

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: INVUE

Report Number: P180877

Luminaire Tested: **ICM-E03-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180877
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E03-LED-E1-SL4-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7529.8 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 75.2
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: 25 FT

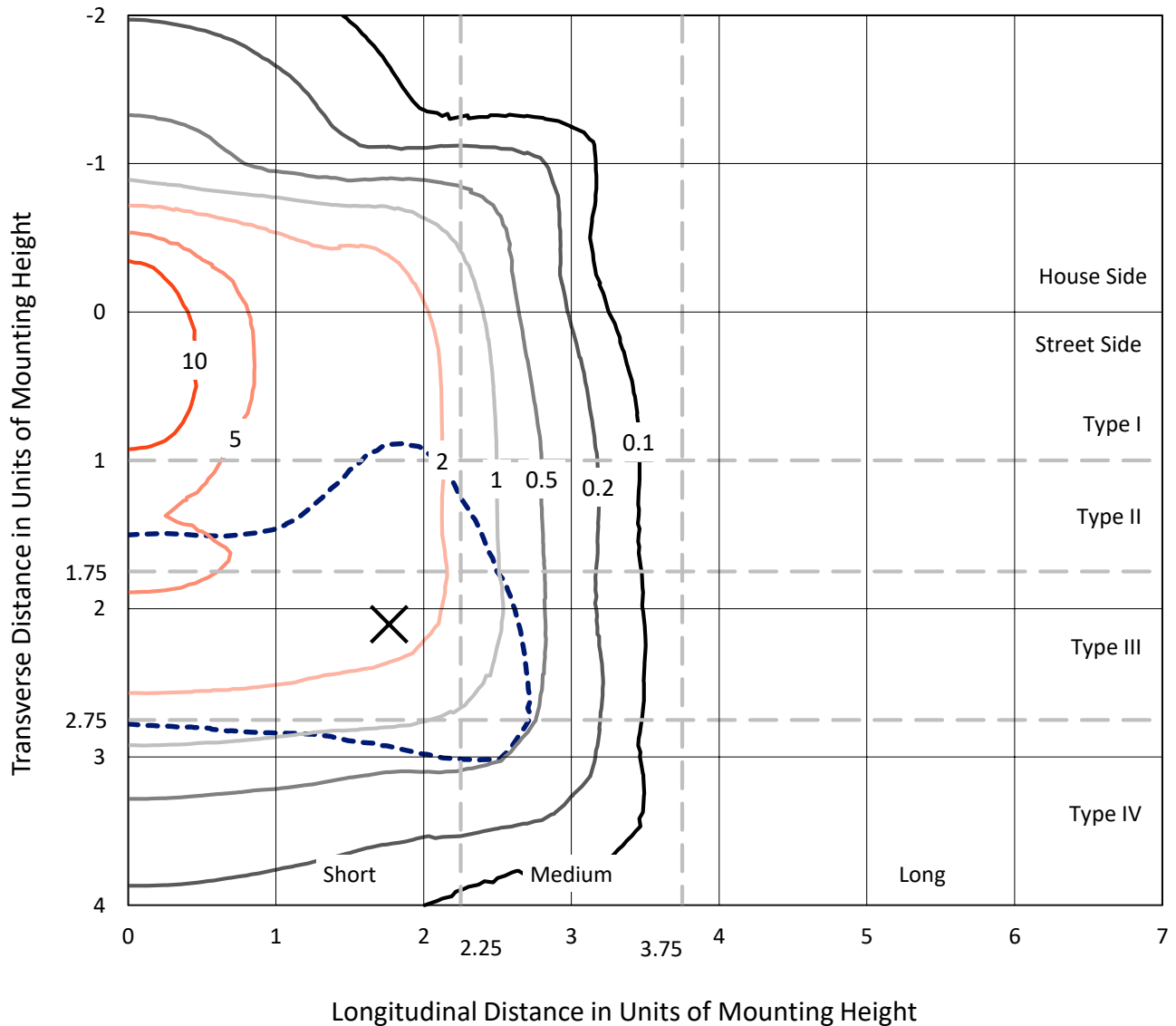


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Iso-Footcandle Lines of Horizontal Illumination

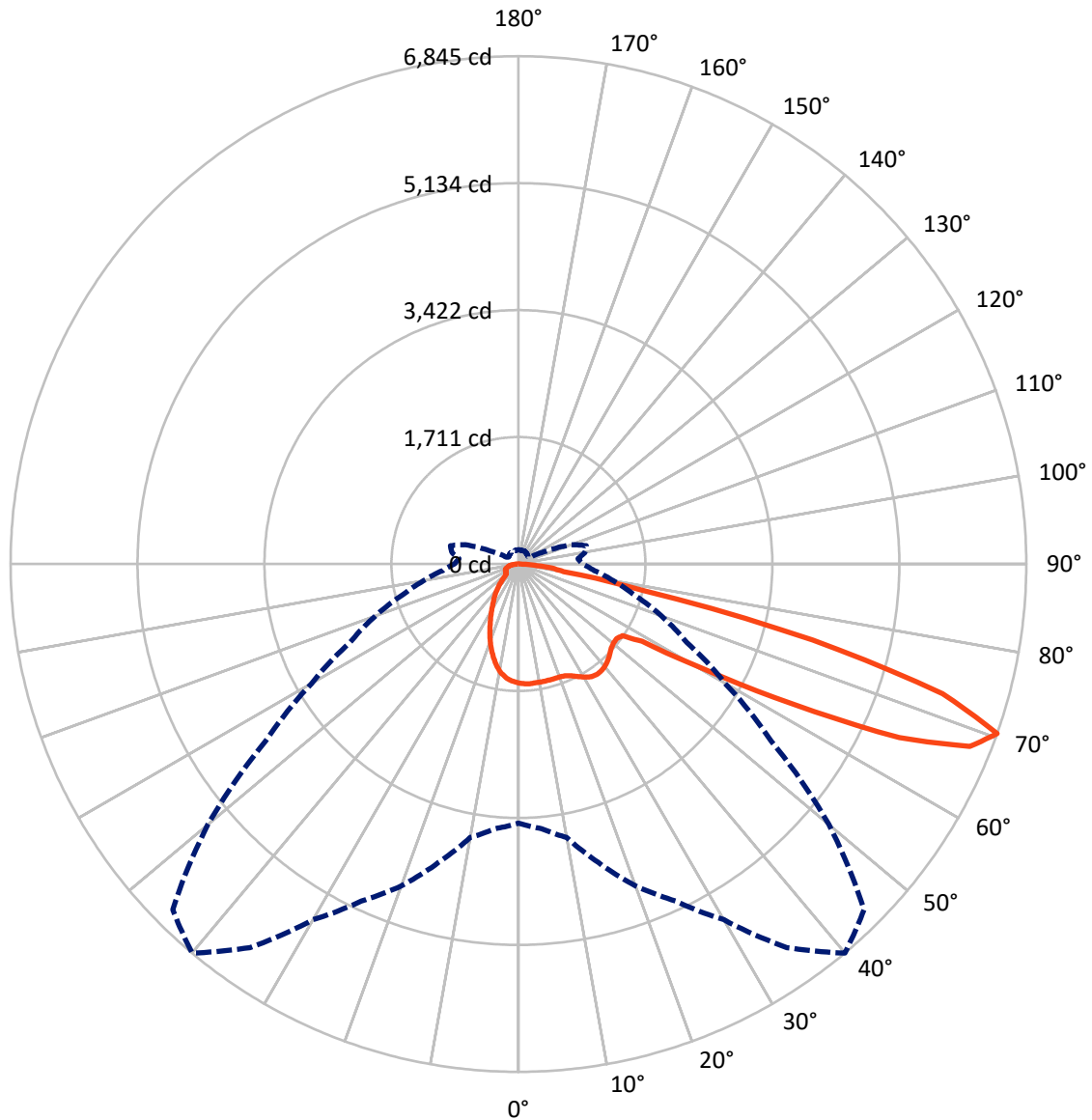
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1563.1 | 0.0 | 1563.1 |
| | % Fixture | 20.8 | 0.0 | 20.8 |
| Street Side | Lumens | 5966.7 | 0.0 | 5966.7 |
| | % Fixture | 79.2 | 0.0 | 79.2 |
| Total | Lumens | 7529.8 | 0.0 | 7529.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 150.1 | 2.0 |
| 10°-20° | 410.9 | 5.5 |
| 20°-30° | 608.3 | 8.1 |
| 30°-40° | 768.7 | 10.2 |
| 40°-50° | 869.4 | 11.5 |
| 50°-60° | 1237.1 | 16.4 |
| 60°-70° | 2304.0 | 30.6 |
| 70°-80° | 1055.9 | 14.0 |
| 80°-90° | 125.4 | 1.7 |
| 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°-90° | 7529.8 | 100.0 |
| 0°-180° | 7529.8 | 100.0 |



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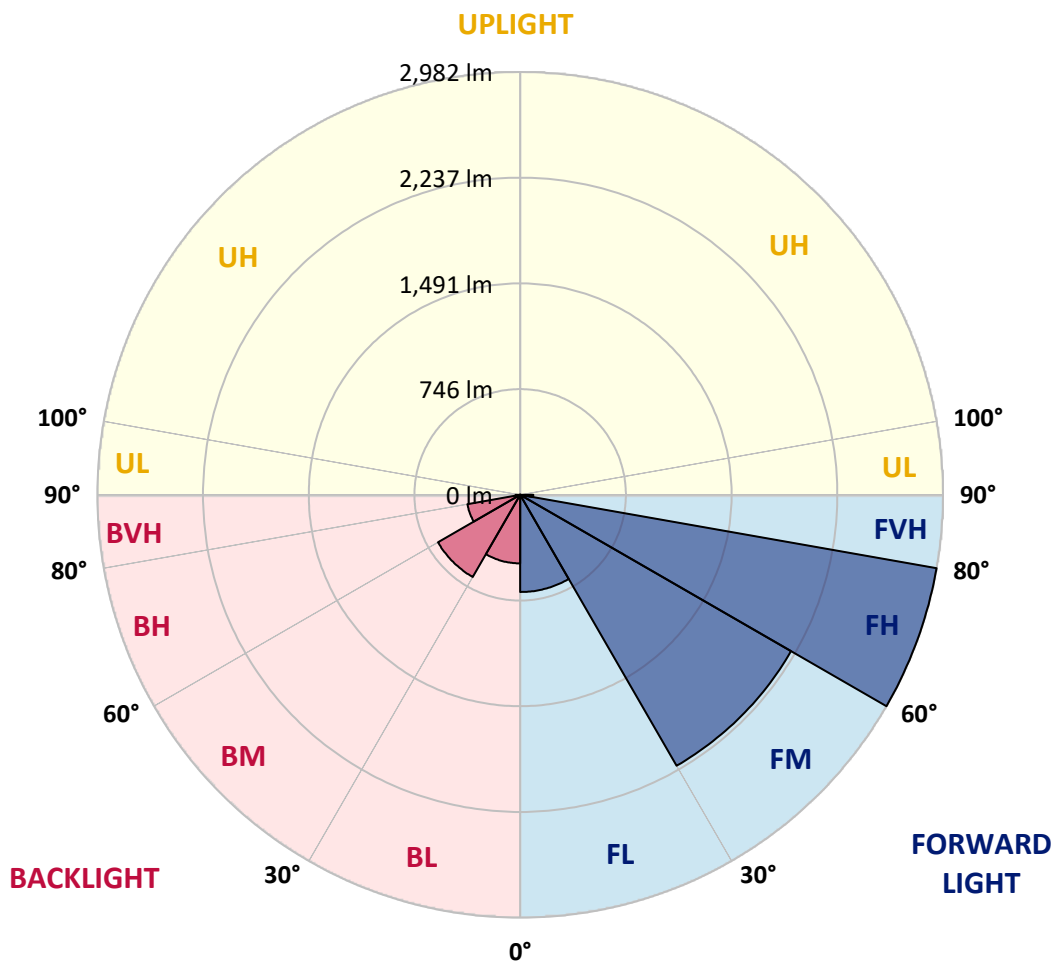
CATALOG NUMBER: ICM-E03-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 685.6 | 9.1 | | | |
| FM (30°-60°) | 2206.0 | 29.3 | | | |
| FH (60°-80°) | 2982.1 | 39.6 | | | G2/5000 |
| FVH (80°-90°) | 93.0 | 1.2 | | | G1/100 |
| BL (0°-30°) | 483.6 | 6.4 | B1/500 | | |
| BM (30°-60°) | 669.2 | 8.9 | B1/1000 | | |
| BH (60°-80°) | 377.9 | 5.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 32.4 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 |
