

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: **LD4C75D010 EX4C759027 4LBSQLWWLI**

Issue Date: 2/18/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**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: LD4C75D010 EX4C759027 4LBSQLWWLI  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBSQLWW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

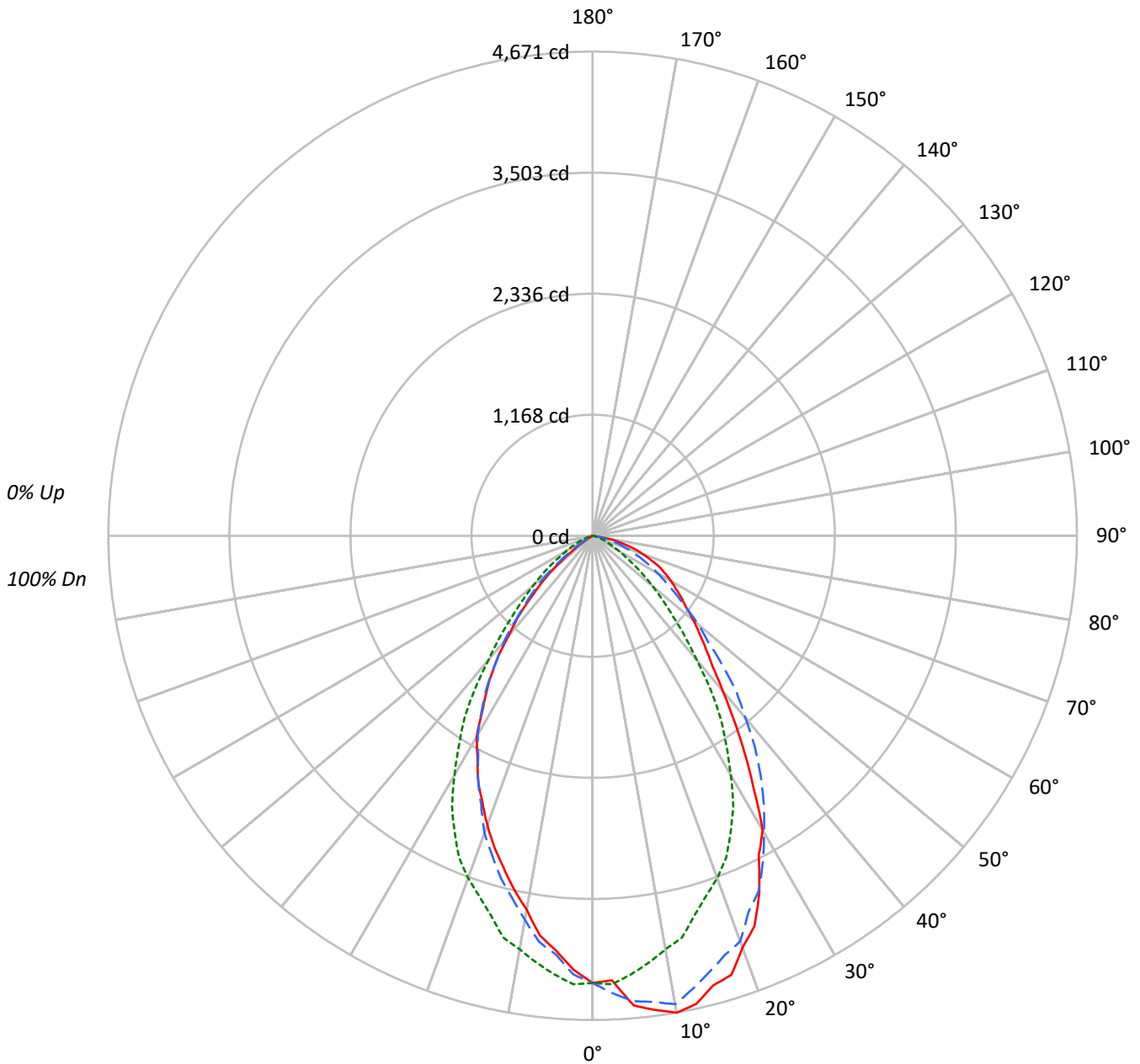
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6184.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 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): 81.5  
Input Voltage (V):  
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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CATALOG NUMBER: LD4C75D010 EX4C759027 4LBSQLWWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 416263 | 416263 | 416263 |
| 5°  | 440411 | 411354 | 389309 |
| 10° | 457672 | 396848 | 358823 |
| 15° | 448518 | 378753 | 331224 |
| 20° | 433962 | 360658 | 304881 |
| 25° | 404796 | 335382 | 278115 |
| 30° | 365410 | 296812 | 248992 |
| 35° | 301004 | 254099 | 206559 |
| 40° | 245642 | 196128 | 158983 |
| 45° | 211056 | 148942 | 114350 |
| 50° | 191015 | 113378 | 72218  |
| 55° | 175776 | 81790  | 26108  |
| 60° | 168720 | 55886  | 3995   |
| 65° | 162969 | 37808  | 1210   |
| 70° | 145910 | 26237  | 1495   |
| 75° | 119596 | 13533  | 0      |
| 80° | 74791  | 5723   | 0      |
| 85° | 0      | 0      | 0      |



TEST NUMBER: P#

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 404.2  | 6.5       |
| 10°-20°   | 1089.0 | 17.6      |
| 20°-30°   | 1454.2 | 23.5      |
| 30°-40°   | 1380.4 | 22.3      |
| 40°-50°   | 954.2  | 15.4      |
| 50°-60°   | 527.2  | 8.5       |
| 60°-70°   | 261.8  | 4.2       |
| 70°-80°   | 103.1  | 1.7       |
| 80°-90°   | 9.8    | 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°    | 2947.4 | 47.7      |
| 0°-40°    | 4327.8 | 70.0      |
| 0°-60°    | 5809.2 | 93.9      |
| 0°-90°    | 6184.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6184.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 4314 | 4314 | 4314 | 4314 | 4314 |      |
| 5°  | 4547 | 4506 | 4247 | 4056 | 4019 | 435  |
| 15° | 4490 | 4356 | 3792 | 3419 | 3316 | 1270 |
| 25° | 3802 | 3787 | 3150 | 2612 | 2612 | 1733 |
| 35° | 2555 | 2824 | 2157 | 1774 | 1754 | 1601 |
