

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: P149888

Luminaire Tested: **VXS-E04-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149888
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E04-LED-E1-SL2-8030
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10313.9 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 97.2
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

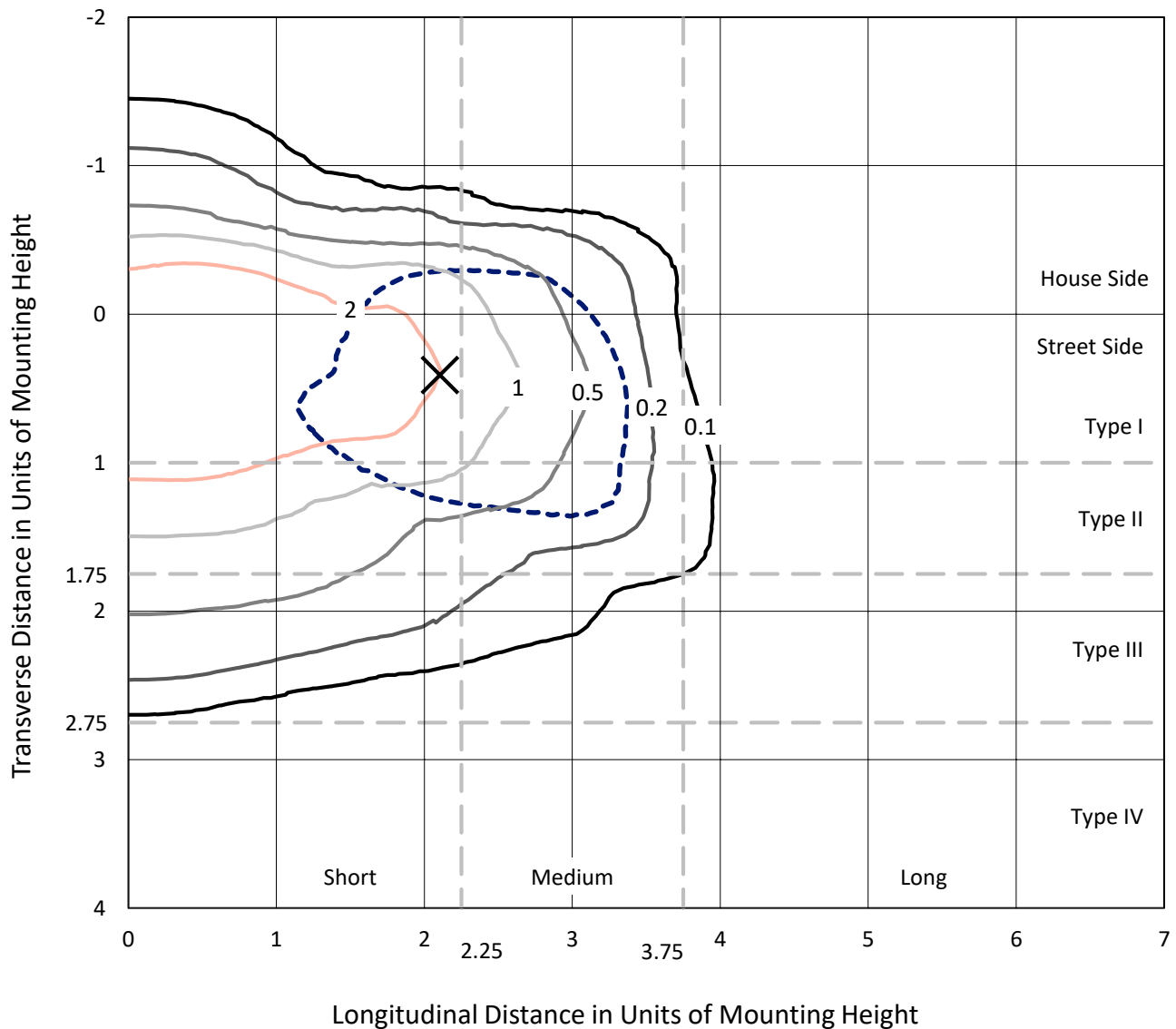


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

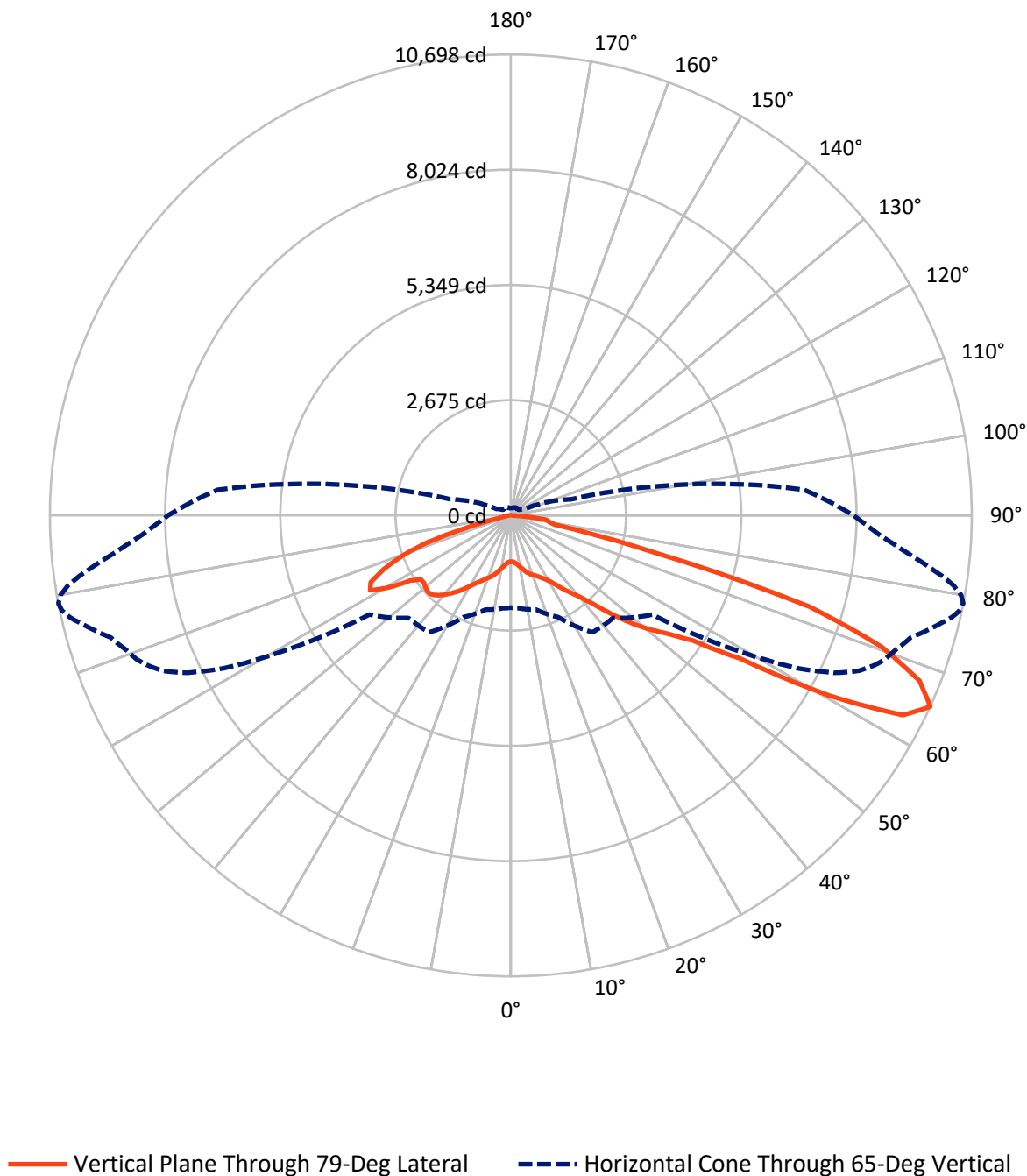


Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2438.2	0.0	2438.2
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	7875.7	0.0	7875.7
	% Fixture	76.4	0.0	76.4
Total	Lumens	10313.9	0.0	10313.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	1.0
10°-20°	348.9	3.4
20°-30°	602.7	5.8
30°-40°	997.7	9.7
40°-50°	1692.0	16.4
50°-60°	2248.1	21.8
60°-70°	2904.1	28.2
70°-80°	1218.0	11.8
80°-90°	195.6	1.9
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°	10313.9	100.0
0°-180°	10313.9	100.0

Coefficient of Utilization



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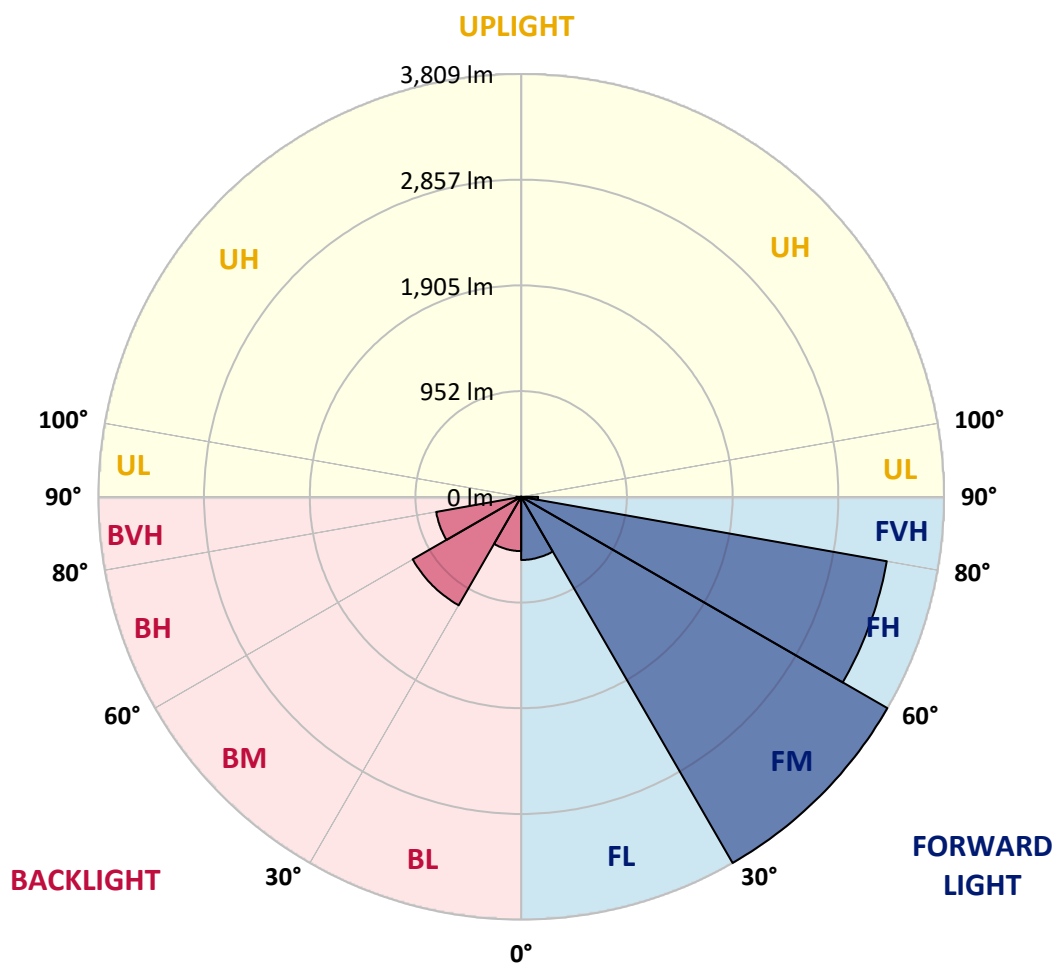
CATALOG NUMBER: VXS-E04-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	569.1	5.5			
FM	(30°-60°)	3809.2	36.9			
FH	(60°-80°)	3344.4	32.4			G2/5000
FVH	(80°-90°)	153.0	1.5			G2/225
BL	(0°-30°)	489.3	4.7	B1/500		
BM	(30°-60°)	1128.6	10.9	B2/2500		
BH	(60°-80°)	777.6	7.5	B2/1000		G2/1000
BVH	(80°-90°)	42.7	0.4			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1070.2	1073.6	1071.3	1073.6	1075.9	1076.9	1079.2	1078.0	1078.0	1079.2	1076.9
5°	1070.2	1070.2	1073.6	1079.2	1081.5	1088.2	1096.1	1094.9	1096.1	1094.9	1097.2
7.5°	1092.6	1091.6	1094.9	1101.7	1103.9	1114.1	1127.6	1129.8	1132.1	1132.1	1135.4
