

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: PORTFOLIO

Report Number: P#

Luminaire Tested: **LD4C60D010 EX4C609035 4LBSQLWWLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P219529)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EX4C609035 4LBSQLWWLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

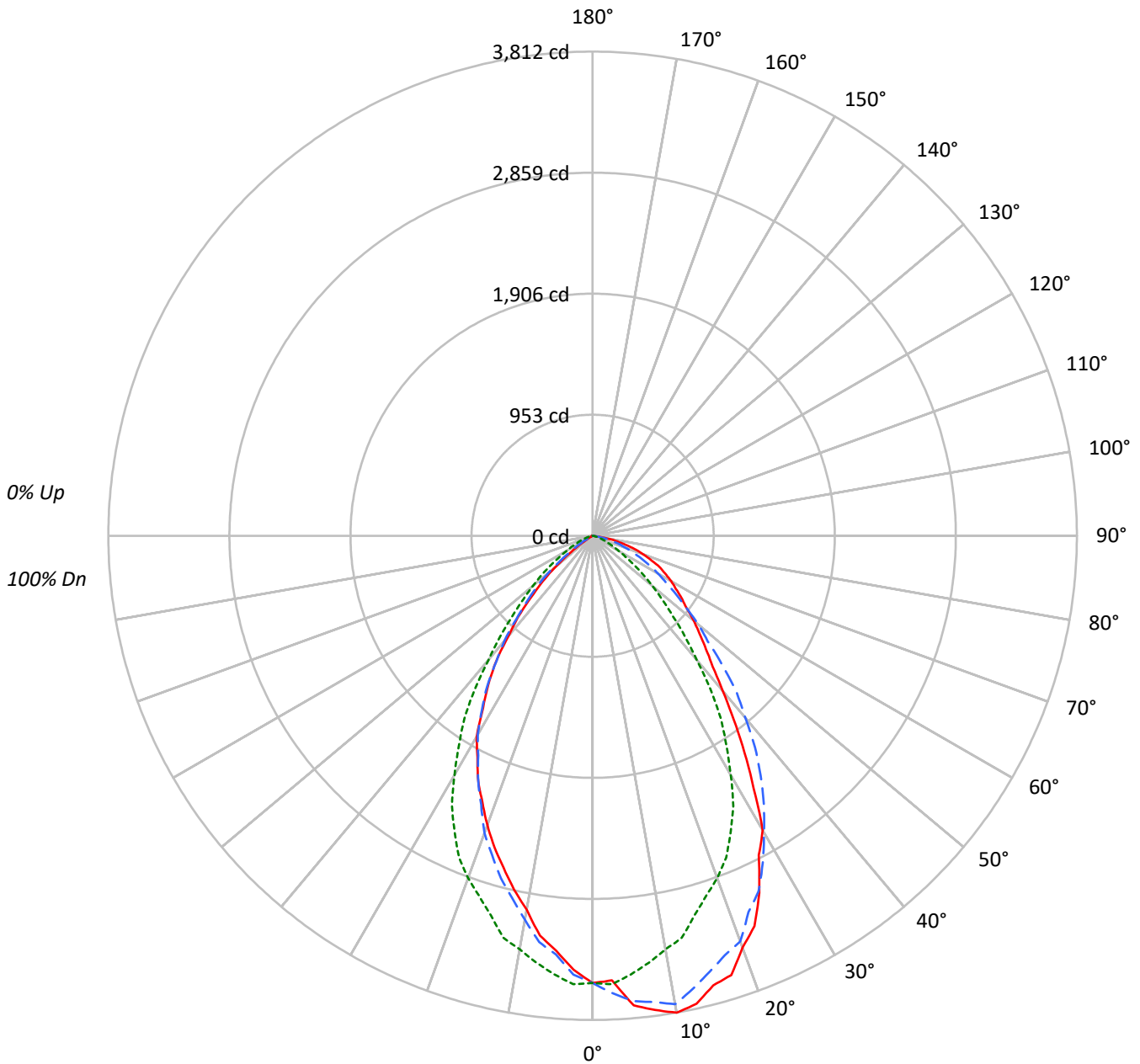
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5047.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1 / 1.06
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V):
Input Current (A_{in}): 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

TEST NUMBER: P#
CATALOG NUMBER: LD4C60D010 EX4C609035 4LBSQLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609035 4LBSQLWWLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 50 | | | | | | | | | 30 | | | | | | | | | 10 | | | | | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | | | | | | | | | | | | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | | | | | | | | | | | | | | | | | |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 80 | | | | | | | | | | | | | | | | | | | |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | | | | | | | | | | | | | | | | | |
| 4 | 91 | 81 | 74 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 70 | 66 | 64 | | | | | | | | | | | | | | | | | | | |
| 5 | 85 | 75 | 67 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 60 | 68 | 64 | 60 | 58 | | | | | | | | | | | | | | | | | | | |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 53 | | | | | | | | | | | | | | | | | | | |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 46 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | | | | | | | | | | | | | | | | | | | |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 41 | | | | | | | | | | | | | | | | | | | |
| 10 | 62 | 51 | 44 | 40 | 61 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 38 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 339728 | 339728 | 339728 |
| 5° | 359428 | 335727 | 317731 |
| 10° | 373519 | 323884 | 292854 |
| 15° | 366057 | 309118 | 270320 |
| 20° | 354179 | 294346 | 248828 |
| 25° | 330368 | 273718 | 226981 |
| 30° | 298227 | 242240 | 203211 |
| 35° | 245654 | 207371 | 168583 |
| 40° | 200486 | 160067 | 129749 |
