

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: P181672

Luminaire Tested: **ICM-F06-LED-E1-T4-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181672
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-T4-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11752 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 156.5
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

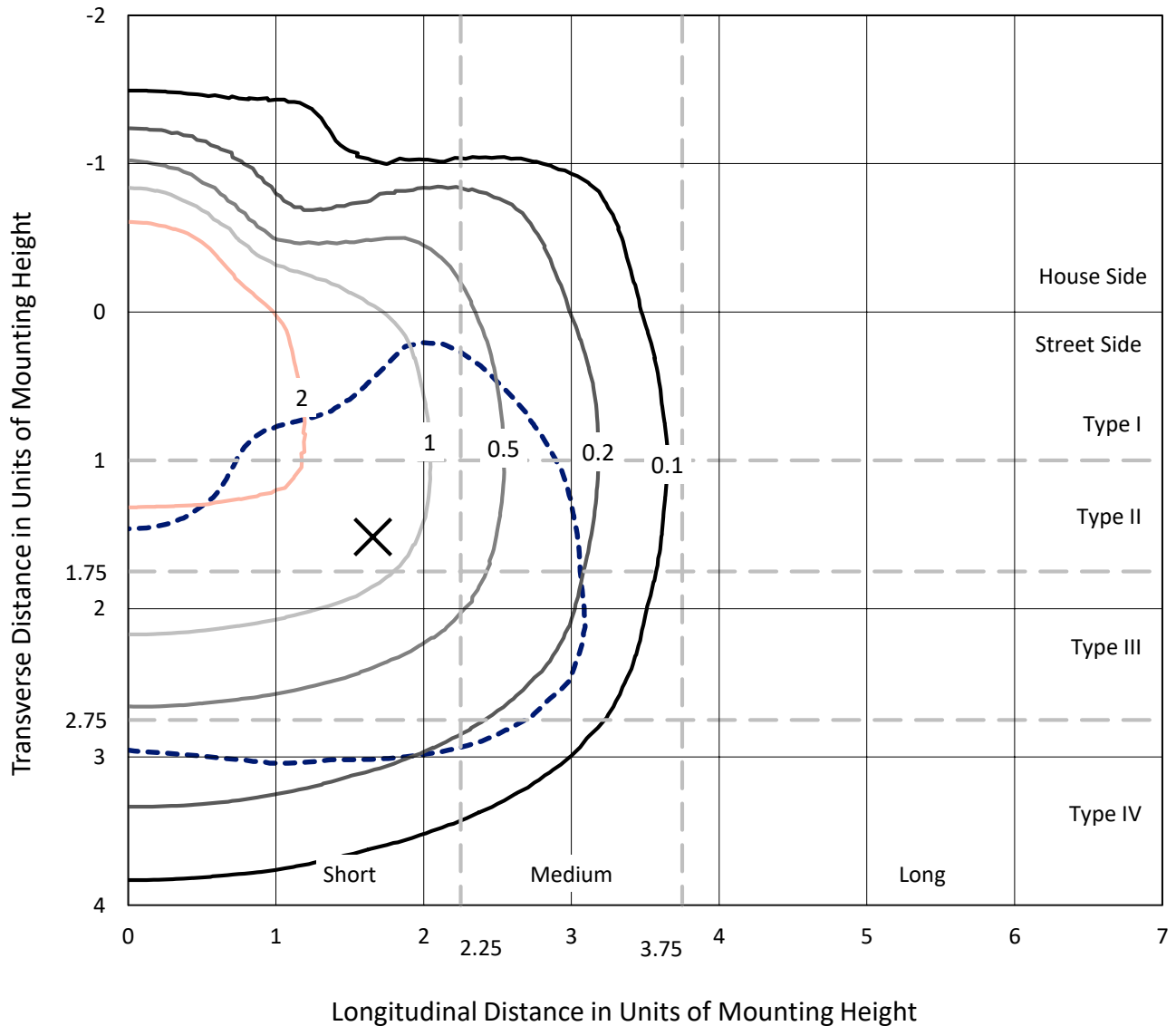


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

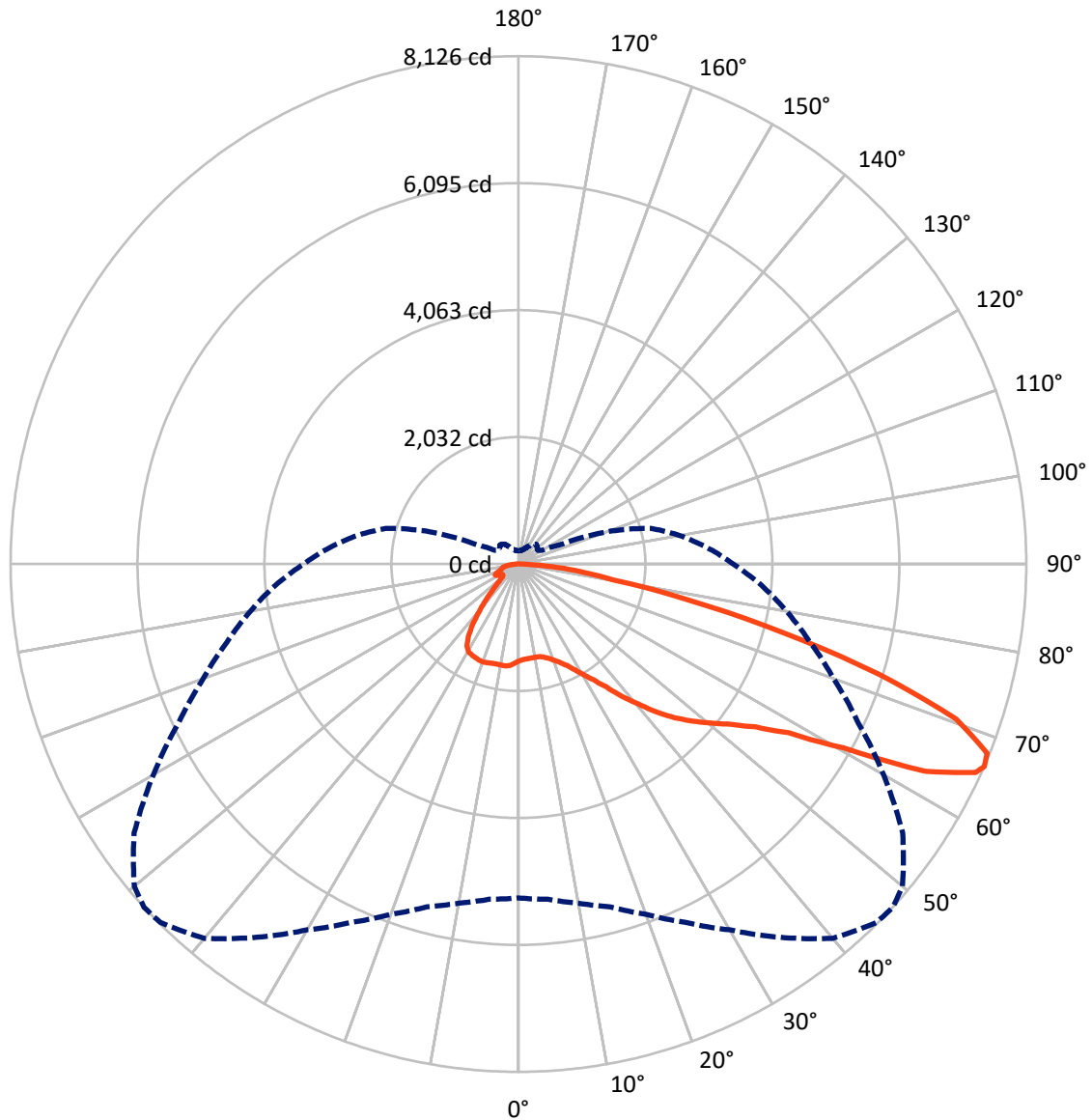


Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2507.6 | 0.0 | 2507.6 |
| | % Fixture | 21.3 | 0.0 | 21.3 |
| Street Side | Lumens | 9244.5 | 0.0 | 9244.5 |
| | % Fixture | 78.7 | 0.0 | 78.7 |
| Total | Lumens | 11752.0 | 0.0 | 11752.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 150.4 | 1.3 |
| 10°-20° | 456.7 | 3.9 |
| 20°-30° | 786.6 | 6.7 |
| 30°-40° | 1190.1 | 10.1 |
| 40°-50° | 1542.6 | 13.1 |
| 50°-60° | 2126.7 | 18.1 |
| 60°-70° | 3304.2 | 28.1 |
| 70°-80° | 1921.4 | 16.3 |
| 80°-90° | 273.2 | 2.3 |
| 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° | 11752.0 | 100.0 |
| 0°-180° | 11752.0 | 100.0 |



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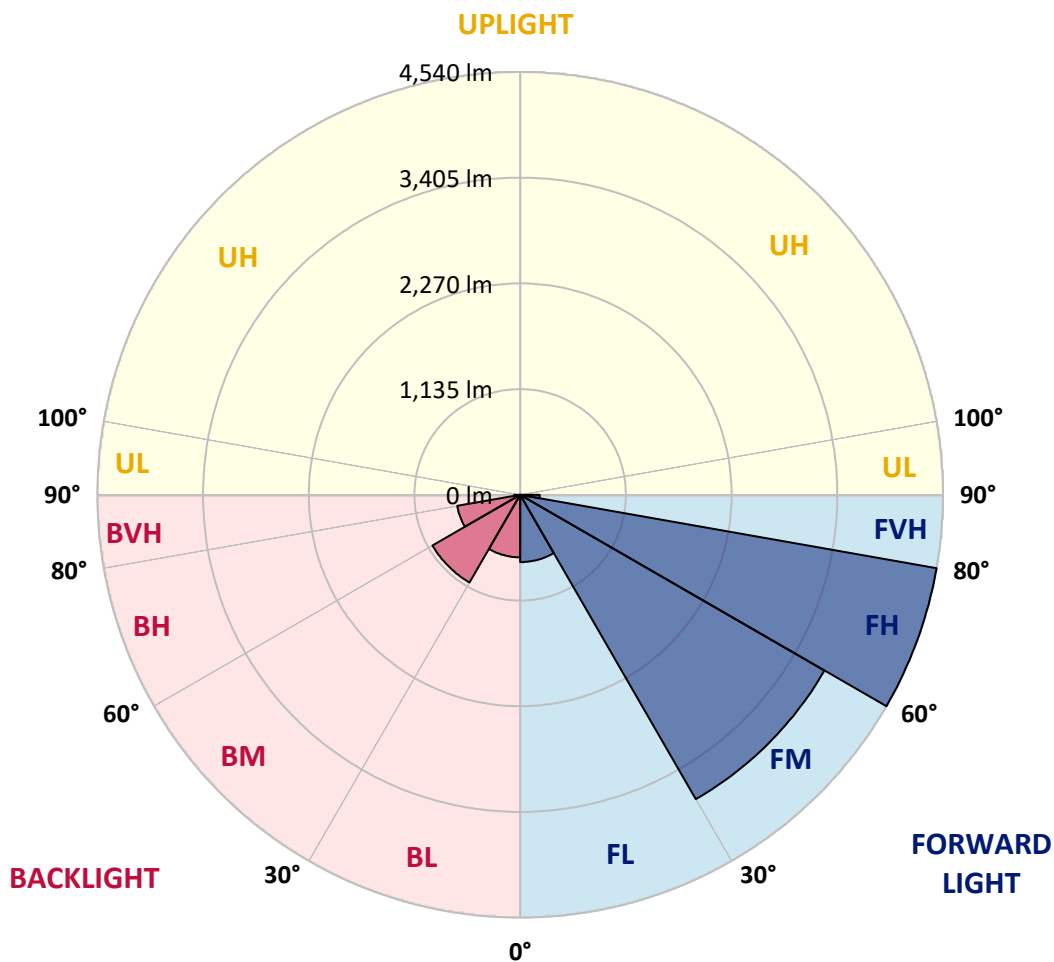
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 722.5 | 6.1 | | | |
| FM | (30°-60°) | 3772.4 | 32.1 | | | |
| FH | (60°-80°) | 4539.8 | 38.6 | | | G2/5000 |
| FVH | (80°-90°) | 209.7 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 671.2 | 5.7 | B2/1000 | | |
| BM | (30°-60°) | 1087.0 | 9.2 | B2/2500 | | |
| BH | (60°-80°) | 685.8 | 5.8 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 63.5 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Short





