

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: METALUX

Report Number: P232489

Luminaire Tested: **8SKB1-LD5-6-W-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-317-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SKB1-LD5-6-W-UNV-L835-CD1-U
Description: METALUX SKYBAR 8' WAVESTREAM STRIP
WITH WIDE LENS
Light Source: (392) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5649.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.48 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.29')
CIE Type: Semi-Direct

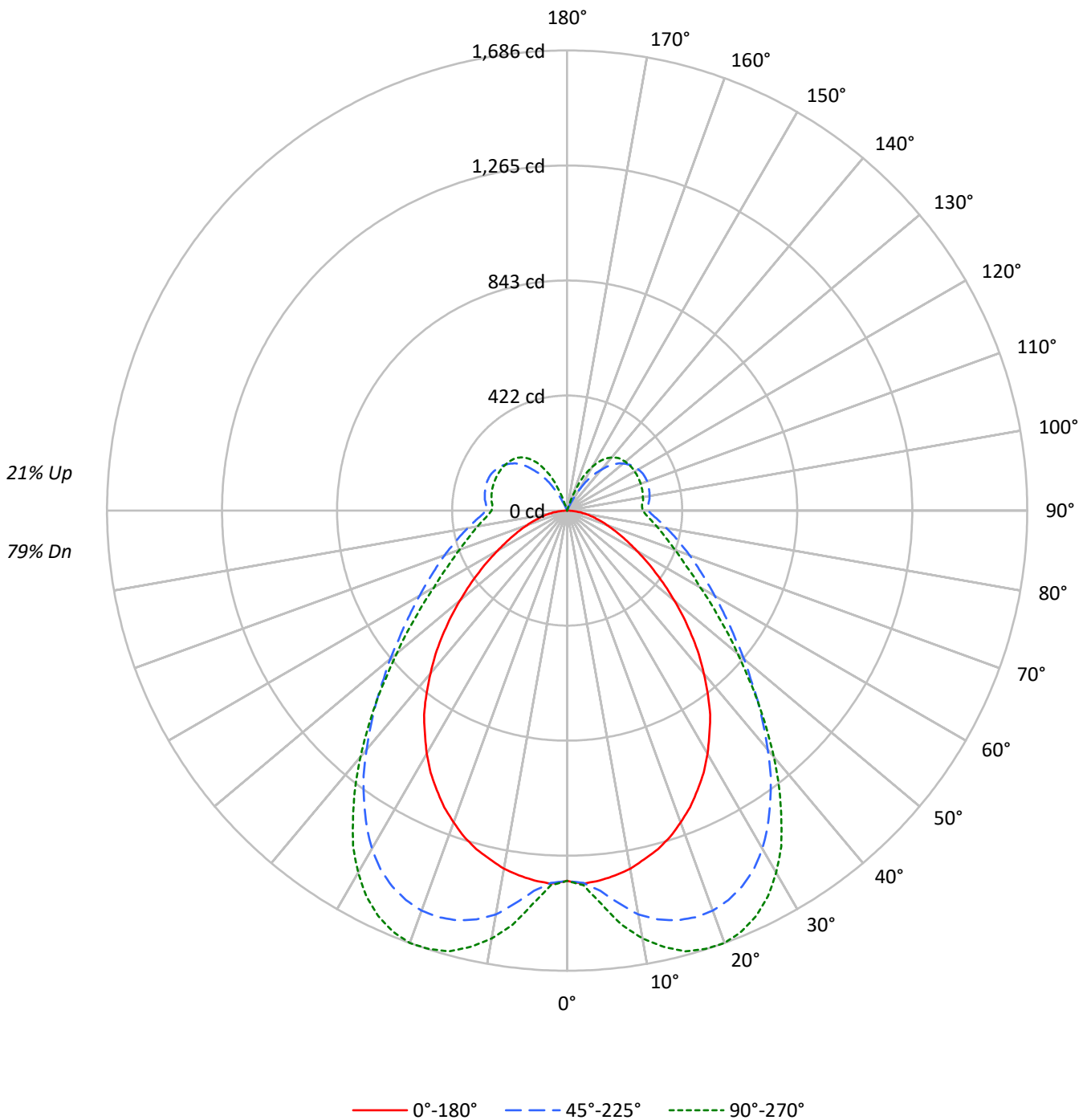
Input Watts (W): 42
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P232489

