

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: P148744

Luminaire Tested: **VXS-F03-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148744
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F03-LED-E1-RW-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7066.3 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

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

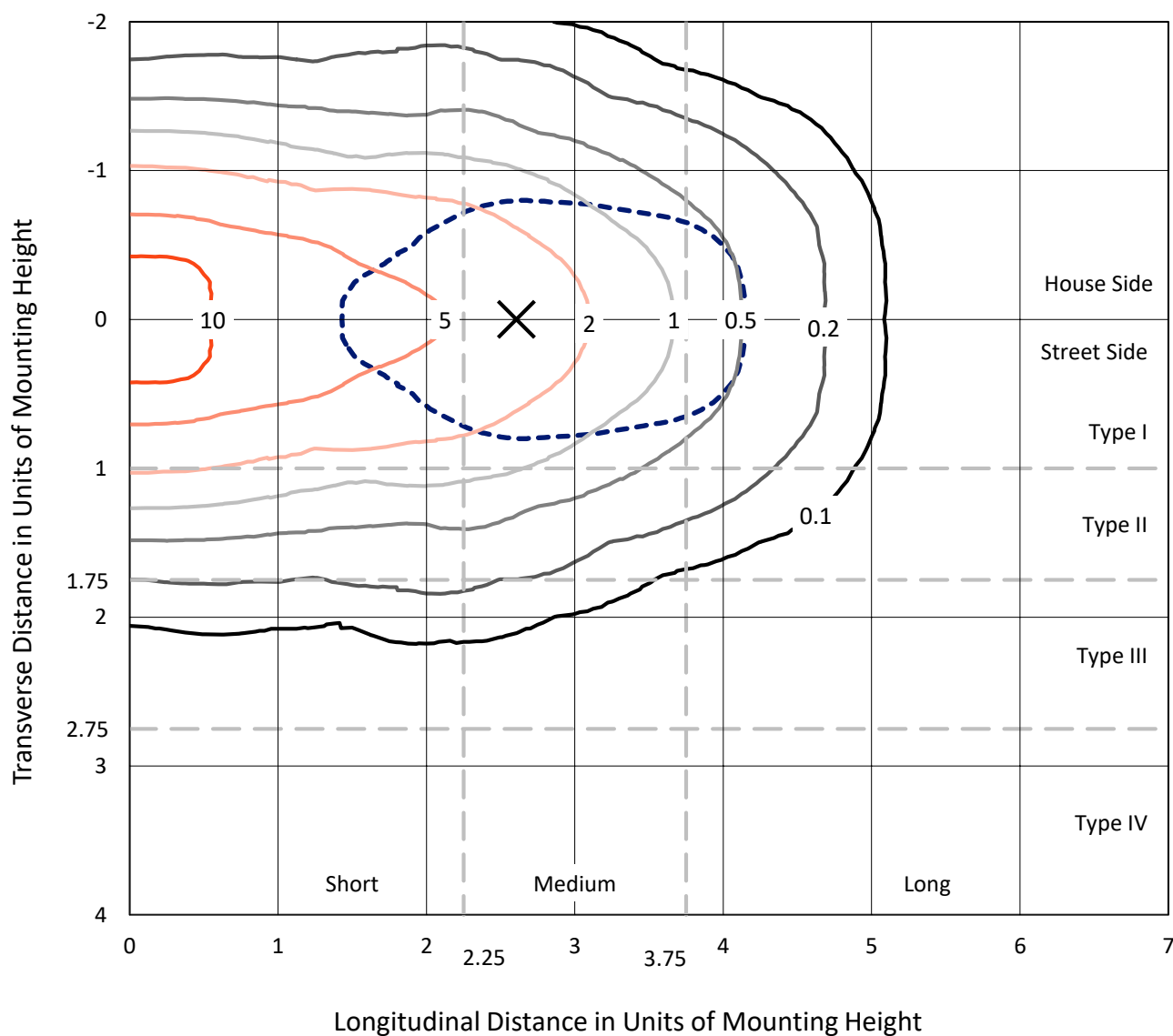


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

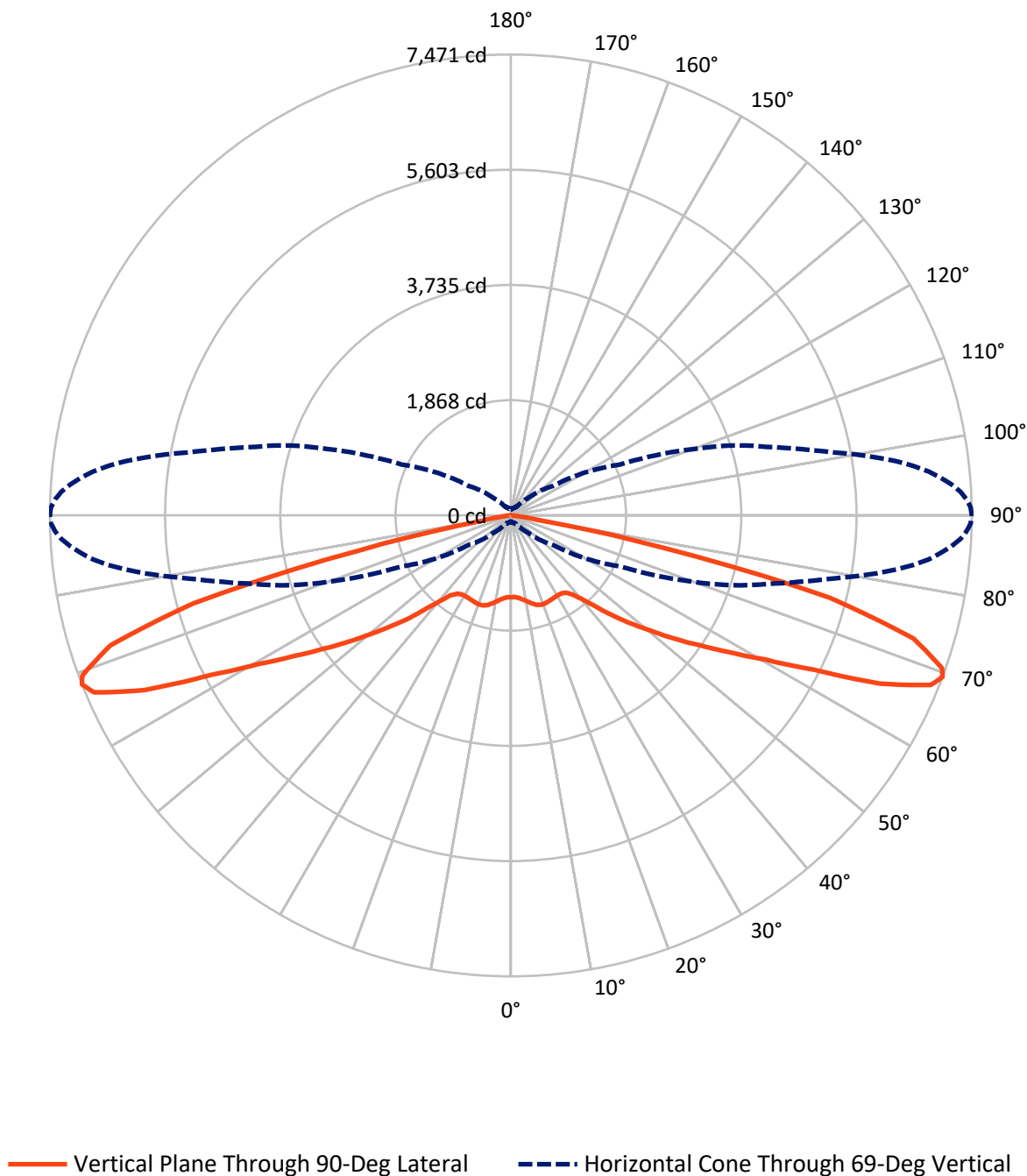


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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CATALOG NUMBER: VXS-F03-LED-E1-RW-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3533.1	0.0	3533.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3533.1	0.0	3533.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7066.3	0.0	7066.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	1.8
10°-20°	409.7	5.8
20°-30°	663.7	9.4
30°-40°	827.2	11.7
40°-50°	1033.7	14.6
50°-60°	1276.4	18.1
60°-70°	1586.0	22.4
70°-80°	1052.9	14.9
80°-90°	86.9	1.2
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°	7066.3	100.0
0°-180°	7066.3	100.0

Coefficient of Utilization



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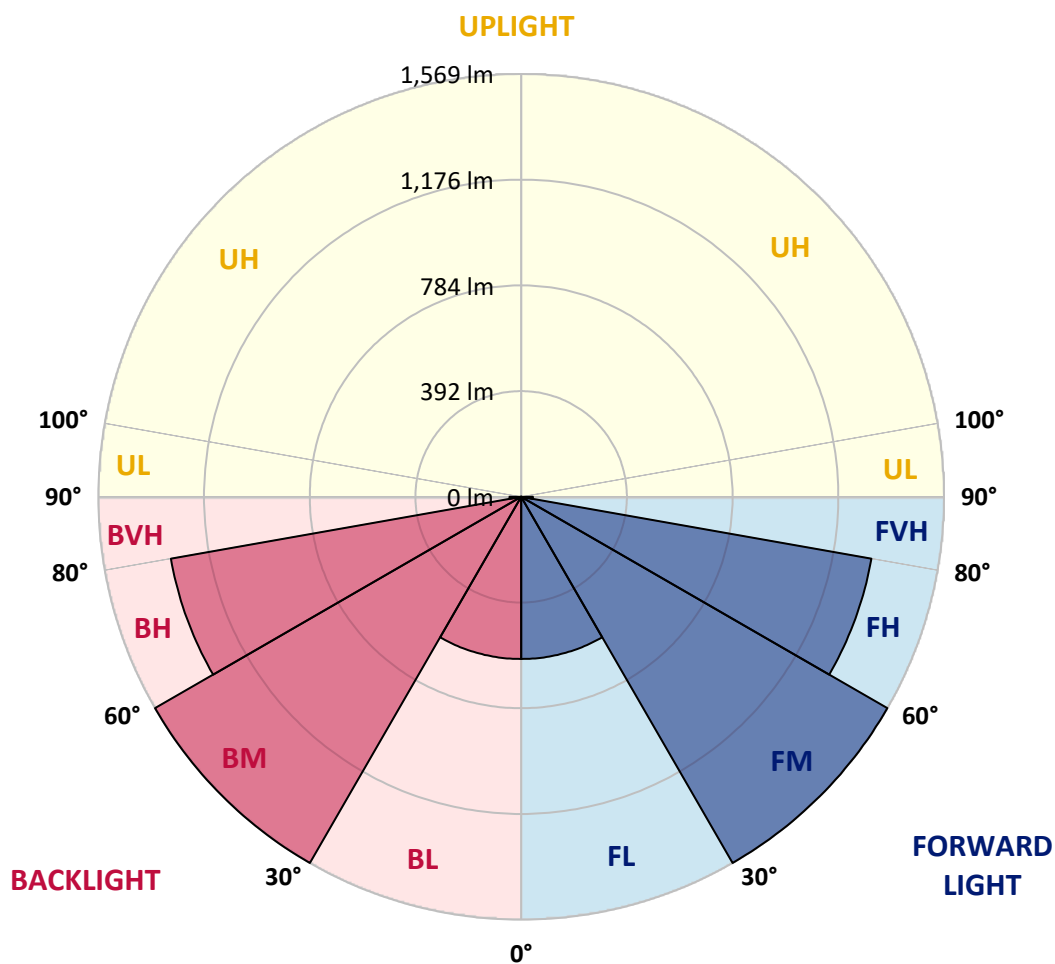
CATALOG NUMBER: VXS-F03-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	601.7	8.5			
FM	(30°-60°)	1568.6	22.2			
FH	(60°-80°)	1319.4	18.7			G1/1800
FVH	(80°-90°)	43.5	0.6			G1/100
