

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: P180383

Luminaire Tested: **ICM-F03-LED-E1-SL2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180383
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-SL2-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4224.2 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 78.3
Input Voltage (V): NR
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: 25 FT

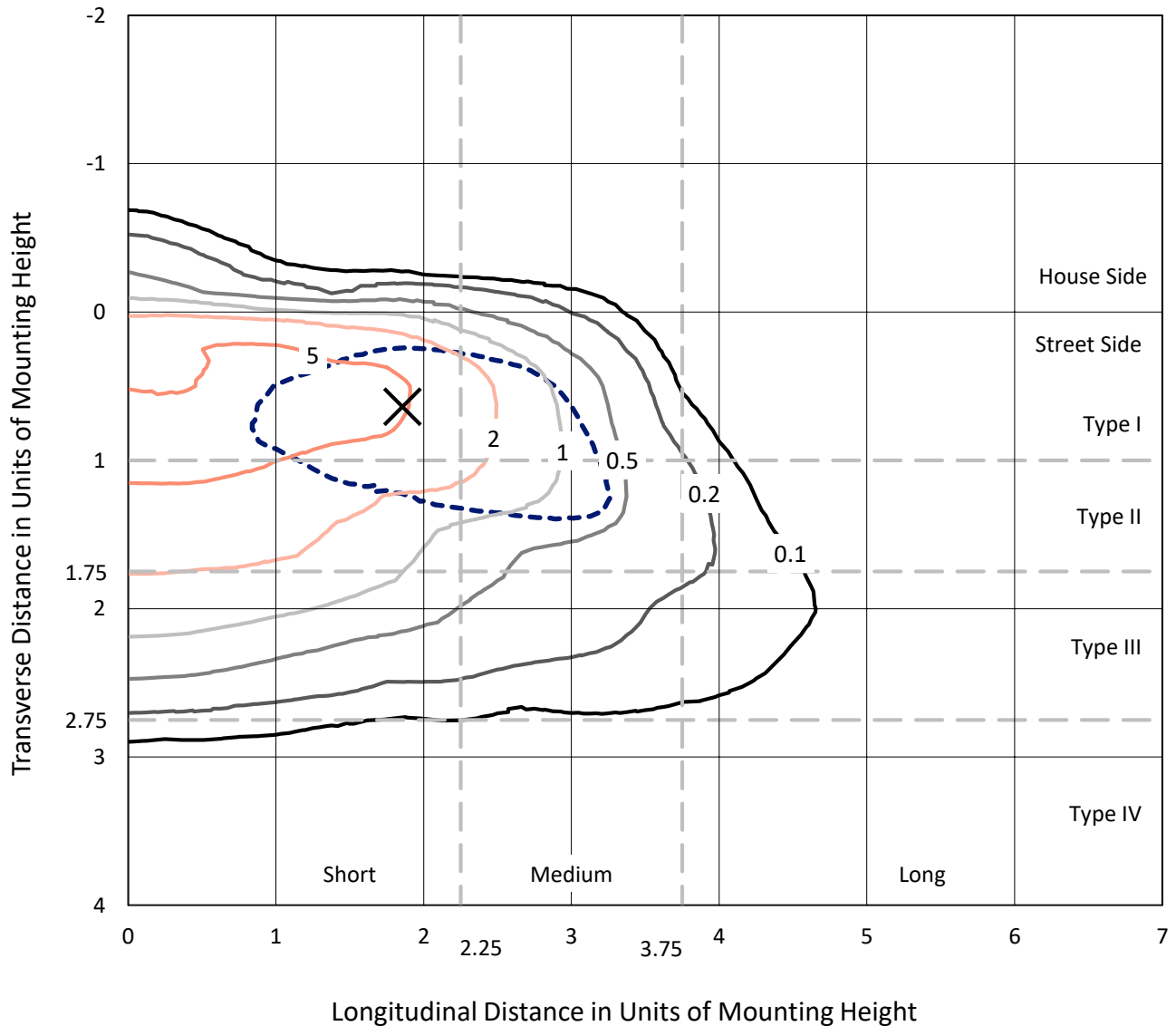


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

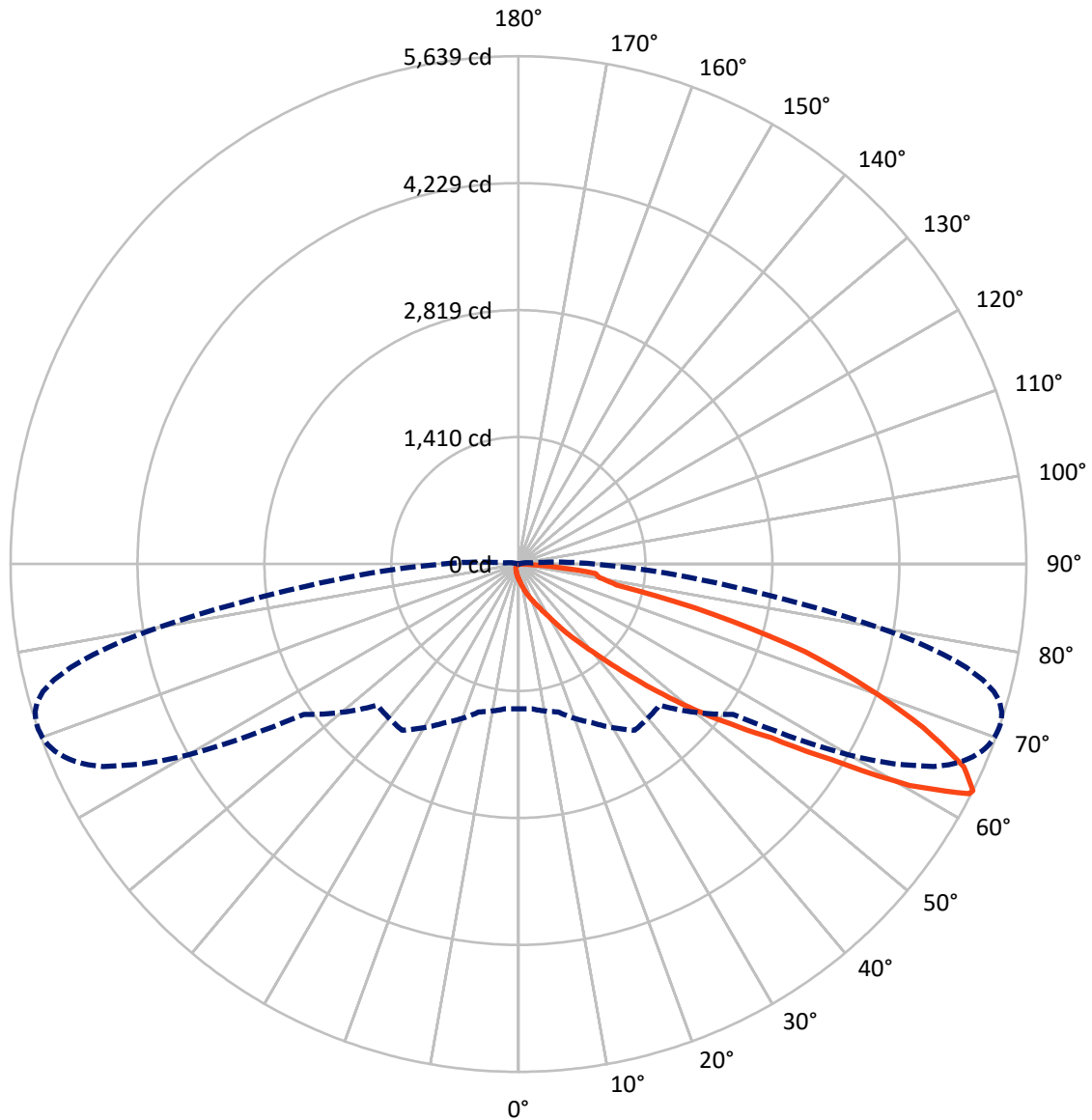


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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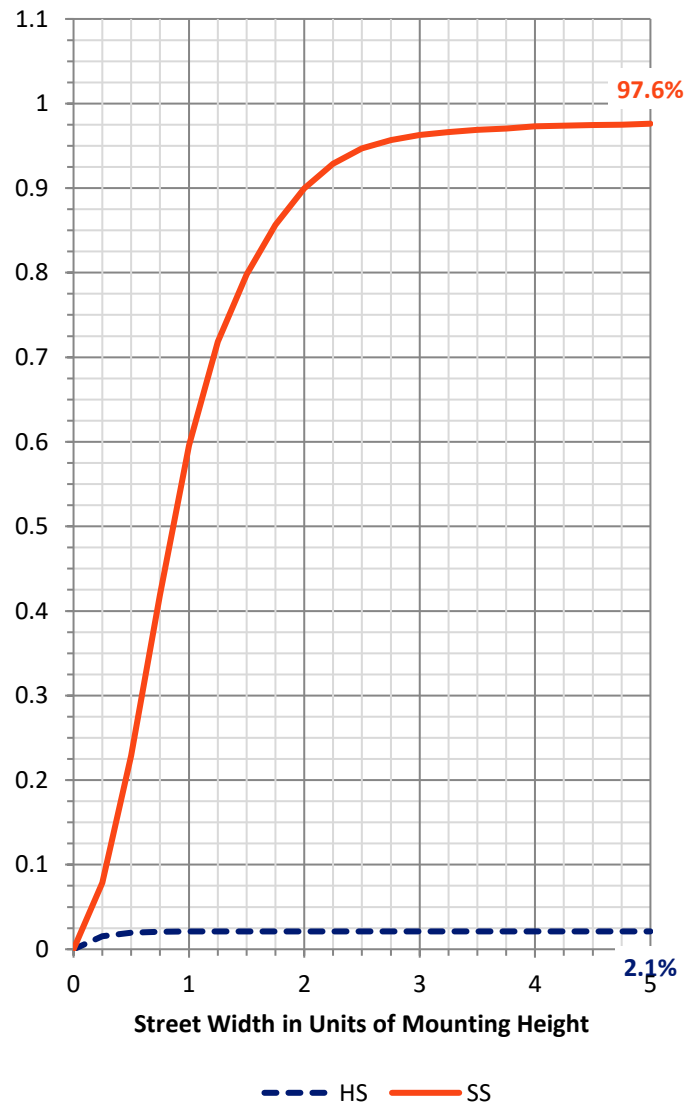
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 89.7 | 0.0 | 89.7 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 4134.5 | 0.0 | 4134.5 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 4224.2 | 0.0 | 4224.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.9 | 0.4 |
| 10°-20° | 69.5 | 1.6 |
| 20°-30° | 141.1 | 3.3 |
| 30°-40° | 344.7 | 8.2 |
| 40°-50° | 770.8 | 18.2 |
| 50°-60° | 1083.9 | 25.7 |
| 60°-70° | 1274.6 | 30.2 |
| 70°-80° | 460.2 | 10.9 |
| 80°-90° | 61.5 | 1.5 |
| 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° | 4224.2 | 100.0 |
| 0°-180° | 4224.2 | 100.0 |

Coefficient of Utilization



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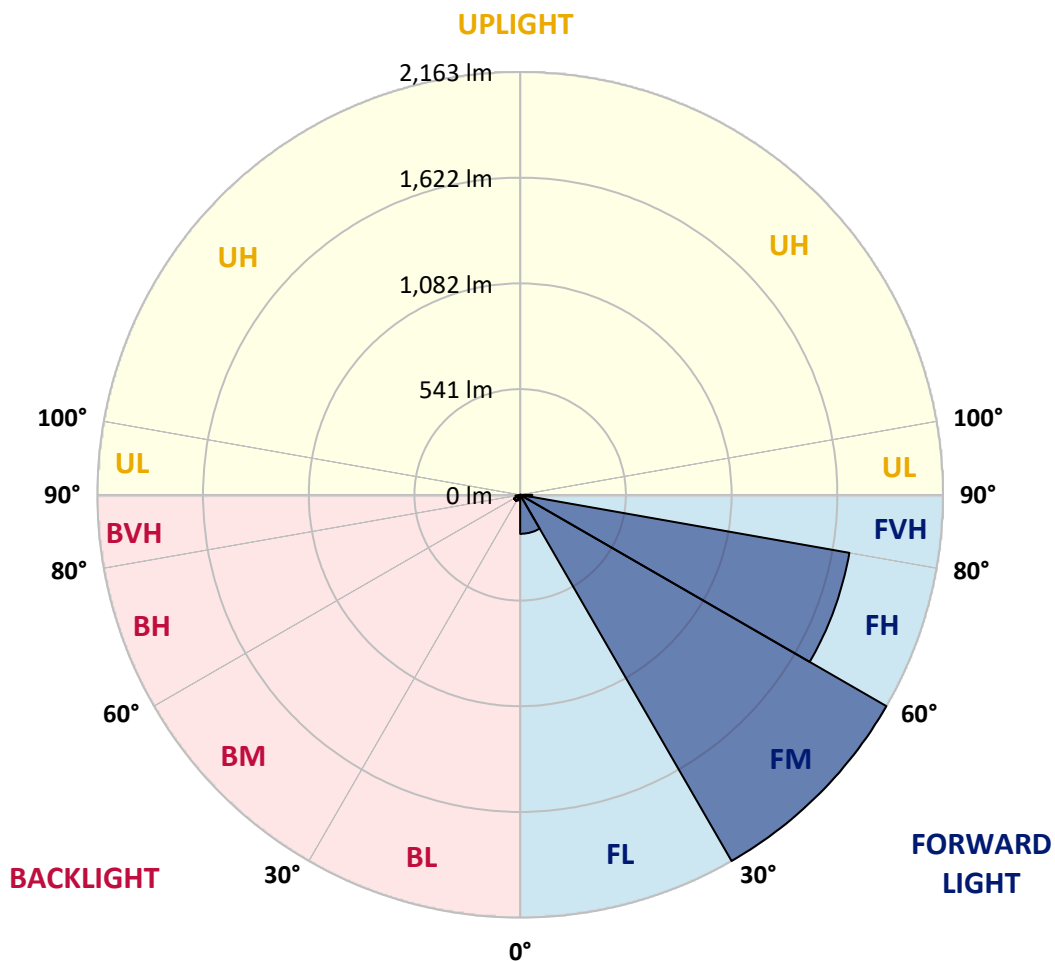
CATALOG NUMBER: ICM-F03-LED-E1-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 199.6 | 4.7 | | | |
| FM (30°-60°) | 2163.3 | 51.2 | | | |
| FH (60°-80°) | 1710.2 | 40.5 | | | G1/1800 |
| FVH (80°-90°) | 61.4 | 1.5 | | | G1/100 |
| BL (0°-30°) | 28.8 | 0.7 | B0/110 | | |
| BM (30°-60°) | 36.1 | 0.9 | B0/220 | | |
| BH (60°-80°) | 24.6 | 0.6 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.1 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 |
| 2.5° | 211.9 | 214.2 | 212.7 | 208.8 | 204.3 | 198.1 | 192.7 | 192.7 | 192.0 | 189.7 | 190.4 |
| 5° | 278.0 | 278.8 | 275.7 | 266.5 | 258.0 | 244.9 | 230.4 | 228.8 | 227.4 | 225.0 | 224.3 |
| 7.5° | 342.5 | 345.6 | 342.5 | 332.6 | 315.6 | 295.6 | 272.7 | 270.3 | 265.7 | 265.7 | 262.6 |
| 10° | 408.6 | 408.6 | 405.5 | 394.0 | 378.6 | 350.1 | 321.0 | 317.1 | 311.8 | 310.2 | 305.7 |