CATALOG NUMBER: 8SKB1-LD5-6-W-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P232489

CATALOG NUMBER: 8SKB1-LD5-6-W-UNV-L835-CD1-U

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 |
| 1 | 103 | 97 | 93 | 88 | 98 | 93 | 89 | 85 | 85 | 82 | 78 | 77 | 75 | 72 | 70 | 68 | 67 | 63 |
| 2 | 93 | 85 | 78 | 72 | 89 | 81 | 75 | 69 | 74 | 69 | 64 | 68 | 63 | 60 | 62 | 58 | 55 | 52 |
| 3 | 85 | 74 | 66 | 60 | 81 | 71 | 64 | 58 | 65 | 59 | 54 | 60 | 55 | 51 | 55 | 51 | 47 | 44 |
| 4 | 78 | 66 | 57 | 51 | 74 | 63 | 55 | 49 | 58 | 51 | 46 | 53 | 48 | 43 | 49 | 44 | 41 | 38 |
| 5 | 72 | 59 | 50 | 44 | 68 | 57 | 49 | 42 | 52 | 45 | 40 | 48 | 42 | 38 | 44 | 39 | 36 | 33 |
| 6 | 66 | 53 | 44 | 38 | 63 | 51 | 43 | 37 | 47 | 40 | 35 | 44 | 38 | 33 | 40 | 35 | 31 | 29 |
| 7 | 61 | 48 | 40 | 34 | 58 | 46 | 38 | 33 | 43 | 36 | 31 | 40 | 34 | 30 | 37 | 32 | 28 | 26 |
| 8 | 57 | 44 | 36 | 30 | 54 | 42 | 35 | 29 | 39 | 33 | 28 | 36 | 31 | 26 | 34 | 29 | 25 | 23 |
| 9 | 53 | 40 | 32 | 27 | 51 | 39 | 31 | 26 | 36 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 23 | 21 |
| 10 | 50 | 37 | 29 | 24 | 48 | 36 | 29 | 24 | 33 | 27 | 23 | 31 | 26 | 22 | 29 | 24 | 21 | 19 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7302 | 7302 | 7302 |
| 5° | 7328 | 7035 | 7093 |
| 10° | 7235 | 7142 | 7214 |
| 15° | 7088 | 7052 | 7097 |
| 20° | 6874 | 6822 | 6777 |
| 25° | 6599 | 6456 | 6302 |
| 30° | 6260 | 5962 | 5687 |
| 35° | 5856 | 5342 | 4944 |
| 40° | 5306 | 4686 | 4182 |
| 45° | 4731 | 4063 | 3467 |
| 50° | 4107 | 3520 | 2857 |
| 55° | 3514 | 3063 | 2376 |
| 60° | 2978 | 2719 | 2006 |
| 65° | 2552 | 2450 | 1752 |
| 70° | 2231 | 2252 | 1572 |
| 75° | 1948 | 2084 | 1442 |
| 80° | 1669 | 1962 | 1355 |
| 85° | 1238 | 1890 | 1291 |