| 45° | 1547 | 1774 | 1092 | 895  | 838  | 1206 |
| 55° | 1045 | 983  | 486  | 248  | 155  | 941  |
| 65° | 714  | 517  | 166  | 5    | 5    | 693  |
| 75° | 321  | 197  | 36   | 0    | 0    | 342  |
| 85° | 0    | 5    | 0    | 0    | 0    | 30   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 |
| 2.5°  | 4293.4 | 4412.4 | 4422.7 | 4412.4 | 4428.0 | 4422.7 | 4448.7 | 4422.7 | 4453.9 | 4407.3 | 4417.7 |
| 5°    | 4547.0 | 4500.3 | 4598.6 | 4547.0 | 4547.0 | 4541.9 | 4526.3 | 4521.0 | 4541.9 | 4474.6 | 4505.6 |
| 7.5°  | 4614.2 | 4681.5 | 4769.5 | 4660.9 | 4665.9 | 4665.9 | 4634.9 | 4624.6 | 4624.6 | 4500.3 | 4536.6 |
| 10°   | 4671.2 | 4629.6 | 4676.3 | 4634.9 | 4671.2 | 4665.9 | 4686.6 | 4619.3 | 4665.9 | 4593.6 | 4588.3 |
| 12.5° | 4624.6 | 4609.0 | 4671.2 | 4603.9 | 4583.2 | 4588.3 | 4562.6 | 4547.0 | 4562.6 | 4479.7 | 4474.6 |
| 15°   | 4490.0 | 4505.6 | 4598.6 | 4526.3 | 4516.0 | 4505.6 | 4474.6 | 4422.7 | 4464.3 | 4350.4 | 4355.6 |
| 17.5° | 4443.6 | 4417.7 | 4433.3 | 4371.0 | 4386.7 | 4376.3 | 4371.0 | 4324.6 | 4314.1 | 4241.7 | 4241.7 |
| 20°   | 4226.3 | 4283.1 | 4283.1 | 4241.7 | 4241.7 | 4236.7 | 4169.4 | 4210.7 | 4164.1 | 4143.5 | 4164.1 |
| 22.5° | 4076.2 | 4081.4 | 4081.4 | 4045.2 | 4050.4 | 4029.8 | 3993.5 | 3967.5 | 3993.5 | 3967.5 | 3926.2 |
| 25°   | 3802.2 | 3812.5 | 3874.5 | 3807.2 | 3796.9 | 3817.6 | 3786.6 | 3771.0 | 3765.9 | 3703.9 | 3786.6 |
| 27.5° | 3471.0 | 3574.4 | 3569.3 | 3543.4 | 3574.4 | 3533.0 | 3517.6 | 3522.7 | 3538.3 | 3533.0 | 3553.7 |
| 30°   | 3279.7 | 3295.1 | 3310.7 | 3290.0 | 3295.1 | 3279.7 | 3279.7 | 3284.8 | 3326.1 | 3310.7 | 3305.4 |
| 32.5° | 2891.6 | 2943.3 | 2984.8 | 2984.8 | 2989.9 | 3005.5 | 3000.2 | 3108.9 | 3134.8 | 3083.1 | 3072.8 |
| 35°   | 2555.4 | 2591.7 | 2627.7 | 2633.0 | 2700.3 | 2705.4 | 2710.6 | 2741.6 | 2814.0 | 2829.6 | 2824.3 |
| 37.5° | 2234.8 | 2270.8 | 2281.2 | 2327.8 | 2364.1 | 2400.1 | 2441.7 | 2483.0 | 2545.0 | 2596.7 | 2571.0 |
| 40°   | 1950.2 | 1965.6 | 1991.6 | 2012.2 | 2084.6 | 2084.6 | 2105.3 | 2188.2 | 2255.4 | 2296.8 | 2291.5 |
| 42.5° | 1712.3 | 1717.4 | 1738.0 | 1774.3 | 1841.6 | 1826.0 | 1841.6 | 1898.6 | 1996.6 | 2001.9 | 2058.9 |
| 45°   | 1546.7 | 1541.5 | 1557.1 | 1562.1 | 1603.7 | 1624.3 | 1634.7 | 1676.0 | 1758.7 | 1769.1 | 1774.3 |
