

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: CORELITE

Report Number: P853767

Luminaire Tested: SQ2-FA-075U-075D-930-UNV-STD-W-4

Issue Date: 7/12/2024

Test Information

Test Method: LM-79-2019
Report Number: P853767
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-11, G2-2308-131-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2-FA-075U-075D-930-UNV-STD-W-4
Description: CORELITE SQ2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

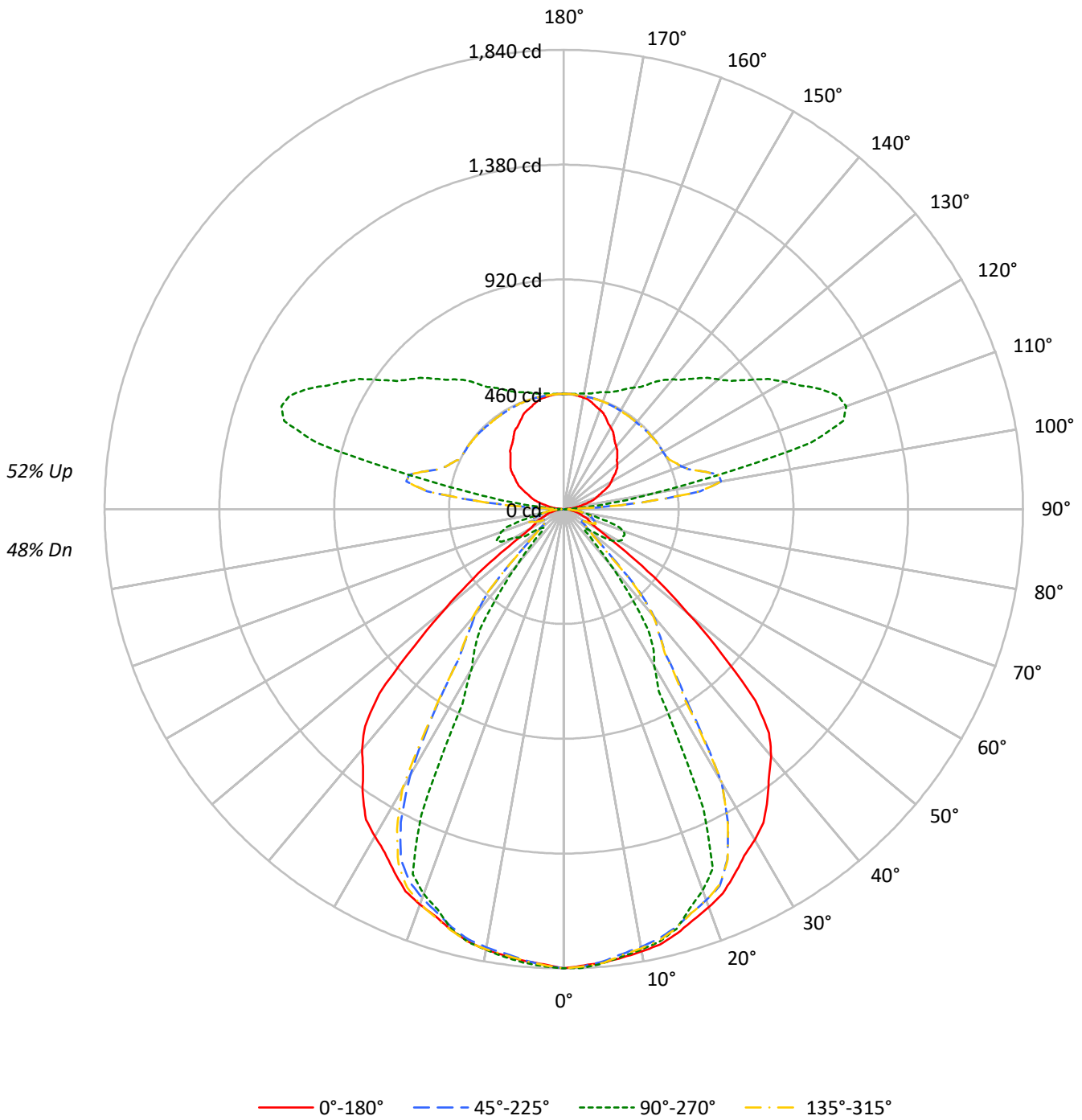
Lumens per Lamp: N/A
Luminaire Lumens: 5550.1 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.95 / 0.95
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50
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: 24 FT

TEST NUMBER: P853767

CATALOG NUMBER: SQ2-FA-075U-075D-930-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P853767

