

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: P180666

Luminaire Tested: **ICM-E02-LED-E1-SL3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180666
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E02-LED-E1-SL3-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4767.5 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

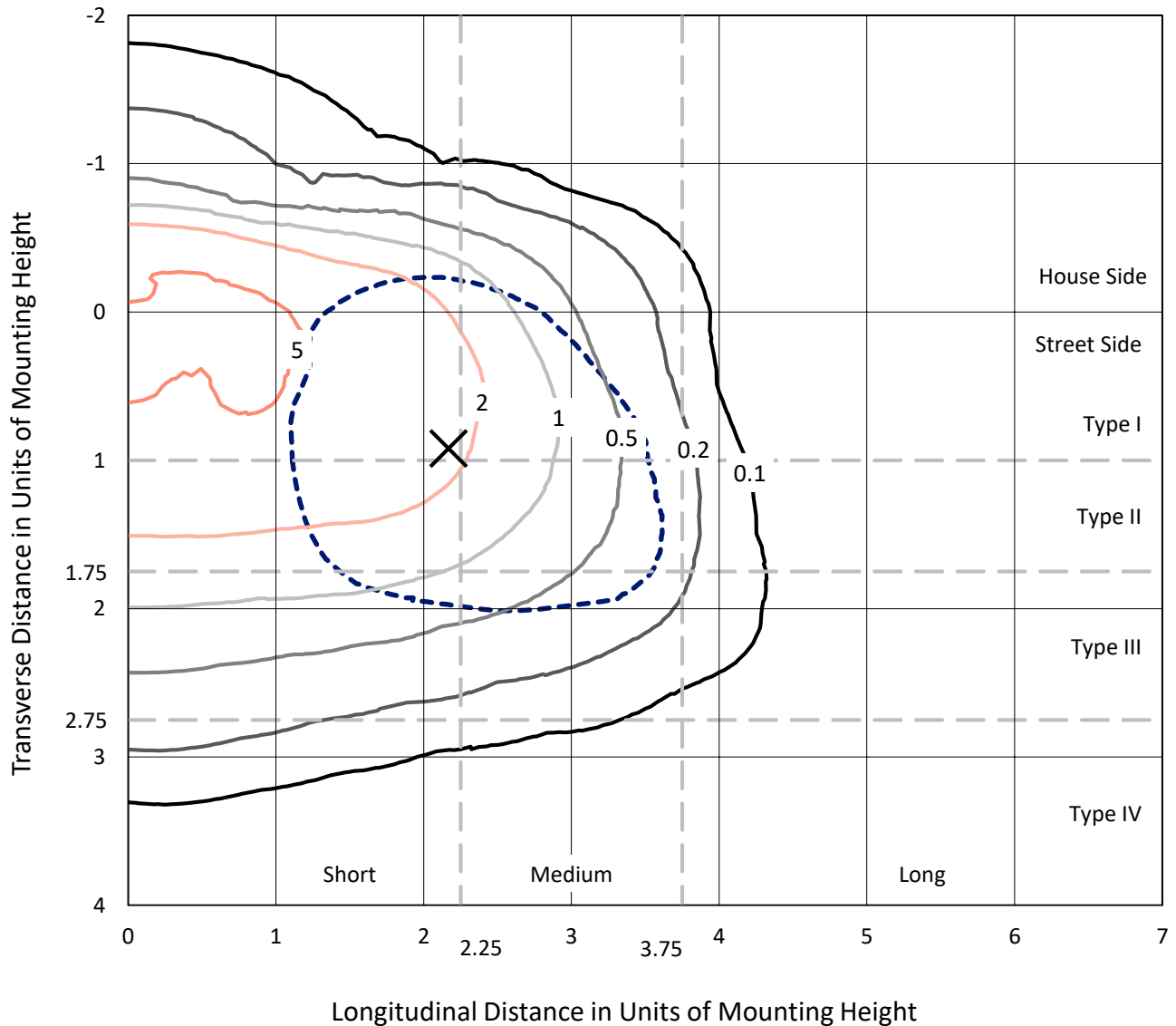
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

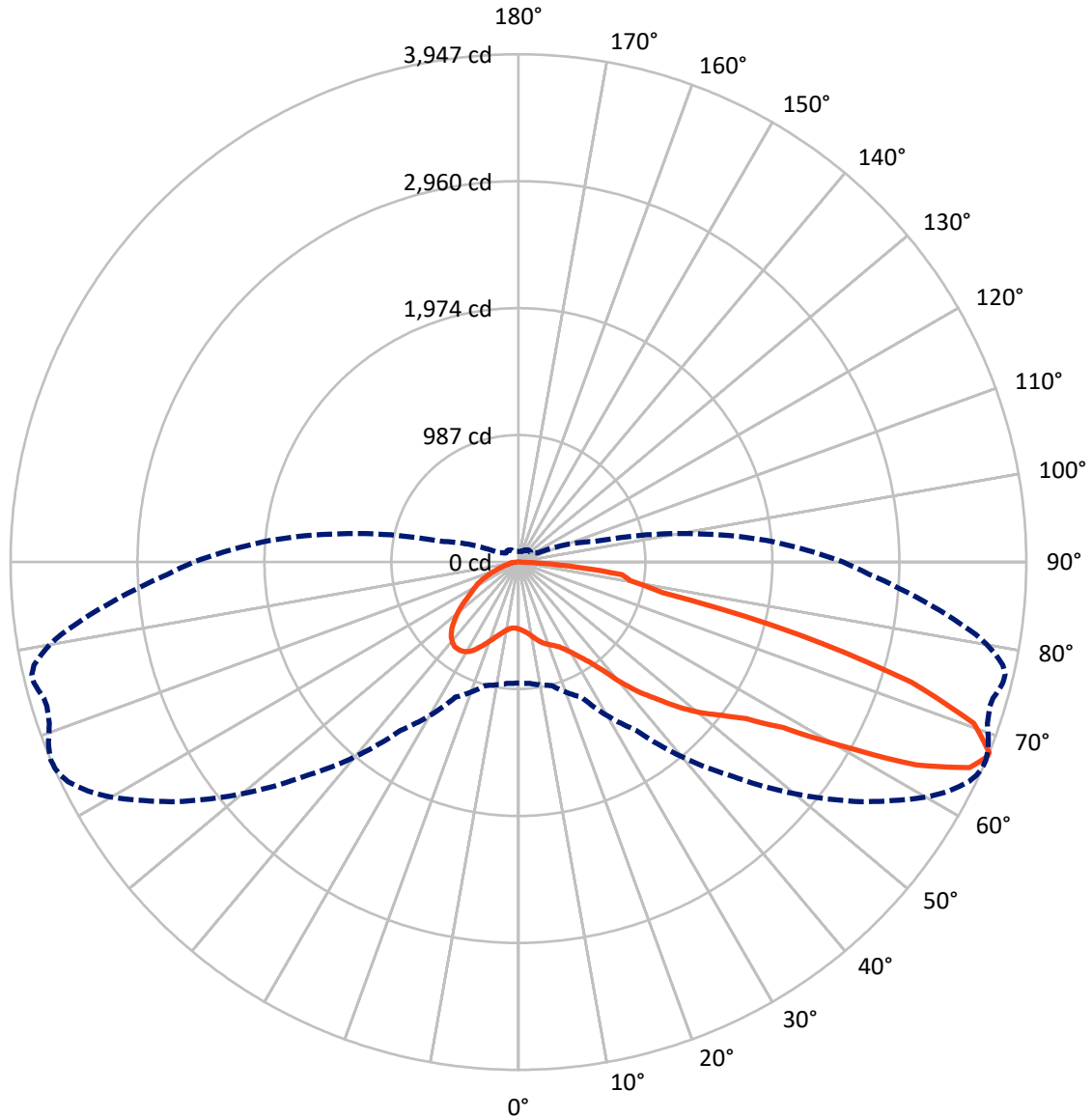
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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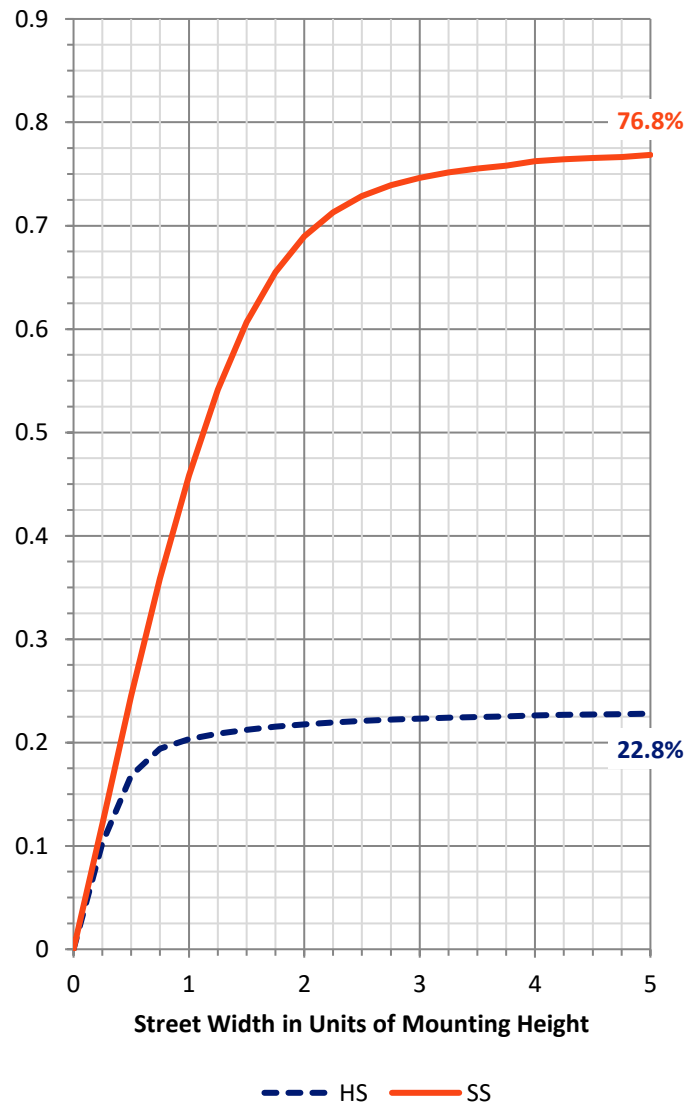
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1100.2 | 0.0 | 1100.2 |
| | % Fixture | 23.1 | 0.0 | 23.1 |
| Street Side | Lumens | 3667.3 | 0.0 | 3667.3 |
| | % Fixture | 76.9 | 0.0 | 76.9 |
| Total | Lumens | 4767.5 | 0.0 | 4767.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.9 | 1.1 |
| 10°-20° | 177.8 | 3.7 |
| 20°-30° | 313.9 | 6.6 |
| 30°-40° | 450.6 | 9.5 |
| 40°-50° | 684.4 | 14.4 |
| 50°-60° | 1007.6 | 21.1 |
| 60°-70° | 1339.1 | 28.1 |
| 70°-80° | 655.1 | 13.7 |
| 80°-90° | 87.0 | 1.8 |
| 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° | 4767.5 | 100.0 |
| 0°-180° | 4767.5 | 100.0 |



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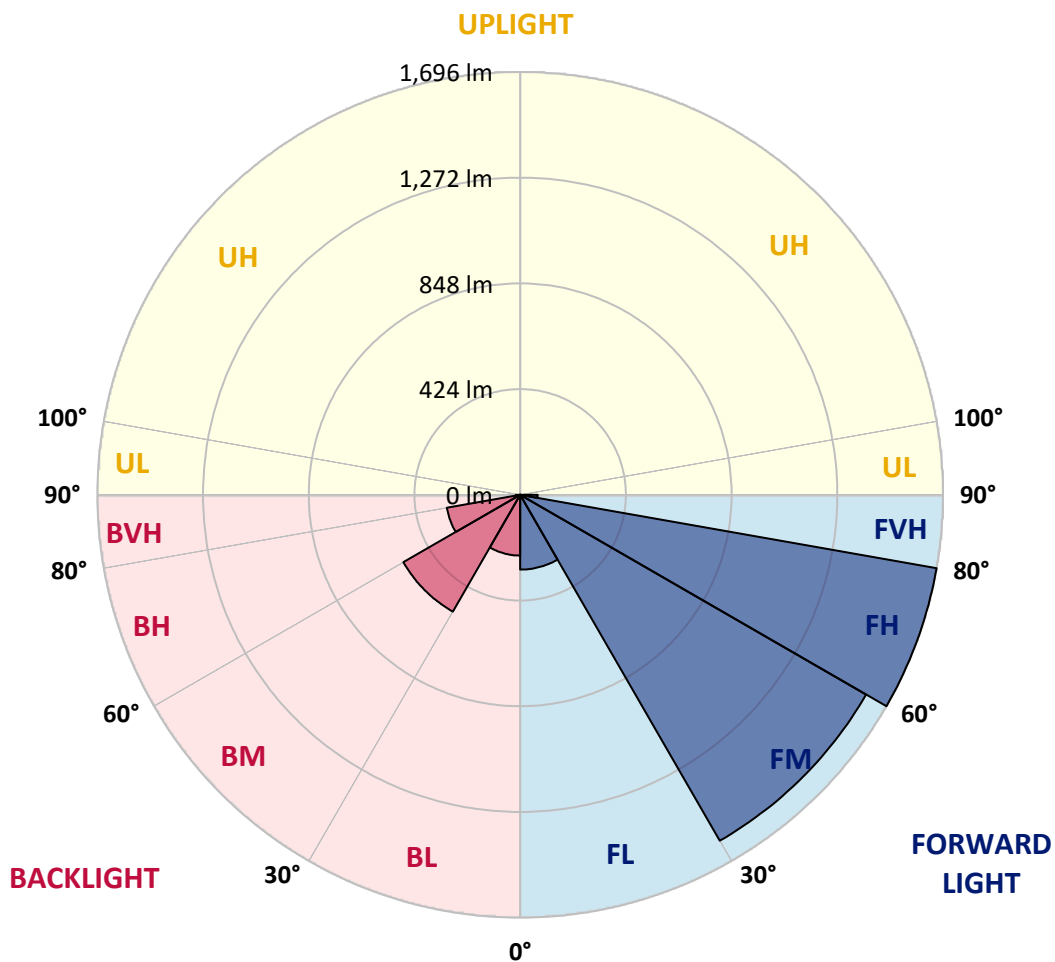
CATALOG NUMBER: ICM-E02-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 299.9 | 6.3 | | | |
| FM | (30°-60°) | 1601.8 | 33.6 | | | |
| FH | (60°-80°) | 1695.7 | 35.6 | | | G1/1800 |
| FVH | (80°-90°) | 69.9 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 243.7 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 540.9 | 11.3 | B1/1000 | | |
| BH | (60°-80°) | 298.5 | 6.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 17.1 | 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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 |
| 2.5° | 545.4 | 546.0 | 544.8 | 544.4 | 541.2 | 538.0 | 536.0 | 533.4 | 533.4 | 533.4 | 532.3 |
| 5° | 576.3 | 574.1 | 575.7 | 572.1 | 565.8 | 560.0 | 554.3 | 549.6 | 548.6 | 548.6 | 546.4 |
| 7.5° | 613.4 | 610.8 | 609.8 | 604.6 | 595.1 | 586.7 | 575.3 | 570.5 | 567.9 | 566.9 | 565.8 |
| 10° | 658.4 | 658.4 | 651.6 | 642.7 | 630.1 | 615.5 | 603.0 | 594.6 | 594.1 | 594.1 | 589.4 |