| 45° | 172248 | 121569 | 93322 |
| 50° | 155904 | 92543 | 58948 |
| 55° | 143461 | 66751 | 21314 |
| 60° | 137690 | 45620 | 3261 |
| 65° | 132992 | 30845 | 982 |
| 70° | 119081 | 21413 | 1213 |
| 75° | 97600 | 11035 | 0 |
| 80° | 61011 | 4668 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609035 4LBSQLWWLI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 329.9 | 6.5 |
| 10°-20° | 888.8 | 17.6 |
| 20°-30° | 1186.8 | 23.5 |
| 30°-40° | 1126.6 | 22.3 |
| 40°-50° | 778.8 | 15.4 |
| 50°-60° | 430.3 | 8.5 |
| 60°-70° | 213.7 | 4.2 |
| 70°-80° | 84.2 | 1.7 |
| 80°-90° | 8.0 | 0.2 |
| 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°-30° | 2405.5 | 47.7 |
| 0°-40° | 3532.1 | 70.0 |
| 0°-60° | 4741.1 | 93.9 |
| 0°-90° | 5047.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5047.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3521 | 3521 | 3521 | 3521 | 3521 | |
| 5° | 3711 | 3677 | 3466 | 3310 | 3280 | 355 |
| 15° | 3664 | 3555 | 3094 | 2791 | 2706 | 1037 |
| 25° | 3103 | 3090 | 2571 | 2132 | 2132 | 1415 |
| 35° | 2086 | 2305 | 1760 | 1448 | 1431 | 1307 |
| 45° | 1262 | 1448 | 891 | 730 | 684 | 985 |
| 55° | 853 | 802 | 397 | 203 | 127 | 768 |
| 65° | 582 | 422 | 135 | 4 | 4 | 565 |
| 75° | 262 | 160 | 30 | 0 | 0 | 279 |
| 85° | 0 | 4 | 0 | 0 | 0 | 24 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609035 4LBSQLWWLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 |
| 2.5° | 3504.0 | 3601.1 | 3609.6 | 3601.1 | 3613.9 | 3609.6 | 3630.7 | 3609.6 | 3635.0 | 3597.0 | 3605.4 |
| 5° | 3710.9 | 3672.9 | 3753.1 | 3710.9 | 3710.9 | 3706.8 | 3694.1 | 3689.8 | 3706.8 | 3651.9 | 3677.2 |
| 7.5° | 3765.9 | 3820.8 | 3892.6 | 3803.9 | 3808.0 | 3808.0 | 3782.7 | 3774.3 | 3774.3 | 3672.9 | 3702.5 |
| 10° | 3812.3 | 3778.4 | 3816.5 | 3782.7 | 3812.3 | 3808.0 | 3824.9 | 3770.0 | 3808.0 | 3749.0 | 3744.7 |
| 12.5° | 3774.3 | 3761.6 | 3812.3 | 3757.4 | 3740.6 | 3744.7 | 3723.7 | 3710.9 | 3723.7 | 3656.0 | 3651.9 |
| 15° | 3664.5 | 3677.2 | 3753.1 | 3694.1 | 3685.6 | 3677.2 | 3651.9 | 3609.6 | 3643.5 | 3550.5 | 3554.8 |
| 17.5° | 3626.6 | 3605.4 | 3618.2 | 3567.4 | 3580.1 | 3571.7 | 3567.4 | 3529.5 | 3520.9 | 3461.9 | 3461.9 |
| 20° | 3449.3 | 3495.6 | 3495.6 | 3461.9 | 3461.9 | 3457.7 | 3402.8 | 3436.5 | 3398.5 | 3381.6 | 3398.5 |