CATALOG NUMBER: SQ2-FA-075U-075D-930-UNV-STD-W-4

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 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 55 | 55 | 55 | 48 | | | | 48 |
| 1 | 98 | 95 | 91 | 88 | 91 | 87 | 84 | 82 | 74 | 72 | 70 | 61 | 60 | 59 | 50 | 49 | 48 | | | | 43 | |
| 2 | 91 | 84 | 78 | 74 | 83 | 78 | 73 | 69 | 66 | 63 | 60 | 55 | 53 | 51 | 45 | 44 | 42 | | | | 38 | |
| 3 | 84 | 75 | 68 | 63 | 77 | 70 | 64 | 59 | 60 | 55 | 52 | 50 | 47 | 45 | 42 | 40 | 38 | | | | 34 | |
| 4 | 77 | 68 | 60 | 55 | 71 | 63 | 57 | 52 | 54 | 49 | 46 | 46 | 42 | 40 | 38 | 36 | 34 | | | | 30 | |
| 5 | 72 | 61 | 54 | 48 | 66 | 57 | 50 | 46 | 49 | 44 | 41 | 42 | 38 | 36 | 35 | 33 | 31 | | | | 28 | |
| 6 | 67 | 55 | 48 | 43 | 61 | 52 | 45 | 41 | 45 | 40 | 36 | 39 | 35 | 32 | 33 | 30 | 28 | | | | 25 | |
| 7 | 62 | 51 | 43 | 38 | 57 | 48 | 41 | 36 | 41 | 36 | 33 | 36 | 32 | 29 | 30 | 28 | 26 | | | | 23 | |
| 8 | 58 | 47 | 39 | 34 | 54 | 44 | 37 | 33 | 38 | 33 | 30 | 33 | 29 | 27 | 28 | 26 | 23 | | | | 21 | |
| 9 | 54 | 43 | 36 | 31 | 50 | 40 | 34 | 30 | 35 | 31 | 27 | 31 | 27 | 24 | 27 | 24 | 22 | | | | 20 | |
| 10 | 51 | 40 | 33 | 28 | 47 | 37 | 31 | 27 | 33 | 28 | 25 | 29 | 25 | 22 | 25 | 22 | 20 | | | | 18 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 29705 | 29705 | 29705 | 29705 |
| 5° | 29548 | 29593 | 29436 | 29571 |
| 10° | 29503 | 29390 | 29390 | 29390 |
| 15° | 29407 | 29107 | 29175 | 29107 |
| 20° | 29180 | 27940 | 28965 | 28203 |
| 25° | 28796 | 23580 | 28598 | 24075 |
| 30° | 28532 | 13528 | 28221 | 13711 |
| 35° | 28032 | 11623 | 27675 | 11458 |
| 40° | 27255 | 6112 | 26494 | 6053 |
| 45° | 24775 | 2630 | 23889 | 2630 |
| 50° | 16345 | 3172 | 15508 | 2961 |
| 55° | 9140 | 5858 | 8670 | 5312 |
| 60° | 4928 | 8244 | 4837 | 7392 |
| 65° | 4348 | 10017 | 4558 | 11396 |
| 70° | 4060 | 11986 | 3866 | 12642 |
| 75° | 3805 | 10299 | 3893 | 10649 |
| 80° | 3226 | 7355 | 3226 | 7736 |
| 85° | 2834 | 4113 | 2575 | 4891 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24775 cd/sqm



