

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: P1307470

Luminaire Tested: LDSQA3D20R359024D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359024D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

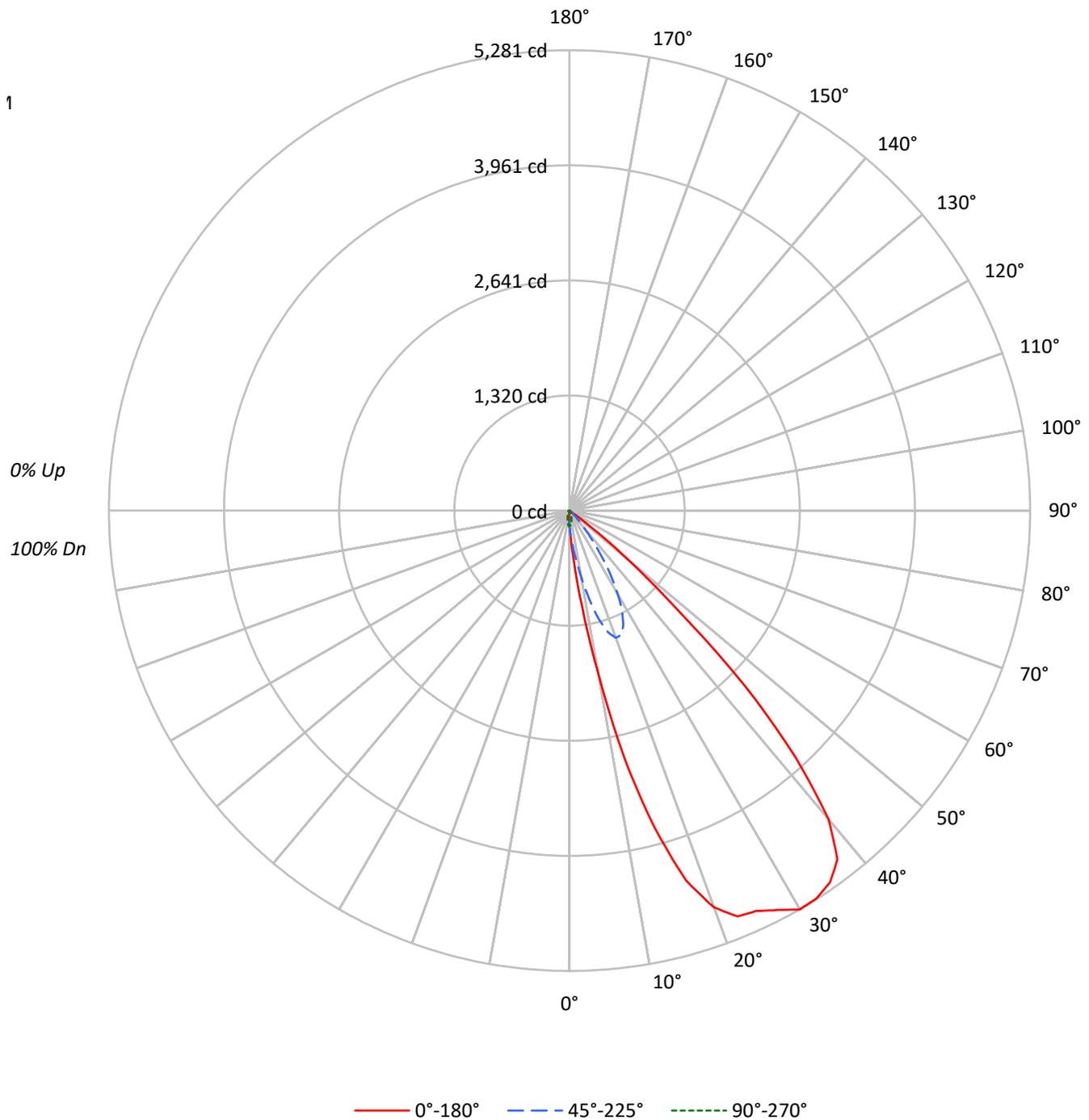
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.1 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1307470

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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 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 84 | 89 | 87 | 84 | 83 |
| 3 | 99 | 91 | 85 | 81 | 97 | 90 | 84 | 80 | 87 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 74 |
| 4 | 92 | 83 | 77 | 72 | 91 | 82 | 76 | 71 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 |
| 5 | 86 | 76 | 69 | 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 | 47 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 41 |
| 10 | 62 | 50 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 47 | 42 | 39 | 47 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|-------|-------|-------|
| 0° | 30036 | 30036 | 30036 | 30036 | 30036 |
| 5° | 102328 | 66507 | 28093 | 11860 | 8765 |
| 10° | 329333 | 134815 | 22157 | 4424 | 2868 |
| 15° | 670989 | 228632 | 15690 | 1587 | 1070 |
| 20° | 887292 | 284737 | 10117 | 550 | 550 |
| 25° | 962770 | 276812 | 5663 | 285 | 570 |
| 30° | 1050249 | 220602 | 2367 | 298 | 597 |
| 35° | 1094346 | 137311 | 631 | 315 | 631 |
| 40° | 1038492 | 60005 | 337 | 674 | 1012 |
| 45° | 693268 | 23966 | 365 | 1096 | 1827 |
| 50° | 232510 | 3992 | 804 | 1608 | 2385 |
| 55° | 12971 | 450 | 901 | 2252 | 3123 |
| 60° | 1033 | 517 | 1550 | 2583 | 3582 |
| 65° | 1223 | 611 | 1834 | 3056 | 4238 |
| 70° | 755 | 755 | 2266 | 3777 | 4482 |
| 75° | 998 | 998 | 2994 | 3993 | 4991 |
| 80° | 0 | 1488 | 4463 | 4463 | 4463 |
| 85° | 0 | 2964 | 8892 | 2964 | 5928 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 693268 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 30.3 | 1.8 |
| 10°-20° | 238.5 | 14.4 |
| 20°-30° | 503.5 | 30.3 |
| 30°-40° | 571.3 | 34.4 |
| 40°-50° | 281.2 | 16.9 |
| 50°-60° | 24.4 | 1.5 |
| 60°-70° | 5.0 | 0.3 |
| 70°-80° | 4.6 | 0.3 |
| 80°-90° | 2.3 | 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° | 772.3 | 46.5 |
| 0°-40° | 1343.6 | 80.9 |
| 0°-60° | 1649.2 | 99.3 |
| 0°-90° | 1661.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1661.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 174 | 174 | 174 | 174 | 174 | |
