

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: P1311940

Luminaire Tested: LDSQA3D24R359040D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311940
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: LDSQA3D24R359040D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

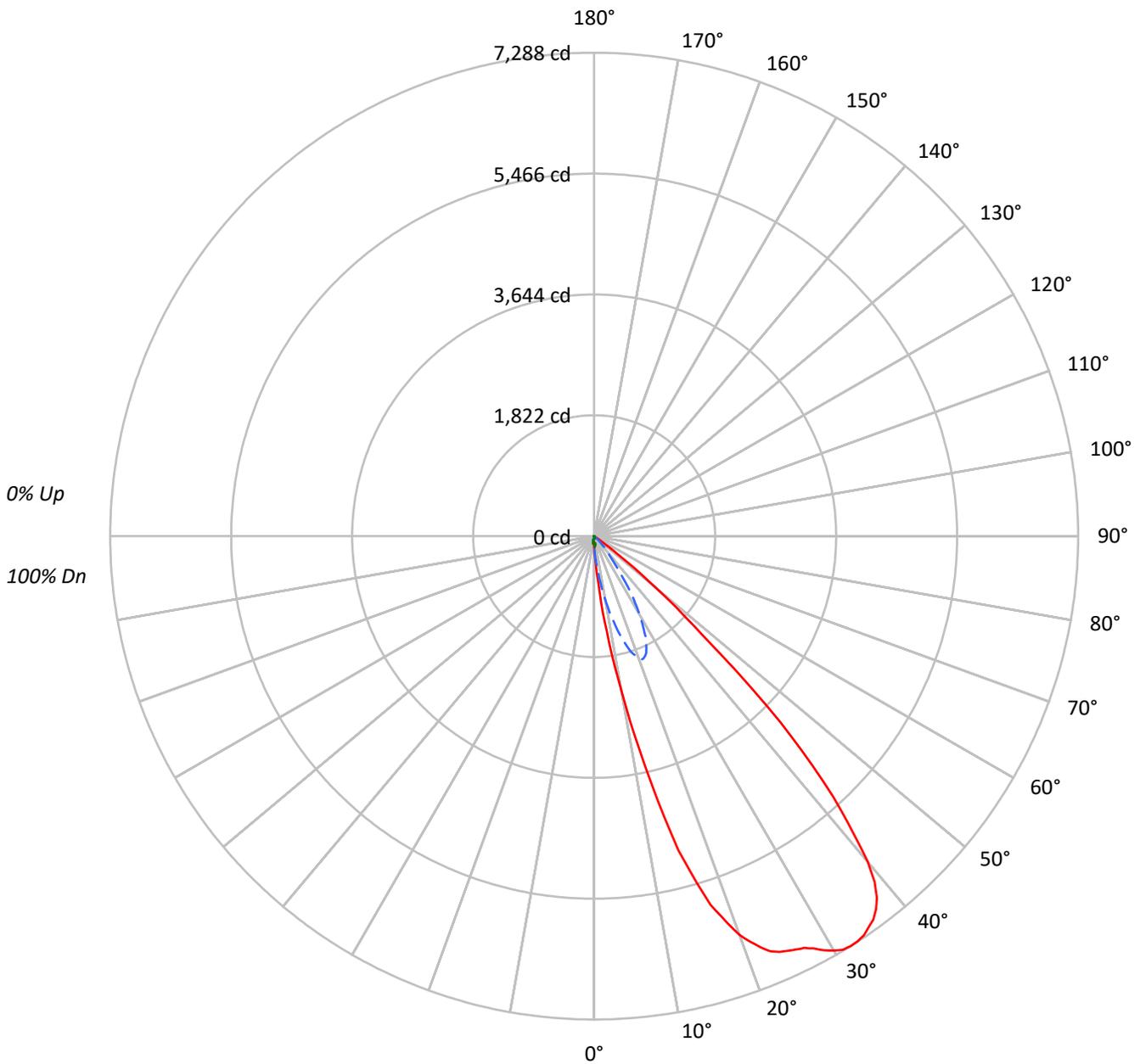
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2177.1 lumens
Efficiency: N/A
Efficacy: 75.6 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): 28.8
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: 24 FT