REPORT NUMBER: P181672

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 47.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 |
| 2.5° | 1520.5 | 1525.7 | 1521.8 | 1523.1 | 1523.1 | 1524.4 | 1524.4 | 1525.7 | 1524.4 | 1528.3 | 1530.9 |
| 5° | 1493.3 | 1495.9 | 1494.6 | 1497.2 | 1499.7 | 1504.9 | 1503.6 | 1510.1 | 1511.5 | 1515.4 | 1521.8 |
| 7.5° | 1482.9 | 1480.3 | 1481.6 | 1485.5 | 1488.1 | 1490.7 | 1493.3 | 1498.5 | 1502.3 | 1511.5 | 1516.7 |
| 10° | 1493.3 | 1492.0 | 1493.3 | 1495.9 | 1495.9 | 1497.2 | 1494.6 | 1499.7 | 1502.3 | 1510.1 | 1515.4 |
| 12.5° | 1536.1 | 1536.1 | 1533.5 | 1533.5 | 1530.9 | 1528.3 | 1521.8 | 1518.0 | 1516.7 | 1518.0 | 1520.5 |
| 15° | 1604.8 | 1602.1 | 1597.0 | 1593.1 | 1587.9 | 1578.8 | 1569.8 | 1562.0 | 1556.8 | 1549.0 | 1546.4 |
| 17.5° | 1672.2 | 1668.3 | 1663.1 | 1657.9 | 1651.5 | 1642.3 | 1628.1 | 1619.0 | 1604.8 | 1595.7 | 1590.5 |
| 20° | 1750.0 | 1742.2 | 1735.7 | 1729.2 | 1716.3 | 1713.7 | 1699.4 | 1683.8 | 1667.0 | 1646.2 | 1643.6 |
| 22.5° | 1851.1 | 1838.1 | 1830.3 | 1826.4 | 1813.5 | 1809.6 | 1786.2 | 1764.2 | 1743.5 | 1716.3 | 1709.8 |
| 25° | 1953.5 | 1940.5 | 1936.6 | 1931.5 | 1922.3 | 1917.1 | 1895.2 | 1870.5 | 1843.3 | 1805.7 | 1797.9 |
| 27.5° | 2053.3 | 2054.6 | 2044.2 | 2048.1 | 2045.5 | 2036.4 | 2014.4 | 1989.8 | 1969.0 | 1924.9 | 1915.9 |
| 30° | 2177.7 | 2170.0 | 2164.8 | 2172.6 | 2163.5 | 2164.8 | 2145.3 | 2132.4 | 2098.6 | 2072.8 | 2054.6 |
| 32.5° | 2307.4 | 2306.1 | 2313.8 | 2319.0 | 2317.7 | 2315.1 | 2299.5 | 2286.6 | 2256.8 | 2219.2 | 2211.5 |
| 35° | 2484.9 | 2492.7 | 2499.2 | 2522.5 | 2522.5 | 2539.4 | 2523.8 | 2508.3 | 2473.2 | 2427.9 | 2412.3 |
| 37.5° | 2605.5 | 2608.1 | 2634.0 | 2665.1 | 2704.0 | 2740.3 | 2750.6 | 2754.5 | 2740.3 | 2706.6 | 2683.3 |
