

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: STREETWORKS

Report Number: P165275

Luminaire Tested: **VST-E06-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165275
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E06-LED-E-U-SL3-HSS-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8675 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

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: 28.75 FT



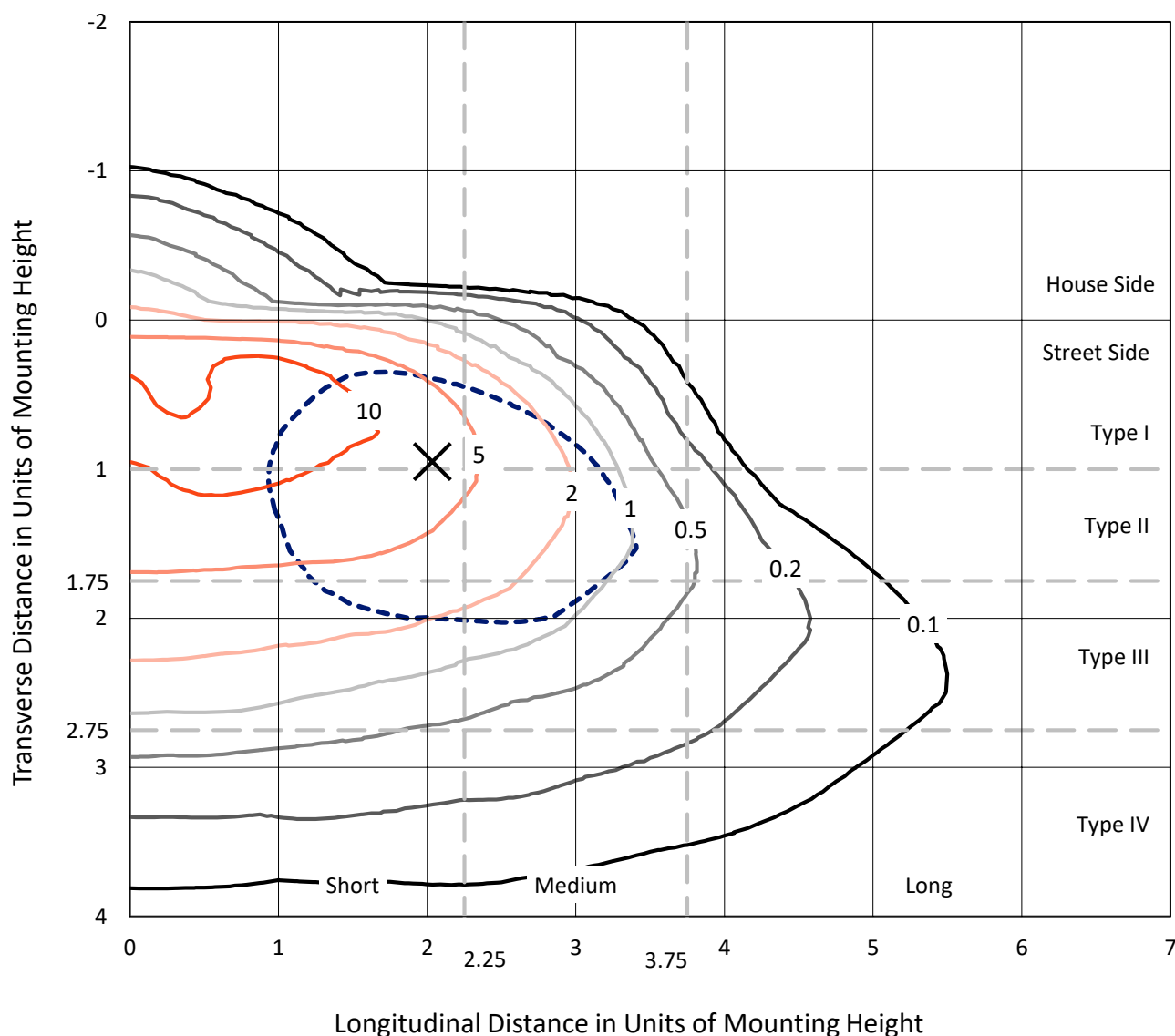
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

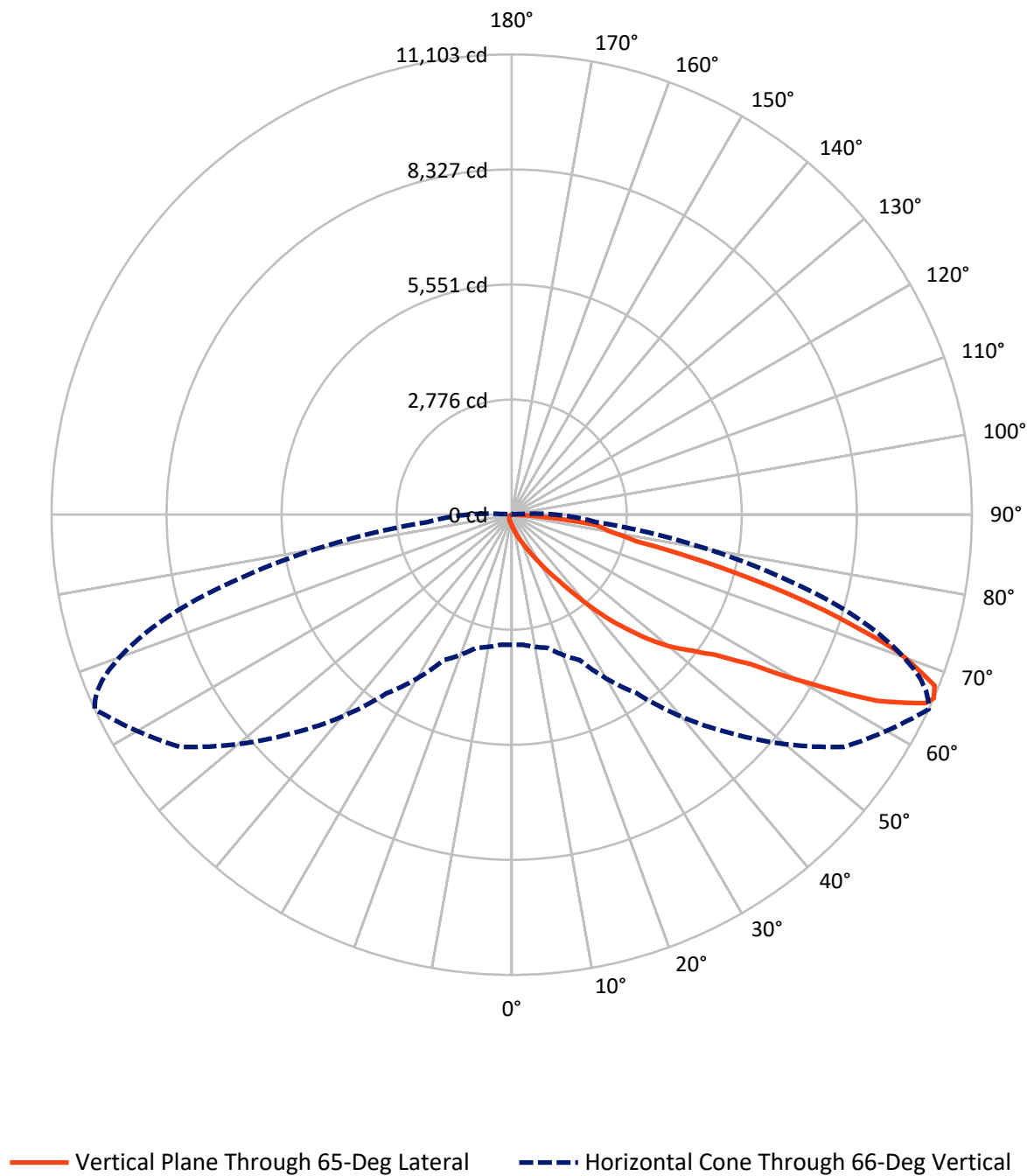


Based on 10 foot mounting height. Maximum calculated value = 14.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	188.0	0.0	188.0
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	8487.1	0.0	8487.1
	% Fixture	97.8	0.0	97.8
Total	Lumens	8675.0	0.0	8675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	0.3
10°-20°	124.3	1.4
20°-30°	268.1	3.1
30°-40°	572.5	6.6
40°-50°	1266.0	14.6
50°-60°	2145.5	24.7
60°-70°	2863.0	33.0
70°-80°	1261.1	14.5
80°-90°	145.3	1.7
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°	8675.0	100.0
0°-180°	8675.0	100.0

Coefficient of Utilization



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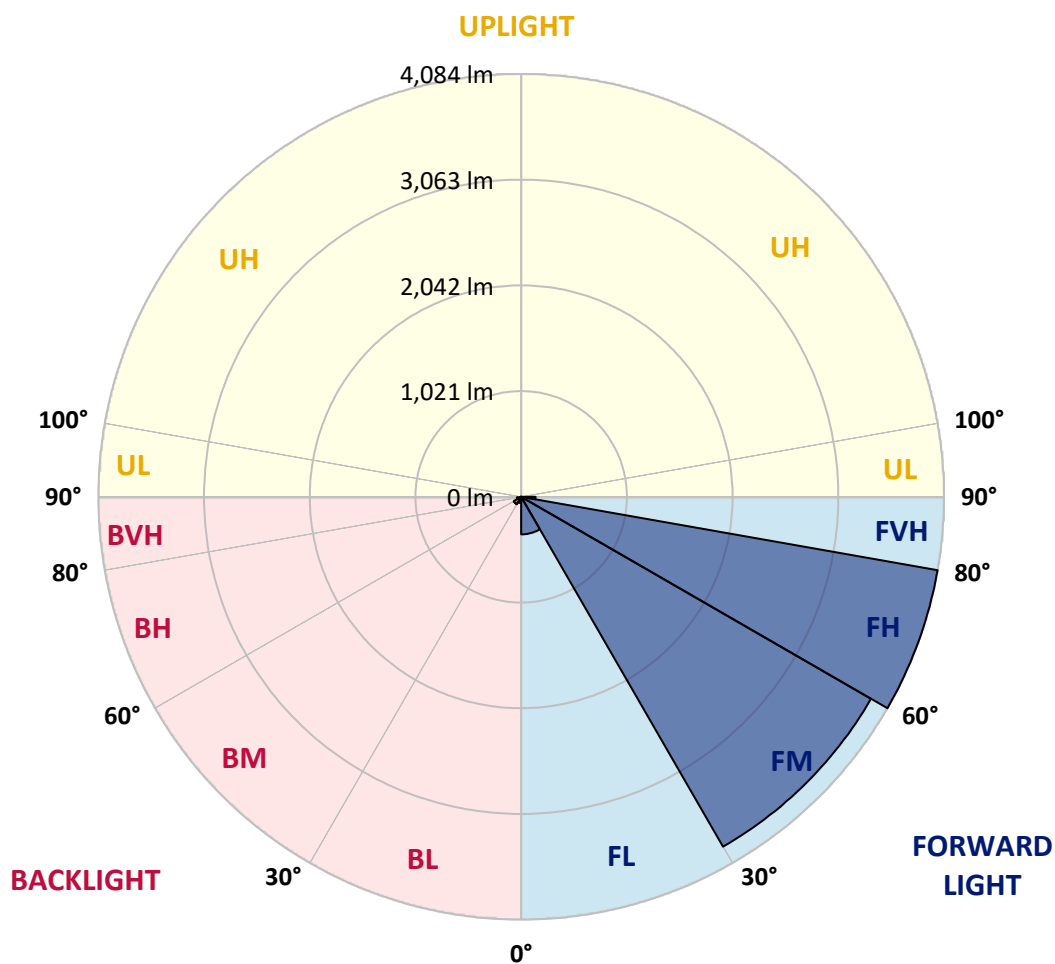
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.4	4.2			
FM	(30°-60°)	3901.4	45.0			
FH	(60°-80°)	4083.8	47.1			G2/5000
FVH	(80°-90°)	139.5	1.6			G2/225
BL	(0°-30°)	59.3	0.7	B0/110		
BM	(30°-60°)	82.6	1.0	B0/220		
BH	(60°-80°)	40.3	0.5	B0/110		G0/110
BVH	(80°-90°)	5.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8