BL	(0°-30°)	601.7	8.5	B2/1000		
BM	(30°-60°)	1568.6	22.2	B2/2500		
BH	(60°-80°)	1319.4	18.7	B3/2500		G3/2500
BVH	(80°-90°)	43.5	0.6			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0
2.5°	1330.1	1331.2	1330.4	1331.9	1331.6	1331.6	1330.8	1329.3	1329.1	1328.9	1328.7
5°	1342.8	1341.4	1343.6	1345.8	1345.2	1345.5	1345.1	1345.2	1345.0	1344.8	1344.7
7.5°	1356.4	1356.0	1357.6	1363.6	1364.4	1366.6	1369.2	1371.2	1371.2	1371.3	1371.4
10°	1368.2	1368.5	1372.3	1380.9	1385.5	1392.6	1399.8	1405.4	1405.9	1406.3	1406.7
12.5°	1377.6	1377.9	1383.6	1397.2	1408.1	1421.6	1437.0	1445.8	1446.5	1447.3	1448.0
15°	1378.3	1379.4	1389.2	1411.5	1433.3	1455.6	1474.0	1485.8	1486.4	1486.9	1487.6
17.5°	1368.5	1369.2	1385.8	1418.6	1455.2	1489.9	1509.1	1514.4	1514.6	1514.8	1515.1
20°	1342.8	1344.8	1368.2	1416.8	1472.6	1517.8	1537.8	1530.6	1529.8	1529.1	1528.4
22.5°	1301.4	1301.0	1331.6	1397.2	1475.9	1539.7	1557.4	1538.6	1536.3	1534.1	1531.8
25°	1234.4	1238.8	1274.7	1353.0	1456.8	1544.6	1571.3	1542.7	1539.5	1536.3	1533.1
27.5°	1161.5	1164.2	1202.2	1286.3	1411.8	1527.6	1578.1	1551.0	1547.4	1543.8	1540.2
30°	1076.6	1080.1	1120.8	1208.6	1339.8	1483.9	1576.2	1569.8	1565.6	1561.4	1557.3
32.5°	993.8	997.6	1034.1	1130.2	1264.1	1423.8	1564.9	1596.6	1592.3	1588.0	1583.7
35°	907.8	913.4	957.9	1055.2	1190.9	1357.2	1547.6	1630.9	1628.5	1626.1	1623.8
37.5°	836.6	837.6	880.6	982.8	1123.0	1293.4	1524.6	1674.2	1676.0	1677.7	1679.4
40°	757.0	764.2	807.2	915.0	1061.6	1239.6	1502.7	1733.0	1742.1	1751.1	1760.1