TEST NUMBER: P853767

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 173.1 | 3.1 |
| 10°-20° | 491.2 | 8.8 |
| 20°-30° | 669.7 | 12.1 |
| 30°-40° | 562.8 | 10.1 |
| 40°-50° | 319.7 | 5.8 |
| 50°-60° | 169.6 | 3.1 |
| 60°-70° | 156.2 | 2.8 |
| 70°-80° | 114.6 | 2.1 |
| 80°-90° | 30.4 | 0.5 |
| 90°-100° | 174.9 | 3.2 |
| 100°-110° | 579.7 | 10.4 |
| 110°-120° | 575.3 | 10.4 |
| 120°-130° | 468.6 | 8.4 |
| 130°-140° | 380.8 | 6.9 |
| 140°-150° | 295.8 | 5.3 |
| 150°-160° | 213.1 | 3.8 |
| 160°-170° | 130.5 | 2.4 |
| 170°-180° | 44.1 | 0.8 |
| 0°-30° | 1334.0 | 24.0 |
| 0°-40° | 1896.8 | 34.2 |
| 0°-60° | 2386.1 | 43.0 |
| 0°-90° | 2687.3 | 48.4 |
| 90°-120° | 1329.9 | 24.0 |
| 90°-150° | 2475.1 | 44.6 |
| 90°-180° | 2863.0 | 51.6 |
| 0°-180° | 5550.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1840 | 1840 | 1840 | 1840 | 1840 | |
| 5° | 1823 | 1826 | 1816 | 1824 | 1823 | 173 |
| 15° | 1759 | 1741 | 1745 | 1741 | 1759 | 496 |
| 25° | 1616 | 1324 | 1605 | 1351 | 1616 | 745 |
| 35° | 1422 | 590 | 1404 | 581 | 1422 | 888 |
| 45° | 1085 | 115 | 1046 | 115 | 1085 | 793 |
| 55° | 325 | 208 | 308 | 189 | 325 | 313 |
| 65° | 114 | 262 | 119 | 298 | 114 | 114 |
| 75° | 61 | 165 | 62 | 171 | 61 | 63 |
| 85° | 15 | 22 | 14 | 26 | 15 | 17 |
| 90° | 0 | 4 | 0 | 4 | 0 | 2 |
| 95° | 25 | 76 | 25 | 76 | 25 | 28 |
| 105° | 102 | 1023 | 102 | 1023 | 102 | 107 |
| 115° | 181 | 1137 | 181 | 1137 | 181 | 179 |
| 125° | 253 | 901 | 253 | 901 | 253 | 225 |
| 135° | 302 | 740 | 302 | 740 | 302 | 234 |
| 145° | 351 | 618 | 351 | 618 | 351 | 220 |
| 155° | 401 | 523 | 401 | 523 | 401 | 185 |
| 165° | 440 | 482 | 440 | 482 | 440 | 124 |
| 175° | 460 | 463 | 460 | 463 | 460 | 44 |
| 180° | 462 | 462 | 462 | 462 | 462 | |



