

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: P181467

Luminaire Tested: **ICM-E06-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181467
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E06-LED-E1-T3-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14527.4 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 150.5
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

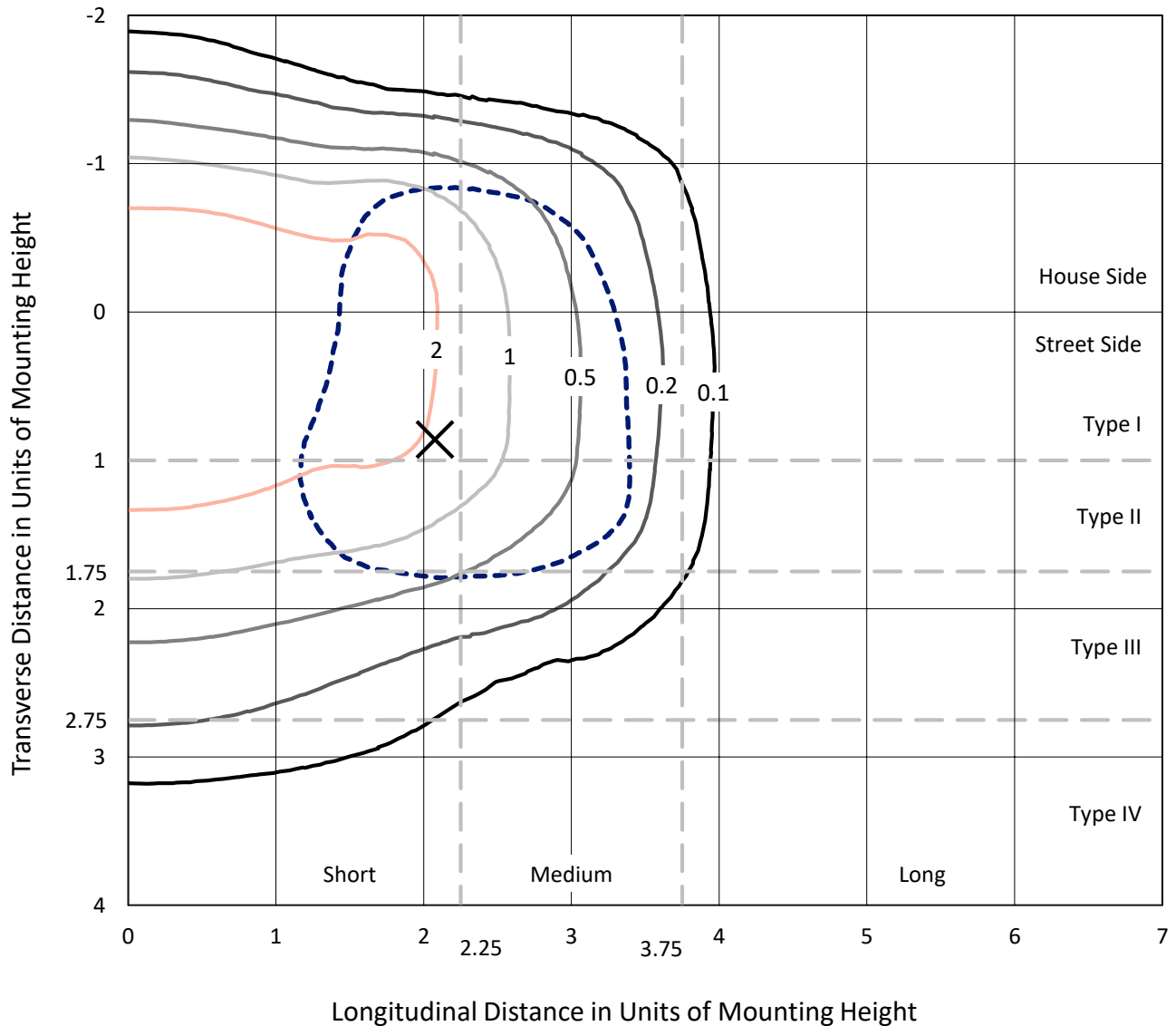


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

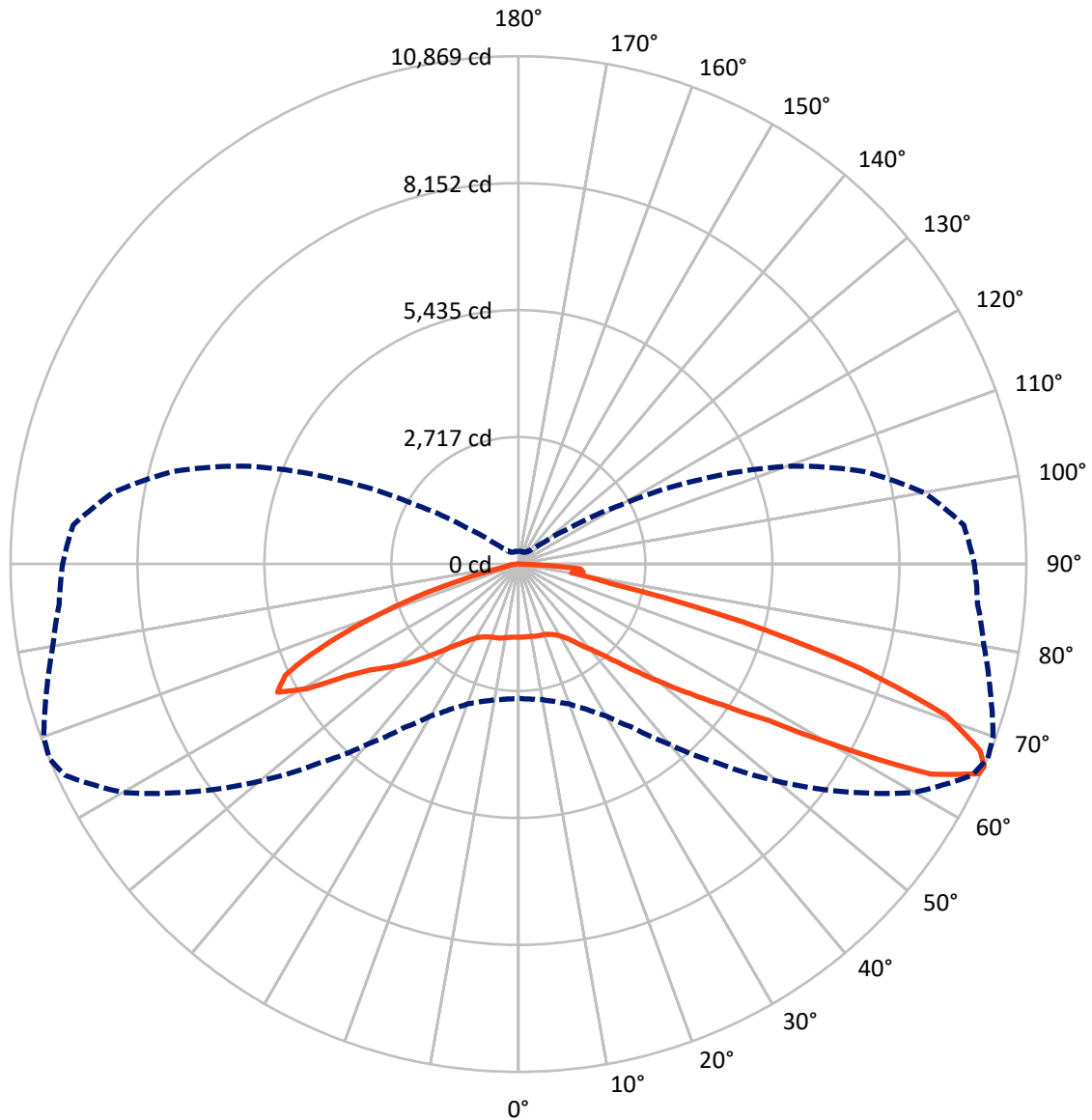


Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5016.8	0.0	5016.8
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	9510.6	0.0	9510.6
	% Fixture	65.5	0.0	65.5
Total	Lumens	14527.4	0.0	14527.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	1.0
10°-20°	442.5	3.0
20°-30°	760.6	5.2
30°-40°	1234.9	8.5
40°-50°	2061.7	14.2
50°-60°	3246.4	22.3
60°-70°	4426.8	30.5
70°-80°	1916.3	13.2
80°-90°	288.2	2.0
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°	14527.4	100.0
0°-180°	14527.4	100.0



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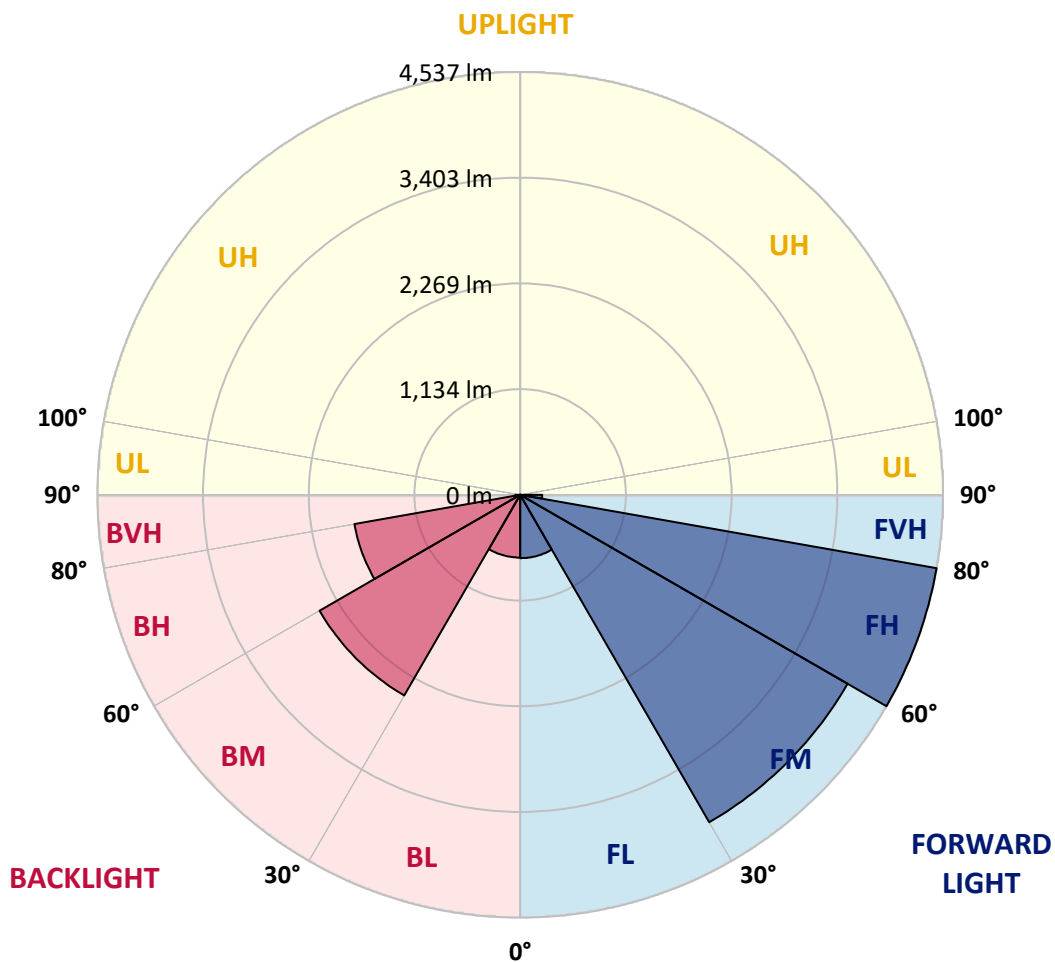
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.6	4.7			
FM (30°-60°)	4057.0	27.9			
FH (60°-80°)	4537.4	31.2			G2/5000
FVH (80°-90°)	236.6	1.6			G3/500
BL (0°-30°)	673.4	4.6	B2/1000		
BM (30°-60°)	2486.0	17.1	B2/2500		
BH (60°-80°)	1805.8	12.4	B3/2500		G3/2500
BVH (80°-90°)	51.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5
2.5°	1571.8	1578.1	1571.8	1573.4	1574.9	1573.4	1571.8	1571.8	1567.1	1570.2	1573.4
5°	1565.5	1570.2	1568.7	1570.2	1571.8	1570.2	1568.7	1570.2	1567.1	1568.7	1573.4
7.5°	1557.7	1556.1	1557.7	1560.8	1563.9	1563.9	1563.9	1565.5	1563.9	1563.9	1568.7