10°	1132.1	1131.0	1134.3	1137.7	1141.0	1148.9	1168.1	1176.0	1177.1	1178.2	1182.7
12.5°	1181.6	1180.4	1176.0	1176.0	1174.8	1189.4	1215.3	1229.9	1232.2	1236.7	1240.1
15°	1216.5	1213.1	1206.3	1201.9	1207.5	1231.1	1269.3	1286.2	1288.5	1291.9	1300.8
17.5°	1250.3	1246.8	1232.2	1220.9	1228.8	1267.2	1318.9	1336.9	1341.3	1344.8	1354.9
20°	1297.5	1295.2	1273.9	1246.8	1244.6	1294.1	1357.1	1380.7	1384.1	1388.6	1398.8
22.5°	1369.5	1359.4	1334.6	1284.0	1259.3	1309.8	1384.1	1416.8	1421.2	1425.8	1439.3
25°	1459.6	1455.0	1412.2	1334.6	1282.9	1325.6	1413.4	1453.9	1460.6	1466.3	1484.2
27.5°	1553.0	1546.2	1500.1	1398.8	1324.5	1357.1	1459.6	1505.7	1514.7	1523.7	1540.5
30°	1636.2	1634.0	1595.8	1485.4	1392.0	1416.8	1533.8	1590.1	1600.2	1611.5	1627.3
32.5°	1832.0	1833.2	1793.8	1681.2	1555.2	1524.8	1640.7	1725.1	1729.6	1743.1	1771.3
35°	2206.7	2211.3	2196.6	2107.8	1965.9	1841.0	1852.2	1935.5	1940.1	1951.3	1978.3
37.5°	2457.7	2466.7	2511.7	2539.9	2467.9	2410.5	2267.6	2234.9	2238.2	2231.5	2225.9
40°	2596.2	2609.6	2727.8	2874.1	2952.8	2954.0	2892.1	2748.1	2692.8	2677.1	2609.6
42.5°	2674.9	2697.4	2865.1	3114.9	3341.0	3496.4	3534.6	3374.8	3334.3	3262.3	3132.8
45°	2726.6	2753.7	2951.7	3293.8	3626.9	3891.4	4090.6	4019.7	3992.6	3948.7	3829.4
47.5°	2717.6	2739.1	2945.0	3354.6	3776.6	4152.4	4505.8	4579.0	4546.3	4535.0	4454.0
50°	2553.4	2572.4	2781.8	3203.8	3694.4	4251.5	4769.1	4976.2	4976.2	4997.5	4972.7
52.5°	2377.8	2393.6	2583.7	2963.0	3428.8	4154.7	4915.4	5258.7	5303.6	5340.7	5399.3
55°	2311.4	2330.6	2474.6	2798.7	3202.7	3877.8	4964.9	5470.2	5553.5	5616.5	5749.2
57.5°	2342.9	2362.1	2464.5	2709.7	3069.8	3595.4	4967.2	5754.9	5915.9	6045.2	6314.2
60°	2479.1	2497.1	2582.6	2791.9	3035.0	3432.2	4871.5	6208.4	6465.0	6708.1	7156.0