| 12.5° | 704.5 | 705.6 | 696.7 | 687.7 | 667.4 | 648.0 | 633.3 | 623.9 | 623.4 | 621.3 | 618.7 |
| 15° | 746.9 | 744.3 | 738.5 | 725.4 | 703.0 | 679.9 | 661.6 | 652.2 | 650.1 | 648.0 | 646.4 |
| 17.5° | 782.0 | 779.4 | 772.0 | 755.3 | 731.7 | 704.5 | 682.0 | 672.1 | 671.0 | 670.0 | 667.9 |
| 20° | 803.9 | 801.9 | 791.4 | 772.0 | 747.4 | 719.7 | 695.6 | 688.8 | 686.7 | 686.7 | 685.7 |
| 22.5° | 816.6 | 813.4 | 798.2 | 772.6 | 748.5 | 728.1 | 708.2 | 704.0 | 702.4 | 703.0 | 703.0 |
| 25° | 822.8 | 820.2 | 798.7 | 762.1 | 739.1 | 733.3 | 724.9 | 722.3 | 722.8 | 723.4 | 724.4 |
| 27.5° | 823.8 | 820.2 | 795.1 | 748.5 | 727.0 | 743.3 | 749.0 | 753.2 | 753.2 | 755.3 | 759.0 |
| 30° | 816.0 | 811.8 | 787.7 | 738.1 | 721.8 | 763.2 | 786.1 | 797.1 | 801.3 | 800.3 | 808.7 |
| 32.5° | 802.4 | 799.7 | 780.4 | 738.1 | 736.5 | 802.4 | 843.2 | 858.9 | 861.0 | 862.1 | 871.4 |
| 35° | 797.7 | 797.1 | 788.7 | 763.2 | 782.0 | 871.4 | 933.8 | 945.8 | 948.4 | 948.4 | 955.3 |
| 37.5° | 796.7 | 799.3 | 808.7 | 810.2 | 862.1 | 974.1 | 1055.7 | 1074.1 | 1074.1 | 1079.3 | 1079.3 |
| 40° | 796.7 | 802.4 | 838.0 | 880.4 | 959.9 | 1107.5 | 1220.6 | 1241.5 | 1241.5 | 1247.3 | 1244.1 |
| 42.5° | 827.5 | 835.9 | 894.5 | 975.1 | 1083.4 | 1245.2 | 1375.0 | 1398.5 | 1400.1 | 1398.5 | 1403.3 |
| 45° | 888.2 | 895.5 | 966.7 | 1082.4 | 1210.6 | 1392.8 | 1522.6 | 1550.9 | 1545.1 | 1548.8 | 1550.3 |
| 47.5° | 968.8 | 980.4 | 1061.5 | 1199.6 | 1334.7 | 1529.4 | 1688.0 | 1713.7 | 1711.5 | 1713.1 | 1706.3 |
| 50° | 1054.7 | 1066.7 | 1157.2 | 1315.8 | 1458.2 | 1639.4 | 1820.9 | 1859.2 | 1855.5 | 1858.1 | 1861.8 |
| 52.5° | 1130.5 | 1137.9 | 1225.3 | 1403.3 | 1551.9 | 1741.9 | 1923.0 | 1970.6 | 1979.0 | 1980.0 | 1982.7 |
| 55° | 1175.5 | 1184.5 | 1264.6 | 1446.7 | 1619.9 | 1842.4 | 2039.7 | 2111.9 | 2128.2 | 2132.4 | 2143.9 |
| 57.5° | 1191.3 | 1200.7 | 1273.5 | 1452.9 | 1657.1 | 1936.6 | 2202.5 | 2329.7 | 2343.3 | 2365.8 | 2402.4 |
| 60° | 1190.8 | 1200.7 | 1264.0 | 1438.9 | 1694.8 | 2053.3 | 2455.8 | 2668.9 | 2738.0 | 2760.9 | 2813.3 |
| 62.5° | 1142.1 | 1153.6 | 1218.0 | 1395.9 | 1743.0 | 2202.5 | 2832.7 | 3160.3 | 3249.3 | 3291.2 | 3347.7 |
| 65° | 1035.3 | 1043.6 | 1103.9 | 1287.1 | 1729.3 | 2349.6 | 3147.7 | 3556.6 | 3637.7 | 3698.9 | 3799.9 |