| 12.5° | 455.4 | 455.4 | 453.9 | 447.7 | 435.4 | 410.0 | 374.8 | 370.9 | 364.0 | 361.7 | 356.3 |
| 15° | 473.8 | 473.8 | 474.6 | 480.0 | 480.7 | 469.2 | 432.4 | 429.3 | 422.3 | 416.2 | 414.0 |
| 17.5° | 485.3 | 484.6 | 484.6 | 492.3 | 506.0 | 513.8 | 490.0 | 486.9 | 479.2 | 476.1 | 468.5 |
| 20° | 510.7 | 509.1 | 504.6 | 504.6 | 517.6 | 544.5 | 544.5 | 543.7 | 535.3 | 532.9 | 529.1 |
| 22.5° | 548.3 | 546.8 | 532.9 | 521.4 | 527.5 | 561.4 | 592.8 | 591.4 | 588.3 | 585.1 | 582.9 |
| 25° | 609.8 | 604.4 | 580.6 | 546.8 | 541.4 | 577.5 | 629.7 | 633.6 | 635.8 | 635.8 | 637.4 |
| 27.5° | 702.7 | 695.7 | 653.5 | 590.5 | 566.7 | 603.6 | 670.4 | 678.1 | 685.0 | 686.5 | 693.4 |
| 30° | 831.6 | 819.4 | 758.7 | 666.6 | 612.0 | 642.0 | 730.3 | 738.8 | 748.7 | 751.8 | 762.5 |
| 32.5° | 1043.6 | 1036.8 | 978.3 | 840.1 | 723.4 | 717.2 | 814.1 | 824.7 | 837.8 | 843.2 | 856.3 |
| 35° | 1366.1 | 1367.7 | 1320.1 | 1195.6 | 1034.4 | 950.0 | 963.7 | 972.9 | 977.6 | 993.7 | 1000.7 |
| 37.5° | 1585.0 | 1588.8 | 1599.6 | 1550.4 | 1435.3 | 1349.2 | 1240.9 | 1251.0 | 1227.2 | 1229.5 | 1230.2 |
| 40° | 1704.8 | 1717.1 | 1780.1 | 1827.6 | 1818.4 | 1768.6 | 1681.8 | 1687.2 | 1642.6 | 1632.7 | 1584.3 |
| 42.5° | 1784.7 | 1800.8 | 1901.4 | 2048.8 | 2124.1 | 2169.4 | 2149.4 | 2147.2 | 2112.6 | 2099.5 | 2058.8 |
| 45° | 1834.6 | 1849.2 | 1975.9 | 2193.2 | 2366.8 | 2498.9 | 2553.4 | 2559.6 | 2530.3 | 2517.3 | 2483.5 |
| 47.5° | 1832.3 | 1849.2 | 1985.1 | 2247.0 | 2502.7 | 2713.9 | 2867.5 | 2875.2 | 2892.9 | 2881.3 | 2883.6 |
| 50° | 1730.9 | 1747.1 | 1883.7 | 2155.5 | 2462.8 | 2812.2 | 3093.2 | 3117.8 | 3146.3 | 3165.4 | 3174.6 |
| 52.5° | 1608.0 | 1619.5 | 1740.9 | 1998.9 | 2292.3 | 2771.5 | 3226.9 | 3269.1 | 3311.4 | 3347.5 | 3372.8 |
| 55° | 1562.7 | 1575.8 | 1671.0 | 1885.3 | 2155.5 | 2601.0 | 3289.0 | 3351.3 | 3411.2 | 3470.3 | 3518.7 |
| 57.5° | 1586.5 | 1598.8 | 1667.2 | 1831.5 | 2074.2 | 2421.3 | 3306.7 | 3403.5 | 3501.8 | 3597.8 | 3693.0 |
| 60° | 1674.1 | 1687.2 | 1745.5 | 1881.4 | 2052.7 | 2317.6 | 3237.6 | 3398.1 | 3561.7 | 3729.0 | 3886.5 |
| 62.5° | 1639.5 | 1644.9 | 1730.9 | 1968.9 | 2206.2 | 2229.3 | 2986.5 | 3210.7 | 3460.3 | 3718.3 | 3972.5 |
| 63° | 1606.5 | 1612.7 | 1700.2 | 1945.2 | 2253.1 | 2216.3 | 2908.9 | 3145.5 | 3408.9 | 3686.8 | 3963.3 |