62.5°	2416.1	2438.5	2563.5	2928.1	3294.9	3308.4	4526.0	6559.5	6972.5	7331.5	8043.8
65°	2140.3	2164.0	2261.9	2602.9	3310.7	3362.5	4014.0	6566.2	7079.4	7564.5	8333.0
67.5°	1625.0	1634.0	1711.6	1985.1	2647.9	3422.1	3487.4	5788.6	6277.0	6818.3	7611.7
70°	830.5	846.2	868.7	1096.1	1704.9	2828.0	2996.7	4266.1	4888.4	5447.7	6400.8
72.5°	288.1	293.7	316.2	418.7	830.5	1855.6	2623.1	2923.6	3299.5	3822.7	4926.6
75°	173.3	173.3	181.1	211.6	379.3	966.6	2333.9	2388.0	2438.5	2614.1	3336.6
77.5°	137.3	139.6	139.6	145.2	210.5	496.3	1772.3	2220.2	2227.0	2243.9	2365.4
80°	97.9	102.4	111.4	116.0	136.2	272.3	994.8	1949.0	2081.9	2146.0	2234.9
82.5°	73.2	77.6	94.5	100.1	105.8	151.9	446.7	1344.8	1586.7	1715.0	2027.9
85°	32.6	38.2	64.1	70.9	74.3	81.0	209.3	382.6	440.0	494.0	651.6
87.5°	5.6	5.6	10.2	14.6	21.3	20.2	46.1	65.3	66.4	77.6	86.6
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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CATALOG NUMBER: VXS-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1076.9	1076.9	1076.9	1075.9	1076.9	1076.9	1076.9	1076.9	1078.0	1078.0	1078.0
5°	1100.5	1098.3	1099.5	1099.5	1099.5	1098.3	1100.5	1099.5	1100.5	1103.9	1102.8
7.5°	1135.4	1137.7	1138.9	1140.0	1140.0	1140.0	1141.0	1143.3	1143.3	1146.7	1145.6
10°	1187.3	1186.1	1187.3	1190.6	1194.0	1195.1	1198.4	1197.3	1199.6	1204.1	1208.6
12.5°	1242.4	1244.6	1248.0	1251.4	1257.0	1258.1	1261.5	1262.6	1269.3	1269.3	1273.9
15°	1304.2	1305.4	1312.1	1313.3	1320.0	1322.3	1327.9	1330.2	1338.0	1339.2	1343.6
17.5°	1360.5	1362.8	1366.1	1369.5	1377.4	1380.7	1385.3	1389.7	1396.5	1398.8	1406.6
20°	1405.5	1410.1	1411.2	1417.9	1424.7	1429.1	1433.7	1438.1	1444.9	1448.3	1456.2
22.5°	1446.0	1450.6	1453.9	1459.6	1464.0	1470.8	1473.1	1480.9	1487.7	1493.3	1500.1
