

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: **LD4C80D010 EX4C809027 4LBSQLWWH**

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: LD4C80D010 EX4C809027 4LBSQLWWH
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBSQLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

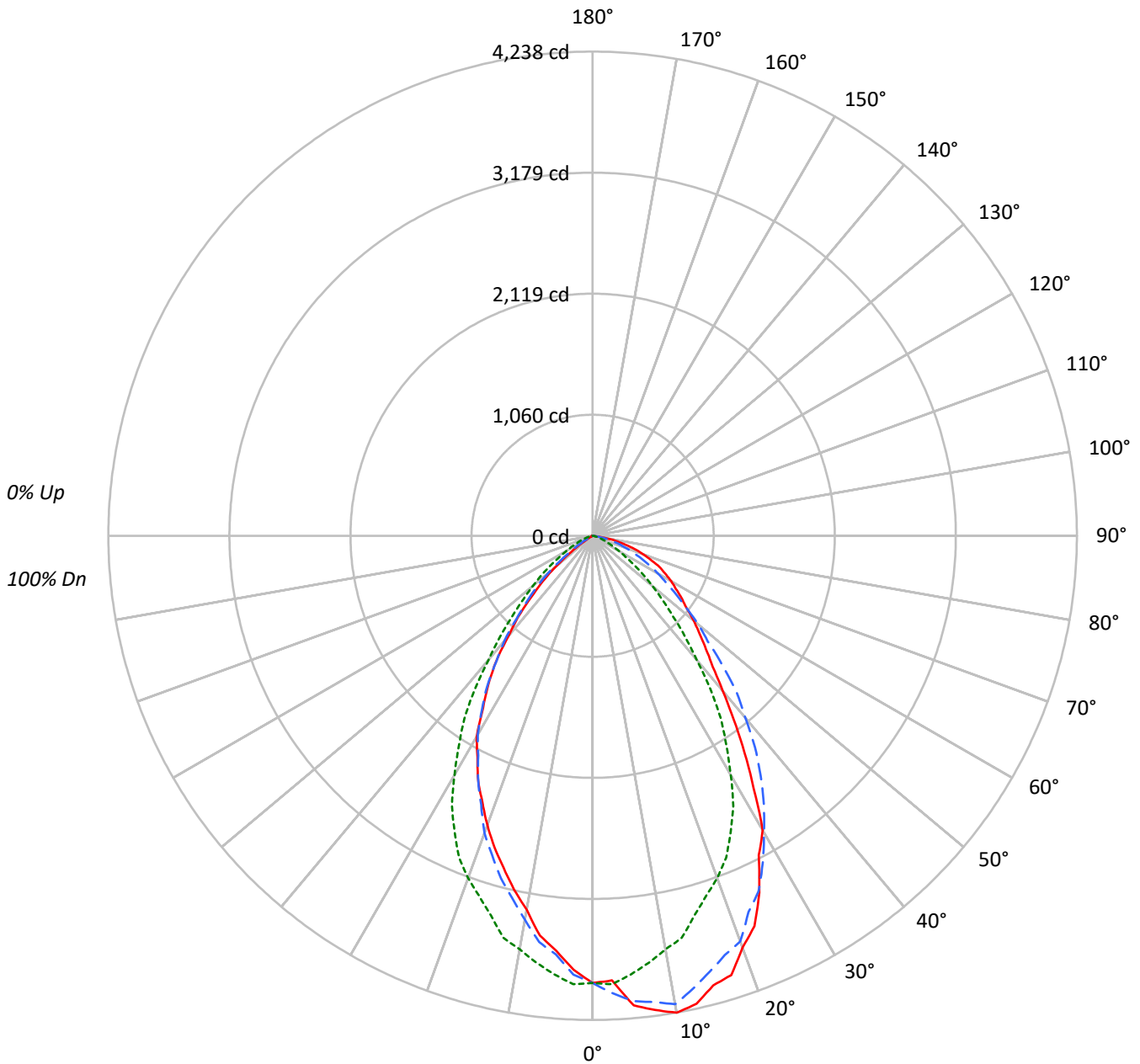
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5611.0 lumens
Efficiency: N/A
Efficacy: 62.7 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): 89.5
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: LD4C80D010 EX4C809027 4LBSQLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C80D010 EX4C809027 4LBSQLWWH

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° | 377696 | 377696 | 377696 |
| 5° | 399595 | 373240 | 353239 |
| 10° | 415267 | 360077 | 325579 |
| 15° | 406963 | 343661 | 300527 |
| 20° | 393752 | 327235 | 276634 |
| 25° | 367289 | 304305 | 252351 |
| 30° | 331551 | 269314 | 225918 |
| 35° | 273111 | 230553 | 187429 |
| 40° | 222881 | 177952 | 144246 |
| 45° | 191502 | 135146 | 103761 |
| 50° | 173317 | 102870 | 65523 |
| 55° | 159492 | 74203 | 23703 |
| 60° | 153089 | 50715 | 3628 |
| 65° | 147855 | 34292 | 1096 |
| 70° | 132396 | 23810 | 1354 |
| 75° | 108523 | 12265 | 0 |
| 80° | 67846 | 5223 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C80D010 EX4C809027 4LBSQLWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 366.8 | 6.5 |
| 10°-20° | 988.1 | 17.6 |
| 20°-30° | 1319.4 | 23.5 |
| 30°-40° | 1252.5 | 22.3 |
| 40°-50° | 865.8 | 15.4 |
| 50°-60° | 478.4 | 8.5 |
| 60°-70° | 237.6 | 4.2 |
| 70°-80° | 93.6 | 1.7 |
| 80°-90° | 8.9 | 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° | 2674.3 | 47.7 |
| 0°-40° | 3926.8 | 70.0 |
| 0°-60° | 5270.9 | 93.9 |
| 0°-90° | 5611.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5611.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3914 | 3914 | 3914 | 3914 | 3914 | |
| 5° | 4126 | 4088 | 3854 | 3680 | 3647 | 395 |
| 15° | 4074 | 3952 | 3440 | 3102 | 3008 | 1152 |
| 25° | 3450 | 3436 | 2858 | 2370 | 2370 | 1573 |
| 35° | 2319 | 2563 | 1957 | 1610 | 1591 | 1453 |
| 45° | 1403 | 1610 | 990 | 812 | 760 | 1095 |