TEST NUMBER: P232489

CATALOG NUMBER: 8SKB1-LD5-6-W-UNV-L835-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 137.0 | 2.4 |
| 10°-20° | 430.6 | 7.6 |
| 20°-30° | 674.8 | 11.9 |
| 30°-40° | 772.8 | 13.7 |
| 40°-50° | 711.7 | 12.6 |
| 50°-60° | 584.1 | 10.3 |
| 60°-70° | 467.0 | 8.3 |
| 70°-80° | 375.1 | 6.6 |
| 80°-90° | 298.4 | 5.3 |
| 90°-100° | 266.7 | 4.7 |
| 100°-110° | 259.7 | 4.6 |
| 110°-120° | 235.4 | 4.2 |
| 120°-130° | 194.6 | 3.4 |
| 130°-140° | 139.6 | 2.5 |
| 140°-150° | 77.5 | 1.4 |
| 150°-160° | 23.3 | 0.4 |
| 160°-170° | 0.5 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1242.4 | 22.0 |
| 0°-40° | 2015.2 | 35.7 |
| 0°-60° | 3311.1 | 58.6 |
| 0°-90° | 4451.6 | 78.8 |
| 90°-120° | 761.9 | 13.5 |
| 90°-150° | 1173.5 | 20.8 |
| 90°-180° | 1197.0 | 21.2 |
| 0°-180° | 5649.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1357 | 1357 | 1357 | 1357 | 1357 | |
| 5° | 1361 | 1375 | 1399 | 1447 | 1447 | 129 |
| 15° | 1284 | 1414 | 1554 | 1652 | 1672 | 361 |
| 25° | 1130 | 1345 | 1518 | 1626 | 1639 | 520 |
| 35° | 914 | 1137 | 1298 | 1374 | 1367 | 568 |
| 45° | 644 | 858 | 988 | 1014 | 987 | 497 |
| 55° | 394 | 617 | 723 | 704 | 675 | 355 |
| 65° | 216 | 452 | 544 | 506 | 482 | 217 |
| 75° | 106 | 344 | 418 | 387 | 371 | 114 |
| 85° | 28 | 261 | 328 | 308 | 300 | 31 |
| 90° | 2 | 232 | 297 | 284 | 277 | 2 |
| 95° | 1 | 230 | 299 | 284 | 275 | 1 |
| 105° | 1 | 225 | 310 | 295 | 285 | 1 |
| 115° | 1 | 203 | 310 | 301 | 287 | 1 |
| 125° | 1 | 158 | 288 | 298 | 284 | 1 |
| 135° | 1 | 58 | 240 | 279 | 270 | 1 |
| 145° | 1 | 2 | 147 | 225 | 228 | 1 |
| 155° | 1 | 1 | 23 | 105 | 132 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P232489