42.5°	685.8	686.6	730.2	841.4	994.8	1196.2	1490.7	1804.0	1823.2	1842.5	1861.7
45°	610.8	613.8	653.3	760.8	918.0	1145.0	1490.2	1885.8	1916.5	1947.3	1978.0
47.5°	539.8	541.0	582.8	682.8	829.8	1073.3	1487.6	1973.6	2015.4	2057.3	2099.2
50°	472.0	470.9	512.0	608.1	742.7	979.4	1464.6	2073.1	2126.0	2178.9	2231.8
52.5°	394.4	399.5	442.2	534.2	663.6	884.0	1397.5	2182.0	2245.3	2308.6	2371.8
55°	318.2	320.4	366.0	452.0	583.2	795.0	1280.7	2282.4	2357.0	2431.5	2506.1
57.5°	234.5	241.3	281.2	366.0	501.8	720.1	1132.1	2334.4	2425.1	2515.9	2606.6
60°	165.5	170.8	206.2	277.4	412.4	641.2	1004.4	2305.4	2423.3	2541.2	2659.1
62.5°	129.0	133.0	161.4	207.7	321.6	562.5	912.7	2211.4	2371.9	2532.4	2692.8
65°	113.1	116.9	142.5	166.2	240.1	482.2	862.6	2112.3	2324.4	2536.5	2748.6
67.5°	102.2	106.6	128.9	145.5	195.7	420.8	849.4	2049.8	2290.0	2530.2	2770.4
69°	97.2	101.8	121.8	135.8	181.7	398.8	826.8	1951.4	2190.2	2429.0	2667.8
70°	94.2	98.0	116.4	130.8	177.2	383.8	789.0	1828.4	2063.0	2297.5	2532.1
72.5°	87.4	89.4	105.6	119.6	164.4	310.2	607.0	1358.0	1561.3	1764.6	1967.9
75°	77.3	79.6	94.6	108.2	128.2	192.6	384.2	840.0	991.7	1143.5	1295.3
77.5°	66.8	68.7	81.8	103.3	99.5	120.2	229.6	467.6	555.6	643.6	731.6
80°	53.6	55.8	67.4	102.6	82.2	93.5	165.1	326.8	350.6	374.4	398.1
82.5°	39.2	41.1	52.8	82.9	63.0	70.5	125.9	277.1	285.4	293.6	301.9
85°	20.0	20.3	33.6	50.6	40.0	36.6	70.8	189.6	194.9	200.2	205.5
87.5°	3.4	3.4	7.5	8.6	9.8	6.0	9.0	32.4	33.5	34.5	35.5