| 55° | 948 | 892 | 441 | 225 | 141 | 853 |
| 65° | 648 | 469 | 150 | 5 | 5 | 629 |
| 75° | 291 | 178 | 33 | 0 | 0 | 310 |
| 85° | 0 | 5 | 0 | 0 | 0 | 27 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C80D010 EX4C809027 4LBSQLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 |
| 2.5° | 3895.6 | 4003.5 | 4012.9 | 4003.5 | 4017.7 | 4012.9 | 4036.5 | 4012.9 | 4041.2 | 3998.9 | 4008.3 |
| 5° | 4125.6 | 4083.4 | 4172.5 | 4125.6 | 4125.6 | 4121.0 | 4106.9 | 4102.1 | 4121.0 | 4060.0 | 4088.1 |
| 7.5° | 4186.7 | 4247.7 | 4327.6 | 4229.0 | 4233.6 | 4233.6 | 4205.5 | 4196.1 | 4196.1 | 4083.4 | 4116.3 |
| 10° | 4238.4 | 4200.7 | 4243.0 | 4205.5 | 4238.4 | 4233.6 | 4252.3 | 4191.3 | 4233.6 | 4167.9 | 4163.2 |
| 12.5° | 4196.1 | 4181.9 | 4238.4 | 4177.3 | 4158.6 | 4163.2 | 4139.8 | 4125.6 | 4139.8 | 4064.6 | 4060.0 |
| 15° | 4074.0 | 4088.1 | 4172.5 | 4106.9 | 4097.5 | 4088.1 | 4060.0 | 4012.9 | 4050.6 | 3947.3 | 3952.1 |
| 17.5° | 4031.9 | 4008.3 | 4022.5 | 3966.0 | 3980.2 | 3970.8 | 3966.0 | 3923.9 | 3914.4 | 3848.7 | 3848.7 |
| 20° | 3834.7 | 3886.2 | 3886.2 | 3848.7 | 3848.7 | 3844.1 | 3783.1 | 3820.6 | 3778.3 | 3759.5 | 3778.3 |
| 22.5° | 3698.5 | 3703.3 | 3703.3 | 3670.3 | 3675.1 | 3656.4 | 3623.5 | 3599.9 | 3623.5 | 3599.9 | 3562.4 |
| 25° | 3449.9 | 3459.2 | 3515.5 | 3454.5 | 3445.1 | 3463.8 | 3435.7 | 3421.5 | 3417.0 | 3360.7 | 3435.7 |
| 27.5° | 3149.4 | 3243.2 | 3238.6 | 3215.0 | 3243.2 | 3205.7 | 3191.7 | 3196.3 | 3210.4 | 3205.7 | 3224.4 |
| 30° | 2975.8 | 2989.8 | 3003.9 | 2985.2 | 2989.8 | 2975.8 | 2975.8 | 2980.4 | 3017.9 | 3003.9 | 2999.2 |
| 32.5° | 2623.7 | 2670.6 | 2708.3 | 2708.3 | 2712.9 | 2727.0 | 2722.2 | 2820.8 | 2844.3 | 2797.4 | 2788.1 |
| 35° | 2318.6 | 2351.5 | 2384.3 | 2389.0 | 2450.1 | 2454.7 | 2459.5 | 2487.6 | 2553.2 | 2567.4 | 2562.6 |
| 37.5° | 2027.7 | 2060.4 | 2069.8 | 2112.1 | 2145.0 | 2177.8 | 2215.4 | 2253.0 | 2309.2 | 2356.1 | 2332.8 |
| 40° | 1769.5 | 1783.5 | 1807.0 | 1825.8 | 1891.4 | 1891.4 | 1910.2 | 1985.4 | 2046.5 | 2084.0 | 2079.2 |
| 42.5° | 1553.6 | 1558.2 | 1577.0 | 1609.9 | 1671.0 | 1656.8 | 1671.0 | 1722.6 | 1811.6 | 1816.4 | 1868.1 |
| 45° | 1403.4 | 1398.6 | 1412.8 | 1417.4 | 1455.1 | 1473.8 | 1483.2 | 1520.7 | 1595.8 | 1605.1 | 1609.9 |