TEST NUMBER: P853767

CATALOG NUMBER: SQ2-FA-075U-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 |
| 2.5° | 1829.8 | 1856.9 | 1833.1 | 1830.0 | 1839.8 | 1837.6 | 1834.2 | 1847.1 | 1825.4 | 1847.1 | 1829.8 |
| 5° | 1823.1 | 1854.3 | 1819.0 | 1809.6 | 1825.9 | 1815.1 | 1824.5 | 1843.3 | 1816.2 | 1840.6 | 1813.4 |
| 7.5° | 1811.8 | 1839.4 | 1797.0 | 1791.0 | 1807.0 | 1797.5 | 1801.5 | 1827.6 | 1804.8 | 1820.8 | 1796.2 |
| 10° | 1799.5 | 1824.0 | 1781.5 | 1777.7 | 1792.6 | 1783.1 | 1787.1 | 1814.3 | 1792.6 | 1807.5 | 1782.9 |
| 12.5° | 1786.2 | 1805.2 | 1762.6 | 1761.0 | 1773.7 | 1767.5 | 1769.3 | 1792.2 | 1774.8 | 1789.8 | 1766.2 |
| 15° | 1759.3 | 1776.9 | 1734.3 | 1727.7 | 1741.3 | 1735.8 | 1738.5 | 1759.0 | 1745.4 | 1754.9 | 1734.3 |
| 17.5° | 1726.0 | 1740.1 | 1697.7 | 1677.7 | 1678.3 | 1685.1 | 1697.7 | 1722.4 | 1710.2 | 1722.7 | 1693.5 |
| 20° | 1698.3 | 1714.5 | 1667.7 | 1628.8 | 1626.1 | 1632.9 | 1667.7 | 1692.6 | 1685.8 | 1699.3 | 1658.0 |
| 22.5° | 1666.1 | 1676.9 | 1634.4 | 1568.7 | 1559.5 | 1566.3 | 1630.0 | 1659.4 | 1656.9 | 1666.1 | 1614.7 |
| 25° | 1616.4 | 1627.3 | 1549.8 | 1455.2 | 1323.6 | 1447.1 | 1552.6 | 1605.3 | 1605.3 | 1613.4 | 1545.6 |
| 27.5° | 1565.9 | 1566.2 | 1426.0 | 934.6 | 824.4 | 900.9 | 1424.1 | 1538.4 | 1551.5 | 1547.4 | 1414.1 |
| 30° | 1530.4 | 1520.9 | 1264.0 | 755.5 | 725.6 | 744.6 | 1265.4 | 1492.0 | 1513.7 | 1498.8 | 1232.1 |
| 32.5° | 1489.3 | 1462.4 | 933.2 | 694.6 | 670.1 | 687.0 | 902.4 | 1436.9 | 1474.9 | 1442.6 | 969.0 |
| 35° | 1422.2 | 1351.6 | 711.8 | 614.1 | 589.7 | 611.4 | 706.2 | 1328.1 | 1404.1 | 1317.3 | 735.4 |
| 37.5° | 1349.7 | 1074.3 | 626.6 | 489.1 | 436.5 | 478.6 | 623.5 | 1062.8 | 1320.3 | 1038.1 | 626.0 |
| 40° | 1293.1 | 844.1 | 563.3 | 357.8 | 290.0 | 337.5 | 559.1 | 805.3 | 1257.0 | 866.3 | 549.4 |
| 42.5° | 1217.6 | 741.5 | 452.3 | 227.3 | 177.9 | 208.0 | 433.7 | 724.3 | 1179.3 | 750.7 | 437.3 |
| 45° | 1085.0 | 637.3 | 267.8 | 124.7 | 115.2 | 120.6 | 247.0 | 625.6 | 1046.2 | 612.0 | 273.3 |
| 47.5° | 859.4 | 486.1 | 172.0 | 106.0 | 116.3 | 106.0 | 166.8 | 470.6 | 811.7 | 469.8 | 171.8 |
| 50° | 650.7 | 379.4 | 133.2 | 107.3 | 126.3 | 107.3 | 129.0 | 366.4 | 617.4 | 400.4 | 131.8 |