| 40° | 2715.6 | 2720.9 | 2762.3 | 2810.2 | 2867.4 | 2938.6 | 2981.4 | 3000.9 | 3004.8 | 2989.1 | 2938.6 |
| 42.5° | 2825.9 | 2833.6 | 2876.4 | 2946.4 | 3025.5 | 3116.2 | 3191.4 | 3239.4 | 3266.5 | 3266.5 | 3236.8 |
| 45° | 2954.2 | 2964.6 | 3011.2 | 3087.6 | 3179.7 | 3293.8 | 3397.5 | 3489.5 | 3533.6 | 3536.2 | 3507.6 |
| 47.5° | 3105.9 | 3114.9 | 3169.3 | 3247.1 | 3341.8 | 3457.1 | 3588.0 | 3693.0 | 3774.7 | 3779.9 | 3756.6 |
| 50° | 3301.6 | 3314.5 | 3359.9 | 3429.9 | 3527.1 | 3643.7 | 3774.7 | 3921.2 | 4006.7 | 4027.5 | 4002.8 |
| 52.5° | 3560.9 | 3563.5 | 3601.0 | 3665.8 | 3760.5 | 3871.9 | 4010.6 | 4170.1 | 4282.8 | 4299.7 | 4259.5 |
| 55° | 3918.6 | 3914.7 | 3939.4 | 4009.3 | 4080.6 | 4167.5 | 4311.4 | 4490.3 | 4616.0 | 4641.9 | 4600.4 |
| 57.5° | 4404.7 | 4400.8 | 4421.5 | 4438.4 | 4571.9 | 4656.1 | 4797.4 | 4968.6 | 5090.4 | 5165.6 | 5094.3 |
| 60° | 5157.8 | 5153.9 | 5187.7 | 5286.2 | 5386.0 | 5509.1 | 5646.5 | 5851.3 | 6022.5 | 6044.5 | 5974.5 |
| 62.5° | 5703.6 | 5723.0 | 5796.9 | 5912.2 | 6114.5 | 6355.6 | 6607.0 | 6876.7 | 7228.0 | 7339.4 | 7305.7 |
| 65° | 5513.0 | 5551.8 | 5654.3 | 5829.2 | 6098.9 | 6432.0 | 6826.1 | 7314.8 | 7785.3 | 8048.5 | 8040.7 |
| 66° | 5341.9 | 5384.7 | 5510.4 | 5678.9 | 5964.1 | 6328.3 | 6758.7 | 7291.5 | 7817.7 | 8108.1 | 8126.3 |
| 67.5° | 5030.8 | 5078.7 | 5201.9 | 5401.5 | 5678.9 | 6066.5 | 6529.2 | 7108.7 | 7703.7 | 8042.0 | 8090.0 |
| 70° | 4425.4 | 4479.8 | 4569.3 | 4734.0 | 5007.5 | 5353.5 | 5841.0 | 6359.5 | 6982.9 | 7370.6 | 7428.9 |
| 72.5° | 3699.6 | 3747.5 | 3847.3 | 3982.1 | 4206.4 | 4424.1 | 4806.5 | 5189.0 | 5634.8 | 6076.9 | 6034.1 |
| 75° | 2656.0 | 2676.8 | 2736.4 | 2882.9 | 3003.5 | 3199.2 | 3506.3 | 3820.1 | 4124.7 | 4326.9 | 4355.5 |