25°	1489.9	1496.7	1500.1	1510.2	1513.6	1520.3	1525.9	1533.8	1542.8	1549.5	1558.5
27.5°	1551.8	1562.0	1566.4	1577.7	1585.6	1588.9	1597.9	1609.2	1617.1	1625.0	1634.0
30°	1637.3	1656.5	1659.9	1667.8	1682.4	1684.6	1695.9	1704.9	1717.2	1725.1	1733.0
32.5°	1770.2	1793.8	1796.1	1805.0	1817.4	1821.9	1830.9	1841.0	1860.2	1863.5	1876.0
35°	1973.8	1983.9	1993.0	1996.3	2006.4	2012.1	2018.9	2030.1	2049.2	2046.9	2060.4
37.5°	2218.0	2221.3	2222.5	2211.3	2213.5	2203.4	2215.8	2218.0	2224.8	2230.4	2243.9
40°	2566.8	2532.0	2527.5	2500.4	2473.5	2458.9	2453.2	2430.7	2436.3	2438.5	2449.8
42.5°	3076.6	3009.1	2952.8	2914.6	2848.2	2815.5	2771.7	2736.8	2709.7	2719.9	2724.4
45°	3722.6	3625.8	3535.8	3418.8	3332.1	3270.2	3192.5	3122.8	3091.3	3076.6	3094.6
47.5°	4367.4	4281.9	4176.1	4055.6	3918.3	3816.0	3686.5	3572.8	3494.1	3464.9	3480.6
50°	4924.5	4845.6	4765.7	4694.8	4535.0	4423.6	4246.9	4099.6	3975.8	3912.7	3895.9
52.5°	5386.9	5345.3	5302.5	5242.9	5114.6	5003.2	4862.5	4717.3	4553.1	4424.8	4380.8
55°	5799.9	5824.7	5803.3	5804.5	5753.8	5682.9	5563.6	5455.5	5340.7	5195.6	5134.8
57.5°	6402.0	6548.3	6577.5	6650.7	6686.6	6724.9	6758.7	6694.5	6665.3	6557.2	6558.3
60°	7350.6	7564.5	7750.1	7918.9	8057.3	8192.3	8334.1	8397.1	8466.9	8499.6	8611.0
62.5°	8360.0	8563.7	8840.5	9066.7	9193.9	9369.4	9523.6	9623.7	9746.4	9877.0	10046.8
65°	8609.8	8855.1	9029.5	9180.4	9306.4	9399.8	9484.2	9603.5	9705.9	9913.0	10113.3
67.5°	7969.5	8165.3	8325.1	8473.7	8571.6	8650.4	8725.7	8804.6	8980.1	9168.0	9369.4
70°	6840.8	7077.1	7341.6	7534.0	7582.4	7649.9	7722.0	7824.4	7912.1	8109.0	8262.1
72.5°	5496.1	5836.0	6059.9	6326.5	6383.9	6486.3	6526.8	6606.7	6622.5	6729.4	6769.9
75°	3830.6	4220.0	4445.0	4640.8	4679.1	4622.8	4645.3	4362.9	4290.9	4232.3	4185.1