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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CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0
2.5°	1328.6	1328.4	1327.7	1327.9	1328.3	1328.1	1328.6	1328.6	1329.1	1327.7	1327.3
5°	1344.5	1344.4	1344.3	1344.2	1344.5	1344.4	1344.8	1345.3	1345.2	1344.3	1344.1
7.5°	1371.5	1371.6	1371.9	1371.5	1372.3	1371.9	1371.2	1372.4	1373.2	1373.3	1374.1
10°	1407.1	1407.5	1408.8	1408.6	1410.0	1409.7	1410.0	1411.2	1412.2	1412.2	1413.2
12.5°	1448.8	1449.6	1450.2	1450.9	1452.3	1451.5	1453.3	1454.1	1455.2	1457.5	1456.3
15°	1488.2	1488.8	1490.8	1490.9	1492.2	1492.7	1494.4	1495.1	1495.4	1497.2	1497.5
17.5°	1515.3	1515.5	1516.3	1515.9	1517.0	1516.6	1517.8	1518.4	1519.4	1520.3	1522.1
20°	1527.7	1527.0	1526.6	1526.2	1525.4	1524.2	1524.6	1525.1	1525.2	1526.1	1527.4
22.5°	1529.6	1527.4	1525.1	1523.5	1521.2	1519.3	1517.4	1517.5	1517.7	1517.5	1518.4
25°	1529.9	1526.7	1523.1	1518.8	1515.6	1511.2	1507.6	1507.4	1506.2	1506.4	1506.8
27.5°	1536.7	1533.1	1528.0	1523.0	1516.1	1510.3	1504.6	1502.6	1500.5	1499.2	1498.7
30°	1553.1	1548.9	1542.9	1536.5	1529.0	1520.0	1511.8	1509.2	1506.3	1503.7	1501.5
32.5°	1579.4	1575.1	1568.4	1561.8	1551.8	1542.9	1534.8	1530.6	1526.5	1521.9	1517.8
35°	1621.4	1619.0	1613.1	1607.3	1599.9	1593.0	1585.6	1580.9	1574.0	1570.5	1565.4
37.5°	1681.2	1682.9	1682.9	1683.7	1681.4	1678.0	1672.7	1667.8	1665.5	1656.2	1650.1
40°	1769.1	1778.1	1786.4	1792.8	1798.4	1804.0	1808.8	1806.0	1806.9	1804.4	1800.8
42.5°	1881.0	1900.2	1917.8	1935.5	1948.1	1968.0	1981.8	1986.2	1997.4	2001.8	2009.9