CATALOG NUMBER: 8SKB1-LD5-6-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |
| 2.5° | 1368.1 | 1362.4 | 1358.4 | 1362.4 | 1364.1 | 1365.7 | 1369.8 | 1368.9 | 1369.8 | 1368.1 | 1365.7 |
| 5° | 1360.8 | 1355.9 | 1354.3 | 1362.4 | 1370.6 | 1374.6 | 1380.3 | 1386.0 | 1390.9 | 1397.4 | 1399.0 |
| 7.5° | 1348.6 | 1346.2 | 1347.8 | 1362.4 | 1375.4 | 1385.2 | 1393.3 | 1407.9 | 1422.6 | 1437.2 | 1451.0 |
| 10° | 1332.4 | 1330.8 | 1338.1 | 1360.0 | 1381.1 | 1394.9 | 1408.8 | 1435.6 | 1460.8 | 1483.5 | 1503.0 |
| 12.5° | 1308.0 | 1312.1 | 1324.3 | 1353.5 | 1386.8 | 1406.3 | 1428.3 | 1461.6 | 1488.4 | 1514.4 | 1533.9 |
| 15° | 1284.5 | 1286.9 | 1310.5 | 1345.4 | 1384.4 | 1414.4 | 1437.2 | 1479.4 | 1507.1 | 1533.9 | 1554.2 |
| 17.5° | 1253.6 | 1259.3 | 1285.3 | 1334.8 | 1382.8 | 1409.6 | 1437.2 | 1470.5 | 1503.8 | 1534.7 | 1562.3 |
| 20° | 1216.2 | 1228.4 | 1263.3 | 1317.8 | 1372.2 | 1399.0 | 1423.4 | 1464.0 | 1498.1 | 1528.2 | 1559.9 |
| 22.5° | 1176.4 | 1190.2 | 1229.2 | 1294.2 | 1350.3 | 1377.1 | 1400.6 | 1445.3 | 1480.3 | 1510.3 | 1544.4 |
| 25° | 1130.1 | 1148.0 | 1194.3 | 1264.1 | 1317.8 | 1345.4 | 1370.6 | 1416.1 | 1452.6 | 1482.7 | 1518.4 |
| 27.5° | 1083.0 | 1103.3 | 1153.7 | 1224.3 | 1279.6 | 1305.6 | 1331.6 | 1377.1 | 1413.6 | 1443.7 | 1481.1 |
| 30° | 1028.5 | 1050.5 | 1107.3 | 1175.6 | 1230.0 | 1258.5 | 1282.0 | 1326.7 | 1366.5 | 1393.3 | 1430.7 |
| 32.5° | 970.0 | 995.2 | 1056.2 | 1122.0 | 1176.4 | 1203.2 | 1226.8 | 1269.8 | 1305.6 | 1334.0 | 1368.1 |
| 35° | 914.0 | 934.3 | 996.0 | 1060.2 | 1112.2 | 1136.6 | 1164.2 | 1205.6 | 1237.3 | 1266.6 | 1297.5 |
| 37.5° | 846.6 | 870.9 | 933.5 | 994.4 | 1046.4 | 1072.4 | 1095.2 | 1133.3 | 1162.6 | 1190.2 | 1225.1 |
| 40° | 778.3 | 805.1 | 870.1 | 924.5 | 978.2 | 998.5 | 1021.2 | 1056.2 | 1083.8 | 1117.9 | 1143.1 |
| 42.5° | 714.1 | 739.3 | 801.1 | 856.3 | 906.7 | 927.0 | 948.9 | 985.5 | 1009.0 | 1038.3 | 1063.5 |
| 45° | 644.3 | 670.3 | 736.1 | 788.1 | 836.0 | 857.9 | 880.7 | 910.7 | 937.5 | 961.1 | 987.9 |
| 47.5° | 577.6 | 608.5 | 671.9 | 720.6 | 769.4 | 789.7 | 809.2 | 840.9 | 867.7 | 892.9 | 911.5 |
| 50° | 511.8 | 545.1 | 606.9 | 659.7 | 706.0 | 726.3 | 745.8 | 777.5 | 805.1 | 827.1 | 846.6 |
| 52.5° | 451.7 | 486.6 | 550.0 | 605.3 | 646.7 | 667.8 | 687.3 | 718.2 | 745.8 | 766.1 | 779.1 |