TEST NUMBER: P1311940
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 106 | 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° | 28262 | 28262 | 28262 | 28262 | 28262 |
| 5° | 122797 | 76119 | 26209 | 9336 | 6466 |
| 10° | 413328 | 171802 | 19621 | 2186 | 734 |
| 15° | 874641 | 281800 | 12213 | 0 | 0 |
| 20° | 1172743 | 360081 | 5718 | 0 | 0 |
| 25° | 1310652 | 353621 | 1178 | 0 | 0 |
| 30° | 1434815 | 270934 | 0 | 0 | 0 |
| 35° | 1514290 | 147592 | 0 | 0 | 0 |
| 40° | 1439504 | 66300 | 0 | 0 | 0 |
| 45° | 966152 | 29349 | 0 | 0 | 0 |
| 50° | 322750 | 2786 | 0 | 0 | 0 |
| 55° | 17475 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 723 | 0 | 0 |
| 65° | 0 | 0 | 1712 | 0 | 0 |
| 70° | 0 | 1057 | 2115 | 0 | 0 |
| 75° | 0 | 1397 | 2795 | 0 | 0 |
| 80° | 0 | 2083 | 4166 | 0 | 0 |
| 85° | 0 | 4150 | 8299 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 966152 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.3 | 1.6 |
| 10°-20° | 302.1 | 13.9 |
| 20°-30° | 662.8 | 30.4 |
| 30°-40° | 766.6 | 35.2 |
| 40°-50° | 378.4 | 17.4 |
| 50°-60° | 28.0 | 1.3 |
| 60°-70° | 1.0 | 0.0 |
| 70°-80° | 1.6 | 0.1 |
| 80°-90° | 1.4 | 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° | 1000.1 | 45.9 |
| 0°-40° | 1766.6 | 81.1 |
| 0°-60° | 2173.1 | 99.8 |
| 0°-90° | 2177.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2177.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 164 | 164 | 164 | 164 | 164 | |
| 5° | 710 | 440 | 152 | 54 | 37 | 122 |
| 15° | 4906 | 1580 | 68 | 0 | 0 | 1384 |
| 25° | 6897 | 1861 | 6 | 0 | 0 | 3189 |
| 35° | 7202 | 702 | 0 | 0 | 0 | 4447 |
| 45° | 3967 | 120 | 0 | 0 | 0 | 2911 |
| 55° | 58 | 0 | 0 | 0 | 0 | 238 |
| 65° | 0 | 0 | 4 | 0 | 0 | 0 |
| 75° | 0 | 2 | 4 | 0 | 0 | 0 |
| 85° | 0 | 2 | 4 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311940
 CATALOG NUMBER: LDSQA3D24R359040D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 164.1 | 164.1 | 164.1 | 164.1 | 164.1 | 164.1 | 164.1 | 164.1 | 164.1 | 164.1 | 164.1 |
| 2.5° | 326.1 | 334.4 | 330.2 | 330.2 | 328.1 | 317.8 | 299.1 | 292.8 | 270.0 | 213.9 | 166.1 |
| 5° | 710.3 | 712.4 | 706.1 | 675.0 | 648.0 | 623.1 | 569.1 | 544.1 | 440.3 | 261.7 | 151.6 |
| 7.5° | 1441.3 | 1410.2 | 1370.7 | 1327.1 | 1231.6 | 1144.3 | 1030.1 | 909.7 | 681.2 | 303.2 | 135.0 |
| 10° | 2363.5 | 2319.8 | 2286.6 | 2182.8 | 2010.4 | 1831.8 | 1613.7 | 1416.4 | 982.4 | 332.3 | 112.2 |
| 12.5° | 3553.5 | 3528.6 | 3410.2 | 3202.5 | 2947.1 | 2689.5 | 2309.5 | 1995.9 | 1285.6 | 338.5 | 91.4 |
| 15° | 4905.5 | 4864.0 | 4683.3 | 4388.4 | 4041.6 | 3636.6 | 3127.7 | 2600.2 | 1580.5 | 319.8 | 68.5 |
| 17.5° | 5829.7 | 5806.9 | 5651.1 | 5341.7 | 4942.9 | 4427.9 | 3825.6 | 3167.2 | 1823.5 | 280.4 | 47.8 |
| 20° | 6398.8 | 6365.6 | 6220.2 | 5958.5 | 5541.1 | 5003.1 | 4288.7 | 3528.6 | 1964.7 | 230.5 | 31.2 |
| 21° | 6546.3 | 6513.0 | 6396.7 | 6124.6 | 5725.9 | 5148.5 | 4415.4 | 3615.8 | 1991.7 | 207.7 | 24.9 |
| 22° | 6685.4 | 6652.2 | 6529.6 | 6288.7 | 5894.1 | 5291.8 | 4515.1 | 3682.3 | 1987.6 | 189.0 | 18.7 |
| 23° | 6801.7 | 6766.4 | 6645.9 | 6423.7 | 6027.0 | 5418.5 | 4589.9 | 3715.5 | 1960.6 | 170.3 | 14.5 |
| 24° | 6861.9 | 6841.2 | 6733.2 | 6523.4 | 6135.0 | 5507.8 | 4641.8 | 3728.0 | 1927.3 | 151.6 | 10.4 |
| 25° | 6897.2 | 6872.3 | 6766.4 | 6573.3 | 6205.6 | 5578.4 | 4675.0 | 3717.6 | 1860.9 | 135.0 | 6.2 |