| 67° | 940.6 | 945.8 | 992.9 | 1158.3 | 1596.4 | 2354.8 | 3247.2 | 3655.0 | 3725.6 | 3790.5 | 3894.7 |
| 67.5° | 916.5 | 927.4 | 964.1 | 1119.1 | 1546.7 | 2324.9 | 3240.4 | 3639.7 | 3712.0 | 3779.6 | 3889.4 |
| 70° | 745.9 | 761.6 | 779.9 | 884.0 | 1215.9 | 1956.0 | 3000.2 | 3377.0 | 3440.4 | 3503.2 | 3656.5 |
| 72.5° | 460.1 | 488.4 | 492.0 | 558.0 | 791.4 | 1352.0 | 2427.5 | 2847.8 | 2895.5 | 2940.5 | 3097.5 |
| 75° | 271.2 | 275.4 | 288.4 | 341.8 | 464.3 | 808.1 | 1628.8 | 2115.6 | 2159.5 | 2181.6 | 2304.6 |
| 77.5° | 151.3 | 155.4 | 166.4 | 212.5 | 356.9 | 544.4 | 948.4 | 1243.1 | 1269.8 | 1297.5 | 1277.7 |
| 80° | 62.8 | 68.6 | 73.8 | 85.9 | 167.0 | 429.7 | 652.2 | 790.3 | 807.6 | 823.8 | 844.3 |
| 82.5° | 30.3 | 32.5 | 39.8 | 45.6 | 60.7 | 176.4 | 511.4 | 685.1 | 705.6 | 729.1 | 776.7 |
| 85° | 14.1 | 15.7 | 22.0 | 26.1 | 29.3 | 44.5 | 171.2 | 333.4 | 361.7 | 366.9 | 376.4 |
| 87.5° | 1.0 | 1.0 | 2.6 | 3.6 | 5.2 | 5.8 | 17.8 | 25.1 | 28.3 | 25.7 | 32.5 |
| 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-E02-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 |
| 2.5° | 531.8 | 531.3 | 530.2 | 530.2 | 529.7 | 529.7 | 529.7 | 528.7 | 528.7 | 528.7 | 528.1 |
| 5° | 546.0 | 545.4 | 543.8 | 543.8 | 542.8 | 542.8 | 541.2 | 540.7 | 539.6 | 539.6 | 539.1 |
| 7.5° | 564.2 | 563.7 | 561.6 | 561.6 | 560.0 | 559.5 | 558.5 | 556.9 | 556.9 | 555.8 | 554.8 |
| 10° | 589.4 | 587.8 | 587.3 | 584.7 | 585.2 | 584.1 | 583.1 | 581.5 | 580.5 | 579.4 | 578.3 |
| 12.5° | 617.6 | 617.6 | 615.0 | 613.4 | 614.5 | 613.4 | 611.4 | 610.8 | 609.2 | 609.2 | 607.6 |
| 15° | 644.3 | 644.3 | 643.3 | 641.2 | 641.7 | 640.1 | 639.6 | 638.5 | 636.5 | 637.0 | 636.5 |
| 17.5° | 667.4 | 667.4 | 665.8 | 664.7 | 664.7 | 663.2 | 663.7 | 662.6 | 661.6 | 661.0 | 659.5 |
| 20° | 685.7 | 685.7 | 684.7 | 683.5 | 684.1 | 684.1 | 682.5 | 682.5 | 682.5 | 681.5 | 681.5 |
| 22.5° | 703.4 | 704.0 | 704.0 | 704.0 | 704.5 | 705.0 | 704.5 | 705.6 | 705.0 | 706.1 | 706.1 |
| 25° | 727.0 | 728.6 | 729.6 | 729.6 | 732.3 | 732.7 | 733.3 | 734.9 | 734.9 | 736.5 | 736.9 |
| 27.5° | 762.1 | 763.2 | 767.4 | 768.4 | 768.8 | 773.0 | 773.6 | 775.7 | 777.8 | 778.3 | 778.8 |
| 30° | 810.2 | 812.8 | 816.0 | 818.1 | 818.1 | 823.4 | 825.4 | 824.4 | 830.1 | 831.7 | 833.8 |