| 77.5° | 1380.5 | 1435.0 | 1519.2 | 1681.2 | 1812.2 | 1988.5 | 2188.1 | 2424.0 | 2647.0 | 2832.3 | 2781.8 |
| 80° | 903.4 | 926.8 | 1002.1 | 1084.9 | 1180.9 | 1293.7 | 1427.2 | 1515.4 | 1543.8 | 1532.2 | 1543.8 |
| 82.5° | 521.1 | 563.9 | 663.7 | 727.2 | 798.5 | 837.4 | 943.6 | 1044.8 | 1101.9 | 1030.5 | 1004.6 |
| 85° | 66.1 | 85.6 | 269.6 | 339.6 | 388.8 | 447.2 | 479.6 | 540.6 | 504.3 | 451.1 | 549.6 |
| 87.5° | 14.2 | 12.9 | 18.1 | 38.9 | 40.2 | 33.7 | 63.5 | 67.4 | 41.5 | 20.7 | 26.0 |
| 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-F06-LED-E1-T4-8030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 |
| 2.5° | 1533.5 | 1534.8 | 1537.4 | 1541.2 | 1543.8 | 1546.4 | 1549.0 | 1552.9 | 1555.5 | 1558.1 | 1563.3 |
| 5° | 1527.0 | 1532.2 | 1537.4 | 1542.5 | 1549.0 | 1559.4 | 1565.9 | 1571.1 | 1576.3 | 1586.6 | 1590.5 |
| 7.5° | 1523.1 | 1532.2 | 1539.9 | 1549.0 | 1559.4 | 1568.5 | 1580.1 | 1586.6 | 1594.4 | 1600.8 | 1608.7 |
| 10° | 1520.5 | 1533.5 | 1541.2 | 1554.2 | 1565.9 | 1575.0 | 1587.9 | 1595.7 | 1604.8 | 1612.6 | 1616.5 |
| 12.5° | 1525.7 | 1532.2 | 1539.9 | 1552.9 | 1567.2 | 1580.1 | 1594.4 | 1600.8 | 1608.7 | 1615.2 | 1616.5 |
| 15° | 1547.7 | 1547.7 | 1549.0 | 1559.4 | 1573.7 | 1584.0 | 1595.7 | 1602.1 | 1606.1 | 1610.0 | 1610.0 |
| 17.5° | 1587.9 | 1578.8 | 1572.4 | 1573.7 | 1582.7 | 1589.2 | 1595.7 | 1595.7 | 1593.1 | 1591.8 | 1589.2 |
| 20° | 1634.6 | 1622.9 | 1610.0 | 1600.8 | 1598.2 | 1593.1 | 1589.2 | 1576.3 | 1565.9 | 1556.8 | 1550.3 |
| 22.5° | 1702.0 | 1683.8 | 1665.7 | 1648.8 | 1633.3 | 1613.9 | 1591.8 | 1565.9 | 1541.2 | 1524.4 | 1514.1 |
| 25° | 1784.9 | 1770.7 | 1748.7 | 1722.7 | 1703.3 | 1667.0 | 1638.4 | 1600.8 | 1569.8 | 1547.7 | 1529.6 |