| 52.5° | 482.0 | 317.0 | 108.8 | 117.6 | 151.8 | 119.8 | 105.7 | 308.6 | 457.6 | 323.0 | 103.0 |
| 55° | 324.7 | 248.7 | 87.4 | 155.2 | 208.1 | 159.3 | 87.4 | 241.5 | 308.0 | 238.8 | 84.6 |
| 57.5° | 205.9 | 185.0 | 88.5 | 199.5 | 237.5 | 203.3 | 89.9 | 178.3 | 197.6 | 179.1 | 77.7 |
| 60° | 152.6 | 145.8 | 98.5 | 211.9 | 255.3 | 214.6 | 99.9 | 140.4 | 149.8 | 139.0 | 83.2 |
| 62.5° | 126.0 | 114.9 | 118.5 | 229.5 | 265.3 | 223.5 | 121.0 | 109.5 | 131.0 | 104.9 | 92.1 |
| 65° | 113.8 | 74.4 | 140.1 | 232.4 | 262.2 | 232.4 | 141.5 | 70.5 | 119.3 | 75.9 | 124.9 |
| 67.5° | 102.7 | 55.2 | 135.4 | 230.8 | 263.9 | 231.3 | 132.1 | 52.7 | 98.5 | 51.3 | 127.6 |
| 70° | 86.0 | 49.4 | 127.6 | 234.9 | 253.9 | 226.8 | 127.6 | 47.9 | 81.9 | 46.6 | 149.8 |
| 72.5° | 71.6 | 46.9 | 118.8 | 216.9 | 225.0 | 208.8 | 119.9 | 46.6 | 71.9 | 42.0 | 141.0 |
| 75° | 61.0 | 46.1 | 113.8 | 173.2 | 165.1 | 165.1 | 111.0 | 44.8 | 62.4 | 42.1 | 109.6 |
| 77.5° | 45.8 | 40.9 | 94.3 | 113.1 | 106.8 | 106.8 | 92.7 | 39.5 | 43.6 | 37.1 | 89.1 |
| 80° | 34.7 | 37.4 | 77.7 | 83.2 | 79.1 | 79.1 | 74.9 | 36.0 | 34.7 | 34.7 | 73.5 |
| 82.5° | 26.9 | 31.8 | 59.9 | 61.0 | 58.0 | 56.9 | 58.3 | 31.5 | 26.9 | 29.1 | 56.9 |
| 85° | 15.3 | 22.0 | 31.9 | 26.3 | 22.2 | 20.8 | 30.5 | 20.7 | 13.9 | 20.7 | 30.5 |
| 87.5° | 5.5 | 10.1 | 5.0 | 5.2 | 5.2 | 5.2 | 5.0 | 10.1 | 5.5 | 9.0 | 6.1 |
| 90° | 0.0 | 0.9 | 2.9 | 3.8 | 3.8 | 3.8 | 2.9 | 0.9 | 0.0 | 0.9 | 2.9 |
| 92.5° | 7.7 | 29.6 | 87.1 | 28.2 | 23.7 | 28.2 | 87.1 | 29.6 | 7.7 | 29.6 | 87.1 |
| 95° | 24.9 | 73.6 | 316.9 | 113.1 | 75.6 | 113.1 | 316.9 | 73.6 | 24.9 | 73.6 | 316.9 |
| 97.5° | 45.8 | 96.7 | 553.1 | 322.6 | 203.9 | 322.6 | 553.1 | 96.7 | 45.8 | 96.7 | 553.1 |
| 100° | 60.3 | 109.0 | 640.4 | 550.1 | 364.7 | 550.1 | 640.4 | 109.0 | 60.3 | 109.0 | 640.4 |
| 102.5° | 76.4 | 123.6 | 635.1 | 840.6 | 635.1 | 840.6 | 635.1 | 123.6 | 76.4 | 123.6 | 635.1 |
| 105° | 101.5 | 144.5 | 580.1 | 1094.5 | 1023.3 | 1094.5 | 580.1 | 144.5 | 101.5 | 144.5 | 580.1 |
| 107.5° | 127.1 | 165.5 | 527.5 | 1120.3 | 1174.4 | 1120.3 | 527.5 | 165.5 | 127.1 | 165.5 | 527.5 |
| 110° | 141.7 | 180.1 | 500.7 | 1094.8 | 1204.3 | 1094.8 | 500.7 | 180.1 | 141.7 | 180.1 | 500.7 |