| 47.5° | 1267.3 | 1262.6 | 1286.1 | 1295.5 | 1309.4 | 1328.2 | 1328.2 | 1333.0 | 1361.1 | 1384.7 | 1365.9 |
| 50° | 1154.6 | 1154.6 | 1154.6 | 1164.0 | 1187.5 | 1182.7 | 1187.5 | 1206.3 | 1220.3 | 1210.9 | 1206.3 |
| 52.5° | 1032.5 | 1051.3 | 1065.4 | 1070.2 | 1074.8 | 1074.8 | 1079.6 | 1070.2 | 1065.4 | 1051.3 | 1023.1 |
| 55° | 948.1 | 966.9 | 966.9 | 966.9 | 966.9 | 985.6 | 962.3 | 966.9 | 966.9 | 929.4 | 891.8 |
| 57.5° | 863.7 | 882.5 | 896.4 | 877.7 | 896.4 | 877.7 | 868.3 | 863.7 | 854.1 | 816.6 | 760.4 |
| 60° | 793.3 | 802.7 | 797.9 | 793.3 | 802.7 | 788.5 | 779.1 | 760.4 | 751.0 | 699.3 | 661.8 |
| 62.5° | 713.5 | 718.1 | 722.9 | 713.5 | 704.1 | 699.3 | 680.6 | 652.4 | 633.7 | 591.4 | 558.5 |
| 65° | 647.6 | 633.7 | 628.9 | 624.3 | 614.9 | 600.8 | 586.8 | 553.9 | 539.7 | 502.2 | 469.3 |
| 67.5° | 549.1 | 544.5 | 553.9 | 539.7 | 516.3 | 516.3 | 502.2 | 474.1 | 441.1 | 417.8 | 384.9 |
| 70° | 469.3 | 464.7 | 455.3 | 441.1 | 436.5 | 417.8 | 417.8 | 384.9 | 375.5 | 333.2 | 305.1 |
| 72.5° | 384.9 | 384.9 | 370.7 | 356.7 | 342.6 | 333.2 | 328.6 | 305.1 | 291.1 | 267.6 | 244.0 |
| 75° | 291.1 | 291.1 | 286.3 | 272.1 | 262.8 | 253.4 | 248.8 | 230.0 | 215.9 | 192.5 | 178.4 |
| 77.5° | 206.5 | 206.5 | 187.7 | 178.4 | 183.0 | 173.6 | 164.2 | 159.6 | 154.8 | 140.9 | 122.1 |
| 80° | 122.1 | 117.3 | 103.3 | 107.9 | 103.3 | 103.3 | 98.6 | 93.8 | 84.4 | 75.0 | 65.6 |
| 82.5° | 32.9 | 37.5 | 37.5 | 37.5 | 42.3 | 32.9 | 32.9 | 32.9 | 37.5 | 37.5 | 23.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 4.8 | 4.8 |
| 87.5° | 4.8 | 9.4 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 14.2 | 14.2 | 14.2 | 9.4 |
| 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: LD4C80D010 EX4C809027 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 |
| 2.5° | 3961.4 | 3956.7 | 3961.4 | 3928.5 | 4003.5 | 3947.3 | 3937.9 | 3928.5 | 3961.4 | 3928.5 | 3881.6 |
| 5° | 4045.8 | 3998.9 | 3984.8 | 3970.8 | 4012.9 | 3947.3 | 3933.3 | 3937.9 | 3914.4 | 3853.5 | 3858.1 |
| 7.5° | 4074.0 | 4031.9 | 3989.6 | 3900.4 | 3937.9 | 3923.9 | 3886.2 | 3858.1 | 3820.6 | 3768.9 | 3759.5 |