45°	2008.8	2039.6	2069.1	2096.4	2121.8	2150.2	2177.8	2198.5	2220.9	2246.5	2272.0
47.5°	2141.1	2183.0	2226.5	2262.1	2298.9	2340.9	2377.7	2408.6	2449.1	2486.6	2527.7
50°	2284.7	2337.6	2387.2	2431.1	2478.4	2526.8	2577.2	2622.7	2677.3	2737.2	2801.9
52.5°	2435.1	2498.4	2555.7	2610.8	2666.3	2721.9	2775.4	2839.8	2907.1	2986.1	3067.0
55°	2580.6	2655.2	2720.2	2781.6	2845.1	2907.1	2962.4	3048.5	3131.1	3225.4	3331.0
57.5°	2697.4	2788.1	2863.1	2936.0	3007.6	3073.6	3141.5	3238.5	3343.9	3454.1	3588.1
60°	2777.0	2895.0	2990.8	3078.4	3166.3	3249.3	3327.4	3454.2	3579.5	3716.5	3883.3
62.5°	2853.3	3013.7	3138.7	3258.1	3376.7	3483.2	3580.4	3739.9	3903.6	4072.9	4271.3
65°	2960.7	3172.8	3356.9	3523.3	3687.5	3844.0	3989.4	4191.5	4398.2	4621.0	4857.8
67.5°	3010.6	3250.8	3490.6	3714.9	3923.4	4121.7	4308.3	4552.7	4795.9	5054.3	5340.4
69°	2906.6	3145.4	3401.8	3646.8	3877.1	4087.4	4289.4	4538.9	4791.8	5055.7	5344.3
70°	2766.6	3001.1	3259.8	3515.9	3736.2	3955.3	4164.7	4412.2	4668.4	4932.9	5235.2
72.5°	2171.2	2374.5	2626.8	2875.4	3096.4	3316.3	3519.7	3773.0	4030.8	4308.7	4594.9
75°	1447.1	1598.8	1786.8	2017.4	2220.1	2414.4	2611.4	2825.7	3077.3	3306.3	3568.1
77.5°	819.6	907.6	1016.8	1166.7	1312.1	1428.5	1569.1	1669.9	1815.9	1942.0	2075.2
80°	421.8	445.6	478.2	514.1	534.7	531.4	552.3	531.7	536.3	519.4	501.3
82.5°	310.2	318.4	333.1	340.3	339.6	315.9	290.7	255.7	224.8	192.5	162.8
85°	210.8	216.0	219.7	225.3	223.8	213.4	190.8	160.3	130.7	104.9	83.9
87.5°	36.5	37.5	37.3	40.3	40.5	37.6	30.9	26.4	22.3	16.6	11.7