77.5°	2528.6	2633.3	2669.2	2637.7	2486.9	2368.8	2242.8	2119.0	2132.4	2032.3	1856.8
80°	2248.4	2272.0	2239.4	2207.9	2121.2	1997.4	1883.8	1767.9	1710.5	1649.7	1559.7
82.5°	2187.7	2278.8	2288.9	2250.7	2182.0	2046.9	1909.6	1737.5	1591.2	1456.2	1318.9
85°	731.5	890.2	961.0	1027.5	1047.7	1071.3	990.3	880.0	747.3	658.3	515.4
87.5°	93.4	116.0	133.9	114.8	133.9	157.5	113.7	127.2	128.3	79.9	59.7
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1079.2	1078.0	1078.0	1078.0	1076.9	1078.0	1078.0	1078.0	1078.0	1078.0	1076.9
5°	1103.9	1103.9	1107.4	1108.4	1106.2	1105.1	1106.2	1107.4	1107.4	1106.2	1107.4
7.5°	1150.1	1151.2	1153.5	1156.8	1154.6	1155.8	1156.8	1155.8	1159.1	1160.2	1159.1
10°	1208.6	1210.9	1216.5	1217.6	1216.5	1220.9	1222.1	1219.9	1222.1	1222.1	1226.6
12.5°	1276.2	1278.3	1285.1	1287.4	1289.6	1290.8	1294.1	1295.2	1298.7	1300.8	1304.2
15°	1349.2	1351.5	1356.1	1363.9	1366.1	1368.4	1370.7	1377.4	1378.5	1383.0	1386.4
17.5°	1411.2	1414.5	1421.2	1426.9	1430.3	1436.0	1438.1	1446.0	1448.3	1455.0	1460.6
20°	1460.6	1466.3	1471.9	1478.7	1484.2	1491.1	1493.3	1501.1	1505.7	1509.0	1515.9
22.5°	1505.7	1512.4	1520.3	1528.2	1532.6	1541.7	1545.1	1548.4	1558.5	1563.1	1569.8
25°	1564.1	1571.0	1580.0	1590.1	1594.6	1605.8	1609.2	1614.8	1626.1	1630.6	1640.7
27.5°	1644.1	1653.1	1659.9	1669.9	1675.6	1683.5	1691.4	1698.1	1708.2	1715.0	1726.2
30°	1744.2	1751.0	1762.3	1770.2	1779.2	1790.4	1799.4	1806.1	1811.8	1821.9	1834.3
32.5°	1891.7	1892.7	1896.2	1915.3	1924.2	1933.3	1945.7	1951.3	1960.3	1970.5	1983.9
35°	2075.1	2085.2	2093.1	2102.1	2112.2	2122.4	2126.8	2143.7	2151.6	2165.1	2178.7
37.5°	2257.4	2258.5	2276.5	2282.2	2291.2	2301.2	2317.0	2333.9	2354.2	2367.7	2389.0
40°	2453.2	2462.2	2484.7	2496.0	2507.3	2532.0	2544.4	2571.4	2605.1	2624.2	2660.3