| 10° | 4083.4 | 4036.5 | 3975.4 | 3947.3 | 3891.0 | 3872.3 | 3858.1 | 3811.2 | 3764.3 | 3675.1 | 3651.6 |
| 12.5° | 4055.2 | 3998.9 | 3923.9 | 3900.4 | 3858.1 | 3797.0 | 3764.3 | 3717.2 | 3675.1 | 3604.7 | 3553.0 |
| 15° | 3933.3 | 3886.2 | 3862.9 | 3783.1 | 3764.3 | 3726.6 | 3661.0 | 3595.3 | 3534.3 | 3440.3 | 3412.2 |
| 17.5° | 3792.4 | 3773.7 | 3750.2 | 3689.1 | 3684.5 | 3647.0 | 3585.9 | 3529.5 | 3449.9 | 3304.2 | 3257.3 |
| 20° | 3647.0 | 3647.0 | 3571.8 | 3548.4 | 3595.3 | 3520.1 | 3473.2 | 3421.5 | 3257.3 | 3186.9 | 3102.5 |
| 22.5° | 3539.1 | 3487.4 | 3445.1 | 3407.6 | 3412.2 | 3365.3 | 3299.6 | 3196.3 | 3135.2 | 3050.8 | 2952.3 |
| 25° | 3327.8 | 3346.5 | 3252.7 | 3238.6 | 3252.7 | 3144.6 | 3111.9 | 3027.3 | 2938.1 | 2858.3 | 2783.3 |
| 27.5° | 3196.3 | 3144.6 | 3083.8 | 3032.1 | 3032.1 | 2989.8 | 2896.0 | 2877.3 | 2741.0 | 2666.0 | 2572.0 |
| 30° | 2999.2 | 2961.7 | 2910.0 | 2835.0 | 2825.6 | 2792.7 | 2717.6 | 2670.6 | 2529.9 | 2417.2 | 2365.5 |
| 32.5° | 2750.4 | 2736.4 | 2694.1 | 2609.7 | 2581.6 | 2543.9 | 2450.1 | 2370.3 | 2304.6 | 2177.8 | 2116.9 |
| 35° | 2572.0 | 2520.5 | 2431.3 | 2360.9 | 2337.4 | 2271.7 | 2196.5 | 2140.2 | 2069.8 | 1957.3 | 1877.5 |
| 37.5° | 2304.6 | 2253.0 | 2168.4 | 2084.0 | 2084.0 | 2018.3 | 1915.0 | 1858.7 | 1760.1 | 1694.3 | 1628.7 |
| 40° | 2069.8 | 2004.2 | 1919.8 | 1821.2 | 1807.0 | 1713.1 | 1671.0 | 1577.0 | 1515.9 | 1412.8 | 1403.4 |
| 42.5° | 1807.0 | 1746.0 | 1671.0 | 1595.8 | 1539.5 | 1492.6 | 1384.7 | 1314.2 | 1248.6 | 1196.9 | 1182.7 |
| 45° | 1567.6 | 1487.8 | 1422.2 | 1328.2 | 1271.9 | 1215.7 | 1145.2 | 1098.3 | 1046.7 | 990.4 | 957.5 |
| 47.5° | 1361.1 | 1295.5 | 1201.5 | 1117.1 | 1060.8 | 1032.5 | 952.7 | 901.2 | 858.9 | 821.4 | 797.9 |
| 50° | 1150.0 | 1070.2 | 1018.5 | 924.6 | 915.2 | 849.5 | 783.9 | 741.6 | 718.1 | 685.3 | 652.4 |
| 52.5° | 990.4 | 915.2 | 844.8 | 774.5 | 736.8 | 713.5 | 652.4 | 610.1 | 577.4 | 553.9 | 535.1 |
| 55° | 835.4 | 769.7 | 713.5 | 643.0 | 619.5 | 586.8 | 516.3 | 507.0 | 474.1 | 441.1 | 417.8 |
| 57.5° | 718.1 | 657.0 | 591.4 | 544.5 | 502.2 | 478.8 | 422.4 | 384.9 | 366.1 | 338.0 | 314.4 |
| 60° | 610.1 | 544.5 | 492.8 | 436.5 | 417.8 | 384.9 | 342.6 | 309.8 | 286.3 | 262.8 | 239.4 |