| 22.5° | 3326.7 | 3331.0 | 3331.0 | 3301.4 | 3305.7 | 3288.8 | 3259.2 | 3238.1 | 3259.2 | 3238.1 | 3204.3 |
| 25° | 3103.1 | 3111.5 | 3162.1 | 3107.2 | 3098.8 | 3115.7 | 3090.4 | 3077.6 | 3073.5 | 3022.9 | 3090.4 |
| 27.5° | 2832.8 | 2917.2 | 2913.1 | 2891.9 | 2917.2 | 2883.4 | 2870.9 | 2875.0 | 2887.7 | 2883.4 | 2900.3 |
| 30° | 2676.7 | 2689.3 | 2702.0 | 2685.1 | 2689.3 | 2676.7 | 2676.7 | 2680.8 | 2714.6 | 2702.0 | 2697.7 |
| 32.5° | 2359.9 | 2402.1 | 2436.0 | 2436.0 | 2440.2 | 2452.9 | 2448.6 | 2537.3 | 2558.4 | 2516.3 | 2507.8 |
| 35° | 2085.5 | 2115.2 | 2144.6 | 2148.9 | 2203.8 | 2207.9 | 2212.2 | 2237.6 | 2296.6 | 2309.3 | 2305.0 |
| 37.5° | 1823.9 | 1853.3 | 1861.8 | 1899.8 | 1929.4 | 1958.9 | 1992.8 | 2026.5 | 2077.1 | 2119.3 | 2098.3 |
| 40° | 1591.7 | 1604.2 | 1625.4 | 1642.3 | 1701.3 | 1701.3 | 1718.2 | 1785.8 | 1840.8 | 1874.5 | 1870.2 |
| 42.5° | 1397.5 | 1401.6 | 1418.5 | 1448.1 | 1503.0 | 1490.3 | 1503.0 | 1549.5 | 1629.5 | 1633.8 | 1680.3 |
| 45° | 1262.3 | 1258.0 | 1270.8 | 1274.9 | 1308.8 | 1325.7 | 1334.1 | 1367.9 | 1435.4 | 1443.8 | 1448.1 |
| 47.5° | 1139.9 | 1135.6 | 1156.8 | 1165.3 | 1177.8 | 1194.7 | 1194.7 | 1199.0 | 1224.3 | 1245.5 | 1228.6 |
| 50° | 1038.6 | 1038.6 | 1038.6 | 1047.0 | 1068.2 | 1063.9 | 1068.2 | 1085.0 | 1097.6 | 1089.2 | 1085.0 |
| 52.5° | 928.7 | 945.6 | 958.3 | 962.6 | 966.8 | 966.8 | 971.1 | 962.6 | 958.3 | 945.6 | 920.3 |
| 55° | 852.8 | 869.7 | 869.7 | 869.7 | 869.7 | 886.6 | 865.5 | 869.7 | 869.7 | 835.9 | 802.2 |
| 57.5° | 776.9 | 793.8 | 806.3 | 789.5 | 806.3 | 789.5 | 781.0 | 776.9 | 768.3 | 734.5 | 683.9 |
| 60° | 713.5 | 722.0 | 717.7 | 713.5 | 722.0 | 709.2 | 700.8 | 683.9 | 675.5 | 629.0 | 595.3 |
| 62.5° | 641.8 | 645.9 | 650.2 | 641.8 | 633.3 | 629.0 | 612.2 | 586.8 | 570.0 | 531.9 | 502.3 |
| 65° | 582.5 | 570.0 | 565.7 | 561.5 | 553.1 | 540.4 | 527.8 | 498.2 | 485.5 | 451.7 | 422.1 |
| 67.5° | 493.9 | 489.8 | 498.2 | 485.5 | 464.4 | 464.4 | 451.7 | 426.4 | 396.8 | 375.8 | 346.2 |
| 70° | 422.1 | 418.0 | 409.5 | 396.8 | 392.7 | 375.8 | 375.8 | 346.2 | 337.7 | 299.7 | 274.4 |
| 72.5° | 346.2 | 346.2 | 333.4 | 320.9 | 308.1 | 299.7 | 295.6 | 274.4 | 261.8 | 240.7 | 219.5 |
| 75° | 261.8 | 261.8 | 257.5 | 244.8 | 236.4 | 227.9 | 223.8 | 206.9 | 194.2 | 173.2 | 160.4 |