| 47.5° | 1396.8 | 1391.5 | 1417.4 | 1427.8 | 1443.2 | 1463.8 | 1463.8 | 1469.1 | 1500.1 | 1526.1 | 1505.4 |
| 50°   | 1272.5 | 1272.5 | 1272.5 | 1282.9 | 1308.8 | 1303.5 | 1308.8 | 1329.5 | 1344.9 | 1334.5 | 1329.5 |
| 52.5° | 1138.0 | 1158.6 | 1174.2 | 1179.5 | 1184.6 | 1184.6 | 1189.8 | 1179.5 | 1174.2 | 1158.6 | 1127.6 |
| 55°   | 1044.9 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1086.3 | 1060.5 | 1065.6 | 1065.6 | 1024.3 | 982.9  |
| 57.5° | 951.9  | 972.6  | 988.0  | 967.3  | 988.0  | 967.3  | 957.0  | 951.9  | 941.4  | 900.0  | 838.0  |
| 60°   | 874.3  | 884.6  | 879.4  | 874.3  | 884.6  | 869.0  | 858.7  | 838.0  | 827.7  | 770.7  | 729.4  |
| 62.5° | 786.3  | 791.4  | 796.7  | 786.3  | 776.0  | 770.7  | 750.1  | 719.1  | 698.4  | 651.8  | 615.5  |
| 65°   | 713.8  | 698.4  | 693.1  | 688.0  | 677.7  | 662.1  | 646.7  | 610.4  | 594.8  | 553.5  | 517.2  |
| 67.5° | 605.2  | 600.1  | 610.4  | 594.8  | 569.1  | 569.1  | 553.5  | 522.5  | 486.2  | 460.5  | 424.2  |
| 70°   | 517.2  | 512.1  | 501.8  | 486.2  | 481.1  | 460.5  | 460.5  | 424.2  | 413.8  | 367.2  | 336.2  |
| 72.5° | 424.2  | 424.2  | 408.6  | 393.2  | 377.6  | 367.2  | 362.2  | 336.2  | 320.8  | 294.9  | 268.9  |
| 75°   | 320.8  | 320.8  | 315.5  | 299.9  | 289.6  | 279.3  | 274.2  | 253.5  | 237.9  | 212.2  | 196.6  |
| 77.5° | 227.6  | 227.6  | 206.9  | 196.6  | 201.7  | 191.3  | 181.0  | 175.9  | 170.6  | 155.2  | 134.6  |
| 80°   | 134.6  | 129.3  | 113.9  | 119.0  | 113.9  | 113.9  | 108.6  | 103.4  | 93.0   | 82.7   | 72.4   |
| 82.5° | 36.3   | 41.3   | 41.3   | 41.3   | 46.6   | 36.3   | 36.3   | 36.3   | 41.3   | 41.3   | 25.9   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 5.3    | 5.3    | 5.3    |
| 87.5° | 5.3    | 10.3   | 20.7   | 20.7   | 20.7   | 20.7   | 20.7   | 15.6   | 15.6   | 15.6   | 10.3   |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 |
| 2.5°  | 4366.0 | 4360.7 | 4366.0 | 4329.7 | 4412.4 | 4350.4 | 4340.0 | 4329.7 | 4366.0 | 4329.7 | 4278.0 |
| 5°    | 4459.0 | 4407.3 | 4391.7 | 4376.3 | 4422.7 | 4350.4 | 4335.0 | 4340.0 | 4314.1 | 4247.0 | 4252.1 |
| 7.5°  | 4490.0 | 4443.6 | 4397.0 | 4298.7 | 4340.0 | 4324.6 | 4283.1 | 4252.1 | 4210.7 | 4153.8 | 4143.5 |
| 10°   | 4500.3 | 4448.7 | 4381.4 | 4350.4 | 4288.4 | 4267.7 | 4252.1 | 4200.4 | 4148.7 | 4050.4 | 4024.5 |
