

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: P249411

Luminaire Tested: **LD8B120D010 ER8B120827 8LBDW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120827 8LBDW0B
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10380.0 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

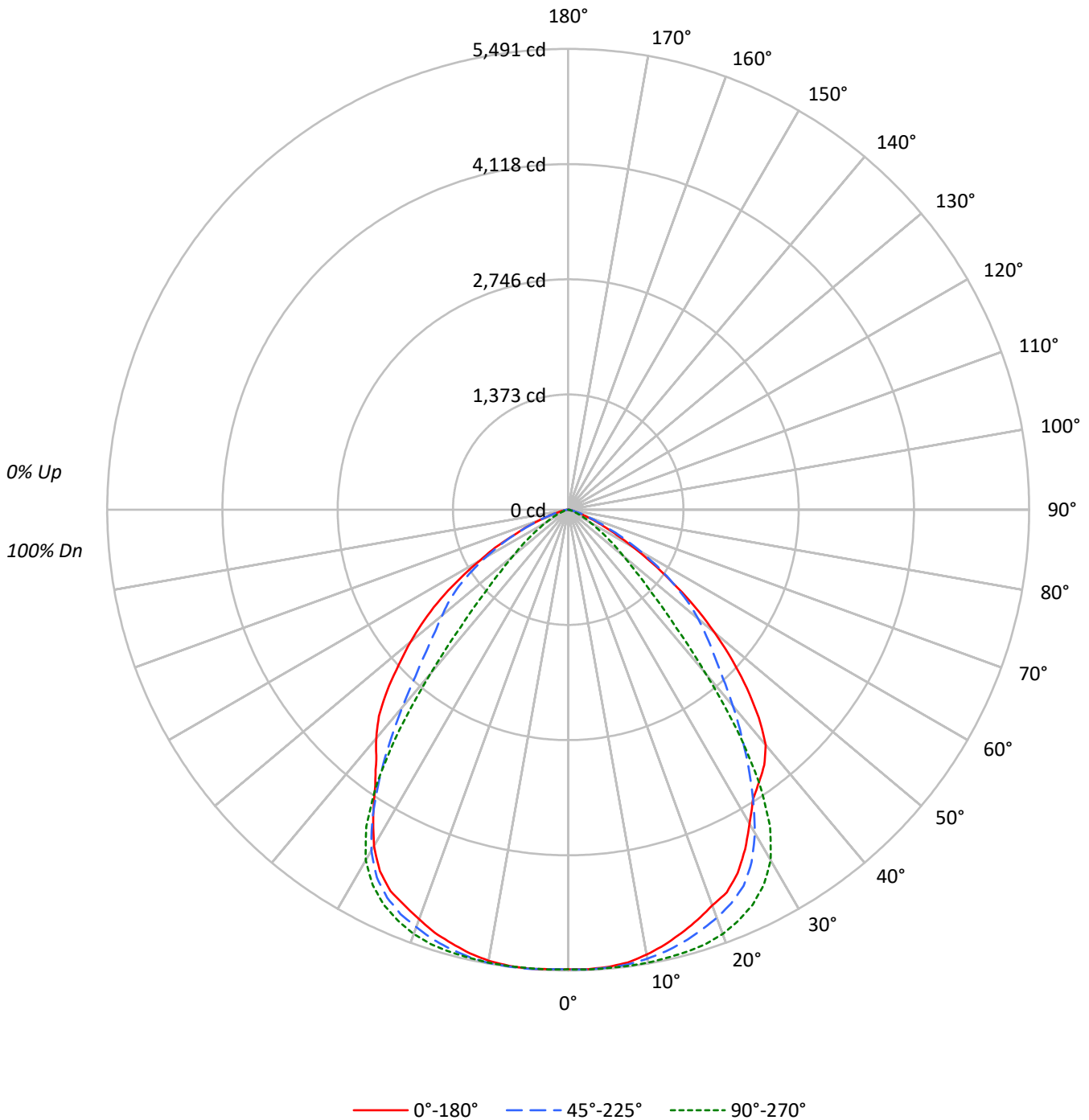
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249411

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBDW0B

Luminous Intensity Polar Plot





TEST NUMBER: P249411

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBDW0B

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 | 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 | | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 | | | | | 90 | | | |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | 79 | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 | | | | | 62 | | | |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 | | | | | 55 | | | |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | | | | | 50 | | | |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 | | | | | 37 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 168881 | 168881 | 168881 |
| 5° | 169251 | 169709 | 169892 |
| 10° | 168540 | 171577 | 170841 |
| 15° | 166673 | 174089 | 170804 |
| 20° | 164671 | 176537 | 170364 |
| 25° | 162533 | 176738 | 170536 |
| 30° | 153768 | 171770 | 164756 |
| 35° | 149176 | 149286 | 150837 |
| 40° | 147329 | 102716 | 143187 |
| 45° | 131277 | 61663 | 133069 |
| 50° | 109157 | 41041 | 117615 |
| 55° | 81868 | 28289 | 99722 |
| 60° | 55481 | 18853 | 75241 |
| 65° | 33462 | 12229 | 51688 |
| 70° | 18555 | 6627 | 31799 |
| 75° | 8411 | 2800 | 16465 |
| 80° | 7299 | 3125 | 11489 |
| 85° | 8314 | 4140 | 11463 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 522.7 | 5.0 |
| 10°-20° | 1517.9 | 14.6 |
| 20°-30° | 2303.9 | 22.2 |
| 30°-40° | 2419.8 | 23.3 |
| 40°-50° | 1814.2 | 17.5 |
| 50°-60° | 1164.0 | 11.2 |
| 60°-70° | 498.0 | 4.8 |
| 70°-80° | 117.6 | 1.1 |
| 80°-90° | 21.9 | 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° | 4344.5 | 41.9 |
| 0°-40° | 6764.3 | 65.2 |
| 0°-60° | 9742.5 | 93.9 |