| 32.5° | 874.6 | 876.7 | 879.8 | 882.0 | 884.0 | 886.6 | 887.2 | 889.8 | 894.5 | 898.7 | 896.1 |
| 35° | 955.7 | 960.9 | 955.7 | 961.5 | 963.1 | 966.7 | 965.7 | 968.8 | 970.9 | 972.5 | 972.0 |
| 37.5° | 1073.5 | 1070.9 | 1069.9 | 1067.7 | 1064.1 | 1076.7 | 1070.3 | 1069.9 | 1066.7 | 1075.6 | 1069.9 |
| 40° | 1228.5 | 1230.1 | 1231.5 | 1223.2 | 1218.5 | 1218.5 | 1216.9 | 1211.2 | 1208.6 | 1216.4 | 1215.4 |
| 42.5° | 1390.1 | 1391.7 | 1384.4 | 1379.2 | 1367.2 | 1365.6 | 1358.2 | 1356.7 | 1354.1 | 1358.2 | 1354.1 |
| 45° | 1537.2 | 1538.3 | 1522.1 | 1524.7 | 1515.3 | 1516.8 | 1505.3 | 1510.1 | 1503.7 | 1507.9 | 1515.8 |
| 47.5° | 1701.6 | 1703.7 | 1689.6 | 1695.4 | 1685.9 | 1680.1 | 1679.6 | 1682.8 | 1675.9 | 1680.1 | 1682.2 |
| 50° | 1850.8 | 1848.2 | 1840.8 | 1842.4 | 1838.2 | 1839.3 | 1832.9 | 1838.7 | 1830.9 | 1839.3 | 1838.2 |
| 52.5° | 1983.2 | 1980.0 | 1978.5 | 1983.7 | 1980.0 | 1980.0 | 1976.4 | 1979.0 | 1980.0 | 1992.6 | 1995.3 |
| 55° | 2143.9 | 2146.5 | 2149.1 | 2158.5 | 2162.7 | 2155.9 | 2162.7 | 2175.8 | 2176.3 | 2206.2 | 2222.4 |
| 57.5° | 2401.9 | 2420.2 | 2429.7 | 2435.5 | 2460.0 | 2457.4 | 2473.1 | 2504.5 | 2507.6 | 2576.8 | 2617.0 |
| 60° | 2852.0 | 2884.5 | 2915.4 | 2898.6 | 2948.4 | 2963.6 | 2972.9 | 3031.6 | 3049.9 | 3115.4 | 3150.4 |
| 62.5° | 3420.5 | 3424.1 | 3472.3 | 3457.1 | 3485.4 | 3478.5 | 3490.1 | 3516.8 | 3540.9 | 3594.8 | 3627.7 |
| 65° | 3817.2 | 3834.5 | 3853.3 | 3834.0 | 3833.4 | 3810.4 | 3795.7 | 3795.3 | 3809.9 | 3821.4 | 3858.1 |
| 67° | 3925.0 | 3942.3 | 3947.0 | 3932.9 | 3912.5 | 3883.2 | 3855.9 | 3841.8 | 3832.4 | 3837.6 | 3860.7 |
| 67.5° | 3924.0 | 3940.2 | 3946.0 | 3932.4 | 3904.1 | 3879.5 | 3850.7 | 3834.5 | 3821.9 | 3824.6 | 3843.9 |
| 70° | 3701.0 | 3736.1 | 3754.9 | 3759.1 | 3755.5 | 3712.6 | 3687.9 | 3673.3 | 3662.8 | 3637.1 | 3635.6 |
| 72.5° | 3135.7 | 3178.2 | 3192.8 | 3216.3 | 3226.8 | 3163.5 | 3136.8 | 3153.0 | 3116.4 | 3035.3 | 3038.9 |
| 75° | 2302.4 | 2305.6 | 2256.4 | 2247.0 | 2211.9 | 2068.5 | 2025.6 | 1986.3 | 1923.5 | 1825.7 | 1733.5 |
| 77.5° | 1200.2 | 1199.6 | 1143.2 | 1114.3 | 1072.5 | 986.1 | 982.0 | 911.8 | 862.6 | 773.0 | 740.7 |
| 80° | 852.7 | 866.2 | 885.1 | 894.5 | 879.8 | 846.3 | 800.3 | 750.6 | 693.5 | 637.5 | 570.5 |