| 2.5° | 1631.3 | 1635.5 | 1630.4 | 1629.6 | 1629.6 | 1628.8 | 1623.6 | 1622.8 | 1616.0 | 1616.8 | 1618.5 |
| 5° | 1643.2 | 1644.8 | 1641.5 | 1640.7 | 1639.0 | 1635.5 | 1631.3 | 1626.2 | 1621.1 | 1616.0 | 1611.7 |
| 7.5° | 1655.1 | 1653.4 | 1650.8 | 1650.8 | 1648.3 | 1643.2 | 1634.7 | 1627.9 | 1616.8 | 1610.9 | 1603.3 |
| 10° | 1672.1 | 1669.5 | 1666.1 | 1664.5 | 1660.2 | 1652.6 | 1640.7 | 1631.3 | 1617.7 | 1605.8 | 1593.0 |
| 12.5° | 1688.2 | 1687.4 | 1682.2 | 1679.7 | 1672.9 | 1665.3 | 1650.8 | 1636.4 | 1618.5 | 1599.8 | 1582.9 |
| 15° | 1717.1 | 1713.7 | 1708.6 | 1703.5 | 1692.5 | 1682.2 | 1660.2 | 1643.2 | 1617.7 | 1593.0 | 1566.7 |
| 17.5° | 1767.3 | 1761.3 | 1756.2 | 1745.1 | 1731.5 | 1713.7 | 1681.4 | 1652.6 | 1617.7 | 1582.1 | 1552.3 |
| 20° | 1859.0 | 1846.2 | 1839.5 | 1825.0 | 1801.2 | 1768.9 | 1718.8 | 1672.1 | 1620.3 | 1574.3 | 1534.4 |
| 22.5° | 1962.6 | 1954.2 | 1944.8 | 1935.5 | 1898.1 | 1851.4 | 1783.4 | 1713.7 | 1635.5 | 1571.0 | 1520.0 |
| 25° | 2079.1 | 2068.0 | 2062.9 | 2046.8 | 2011.9 | 1958.4 | 1865.8 | 1768.9 | 1670.3 | 1584.6 | 1520.0 |
| 27.5° | 2182.7 | 2179.3 | 2178.4 | 2159.7 | 2126.6 | 2063.7 | 1954.2 | 1837.8 | 1718.0 | 1612.6 | 1532.8 |
| 30° | 2277.0 | 2273.6 | 2271.9 | 2261.7 | 2223.5 | 2148.8 | 2029.8 | 1898.9 | 1769.8 | 1651.7 | 1556.6 |
| 32.5° | 2377.3 | 2366.2 | 2361.1 | 2341.6 | 2298.2 | 2210.7 | 2074.8 | 1938.9 | 1810.5 | 1690.0 | 1582.9 |
| 35° | 2458.8 | 2449.5 | 2439.3 | 2411.3 | 2350.1 | 2246.4 | 2094.3 | 1952.5 | 1826.7 | 1711.2 | 1596.5 |
| 37.5° | 2518.3 | 2508.9 | 2494.5 | 2458.8 | 2383.2 | 2258.3 | 2093.5 | 1948.2 | 1820.8 | 1707.7 | 1599.0 |
| 40° | 2544.7 | 2535.3 | 2520.0 | 2475.0 | 2389.1 | 2251.5 | 2077.3 | 1928.7 | 1802.9 | 1690.0 | 1588.8 |
| 42.5° | 2534.4 | 2527.6 | 2508.1 | 2464.8 | 2370.4 | 2220.9 | 2045.0 | 1892.1 | 1768.9 | 1661.0 | 1565.9 |