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0	1324.0
2.5°	1327.0	1327.0	1327.8	1327.0	1327.0	1327.0	1326.6	1327.4	1327.0	1325.9	1324.8
5°	1344.4	1343.2	1342.8	1343.6	1344.4	1342.8	1344.0	1345.1	1343.2	1343.6	1342.9
7.5°	1373.4	1373.0	1372.6	1373.4	1373.4	1373.0	1373.4	1372.3	1371.5	1372.6	1373.8
10°	1412.2	1411.8	1412.6	1412.6	1414.1	1413.4	1413.0	1414.2	1413.4	1412.6	1413.0
12.5°	1457.8	1456.7	1458.6	1458.6	1459.7	1459.8	1459.4	1459.7	1459.4	1458.2	1457.5
15°	1498.6	1497.0	1497.4	1500.5	1500.1	1500.8	1500.8	1500.0	1499.7	1499.3	1499.7
17.5°	1523.0	1522.3	1522.3	1523.8	1525.0	1524.6	1524.6	1524.6	1524.2	1524.6	1525.3
20°	1527.6	1527.6	1527.9	1529.5	1531.4	1530.2	1530.2	1530.9	1530.2	1531.0	1531.4
22.5°	1519.0	1519.7	1520.4	1522.2	1522.6	1522.6	1522.7	1523.0	1523.8	1523.8	1524.6
25°	1506.8	1507.6	1508.7	1510.3	1511.8	1511.8	1511.7	1512.5	1512.5	1512.9	1513.3
27.5°	1497.8	1498.6	1499.7	1501.2	1503.1	1503.1	1503.0	1503.8	1503.8	1504.2	1505.0
30°	1498.9	1497.4	1498.6	1499.2	1500.4	1500.4	1500.1	1500.4	1500.8	1500.8	1501.2
32.5°	1515.1	1511.8	1510.6	1510.2	1510.6	1509.5	1509.1	1508.4	1507.6	1507.6	1507.3
35°	1558.2	1552.9	1552.5	1549.4	1546.4	1543.4	1543.8	1541.6	1542.4	1540.4	1538.9
37.5°	1646.4	1640.3	1644.0	1637.7	1633.6	1630.6	1627.1	1622.6	1619.9	1623.4	1623.3
40°	1804.3	1800.2	1799.0	1800.2	1796.4	1798.2	1790.0	1787.7	1782.8	1786.2	1790.8
42.5°	2022.6	2020.0	2034.2	2037.0	2038.4	2040.7	2042.2	2029.8	2029.4	2026.8	2019.2