42.5°	2736.8	2750.3	2790.8	2808.8	2835.9	2876.3	2902.2	2939.4	2952.8	2999.0	3015.9
45°	3108.2	3149.7	3208.3	3246.5	3294.9	3338.9	3361.3	3378.2	3398.4	3434.5	3429.9
47.5°	3509.8	3563.9	3629.1	3708.0	3739.5	3791.2	3820.4	3853.1	3835.1	3826.1	3817.1
50°	3921.8	3984.8	4071.4	4142.3	4190.7	4222.2	4246.9	4242.5	4204.2	4183.9	4127.7
52.5°	4379.8	4416.9	4499.1	4559.8	4589.0	4595.9	4590.2	4556.5	4520.4	4456.3	4389.8
55°	5082.0	5065.1	5097.7	5125.8	5116.8	5148.4	5067.4	5035.9	4946.9	4863.6	4774.7
57.5°	6508.8	6531.4	6349.0	6266.9	6252.3	6281.6	6138.7	6120.6	5905.7	5878.7	5729.0
60°	8595.2	8705.5	8562.6	8482.7	8266.6	8195.8	8036.0	7969.5	7763.6	7597.0	7386.6
62.5°	10163.9	10264.0	10323.7	10210.1	10084.0	9898.3	9656.4	9388.6	9170.3	8914.8	8692.0
65°	10305.7	10508.3	10645.5	10698.4	10609.5	10405.8	10107.7	9770.1	9435.9	9115.1	8833.8
67.5°	9642.9	9824.0	10036.8	10226.9	10238.1	10105.4	9851.1	9507.9	9121.9	8725.7	8396.1
70°	8504.0	8731.4	8917.0	9117.3	9256.9	9180.4	9053.2	8738.1	8337.5	8029.1	7649.9
72.5°	6916.3	7011.9	7056.9	7253.8	7256.1	7116.6	7026.5	6852.1	6529.1	6310.8	6021.6
75°	4038.8	3828.4	3604.4	3409.7	3251.1	3184.7	2889.8	2840.3	2642.3	2519.6	2339.6
77.5°	1665.5	1477.5	1235.6	1034.2	835.0	745.0	614.4	557.0	482.8	450.2	428.7
80°	1428.1	1250.3	1068.0	893.5	738.2	582.9	453.5	352.2	276.8	235.2	218.3
82.5°	1165.8	1059.0	931.8	837.2	715.8	599.8	506.4	392.7	293.7	216.1	165.4
85°	420.8	345.5	277.9	255.4	203.7	167.7	140.6	120.4	99.1	78.8	69.7
87.5°	47.3	45.0	25.9	24.8	28.1	20.2	23.6	21.3	18.0	15.8	16.9
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1076.9	1076.9	1078.0	1078.0	1079.2	1080.3	1082.6	1081.5	1081.5	1082.6	1082.6
5°	1107.4	1110.7	1109.5	1109.5	1109.5	1110.7	1111.8	1107.4	1102.8	1098.3	1096.1
7.5°	1160.2	1162.5	1164.7	1162.5	1164.7	1163.6	1161.3	1148.9	1134.3	1116.3	1103.9