10°	1534.1	1535.6	1538.8	1543.5	1545.1	1549.8	1549.8	1554.5	1556.1	1559.3	1565.5
12.5°	1504.3	1505.9	1509.0	1512.1	1520.0	1527.8	1527.8	1538.8	1543.5	1551.4	1562.3
15°	1482.3	1483.8	1487.0	1490.1	1496.4	1504.3	1509.0	1521.6	1529.4	1543.5	1559.3
17.5°	1494.9	1493.3	1496.4	1498.0	1498.0	1504.3	1504.3	1513.7	1523.1	1535.6	1556.1
20°	1531.0	1531.0	1534.1	1534.1	1532.6	1535.6	1529.4	1529.4	1531.0	1537.2	1551.4
22.5°	1567.1	1565.5	1571.8	1574.9	1576.5	1581.2	1574.9	1573.4	1565.5	1560.8	1565.5
25°	1601.6	1600.1	1607.9	1612.7	1620.5	1625.2	1625.2	1625.2	1618.9	1611.1	1606.3
27.5°	1655.0	1655.0	1662.9	1667.5	1673.9	1683.3	1688.0	1688.0	1689.6	1678.6	1670.7
30°	1744.5	1746.1	1747.6	1754.0	1760.2	1763.4	1769.7	1774.3	1779.1	1772.8	1760.2
32.5°	1851.3	1841.9	1841.9	1851.3	1859.2	1868.6	1871.7	1878.0	1887.5	1882.7	1881.1
35°	1978.5	1975.4	1972.2	1975.4	1984.8	1995.7	2008.3	2019.3	2013.0	2022.4	2017.8
37.5°	2166.9	2170.1	2171.6	2171.6	2170.1	2173.2	2179.5	2190.4	2187.4	2190.4	2196.8
40°	2477.8	2466.8	2455.8	2457.4	2441.7	2444.9	2419.7	2430.7	2432.3	2421.3	2426.0
42.5°	2788.8	2795.0	2799.7	2812.3	2801.3	2795.0	2771.5	2771.5	2758.9	2747.9	2744.8
45°	3124.8	3137.3	3138.9	3164.0	3154.6	3175.0	3192.3	3187.6	3167.2	3165.6	3143.6
47.5°	3393.2	3413.7	3435.6	3465.5	3489.0	3534.5	3587.9	3614.6	3630.3	3642.9	3617.8
50°	3594.3	3603.6	3660.2	3707.3	3759.1	3834.5	3908.3	4004.1	4081.0	4117.1	4151.7
52.5°	3702.6	3726.2	3787.4	3861.1	3952.3	4065.3	4184.7	4337.0	4468.9	4556.8	4635.3
55°	3726.2	3749.7	3818.8	3913.0	4037.0	4189.3	4360.5	4567.7	4765.6	4935.2	5100.1
57.5°	3660.2	3686.9	3760.7	3869.0	4015.1	4200.4	4415.5	4687.1	4960.3	5235.1	5478.5