| 0°-90° | 10380.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 10380.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5477 | 5477 | 5477 | 5477 | 5477 | |
| 5° | 5468 | 5477 | 5483 | 5491 | 5488 | 519 |
| 15° | 5221 | 5330 | 5453 | 5418 | 5350 | 1473 |
| 25° | 4777 | 4945 | 5194 | 5100 | 5012 | 2182 |
| 35° | 3963 | 3742 | 3966 | 3919 | 4007 | 2487 |
| 45° | 3010 | 2460 | 1414 | 2390 | 3051 | 2305 |
| 55° | 1523 | 1523 | 526 | 1587 | 1855 | 1381 |
| 65° | 459 | 541 | 168 | 697 | 708 | 490 |
| 75° | 71 | 82 | 24 | 141 | 138 | 103 |
| 85° | 24 | 15 | 12 | 24 | 32 | 25 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249411

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBDW0B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 |
| 2.5° | 5479.6 | 5485.5 | 5482.6 | 5482.6 | 5479.6 | 5482.6 | 5482.6 | 5488.5 | 5488.5 | 5482.6 | 5479.6 |
| 5° | 5467.8 | 5473.7 | 5473.7 | 5467.8 | 5467.8 | 5482.6 | 5473.7 | 5479.6 | 5479.6 | 5476.7 | 5476.7 |
| 7.5° | 5441.4 | 5441.4 | 5453.2 | 5444.4 | 5444.4 | 5453.2 | 5450.2 | 5456.1 | 5462.0 | 5465.0 | 5465.0 |
| 10° | 5382.6 | 5388.5 | 5391.5 | 5391.5 | 5394.4 | 5403.2 | 5409.1 | 5420.9 | 5426.7 | 5432.6 | 5435.5 |
| 12.5° | 5309.2 | 5317.9 | 5320.9 | 5317.9 | 5326.8 | 5338.5 | 5353.3 | 5367.9 | 5376.8 | 5388.5 | 5397.4 |
| 15° | 5220.9 | 5220.9 | 5226.8 | 5235.7 | 5241.6 | 5259.2 | 5273.8 | 5291.5 | 5315.0 | 5329.7 | 5344.4 |
| 17.5° | 5123.9 | 5129.8 | 5138.6 | 5138.6 | 5150.4 | 5179.8 | 5188.6 | 5215.1 | 5241.6 | 5256.2 | 5285.6 |
| 20° | 5018.1 | 5024.0 | 5032.8 | 5038.7 | 5053.4 | 5076.9 | 5094.5 | 5118.0 | 5147.5 | 5173.9 | 5203.3 |
| 22.5° | 4935.8 | 4924.1 | 4929.9 | 4935.8 | 4950.5 | 4971.1 | 4991.7 | 5021.0 | 5050.4 | 5076.9 | 5106.3 |
| 25° | 4777.0 | 4780.0 | 4788.8 | 4794.7 | 4812.3 | 4830.0 | 4853.5 | 4888.7 | 4915.2 | 4944.6 | 4976.9 |
| 27.5° | 4562.5 | 4565.4 | 4580.1 | 4580.1 | 4594.8 | 4624.2 | 4638.9 | 4668.3 | 4703.6 | 4732.9 | 4771.2 |
| 30° | 4318.5 | 4324.3 | 4324.3 | 4336.1 | 4344.9 | 4359.6 | 4374.3 | 4403.7 | 4421.3 | 4447.8 | 4500.7 |
| 32.5° | 4095.1 | 4100.9 | 4097.9 | 4095.1 | 4086.2 | 4083.3 | 4080.3 | 4086.2 | 4092.1 | 4100.9 | 4121.5 |
| 35° | 3962.8 | 3948.0 | 3936.3 | 3915.7 | 3892.2 | 3862.8 | 3836.3 | 3801.1 | 3768.7 | 3742.2 | 3712.9 |