| 55° | 394.0 | 433.0 | 498.8 | 552.5 | 593.9 | 616.6 | 632.1 | 664.6 | 692.2 | 710.9 | 723.1 |
| 57.5° | 343.7 | 386.7 | 449.3 | 504.5 | 547.6 | 567.9 | 586.6 | 617.4 | 643.4 | 661.3 | 671.1 |
| 60° | 294.1 | 342.0 | 407.0 | 460.6 | 504.5 | 524.0 | 544.3 | 575.2 | 599.6 | 615.8 | 624.8 |
| 62.5° | 252.7 | 303.0 | 370.5 | 422.5 | 467.1 | 486.6 | 504.5 | 535.4 | 559.0 | 575.2 | 582.5 |
| 65° | 216.1 | 268.9 | 337.2 | 389.2 | 432.2 | 452.5 | 471.2 | 502.9 | 524.8 | 540.3 | 543.5 |
| 67.5° | 184.4 | 238.0 | 307.1 | 358.3 | 403.0 | 421.7 | 440.3 | 472.0 | 493.1 | 506.1 | 508.6 |
| 70° | 156.0 | 210.4 | 279.5 | 330.7 | 374.5 | 394.8 | 413.5 | 442.0 | 463.9 | 474.5 | 477.7 |
| 72.5° | 130.0 | 186.9 | 253.5 | 306.3 | 350.2 | 368.8 | 386.7 | 416.8 | 437.1 | 446.8 | 446.0 |
| 75° | 106.4 | 164.9 | 231.5 | 283.5 | 325.0 | 344.5 | 362.3 | 391.6 | 411.9 | 420.0 | 418.4 |
| 77.5° | 86.1 | 146.2 | 210.4 | 260.8 | 303.0 | 322.5 | 338.8 | 368.0 | 386.7 | 395.7 | 394.0 |
| 80° | 65.0 | 125.9 | 190.1 | 239.7 | 281.9 | 299.8 | 317.7 | 345.3 | 364.0 | 372.9 | 368.8 |
| 82.5° | 47.1 | 107.2 | 171.4 | 220.2 | 261.6 | 280.3 | 296.5 | 325.0 | 342.8 | 350.2 | 347.7 |
| 85° | 28.4 | 88.6 | 151.1 | 201.5 | 242.9 | 260.8 | 278.7 | 305.5 | 323.3 | 330.7 | 328.2 |
| 87.5° | 12.2 | 71.5 | 134.1 | 184.4 | 225.9 | 243.7 | 260.8 | 287.6 | 304.7 | 312.0 | 309.5 |
| 90° | 1.6 | 60.1 | 123.5 | 173.0 | 213.7 | 231.5 | 248.6 | 275.4 | 292.5 | 299.8 | 297.3 |
| 92.5° | 0.8 | 57.7 | 120.2 | 169.8 | 210.4 | 229.1 | 245.4 | 273.0 | 290.9 | 297.3 | 296.5 |
| 95° | 0.8 | 53.6 | 118.6 | 169.8 | 211.2 | 229.9 | 247.0 | 274.6 | 292.5 | 299.8 | 299.0 |
| 97.5° | 0.8 | 47.9 | 116.2 | 169.0 | 212.0 | 231.5 | 248.6 | 277.9 | 296.5 | 304.7 | 303.8 |
| 100° | 0.8 | 39.0 | 111.3 | 166.5 | 210.4 | 230.7 | 247.8 | 277.9 | 297.3 | 306.3 | 306.3 |
| 102.5° | 0.8 | 26.8 | 105.6 | 162.5 | 208.8 | 228.3 | 246.2 | 277.0 | 297.3 | 307.1 | 308.7 |
| 105° | 0.8 | 16.2 | 98.3 | 157.6 | 204.7 | 225.0 | 243.7 | 275.4 | 296.5 | 307.9 | 310.3 |
| 107.5° | 0.8 | 10.6 | 89.4 | 151.9 | 200.7 | 221.8 | 240.5 | 273.0 | 294.9 | 307.9 | 311.2 |
| 110° | 0.8 | 8.9 | 78.0 | 145.4 | 195.0 | 216.1 | 235.6 | 269.7 | 292.5 | 307.1 | 312.0 |