| 45° | 2495.4 | 2490.2 | 2471.6 | 2425.7 | 2328.0 | 2171.6 | 1997.5 | 1846.2 | 1728.2 | 1625.3 | 1535.3 |
| 47.5° | 2436.8 | 2435.1 | 2416.4 | 2371.4 | 2274.4 | 2122.3 | 1948.2 | 1801.2 | 1687.4 | 1590.5 | 1509.8 |
| 50° | 2372.2 | 2363.6 | 2354.3 | 2312.7 | 2224.4 | 2079.9 | 1912.6 | 1773.2 | 1664.5 | 1577.8 | 1498.8 |
| 52.5° | 2331.4 | 2328.9 | 2320.4 | 2283.0 | 2198.0 | 2055.3 | 1896.4 | 1763.0 | 1662.7 | 1575.3 | 1492.8 |
| 55° | 2693.3 | 2699.3 | 2621.1 | 2458.8 | 2316.1 | 2123.3 | 1944.8 | 1814.8 | 1704.4 | 1616.0 | 1555.6 |
| 57.5° | 3983.9 | 3957.6 | 3823.4 | 3501.3 | 3137.7 | 2657.7 | 2311.8 | 2102.0 | 1965.2 | 1980.5 | 2011.1 |
| 60° | 4641.5 | 4636.5 | 4611.8 | 4486.9 | 4244.8 | 3879.5 | 3474.2 | 3009.4 | 2861.6 | 2877.7 | 2889.6 |
| 62.5° | 4935.6 | 4943.2 | 4961.9 | 4915.1 | 4851.4 | 4745.2 | 4543.0 | 4356.0 | 4158.1 | 4084.2 | 3886.3 |
| 65° | 5071.5 | 5085.1 | 5127.6 | 5153.9 | 5178.5 | 5197.2 | 5277.1 | 5496.3 | 5640.7 | 5370.5 | 4741.8 |
| 67.5° | 4790.3 | 4855.7 | 4995.8 | 5132.6 | 5255.0 | 5429.1 | 5699.4 | 6208.3 | 6562.6 | 6230.4 | 5318.7 |
| 70° | 3492.0 | 3581.2 | 3741.8 | 4164.9 | 4616.9 | 5012.0 | 5535.4 | 6310.3 | 6844.7 | 6588.0 | 5461.4 |
| 72.5° | 2189.5 | 2214.2 | 2285.5 | 2441.0 | 2776.6 | 3283.8 | 4198.9 | 5361.1 | 5978.0 | 5773.2 | 4616.0 |
| 75° | 1389.1 | 1397.7 | 1395.1 | 1430.8 | 1487.7 | 1598.1 | 1960.1 | 3166.6 | 4095.2 | 3775.7 | 2572.7 |
| 77.5° | 827.5 | 840.3 | 845.4 | 856.5 | 883.6 | 922.7 | 952.5 | 1077.3 | 1717.1 | 1667.0 | 933.8 |
| 80° | 693.3 | 703.5 | 695.0 | 692.5 | 675.4 | 663.5 | 678.1 | 663.5 | 616.0 | 593.0 | 546.3 |
| 82.5° | 367.1 | 366.2 | 363.6 | 388.3 | 438.4 | 477.5 | 507.3 | 500.5 | 452.8 | 385.8 | 327.1 |
| 85° | 201.4 | 208.2 | 208.2 | 216.7 | 209.0 | 209.9 | 216.7 | 228.6 | 211.5 | 176.7 | 144.5 |