2.5°	330.3	328.5	321.9	321.9	311.8	305.3	296.8	288.5	288.5	286.8	285.2
5°	436.9	427.0	425.3	406.9	391.9	370.3	350.2	323.6	320.2	316.9	315.2
7.5°	555.4	553.7	538.7	517.0	487.1	446.9	406.9	363.6	356.9	353.6	346.9
10°	708.9	700.4	680.5	643.7	598.8	545.4	480.4	411.9	403.6	396.9	393.6
12.5°	855.6	840.6	828.9	782.2	725.5	647.1	568.7	470.3	463.7	455.3	442.0
15°	992.3	979.0	959.0	919.0	855.6	757.2	665.5	545.4	528.7	517.0	507.0
17.5°	1099.1	1090.8	1067.4	1022.4	953.9	867.3	757.2	622.1	608.8	593.7	575.4
20°	1200.9	1189.1	1152.5	1090.8	1017.3	950.6	865.6	722.1	703.8	685.5	665.5
22.5°	1297.6	1285.8	1225.9	1124.1	1045.7	1017.3	987.4	835.6	807.2	792.2	772.2
25°	1432.7	1407.7	1314.2	1152.5	1047.4	1069.1	1120.8	982.3	955.7	934.0	902.3
27.5°	1614.5	1581.1	1434.3	1194.2	1054.0	1125.8	1274.2	1160.8	1132.4	1107.4	1072.4
30°	1819.6	1797.9	1622.8	1294.2	1102.4	1209.2	1446.0	1387.6	1354.3	1324.2	1282.6
32.5°	2026.4	1996.4	1822.9	1484.3	1232.5	1370.9	1661.2	1651.2	1607.8	1579.4	1534.4
35°	2208.2	2193.2	2064.8	1796.2	1529.4	1654.5	1948.0	1959.6	1921.4	1891.3	1841.3
37.5°	2331.6	2331.6	2306.6	2131.4	2001.4	2094.8	2369.9	2371.6	2333.3	2264.9	2239.9
40°	2394.9	2413.3	2503.4	2536.7	2530.0	2650.2	2923.7	2893.6	2861.9	2826.9	2743.5
42.5°	2525.1	2541.7	2733.5	2963.7	3113.8	3272.2	3460.7	3450.7	3412.4	3349.0	3272.2
45°	2745.3	2766.9	2995.4	3360.6	3669.1	3894.4	4014.4	3967.7	3929.3	3869.4	3829.3
47.5°	3025.4	3067.1	3325.6	3777.6	4149.5	4521.4	4646.5	4523.1	4489.8	4443.0	4378.0
50°	3324.0	3364.0	3639.2	4156.2	4576.5	5020.1	5228.6	5020.1	4971.8	4956.7	4883.4
52.5°	3582.4	3615.9	3881.0	4448.1	4903.3	5423.7	5727.2	5452.0	5417.0	5367.0	5313.6