| 27.5° | 1902.9 | 1886.1 | 1865.3 | 1842.0 | 1813.5 | 1773.3 | 1738.2 | 1694.2 | 1656.7 | 1624.2 | 1600.8 |
| 30° | 2049.4 | 2027.4 | 2011.8 | 1983.3 | 1963.8 | 1918.4 | 1883.5 | 1829.0 | 1756.5 | 1704.6 | 1672.2 |
| 32.5° | 2199.7 | 2175.1 | 2162.2 | 2140.1 | 2118.1 | 2090.9 | 2037.7 | 1953.5 | 1860.1 | 1775.9 | 1720.1 |
| 35° | 2400.7 | 2374.7 | 2351.5 | 2332.0 | 2299.5 | 2249.0 | 2202.3 | 2101.2 | 1972.9 | 1855.0 | 1761.6 |
| 37.5° | 2653.4 | 2610.7 | 2552.3 | 2503.1 | 2446.1 | 2373.4 | 2302.2 | 2198.4 | 2052.0 | 1899.0 | 1774.6 |
| 40° | 2923.1 | 2847.9 | 2764.9 | 2672.9 | 2574.3 | 2469.4 | 2387.7 | 2282.7 | 2118.1 | 1936.6 | 1765.5 |
| 42.5° | 3204.4 | 3085.1 | 2969.7 | 2840.1 | 2702.7 | 2578.2 | 2471.9 | 2356.6 | 2167.4 | 1947.0 | 1729.2 |
| 45° | 3483.1 | 3349.5 | 3174.5 | 3004.8 | 2831.0 | 2676.8 | 2557.5 | 2427.9 | 2212.8 | 1950.9 | 1681.2 |
| 47.5° | 3713.8 | 3576.4 | 3376.8 | 3164.2 | 2958.1 | 2783.1 | 2643.1 | 2503.1 | 2273.6 | 1978.1 | 1669.6 |
| 50° | 3957.5 | 3790.3 | 3568.6 | 3317.1 | 3083.8 | 2888.1 | 2739.0 | 2593.8 | 2359.2 | 2048.1 | 1707.2 |
| 52.5° | 4223.2 | 4031.4 | 3772.1 | 3490.8 | 3235.5 | 3016.4 | 2854.3 | 2705.3 | 2468.1 | 2146.6 | 1778.4 |
| 55° | 4547.3 | 4312.7 | 4031.4 | 3713.8 | 3440.3 | 3197.9 | 3019.0 | 2842.7 | 2597.7 | 2263.3 | 1867.9 |
| 57.5° | 5042.4 | 4754.7 | 4438.4 | 4076.8 | 3773.4 | 3486.9 | 3273.0 | 3069.5 | 2798.6 | 2436.9 | 1989.8 |
| 60° | 5938.2 | 5630.9 | 5220.0 | 4781.9 | 4425.4 | 4091.0 | 3777.3 | 3524.5 | 3191.4 | 2779.2 | 2259.4 |
| 62.5° | 7221.4 | 6813.2 | 6264.8 | 5651.7 | 5185.1 | 4702.8 | 4349.0 | 3973.0 | 3559.6 | 3114.9 | 2576.9 |
| 65° | 7934.4 | 7439.2 | 6705.5 | 5993.9 | 5393.7 | 4870.1 | 4420.2 | 3984.7 | 3525.8 | 3100.7 | 2650.8 |