| 65° | 1456.8 | 1457.5 | 1524.4 | 1717.9 | 2200.9 | 2239.3 | 2563.4 | 2789.1 | 3091.7 | 3425.0 | 3774.4 |
| 67.5° | 1087.4 | 1082.1 | 1146.5 | 1294.0 | 1727.8 | 2240.1 | 2200.1 | 2326.8 | 2537.2 | 2832.9 | 3146.3 |
| 70° | 385.5 | 377.0 | 481.5 | 685.8 | 1076.7 | 1832.3 | 1890.6 | 1899.1 | 1957.5 | 2117.2 | 2313.8 |
| 72.5° | 125.2 | 127.4 | 153.6 | 251.1 | 496.1 | 1233.3 | 1711.7 | 1685.6 | 1670.2 | 1669.5 | 1695.6 |
| 75° | 50.0 | 50.7 | 61.4 | 111.3 | 222.7 | 594.4 | 1499.0 | 1513.6 | 1519.0 | 1526.6 | 1535.1 |
| 77.5° | 23.8 | 26.1 | 34.5 | 62.2 | 110.6 | 294.1 | 1072.8 | 1196.5 | 1267.1 | 1321.6 | 1354.6 |
| 80° | 8.5 | 10.0 | 19.2 | 38.4 | 51.4 | 135.2 | 565.2 | 682.0 | 785.6 | 919.3 | 1034.4 |
| 82.5° | 0.0 | 0.0 | 3.8 | 26.9 | 28.4 | 54.5 | 231.9 | 271.8 | 311.0 | 403.2 | 517.6 |
| 85° | 0.0 | 0.0 | 0.0 | 7.7 | 8.5 | 9.2 | 78.3 | 94.4 | 106.0 | 123.6 | 142.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 2.3 | 4.7 | 11.5 | 17.7 |
| 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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CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 |
| 2.5° | 188.9 | 188.2 | 188.2 | 186.6 | 185.9 | 184.3 | 183.5 | 181.2 | 180.5 | 180.5 | 180.5 |
| 5° | 223.4 | 220.4 | 218.9 | 215.0 | 212.7 | 211.9 | 208.1 | 206.6 | 204.3 | 205.0 | 201.2 |
| 7.5° | 261.9 | 256.5 | 254.1 | 248.8 | 247.3 | 241.9 | 240.4 | 236.6 | 234.2 | 229.6 | 228.1 |
| 10° | 304.1 | 297.2 | 293.4 | 284.9 | 282.6 | 278.8 | 274.1 | 269.6 | 265.7 | 261.1 | 258.8 |
| 12.5° | 352.5 | 346.3 | 343.3 | 331.7 | 326.3 | 321.0 | 314.9 | 308.7 | 302.6 | 298.7 | 293.4 |
| 15° | 409.3 | 399.4 | 396.3 | 385.5 | 376.3 | 369.4 | 360.9 | 353.2 | 348.7 | 340.9 | 335.6 |
| 17.5° | 465.4 | 455.4 | 453.1 | 436.9 | 427.0 | 422.3 | 413.1 | 403.2 | 394.7 | 387.1 | 378.6 |
| 20° | 521.4 | 514.5 | 508.4 | 493.0 | 482.2 | 474.6 | 462.3 | 452.3 | 445.4 | 434.6 | 423.9 |
| 22.5° | 577.5 | 570.6 | 566.0 | 549.9 | 539.8 | 529.1 | 518.3 | 507.6 | 497.6 | 484.6 | 472.3 |
| 25° | 635.1 | 630.5 | 628.2 | 613.6 | 604.4 | 594.4 | 583.6 | 571.4 | 559.1 | 544.5 | 531.4 |
| 27.5° | 695.0 | 696.6 | 691.9 | 688.8 | 678.9 | 671.9 | 655.1 | 646.6 | 637.4 | 619.7 | 603.6 |
| 30° | 771.0 | 775.6 | 774.1 | 776.4 | 770.2 | 765.6 | 752.6 | 741.9 | 731.1 | 714.1 | 695.7 |