| 62.5° | 511.6 | 455.3 | 399.0 | 352.0 | 323.8 | 305.1 | 272.1 | 244.0 | 220.7 | 201.9 | 183.0 |
| 65° | 422.4 | 370.7 | 323.8 | 276.9 | 262.8 | 239.4 | 215.9 | 192.5 | 173.6 | 150.2 | 131.5 |
| 67.5° | 347.4 | 300.5 | 253.4 | 220.7 | 206.5 | 197.1 | 169.0 | 145.5 | 131.5 | 117.3 | 98.6 |
| 70° | 272.1 | 239.4 | 201.9 | 173.6 | 159.6 | 145.5 | 126.7 | 112.7 | 93.8 | 84.4 | 70.4 |
| 72.5° | 211.3 | 183.0 | 150.2 | 126.7 | 117.3 | 107.9 | 89.2 | 75.0 | 65.6 | 56.3 | 46.9 |
| 75° | 150.2 | 126.7 | 107.9 | 84.4 | 79.8 | 75.0 | 61.0 | 51.7 | 42.3 | 32.9 | 28.1 |
| 77.5° | 103.3 | 84.4 | 65.6 | 56.3 | 51.7 | 42.3 | 37.5 | 28.1 | 23.5 | 18.8 | 14.2 |
| 80° | 56.3 | 42.3 | 32.9 | 28.1 | 23.5 | 18.8 | 18.8 | 14.2 | 9.4 | 9.4 | 4.8 |
| 82.5° | 18.8 | 14.2 | 9.4 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 0.0 | 4.8 |
| 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° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 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: LD4C80D010 EX4C809027 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 |
| 2.5° | 3909.8 | 3858.1 | 3872.3 | 3872.3 | 3862.9 | 3862.9 | 3853.5 | 3839.3 | 3844.1 | 3815.8 | 3754.9 |
| 5° | 3867.5 | 3801.8 | 3792.4 | 3801.8 | 3764.3 | 3754.9 | 3736.2 | 3764.3 | 3679.7 | 3712.6 | 3675.1 |
| 7.5° | 3745.6 | 3684.5 | 3670.3 | 3703.3 | 3656.4 | 3628.1 | 3623.5 | 3661.0 | 3585.9 | 3548.4 | 3506.1 |
| 10° | 3609.3 | 3585.9 | 3543.6 | 3520.1 | 3506.1 | 3510.7 | 3473.2 | 3426.3 | 3412.2 | 3402.8 | 3365.3 |
| 12.5° | 3487.4 | 3435.7 | 3398.2 | 3370.1 | 3360.7 | 3360.7 | 3299.6 | 3290.3 | 3248.0 | 3238.6 | 3182.3 |
| 15° | 3341.7 | 3280.9 | 3257.3 | 3219.8 | 3186.9 | 3205.7 | 3135.2 | 3116.5 | 3102.5 | 3041.5 | 3050.8 |
| 17.5° | 3215.0 | 3149.4 | 3093.1 | 3069.6 | 3041.5 | 3013.3 | 2947.5 | 2961.7 | 2928.7 | 2928.7 | 2844.3 |
| 20° | 3050.8 | 2980.4 | 2938.1 | 2891.2 | 2891.2 | 2853.7 | 2806.8 | 2811.4 | 2769.1 | 2727.0 | 2651.8 |
| 22.5° | 2877.3 | 2802.0 | 2750.4 | 2731.6 | 2684.7 | 2675.3 | 2619.1 | 2604.9 | 2548.6 | 2553.2 | 2487.6 |
| 25° | 2694.1 | 2619.1 | 2548.6 | 2553.2 | 2511.1 | 2492.4 | 2459.5 | 2393.8 | 2370.3 | 2342.1 | 2323.4 |