| 87.5° | 17.0 | 26.3 | 21.2 | 26.3 | 35.7 | 25.5 | 24.7 | 24.7 | 21.2 | 15.3 | 13.6 |
| 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: ICM-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 |
| 2.5° | 1614.3 | 1612.6 | 1609.2 | 1606.6 | 1606.6 | 1602.4 | 1599.8 | 1598.1 | 1597.3 | 1593.9 | 1593.9 |
| 5° | 1609.2 | 1603.3 | 1597.3 | 1593.0 | 1590.5 | 1586.2 | 1579.5 | 1576.1 | 1571.8 | 1568.4 | 1566.7 |
| 7.5° | 1598.1 | 1587.1 | 1577.8 | 1571.0 | 1562.5 | 1555.6 | 1547.2 | 1539.5 | 1531.9 | 1528.5 | 1526.8 |
| 10° | 1581.1 | 1566.7 | 1552.3 | 1539.5 | 1527.6 | 1515.7 | 1504.7 | 1493.7 | 1484.3 | 1477.5 | 1470.7 |
| 12.5° | 1565.0 | 1542.9 | 1524.3 | 1505.6 | 1486.9 | 1472.4 | 1457.1 | 1440.9 | 1427.4 | 1414.6 | 1411.3 |
| 15° | 1542.9 | 1517.4 | 1493.7 | 1470.7 | 1447.7 | 1424.0 | 1405.3 | 1387.5 | 1365.4 | 1350.9 | 1339.9 |
| 17.5° | 1522.5 | 1491.9 | 1463.1 | 1435.9 | 1407.8 | 1383.2 | 1355.2 | 1331.4 | 1309.3 | 1287.2 | 1271.1 |
| 20° | 1500.5 | 1467.4 | 1436.8 | 1406.1 | 1375.5 | 1344.1 | 1311.8 | 1281.2 | 1254.1 | 1227.7 | 1201.4 |
| 22.5° | 1480.9 | 1446.9 | 1417.2 | 1384.0 | 1350.1 | 1314.4 | 1277.0 | 1238.8 | 1207.4 | 1173.3 | 1142.8 |
| 25° | 1469.0 | 1431.6 | 1401.0 | 1368.8 | 1331.4 | 1292.3 | 1249.8 | 1204.8 | 1166.5 | 1127.4 | 1090.9 |
| 27.5° | 1469.0 | 1420.6 | 1389.1 | 1356.8 | 1318.6 | 1277.0 | 1230.2 | 1181.0 | 1137.7 | 1094.3 | 1049.3 |
| 30° | 1481.8 | 1422.2 | 1379.8 | 1345.8 | 1306.7 | 1261.7 | 1209.9 | 1158.1 | 1110.4 | 1059.4 | 1016.2 |
| 32.5° | 1493.7 | 1425.7 | 1373.0 | 1329.7 | 1284.7 | 1240.5 | 1187.8 | 1132.6 | 1079.9 | 1031.4 | 985.6 |
| 35° | 1501.3 | 1425.7 | 1360.3 | 1305.0 | 1254.1 | 1210.7 | 1158.9 | 1103.6 | 1050.1 | 1002.6 | 960.1 |
| 37.5° | 1502.1 | 1418.9 | 1339.9 | 1277.0 | 1223.4 | 1178.4 | 1129.1 | 1077.3 | 1026.3 | 982.1 | 946.5 |