| 82.5° | 792.9 | 801.3 | 811.3 | 774.6 | 754.2 | 707.2 | 672.1 | 599.8 | 559.5 | 495.6 | 428.2 |
| 85° | 385.8 | 411.4 | 391.5 | 368.5 | 360.7 | 282.1 | 272.7 | 227.7 | 206.8 | 170.1 | 158.6 |
| 87.5° | 24.6 | 30.3 | 27.3 | 24.6 | 21.5 | 12.0 | 16.2 | 11.5 | 12.0 | 8.9 | 7.8 |
| 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-E02-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 |
| 2.5° | 528.1 | 527.6 | 527.1 | 526.5 | 526.0 | 526.0 | 525.5 | 524.9 | 524.5 | 523.4 | 523.4 |
| 5° | 538.0 | 538.0 | 537.6 | 536.5 | 536.5 | 535.4 | 533.9 | 533.4 | 533.4 | 532.3 | 531.3 |
| 7.5° | 554.3 | 553.8 | 552.7 | 552.2 | 551.2 | 550.1 | 549.0 | 548.0 | 547.4 | 546.0 | 545.4 |
| 10° | 578.9 | 577.9 | 575.3 | 574.1 | 573.7 | 572.7 | 571.5 | 570.5 | 568.9 | 567.9 | 567.4 |
| 12.5° | 606.6 | 606.1 | 604.0 | 605.0 | 602.4 | 601.4 | 600.4 | 597.8 | 598.8 | 596.7 | 595.6 |
| 15° | 634.3 | 634.9 | 633.9 | 633.9 | 631.7 | 630.1 | 629.1 | 627.1 | 626.5 | 625.5 | 624.5 |
| 17.5° | 659.0 | 660.0 | 658.4 | 657.4 | 656.4 | 655.4 | 653.2 | 651.1 | 651.1 | 649.0 | 648.0 |
| 20° | 681.5 | 682.5 | 682.0 | 680.9 | 679.4 | 678.9 | 677.8 | 676.3 | 676.3 | 675.2 | 673.6 |
| 22.5° | 707.2 | 707.6 | 707.6 | 707.2 | 705.6 | 706.1 | 705.0 | 703.4 | 704.0 | 701.9 | 701.9 |
| 25° | 738.1 | 739.1 | 740.1 | 740.7 | 739.5 | 740.1 | 739.1 | 738.1 | 737.5 | 738.1 | 737.5 |
| 27.5° | 780.4 | 781.5 | 784.6 | 782.0 | 784.6 | 785.1 | 783.5 | 781.5 | 783.0 | 785.7 | 784.1 |
| 30° | 836.4 | 835.4 | 839.5 | 840.1 | 839.5 | 840.1 | 839.0 | 837.5 | 838.5 | 843.2 | 840.6 |
| 32.5° | 899.3 | 901.3 | 902.3 | 903.4 | 904.9 | 907.1 | 905.5 | 903.9 | 906.5 | 904.9 | 908.7 |
| 35° | 975.1 | 979.8 | 981.4 | 979.8 | 980.8 | 984.6 | 984.0 | 984.6 | 989.8 | 984.6 | 991.4 |
| 37.5° | 1070.9 | 1075.6 | 1079.3 | 1077.2 | 1079.8 | 1079.8 | 1084.0 | 1095.4 | 1088.2 | 1097.6 | 1104.9 |
| 40° | 1210.1 | 1217.4 | 1218.0 | 1217.4 | 1220.1 | 1223.2 | 1227.4 | 1239.9 | 1231.5 | 1241.5 | 1248.3 |
| 42.5° | 1353.5 | 1362.4 | 1365.6 | 1360.4 | 1366.1 | 1372.9 | 1373.4 | 1384.4 | 1384.9 | 1386.5 | 1390.1 |
| 45° | 1515.3 | 1523.1 | 1529.4 | 1526.8 | 1527.3 | 1536.2 | 1534.1 | 1544.6 | 1536.8 | 1536.8 | 1538.8 |
| 47.5° | 1687.5 | 1694.8 | 1699.0 | 1703.2 | 1698.0 | 1705.8 | 1709.4 | 1707.4 | 1698.0 | 1695.8 | 1683.3 |
