

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1324950

Luminaire Tested: LDSQA3D05R35W2N902765DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R35W2N902765DE010 3LSQCA30R 1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

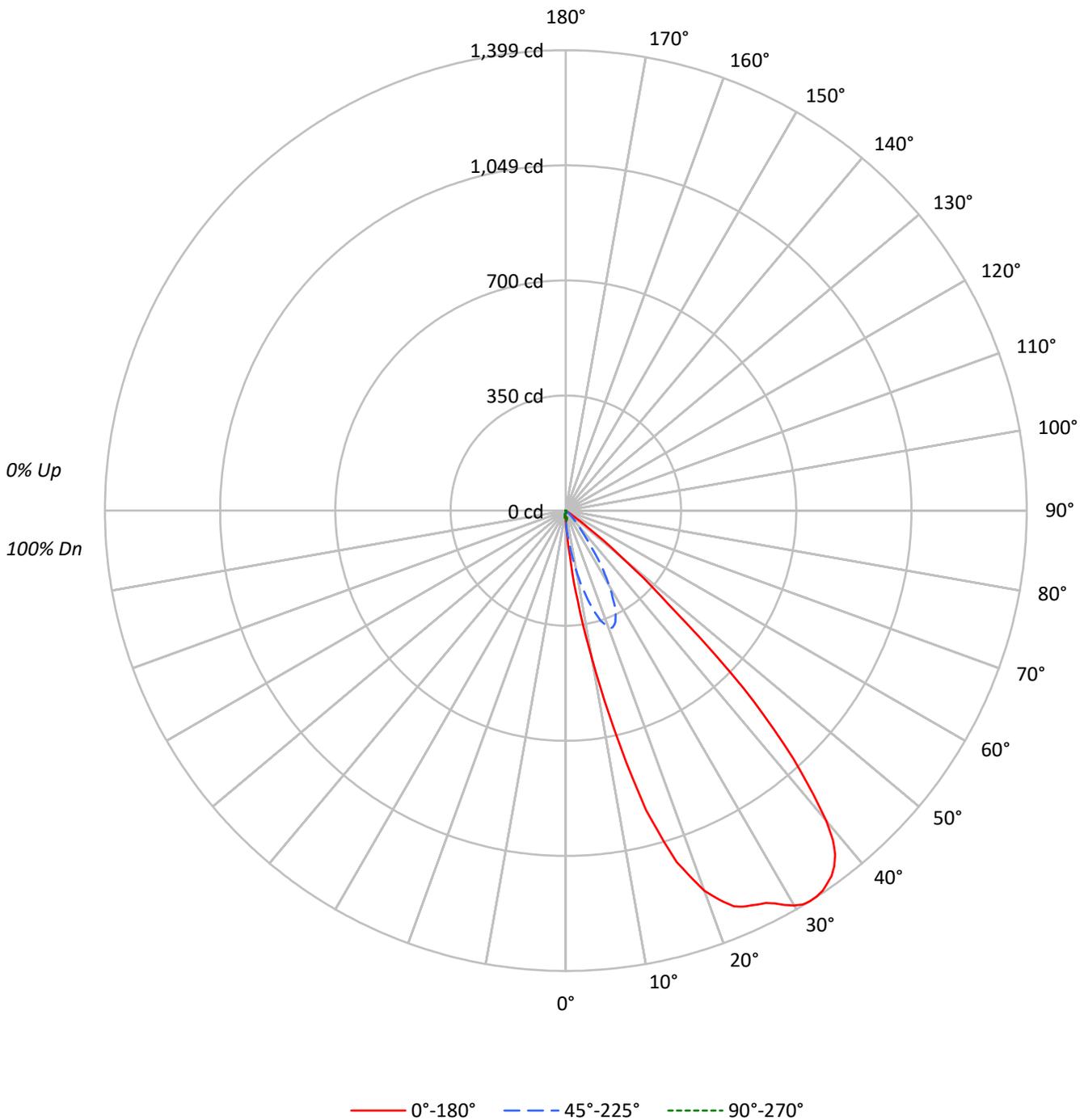
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
Input Voltage (V): NR
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: 24 FT

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Luminous Intensity Polar Plot