| 27.5° | 2478.2 | 2426.5 | 2365.5 | 2360.9 | 2281.1 | 2285.7 | 2243.6 | 2224.8 | 2168.4 | 2182.5 | 2140.2 |
| 30° | 2281.1 | 2206.1 | 2149.6 | 2135.6 | 2102.7 | 2093.3 | 2027.7 | 1999.4 | 2008.9 | 1971.2 | 1947.9 |
| 32.5° | 2079.2 | 1966.7 | 1943.1 | 1915.0 | 1896.2 | 1872.7 | 1825.8 | 1844.6 | 1802.3 | 1811.6 | 1774.1 |
| 35° | 1811.6 | 1764.7 | 1703.7 | 1703.7 | 1684.9 | 1666.2 | 1633.5 | 1652.2 | 1609.9 | 1591.2 | 1553.6 |
| 37.5° | 1586.4 | 1544.3 | 1483.2 | 1502.0 | 1469.1 | 1440.9 | 1412.8 | 1417.4 | 1379.9 | 1375.3 | 1337.6 |
| 40° | 1342.4 | 1318.8 | 1276.7 | 1276.7 | 1253.2 | 1253.2 | 1239.0 | 1225.0 | 1201.5 | 1173.4 | 1131.1 |
| 42.5° | 1112.3 | 1093.6 | 1074.8 | 1079.6 | 1046.7 | 1074.8 | 1037.3 | 1060.8 | 985.6 | 981.0 | 952.7 |
| 45° | 943.3 | 901.2 | 905.8 | 887.1 | 868.3 | 877.7 | 844.8 | 854.1 | 812.0 | 802.7 | 774.5 |
| 47.5° | 765.1 | 751.0 | 722.9 | 713.5 | 713.5 | 699.3 | 685.3 | 680.6 | 661.8 | 638.3 | 600.8 |
| 50° | 628.9 | 577.4 | 567.8 | 553.9 | 544.5 | 544.5 | 525.7 | 497.6 | 502.2 | 478.8 | 441.1 |
| 52.5° | 492.8 | 450.5 | 431.8 | 427.2 | 408.4 | 399.0 | 375.5 | 356.7 | 342.6 | 333.2 | 309.8 |
| 55° | 380.1 | 342.6 | 319.2 | 319.2 | 291.1 | 291.1 | 258.2 | 244.0 | 225.3 | 206.5 | 192.5 |
| 57.5° | 286.3 | 267.6 | 244.0 | 225.3 | 215.9 | 192.5 | 173.6 | 150.2 | 136.1 | 107.9 | 89.2 |
| 60° | 215.9 | 197.1 | 173.6 | 159.6 | 150.2 | 126.7 | 103.3 | 84.4 | 51.7 | 42.3 | 37.5 |
| 62.5° | 159.6 | 140.9 | 117.3 | 107.9 | 98.6 | 79.8 | 56.3 | 28.1 | 14.2 | 14.2 | 14.2 |
| 65° | 117.3 | 93.8 | 75.0 | 65.6 | 56.3 | 42.3 | 18.8 | 9.4 | 4.8 | 4.8 | 4.8 |
| 67.5° | 79.8 | 61.0 | 42.3 | 37.5 | 28.1 | 14.2 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 70° | 51.7 | 37.5 | 18.8 | 14.2 | 9.4 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 72.5° | 32.9 | 18.8 | 9.4 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 18.8 | 9.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 9.4 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 4.8 | 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 | 4.8 | 4.8 | 4.8 |
| 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: LD4C80D010 EX4C809027 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 | 3914.4 |