TEST NUMBER: P232489

CATALOG NUMBER: 8SKB1-LD5-6-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 0.8 | 7.3 | 60.1 | 136.5 | 188.5 | 210.4 | 230.7 | 264.0 | 289.2 | 303.8 | 311.2 |
| 115° | 0.8 | 5.7 | 39.0 | 125.9 | 180.4 | 203.1 | 223.4 | 258.4 | 283.5 | 300.6 | 309.5 |
| 117.5° | 0.8 | 4.9 | 25.2 | 113.7 | 171.4 | 194.2 | 215.3 | 251.0 | 277.9 | 295.7 | 306.3 |
| 120° | 0.8 | 4.1 | 10.6 | 97.5 | 160.0 | 184.4 | 205.5 | 241.3 | 269.7 | 289.2 | 301.4 |
| 122.5° | 0.8 | 3.2 | 8.1 | 73.1 | 147.1 | 172.2 | 194.2 | 231.5 | 260.0 | 281.9 | 294.9 |
| 125° | 0.8 | 3.2 | 6.5 | 47.1 | 130.8 | 158.4 | 182.0 | 220.2 | 250.2 | 273.0 | 288.4 |
| 127.5° | 0.8 | 2.4 | 5.7 | 31.7 | 111.3 | 142.2 | 167.4 | 207.2 | 238.0 | 261.6 | 278.7 |
| 130° | 0.8 | 2.4 | 4.9 | 13.8 | 82.9 | 121.9 | 149.5 | 191.7 | 224.2 | 249.4 | 268.1 |
| 132.5° | 0.8 | 1.6 | 4.1 | 5.7 | 51.2 | 94.2 | 126.7 | 172.2 | 208.0 | 234.8 | 255.9 |
| 135° | 0.8 | 1.6 | 3.2 | 4.9 | 34.1 | 57.7 | 99.1 | 150.3 | 186.9 | 215.3 | 239.7 |
| 137.5° | 0.8 | 1.6 | 2.4 | 4.1 | 13.8 | 38.2 | 60.9 | 125.9 | 164.1 | 194.2 | 219.4 |
| 140° | 0.8 | 1.6 | 2.4 | 3.2 | 4.1 | 17.9 | 41.4 | 95.9 | 138.9 | 171.4 | 195.8 |
| 142.5° | 0.8 | 1.6 | 2.4 | 2.4 | 3.2 | 4.1 | 20.3 | 56.1 | 111.3 | 146.2 | 173.0 |
| 145° | 0.8 | 0.8 | 1.6 | 2.4 | 2.4 | 2.4 | 3.2 | 38.2 | 72.3 | 118.6 | 147.1 |
| 147.5° | 0.8 | 0.8 | 1.6 | 1.6 | 2.4 | 2.4 | 2.4 | 15.4 | 44.7 | 83.7 | 118.6 |
| 150° | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 22.7 | 45.5 | 80.4 |
| 152.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 2.4 | 26.0 | 44.7 |
| 155° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 2.4 | 22.7 |
| 157.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 160° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P232489