10°	1228.8	1228.8	1231.1	1229.9	1234.5	1231.1	1224.4	1196.2	1164.7	1126.4	1098.3
12.5°	1303.1	1311.0	1307.7	1308.7	1317.7	1308.7	1293.0	1251.4	1195.1	1133.2	1083.7
15°	1390.9	1394.3	1396.5	1393.2	1398.8	1390.9	1362.8	1296.4	1214.2	1127.6	1054.4
17.5°	1462.9	1464.0	1465.2	1467.5	1475.3	1466.3	1417.9	1327.9	1218.8	1101.7	1004.9
20°	1519.2	1524.8	1529.3	1529.3	1540.5	1527.0	1462.9	1343.6	1204.1	1059.0	941.9
22.5°	1577.7	1582.2	1587.9	1588.9	1603.6	1590.1	1500.1	1340.2	1165.8	998.1	868.7
25°	1649.7	1654.2	1658.8	1664.4	1684.6	1665.5	1537.2	1326.7	1113.0	926.1	789.9
27.5°	1733.0	1743.1	1746.5	1755.5	1779.2	1749.8	1568.7	1306.5	1054.4	842.9	706.7
30°	1844.4	1856.8	1861.2	1873.7	1906.3	1842.2	1586.7	1271.6	980.1	758.4	617.8
32.5°	1994.1	2011.0	2024.5	2037.9	2075.1	1934.4	1588.9	1220.9	893.5	663.9	532.2
35°	2189.8	2215.8	2225.9	2234.9	2269.7	2034.6	1578.9	1145.6	787.8	567.2	464.8
37.5°	2409.3	2435.2	2442.0	2446.4	2453.2	2120.1	1554.1	1030.8	668.4	482.8	410.8
40°	2679.4	2701.9	2710.9	2704.1	2668.2	2186.5	1499.0	896.9	552.5	425.4	377.0
42.5°	3009.1	3042.9	3046.2	3015.9	2896.6	2223.6	1388.6	739.4	461.3	383.7	351.1
45°	3417.6	3415.3	3396.3	3374.8	3145.3	2209.0	1234.5	602.1	404.0	351.1	327.5
47.5°	3784.5	3746.2	3716.9	3653.9	3364.7	2123.5	1035.3	498.5	369.1	326.3	307.3
50°	4084.9	4015.1	3953.3	3884.6	3527.9	1971.6	837.2	423.1	336.5	305.0	288.1
52.5°	4322.4	4237.9	4165.9	4098.4	3685.4	1802.8	686.4	368.0	305.0	283.6	266.7
55°	4693.7	4609.3	4494.5	4420.3	3926.2	1647.5	588.5	324.0	274.6	261.0	244.1
57.5°	5633.4	5559.1	5421.8	5229.3	4545.2	1588.9	533.4	290.4	249.8	242.0	228.4
60°	7274.1	7153.7	6974.7	6779.0	5803.3	1628.3	489.5	266.7	233.0	226.2	216.1
62.5°	8511.9	8300.4	8097.8	7916.7	6809.3	1627.3	432.1	248.7	220.5	217.2	207.0