| 77.5° | 185.7 | 185.7 | 168.9 | 160.4 | 164.6 | 156.1 | 147.7 | 143.6 | 139.3 | 126.7 | 109.8 |
| 80° | 109.8 | 105.5 | 93.0 | 97.1 | 93.0 | 93.0 | 88.7 | 84.4 | 75.9 | 67.5 | 59.0 |
| 82.5° | 29.6 | 33.7 | 33.7 | 33.7 | 38.0 | 29.6 | 29.6 | 29.6 | 33.7 | 33.7 | 21.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 4.3 | 4.3 |
| 87.5° | 4.3 | 8.4 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 12.7 | 12.7 | 12.7 | 8.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 |
| 2.5° | 3563.2 | 3558.9 | 3563.2 | 3533.6 | 3601.1 | 3550.5 | 3542.1 | 3533.6 | 3563.2 | 3533.6 | 3491.5 |
| 5° | 3639.2 | 3597.0 | 3584.3 | 3571.7 | 3609.6 | 3550.5 | 3537.9 | 3542.1 | 3520.9 | 3466.2 | 3470.3 |
| 7.5° | 3664.5 | 3626.6 | 3588.6 | 3508.3 | 3542.1 | 3529.5 | 3495.6 | 3470.3 | 3436.5 | 3390.1 | 3381.6 |
| 10° | 3672.9 | 3630.7 | 3575.8 | 3550.5 | 3499.9 | 3483.0 | 3470.3 | 3428.1 | 3385.9 | 3305.7 | 3284.5 |
| 12.5° | 3647.6 | 3597.0 | 3529.5 | 3508.3 | 3470.3 | 3415.4 | 3385.9 | 3343.6 | 3305.7 | 3242.4 | 3195.9 |
| 15° | 3537.9 | 3495.6 | 3474.6 | 3402.8 | 3385.9 | 3352.0 | 3293.0 | 3233.9 | 3179.0 | 3094.5 | 3069.2 |
| 17.5° | 3411.2 | 3394.4 | 3373.2 | 3318.3 | 3314.2 | 3280.4 | 3225.5 | 3174.7 | 3103.1 | 2972.1 | 2929.9 |
| 20° | 3280.4 | 3280.4 | 3212.8 | 3191.8 | 3233.9 | 3166.3 | 3124.1 | 3077.6 | 2929.9 | 2866.6 | 2790.7 |
| 22.5° | 3183.3 | 3136.8 | 3098.8 | 3065.1 | 3069.2 | 3027.0 | 2968.0 | 2875.0 | 2820.1 | 2744.2 | 2655.5 |
| 25° | 2993.3 | 3010.1 | 2925.8 | 2913.1 | 2925.8 | 2828.5 | 2799.1 | 2723.0 | 2642.8 | 2571.0 | 2503.5 |
| 27.5° | 2875.0 | 2828.5 | 2773.8 | 2727.3 | 2727.3 | 2689.3 | 2604.9 | 2588.0 | 2465.5 | 2398.0 | 2313.5 |
| 30° | 2697.7 | 2664.0 | 2617.5 | 2550.0 | 2541.6 | 2512.0 | 2444.5 | 2402.1 | 2275.6 | 2174.2 | 2127.7 |
| 32.5° | 2473.9 | 2461.3 | 2423.3 | 2347.4 | 2322.1 | 2288.2 | 2203.8 | 2132.0 | 2073.0 | 1958.9 | 1904.1 |
| 35° | 2313.5 | 2267.2 | 2186.9 | 2123.6 | 2102.4 | 2043.4 | 1975.7 | 1925.1 | 1861.8 | 1760.5 | 1688.7 |
| 37.5° | 2073.0 | 2026.5 | 1950.4 | 1874.5 | 1874.5 | 1815.4 | 1722.5 | 1671.9 | 1583.2 | 1524.0 | 1465.0 |
| 40° | 1861.8 | 1802.7 | 1726.8 | 1638.1 | 1625.4 | 1540.9 | 1503.0 | 1418.5 | 1363.6 | 1270.8 | 1262.3 |
| 42.5° | 1625.4 | 1570.5 | 1503.0 | 1435.4 | 1384.7 | 1342.6 | 1245.5 | 1182.1 | 1123.1 | 1076.6 | 1063.9 |