| 32.5° | 867.0 | 873.1 | 876.2 | 884.7 | 881.6 | 880.1 | 876.2 | 860.8 | 853.2 | 824.0 | 816.3 |
| 35° | 1015.2 | 1012.1 | 1025.2 | 1032.1 | 1029.0 | 1027.5 | 1022.9 | 1014.4 | 1005.2 | 984.5 | 965.3 |
| 37.5° | 1208.0 | 1211.1 | 1215.6 | 1201.8 | 1192.6 | 1191.8 | 1178.1 | 1169.6 | 1156.5 | 1133.5 | 1110.4 |
| 40° | 1561.2 | 1542.1 | 1520.5 | 1462.1 | 1436.8 | 1422.2 | 1381.5 | 1370.0 | 1347.7 | 1316.2 | 1292.5 |
| 42.5° | 2020.5 | 2001.2 | 1936.8 | 1839.2 | 1787.0 | 1714.8 | 1681.8 | 1641.0 | 1609.6 | 1558.1 | 1530.5 |
| 45° | 2476.6 | 2421.3 | 2413.6 | 2299.9 | 2235.5 | 2140.2 | 2081.1 | 2012.8 | 1941.3 | 1873.8 | 1824.6 |
| 47.5° | 2861.3 | 2849.0 | 2811.4 | 2742.2 | 2682.4 | 2602.5 | 2526.5 | 2421.3 | 2347.5 | 2251.5 | 2163.3 |
| 50° | 3169.2 | 3168.5 | 3154.7 | 3114.7 | 3064.9 | 3000.3 | 2933.5 | 2844.4 | 2760.8 | 2643.3 | 2548.8 |
| 52.5° | 3399.6 | 3411.9 | 3416.6 | 3404.3 | 3385.0 | 3328.2 | 3294.4 | 3219.9 | 3149.3 | 3049.5 | 2947.4 |
| 55° | 3568.6 | 3613.9 | 3637.0 | 3663.1 | 3657.7 | 3637.7 | 3636.2 | 3587.8 | 3555.6 | 3476.5 | 3404.3 |
| 57.5° | 3777.5 | 3851.9 | 3923.4 | 4050.1 | 4054.7 | 4099.3 | 4122.3 | 4145.3 | 4151.5 | 4119.9 | 4096.1 |
| 60° | 4043.2 | 4195.2 | 4330.4 | 4595.3 | 4664.4 | 4773.5 | 4844.1 | 4921.0 | 4986.2 | 4991.6 | 4990.1 |
| 62.5° | 4230.5 | 4464.8 | 4682.9 | 5076.0 | 5210.5 | 5336.4 | 5430.8 | 5505.3 | 5550.6 | 5596.7 | 5618.2 |
| 63° | 4235.9 | 4492.4 | 4724.3 | 5129.8 | 5271.1 | 5390.9 | 5480.8 | 5549.9 | 5597.5 | 5625.2 | 5638.9 |
| 65° | 4106.2 | 4417.1 | 4693.6 | 5097.5 | 5230.5 | 5351.0 | 5397.8 | 5443.1 | 5466.2 | 5476.9 | 5436.2 |
| 67.5° | 3480.3 | 3784.4 | 4106.9 | 4558.4 | 4672.1 | 4816.5 | 4854.9 | 4877.9 | 4888.7 | 4886.4 | 4851.8 |
| 70° | 2602.5 | 2857.5 | 3216.1 | 3732.2 | 3882.7 | 4024.0 | 4111.6 | 4149.1 | 4161.4 | 4157.6 | 4106.2 |
| 72.5° | 1816.9 | 1966.7 | 2262.3 | 2836.8 | 3041.8 | 3223.0 | 3331.3 | 3387.4 | 3398.9 | 3375.8 | 3328.2 |
| 75° | 1525.9 | 1533.6 | 1600.4 | 1914.4 | 2106.4 | 2299.9 | 2422.1 | 2457.4 | 2434.3 | 2364.5 | 2243.2 |
| 77.5° | 1362.3 | 1379.2 | 1379.2 | 1426.1 | 1463.7 | 1517.4 | 1528.9 | 1443.0 | 1343.1 | 1214.1 | 1109.7 |
| 80° | 1142.7 | 1201.8 | 1243.3 | 1277.9 | 1281.7 | 1270.9 | 1242.5 | 1194.1 | 1117.3 | 1019.1 | 910.0 |