| 37.5° | 3836.3 | 3833.4 | 3815.8 | 3786.3 | 3739.3 | 3686.4 | 3624.7 | 3548.2 | 3471.8 | 3389.5 | 3310.2 |
| 40° | 3660.0 | 3651.1 | 3636.4 | 3595.3 | 3542.3 | 3477.7 | 3395.4 | 3301.3 | 3177.8 | 3051.4 | 2922.1 |
| 42.5° | 3360.1 | 3363.0 | 3345.4 | 3313.0 | 3263.1 | 3201.3 | 3116.1 | 3013.2 | 2880.9 | 2731.0 | 2563.4 |
| 45° | 3010.3 | 3010.3 | 3004.4 | 2977.9 | 2942.7 | 2892.7 | 2828.0 | 2742.8 | 2613.4 | 2460.5 | 2281.2 |
| 47.5° | 2645.7 | 2648.7 | 2639.8 | 2634.0 | 2619.3 | 2587.0 | 2539.9 | 2475.3 | 2384.1 | 2237.1 | 2057.8 |
| 50° | 2275.4 | 2275.4 | 2290.0 | 2287.1 | 2287.1 | 2275.4 | 2254.8 | 2216.5 | 2137.2 | 2019.6 | 1852.1 |
| 52.5° | 1904.9 | 1910.8 | 1919.7 | 1931.4 | 1946.1 | 1969.6 | 1946.1 | 1928.4 | 1878.5 | 1787.3 | 1643.3 |
| 55° | 1522.8 | 1528.7 | 1543.3 | 1563.9 | 1581.6 | 1605.1 | 1610.9 | 1610.9 | 1584.5 | 1522.8 | 1414.0 |
| 57.5° | 1196.5 | 1187.6 | 1199.4 | 1217.1 | 1240.6 | 1264.1 | 1281.7 | 1302.3 | 1299.3 | 1258.2 | 1170.0 |
| 60° | 899.6 | 902.5 | 911.3 | 929.0 | 946.6 | 967.2 | 990.7 | 1008.3 | 1017.2 | 996.6 | 940.7 |
| 62.5° | 655.6 | 655.6 | 667.3 | 684.9 | 693.8 | 723.2 | 737.9 | 746.7 | 755.5 | 752.5 | 717.3 |
| 65° | 458.6 | 464.5 | 470.4 | 479.2 | 488.0 | 505.6 | 514.4 | 532.1 | 538.0 | 540.9 | 514.4 |
| 67.5° | 323.4 | 314.6 | 320.4 | 326.3 | 335.1 | 346.9 | 364.5 | 364.5 | 373.3 | 373.3 | 355.7 |
| 70° | 205.8 | 205.8 | 208.7 | 217.5 | 223.4 | 226.4 | 232.3 | 238.1 | 246.9 | 244.0 | 244.0 |
| 72.5° | 138.2 | 135.2 | 138.2 | 141.1 | 144.1 | 152.9 | 152.9 | 155.8 | 161.7 | 164.6 | 152.9 |
| 75° | 70.6 | 73.5 | 79.3 | 76.5 | 85.2 | 79.3 | 82.3 | 91.1 | 88.2 | 82.3 | 82.3 |
| 77.5° | 58.8 | 58.8 | 58.8 | 55.9 | 61.7 | 61.7 | 58.8 | 64.7 | 61.7 | 61.7 | 58.8 |
| 80° | 41.1 | 44.1 | 41.1 | 38.2 | 41.1 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 35.2 |
| 82.5° | 32.4 | 26.5 | 29.4 | 26.5 | 29.4 | 29.4 | 26.5 | 23.5 | 23.5 | 26.5 | 23.5 |
| 85° | 23.5 | 17.6 | 20.6 | 20.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 14.7 | 14.7 |
| 87.5° | 14.7 | 8.8 | 8.8 | 8.8 | 11.7 | 11.7 | 11.7 | 8.8 | 11.7 | 11.7 | 5.9 |
| 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: P249411

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 |
