101.9 | 101.9 |
| 7.5° | 93.0 | 92.1 | 92.1 | 92.1 | 93.0 |
| 10° | 85.1 | 84.2 | 84.2 | 84.2 | 84.2 |
| 12.5° | 78.0 | 77.1 | 76.2 | 77.1 | 77.1 |
| 15° | 71.7 | 70.0 | 70.0 | 70.0 | 70.0 |
| 17.5° | 66.4 | 64.7 | 63.8 | 63.8 | 63.8 |
| 20° | 61.1 | 58.5 | 58.5 | 58.5 | 58.5 |
| 22.5° | 55.8 | 53.2 | 53.2 | 53.2 | 53.2 |
| 25° | 50.5 | 47.8 | 47.8 | 47.8 | 47.8 |
| 27.5° | 46.1 | 43.4 | 43.4 | 43.4 | 43.4 |
| 30° | 40.8 | 39.0 | 39.0 | 39.8 | 39.0 |
| 32.5° | 37.2 | 34.5 | 34.5 | 35.5 | 35.5 |
| 35° | 32.8 | 31.0 | 31.0 | 31.0 | 31.0 |
| 37.5° | 28.3 | 26.6 | 26.6 | 26.6 | 26.6 |
| 40° | 24.8 | 23.0 | 22.1 | 23.0 | 23.0 |
| 42.5° | 21.3 | 19.5 | 18.6 | 18.6 | 18.6 |
| 45° | 18.6 | 15.9 | 15.1 | 15.9 | 15.9 |
| 47.5° | 15.1 | 13.3 | 13.3 | 14.2 | 14.2 |
| 50° | 11.5 | 11.5 | 12.4 | 14.2 | 14.2 |
| 52.5° | 10.6 | 10.6 | 12.4 | 14.2 | 14.2 |
| 55° | 9.8 | 10.6 | 12.4 | 13.3 | 14.2 |
| 57.5° | 8.9 | 10.6 | 12.4 | 13.3 | 13.3 |
| 60° | 8.9 | 9.8 | 11.5 | 13.3 | 13.3 |
| 62.5° | 7.9 | 8.9 | 10.6 | 12.4 | 12.4 |
| 65° | 7.9 | 8.9 | 10.6 | 12.4 | 12.4 |
| 66° | 7.9 | 8.9 | 10.6 | 12.4 | 12.4 |
| 67.5° | 7.9 | 8.9 | 10.6 | 12.4 | 12.4 |
| 70° | 7.9 | 8.9 | 10.6 | 11.5 | 11.5 |
| 72.5° | 7.1 | 7.9 | 9.8 | 11.5 | 11.5 |
| 75° | 7.1 | 7.9 | 9.8 | 11.5 | 11.5 |
| 77.5° | 7.1 | 7.9 | 9.8 | 11.5 | 11.5 |
| 80° | 7.1 | 7.9 | 9.8 | 10.6 | 11.5 |
| 82.5° | 6.2 | 7.9 | 8.9 | 10.6 | 10.6 |
| 85° | 6.2 | 7.1 | 8.9 | 9.8 | 10.6 |
| 87.5° | 5.3 | 6.2 | 7.1 | 8.9 | 8.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)