TEST NUMBER: P1324950

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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 | 102 | 102 | 102 | 100 | |
| 1 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 91 | |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 83 | |
| 3 | 99 | 91 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 82 | 79 | 76 | 75 | |
| 4 | 93 | 84 | 77 | 72 | 91 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 | |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 61 | |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 | |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 | |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 45 | |
| 9 | 66 | 54 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 40 | |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 37 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 5425 | 5425 | 5425 | 5425 | 5425 |
| 5° | 23581 | 14608 | 5031 | 1798 | 1245 |
| 10° | 79360 | 32982 | 3760 | 420 | 140 |
| 15° | 167939 | 54113 | 2354 | 0 | 0 |
| 20° | 225172 | 69132 | 1100 | 0 | 0 |
| 25° | 251652 | 67897 | 228 | 0 | 0 |
| 30° | 275488 | 52023 | 0 | 0 | 0 |
| 35° | 290748 | 28341 | 0 | 0 | 0 |
| 40° | 276395 | 12725 | 0 | 0 | 0 |
| 45° | 185519 | 5626 | 0 | 0 | 0 |
| 50° | 61972 | 536 | 0 | 0 | 0 |
| 55° | 3363 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 138 | 0 | 0 |
| 65° | 0 | 0 | 326 | 0 | 0 |
| 70° | 0 | 201 | 403 | 0 | 0 |
| 75° | 0 | 266 | 532 | 0 | 0 |
| 80° | 0 | 397 | 793 | 0 | 0 |
| 85° | 0 | 790 | 1581 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 185519 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.8 | 1.6 |
| 10°-20° | 58.0 | 13.9 |
| 20°-30° | 127.3 | 30.4 |
| 30°-40° | 147.2 | 35.2 |
| 40°-50° | 72.7 | 17.4 |
| 50°-60° | 5.4 | 1.3 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.3 | 0.1 |
| 80°-90° | 0.3 | 0.1 |
| 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° | 192.0 | 45.9 |
| 0°-40° | 339.2 | 81.1 |
| 0°-60° | 417.2 | 99.8 |
| 0°-90° | 418.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 418.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 32 | 32 | 32 | 32 | 32 | |
| 5° | 136 | 84 | 29 | 10 | 7 | 23 |
| 15° | 942 | 304 | 13 | 0 | 0 | 266 |
| 25° | 1324 | 357 | 1 | 0 | 0 | 612 |
| 35° | 1383 | 135 | 0 | 0 | 0 | 854 |
| 45° | 762 | 23 | 0 | 0 | 0 | 559 |
| 55° | 11 | 0 | 0 | 0 | 0 | 46 |
| 65° | 0 | 0 | 1 | 0 | 0 | 0 |
| 75° | 0 | 0 | 1 | 0 | 0 | 0 |
| 85° | 0 | 0 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1324950