| 82.5° | 694.2 | 811.0 | 858.5 | 1036.8 | 1124.3 | 1183.4 | 1178.8 | 1114.2 | 1055.9 | 953.8 | 860.8 |
| 85° | 175.1 | 188.9 | 205.0 | 266.5 | 298.7 | 364.7 | 406.2 | 425.4 | 432.4 | 397.0 | 359.4 |
| 87.5° | 16.9 | 11.5 | 19.2 | 14.6 | 20.7 | 15.3 | 20.7 | 19.2 | 23.8 | 25.3 | 27.6 |
| 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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CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 |
| 2.5° | 178.9 | 178.1 | 177.4 | 176.7 | 175.8 | 175.1 | 173.6 | 173.6 | 172.0 | 171.3 | 170.5 |
| 5° | 198.9 | 197.4 | 196.6 | 195.1 | 192.7 | 191.3 | 188.9 | 185.9 | 183.5 | 182.8 | 181.2 |
| 7.5° | 224.3 | 220.4 | 218.9 | 216.6 | 213.5 | 208.8 | 205.8 | 203.5 | 199.6 | 197.4 | 192.7 |
| 10° | 252.7 | 248.8 | 244.2 | 239.6 | 235.0 | 229.6 | 225.8 | 222.7 | 216.6 | 213.5 | 208.1 |
| 12.5° | 288.7 | 281.9 | 276.5 | 270.3 | 264.2 | 258.0 | 253.4 | 244.2 | 238.8 | 231.9 | 227.4 |
| 15° | 325.6 | 319.4 | 313.3 | 305.7 | 296.5 | 286.4 | 281.9 | 273.4 | 266.5 | 255.7 | 249.6 |
| 17.5° | 370.1 | 358.6 | 349.4 | 340.2 | 331.7 | 322.5 | 313.3 | 300.3 | 290.2 | 281.0 | 268.7 |
| 20° | 414.0 | 400.1 | 390.1 | 377.9 | 365.5 | 351.0 | 340.2 | 331.0 | 317.1 | 304.8 | 291.8 |
| 22.5° | 460.7 | 447.0 | 430.8 | 418.5 | 401.6 | 390.1 | 375.5 | 360.2 | 346.3 | 330.2 | 314.0 |
| 25° | 517.6 | 503.0 | 484.6 | 468.5 | 449.2 | 433.1 | 415.4 | 397.8 | 380.9 | 362.4 | 341.8 |
| 27.5° | 587.4 | 572.1 | 552.2 | 532.9 | 507.6 | 487.6 | 470.7 | 447.0 | 425.4 | 402.4 | 378.6 |
| 30° | 675.8 | 658.9 | 634.3 | 606.7 | 581.3 | 559.1 | 535.3 | 503.7 | 480.0 | 452.3 | 421.6 |
| 32.5° | 791.0 | 771.0 | 738.0 | 711.9 | 680.4 | 651.2 | 618.1 | 586.7 | 552.9 | 516.8 | 481.5 |
| 35° | 936.1 | 917.7 | 879.3 | 840.8 | 806.3 | 771.8 | 730.3 | 694.2 | 646.6 | 602.8 | 557.5 |
| 37.5° | 1086.6 | 1053.6 | 1018.2 | 976.8 | 933.8 | 892.4 | 841.7 | 791.7 | 737.2 | 689.6 | 632.7 |
| 40° | 1258.6 | 1218.7 | 1189.5 | 1145.0 | 1084.3 | 1025.2 | 978.3 | 916.2 | 847.8 | 784.1 | 717.2 |
| 42.5° | 1494.4 | 1449.9 | 1397.7 | 1330.1 | 1286.3 | 1217.2 | 1156.5 | 1082.8 | 992.9 | 921.5 | 840.8 |
| 45° | 1767.0 | 1706.3 | 1655.6 | 1590.4 | 1537.4 | 1451.4 | 1380.8 | 1282.4 | 1192.6 | 1098.9 | 1000.7 |