| 40° | 1493.7 | 1405.3 | 1319.4 | 1247.3 | 1191.2 | 1145.3 | 1100.3 | 1053.6 | 1007.6 | 971.2 | 940.6 |
| 42.5° | 1478.3 | 1390.9 | 1299.9 | 1223.4 | 1164.8 | 1117.3 | 1075.6 | 1035.7 | 995.7 | 964.4 | 938.9 |
| 45° | 1455.5 | 1371.3 | 1282.1 | 1209.0 | 1151.3 | 1101.1 | 1060.4 | 1027.2 | 993.2 | 966.9 | 941.4 |
| 47.5° | 1435.0 | 1364.5 | 1288.0 | 1218.3 | 1158.1 | 1106.2 | 1064.6 | 1036.6 | 1010.2 | 992.4 | 957.5 |
| 50° | 1430.8 | 1361.1 | 1290.6 | 1226.1 | 1164.8 | 1112.2 | 1075.6 | 1061.2 | 1053.6 | 1042.5 | 988.9 |
| 52.5° | 1418.9 | 1360.3 | 1309.3 | 1273.6 | 1234.5 | 1209.9 | 1171.6 | 1185.2 | 1176.8 | 1137.7 | 1040.8 |
| 55° | 1543.8 | 1560.8 | 1608.4 | 1676.3 | 1739.2 | 1753.7 | 1749.4 | 1733.2 | 1647.5 | 1417.2 | 1165.7 |
| 57.5° | 2122.3 | 2218.4 | 2308.5 | 2348.4 | 2343.3 | 2298.2 | 2266.0 | 2200.6 | 2076.5 | 1796.1 | 1412.1 |
| 60° | 2926.2 | 2941.4 | 2893.9 | 2823.4 | 2704.4 | 2604.9 | 2498.8 | 2376.4 | 2196.3 | 1921.9 | 1563.4 |
| 62.5° | 3666.2 | 3460.6 | 3249.0 | 3050.2 | 2869.2 | 2711.2 | 2563.4 | 2392.6 | 2158.1 | 1871.7 | 1543.8 |
| 65° | 4188.7 | 3753.7 | 3419.7 | 3134.3 | 2878.5 | 2657.7 | 2473.3 | 2251.5 | 1987.3 | 1729.0 | 1430.8 |
| 67.5° | 4458.0 | 3791.1 | 3278.7 | 2881.1 | 2518.3 | 2212.5 | 1966.9 | 1751.1 | 1554.8 | 1441.9 | 1252.4 |
| 70° | 4157.2 | 3217.6 | 2503.8 | 2054.4 | 1620.3 | 1299.1 | 1026.3 | 861.5 | 804.6 | 911.6 | 948.2 |
| 72.5° | 3097.8 | 2094.3 | 1489.4 | 1152.1 | 882.8 | 703.5 | 539.5 | 424.0 | 344.9 | 362.0 | 469.9 |
| 75° | 1464.8 | 904.0 | 638.9 | 486.0 | 386.6 | 320.3 | 261.7 | 239.6 | 200.6 | 166.5 | 156.4 |
| 77.5° | 570.1 | 415.4 | 343.3 | 251.5 | 178.4 | 143.6 | 122.3 | 118.1 | 120.7 | 117.2 | 115.5 |
| 80° | 434.1 | 294.0 | 184.4 | 135.1 | 116.4 | 102.8 | 90.9 | 87.5 | 89.2 | 93.5 | 97.7 |
| 82.5° | 242.1 | 151.3 | 112.2 | 97.7 | 87.5 | 74.8 | 68.0 | 62.9 | 63.7 | 68.8 | 78.1 |