| 66° | 8022.6 | 7506.7 | 6744.4 | 5995.2 | 5365.2 | 4827.3 | 4354.2 | 3903.0 | 3433.8 | 3028.0 | 2619.7 |
| 67.5° | 7986.3 | 7458.7 | 6673.2 | 5882.5 | 5242.1 | 4663.9 | 4175.3 | 3707.3 | 3239.4 | 2860.9 | 2516.0 |
| 70° | 7391.3 | 6890.9 | 6119.7 | 5353.5 | 4745.6 | 4175.3 | 3708.6 | 3248.4 | 2819.4 | 2495.3 | 2241.2 |
| 72.5° | 6137.8 | 5710.0 | 5039.8 | 4438.4 | 3961.3 | 3490.8 | 3095.5 | 2656.0 | 2293.1 | 2053.3 | 1902.9 |
| 75° | 4430.6 | 4171.4 | 3560.9 | 3216.0 | 2797.3 | 2484.9 | 2101.2 | 1840.7 | 1580.1 | 1463.5 | 1437.6 |
| 77.5° | 2798.6 | 2450.0 | 2062.3 | 1698.1 | 1396.1 | 1157.6 | 900.9 | 764.7 | 637.8 | 624.8 | 754.4 |
| 80° | 1416.8 | 1275.5 | 982.6 | 783.0 | 658.5 | 532.7 | 421.3 | 318.9 | 223.0 | 268.3 | 321.5 |
| 82.5° | 928.1 | 773.9 | 606.6 | 499.1 | 434.2 | 360.4 | 280.0 | 194.4 | 142.6 | 160.7 | 220.4 |
| 85° | 501.7 | 427.7 | 344.8 | 272.2 | 220.4 | 197.0 | 132.2 | 93.3 | 92.0 | 98.5 | 125.8 |
| 87.5° | 36.3 | 36.3 | 28.6 | 26.0 | 31.1 | 26.0 | 23.3 | 23.3 | 22.0 | 23.3 | 31.1 |
| 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-F06-LED-E1-T4-8030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 | 1549.0 |
| 2.5° | 1565.9 | 1569.8 | 1571.1 | 1577.6 | 1581.4 | 1584.0 | 1586.6 | 1586.6 | 1587.9 | 1591.8 | 1593.1 |
| 5° | 1595.7 | 1602.1 | 1610.0 | 1615.2 | 1617.8 | 1625.5 | 1628.1 | 1628.1 | 1630.7 | 1635.9 | 1639.7 |
| 7.5° | 1613.9 | 1622.9 | 1630.7 | 1633.3 | 1638.4 | 1641.0 | 1644.9 | 1647.5 | 1647.5 | 1652.8 | 1655.4 |
| 10° | 1620.3 | 1625.5 | 1633.3 | 1633.3 | 1638.4 | 1638.4 | 1642.3 | 1643.6 | 1643.6 | 1648.8 | 1652.8 |
| 12.5° | 1620.3 | 1622.9 | 1629.4 | 1629.4 | 1633.3 | 1634.6 | 1639.7 | 1643.6 | 1644.9 | 1651.5 | 1656.7 |