| 47.5° | 2078.1 | 2002.8 | 1929.0 | 1864.6 | 1780.1 | 1695.6 | 1605.8 | 1501.3 | 1386.1 | 1283.3 | 1166.5 |
| 50° | 2435.1 | 2328.4 | 2226.2 | 2143.3 | 2027.4 | 1929.8 | 1832.3 | 1714.8 | 1587.4 | 1469.0 | 1336.2 |
| 52.5° | 2832.1 | 2708.5 | 2573.3 | 2445.9 | 2311.5 | 2186.3 | 2068.8 | 1933.7 | 1791.5 | 1647.3 | 1499.0 |
| 55° | 3311.4 | 3218.4 | 3059.5 | 2897.4 | 2717.7 | 2550.3 | 2399.0 | 2231.6 | 2058.8 | 1869.1 | 1713.2 |
| 57.5° | 4061.6 | 4016.3 | 3883.5 | 3721.4 | 3487.2 | 3283.6 | 3027.2 | 2822.2 | 2571.8 | 2310.7 | 2109.5 |
| 60° | 5078.4 | 5022.3 | 4947.8 | 4816.5 | 4630.6 | 4354.2 | 4071.6 | 3752.9 | 3372.0 | 3010.3 | 2667.0 |
| 62.5° | 5620.5 | 5600.6 | 5539.8 | 5449.2 | 5275.8 | 5057.6 | 4772.7 | 4422.5 | 3992.5 | 3553.2 | 3115.6 |
| 63° | 5636.7 | 5611.3 | 5559.1 | 5466.9 | 5314.1 | 5102.9 | 4823.4 | 4483.2 | 4062.4 | 3614.6 | 3167.7 |
| 65° | 5418.5 | 5408.6 | 5355.6 | 5255.0 | 5150.5 | 4989.2 | 4772.7 | 4480.1 | 4126.9 | 3703.7 | 3259.1 |
| 67.5° | 4805.7 | 4775.8 | 4694.4 | 4663.7 | 4590.7 | 4478.6 | 4313.5 | 4112.3 | 3859.7 | 3527.1 | 3143.2 |
| 70° | 4064.7 | 4020.1 | 3918.0 | 3863.5 | 3774.4 | 3703.7 | 3603.2 | 3459.6 | 3303.6 | 3071.7 | 2785.3 |
| 72.5° | 3279.1 | 3186.9 | 3093.2 | 2951.2 | 2826.8 | 2700.9 | 2589.5 | 2488.1 | 2316.9 | 2223.2 | 2005.9 |
| 75° | 2129.5 | 1962.1 | 1801.6 | 1586.5 | 1393.0 | 1221.8 | 1055.2 | 970.7 | 794.8 | 723.4 | 621.2 |
| 77.5° | 1010.6 | 916.9 | 791.0 | 693.4 | 569.0 | 464.6 | 379.4 | 284.9 | 223.4 | 175.1 | 133.6 |
| 80° | 815.5 | 736.5 | 660.5 | 572.1 | 478.4 | 381.7 | 292.6 | 218.9 | 155.2 | 107.5 | 76.0 |
| 82.5° | 727.3 | 641.2 | 547.5 | 486.9 | 423.2 | 346.3 | 284.1 | 231.9 | 171.3 | 125.2 | 85.2 |
| 85° | 282.6 | 238.0 | 183.5 | 149.8 | 116.7 | 96.0 | 86.8 | 59.9 | 46.9 | 36.8 | 28.4 |
| 87.5° | 24.6 | 20.0 | 16.1 | 10.8 | 11.5 | 6.1 | 6.9 | 4.7 | 3.8 | 3.8 | 3.1 |
| 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-F03-LED-E1-SL2-HSS

CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 |
| 2.5° | 169.7 | 168.9 | 168.2 | 166.6 | 166.6 | 165.1 | 164.4 | 163.5 | 159.7 | 151.3 | 144.4 |
| 5° | 178.1 | 176.7 | 175.1 | 172.7 | 171.3 | 168.9 | 167.4 | 165.1 | 156.7 | 140.6 | 126.7 |
| 7.5° | 190.4 | 187.3 | 185.1 | 180.5 | 178.1 | 175.1 | 172.7 | 168.9 | 155.2 | 130.5 | 111.3 |