55°	3735.9	3762.6	4011.1	4588.1	5125.2	5787.3	6209.3	5967.5	5915.7	5895.7	5819.0
57.5°	3787.6	3814.3	4037.8	4606.5	5245.2	6119.2	6794.7	6803.0	6741.3	6669.6	6646.2
60°	3787.6	3817.6	4006.1	4561.5	5362.0	6472.7	7575.2	8270.6	8137.3	8123.9	8038.8
62.5°	3630.8	3659.2	3849.3	4423.1	5518.8	6949.8	8662.6	9890.1	9851.8	9765.0	9624.9
65°	3290.6	3307.3	3494.0	4069.5	5458.7	7388.4	9604.9	10967.5	10905.8	10735.7	10555.6
66°	3137.1	3150.5	3325.6	3867.6	5261.9	7448.5	9771.7	11102.6	11000.9	10857.4	10653.9
67.5°	2915.3	2938.7	3062.1	3492.4	4790.0	7239.9	9666.7	11007.6	10919.2	10745.7	10542.2
70°	1946.4	1929.7	2365.0	2680.1	3649.2	5899.1	8672.6	9883.4	9885.1	9803.4	9721.7
72.5°	924.0	934.0	1060.7	1649.4	2388.3	3941.1	6903.1	7888.7	8002.1	7855.4	7753.6
75°	663.8	678.8	755.5	1009.0	1424.3	2365.0	4474.7	5517.1	5520.4	5260.2	5028.5
77.5°	193.4	201.8	283.5	622.1	1067.4	1596.1	2570.1	3067.1	2995.4	2808.6	2633.5
80°	80.0	80.0	83.4	198.5	428.6	1084.1	1797.9	2361.6	2353.3	2281.6	2178.2
82.5°	30.0	31.7	40.0	81.7	101.8	266.9	1199.1	2049.8	2044.7	1943.0	1869.6
85°	3.3	3.3	10.0	35.0	38.4	50.0	240.1	903.9	899.0	903.9	792.2
87.5°	0.0	0.0	1.6	3.3	5.0	6.7	10.0	35.0	38.4	36.7	33.3
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8
2.5°	285.2	281.9	281.9	280.2	280.2	280.2	278.5	276.9	276.9	275.2	273.6
5°	311.8	308.5	306.9	303.5	301.9	300.2	296.8	295.2	291.9	290.2	288.5
7.5°	343.5	336.9	335.2	330.3	325.2	321.9	318.5	313.6	310.2	303.5	301.9
10°	383.6	375.2	368.6	361.9	356.9	348.6	343.5	336.9	330.3	325.2	320.2
12.5°	435.3	423.6	413.6	406.9	395.3	385.3	375.2	370.3	356.9	350.2	341.9