65°	8562.6	8347.7	8143.9	7953.8	6831.8	1448.3	364.6	233.0	218.3	217.2	200.3
67.5°	8108.0	7875.0	7678.0	7438.3	6324.4	1132.1	292.5	222.8	227.4	225.1	198.0
70°	7365.2	7061.3	6899.4	6663.0	5565.8	792.2	240.8	226.2	246.4	239.7	201.5
72.5°	5780.7	5551.2	5304.8	5140.5	4357.2	500.7	202.6	228.4	254.3	243.1	210.5
75°	2151.6	2213.5	2112.2	2076.3	2213.5	293.7	180.0	212.6	227.4	210.5	191.3
77.5°	434.4	415.2	393.9	389.3	503.0	181.1	165.4	184.6	174.4	154.2	155.3
80°	208.2	202.6	195.9	194.7	186.8	150.8	153.1	157.5	131.7	119.3	127.2
82.5°	138.4	130.6	128.3	123.8	126.0	135.0	145.2	135.0	101.2	94.5	114.8
85°	64.1	61.9	60.7	60.7	67.6	121.6	120.4	99.1	69.7	67.6	114.8
87.5°	15.8	15.8	16.9	15.8	18.0	36.0	31.5	30.4	25.9	29.2	54.0
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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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1073.6	1073.6	1073.6
2.5°	1081.5	1082.6	1081.5
5°	1091.6	1091.6	1091.6
7.5°	1091.6	1088.2	1087.0
10°	1075.9	1065.7	1065.7
12.5°	1048.8	1031.9	1029.6
15°	998.1	975.6	972.2
17.5°	934.0	903.6	898.0
20°	862.0	823.7	817.0
22.5°	783.2	739.4	736.0
25°	705.6	660.5	651.6
27.5°	619.0	575.0	570.6
30°	532.2	494.0	491.8
32.5°	459.2	435.5	431.0
35°	407.4	393.9	388.2
37.5°	373.6	363.5	362.4
40°	347.8	338.8	337.6
42.5°	326.3	318.4	317.3
45°	305.0	298.2	296.0
47.5°	283.6	276.8	275.8
50°	264.5	255.4	254.3
52.5°	246.4	237.4	235.2
55°	229.5	220.5	220.5
57.5°	214.9	205.9	204.8
60°	201.5	192.4	191.3
62.5°	191.3	180.0	179.0
65°	183.4	172.1	169.9
67.5°	179.0	165.4	162.1
70°	186.8	162.1	156.4
72.5°	188.0	158.7	150.8
75°	181.1	149.6	144.0
77.5°	158.7	133.9	128.3
80°	137.3	103.5	95.6
82.5°	130.6	84.4	73.2
85°	101.2	55.1	51.8
87.5°	57.4	30.4	24.8
90°	0.0	0.0	0.0

(END OF REPORT)