| 12.5° | 4469.3 | 4407.3 | 4324.6 | 4298.7 | 4252.1 | 4184.8 | 4148.7 | 4096.8 | 4050.4 | 3972.8 | 3915.9 |
| 15°   | 4335.0 | 4283.1 | 4257.4 | 4169.4 | 4148.7 | 4107.2 | 4034.8 | 3962.5 | 3895.2 | 3791.6 | 3760.6 |
| 17.5° | 4179.7 | 4159.1 | 4133.1 | 4065.8 | 4060.8 | 4019.4 | 3952.1 | 3889.9 | 3802.2 | 3641.7 | 3590.0 |
| 20°   | 4019.4 | 4019.4 | 3936.5 | 3910.8 | 3962.5 | 3879.6 | 3827.9 | 3771.0 | 3590.0 | 3512.4 | 3419.3 |
| 22.5° | 3900.5 | 3843.5 | 3796.9 | 3755.6 | 3760.6 | 3708.9 | 3636.6 | 3522.7 | 3455.4 | 3362.4 | 3253.8 |
| 25°   | 3667.6 | 3688.3 | 3584.9 | 3569.3 | 3584.9 | 3465.8 | 3429.7 | 3336.5 | 3238.2 | 3150.2 | 3067.5 |
| 27.5° | 3522.7 | 3465.8 | 3398.7 | 3341.7 | 3341.7 | 3295.1 | 3191.7 | 3171.1 | 3020.9 | 2938.2 | 2834.7 |
| 30°   | 3305.4 | 3264.1 | 3207.2 | 3124.5 | 3114.1 | 3077.9 | 2995.2 | 2943.3 | 2788.2 | 2664.0 | 2607.1 |
| 32.5° | 3031.2 | 3015.8 | 2969.2 | 2876.2 | 2845.2 | 2803.6 | 2700.3 | 2612.3 | 2540.0 | 2400.1 | 2333.1 |
| 35°   | 2834.7 | 2777.9 | 2679.6 | 2602.0 | 2576.1 | 2503.7 | 2420.8 | 2358.8 | 2281.2 | 2157.2 | 2069.2 |
| 37.5° | 2540.0 | 2483.0 | 2389.8 | 2296.8 | 2296.8 | 2224.4 | 2110.5 | 2048.5 | 1939.9 | 1867.3 | 1795.0 |
| 40°   | 2281.2 | 2208.8 | 2115.8 | 2007.2 | 1991.6 | 1888.0 | 1841.6 | 1738.0 | 1670.8 | 1557.1 | 1546.7 |
| 42.5° | 1991.6 | 1924.3 | 1841.6 | 1758.7 | 1696.7 | 1645.0 | 1526.1 | 1448.4 | 1376.1 | 1319.1 | 1303.5 |
| 45°   | 1727.7 | 1639.8 | 1567.4 | 1463.8 | 1401.8 | 1339.8 | 1262.2 | 1210.5 | 1153.6 | 1091.5 | 1055.3 |
| 47.5° | 1500.1 | 1427.8 | 1324.2 | 1231.2 | 1169.2 | 1138.0 | 1050.0 | 993.3  | 946.6  | 905.3  | 879.4  |
| 50°   | 1267.5 | 1179.5 | 1122.6 | 1019.0 | 1008.7 | 936.3  | 864.0  | 817.3  | 791.4  | 755.3  | 719.1  |
| 52.5° | 1091.5 | 1008.7 | 931.0  | 853.6  | 812.1  | 786.3  | 719.1  | 672.4  | 636.4  | 610.4  | 589.8  |
| 55°   | 920.7  | 848.3  | 786.3  | 708.7  | 682.8  | 646.7  | 569.1  | 558.7  | 522.5  | 486.2  | 460.5  |
| 57.5° | 791.4  | 724.1  | 651.8  | 600.1  | 553.5  | 527.7  | 465.5  | 424.2  | 403.5  | 372.5  | 346.6  |
| 60°   | 672.4  | 600.1  | 543.1  | 481.1  | 460.5  | 424.2  | 377.6  | 341.5  | 315.5  | 289.6  | 263.9  |
| 62.5° | 563.8  | 501.8  | 439.8  | 387.9  | 356.9  | 336.2  | 299.9  | 268.9  | 243.2  | 222.5  | 201.7  |