45°	2292.2	2308.0	2307.2	2324.6	2325.4	2320.0	2322.3	2316.7	2314.4	2306.1	2316.3
47.5°	2569.2	2599.4	2610.8	2614.5	2628.8	2632.2	2618.6	2614.1	2622.0	2608.4	2610.4
50°	2866.7	2899.1	2925.4	2943.2	2953.4	2954.2	2944.0	2941.6	2949.0	2923.3	2935.3
52.5°	3159.2	3208.2	3258.0	3284.4	3303.3	3304.8	3312.6	3303.2	3307.0	3301.0	3313.1
55°	3447.6	3532.5	3591.0	3642.6	3675.4	3703.6	3706.2	3716.4	3717.2	3729.6	3717.2
57.5°	3729.6	3822.0	3923.8	4015.4	4066.3	4098.4	4128.5	4169.6	4178.6	4173.8	4181.7
60°	4062.5	4205.4	4343.8	4449.4	4537.2	4621.2	4666.5	4731.0	4741.1	4769.0	4744.9
62.5°	4483.2	4690.6	4878.4	5020.4	5154.0	5284.8	5383.5	5433.2	5463.5	5521.8	5502.7
65°	5128.6	5377.5	5626.0	5829.5	6016.5	6172.2	6322.2	6393.8	6473.0	6556.0	6571.1
67.5°	5660.2	5968.2	6248.3	6496.4	6723.0	6896.0	7052.2	7176.1	7272.6	7333.8	7338.7
69°	5684.4	6004.4	6308.6	6574.8	6811.2	6995.2	7159.6	7297.5	7391.4	7454.0	7470.6
70°	5569.0	5896.6	6220.8	6489.6	6731.6	6919.8	7094.0	7225.5	7330.3	7394.0	7416.3
72.5°	4920.2	5270.0	5616.6	5852.0	6099.5	6323.4	6462.8	6597.1	6744.8	6764.1	6825.2
75°	3878.6	4172.6	4441.4	4621.6	4828.2	5029.2	5166.0	5201.4	5278.7	5376.0	5341.2
77.5°	2247.6	2338.1	2511.6	2556.0	2518.4	2605.8	2634.9	2573.0	2570.0	2626.9	2513.8
80°	498.1	469.8	505.2	478.8	479.6	480.2	472.4	469.4	475.0	469.4	461.5
82.5°	138.0	133.4	134.2	132.7	135.4	133.5	132.4	135.4	135.0	134.6	137.2
85°	66.3	65.6	64.6	64.1	62.6	60.8	57.7	57.8	59.2	56.9	58.0
87.5°	8.6	8.3	8.3	9.8	8.7	7.2	7.2	7.2	6.8	6.8	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)