15°	492.0	478.6	467.0	453.6	445.3	428.6	415.2	400.3	393.6	381.9	368.6
17.5°	565.3	543.7	525.3	512.1	495.4	478.6	463.7	448.7	428.6	415.2	398.6
20°	643.7	625.4	600.4	577.1	557.0	537.1	515.3	495.4	477.0	455.3	435.3
22.5°	743.9	717.2	687.2	663.8	637.1	615.5	585.4	558.8	528.7	500.3	477.0
25°	870.6	835.6	807.2	773.9	742.2	708.9	672.1	638.8	600.4	573.7	533.7
27.5°	1027.4	994.1	955.7	912.3	880.6	830.6	782.2	740.6	695.5	653.8	608.8
30°	1227.5	1179.2	1139.1	1097.5	1034.1	985.6	928.9	872.3	810.5	768.9	700.4
32.5°	1467.6	1416.0	1355.9	1295.9	1237.5	1169.2	1099.1	1029.0	960.6	884.0	813.9
35°	1761.2	1699.5	1631.1	1566.1	1476.0	1402.6	1314.2	1217.5	1140.8	1052.4	964.0
37.5°	2149.8	2048.1	1988.0	1919.6	1797.9	1697.8	1599.4	1502.7	1367.6	1274.2	1149.1
40°	2636.8	2576.7	2478.4	2368.3	2258.2	2126.5	1993.1	1864.6	1707.9	1577.7	1432.7
42.5°	3208.8	3120.5	3020.4	2861.9	2750.2	2595.1	2443.4	2273.2	2081.4	1914.7	1744.5
45°	3745.9	3640.9	3564.1	3405.7	3288.9	3105.4	2922.0	2741.9	2520.0	2304.9	2108.1
47.5°	4326.3	4239.5	4112.8	3984.4	3866.0	3659.2	3460.7	3242.2	3008.7	2753.6	2498.3
50°	4836.7	4768.3	4681.5	4526.5	4394.7	4221.2	3987.8	3749.2	3454.0	3200.5	2910.4
52.5°	5270.3	5216.9	5095.1	4985.0	4866.7	4703.2	4494.8	4266.3	3947.8	3669.1	3339.0
55°	5782.3	5743.9	5637.2	5568.8	5463.8	5307.0	5111.9	4900.1	4563.1	4259.6	3886.0
57.5°	6621.2	6591.2	6497.8	6469.4	6366.0	6229.3	5989.1	5762.3	5368.7	4991.7	4564.8
60°	8010.5	7950.5	7813.7	7743.7	7525.1	7341.7	7029.9	6717.9	6242.6	5762.3	5248.6
62.5°	9498.1	9329.7	9069.5	8846.1	8535.9	8217.3	7800.3	7323.4	6766.3	6195.9	5605.5