| 2.5° | 5485.5 | 5482.6 | 5488.5 | 5485.5 | 5485.5 | 5482.6 | 5485.5 | 5482.6 | 5488.5 | 5476.7 | 5479.6 |
| 5° | 5485.5 | 5479.6 | 5482.6 | 5485.5 | 5488.5 | 5482.6 | 5482.6 | 5482.6 | 5488.5 | 5482.6 | 5485.5 |
| 7.5° | 5473.7 | 5470.8 | 5479.6 | 5485.5 | 5482.6 | 5479.6 | 5485.5 | 5482.6 | 5488.5 | 5485.5 | 5491.4 |
| 10° | 5450.2 | 5453.2 | 5459.1 | 5467.8 | 5470.8 | 5473.7 | 5479.6 | 5479.6 | 5488.5 | 5476.7 | 5482.6 |
| 12.5° | 5415.0 | 5426.7 | 5441.4 | 5447.3 | 5459.1 | 5459.1 | 5465.0 | 5467.8 | 5473.7 | 5470.8 | 5479.6 |
| 15° | 5370.9 | 5385.6 | 5403.2 | 5417.9 | 5432.6 | 5441.4 | 5450.2 | 5453.2 | 5462.0 | 5453.2 | 5456.1 |
| 17.5° | 5317.9 | 5335.6 | 5362.0 | 5379.7 | 5403.2 | 5412.0 | 5423.8 | 5429.7 | 5438.5 | 5432.6 | 5435.5 |
| 20° | 5244.4 | 5265.1 | 5294.4 | 5320.9 | 5335.6 | 5356.1 | 5370.9 | 5379.7 | 5385.6 | 5379.7 | 5382.6 |
| 22.5° | 5141.6 | 5171.0 | 5209.2 | 5229.8 | 5259.2 | 5276.8 | 5279.7 | 5300.3 | 5315.0 | 5300.3 | 5306.2 |
| 25° | 5021.0 | 5050.4 | 5079.9 | 5123.9 | 5150.4 | 5171.0 | 5191.6 | 5194.5 | 5209.2 | 5206.2 | 5203.3 |
| 27.5° | 4821.1 | 4859.4 | 4909.3 | 4944.6 | 4979.9 | 5012.2 | 5035.8 | 5041.6 | 5056.3 | 5050.4 | 5053.4 |
| 30° | 4547.7 | 4588.9 | 4636.0 | 4691.8 | 4741.8 | 4774.1 | 4803.5 | 4824.1 | 4838.7 | 4830.0 | 4827.0 |
| 32.5° | 4159.7 | 4200.9 | 4250.9 | 4306.7 | 4365.5 | 4412.5 | 4447.8 | 4474.3 | 4491.9 | 4486.0 | 4471.3 |
| 35° | 3715.8 | 3727.6 | 3759.9 | 3804.0 | 3853.9 | 3903.9 | 3936.3 | 3965.7 | 3986.2 | 3992.1 | 3992.1 |
| 37.5° | 3260.2 | 3222.0 | 3198.4 | 3198.4 | 3227.8 | 3248.4 | 3277.8 | 3295.4 | 3327.8 | 3339.5 | 3348.3 |
| 40° | 2819.2 | 2731.0 | 2648.7 | 2587.0 | 2545.8 | 2542.9 | 2542.9 | 2551.7 | 2581.1 | 2619.3 | 2654.6 |
| 42.5° | 2425.3 | 2284.1 | 2157.8 | 2043.1 | 1960.8 | 1913.8 | 1893.2 | 1896.1 | 1919.7 | 1954.9 | 2013.7 |
| 45° | 2110.7 | 1934.3 | 1775.6 | 1637.4 | 1525.7 | 1452.2 | 1417.0 | 1414.0 | 1431.6 | 1472.8 | 1537.5 |
| 47.5° | 1866.7 | 1678.6 | 1499.2 | 1340.5 | 1220.0 | 1140.6 | 1099.5 | 1087.7 | 1099.5 | 1137.6 | 1214.1 |
| 50° | 1663.9 | 1469.9 | 1284.7 | 1120.0 | 990.7 | 908.4 | 870.1 | 855.5 | 870.1 | 902.5 | 978.9 |
| 52.5° | 1475.7 | 1275.8 | 1102.4 | 943.7 | 805.5 | 734.9 | 693.8 | 684.9 | 693.8 | 732.0 | 793.7 |