| 10° | 205.0 | 199.6 | 195.8 | 190.4 | 185.9 | 182.0 | 178.1 | 172.7 | 153.6 | 119.8 | 97.5 |
| 12.5° | 222.7 | 216.6 | 208.8 | 202.7 | 196.6 | 191.3 | 185.9 | 178.9 | 151.3 | 110.6 | 86.8 |
| 15° | 240.4 | 231.2 | 225.8 | 217.3 | 208.8 | 201.2 | 193.5 | 187.3 | 152.1 | 100.6 | 77.6 |
| 17.5° | 260.4 | 251.1 | 239.6 | 230.4 | 221.2 | 211.2 | 202.0 | 189.7 | 148.2 | 92.9 | 70.6 |
| 20° | 279.5 | 266.5 | 255.7 | 244.2 | 231.2 | 218.9 | 207.4 | 196.6 | 145.1 | 85.2 | 64.5 |
| 22.5° | 300.3 | 284.9 | 271.1 | 256.5 | 240.4 | 226.5 | 212.7 | 198.9 | 139.7 | 78.3 | 59.2 |
| 25° | 325.6 | 307.9 | 288.0 | 270.3 | 253.4 | 236.6 | 218.9 | 202.0 | 134.4 | 72.2 | 55.3 |
| 27.5° | 356.3 | 333.3 | 313.3 | 291.1 | 267.3 | 245.8 | 226.5 | 208.1 | 129.0 | 67.5 | 51.4 |
| 30° | 395.4 | 368.7 | 340.2 | 311.8 | 286.4 | 261.9 | 235.0 | 211.9 | 123.6 | 63.0 | 47.6 |
| 32.5° | 447.7 | 414.0 | 379.4 | 346.3 | 312.6 | 281.0 | 252.7 | 222.7 | 120.6 | 59.2 | 43.8 |
| 35° | 516.8 | 473.0 | 430.8 | 389.3 | 348.7 | 310.2 | 273.4 | 239.6 | 120.6 | 54.5 | 39.2 |
| 37.5° | 582.1 | 531.4 | 477.7 | 426.2 | 377.9 | 333.3 | 289.5 | 248.8 | 114.4 | 50.7 | 35.3 |
| 40° | 652.7 | 592.1 | 529.1 | 468.5 | 410.0 | 354.8 | 304.8 | 258.0 | 109.0 | 46.0 | 31.4 |
| 42.5° | 761.0 | 684.2 | 602.1 | 531.4 | 461.5 | 393.2 | 331.0 | 275.7 | 102.1 | 41.5 | 27.6 |
| 45° | 903.1 | 805.6 | 708.8 | 622.8 | 533.7 | 450.0 | 376.3 | 307.9 | 100.6 | 37.7 | 23.8 |
| 47.5° | 1055.2 | 939.9 | 826.3 | 716.5 | 612.0 | 514.5 | 426.2 | 344.0 | 100.6 | 33.8 | 20.7 |
| 50° | 1206.4 | 1062.1 | 940.7 | 813.2 | 695.7 | 580.6 | 475.4 | 381.7 | 101.4 | 30.7 | 16.9 |
| 52.5° | 1343.1 | 1188.8 | 1052.8 | 905.4 | 775.6 | 642.0 | 527.5 | 418.5 | 99.8 | 26.9 | 13.9 |
| 55° | 1532.8 | 1351.5 | 1194.1 | 1031.4 | 879.3 | 728.7 | 599.0 | 473.8 | 100.6 | 23.8 | 11.5 |
| 57.5° | 1882.2 | 1669.5 | 1479.8 | 1266.3 | 1091.3 | 896.9 | 739.5 | 587.4 | 109.9 | 20.0 | 8.5 |
| 60° | 2383.6 | 2107.2 | 1840.8 | 1580.4 | 1357.7 | 1126.5 | 922.3 | 743.4 | 129.0 | 16.1 | 6.1 |
| 62.5° | 2720.8 | 2359.1 | 2041.1 | 1754.0 | 1495.2 | 1253.3 | 1030.6 | 827.1 | 142.0 | 13.0 | 3.8 |
| 63° | 2755.4 | 2381.4 | 2061.9 | 1765.5 | 1501.3 | 1259.4 | 1035.2 | 833.2 | 142.8 | 12.3 | 3.8 |
| 65° | 2820.7 | 2419.7 | 2073.4 | 1767.8 | 1495.2 | 1251.0 | 1032.1 | 832.5 | 144.4 | 10.0 | 3.1 |