| 15° | 1612.6 | 1615.2 | 1620.3 | 1621.6 | 1630.7 | 1635.9 | 1647.5 | 1655.4 | 1655.4 | 1661.8 | 1664.4 |
| 17.5° | 1590.5 | 1597.0 | 1607.4 | 1617.8 | 1634.6 | 1646.2 | 1660.5 | 1667.0 | 1661.8 | 1657.9 | 1654.1 |
| 20° | 1554.2 | 1565.9 | 1590.5 | 1616.5 | 1646.2 | 1661.8 | 1669.6 | 1663.1 | 1644.9 | 1626.8 | 1615.2 |
| 22.5° | 1518.0 | 1541.2 | 1582.7 | 1621.6 | 1655.4 | 1665.7 | 1661.8 | 1638.4 | 1608.7 | 1586.6 | 1571.1 |
| 25° | 1534.8 | 1562.0 | 1602.1 | 1637.2 | 1659.2 | 1656.7 | 1641.0 | 1608.7 | 1576.3 | 1547.7 | 1521.8 |
| 27.5° | 1604.8 | 1634.6 | 1656.7 | 1668.3 | 1665.7 | 1647.5 | 1622.9 | 1586.6 | 1547.7 | 1510.1 | 1473.9 |
| 30° | 1670.9 | 1686.4 | 1691.6 | 1682.5 | 1661.8 | 1632.0 | 1600.8 | 1559.4 | 1507.5 | 1460.8 | 1419.5 |
| 32.5° | 1700.7 | 1685.1 | 1660.5 | 1635.9 | 1602.1 | 1576.3 | 1533.5 | 1488.1 | 1423.3 | 1367.5 | 1326.1 |
| 35° | 1700.7 | 1638.4 | 1576.3 | 1524.4 | 1473.9 | 1441.4 | 1392.2 | 1331.3 | 1271.6 | 1224.9 | 1192.6 |
| 37.5° | 1663.1 | 1543.8 | 1441.4 | 1357.2 | 1293.7 | 1258.7 | 1184.8 | 1130.3 | 1079.8 | 1064.2 | 1043.4 |
| 40° | 1594.4 | 1418.1 | 1270.3 | 1160.2 | 1079.8 | 1027.9 | 954.1 | 916.5 | 897.0 | 889.2 | 885.3 |
| 42.5° | 1502.3 | 1278.1 | 1081.1 | 944.9 | 858.1 | 799.8 | 750.5 | 727.2 | 725.9 | 724.7 | 724.7 |
| 45° | 1403.8 | 1127.7 | 897.0 | 735.0 | 658.5 | 606.6 | 583.4 | 574.2 | 582.1 | 580.7 | 582.1 |
| 47.5° | 1342.9 | 1013.7 | 728.5 | 556.1 | 497.8 | 464.1 | 452.4 | 456.3 | 462.8 | 460.2 | 460.2 |
| 50° | 1335.2 | 955.4 | 615.7 | 432.9 | 388.8 | 372.0 | 369.4 | 369.4 | 373.3 | 370.7 | 369.4 |
| 52.5° | 1363.6 | 946.2 | 557.4 | 372.0 | 337.0 | 322.8 | 320.2 | 318.9 | 317.6 | 309.8 | 303.4 |
| 55° | 1412.9 | 967.0 | 540.6 | 356.5 | 320.2 | 304.7 | 300.7 | 298.1 | 292.9 | 282.6 | 270.9 |