| 55° | 1258.2 | 1087.7 | 917.2 | 758.4 | 637.9 | 567.4 | 535.0 | 526.2 | 535.0 | 570.3 | 635.0 |
| 57.5° | 1043.6 | 896.6 | 746.7 | 602.6 | 499.8 | 438.0 | 408.6 | 396.8 | 417.4 | 440.9 | 517.4 |
| 60° | 843.7 | 726.1 | 599.7 | 473.3 | 388.1 | 332.2 | 308.7 | 305.7 | 311.6 | 341.0 | 393.9 |
| 62.5° | 661.5 | 564.4 | 464.5 | 361.6 | 291.0 | 267.5 | 238.1 | 235.2 | 241.0 | 258.7 | 299.9 |
| 65° | 476.2 | 414.5 | 338.1 | 264.6 | 208.7 | 176.4 | 164.6 | 167.6 | 173.4 | 185.2 | 223.4 |
| 67.5° | 332.2 | 288.1 | 235.2 | 185.2 | 144.1 | 129.3 | 117.6 | 114.7 | 117.6 | 138.2 | 158.7 |
| 70° | 223.4 | 196.9 | 158.7 | 141.1 | 100.0 | 79.3 | 82.3 | 73.5 | 85.2 | 85.2 | 102.9 |
| 72.5° | 147.0 | 129.3 | 105.8 | 82.3 | 70.6 | 55.9 | 55.9 | 52.9 | 58.8 | 61.7 | 76.5 |
| 75° | 76.5 | 58.8 | 58.8 | 41.1 | 29.4 | 14.7 | 26.5 | 23.5 | 20.6 | 23.5 | 29.4 |
| 77.5° | 52.9 | 44.1 | 41.1 | 32.4 | 29.4 | 23.5 | 23.5 | 23.5 | 23.5 | 26.5 | 29.4 |
| 80° | 32.4 | 32.4 | 23.5 | 20.6 | 17.6 | 14.7 | 17.6 | 17.6 | 17.6 | 17.6 | 20.6 |
| 82.5° | 20.6 | 17.6 | 17.6 | 14.7 | 14.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 17.6 |
| 85° | 17.6 | 11.7 | 11.7 | 8.8 | 11.7 | 20.6 | 8.8 | 11.7 | 11.7 | 11.7 | 8.8 |
| 87.5° | 5.9 | 8.8 | 8.8 | 8.8 | 5.9 | 2.9 | 5.9 | 8.8 | 8.8 | 14.7 | 11.7 |
| 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: P249411

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 | 5476.7 |
| 2.5° | 5485.5 | 5488.5 | 5488.5 | 5485.5 | 5485.5 | 5479.6 | 5491.4 | 5482.6 | 5485.5 | 5497.3 | 5488.5 |
| 5° | 5491.4 | 5494.3 | 5494.3 | 5491.4 | 5491.4 | 5491.4 | 5494.3 | 5494.3 | 5491.4 | 5488.5 | 5494.3 |
| 7.5° | 5503.2 | 5500.2 | 5500.2 | 5494.3 | 5494.3 | 5488.5 | 5494.3 | 5485.5 | 5491.4 | 5485.5 | 5494.3 |
| 10° | 5488.5 | 5491.4 | 5488.5 | 5485.5 | 5485.5 | 5482.6 | 5482.6 | 5473.7 | 5476.7 | 5467.8 | 5473.7 |
| 12.5° | 5479.6 | 5476.7 | 5476.7 | 5470.8 | 5465.0 | 5459.1 | 5456.1 | 5447.3 | 5447.3 | 5426.7 | 5435.5 |
| 15° | 5456.1 | 5459.1 | 5450.2 | 5438.5 | 5432.6 | 5417.9 | 5412.0 | 5400.2 | 5388.5 | 5373.8 | 5376.8 |
| 17.5° | 5435.5 | 5426.7 | 5415.0 | 5403.2 | 5379.7 | 5367.9 | 5356.1 | 5338.5 | 5332.6 | 5315.0 | 5309.2 |
| 20° | 5373.8 | 5367.9 | 5353.3 | 5332.6 | 5317.9 | 5291.5 | 5279.7 | 5262.1 | 5247.4 | 5229.8 | 5220.9 |