65°	10300.4	10013.5	9685.0	9329.7	8927.8	8459.1	7933.8	7361.8	6763.0	6160.9	5537.1
66°	10392.1	10068.5	9720.0	9324.7	8877.8	8379.1	7845.4	7245.0	6622.8	6035.8	5412.0
67.5°	10277.1	9938.5	9569.9	9131.3	8647.6	8130.6	7570.2	6946.4	6347.7	5752.2	5145.2
70°	9471.5	9134.5	8806.0	8344.1	7828.7	7308.4	6778.0	6080.9	5513.8	4966.7	4426.4
72.5°	7563.5	7335.0	7009.8	6614.5	6112.5	5502.1	5060.1	4436.4	3944.4	3414.0	2995.4
75°	4726.6	4404.7	4002.7	3499.1	3115.4	2620.1	2361.6	1887.9	1607.8	1362.6	1125.8
77.5°	2416.6	2174.9	1893.0	1609.4	1337.6	1067.4	825.5	583.8	393.6	273.6	203.5
80°	1996.4	1782.9	1549.4	1290.9	1050.8	815.6	587.1	400.3	255.2	166.8	130.0
82.5°	1649.4	1469.4	1260.8	1020.7	812.3	640.5	445.3	290.2	180.1	116.8	91.8
85°	702.2	637.1	492.0	390.2	293.5	216.8	151.8	101.8	71.7	58.3	53.4
87.5°	30.0	33.3	31.7	25.0	18.3	18.3	16.7	13.4	13.4	13.4	13.4
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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CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8
2.5°	273.6	271.8	270.2	270.2	268.5	266.9	256.8	248.5	238.5	231.8	225.1
5°	285.2	283.5	280.2	278.5	275.2	273.6	251.9	233.4	218.5	206.8	198.5
7.5°	296.8	295.2	290.2	285.2	283.5	280.2	245.2	221.8	201.8	188.5	180.1
10°	311.8	306.9	301.9	295.2	290.2	285.2	238.5	208.4	186.8	175.1	166.8
12.5°	333.5	325.2	316.9	308.5	301.9	293.5	235.2	196.8	175.1	161.7	153.4
15°	358.6	346.9	336.9	326.9	315.2	306.9	228.5	186.8	165.1	151.8	141.8
17.5°	381.9	368.6	353.6	338.6	326.9	315.2	221.8	176.8	155.1	141.8	131.8
20°	415.2	395.3	377.0	358.6	341.9	326.9	211.8	166.8	146.8	131.8	121.7