| 65°   | 465.5  | 408.6  | 356.9  | 305.2  | 289.6  | 263.9  | 237.9  | 212.2  | 191.3  | 165.6  | 144.9  |
| 67.5° | 382.8  | 331.2  | 279.3  | 243.2  | 227.6  | 217.3  | 186.2  | 160.3  | 144.9  | 129.3  | 108.6  |
| 70°   | 299.9  | 263.9  | 222.5  | 191.3  | 175.9  | 160.3  | 139.6  | 124.2  | 103.4  | 93.0   | 77.6   |
| 72.5° | 232.9  | 201.7  | 165.6  | 139.6  | 129.3  | 119.0  | 98.3   | 82.7   | 72.4   | 62.0   | 51.7   |
| 75°   | 165.6  | 139.6  | 119.0  | 93.0   | 88.0   | 82.7   | 67.3   | 56.9   | 46.6   | 36.3   | 31.0   |
| 77.5° | 113.9  | 93.0   | 72.4   | 62.0   | 56.9   | 46.6   | 41.3   | 31.0   | 25.9   | 20.7   | 15.6   |
| 80°   | 62.0   | 46.6   | 36.3   | 31.0   | 25.9   | 20.7   | 20.7   | 15.6   | 10.3   | 10.3   | 5.3    |
| 82.5° | 20.7   | 15.6   | 10.3   | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 0.0    | 5.3    |
| 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° | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 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#

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 |
| 2.5°  | 4309.0 | 4252.1 | 4267.7 | 4267.7 | 4257.4 | 4257.4 | 4247.0 | 4231.4 | 4236.7 | 4205.5 | 4138.4 |
| 5°    | 4262.4 | 4190.1 | 4179.7 | 4190.1 | 4148.7 | 4138.4 | 4117.7 | 4148.7 | 4055.5 | 4091.8 | 4050.4 |
| 7.5°  | 4128.1 | 4060.8 | 4045.2 | 4081.4 | 4029.8 | 3998.6 | 3993.5 | 4034.8 | 3952.1 | 3910.8 | 3864.2 |
| 10°   | 3977.9 | 3952.1 | 3905.5 | 3879.6 | 3864.2 | 3869.3 | 3827.9 | 3776.2 | 3760.6 | 3750.3 | 3708.9 |
| 12.5° | 3843.5 | 3786.6 | 3745.2 | 3714.2 | 3703.9 | 3703.9 | 3636.6 | 3626.3 | 3579.6 | 3569.3 | 3507.3 |
| 15°   | 3683.0 | 3615.9 | 3590.0 | 3548.6 | 3512.4 | 3533.0 | 3455.4 | 3434.7 | 3419.3 | 3352.1 | 3362.4 |
| 17.5° | 3543.4 | 3471.0 | 3409.0 | 3383.1 | 3352.1 | 3321.0 | 3248.5 | 3264.1 | 3227.8 | 3227.8 | 3134.8 |
| 20°   | 3362.4 | 3284.8 | 3238.2 | 3186.5 | 3186.5 | 3145.1 | 3093.5 | 3098.5 | 3051.9 | 3005.5 | 2922.6 |
| 22.5° | 3171.1 | 3088.2 | 3031.2 | 3010.6 | 2958.9 | 2948.6 | 2886.5 | 2870.9 | 2808.9 | 2814.0 | 2741.6 |
| 25°   | 2969.2 | 2886.5 | 2808.9 | 2814.0 | 2767.6 | 2746.9 | 2710.6 | 2638.3 | 2612.3 | 2581.3 | 2560.7 |
| 27.5° | 2731.3 | 2674.3 | 2607.1 | 2602.0 | 2514.0 | 2519.1 | 2472.7 | 2452.0 | 2389.8 | 2405.4 | 2358.8 |