| 22.5° | 5294.4 | 5288.5 | 5270.9 | 5250.3 | 5226.8 | 5215.1 | 5203.3 | 5171.0 | 5156.2 | 5138.6 | 5135.7 |
| 25° | 5194.5 | 5185.7 | 5168.0 | 5144.5 | 5132.7 | 5100.4 | 5088.6 | 5065.1 | 5059.3 | 5041.6 | 5038.7 |
| 27.5° | 5041.6 | 5029.9 | 5009.3 | 4979.9 | 4959.3 | 4938.7 | 4927.0 | 4909.3 | 4903.5 | 4885.8 | 4882.9 |
| 30° | 4812.3 | 4797.6 | 4756.5 | 4744.7 | 4709.4 | 4688.8 | 4688.8 | 4665.3 | 4668.3 | 4656.5 | 4656.5 |
| 32.5° | 4450.8 | 4427.2 | 4394.9 | 4371.3 | 4347.8 | 4336.1 | 4336.1 | 4327.2 | 4333.1 | 4333.1 | 4339.0 |
| 35° | 3971.6 | 3939.3 | 3921.6 | 3906.9 | 3906.9 | 3918.6 | 3953.9 | 3962.8 | 3980.4 | 3995.1 | 4006.9 |
| 37.5° | 3357.1 | 3354.2 | 3374.8 | 3392.4 | 3436.5 | 3486.5 | 3548.2 | 3601.2 | 3651.1 | 3686.4 | 3721.7 |
| 40° | 2692.8 | 2766.3 | 2825.1 | 2907.4 | 2975.0 | 3072.0 | 3183.7 | 3274.8 | 3360.1 | 3421.9 | 3486.5 |
| 42.5° | 2101.9 | 2196.0 | 2319.5 | 2439.9 | 2560.5 | 2692.8 | 2839.8 | 2966.2 | 3077.9 | 3163.1 | 3230.7 |
| 45° | 1637.4 | 1766.8 | 1916.7 | 2069.6 | 2225.4 | 2390.0 | 2542.9 | 2672.2 | 2789.8 | 2878.0 | 2945.6 |
| 47.5° | 1319.9 | 1461.0 | 1631.5 | 1799.1 | 1975.5 | 2148.9 | 2319.5 | 2431.2 | 2528.1 | 2598.7 | 2660.5 |
| 50° | 1090.6 | 1240.6 | 1419.9 | 1610.9 | 1787.3 | 1960.8 | 2107.8 | 2216.5 | 2295.9 | 2357.7 | 2395.9 |
| 52.5° | 911.3 | 1070.0 | 1261.2 | 1452.2 | 1628.6 | 1787.3 | 1919.7 | 2002.0 | 2066.6 | 2110.7 | 2146.0 |
| 55° | 752.5 | 905.5 | 1084.8 | 1264.1 | 1437.5 | 1587.4 | 1696.2 | 1758.0 | 1807.9 | 1834.4 | 1854.9 |
| 57.5° | 614.4 | 755.5 | 920.1 | 1084.8 | 1234.7 | 1358.2 | 1443.4 | 1505.1 | 1528.7 | 1549.2 | 1546.3 |
| 60° | 482.1 | 614.4 | 764.3 | 905.5 | 1034.8 | 1134.7 | 1196.5 | 1231.7 | 1249.4 | 1258.2 | 1252.3 |
| 62.5° | 379.2 | 499.8 | 614.4 | 737.9 | 831.9 | 917.2 | 976.0 | 976.0 | 984.8 | 987.7 | 996.6 |
| 65° | 282.2 | 373.3 | 473.3 | 564.4 | 640.8 | 696.7 | 729.1 | 737.9 | 749.7 | 746.7 | 740.8 |
| 67.5° | 208.7 | 276.4 | 349.8 | 417.4 | 470.4 | 505.6 | 529.1 | 549.8 | 546.8 | 540.9 | 538.0 |
| 70° | 144.1 | 188.2 | 252.8 | 294.0 | 332.2 | 367.5 | 373.3 | 376.3 | 379.2 | 382.2 | 376.3 |
| 72.5° | 100.0 | 132.3 | 167.6 | 202.8 | 226.4 | 241.0 | 255.8 | 258.7 | 258.7 | 258.7 | 255.8 |