| 5° | 592 | 385 | 162 | 69 | 51 | 97 |
| 15° | 3763 | 1282 | 88 | 9 | 6 | 1070 |
| 25° | 5066 | 1457 | 30 | 2 | 3 | 2358 |
| 35° | 5205 | 653 | 3 | 2 | 3 | 3208 |
| 45° | 2846 | 98 | 2 | 4 | 8 | 2103 |
| 55° | 43 | 2 | 3 | 8 | 10 | 170 |
| 65° | 3 | 2 | 4 | 8 | 10 | 2 |
| 75° | 2 | 2 | 4 | 6 | 8 | 1 |
| 85° | 0 | 2 | 4 | 2 | 3 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307470
 CATALOG NUMBER: LDSQA3D20R359024D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 |
| 2.5° | 302.7 | 310.1 | 307.1 | 305.7 | 304.2 | 298.2 | 284.8 | 283.3 | 269.9 | 260.9 | 216.2 |
| 5° | 591.9 | 580.0 | 583.0 | 566.6 | 545.7 | 515.9 | 496.5 | 454.8 | 420.5 | 384.7 | 252.0 |
| 7.5° | 1115.3 | 1098.9 | 1067.6 | 1019.9 | 970.7 | 906.5 | 809.6 | 732.1 | 642.6 | 557.6 | 280.3 |
| 10° | 1883.2 | 1874.2 | 1834.0 | 1711.7 | 1604.3 | 1432.9 | 1271.8 | 1101.9 | 934.9 | 770.9 | 299.7 |
| 12.5° | 2909.0 | 2847.8 | 2774.8 | 2612.3 | 2400.5 | 2185.8 | 1868.2 | 1574.5 | 1307.6 | 1033.3 | 301.2 |
| 15° | 3763.3 | 3724.6 | 3621.7 | 3410.0 | 3155.0 | 2844.9 | 2467.6 | 2072.5 | 1669.9 | 1282.3 | 286.3 |
| 17.5° | 4450.7 | 4391.0 | 4258.3 | 4051.1 | 3757.4 | 3354.8 | 2913.4 | 2431.9 | 1941.3 | 1459.7 | 260.9 |
| 20° | 4841.3 | 4810.0 | 4708.6 | 4501.4 | 4180.8 | 3741.0 | 3238.5 | 2677.9 | 2111.3 | 1553.6 | 228.1 |
| 22.5° | 5038.1 | 5015.8 | 4941.2 | 4775.7 | 4476.0 | 4033.2 | 3457.7 | 2806.1 | 2160.5 | 1543.2 | 193.8 |
| 25° | 5066.5 | 5060.5 | 4996.4 | 4871.2 | 4620.7 | 4182.3 | 3553.1 | 2830.0 | 2120.2 | 1456.7 | 161.0 |
| 27.5° | 5164.9 | 5144.0 | 5068.0 | 4942.7 | 4690.7 | 4207.7 | 3520.3 | 2747.9 | 1990.5 | 1304.6 | 134.2 |
| 30° | 5281.2 | 5266.3 | 5190.2 | 5060.5 | 4762.3 | 4183.8 | 3404.0 | 2566.0 | 1783.3 | 1109.3 | 99.9 |
| 32.5° | 5272.2 | 5266.3 | 5202.2 | 5065.0 | 4711.6 | 4043.6 | 3196.7 | 2293.2 | 1501.5 | 875.2 | 62.6 |
| 35° | 5205.1 | 5184.3 | 5103.8 | 4892.0 | 4422.4 | 3682.8 | 2803.1 | 1923.4 | 1188.3 | 653.1 | 40.3 |
| 37.5° | 5044.1 | 4999.4 | 4863.7 | 4504.4 | 3905.0 | 3126.7 | 2282.7 | 1485.1 | 840.9 | 436.9 | 25.3 |
| 40° | 4619.2 | 4562.5 | 4289.7 | 3855.8 | 3228.1 | 2463.2 | 1698.3 | 1021.3 | 554.7 | 266.9 | 10.4 |
| 42.5° | 3831.9 | 3717.1 | 3444.3 | 2998.4 | 2409.5 | 1741.5 | 1115.3 | 662.0 | 326.5 | 161.0 | 3.0 |
| 45° | 2846.4 | 2758.4 | 2472.1 | 2068.0 | 1579.0 | 1116.8 | 675.4 | 357.8 | 180.4 | 98.4 | 1.5 |
| 47.5° | 1658.0 | 1604.3 | 1456.7 | 1191.3 | 872.2 | 586.0 | 345.9 | 192.3 | 105.9 | 47.7 | 1.5 |
| 50° | 867.8 | 800.7 | 688.9 | 521.9 | 384.7 | 269.9 | 168.5 | 102.9 | 52.2 | 14.9 | 1.5 |