60°	3539.3	3572.3	3639.7	3746.5	3908.3	4117.1	4374.6	4715.4	5098.5	5519.4	5985.7
62.5°	3339.8	3374.4	3437.2	3555.0	3721.4	3952.3	4250.6	4674.5	5216.3	5878.9	6706.5
65°	3019.6	3035.3	3112.2	3231.6	3379.1	3633.5	3961.7	4473.6	5178.6	6100.3	7240.3
66°	2875.1	2901.8	2948.9	3044.7	3186.0	3424.7	3754.4	4274.2	5035.8	6023.4	7226.2
67.5°	2648.9	2669.4	2700.8	2765.1	2851.6	3027.4	3339.8	3831.4	4599.2	5634.0	6926.3
70°	2141.8	2151.2	2193.6	2215.5	2245.4	2303.5	2416.6	2699.2	3297.5	4269.4	5590.0
72.5°	1460.3	1487.0	1532.6	1595.4	1677.0	1755.5	1808.9	1845.0	1973.8	2546.9	3724.6
75°	1070.9	1099.2	1157.2	1240.5	1383.4	1546.7	1716.3	1794.8	1741.4	1667.5	2074.2
77.5°	621.8	659.5	708.2	788.3	920.2	1136.8	1427.4	1684.8	1859.2	1870.2	1775.9
80°	262.2	267.0	296.7	337.6	419.3	571.5	797.7	1168.3	1554.5	1815.2	1876.4
82.5°	59.6	73.8	94.2	111.4	136.7	188.5	279.5	464.7	840.1	1317.4	1717.9
85°	22.0	22.0	29.9	44.0	50.2	56.6	73.8	117.8	201.0	370.6	772.6
87.5°	0.0	1.6	3.2	3.2	6.3	7.8	12.6	17.3	15.7	14.1	47.1
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5
2.5°	1570.2	1568.7	1565.5	1565.5	1565.5	1565.5	1562.3	1563.9	1560.8	1562.3	1562.3
5°	1568.7	1568.7	1567.1	1563.9	1565.5	1565.5	1567.1	1563.9	1563.9	1565.5	1563.9
7.5°	1568.7	1567.1	1567.1	1567.1	1568.7	1567.1	1568.7	1568.7	1568.7	1570.2	1570.2
10°	1568.7	1568.7	1571.8	1573.4	1573.4	1574.9	1579.6	1579.6	1581.2	1582.8	1586.0
12.5°	1570.2	1576.5	1581.2	1586.0	1587.5	1590.6	1598.5	1598.5	1601.6	1606.3	1607.9
15°	1571.8	1581.2	1590.6	1593.8	1596.9	1603.2	1611.1	1614.1	1618.9	1623.6	1626.7
17.5°	1570.2	1582.8	1593.8	1598.5	1603.2	1611.1	1620.5	1623.6	1629.9	1636.2	1642.4
20°	1568.7	1586.0	1603.2	1609.5	1615.7	1626.7	1639.4	1647.2	1653.4	1662.9	1669.1