TEST NUMBER: P853767

CATALOG NUMBER: SQ2-FA-075U-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-------|-------|-------|--------|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 157.0 | 194.6 | 484.6 | 1049.5 | 1189.0 | 1049.5 | 484.6 | 194.6 | 157.0 | 194.6 | 484.6 |
| 115° | 180.9 | 216.5 | 467.2 | 972.5 | 1137.3 | 972.5 | 467.2 | 216.5 | 180.9 | 216.5 | 467.2 |
| 117.5° | 204.7 | 236.3 | 460.8 | 899.0 | 1071.8 | 899.0 | 460.8 | 236.3 | 204.7 | 236.3 | 460.8 |
| 120° | 219.2 | 250.1 | 458.5 | 852.9 | 1020.5 | 852.9 | 458.5 | 250.1 | 219.2 | 250.1 | 458.5 |
| 122.5° | 232.2 | 262.4 | 458.5 | 815.1 | 969.9 | 815.1 | 458.5 | 262.4 | 232.2 | 262.4 | 458.5 |
| 125° | 252.7 | 280.8 | 458.5 | 764.2 | 900.8 | 764.2 | 458.5 | 280.8 | 252.7 | 280.8 | 458.5 |
| 127.5° | 269.6 | 297.1 | 457.4 | 725.6 | 842.4 | 725.6 | 457.4 | 297.1 | 269.6 | 297.1 | 457.4 |
| 130° | 279.5 | 308.5 | 456.6 | 703.1 | 808.0 | 703.1 | 456.6 | 308.5 | 279.5 | 308.5 | 456.6 |
| 132.5° | 288.7 | 318.5 | 455.9 | 684.5 | 778.9 | 684.5 | 455.9 | 318.5 | 288.7 | 318.5 | 455.9 |
| 135° | 302.5 | 333.4 | 454.7 | 655.7 | 740.0 | 655.7 | 454.7 | 333.4 | 302.5 | 333.4 | 454.7 |
| 137.5° | 317.4 | 347.2 | 453.6 | 628.0 | 702.3 | 628.0 | 453.6 | 347.2 | 317.4 | 347.2 | 453.6 |
| 140° | 327.4 | 356.4 | 452.8 | 609.4 | 677.8 | 609.4 | 452.8 | 356.4 | 327.4 | 356.4 | 452.8 |
| 142.5° | 336.6 | 364.9 | 453.6 | 590.9 | 651.7 | 590.9 | 453.6 | 364.9 | 336.6 | 364.9 | 453.6 |
| 145° | 351.3 | 377.5 | 453.8 | 564.1 | 617.5 | 564.1 | 453.8 | 377.5 | 351.3 | 377.5 | 453.8 |
| 147.5° | 367.2 | 389.1 | 453.9 | 541.4 | 581.1 | 541.4 | 453.9 | 389.1 | 367.2 | 389.1 | 453.9 |
| 150° | 377.2 | 396.8 | 454.7 | 528.2 | 561.9 | 528.2 | 454.7 | 396.8 | 377.2 | 396.8 | 454.7 |
| 152.5° | 386.4 | 405.3 | 455.5 | 517.4 | 544.3 | 517.4 | 455.5 | 405.3 | 386.4 | 405.3 | 455.5 |
| 155° | 401.1 | 415.1 | 456.6 | 504.0 | 522.7 | 504.0 | 456.6 | 415.1 | 401.1 | 415.1 | 456.6 |
| 157.5° | 415.5 | 426.3 | 457.8 | 494.5 | 507.7 | 494.5 | 457.8 | 426.3 | 415.5 | 426.3 | 457.8 |
| 160° | 423.1 | 432.5 | 458.5 | 487.5 | 497.8 | 487.5 | 458.5 | 432.5 | 423.1 | 432.5 | 458.5 |
| 162.5° | 430.8 | 437.9 | 458.5 | 482.9 | 490.9 | 482.9 | 458.5 | 437.9 | 430.8 | 437.9 | 458.5 |
| 165° | 440.4 | 445.0 | 458.5 | 476.8 | 481.5 | 476.8 | 458.5 | 445.0 | 440.4 | 445.0 | 458.5 |
| 167.5° | 449.2 | 451.6 | 459.5 | 471.4 | 473.9 | 471.4 | 459.5 | 451.6 | 449.2 | 451.6 | 459.5 |
| 170° | 453.8 | 454.7 | 459.5 | 469.1 | 470.0 | 469.1 | 459.5 | 454.7 | 453.8 | 454.7 | 459.5 |
| 172.5° | 456.8 | 457.8 | 460.3 | 466.8 | 467.0 | 466.8 | 460.3 | 457.8 | 456.8 | 457.8 | 460.3 |
| 175° | 460.5 | 460.5 | 461.4 | 464.3 | 463.3 | 464.3 | 461.4 | 460.5 | 460.5 | 460.5 | 461.4 |
| 177.5° | 462.4 | 462.4 | 461.6 | 463.1 | 461.6 | 463.1 | 461.6 | 462.4 | 462.4 | 462.4 | 461.6 |
| 180° | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 |