| 45° | 1410.0 | 1338.3 | 1279.2 | 1194.7 | 1144.1 | 1093.5 | 1030.1 | 987.9 | 941.5 | 890.9 | 861.2 |
| 47.5° | 1224.3 | 1165.3 | 1080.7 | 1004.8 | 954.2 | 928.7 | 856.9 | 810.6 | 772.6 | 738.8 | 717.7 |
| 50° | 1034.4 | 962.6 | 916.2 | 831.6 | 823.2 | 764.2 | 705.1 | 667.1 | 645.9 | 616.5 | 586.8 |
| 52.5° | 890.9 | 823.2 | 759.9 | 696.7 | 662.8 | 641.8 | 586.8 | 548.8 | 519.4 | 498.2 | 481.3 |
| 55° | 751.4 | 692.4 | 641.8 | 578.4 | 557.2 | 527.8 | 464.4 | 456.0 | 426.4 | 396.8 | 375.8 |
| 57.5° | 645.9 | 591.0 | 531.9 | 489.8 | 451.7 | 430.7 | 379.9 | 346.2 | 329.3 | 304.0 | 282.8 |
| 60° | 548.8 | 489.8 | 443.3 | 392.7 | 375.8 | 346.2 | 308.1 | 278.7 | 257.5 | 236.4 | 215.4 |
| 62.5° | 460.1 | 409.5 | 358.9 | 316.6 | 291.3 | 274.4 | 244.8 | 219.5 | 198.5 | 181.6 | 164.6 |
| 65° | 379.9 | 333.4 | 291.3 | 249.1 | 236.4 | 215.4 | 194.2 | 173.2 | 156.1 | 135.1 | 118.3 |
| 67.5° | 312.4 | 270.3 | 227.9 | 198.5 | 185.7 | 177.3 | 152.0 | 130.8 | 118.3 | 105.5 | 88.7 |
| 70° | 244.8 | 215.4 | 181.6 | 156.1 | 143.6 | 130.8 | 114.0 | 101.4 | 84.4 | 75.9 | 63.3 |
| 72.5° | 190.0 | 164.6 | 135.1 | 114.0 | 105.5 | 97.1 | 80.2 | 67.5 | 59.0 | 50.6 | 42.2 |
| 75° | 135.1 | 114.0 | 97.1 | 75.9 | 71.8 | 67.5 | 54.9 | 46.5 | 38.0 | 29.6 | 25.3 |
| 77.5° | 93.0 | 75.9 | 59.0 | 50.6 | 46.5 | 38.0 | 33.7 | 25.3 | 21.2 | 16.9 | 12.7 |
| 80° | 50.6 | 38.0 | 29.6 | 25.3 | 21.2 | 16.9 | 16.9 | 12.7 | 8.4 | 8.4 | 4.3 |
| 82.5° | 16.9 | 12.7 | 8.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 0.0 | 4.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 |
| 2.5° | 3516.8 | 3470.3 | 3483.0 | 3483.0 | 3474.6 | 3474.6 | 3466.2 | 3453.4 | 3457.7 | 3432.2 | 3377.5 |
| 5° | 3478.7 | 3419.7 | 3411.2 | 3419.7 | 3385.9 | 3377.5 | 3360.6 | 3385.9 | 3309.9 | 3339.5 | 3305.7 |
| 7.5° | 3369.1 | 3314.2 | 3301.4 | 3331.0 | 3288.8 | 3263.4 | 3259.2 | 3293.0 | 3225.5 | 3191.8 | 3153.7 |
| 10° | 3246.5 | 3225.5 | 3187.5 | 3166.3 | 3153.7 | 3157.8 | 3124.1 | 3081.9 | 3069.2 | 3060.8 | 3027.0 |
| 12.5° | 3136.8 | 3090.4 | 3056.6 | 3031.3 | 3022.9 | 3022.9 | 2968.0 | 2959.5 | 2921.5 | 2913.1 | 2862.4 |
| 15° | 3005.8 | 2951.1 | 2929.9 | 2896.2 | 2866.6 | 2883.4 | 2820.1 | 2803.2 | 2790.7 | 2735.7 | 2744.2 |