CATALOG NUMBER: LDSQA3D05R35W2N902765DE010 3LSQCA30R 1MMS_5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| 0° | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| 2.5° | 62.6 | 64.2 | 63.4 | 63.4 | 63.0 | 61.0 | 57.4 | 56.2 | 51.8 | 41.1 | 31.9 |
| 5° | 136.4 | 136.8 | 135.6 | 129.6 | 124.4 | 119.6 | 109.3 | 104.5 | 84.5 | 50.2 | 29.1 |
| 7.5° | 276.7 | 270.8 | 263.2 | 254.8 | 236.5 | 219.7 | 197.8 | 174.7 | 130.8 | 58.2 | 25.9 |
| 10° | 453.8 | 445.4 | 439.0 | 419.1 | 386.0 | 351.7 | 309.8 | 272.0 | 188.6 | 63.8 | 21.5 |
| 12.5° | 682.3 | 677.5 | 654.8 | 614.9 | 565.9 | 516.4 | 443.4 | 383.2 | 246.8 | 65.0 | 17.5 |
| 15° | 941.9 | 933.9 | 899.2 | 842.6 | 776.0 | 698.2 | 600.6 | 499.3 | 303.5 | 61.4 | 13.2 |
| 17.5° | 1119.4 | 1115.0 | 1085.1 | 1025.6 | 949.1 | 850.2 | 734.5 | 608.1 | 350.1 | 53.8 | 9.2 |
| 20° | 1228.6 | 1222.2 | 1194.3 | 1144.1 | 1063.9 | 960.6 | 823.5 | 677.5 | 377.2 | 44.3 | 6.0 |
| 21° | 1256.9 | 1250.5 | 1228.2 | 1176.0 | 1099.4 | 988.6 | 847.8 | 694.3 | 382.4 | 39.9 | 4.8 |
| 22° | 1283.6 | 1277.3 | 1253.7 | 1207.5 | 1131.7 | 1016.1 | 866.9 | 707.0 | 381.6 | 36.3 | 3.6 |
| 23° | 1306.0 | 1299.2 | 1276.1 | 1233.4 | 1157.2 | 1040.4 | 881.3 | 713.4 | 376.4 | 32.7 | 2.8 |
| 24° | 1317.5 | 1313.6 | 1292.8 | 1252.5 | 1178.0 | 1057.5 | 891.3 | 715.8 | 370.1 | 29.1 | 2.0 |
| 25° | 1324.3 | 1319.5 | 1299.2 | 1262.1 | 1191.5 | 1071.1 | 897.6 | 713.8 | 357.3 | 25.9 | 1.2 |
| 26° | 1331.5 | 1324.3 | 1301.2 | 1265.3 | 1198.7 | 1077.5 | 898.0 | 708.6 | 343.7 | 23.1 | 0.4 |
| 27° | 1337.9 | 1331.1 | 1307.2 | 1267.7 | 1199.9 | 1075.5 | 894.8 | 698.6 | 327.4 | 20.3 | 0.4 |
| 28° | 1351.8 | 1344.3 | 1316.7 | 1272.9 | 1201.1 | 1070.3 | 884.9 | 685.1 | 305.9 | 17.9 | 0.0 |
| 29° | 1370.2 | 1362.2 | 1330.7 | 1285.2 | 1203.9 | 1064.7 | 871.3 | 667.1 | 287.1 | 16.0 | 0.0 |
| 30° | 1385.3 | 1378.2 | 1349.0 | 1300.8 | 1211.1 | 1059.5 | 855.4 | 642.8 | 261.6 | 13.6 | 0.0 |
| 31° | 1396.5 | 1389.3 | 1362.6 | 1314.0 | 1217.4 | 1054.8 | 835.4 | 617.7 | 238.5 | 12.0 | 0.0 |
| 32° | 1399.3 | 1393.3 | 1368.2 | 1319.5 | 1217.4 | 1047.6 | 817.1 | 589.4 | 215.7 | 10.0 | 0.0 |
| 33° | 1398.1 | 1392.1 | 1366.6 | 1315.5 | 1206.7 | 1030.4 | 794.8 | 555.5 | 189.8 | 8.8 | 0.0 |
| 34° | 1393.7 | 1386.5 | 1359.4 | 1302.8 | 1185.5 | 1001.3 | 762.5 | 521.6 | 162.7 | 7.2 | 0.0 |
| 35° | 1382.9 | 1376.6 | 1347.1 | 1278.9 | 1152.8 | 957.1 | 719.4 | 482.5 | 134.8 | 6.0 | 0.0 |
| 36° | 1372.6 | 1363.0 | 1326.7 | 1249.4 | 1109.8 | 911.6 | 667.9 | 437.5 | 110.9 | 4.8 | 0.0 |
| 37° | 1353.4 | 1339.9 | 1303.2 | 1206.7 | 1048.8 | 847.4 | 609.3 | 388.0 | 92.9 | 3.6 | 0.0 |
| 38° | 1327.9 | 1309.6 | 1262.9 | 1157.2 | 987.4 | 787.2 | 554.3 | 343.3 | 78.2 | 2.4 | 0.0 |
| 39° | 1288.4 | 1266.9 | 1203.5 | 1089.4 | 916.4 | 717.4 | 491.3 | 295.9 | 66.6 | 1.6 | 0.0 |
| 40° | 1229.4 | 1209.1 | 1138.9 | 1008.9 | 845.8 | 640.4 | 426.7 | 242.5 | 56.6 | 0.8 | 0.0 |
| 42.5° | 1023.6 | 995.7 | 914.4 | 785.2 | 625.3 | 460.6 | 282.3 | 134.8 | 37.5 | 0.0 | 0.0 |
| 45° | 761.7 | 736.9 | 657.2 | 539.5 | 416.7 | 281.9 | 151.1 | 79.4 | 23.1 | 0.0 | 0.0 |
| 47.5° | 430.3 | 427.5 | 375.6 | 309.8 | 232.5 | 149.9 | 76.6 | 47.9 | 10.0 | 0.0 | 0.0 |
| 50° | 231.3 | 216.9 | 187.0 | 142.0 | 96.9 | 65.4 | 41.5 | 26.3 | 2.0 | 0.0 | 0.0 |
| 52.5° | 84.5 | 81.7 | 68.6 | 57.0 | 43.9 | 29.9 | 21.1 | 11.6 | 0.0 | 0.0 | 0.0 |
| 55° | 11.2 | 10.4 | 10.8 | 11.6 | 12.0 | 10.4 | 6.8 | 2.4 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.4 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 |
| 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: P1324950

CATALOG NUMBER: LDSQA3D05R35W2N902765DE010 3LSQCA30R 1MMS_5000K

CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 31.5 | 31.5 | 31.5 | 31.5 |
| 2.5° | 24.3 | 18.7 | 16.0 | 15.6 |
| 5° | 16.7 | 10.4 | 7.6 | 7.2 |
| 7.5° | 11.6 | 5.2 | 3.6 | 3.2 |
| 10° | 6.8 | 2.4 | 1.2 | 0.8 |
| 12.5° | 4.0 | 0.4 | 0.0 | 0.0 |
| 15° | 1.2 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.4 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.4 | 0.0 | 0.0 | 0.0 |
| 70° | 0.4 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.4 | 0.0 | 0.0 | 0.0 |
| 75° | 0.4 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.4 | 0.0 | 0.0 | 0.0 |
| 80° | 0.4 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.4 | 0.0 | 0.0 | 0.0 |
| 85° | 0.4 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.4 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)