| 50° | 1844.5 | 1850.8 | 1857.0 | 1868.6 | 1868.0 | 1871.7 | 1874.3 | 1864.9 | 1862.8 | 1851.3 | 1837.1 |
| 52.5° | 2010.9 | 2027.2 | 2041.3 | 2065.4 | 2069.0 | 2081.6 | 2076.8 | 2061.2 | 2058.5 | 2039.7 | 2020.8 |
| 55° | 2242.8 | 2289.4 | 2309.8 | 2347.0 | 2372.1 | 2371.5 | 2361.1 | 2358.4 | 2338.6 | 2300.9 | 2278.4 |
| 57.5° | 2646.3 | 2719.1 | 2754.2 | 2802.3 | 2810.2 | 2805.5 | 2791.8 | 2767.7 | 2733.2 | 2669.9 | 2629.0 |
| 60° | 3228.9 | 3273.9 | 3314.7 | 3326.3 | 3332.0 | 3323.1 | 3275.5 | 3222.1 | 3154.6 | 3067.2 | 2994.4 |
| 62.5° | 3669.1 | 3715.2 | 3745.5 | 3740.8 | 3704.7 | 3659.2 | 3589.5 | 3500.0 | 3405.3 | 3307.5 | 3198.5 |
| 65° | 3893.1 | 3912.5 | 3907.7 | 3871.1 | 3809.3 | 3729.8 | 3628.3 | 3517.8 | 3406.3 | 3290.6 | 3177.6 |
| 67° | 3881.0 | 3881.6 | 3849.7 | 3778.4 | 3699.5 | 3599.5 | 3475.5 | 3355.1 | 3224.2 | 3102.8 | 2968.2 |
| 67.5° | 3859.7 | 3857.5 | 3813.0 | 3735.0 | 3649.7 | 3546.6 | 3417.9 | 3293.3 | 3157.7 | 3035.3 | 2896.0 |
| 70° | 3616.8 | 3587.5 | 3486.9 | 3362.3 | 3243.6 | 3104.3 | 2969.3 | 2826.4 | 2673.6 | 2568.4 | 2408.2 |
| 72.5° | 2971.9 | 2872.9 | 2699.7 | 2569.4 | 2442.2 | 2260.1 | 2175.8 | 1998.3 | 1891.1 | 1824.1 | 1703.2 |
| 75° | 1720.9 | 1638.2 | 1504.3 | 1382.3 | 1320.6 | 1212.8 | 1161.4 | 1031.1 | 1003.9 | 1002.9 | 960.9 |
| 77.5° | 656.8 | 573.1 | 486.8 | 392.0 | 333.4 | 264.8 | 233.4 | 208.8 | 190.0 | 203.1 | 184.3 |
| 80° | 492.6 | 405.1 | 316.7 | 230.3 | 164.4 | 121.4 | 104.2 | 96.3 | 91.6 | 87.9 | 85.3 |
| 82.5° | 366.9 | 289.5 | 224.6 | 146.5 | 102.6 | 77.5 | 67.0 | 62.8 | 60.7 | 57.0 | 54.0 |
| 85° | 124.1 | 99.4 | 78.5 | 54.4 | 42.9 | 35.1 | 32.5 | 31.4 | 29.9 | 27.3 | 25.7 |
| 87.5° | 6.8 | 6.3 | 6.8 | 5.2 | 6.3 | 5.2 | 5.8 | 5.8 | 5.8 | 5.2 | 5.2 |
| 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-E02-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 | 520.7 |
| 2.5° | 522.9 | 522.9 | 522.9 | 521.9 | 520.3 | 517.1 | 514.0 | 511.4 | 508.7 | 507.2 | 506.1 |
| 5° | 530.7 | 529.7 | 529.1 | 528.7 | 524.9 | 518.7 | 512.9 | 507.7 | 502.5 | 498.3 | 496.7 |
| 7.5° | 544.8 | 542.8 | 542.2 | 540.7 | 536.0 | 526.5 | 518.1 | 509.8 | 502.5 | 496.7 | 494.1 |
| 10° | 566.3 | 566.3 | 563.2 | 561.1 | 555.8 | 543.3 | 531.3 | 520.3 | 510.3 | 504.0 | 502.5 |