| 30°   | 2514.0 | 2431.4 | 2369.1 | 2353.7 | 2317.5 | 2307.1 | 2234.8 | 2203.6 | 2214.1 | 2172.6 | 2146.8 |
| 32.5° | 2291.5 | 2167.5 | 2141.5 | 2110.5 | 2089.9 | 2063.9 | 2012.2 | 2032.9 | 1986.3 | 1996.6 | 1955.3 |
| 35°   | 1996.6 | 1945.0 | 1877.7 | 1877.7 | 1857.0 | 1836.3 | 1800.3 | 1820.9 | 1774.3 | 1753.6 | 1712.3 |
| 37.5° | 1748.4 | 1702.0 | 1634.7 | 1655.4 | 1619.1 | 1588.1 | 1557.1 | 1562.1 | 1520.8 | 1515.7 | 1474.2 |
| 40°   | 1479.4 | 1453.5 | 1407.1 | 1407.1 | 1381.2 | 1381.2 | 1365.5 | 1350.1 | 1324.2 | 1293.2 | 1246.6 |
| 42.5° | 1225.9 | 1205.2 | 1184.6 | 1189.8 | 1153.6 | 1184.6 | 1143.2 | 1169.2 | 1086.3 | 1081.2 | 1050.0 |
| 45°   | 1039.7 | 993.3  | 998.3  | 977.6  | 957.0  | 967.3  | 931.0  | 941.4  | 895.0  | 884.6  | 853.6  |
| 47.5° | 843.3  | 827.7  | 796.7  | 786.3  | 786.3  | 770.7  | 755.3  | 750.1  | 729.4  | 703.4  | 662.1  |
| 50°   | 693.1  | 636.4  | 625.8  | 610.4  | 600.1  | 600.1  | 579.4  | 548.4  | 553.5  | 527.7  | 486.2  |
| 52.5° | 543.1  | 496.5  | 475.9  | 470.8  | 450.1  | 439.8  | 413.8  | 393.2  | 377.6  | 367.2  | 341.5  |
| 55°   | 418.9  | 377.6  | 351.8  | 351.8  | 320.8  | 320.8  | 284.5  | 268.9  | 248.3  | 227.6  | 212.2  |
| 57.5° | 315.5  | 294.9  | 268.9  | 248.3  | 237.9  | 212.2  | 191.3  | 165.6  | 150.0  | 119.0  | 98.3   |
| 60°   | 237.9  | 217.3  | 191.3  | 175.9  | 165.6  | 139.6  | 113.9  | 93.0   | 56.9   | 46.6   | 41.3   |
| 62.5° | 175.9  | 155.2  | 129.3  | 119.0  | 108.6  | 88.0   | 62.0   | 31.0   | 15.6   | 15.6   | 15.6   |
| 65°   | 129.3  | 103.4  | 82.7   | 72.4   | 62.0   | 46.6   | 20.7   | 10.3   | 5.3    | 5.3    | 5.3    |
| 67.5° | 88.0   | 67.3   | 46.6   | 41.3   | 31.0   | 15.6   | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 70°   | 56.9   | 41.3   | 20.7   | 15.6   | 10.3   | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 72.5° | 36.3   | 20.7   | 10.3   | 5.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 20.7   | 10.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 10.3   | 5.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 5.3    | 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    | 5.3    | 5.3    | 5.3    |
| 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: LD4C75D010 EX4C759027 4LBSQLWWLI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 | 4314.1 |