CATALOG NUMBER: 8SKB1-LD5-6-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 | 1356.8 |
| 2.5° | 1369.8 | 1377.1 | 1380.3 | 1383.6 | 1384.4 | 1385.2 | 1383.6 | 1382.8 | 1377.1 | 1373.8 |
| 5° | 1410.4 | 1428.3 | 1435.6 | 1446.1 | 1446.9 | 1447.8 | 1452.6 | 1450.2 | 1451.0 | 1446.9 |
| 7.5° | 1469.7 | 1495.7 | 1507.1 | 1520.9 | 1524.1 | 1528.2 | 1536.3 | 1537.1 | 1536.3 | 1530.6 |
| 10° | 1524.9 | 1546.9 | 1563.9 | 1576.9 | 1581.8 | 1585.1 | 1594.8 | 1597.2 | 1595.6 | 1591.6 |
| 12.5° | 1558.2 | 1586.7 | 1603.7 | 1622.4 | 1627.3 | 1632.2 | 1640.3 | 1644.4 | 1639.5 | 1637.0 |
| 15° | 1586.7 | 1616.7 | 1630.6 | 1650.9 | 1651.7 | 1660.6 | 1674.4 | 1676.0 | 1673.6 | 1672.0 |
| 17.5° | 1594.0 | 1624.9 | 1645.2 | 1663.0 | 1669.5 | 1675.2 | 1683.4 | 1689.9 | 1690.7 | 1684.2 |
| 20° | 1592.4 | 1621.6 | 1646.0 | 1664.7 | 1672.0 | 1676.0 | 1686.6 | 1691.5 | 1689.0 | 1685.8 |
| 22.5° | 1579.4 | 1608.6 | 1633.0 | 1649.2 | 1655.7 | 1662.2 | 1672.0 | 1676.0 | 1676.0 | 1669.5 |
| 25° | 1552.6 | 1581.8 | 1602.9 | 1620.0 | 1625.7 | 1632.2 | 1641.9 | 1644.4 | 1642.7 | 1638.7 |
| 27.5° | 1514.4 | 1540.4 | 1561.5 | 1576.1 | 1581.8 | 1587.5 | 1598.1 | 1600.5 | 1597.2 | 1593.2 |
| 30° | 1458.3 | 1485.1 | 1506.2 | 1519.2 | 1524.1 | 1528.2 | 1534.7 | 1540.4 | 1535.5 | 1531.4 |
| 32.5° | 1397.4 | 1421.8 | 1436.4 | 1448.6 | 1451.8 | 1455.1 | 1461.6 | 1464.0 | 1459.1 | 1459.9 |
| 35° | 1325.9 | 1347.0 | 1364.1 | 1372.2 | 1373.8 | 1373.0 | 1376.3 | 1377.1 | 1377.9 | 1367.3 |
| 37.5° | 1247.9 | 1266.6 | 1274.7 | 1286.1 | 1283.6 | 1287.7 | 1291.0 | 1287.7 | 1279.6 | 1275.5 |
| 40° | 1164.2 | 1176.4 | 1190.2 | 1194.3 | 1191.8 | 1197.5 | 1195.9 | 1190.2 | 1181.3 | 1178.0 |
| 42.5° | 1081.3 | 1095.2 | 1100.0 | 1103.3 | 1100.8 | 1101.7 | 1098.4 | 1096.8 | 1087.8 | 1080.5 |
| 45° | 1002.5 | 1012.3 | 1014.7 | 1013.9 | 1013.9 | 1009.9 | 1005.8 | 999.3 | 991.2 | 987.1 |
| 47.5° | 925.4 | 931.9 | 932.7 | 928.6 | 925.4 | 920.5 | 921.3 | 909.9 | 900.2 | 895.3 |
| 50° | 853.9 | 856.3 | 853.9 | 846.6 | 844.9 | 839.2 | 836.0 | 827.1 | 818.1 | 815.7 |
| 52.5° | 789.7 | 788.9 | 784.0 | 775.9 | 772.6 | 766.9 | 761.2 | 753.1 | 744.2 | 744.2 |
| 55° | 727.1 | 724.7 | 718.2 | 709.3 | 704.4 | 701.9 | 694.6 | 685.7 | 679.2 | 675.1 |
| 57.5° | 672.7 | 667.8 | 659.7 | 651.6 | 645.1 | 638.6 | 633.7 | 627.2 | 619.1 | 617.4 |
| 60° | 623.9 | 614.2 | 606.9 | 597.9 | 593.1 | 587.4 | 580.9 | 576.0 | 569.5 | 563.0 |
| 62.5° | 578.5 | 570.3 | 560.6 | 551.6 | 546.8 | 541.9 | 535.4 | 528.1 | 524.0 | 522.4 |
| 65° | 538.6 | 530.5 | 519.1 | 510.2 | 506.1 | 501.3 | 496.4 | 488.3 | 485.8 | 481.8 |
| 67.5° | 502.9 | 492.3 | 481.8 | 473.6 | 469.6 | 468.0 | 463.1 | 458.2 | 452.5 | 449.3 |
| 70° | 469.6 | 459.0 | 449.3 | 443.6 | 438.7 | 437.1 | 433.0 | 426.5 | 422.5 | 420.0 |
| 72.5° | 437.9 | 429.0 | 420.8 | 412.7 | 409.5 | 408.7 | 405.4 | 400.5 | 396.5 | 394.0 |
| 75° | 411.1 | 402.2 | 394.0 | 390.0 | 386.7 | 384.3 | 382.7 | 377.8 | 375.3 | 371.3 |
| 77.5° | 387.5 | 377.0 | 369.7 | 365.6 | 363.2 | 361.5 | 359.9 | 357.5 | 354.2 | 351.8 |
| 80° | 362.3 | 354.2 | 348.5 | 344.5 | 342.8 | 341.2 | 339.6 | 338.0 | 335.5 | 333.1 |
| 82.5° | 341.2 | 333.9 | 329.0 | 325.8 | 325.8 | 324.2 | 323.3 | 321.7 | 319.3 | 316.0 |
| 85° | 320.9 | 314.4 | 310.3 | 308.7 | 307.9 | 307.1 | 306.3 | 304.7 | 302.2 | 299.8 |
| 87.5° | 303.8 | 299.0 | 294.9 | 294.1 | 294.1 | 293.3 | 292.5 | 291.7 | 289.2 | 286.8 |
| 90° | 292.5 | 287.6 | 285.2 | 284.4 | 283.5 | 283.5 | 283.5 | 281.9 | 279.5 | 277.0 |
| 92.5° | 290.9 | 286.0 | 283.5 | 281.9 | 281.9 | 281.9 | 281.9 | 280.3 | 277.9 | 274.6 |
| 95° | 293.3 | 288.4 | 286.0 | 284.4 | 283.5 | 283.5 | 282.7 | 281.1 | 278.7 | 275.4 |
| 97.5° | 299.0 | 294.1 | 290.9 | 288.4 | 287.6 | 287.6 | 286.8 | 285.2 | 282.7 | 280.3 |
| 100° | 302.2 | 297.3 | 294.1 | 291.7 | 290.9 | 290.0 | 289.2 | 287.6 | 285.2 | 281.9 |
| 102.5° | 304.7 | 299.8 | 295.7 | 294.1 | 293.3 | 292.5 | 290.9 | 289.2 | 286.8 | 283.5 |
| 105° | 306.3 | 302.2 | 299.0 | 295.7 | 294.9 | 294.1 | 292.5 | 290.9 | 287.6 | 285.2 |
| 107.5° | 308.7 | 304.7 | 300.6 | 298.2 | 296.5 | 295.7 | 294.1 | 292.5 | 289.2 | 286.0 |
| 110° | 309.5 | 306.3 | 302.2 | 299.8 | 298.2 | 297.3 | 294.9 | 292.5 | 289.2 | 286.8 |