22.5°	1578.1	1598.5	1622.1	1631.5	1642.4	1656.6	1673.9	1683.3	1691.2	1700.6	1705.2
25°	1607.9	1623.6	1651.9	1667.5	1681.7	1705.2	1728.8	1739.8	1749.2	1757.1	1758.6
27.5°	1658.1	1662.9	1697.4	1717.9	1738.2	1775.9	1804.2	1812.0	1829.3	1835.6	1834.1
30°	1739.8	1731.9	1760.2	1791.6	1821.5	1873.3	1907.8	1928.2	1943.9	1943.9	1931.4
32.5°	1857.6	1845.0	1852.8	1888.9	1923.5	1998.9	2039.7	2066.4	2077.4	2074.2	2047.5
35°	2011.5	2003.6	1998.9	2027.2	2082.2	2170.1	2223.5	2237.6	2254.8	2251.7	2217.1
37.5°	2193.6	2187.4	2187.4	2220.3	2273.7	2404.0	2462.2	2471.6	2470.0	2444.9	2380.5
40°	2408.8	2405.6	2391.5	2410.3	2455.8	2625.4	2703.9	2716.5	2699.2	2658.4	2583.0
42.5°	2718.1	2699.2	2655.3	2666.2	2700.8	2865.7	2967.7	3002.3	2985.0	2944.2	2821.7
45°	3121.6	3101.2	3027.4	3018.0	3036.9	3181.3	3313.1	3321.0	3317.9	3266.1	3121.6
47.5°	3595.8	3564.4	3485.9	3460.8	3454.5	3587.9	3715.2	3727.7	3719.8	3642.9	3449.8
50°	4109.2	4063.7	4011.9	3994.6	3969.5	4065.3	4194.1	4195.7	4164.2	4057.4	3876.9
52.5°	4657.3	4641.6	4632.1	4614.9	4603.9	4687.1	4765.6	4718.5	4671.4	4559.9	4402.9
55°	5210.0	5274.4	5340.3	5346.6	5365.4	5454.9	5453.4	5324.6	5290.1	5228.9	5073.4
57.5°	5797.2	6035.9	6243.2	6307.6	6370.4	6536.9	6521.2	6394.0	6350.0	6274.6	6145.9
60°	6596.5	7240.3	7838.6	7981.4	8080.4	8279.8	8261.0	8064.7	8155.8	8149.4	7983.0
62.5°	7716.0	8786.9	9683.6	9903.4	9972.5	9994.5	9875.1	9663.1	9752.7	9853.2	9341.3
65°	8474.5	9733.8	10654.0	10823.6	10833.0	10570.8	10305.4	10055.7	10033.7	9947.4	9215.7
66°	8491.8	9780.9	10704.3	10869.1	10811.0	10453.0	10117.0	9865.7	9757.4	9567.4	8809.0
67.5°	8187.1	9487.3	10481.3	10655.5	10528.3	10021.2	9557.9	9234.5	9022.5	8714.8	8045.8