| 67.5° | 2746.2 | 2360.7 | 2006.6 | 1701.8 | 1441.4 | 1201.0 | 993.7 | 801.7 | 143.6 | 6.9 | 2.3 |
| 70° | 2455.8 | 2136.4 | 1825.4 | 1541.2 | 1304.8 | 1087.4 | 904.7 | 731.1 | 132.1 | 4.7 | 1.6 |
| 72.5° | 1803.1 | 1585.8 | 1344.7 | 1139.6 | 983.0 | 816.3 | 696.6 | 549.1 | 102.1 | 3.1 | 0.7 |
| 75° | 534.5 | 486.9 | 409.3 | 360.9 | 318.7 | 263.4 | 234.2 | 182.8 | 52.2 | 1.6 | 0.0 |
| 77.5° | 106.7 | 96.7 | 86.8 | 79.1 | 74.5 | 63.7 | 60.7 | 50.0 | 21.5 | 0.7 | 0.0 |
| 80° | 56.1 | 46.0 | 39.2 | 34.5 | 30.0 | 24.6 | 20.7 | 16.9 | 3.8 | 0.0 | 0.0 |
| 82.5° | 53.8 | 36.1 | 26.1 | 21.5 | 18.4 | 14.6 | 11.5 | 8.5 | 2.3 | 0.0 | 0.0 |
| 85° | 20.0 | 15.3 | 11.5 | 9.2 | 7.7 | 6.9 | 5.4 | 4.7 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.1 | 2.3 | 2.3 | 1.6 | 1.6 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 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: ICM-F03-LED-E1-SL2-HSS

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 | 162.0 |
| 2.5° | 137.5 | 131.3 | 128.3 | 124.4 | 124.4 | 123.6 | 125.2 |
| 5° | 114.4 | 106.0 | 99.8 | 95.3 | 96.0 | 93.7 | 94.4 |
| 7.5° | 96.7 | 88.3 | 83.0 | 79.9 | 79.1 | 78.3 | 78.3 |
| 10° | 83.7 | 76.0 | 71.4 | 69.1 | 68.4 | 68.4 | 68.4 |
| 12.5° | 74.5 | 66.8 | 63.0 | 61.4 | 61.4 | 60.7 | 60.7 |
| 15° | 66.8 | 60.7 | 56.8 | 55.3 | 55.3 | 54.5 | 55.3 |
| 17.5° | 60.7 | 54.5 | 51.4 | 50.0 | 50.0 | 49.1 | 49.1 |
| 20° | 55.3 | 50.0 | 46.9 | 44.6 | 44.6 | 43.8 | 44.6 |
| 22.5° | 50.7 | 45.3 | 41.5 | 39.9 | 39.2 | 38.4 | 39.2 |
| 25° | 46.0 | 40.7 | 36.8 | 34.5 | 33.8 | 33.8 | 33.0 |
| 27.5° | 42.2 | 36.8 | 32.3 | 30.0 | 29.2 | 29.2 | 28.4 |
| 30° | 38.4 | 32.3 | 27.6 | 25.3 | 24.6 | 24.6 | 24.6 |
| 32.5° | 34.5 | 27.6 | 23.8 | 21.5 | 20.7 | 20.7 | 20.7 |
| 35° | 30.7 | 23.8 | 20.0 | 17.7 | 16.9 | 16.9 | 16.9 |
| 37.5° | 26.1 | 20.0 | 15.3 | 13.9 | 13.0 | 12.3 | 12.3 |
| 40° | 22.2 | 15.3 | 11.5 | 10.0 | 8.5 | 8.5 | 8.5 |
| 42.5° | 18.4 | 12.3 | 8.5 | 6.1 | 5.4 | 4.7 | 5.4 |
| 45° | 15.3 | 9.2 | 5.4 | 3.1 | 2.3 | 2.3 | 2.3 |
| 47.5° | 12.3 | 6.1 | 2.3 | 0.7 | 0.7 | 0.7 | 0.7 |
| 50° | 9.2 | 3.8 | 0.7 | 0.0 | 0.0 | 0.7 | 0.7 |
| 52.5° | 6.9 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 3.8 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)