TEST NUMBER: P232489

CATALOG NUMBER: 8SKB1-LD5-6-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 310.3 | 307.9 | 303.8 | 300.6 | 299.8 | 298.2 | 295.7 | 293.3 | 290.0 | 286.8 |
| 115° | 310.3 | 307.9 | 304.7 | 301.4 | 300.6 | 299.0 | 296.5 | 293.3 | 290.0 | 286.8 |
| 117.5° | 309.5 | 307.9 | 305.5 | 302.2 | 300.6 | 299.0 | 296.5 | 293.3 | 289.2 | 286.8 |
| 120° | 307.1 | 307.1 | 304.7 | 302.2 | 300.6 | 299.0 | 295.7 | 292.5 | 289.2 | 286.0 |
| 122.5° | 303.0 | 304.7 | 303.0 | 300.6 | 299.8 | 298.2 | 295.7 | 291.7 | 287.6 | 285.2 |
| 125° | 297.3 | 301.4 | 300.6 | 299.0 | 298.2 | 296.5 | 294.1 | 290.9 | 286.8 | 283.5 |
| 127.5° | 290.0 | 295.7 | 297.3 | 296.5 | 295.7 | 294.9 | 291.7 | 288.4 | 285.2 | 281.1 |
| 130° | 281.1 | 288.4 | 291.7 | 291.7 | 291.7 | 290.9 | 289.2 | 286.0 | 281.9 | 278.7 |
| 132.5° | 269.7 | 278.7 | 283.5 | 286.0 | 286.0 | 286.0 | 284.4 | 281.9 | 278.7 | 274.6 |
| 135° | 256.7 | 268.1 | 274.6 | 277.9 | 278.7 | 278.7 | 278.7 | 277.0 | 273.8 | 270.5 |
| 137.5° | 241.3 | 254.3 | 263.2 | 268.1 | 269.7 | 270.5 | 271.4 | 269.7 | 266.5 | 263.2 |
| 140° | 218.5 | 237.2 | 248.6 | 255.1 | 256.7 | 259.2 | 260.8 | 259.2 | 256.7 | 254.3 |
| 142.5° | 195.8 | 215.3 | 231.5 | 240.5 | 242.1 | 244.5 | 247.0 | 247.0 | 244.5 | 242.1 |
| 145° | 171.4 | 190.9 | 208.0 | 222.6 | 225.0 | 227.5 | 230.7 | 232.4 | 229.9 | 227.5 |
| 147.5° | 143.0 | 163.3 | 181.2 | 197.4 | 204.7 | 208.0 | 211.2 | 212.9 | 212.0 | 209.6 |
| 150° | 112.9 | 134.9 | 151.9 | 168.2 | 175.5 | 185.2 | 189.3 | 190.1 | 189.3 | 186.9 |
| 152.5° | 68.2 | 99.9 | 119.4 | 135.7 | 142.2 | 151.1 | 162.5 | 164.9 | 163.3 | 161.7 |
| 155° | 38.2 | 52.0 | 73.1 | 97.5 | 104.8 | 112.9 | 126.7 | 132.4 | 131.6 | 131.6 |
| 157.5° | 11.4 | 28.4 | 39.0 | 47.9 | 51.2 | 56.1 | 72.3 | 86.1 | 90.2 | 91.0 |
| 160° | 0.8 | 0.8 | 9.7 | 19.5 | 24.4 | 29.2 | 37.4 | 42.2 | 43.1 | 43.9 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)