| 26° | 6934.6 | 6897.2 | 6776.8 | 6589.9 | 6243.0 | 5611.7 | 4677.1 | 3690.6 | 1790.3 | 120.5 | 2.1 |
| 27° | 6967.9 | 6932.5 | 6807.9 | 6602.3 | 6249.3 | 5601.3 | 4660.5 | 3638.7 | 1705.1 | 105.9 | 2.1 |
| 28° | 7040.5 | 7001.1 | 6857.8 | 6629.3 | 6255.5 | 5574.3 | 4608.5 | 3568.0 | 1592.9 | 93.5 | 0.0 |
| 29° | 7136.1 | 7094.5 | 6930.5 | 6693.7 | 6270.0 | 5545.2 | 4537.9 | 3474.6 | 1495.3 | 83.1 | 0.0 |
| 30° | 7215.0 | 7177.6 | 7026.0 | 6774.7 | 6307.4 | 5518.2 | 4454.9 | 3347.9 | 1362.4 | 70.6 | 0.0 |
| 31° | 7273.2 | 7235.8 | 7096.6 | 6843.2 | 6340.6 | 5493.3 | 4351.0 | 3217.1 | 1242.0 | 62.3 | 0.0 |
| 32° | 7287.7 | 7256.5 | 7125.7 | 6872.3 | 6340.6 | 5455.9 | 4255.5 | 3069.6 | 1123.6 | 51.9 | 0.0 |
| 33° | 7281.5 | 7250.3 | 7117.4 | 6851.5 | 6284.6 | 5366.6 | 4139.2 | 2893.1 | 988.6 | 45.7 | 0.0 |
| 34° | 7258.6 | 7221.2 | 7080.0 | 6785.1 | 6174.5 | 5215.0 | 3970.9 | 2716.5 | 847.4 | 37.4 | 0.0 |
| 35° | 7202.5 | 7169.3 | 7015.6 | 6660.5 | 6004.2 | 4984.5 | 3746.6 | 2513.0 | 702.0 | 31.2 | 0.0 |
| 36° | 7148.5 | 7098.7 | 6909.7 | 6506.8 | 5779.9 | 4747.7 | 3478.7 | 2278.3 | 577.4 | 24.9 | 0.0 |
| 37° | 7048.9 | 6978.2 | 6787.2 | 6284.6 | 5462.1 | 4413.3 | 3173.4 | 2020.8 | 483.9 | 18.7 | 0.0 |
| 38° | 6915.9 | 6820.4 | 6577.4 | 6027.0 | 5142.3 | 4099.7 | 2886.8 | 1788.2 | 407.1 | 12.5 | 0.0 |
| 39° | 6710.3 | 6598.2 | 6268.0 | 5674.0 | 4772.6 | 3736.3 | 2558.7 | 1541.0 | 346.8 | 8.3 | 0.0 |
| 40° | 6402.9 | 6297.0 | 5931.5 | 5254.4 | 4405.0 | 3335.4 | 2222.2 | 1262.7 | 294.9 | 4.2 | 0.0 |
| 42.5° | 5331.3 | 5185.9 | 4762.2 | 4089.3 | 3256.5 | 2398.8 | 1470.4 | 702.0 | 195.2 | 0.0 | 0.0 |
| 45° | 3966.8 | 3838.0 | 3422.7 | 2810.0 | 2170.3 | 1468.3 | 787.1 | 413.3 | 120.5 | 0.0 | 0.0 |
| 47.5° | 2240.9 | 2226.4 | 1956.4 | 1613.7 | 1210.8 | 780.9 | 398.8 | 249.2 | 51.9 | 0.0 | 0.0 |
| 50° | 1204.6 | 1129.8 | 974.0 | 739.4 | 504.7 | 340.6 | 216.0 | 137.1 | 10.4 | 0.0 | 0.0 |
| 52.5° | 440.3 | 425.8 | 357.2 | 297.0 | 228.5 | 155.8 | 110.1 | 60.2 | 0.0 | 0.0 | 0.0 |
| 55° | 58.2 | 54.0 | 56.1 | 60.2 | 62.3 | 54.0 | 35.3 | 12.5 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 | 4.2 | 0.0 | 0.0 | 0.0 | 2.1 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 4.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 |



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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 | 2.1 | 4.2 | 4.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 |
| 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: P1311940
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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|-------|--------|-------|
| 0° | 164.1 | 164.1 | 164.1 | 164.1 |
| 2.5° | 126.7 | 97.6 | 83.1 | 81.0 |
| 5° | 87.2 | 54.0 | 39.5 | 37.4 |
| 7.5° | 60.2 | 27.0 | 18.7 | 16.6 |
| 10° | 35.3 | 12.5 | 6.2 | 4.2 |
| 12.5° | 20.8 | 2.1 | 0.0 | 0.0 |
| 15° | 6.2 | 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° | 2.1 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 70° | 2.1 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 75° | 2.1 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 80° | 2.1 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 85° | 2.1 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.1 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)