TEST NUMBER: P853767

CATALOG NUMBER: SQ2-FA-075U-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 | 1839.8 |
| 2.5° | 1825.5 | 1833.1 | 1833.1 | 1828.7 | 1850.4 | 1829.8 |
| 5° | 1806.9 | 1824.5 | 1816.4 | 1816.2 | 1843.5 | 1823.1 |
| 7.5° | 1793.8 | 1810.4 | 1802.8 | 1801.2 | 1828.0 | 1811.8 |
| 10° | 1780.4 | 1792.6 | 1787.2 | 1791.2 | 1815.8 | 1799.5 |
| 12.5° | 1761.6 | 1776.0 | 1770.5 | 1776.8 | 1799.3 | 1786.2 |
| 15° | 1729.1 | 1741.3 | 1744.0 | 1746.8 | 1772.9 | 1759.3 |
| 17.5° | 1675.4 | 1681.3 | 1694.9 | 1714.1 | 1741.2 | 1726.0 |
| 20° | 1633.2 | 1641.4 | 1649.5 | 1683.0 | 1714.5 | 1698.3 |
| 22.5° | 1585.3 | 1582.5 | 1601.5 | 1640.8 | 1680.2 | 1666.1 |
| 25° | 1455.9 | 1351.4 | 1466.7 | 1567.8 | 1620.5 | 1616.4 |
| 27.5° | 1013.7 | 879.7 | 998.2 | 1447.1 | 1557.8 | 1565.9 |
| 30° | 797.8 | 735.4 | 796.4 | 1291.7 | 1511.4 | 1530.4 |
| 32.5° | 708.3 | 665.4 | 702.6 | 983.2 | 1453.0 | 1489.3 |
| 35° | 611.2 | 581.3 | 611.2 | 735.4 | 1338.0 | 1422.2 |
| 37.5° | 489.2 | 428.2 | 488.1 | 635.5 | 1081.7 | 1349.7 |
| 40° | 364.5 | 287.2 | 353.7 | 568.9 | 864.4 | 1293.1 |
| 42.5° | 242.9 | 185.1 | 229.9 | 447.9 | 747.7 | 1217.6 |
| 45° | 131.4 | 115.2 | 126.0 | 270.6 | 610.2 | 1085.0 |
| 47.5° | 103.1 | 109.1 | 103.1 | 170.7 | 466.8 | 859.4 |
| 50° | 98.9 | 117.9 | 98.9 | 131.8 | 386.2 | 650.7 |
| 52.5° | 107.8 | 127.9 | 106.8 | 104.1 | 315.1 | 482.0 |
| 55° | 122.2 | 188.7 | 123.6 | 84.6 | 231.1 | 324.7 |
| 57.5° | 174.0 | 212.3 | 175.9 | 80.2 | 178.0 | 205.9 |
| 60° | 178.7 | 228.9 | 177.4 | 84.6 | 137.7 | 152.6 |
| 62.5° | 211.4 | 283.3 | 211.1 | 96.8 | 102.4 | 126.0 |
| 65° | 271.2 | 298.3 | 273.9 | 123.5 | 73.1 | 113.8 |
| 67.5° | 257.4 | 276.7 | 254.7 | 132.4 | 50.3 | 102.7 |
| 70° | 252.9 | 267.8 | 250.1 | 151.2 | 46.7 | 86.0 |
| 72.5° | 235.9 | 237.8 | 231.0 | 140.1 | 42.0 | 71.6 |
| 75° | 182.9 | 170.7 | 176.1 | 120.7 | 42.1 | 61.0 |
| 77.5° | 113.7 | 108.8 | 109.6 | 92.1 | 37.1 | 45.8 |
| 80° | 86.0 | 83.2 | 81.9 | 77.7 | 34.7 | 34.7 |
| 82.5° | 63.8 | 61.0 | 59.7 | 59.9 | 29.1 | 26.9 |
| 85° | 29.1 | 26.4 | 25.0 | 34.7 | 20.7 | 15.3 |
| 87.5° | 6.3 | 6.3 | 5.2 | 6.1 | 7.9 | 5.5 |
| 90° | 3.8 | 3.8 | 3.8 | 2.9 | 0.9 | 0.0 |
| 92.5° | 28.2 | 23.7 | 28.2 | 87.1 | 29.6 | 7.7 |
| 95° | 113.1 | 75.6 | 113.1 | 316.9 | 73.6 | 24.9 |
| 97.5° | 322.6 | 203.9 | 322.6 | 553.1 | 96.7 | 45.8 |
| 100° | 550.1 | 364.7 | 550.1 | 640.4 | 109.0 | 60.3 |
| 102.5° | 840.6 | 635.1 | 840.6 | 635.1 | 123.6 | 76.4 |
| 105° | 1094.5 | 1023.3 | 1094.5 | 580.1 | 144.5 | 101.5 |
| 107.5° | 1120.3 | 1174.4 | 1120.3 | 527.5 | 165.5 | 127.1 |
| 110° | 1094.8 | 1204.3 | 1094.8 | 500.7 | 180.1 | 141.7 |



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CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 1049.5 | 1189.0 | 1049.5 | 484.6 | 194.6 | 157.0 |
| 115° | 972.5 | 1137.3 | 972.5 | 467.2 | 216.5 | 180.9 |
| 117.5° | 899.0 | 1071.8 | 899.0 | 460.8 | 236.3 | 204.7 |
| 120° | 852.9 | 1020.5 | 852.9 | 458.5 | 250.1 | 219.2 |
| 122.5° | 815.1 | 969.9 | 815.1 | 458.5 | 262.4 | 232.2 |
| 125° | 764.2 | 900.8 | 764.2 | 458.5 | 280.8 | 252.7 |
| 127.5° | 725.6 | 842.4 | 725.6 | 457.4 | 297.1 | 269.6 |
| 130° | 703.1 | 808.0 | 703.1 | 456.6 | 308.5 | 279.5 |
| 132.5° | 684.5 | 778.9 | 684.5 | 455.9 | 318.5 | 288.7 |
| 135° | 655.7 | 740.0 | 655.7 | 454.7 | 333.4 | 302.5 |
| 137.5° | 628.0 | 702.3 | 628.0 | 453.6 | 347.2 | 317.4 |
| 140° | 609.4 | 677.8 | 609.4 | 452.8 | 356.4 | 327.4 |
| 142.5° | 590.9 | 651.7 | 590.9 | 453.6 | 364.9 | 336.6 |
| 145° | 564.1 | 617.5 | 564.1 | 453.8 | 377.5 | 351.3 |
| 147.5° | 541.4 | 581.1 | 541.4 | 453.9 | 389.1 | 367.2 |
| 150° | 528.2 | 561.9 | 528.2 | 454.7 | 396.8 | 377.2 |
| 152.5° | 517.4 | 544.3 | 517.4 | 455.5 | 405.3 | 386.4 |
| 155° | 504.0 | 522.7 | 504.0 | 456.6 | 415.1 | 401.1 |
| 157.5° | 494.5 | 507.7 | 494.5 | 457.8 | 426.3 | 415.5 |
| 160° | 487.5 | 497.8 | 487.5 | 458.5 | 432.5 | 423.1 |
| 162.5° | 482.9 | 490.9 | 482.9 | 458.5 | 437.9 | 430.8 |
| 165° | 476.8 | 481.5 | 476.8 | 458.5 | 445.0 | 440.4 |
| 167.5° | 471.4 | 473.9 | 471.4 | 459.5 | 451.6 | 449.2 |
| 170° | 469.1 | 470.0 | 469.1 | 459.5 | 454.7 | 453.8 |
| 172.5° | 466.8 | 467.0 | 466.8 | 460.3 | 457.8 | 456.8 |
| 175° | 464.3 | 463.3 | 464.3 | 461.4 | 460.5 | 460.5 |
| 177.5° | 463.1 | 461.6 | 463.1 | 461.6 | 462.4 | 462.4 |
| 180° | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 | 462.4 |