22.5°	452.0	428.6	405.3	380.3	358.6	338.6	203.5	158.4	138.4	123.5	111.7
25°	498.7	470.3	438.6	406.9	381.9	355.3	195.2	150.1	130.0	115.1	103.4
27.5°	563.7	523.7	488.7	448.7	410.3	380.3	188.5	143.4	121.7	106.7	95.1
30°	652.1	593.7	538.7	495.4	450.3	406.9	181.8	135.1	115.1	98.4	85.1
32.5°	750.5	682.1	618.7	553.7	497.0	446.9	175.1	128.4	106.7	90.0	78.4
35°	872.3	785.5	700.4	625.4	557.0	490.3	168.4	121.7	100.1	81.7	70.1
37.5°	1047.4	939.0	827.2	730.5	642.1	553.7	163.5	115.1	91.8	73.4	61.7
40°	1287.6	1147.5	1010.7	878.9	763.8	653.8	156.8	108.4	85.1	66.7	55.0
42.5°	1547.7	1377.6	1197.5	1049.0	890.6	752.2	150.1	101.8	78.4	60.1	48.4
45°	1871.3	1659.5	1441.0	1239.1	1045.7	867.3	143.4	95.1	70.1	53.4	41.7
47.5°	2224.9	1954.7	1707.9	1454.4	1224.2	1010.7	135.1	90.0	63.4	46.7	36.7
50°	2588.5	2303.3	1991.3	1702.8	1429.3	1154.2	126.8	81.7	56.7	41.7	30.0
52.5°	2980.3	2643.5	2325.0	1966.3	1647.8	1342.6	118.4	75.0	51.7	36.7	25.0
55°	3479.0	3102.2	2728.6	2326.6	1943.0	1561.1	110.1	66.7	45.1	31.7	20.1
57.5°	4106.2	3659.2	3200.5	2746.9	2281.6	1847.9	103.4	58.3	38.4	26.6	16.7
60°	4698.2	4176.2	3620.8	3098.8	2573.4	2068.1	93.4	51.7	33.3	21.7	16.7
62.5°	5005.1	4409.7	3810.9	3235.6	2675.2	2146.5	83.4	43.3	28.4	18.3	15.0
65°	4930.1	4323.0	3742.6	3162.1	2613.5	2096.5	73.4	38.4	25.0	16.7	15.0
66°	4821.7	4221.2	3637.5	3085.5	2561.7	2043.1	68.4	36.7	23.4	16.7	13.4
67.5°	4584.8	4004.4	3447.3	2933.6	2420.0	1941.3	61.7	33.3	21.7	15.0	13.4
70°	3916.1	3389.0	2943.7	2486.7	2068.1	1636.2	50.0	28.4	18.3	13.4	13.4
72.5°	2591.7	2233.2	1936.4	1666.1	1392.6	1080.7	41.7	23.4	15.0	13.4	11.6
75°	977.3	884.0	758.9	682.1	595.4	522.0	33.3	15.0	11.6	11.6	11.6