70°	6876.0	8165.2	9389.9	9714.9	9755.8	8998.9	8356.7	7976.7	7690.9	7268.6	6692.3
72.5°	5112.7	6277.8	7358.1	7669.0	7827.6	7223.0	6681.3	6392.4	6001.4	5557.1	5147.2
75°	3204.9	4027.7	4751.5	4969.8	4820.6	4352.7	4027.7	3906.7	3522.0	3256.7	3069.8
77.5°	1832.5	2090.0	2148.1	2064.8	1888.9	1446.1	1028.5	761.6	661.0	731.7	807.1
80°	1788.5	1639.4	1306.4	1149.4	1041.0	716.0	420.8	288.9	240.3	246.5	267.0
82.5°	1937.7	2079.0	1711.5	1395.9	1171.4	791.4	436.6	232.4	157.0	185.3	208.8
85°	1259.4	1752.4	1578.1	1330.0	1077.2	676.7	359.5	120.9	80.1	105.2	144.5
87.5°	127.2	139.7	119.3	161.8	120.9	56.6	28.3	17.3	15.7	18.9	28.3
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5	1565.5
2.5°	1563.9	1563.9	1565.5	1567.1	1568.7	1570.2	1570.2	1570.2	1570.2	1573.4	1571.8
5°	1567.1	1570.2	1573.4	1574.9	1578.1	1578.1	1582.8	1581.2	1581.2	1586.0	1587.5
7.5°	1573.4	1578.1	1584.4	1582.8	1589.0	1587.5	1590.6	1590.6	1586.0	1587.5	1584.4
10°	1587.5	1593.8	1596.9	1592.2	1593.8	1587.5	1586.0	1578.1	1568.7	1563.9	1557.7
12.5°	1611.1	1617.3	1617.3	1609.5	1600.1	1586.0	1574.9	1557.7	1543.5	1535.6	1527.8
15°	1631.5	1637.8	1636.2	1623.6	1609.5	1587.5	1571.8	1551.4	1531.0	1518.4	1510.5
17.5°	1647.2	1650.3	1645.6	1628.3	1612.7	1592.2	1576.5	1554.5	1531.0	1515.3	1501.1
20°	1670.7	1667.5	1656.6	1634.6	1617.3	1598.5	1586.0	1567.1	1540.4	1520.0	1499.5
22.5°	1705.2	1692.7	1672.3	1648.8	1631.5	1614.1	1601.6	1581.2	1554.5	1529.4	1505.9
25°	1750.8	1725.7	1697.4	1672.3	1656.6	1637.8	1623.6	1601.6	1573.4	1545.1	1516.8
27.5°	1816.8	1772.8	1736.7	1714.7	1697.4	1673.9	1656.6	1628.3	1598.5	1565.5	1534.1
30°	1890.5	1830.9	1796.4	1779.1	1760.2	1735.1	1708.4	1672.3	1637.8	1601.6	1563.9
32.5°	1986.3	1914.1	1881.1	1863.8	1838.7	1807.4	1775.9	1735.1	1686.4	1639.4	1593.8