| 75° | 50.0 | 67.6 | 100.0 | 114.7 | 135.2 | 141.1 | 152.9 | 152.9 | 161.7 | 149.9 | 147.0 |
| 77.5° | 44.1 | 52.9 | 70.6 | 82.3 | 91.1 | 100.0 | 102.9 | 111.7 | 108.8 | 102.9 | 105.8 |
| 80° | 26.5 | 32.4 | 44.1 | 50.0 | 61.7 | 64.7 | 67.6 | 70.6 | 67.6 | 70.6 | 70.6 |
| 82.5° | 20.6 | 23.5 | 29.4 | 29.4 | 38.2 | 38.2 | 41.1 | 41.1 | 44.1 | 44.1 | 44.1 |
| 85° | 11.7 | 20.6 | 17.6 | 35.2 | 23.5 | 23.5 | 29.4 | 35.2 | 29.4 | 29.4 | 35.2 |
| 87.5° | 11.7 | 11.7 | 8.8 | 11.7 | 11.7 | 11.7 | 14.7 | 17.6 | 17.6 | 20.6 | 17.6 |
| 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: P249411

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 5476.7 | 5476.7 | 5476.7 | 5476.7 |
| 2.5° | 5485.5 | 5491.4 | 5482.6 | 5479.6 |
| 5° | 5494.3 | 5494.3 | 5488.5 | 5488.5 |
| 7.5° | 5494.3 | 5494.3 | 5485.5 | 5479.6 |
| 10° | 5470.8 | 5470.8 | 5462.0 | 5456.1 |
| 12.5° | 5426.7 | 5426.7 | 5423.8 | 5415.0 |
| 15° | 5370.9 | 5370.9 | 5359.1 | 5350.3 |
| 17.5° | 5294.4 | 5300.3 | 5285.6 | 5285.6 |
| 20° | 5212.1 | 5209.2 | 5197.5 | 5191.6 |
| 22.5° | 5126.9 | 5121.0 | 5118.0 | 5100.4 |
| 25° | 5035.8 | 5029.9 | 5021.0 | 5012.2 |
| 27.5° | 4880.0 | 4877.0 | 4868.2 | 4856.4 |
| 30° | 4641.8 | 4638.9 | 4627.1 | 4627.1 |
| 32.5° | 4333.1 | 4330.2 | 4318.5 | 4321.4 |
| 35° | 4012.7 | 4024.5 | 4018.6 | 4006.9 |
| 37.5° | 3745.2 | 3754.0 | 3759.9 | 3754.0 |
| 40° | 3521.8 | 3548.2 | 3551.2 | 3557.1 |
| 42.5° | 3283.7 | 3318.9 | 3330.7 | 3336.6 |
| 45° | 2998.5 | 3030.9 | 3057.3 | 3051.4 |
| 47.5° | 2707.5 | 2731.0 | 2754.5 | 2736.9 |
| 50° | 2428.2 | 2442.9 | 2451.7 | 2451.7 |
| 52.5° | 2163.7 | 2163.7 | 2160.7 | 2163.7 |
| 55° | 1860.8 | 1860.8 | 1849.1 | 1854.9 |
| 57.5° | 1543.3 | 1549.2 | 1540.4 | 1525.7 |
| 60° | 1249.4 | 1234.7 | 1228.8 | 1220.0 |
| 62.5° | 973.1 | 973.1 | 952.5 | 978.9 |
| 65° | 729.1 | 720.2 | 711.4 | 708.4 |
| 67.5° | 529.1 | 526.2 | 517.4 | 514.4 |
| 70° | 373.3 | 361.6 | 358.6 | 352.7 |
| 72.5° | 249.9 | 249.9 | 244.0 | 244.0 |
| 75° | 152.9 | 138.2 | 135.2 | 138.2 |
| 77.5° | 105.8 | 102.9 | 102.9 | 100.0 |
| 80° | 70.6 | 67.6 | 73.5 | 64.7 |
| 82.5° | 44.1 | 47.0 | 44.1 | 47.0 |
| 85° | 29.4 | 35.2 | 32.4 | 32.4 |
| 87.5° | 17.6 | 17.6 | 17.6 | 17.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)