| 17.5° | 2891.9 | 2832.8 | 2782.2 | 2761.0 | 2735.7 | 2710.4 | 2651.2 | 2664.0 | 2634.4 | 2634.4 | 2558.4 |
| 20° | 2744.2 | 2680.8 | 2642.8 | 2600.6 | 2600.6 | 2566.9 | 2524.7 | 2528.8 | 2490.8 | 2452.9 | 2385.3 |
| 22.5° | 2588.0 | 2520.4 | 2473.9 | 2457.0 | 2414.9 | 2406.4 | 2355.8 | 2343.1 | 2292.5 | 2296.6 | 2237.6 |
| 25° | 2423.3 | 2355.8 | 2292.5 | 2296.6 | 2258.7 | 2241.9 | 2212.2 | 2153.2 | 2132.0 | 2106.7 | 2089.8 |
| 27.5° | 2229.1 | 2182.6 | 2127.7 | 2123.6 | 2051.8 | 2055.9 | 2018.1 | 2001.2 | 1950.4 | 1963.2 | 1925.1 |
| 30° | 2051.8 | 1984.3 | 1933.5 | 1921.0 | 1891.4 | 1882.9 | 1823.9 | 1798.4 | 1807.0 | 1773.1 | 1752.1 |
| 32.5° | 1870.2 | 1769.0 | 1747.8 | 1722.5 | 1705.6 | 1684.4 | 1642.3 | 1659.1 | 1621.1 | 1629.5 | 1595.8 |
| 35° | 1629.5 | 1587.4 | 1532.4 | 1532.4 | 1515.6 | 1498.7 | 1469.3 | 1486.1 | 1448.1 | 1431.2 | 1397.5 |
| 37.5° | 1426.9 | 1389.0 | 1334.1 | 1351.0 | 1321.4 | 1296.1 | 1270.8 | 1274.9 | 1241.2 | 1237.0 | 1203.1 |
| 40° | 1207.4 | 1186.3 | 1148.4 | 1148.4 | 1127.2 | 1127.2 | 1114.5 | 1101.9 | 1080.7 | 1055.4 | 1017.4 |
| 42.5° | 1000.5 | 983.6 | 966.8 | 971.1 | 941.5 | 966.8 | 933.0 | 954.2 | 886.6 | 882.4 | 856.9 |
| 45° | 848.5 | 810.6 | 814.8 | 797.9 | 781.0 | 789.5 | 759.9 | 768.3 | 730.4 | 722.0 | 696.7 |
| 47.5° | 688.2 | 675.5 | 650.2 | 641.8 | 641.8 | 629.0 | 616.5 | 612.2 | 595.3 | 574.1 | 540.4 |
| 50° | 565.7 | 519.4 | 510.8 | 498.2 | 489.8 | 489.8 | 472.9 | 447.6 | 451.7 | 430.7 | 396.8 |
| 52.5° | 443.3 | 405.2 | 388.4 | 384.2 | 367.4 | 358.9 | 337.7 | 320.9 | 308.1 | 299.7 | 278.7 |
| 55° | 341.9 | 308.1 | 287.1 | 287.1 | 261.8 | 261.8 | 232.2 | 219.5 | 202.6 | 185.7 | 173.2 |
| 57.5° | 257.5 | 240.7 | 219.5 | 202.6 | 194.2 | 173.2 | 156.1 | 135.1 | 122.4 | 97.1 | 80.2 |
| 60° | 194.2 | 177.3 | 156.1 | 143.6 | 135.1 | 114.0 | 93.0 | 75.9 | 46.5 | 38.0 | 33.7 |
| 62.5° | 143.6 | 126.7 | 105.5 | 97.1 | 88.7 | 71.8 | 50.6 | 25.3 | 12.7 | 12.7 | 12.7 |
| 65° | 105.5 | 84.4 | 67.5 | 59.0 | 50.6 | 38.0 | 16.9 | 8.4 | 4.3 | 4.3 | 4.3 |
| 67.5° | 71.8 | 54.9 | 38.0 | 33.7 | 25.3 | 12.7 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 70° | 46.5 | 33.7 | 16.9 | 12.7 | 8.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 72.5° | 29.6 | 16.9 | 8.4 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 16.9 | 8.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 8.4 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 4.3 | 4.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 | 3520.9 |