| 85° | 93.5 | 73.0 | 67.2 | 64.6 | 60.3 | 48.5 | 41.7 | 42.5 | 48.5 | 57.8 | 57.8 |
| 87.5° | 10.2 | 10.2 | 13.6 | 10.2 | 10.2 | 10.2 | 9.3 | 11.1 | 11.9 | 15.3 | 17.9 |
| 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: ICM-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 | 1606.6 |
| 2.5° | 1592.2 | 1592.2 | 1592.2 | 1590.5 | 1591.4 | 1588.0 | 1588.0 | 1585.4 | 1589.7 | 1587.1 | 1586.2 |
| 5° | 1567.5 | 1566.7 | 1563.4 | 1563.4 | 1563.4 | 1563.4 | 1565.9 | 1559.1 | 1564.2 | 1564.2 | 1561.6 |
| 7.5° | 1526.0 | 1526.0 | 1516.6 | 1521.7 | 1520.0 | 1522.5 | 1526.0 | 1522.5 | 1527.6 | 1531.1 | 1528.5 |
| 10° | 1468.2 | 1468.2 | 1460.5 | 1466.4 | 1463.9 | 1469.9 | 1475.8 | 1472.4 | 1475.8 | 1480.9 | 1482.6 |
| 12.5° | 1404.5 | 1401.0 | 1394.2 | 1396.8 | 1396.8 | 1400.2 | 1402.7 | 1407.0 | 1411.3 | 1418.1 | 1421.4 |
| 15° | 1330.5 | 1325.4 | 1316.9 | 1316.9 | 1311.8 | 1313.5 | 1318.6 | 1320.3 | 1328.8 | 1338.1 | 1349.2 |
| 17.5° | 1254.9 | 1242.1 | 1232.8 | 1221.8 | 1213.3 | 1220.1 | 1226.1 | 1230.2 | 1237.0 | 1251.5 | 1259.2 |
| 20° | 1183.5 | 1158.1 | 1140.2 | 1125.8 | 1116.4 | 1120.7 | 1128.3 | 1133.4 | 1139.4 | 1142.8 | 1145.3 |
| 22.5° | 1113.0 | 1084.1 | 1059.4 | 1041.7 | 1026.3 | 1030.6 | 1027.2 | 1024.7 | 1028.9 | 1017.9 | 1017.0 |
| 25° | 1051.8 | 1017.9 | 984.8 | 963.4 | 944.7 | 938.9 | 921.0 | 916.7 | 904.8 | 895.5 | 888.7 |
| 27.5° | 1007.6 | 963.4 | 927.0 | 902.3 | 872.6 | 850.5 | 827.5 | 804.6 | 791.8 | 776.6 | 768.9 |
| 30° | 972.8 | 926.1 | 882.8 | 841.1 | 802.1 | 768.1 | 737.5 | 707.7 | 687.4 | 665.3 | 650.8 |
| 32.5° | 940.6 | 897.2 | 844.6 | 787.6 | 734.9 | 696.7 | 656.7 | 622.8 | 590.5 | 561.6 | 540.4 |
| 35° | 918.4 | 870.1 | 802.9 | 733.2 | 673.8 | 628.7 | 586.2 | 537.9 | 498.7 | 461.3 | 438.4 |
| 37.5° | 906.5 | 847.1 | 764.7 | 687.4 | 621.1 | 570.1 | 517.4 | 461.3 | 413.8 | 379.0 | 344.1 |