35°	2111.9	2038.2	2003.6	1976.9	1942.3	1901.5	1856.0	1801.0	1735.1	1672.3	1614.1
37.5°	2247.0	2166.9	2134.0	2105.7	2053.9	2000.5	1936.1	1856.0	1766.5	1683.3	1611.1
40°	2418.2	2344.4	2302.0	2253.3	2192.0	2099.4	1998.9	1882.7	1768.1	1666.0	1581.2
42.5°	2634.8	2561.0	2498.2	2421.3	2314.5	2171.6	2028.8	1878.0	1739.8	1623.6	1532.6
45°	2922.2	2832.7	2724.3	2589.3	2416.6	2217.1	2030.3	1848.2	1686.4	1557.7	1460.3
47.5°	3273.9	3137.3	2959.8	2732.2	2484.1	2229.7	2005.2	1788.5	1603.2	1463.5	1355.1
50°	3691.6	3476.5	3184.4	2850.0	2518.6	2210.9	1942.3	1699.0	1485.4	1336.3	1207.5
52.5°	4169.0	3817.2	3387.0	2934.7	2517.0	2148.1	1835.6	1563.9	1331.5	1165.1	1042.6
55°	4729.5	4206.6	3595.8	2997.6	2473.1	2031.8	1672.3	1374.0	1141.6	987.6	874.6
57.5°	5550.7	4837.9	3960.1	3094.9	2385.1	1852.8	1450.9	1146.2	942.1	796.1	700.3
60°	7051.9	5891.5	4616.5	3291.2	2250.2	1590.6	1191.8	902.9	731.7	614.0	549.6
62.5°	8182.5	6706.5	4971.4	3247.2	1978.5	1267.2	884.0	658.0	538.6	458.5	417.7
65°	8020.7	6453.6	4592.9	2796.6	1551.4	893.5	587.3	447.5	370.6	332.9	309.3
66°	7654.8	6123.9	4264.8	2517.0	1340.9	742.7	483.6	375.3	318.8	292.1	276.4
67.5°	6960.8	5511.5	3677.5	2063.3	1030.1	538.6	364.3	296.7	259.1	248.1	237.1
70°	5786.3	4395.1	2581.4	1201.2	526.0	299.9	230.8	207.3	197.9	196.3	193.1
72.5°	4434.4	3110.6	1520.0	568.4	273.2	199.4	179.0	171.2	168.0	168.0	169.6
75°	2718.1	1747.6	672.1	278.0	191.5	168.0	158.6	155.4	153.9	155.4	153.9
77.5°	907.6	555.8	287.4	210.4	174.3	155.4	149.2	146.0	146.0	146.0	146.0
80°	278.0	241.8	219.8	194.7	164.8	147.6	138.1	136.7	138.1	139.7	135.1
82.5°	208.8	197.9	185.3	172.7	149.2	131.9	128.7	128.7	128.7	124.1	117.8