TEST NUMBER: P853767

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CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 11.55 | 12.30 | 12.54 | 13.29 | 14.59 | 10.40 | 11.15 | 11.40 | 12.14 | 13.44 |
| | 3H | 12.24 | 12.91 | 13.25 | 13.91 | 15.24 | 16.55 | 17.22 | 17.55 | 18.22 | 19.54 |
| | 4H | 12.65 | 13.28 | 13.66 | 14.28 | 15.62 | 17.82 | 18.46 | 18.84 | 19.46 | 20.79 |
| | 6H | 13.00 | 13.58 | 14.02 | 14.59 | 15.93 | 18.43 | 19.01 | 19.45 | 20.02 | 21.36 |
| | 8H | 13.12 | 13.67 | 14.15 | 14.69 | 16.03 | 18.55 | 19.10 | 19.58 | 20.12 | 21.46 |
| | 12H | 13.19 | 13.71 | 14.22 | 14.73 | 16.09 | 18.59 | 19.11 | 19.62 | 20.13 | 21.49 |
| 4H | 2H | 11.93 | 12.57 | 12.96 | 13.57 | 14.90 | 10.93 | 11.56 | 11.95 | 12.56 | 13.90 |
| | 3H | 12.93 | 13.45 | 13.95 | 14.49 | 15.83 | 17.25 | 17.78 | 18.28 | 18.81 | 20.15 |
| | 4H | 13.49 | 13.97 | 14.52 | 14.99 | 16.36 | 18.70 | 19.18 | 19.73 | 20.20 | 21.57 |
| | 6H | 13.96 | 14.37 | 15.00 | 15.42 | 16.78 | 19.43 | 19.85 | 20.47 | 20.89 | 22.26 |
| | 8H | 14.13 | 14.52 | 15.17 | 15.55 | 16.93 | 19.60 | 19.98 | 20.64 | 21.02 | 22.40 |
| | 12H | 14.24 | 14.59 | 15.30 | 15.64 | 17.02 | 19.65 | 20.00 | 20.71 | 21.06 | 22.44 |
| 8H | 4H | 14.58 | 14.97 | 15.62 | 16.01 | 17.38 | 18.82 | 19.20 | 19.86 | 20.24 | 21.62 |
| | 6H | 15.19 | 15.51 | 16.25 | 16.59 | 17.96 | 19.69 | 20.01 | 20.76 | 21.09 | 22.47 |
| | 8H | 15.42 | 15.70 | 16.50 | 16.77 | 18.16 | 19.94 | 20.22 | 21.02 | 21.29 | 22.68 |
| | 12H | 15.59 | 15.84 | 16.67 | 16.90 | 18.33 | 20.06 | 20.31 | 21.14 | 21.37 | 22.80 |
| 12H | 4H | 14.72 | 15.07 | 15.78 | 16.12 | 17.51 | 18.77 | 19.12 | 19.83 | 20.18 | 21.56 |
| | 6H | 15.46 | 15.74 | 16.54 | 16.81 | 18.20 | 19.70 | 19.98 | 20.78 | 21.05 | 22.44 |
| | 8H | 15.76 | 16.00 | 16.83 | 17.06 | 18.50 | 19.98 | 20.22 | 21.06 | 21.28 | 22.72 |