| 2.5° | 3820.6 | 3787.7 | 3806.4 | 3764.3 | 3783.1 | 3815.8 | 3792.4 | 3801.8 |
| 5° | 3689.1 | 3670.3 | 3647.0 | 3585.9 | 3632.8 | 3670.3 | 3651.6 | 3647.0 |
| 7.5° | 3548.4 | 3482.6 | 3515.5 | 3496.8 | 3487.4 | 3524.9 | 3482.6 | 3529.5 |
| 10° | 3402.8 | 3355.9 | 3351.3 | 3318.4 | 3318.4 | 3346.5 | 3351.3 | 3323.0 |
| 12.5° | 3186.9 | 3163.6 | 3163.6 | 3158.8 | 3154.0 | 3182.3 | 3186.9 | 3172.9 |
| 15° | 3032.1 | 3022.7 | 2999.2 | 2994.6 | 2966.4 | 3008.5 | 3013.3 | 3008.5 |
| 17.5° | 2844.3 | 2848.9 | 2825.6 | 2825.6 | 2844.3 | 2858.3 | 2820.8 | 2858.3 |
| 20° | 2717.6 | 2694.1 | 2684.7 | 2642.4 | 2666.0 | 2689.5 | 2689.5 | 2694.1 |
| 22.5° | 2534.5 | 2497.0 | 2511.1 | 2487.6 | 2473.4 | 2506.4 | 2506.4 | 2520.5 |
| 25° | 2328.0 | 2328.0 | 2337.4 | 2323.4 | 2332.8 | 2351.5 | 2337.4 | 2370.3 |
| 27.5° | 2130.9 | 2149.6 | 2149.6 | 2130.9 | 2140.2 | 2196.5 | 2220.0 | 2182.5 |
| 30° | 1947.9 | 1952.5 | 1966.7 | 1957.3 | 1985.4 | 2004.2 | 1999.4 | 2027.7 |
| 32.5° | 1741.4 | 1764.7 | 1774.1 | 1760.1 | 1769.5 | 1811.6 | 1788.3 | 1783.5 |
| 35° | 1581.8 | 1539.5 | 1534.9 | 1539.5 | 1558.2 | 1567.6 | 1558.2 | 1591.2 |
| 37.5° | 1351.7 | 1337.6 | 1318.8 | 1323.6 | 1337.6 | 1356.5 | 1365.9 | 1389.3 |
| 40° | 1131.1 | 1112.3 | 1112.3 | 1107.7 | 1093.6 | 1145.2 | 1145.2 | 1145.2 |
| 42.5° | 938.7 | 934.0 | 910.6 | 910.6 | 929.4 | 943.3 | 934.0 | 966.9 |
| 45° | 769.7 | 751.0 | 736.8 | 736.8 | 751.0 | 751.0 | 765.1 | 760.4 |
| 47.5° | 605.5 | 586.8 | 591.4 | 577.4 | 591.4 | 610.1 | 586.8 | 591.4 |
| 50° | 455.3 | 455.3 | 445.9 | 455.3 | 450.5 | 455.3 | 445.9 | 436.5 |
| 52.5° | 309.8 | 352.0 | 356.7 | 338.0 | 295.7 | 258.2 | 234.6 | 253.4 |
| 55° | 178.4 | 159.6 | 159.6 | 154.8 | 145.5 | 140.9 | 126.7 | 140.9 |
| 57.5° | 89.2 | 79.8 | 79.8 | 79.8 | 75.0 | 70.4 | 61.0 | 61.0 |
| 60° | 37.5 | 32.9 | 32.9 | 28.1 | 23.5 | 18.8 | 14.2 | 18.8 |
| 62.5° | 14.2 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| 65° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 67.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 70° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 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)