85°	153.9	152.3	125.6	117.8	110.0	110.0	110.0	110.0	105.2	97.4	91.1
87.5°	28.3	26.7	28.3	29.9	44.0	47.1	47.1	50.2	55.0	51.8	51.8
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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CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	1565.5	1565.5	1565.5	1565.5	1565.5
2.5°	1571.8	1570.2	1574.9	1571.8	1573.4
5°	1586.0	1584.4	1587.5	1584.4	1589.0
7.5°	1581.2	1578.1	1576.5	1578.1	1579.6
10°	1548.3	1545.1	1543.5	1542.0	1543.5
12.5°	1520.0	1513.7	1513.7	1510.5	1512.1
15°	1499.5	1494.9	1493.3	1490.1	1491.7
17.5°	1490.1	1482.3	1479.2	1476.0	1476.0
20°	1483.8	1474.4	1469.8	1466.6	1465.0
22.5°	1483.8	1469.8	1463.5	1460.3	1458.7
25°	1490.1	1472.8	1463.5	1458.7	1457.1
27.5°	1502.7	1480.8	1469.8	1463.5	1463.5
30°	1524.7	1496.4	1480.8	1472.8	1471.3
32.5°	1546.7	1509.0	1487.0	1477.6	1474.4
35°	1557.7	1509.0	1482.3	1466.6	1463.5
37.5°	1545.1	1488.6	1455.6	1432.0	1427.4
40°	1505.9	1446.1	1410.1	1388.1	1384.9
42.5°	1454.1	1395.9	1353.5	1337.9	1333.1
45°	1383.4	1314.2	1271.9	1249.9	1251.4
47.5°	1262.4	1191.8	1154.1	1133.7	1136.8
50°	1119.5	1050.5	1017.5	995.5	1000.2
52.5°	962.5	899.7	868.4	857.3	854.2
55°	797.7	749.0	727.0	714.4	709.8
57.5°	646.9	612.4	596.7	581.0	582.5
60°	510.3	493.0	488.4	471.1	469.5
62.5°	402.0	391.0	386.2	373.7	375.3
65°	304.7	301.5	304.7	296.7	299.9
66°	274.8	276.4	276.4	271.6	274.8
67.5°	237.1	240.3	244.9	240.3	243.4
70°	196.3	199.4	202.5	202.5	202.5
72.5°	171.2	174.3	175.9	175.9	175.9
75°	157.0	158.6	160.2	157.0	157.0
77.5°	147.6	147.6	144.5	142.9	141.3
80°	133.5	131.9	127.2	124.1	124.1
82.5°	111.4	108.4	105.2	100.5	100.5
85°	84.8	81.7	78.5	72.2	69.1
87.5°	44.0	45.6	44.0	36.1	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)