| 2.5° | 3436.5 | 3406.9 | 3423.8 | 3385.9 | 3402.8 | 3432.2 | 3411.2 | 3419.7 |
| 5° | 3318.3 | 3301.4 | 3280.4 | 3225.5 | 3267.7 | 3301.4 | 3284.5 | 3280.4 |
| 7.5° | 3191.8 | 3132.5 | 3162.1 | 3145.3 | 3136.8 | 3170.6 | 3132.5 | 3174.7 |
| 10° | 3060.8 | 3018.6 | 3014.4 | 2984.8 | 2984.8 | 3010.1 | 3014.4 | 2989.0 |
| 12.5° | 2866.6 | 2845.6 | 2845.6 | 2841.3 | 2837.0 | 2862.4 | 2866.6 | 2854.0 |
| 15° | 2727.3 | 2718.9 | 2697.7 | 2693.6 | 2668.3 | 2706.1 | 2710.4 | 2706.1 |
| 17.5° | 2558.4 | 2562.6 | 2541.6 | 2541.6 | 2558.4 | 2571.0 | 2537.3 | 2571.0 |
| 20° | 2444.5 | 2423.3 | 2414.9 | 2376.8 | 2398.0 | 2419.2 | 2419.2 | 2423.3 |
| 22.5° | 2279.7 | 2246.0 | 2258.7 | 2237.6 | 2224.8 | 2254.4 | 2254.4 | 2267.2 |
| 25° | 2094.0 | 2094.0 | 2102.4 | 2089.8 | 2098.3 | 2115.2 | 2102.4 | 2132.0 |
| 27.5° | 1916.7 | 1933.5 | 1933.5 | 1916.7 | 1925.1 | 1975.7 | 1996.9 | 1963.2 |
| 30° | 1752.1 | 1756.2 | 1769.0 | 1760.5 | 1785.8 | 1802.7 | 1798.4 | 1823.9 |
| 32.5° | 1566.4 | 1587.4 | 1595.8 | 1583.2 | 1591.7 | 1629.5 | 1608.5 | 1604.2 |
| 35° | 1422.8 | 1384.7 | 1380.6 | 1384.7 | 1401.6 | 1410.0 | 1401.6 | 1431.2 |
| 37.5° | 1215.9 | 1203.1 | 1186.3 | 1190.6 | 1203.1 | 1220.2 | 1228.6 | 1249.6 |
| 40° | 1017.4 | 1000.5 | 1000.5 | 996.4 | 983.6 | 1030.1 | 1030.1 | 1030.1 |
| 42.5° | 844.4 | 840.1 | 819.1 | 819.1 | 835.9 | 848.5 | 840.1 | 869.7 |
| 45° | 692.4 | 675.5 | 662.8 | 662.8 | 675.5 | 675.5 | 688.2 | 683.9 |
| 47.5° | 544.7 | 527.8 | 531.9 | 519.4 | 531.9 | 548.8 | 527.8 | 531.9 |
| 50° | 409.5 | 409.5 | 401.1 | 409.5 | 405.2 | 409.5 | 401.1 | 392.7 |
| 52.5° | 278.7 | 316.6 | 320.9 | 304.0 | 266.0 | 232.2 | 211.1 | 227.9 |
| 55° | 160.4 | 143.6 | 143.6 | 139.3 | 130.8 | 126.7 | 114.0 | 126.7 |
| 57.5° | 80.2 | 71.8 | 71.8 | 71.8 | 67.5 | 63.3 | 54.9 | 54.9 |
| 60° | 33.7 | 29.6 | 29.6 | 25.3 | 21.2 | 16.9 | 12.7 | 16.9 |
| 62.5° | 12.7 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 |
| 65° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 67.5° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 70° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)