| 40° | 897.2 | 824.1 | 730.7 | 646.6 | 576.9 | 515.7 | 454.5 | 388.3 | 335.6 | 299.1 | 271.9 |
| 42.5° | 887.0 | 798.6 | 700.9 | 614.3 | 536.9 | 465.6 | 391.7 | 321.1 | 271.1 | 245.6 | 233.7 |
| 45° | 876.0 | 776.6 | 672.9 | 583.7 | 497.9 | 411.3 | 326.2 | 260.8 | 231.1 | 222.6 | 222.6 |
| 47.5° | 873.4 | 762.1 | 652.6 | 554.0 | 453.7 | 348.4 | 266.0 | 225.1 | 216.7 | 218.3 | 221.8 |
| 50° | 883.6 | 757.9 | 634.7 | 519.2 | 395.1 | 282.0 | 225.1 | 211.5 | 213.3 | 218.3 | 223.4 |
| 52.5° | 908.3 | 761.3 | 616.0 | 470.7 | 325.4 | 232.8 | 208.2 | 207.4 | 212.4 | 220.1 | 225.1 |
| 55° | 949.9 | 761.3 | 580.3 | 398.5 | 260.0 | 209.0 | 202.2 | 205.6 | 212.4 | 219.2 | 223.4 |
| 57.5° | 1039.1 | 753.6 | 517.4 | 318.6 | 217.5 | 200.6 | 200.6 | 204.7 | 210.7 | 217.5 | 220.9 |
| 60° | 1145.3 | 743.4 | 429.0 | 246.4 | 196.3 | 193.7 | 199.6 | 204.7 | 209.9 | 215.8 | 219.2 |
| 62.5° | 1152.1 | 717.1 | 339.8 | 203.9 | 185.2 | 189.5 | 198.8 | 205.6 | 207.4 | 211.5 | 215.8 |
| 65° | 1058.6 | 625.3 | 270.1 | 182.7 | 180.1 | 186.9 | 196.3 | 201.4 | 202.2 | 203.9 | 208.2 |
| 67.5° | 927.0 | 509.8 | 218.3 | 172.5 | 175.1 | 182.7 | 187.8 | 192.0 | 194.6 | 198.8 | 199.6 |
| 70° | 761.3 | 409.5 | 186.9 | 162.2 | 164.8 | 173.3 | 177.6 | 181.9 | 186.9 | 192.0 | 189.5 |
| 72.5° | 539.5 | 318.6 | 164.0 | 151.3 | 154.6 | 162.2 | 167.3 | 170.8 | 175.1 | 180.1 | 176.7 |
| 75° | 229.4 | 222.6 | 141.9 | 136.7 | 141.9 | 147.0 | 152.1 | 157.2 | 161.4 | 164.0 | 164.0 |
| 77.5° | 117.2 | 130.9 | 122.3 | 122.3 | 125.8 | 130.9 | 135.1 | 140.2 | 142.7 | 145.3 | 148.7 |
| 80° | 99.4 | 101.1 | 102.8 | 106.2 | 109.6 | 114.7 | 119.0 | 123.2 | 124.0 | 124.9 | 126.6 |
| 82.5° | 82.4 | 85.8 | 87.5 | 92.7 | 95.2 | 96.8 | 99.4 | 99.4 | 101.1 | 101.1 | 98.5 |
| 85° | 59.4 | 63.7 | 66.2 | 67.2 | 66.2 | 67.2 | 68.0 | 69.7 | 74.0 | 74.0 | 70.5 |