| 12.5° | 593.6 | 593.6 | 590.9 | 589.4 | 583.1 | 566.9 | 552.2 | 539.1 | 529.7 | 523.4 | 522.9 |
| 15° | 621.8 | 621.3 | 619.2 | 617.1 | 610.3 | 593.0 | 578.3 | 566.9 | 559.0 | 551.6 | 549.6 |
| 17.5° | 646.9 | 646.9 | 644.3 | 642.2 | 635.4 | 620.7 | 607.6 | 599.3 | 590.4 | 575.3 | 563.7 |
| 20° | 672.1 | 672.6 | 670.5 | 668.4 | 662.6 | 650.1 | 644.3 | 635.9 | 616.1 | 583.1 | 555.8 |
| 22.5° | 699.8 | 701.9 | 699.3 | 697.2 | 692.5 | 687.3 | 685.1 | 665.2 | 623.4 | 570.5 | 530.7 |
| 25° | 735.4 | 739.1 | 735.9 | 734.9 | 732.3 | 733.9 | 727.5 | 681.5 | 612.9 | 543.3 | 493.6 |
| 27.5° | 784.1 | 784.1 | 784.6 | 784.6 | 783.5 | 789.3 | 766.2 | 682.0 | 589.9 | 508.2 | 449.1 |
| 30° | 841.1 | 844.3 | 843.2 | 843.2 | 847.4 | 851.1 | 787.7 | 670.5 | 560.6 | 464.7 | 394.6 |
| 32.5° | 909.7 | 912.3 | 913.3 | 908.7 | 925.4 | 906.5 | 795.5 | 649.6 | 524.5 | 410.9 | 329.8 |
| 35° | 992.4 | 996.0 | 998.7 | 999.2 | 1010.1 | 954.7 | 791.4 | 618.7 | 472.7 | 343.4 | 258.6 |
| 37.5° | 1100.2 | 1107.5 | 1113.3 | 1115.9 | 1116.5 | 995.5 | 779.9 | 577.9 | 405.1 | 268.0 | 192.7 |
| 40° | 1243.6 | 1251.4 | 1249.9 | 1255.2 | 1225.3 | 1019.6 | 753.7 | 518.7 | 321.4 | 196.8 | 148.7 |
| 42.5° | 1381.8 | 1382.8 | 1384.9 | 1380.2 | 1319.5 | 1032.2 | 717.0 | 446.4 | 240.7 | 147.1 | 127.2 |
| 45° | 1536.2 | 1527.3 | 1517.4 | 1510.1 | 1406.4 | 1036.8 | 666.8 | 358.5 | 170.1 | 123.5 | 117.8 |
| 47.5° | 1681.2 | 1669.1 | 1648.8 | 1627.8 | 1483.8 | 1029.6 | 602.4 | 268.5 | 129.3 | 113.0 | 111.4 |
| 50° | 1823.5 | 1801.0 | 1772.3 | 1748.2 | 1558.1 | 1018.5 | 531.3 | 193.7 | 113.0 | 107.8 | 106.2 |
| 52.5° | 1999.9 | 1962.2 | 1924.6 | 1893.1 | 1655.0 | 1001.3 | 456.4 | 147.1 | 106.2 | 103.6 | 101.6 |
| 55° | 2241.8 | 2189.4 | 2128.7 | 2084.8 | 1786.4 | 975.1 | 377.9 | 124.6 | 103.1 | 101.0 | 97.9 |
| 57.5° | 2576.8 | 2498.2 | 2429.7 | 2358.0 | 1966.0 | 948.4 | 310.4 | 115.6 | 102.6 | 99.4 | 95.3 |
| 60° | 2919.1 | 2824.9 | 2737.4 | 2634.8 | 2149.1 | 921.7 | 263.3 | 114.6 | 104.2 | 99.4 | 93.2 |
| 62.5° | 3097.0 | 2999.6 | 2894.4 | 2790.2 | 2228.1 | 858.9 | 230.8 | 116.2 | 107.8 | 101.0 | 93.2 |
| 65° | 3056.2 | 2937.4 | 2830.6 | 2724.3 | 2136.6 | 740.1 | 195.3 | 118.3 | 115.2 | 107.3 | 94.7 |
| 67° | 2851.0 | 2727.0 | 2624.4 | 2522.8 | 1932.4 | 619.7 | 167.5 | 120.4 | 123.0 | 114.6 | 97.9 |