77.5°	173.5	160.1	141.8	130.0	120.1	110.1	26.6	10.0	10.0	11.6	11.6
80°	116.8	108.4	98.4	90.0	83.4	75.0	18.3	8.3	10.0	10.0	11.6
82.5°	83.4	78.4	73.4	66.7	61.7	55.0	11.6	8.3	10.0	10.0	10.0
85°	50.0	46.7	43.3	40.0	35.0	33.3	8.3	8.3	8.3	10.0	10.0
87.5°	13.4	11.6	13.4	13.4	10.0	11.6	6.7	6.7	6.7	8.3	8.3
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):

	145°	155°	165°	175°	180°
0°	261.8	261.8	261.8	261.8	261.8
2.5°	221.8	221.8	218.5	223.5	223.5
5°	191.8	191.8	190.1	191.8	191.8
7.5°	175.1	173.5	173.5	173.5	175.1
10°	160.1	158.4	158.4	158.4	158.4
12.5°	146.8	145.1	143.4	145.1	145.1
15°	135.1	131.8	131.8	131.8	131.8
17.5°	125.1	121.7	120.1	120.1	120.1
20°	115.1	110.1	110.1	110.1	110.1
22.5°	105.0	100.1	100.1	100.1	100.1
25°	95.1	90.0	90.0	90.0	90.0
27.5°	86.7	81.7	81.7	81.7	81.7
30°	76.8	73.4	73.4	75.0	73.4
32.5°	70.1	65.0	65.0	66.7	66.7
35°	61.7	58.3	58.3	58.3	58.3
37.5°	53.4	50.0	50.0	50.0	50.0
40°	46.7	43.3	41.7	43.3	43.3
42.5°	40.0	36.7	35.0	35.0	35.0
45°	35.0	30.0	28.4	30.0	30.0
47.5°	28.4	25.0	25.0	26.6	26.6
50°	21.7	21.7	23.4	26.6	26.6
52.5°	20.1	20.1	23.4	26.6	26.6
55°	18.3	20.1	23.4	25.0	26.6
57.5°	16.7	20.1	23.4	25.0	25.0
60°	16.7	18.3	21.7	25.0	25.0
62.5°	15.0	16.7	20.1	23.4	23.4
65°	15.0	16.7	20.1	23.4	23.4
66°	15.0	16.7	20.1	23.4	23.4
67.5°	15.0	16.7	20.1	23.4	23.4
70°	15.0	16.7	20.1	21.7	21.7
72.5°	13.4	15.0	18.3	21.7	21.7
75°	13.4	15.0	18.3	21.7	21.7
77.5°	13.4	15.0	18.3	21.7	21.7
80°	13.4	15.0	18.3	20.1	21.7
82.5°	11.6	15.0	16.7	20.1	20.1
85°	11.6	13.4	16.7	18.3	20.1
87.5°	10.0	11.6	13.4	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)