| 52.5° | 304.2 | 299.7 | 272.9 | 205.8 | 167.0 | 120.8 | 82.0 | 44.7 | 14.9 | 3.0 | 1.5 |
| 55° | 43.2 | 43.2 | 40.3 | 44.7 | 47.7 | 43.2 | 28.3 | 11.9 | 3.0 | 1.5 | 1.5 |
| 57.5° | 3.0 | 3.0 | 3.0 | 4.5 | 6.0 | 6.0 | 4.5 | 1.5 | 1.5 | 1.5 | 3.0 |
| 60° | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 |
| 62.5° | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 |
| 65° | 3.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 |
| 67.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 |
| 70° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 |
| 72.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 |
| 75° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 |
| 77.5° | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 3.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 3.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: LDSQA3D20R359024D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|--------|-------|--------|-------|
| 0° | 174.4 | 174.4 | 174.4 | 174.4 | 174.4 |
| 2.5° | 173.0 | 138.7 | 110.3 | 96.9 | 92.4 |
| 5° | 162.5 | 104.4 | 68.6 | 53.7 | 50.7 |
| 7.5° | 144.6 | 74.6 | 41.7 | 29.8 | 28.3 |
| 10° | 126.7 | 53.7 | 25.3 | 17.9 | 16.4 |
| 12.5° | 105.9 | 37.3 | 16.4 | 10.4 | 8.9 |
| 15° | 88.0 | 25.3 | 8.9 | 7.5 | 6.0 |
| 17.5° | 70.1 | 16.4 | 6.0 | 4.5 | 6.0 |
| 20° | 55.2 | 10.4 | 3.0 | 3.0 | 3.0 |
| 22.5° | 41.7 | 6.0 | 3.0 | 3.0 | 3.0 |
| 25° | 29.8 | 3.0 | 1.5 | 1.5 | 3.0 |
| 27.5° | 20.9 | 1.5 | 1.5 | 1.5 | 3.0 |
| 30° | 11.9 | 1.5 | 1.5 | 1.5 | 3.0 |
| 32.5° | 6.0 | 1.5 | 1.5 | 3.0 | 3.0 |
| 35° | 3.0 | 1.5 | 1.5 | 3.0 | 3.0 |
| 37.5° | 1.5 | 1.5 | 1.5 | 3.0 | 4.5 |
| 40° | 1.5 | 1.5 | 3.0 | 4.5 | 4.5 |
| 42.5° | 1.5 | 1.5 | 3.0 | 4.5 | 6.0 |
| 45° | 1.5 | 3.0 | 4.5 | 6.0 | 7.5 |
| 47.5° | 3.0 | 3.0 | 6.0 | 7.5 | 8.9 |
| 50° | 3.0 | 4.5 | 6.0 | 8.9 | 8.9 |
| 52.5° | 3.0 | 4.5 | 7.5 | 8.9 | 10.4 |
| 55° | 3.0 | 6.0 | 7.5 | 10.4 | 10.4 |
| 57.5° | 4.5 | 6.0 | 7.5 | 10.4 | 10.4 |
| 60° | 4.5 | 6.0 | 7.5 | 10.4 | 10.4 |
| 62.5° | 4.5 | 6.0 | 7.5 | 10.4 | 10.4 |
| 65° | 4.5 | 6.0 | 7.5 | 10.4 | 10.4 |
| 67.5° | 4.5 | 6.0 | 7.5 | 8.9 | 10.4 |
| 70° | 4.5 | 6.0 | 7.5 | 8.9 | 8.9 |
| 72.5° | 6.0 | 6.0 | 7.5 | 8.9 | 8.9 |
| 75° | 4.5 | 6.0 | 6.0 | 7.5 | 7.5 |
| 77.5° | 4.5 | 4.5 | 4.5 | 6.0 | 6.0 |
| 80° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 82.5° | 4.5 | 3.0 | 3.0 | 4.5 | 4.5 |
| 85° | 4.5 | 3.0 | 1.5 | 3.0 | 3.0 |
| 87.5° | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)