| 57.5° | 1511.5 | 1031.8 | 556.1 | 364.3 | 325.4 | 312.4 | 308.5 | 308.5 | 298.1 | 281.3 | 264.5 |
| 60° | 1748.7 | 1196.5 | 619.6 | 394.0 | 350.0 | 337.0 | 339.6 | 338.3 | 322.8 | 298.1 | 272.2 |
| 62.5° | 2054.6 | 1411.6 | 702.6 | 435.5 | 381.1 | 378.5 | 391.4 | 388.8 | 363.0 | 325.4 | 287.8 |
| 65° | 2195.8 | 1512.8 | 725.9 | 444.7 | 387.5 | 399.3 | 425.2 | 422.6 | 390.1 | 338.3 | 290.3 |
| 66° | 2198.4 | 1512.8 | 715.5 | 436.8 | 378.5 | 392.7 | 418.7 | 417.4 | 385.0 | 333.1 | 285.2 |
| 67.5° | 2145.3 | 1471.3 | 685.7 | 421.3 | 360.4 | 370.7 | 394.0 | 392.7 | 363.0 | 320.2 | 274.8 |
| 70° | 1945.7 | 1317.0 | 609.2 | 394.0 | 335.7 | 330.5 | 338.3 | 333.1 | 313.7 | 283.9 | 252.7 |
| 72.5° | 1667.0 | 1105.7 | 531.4 | 373.3 | 318.9 | 298.1 | 292.9 | 289.0 | 273.5 | 256.7 | 237.2 |
| 75° | 1313.1 | 875.0 | 466.6 | 357.8 | 303.4 | 276.1 | 267.1 | 261.9 | 251.4 | 239.8 | 224.3 |
| 77.5° | 810.1 | 626.1 | 407.0 | 337.0 | 291.6 | 264.5 | 258.0 | 250.1 | 234.6 | 220.4 | 208.7 |
| 80° | 361.7 | 387.5 | 334.4 | 294.2 | 260.6 | 235.9 | 225.6 | 213.9 | 198.3 | 189.2 | 182.8 |
| 82.5° | 241.1 | 250.1 | 242.4 | 220.4 | 197.0 | 177.6 | 162.0 | 162.0 | 159.4 | 151.6 | 149.0 |
| 85° | 154.2 | 155.5 | 150.3 | 136.1 | 127.1 | 115.3 | 108.9 | 110.1 | 115.3 | 114.0 | 112.7 |
| 87.5° | 35.0 | 35.0 | 41.5 | 38.9 | 45.4 | 48.0 | 51.8 | 55.7 | 63.5 | 63.5 | 67.4 |
| 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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| 55° | 258.0 | 247.6 | 242.4 | 239.8 | 237.2 |
| 57.5° | 248.8 | 238.5 | 230.7 | 225.6 | 224.3 |
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| 66° | 252.7 | 232.0 | 219.1 | 212.6 | 211.3 |
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