| 67.5° | 2778.8 | 2654.7 | 2553.7 | 2454.8 | 1872.2 | 594.6 | 160.7 | 121.4 | 124.6 | 116.7 | 98.9 |
| 70° | 2304.0 | 2212.9 | 2105.7 | 2029.2 | 1515.8 | 440.2 | 131.9 | 123.5 | 134.0 | 128.7 | 103.6 |
| 72.5° | 1658.1 | 1571.3 | 1490.7 | 1448.3 | 1116.5 | 307.7 | 111.0 | 121.4 | 139.7 | 135.5 | 105.8 |
| 75° | 881.4 | 876.2 | 846.9 | 867.8 | 690.9 | 201.0 | 97.9 | 113.6 | 133.5 | 124.1 | 98.4 |
| 77.5° | 178.0 | 183.2 | 215.2 | 212.0 | 223.0 | 112.0 | 83.7 | 97.4 | 103.1 | 91.1 | 80.1 |
| 80° | 82.7 | 81.1 | 79.5 | 80.6 | 79.1 | 71.7 | 68.0 | 76.4 | 71.7 | 58.6 | 53.4 |
| 82.5° | 51.3 | 50.2 | 48.7 | 48.2 | 53.4 | 57.0 | 59.6 | 60.2 | 47.6 | 40.8 | 39.3 |
| 85° | 24.6 | 24.6 | 24.1 | 25.1 | 31.4 | 46.6 | 50.2 | 44.5 | 31.9 | 29.3 | 27.7 |
| 87.5° | 4.7 | 4.7 | 5.2 | 4.7 | 6.3 | 11.0 | 12.6 | 14.7 | 12.0 | 12.6 | 14.1 |
| 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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CATALOG NUMBER: ICM-E02-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 520.7 | 520.7 | 520.7 |
| 2.5° | 505.1 | 504.0 | 504.0 |
| 5° | 494.6 | 494.1 | 494.1 |
| 7.5° | 492.0 | 492.6 | 492.0 |
| 10° | 502.0 | 501.4 | 503.5 |
| 12.5° | 523.9 | 525.5 | 524.9 |
| 15° | 547.0 | 548.0 | 548.0 |
| 17.5° | 553.8 | 550.1 | 549.6 |
| 20° | 536.0 | 529.1 | 527.6 |
| 22.5° | 502.5 | 490.0 | 490.4 |
| 25° | 460.1 | 444.9 | 446.0 |
| 27.5° | 410.9 | 394.6 | 394.1 |
| 30° | 351.7 | 334.0 | 325.0 |
| 32.5° | 280.6 | 259.1 | 259.1 |
| 35° | 211.0 | 193.7 | 187.3 |
| 37.5° | 160.2 | 150.2 | 147.1 |
| 40° | 133.5 | 128.7 | 127.7 |
| 42.5° | 121.4 | 119.8 | 119.3 |
| 45° | 115.2 | 114.1 | 113.6 |
| 47.5° | 109.4 | 108.8 | 108.4 |
| 50° | 105.2 | 104.7 | 104.2 |
| 52.5° | 101.6 | 100.5 | 100.0 |
| 55° | 96.3 | 96.3 | 96.3 |
| 57.5° | 93.2 | 93.2 | 92.7 |
| 60° | 90.0 | 89.5 | 89.5 |
| 62.5° | 87.4 | 86.3 | 86.9 |
| 65° | 85.9 | 84.3 | 84.3 |
| 67° | 84.8 | 81.7 | 81.7 |
| 67.5° | 84.8 | 80.6 | 80.6 |
| 70° | 83.3 | 76.4 | 75.3 |
| 72.5° | 81.7 | 71.7 | 70.1 |
| 75° | 77.5 | 68.0 | 66.5 |
| 77.5° | 66.5 | 60.7 | 59.6 |
| 80° | 51.3 | 44.5 | 45.6 |
| 82.5° | 37.1 | 31.9 | 31.4 |
| 85° | 26.7 | 23.1 | 23.1 |
| 87.5° | 14.1 | 12.0 | 12.6 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)