| 87.5° | 17.0 | 16.2 | 20.4 | 21.2 | 23.0 | 26.3 | 29.8 | 35.7 | 37.4 | 39.1 | 39.1 |
| 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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| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1606.6 | 1606.6 | 1606.6 | 1606.6 |
| 2.5° | 1585.4 | 1587.1 | 1583.7 | 1584.6 |
| 5° | 1561.6 | 1565.0 | 1560.8 | 1565.9 |
| 7.5° | 1531.1 | 1536.1 | 1535.3 | 1534.4 |
| 10° | 1486.9 | 1493.7 | 1493.7 | 1496.2 |
| 12.5° | 1430.8 | 1435.0 | 1438.4 | 1440.1 |
| 15° | 1355.2 | 1362.8 | 1367.1 | 1367.1 |
| 17.5° | 1264.3 | 1269.3 | 1271.9 | 1268.5 |
| 20° | 1148.7 | 1147.0 | 1147.8 | 1139.4 |
| 22.5° | 1015.4 | 1017.9 | 1010.2 | 1011.9 |
| 25° | 884.5 | 880.2 | 883.6 | 878.5 |
| 27.5° | 757.9 | 758.7 | 749.4 | 753.6 |
| 30° | 637.2 | 632.9 | 621.1 | 627.1 |
| 32.5° | 520.8 | 509.8 | 497.0 | 489.4 |
| 35° | 411.3 | 394.2 | 388.3 | 385.8 |
| 37.5° | 322.9 | 304.2 | 298.2 | 291.4 |
| 40° | 256.6 | 249.8 | 247.3 | 248.9 |
| 42.5° | 230.2 | 230.2 | 231.9 | 232.8 |
| 45° | 223.4 | 226.0 | 228.6 | 229.4 |
| 47.5° | 224.3 | 226.9 | 230.2 | 231.1 |
| 50° | 226.0 | 228.6 | 231.1 | 231.9 |
| 52.5° | 226.9 | 226.9 | 228.6 | 229.4 |
| 55° | 225.1 | 224.3 | 225.1 | 226.0 |
| 57.5° | 221.8 | 220.1 | 220.9 | 223.4 |
| 60° | 220.1 | 217.5 | 219.2 | 220.9 |
| 62.5° | 215.8 | 215.0 | 216.7 | 217.5 |
| 65° | 206.4 | 207.4 | 209.9 | 209.9 |
| 67.5° | 198.0 | 198.8 | 199.6 | 200.6 |
| 70° | 187.8 | 188.7 | 190.3 | 191.2 |
| 72.5° | 175.9 | 179.3 | 181.9 | 185.2 |
| 75° | 166.5 | 170.0 | 175.1 | 178.4 |
| 77.5° | 150.4 | 152.9 | 158.9 | 163.2 |
| 80° | 127.4 | 126.6 | 127.4 | 130.0 |
| 82.5° | 97.7 | 97.7 | 96.8 | 96.0 |
| 85° | 68.8 | 68.0 | 65.4 | 65.4 |
| 87.5° | 37.4 | 36.6 | 35.7 | 34.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)