| 2.5°  | 4210.7 | 4174.5 | 4195.1 | 4148.7 | 4169.4 | 4205.5 | 4179.7 | 4190.1 |
| 5°    | 4065.8 | 4045.2 | 4019.4 | 3952.1 | 4003.8 | 4045.2 | 4024.5 | 4019.4 |
| 7.5°  | 3910.8 | 3838.2 | 3874.5 | 3853.9 | 3843.5 | 3884.9 | 3838.2 | 3889.9 |
| 10°   | 3750.3 | 3698.6 | 3693.5 | 3657.3 | 3657.3 | 3688.3 | 3693.5 | 3662.3 |
| 12.5° | 3512.4 | 3486.6 | 3486.6 | 3481.4 | 3476.1 | 3507.3 | 3512.4 | 3497.0 |
| 15°   | 3341.7 | 3331.4 | 3305.4 | 3300.4 | 3269.4 | 3315.8 | 3321.0 | 3315.8 |
| 17.5° | 3134.8 | 3139.9 | 3114.1 | 3114.1 | 3134.8 | 3150.2 | 3108.9 | 3150.2 |
| 20°   | 2995.2 | 2969.2 | 2958.9 | 2912.3 | 2938.2 | 2964.2 | 2964.2 | 2969.2 |
| 22.5° | 2793.3 | 2752.0 | 2767.6 | 2741.6 | 2726.0 | 2762.3 | 2762.3 | 2777.9 |
| 25°   | 2565.7 | 2565.7 | 2576.1 | 2560.7 | 2571.0 | 2591.7 | 2576.1 | 2612.3 |
| 27.5° | 2348.5 | 2369.1 | 2369.1 | 2348.5 | 2358.8 | 2420.8 | 2446.8 | 2405.4 |
| 30°   | 2146.8 | 2151.9 | 2167.5 | 2157.2 | 2188.2 | 2208.8 | 2203.6 | 2234.8 |
| 32.5° | 1919.2 | 1945.0 | 1955.3 | 1939.9 | 1950.2 | 1996.6 | 1970.9 | 1965.6 |
| 35°   | 1743.3 | 1696.7 | 1691.6 | 1696.7 | 1717.4 | 1727.7 | 1717.4 | 1753.6 |
| 37.5° | 1489.8 | 1474.2 | 1453.5 | 1458.8 | 1474.2 | 1495.0 | 1505.4 | 1531.1 |
| 40°   | 1246.6 | 1225.9 | 1225.9 | 1220.8 | 1205.2 | 1262.2 | 1262.2 | 1262.2 |
| 42.5° | 1034.6 | 1029.3 | 1003.6 | 1003.6 | 1024.3 | 1039.7 | 1029.3 | 1065.6 |
| 45°   | 848.3  | 827.7  | 812.1  | 812.1  | 827.7  | 827.7  | 843.3  | 838.0  |
| 47.5° | 667.4  | 646.7  | 651.8  | 636.4  | 651.8  | 672.4  | 646.7  | 651.8  |
| 50°   | 501.8  | 501.8  | 491.5  | 501.8  | 496.5  | 501.8  | 491.5  | 481.1  |
| 52.5° | 341.5  | 387.9  | 393.2  | 372.5  | 325.9  | 284.5  | 258.6  | 279.3  |
| 55°   | 196.6  | 175.9  | 175.9  | 170.6  | 160.3  | 155.2  | 139.6  | 155.2  |
| 57.5° | 98.3   | 88.0   | 88.0   | 88.0   | 82.7   | 77.6   | 67.3   | 67.3   |
| 60°   | 41.3   | 36.3   | 36.3   | 31.0   | 25.9   | 20.7   | 15.6   | 20.7   |
| 62.5° | 15.6   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   |
| 65°   | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 67.5° | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 70°   | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 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)