

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: P165068

Luminaire Tested: **VST-E07-LED-E-U-SL2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165068
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E07-LED-E-U-SL2-HSS-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (147) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13012.7 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

Input Watts (W): 172.5
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

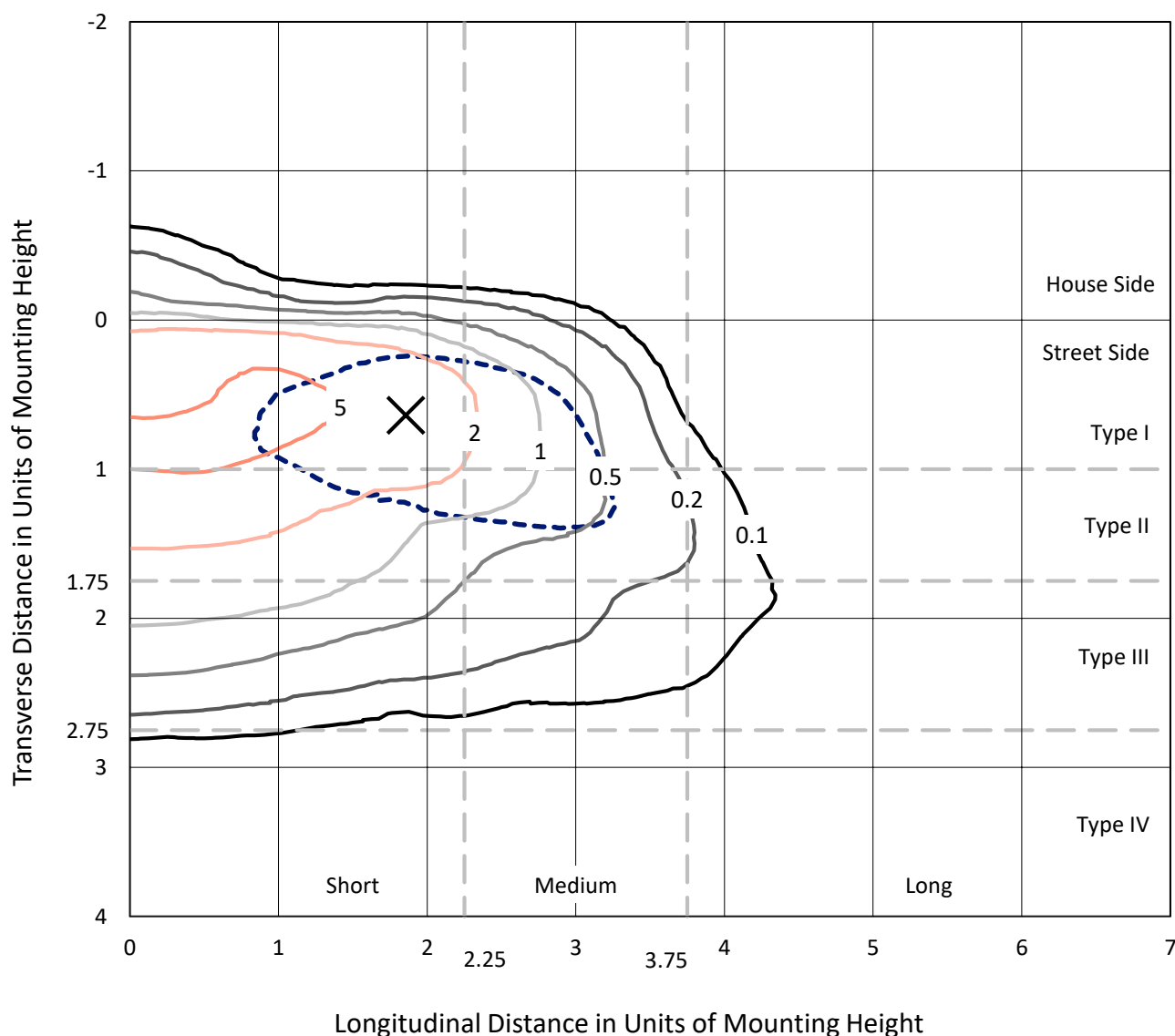


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

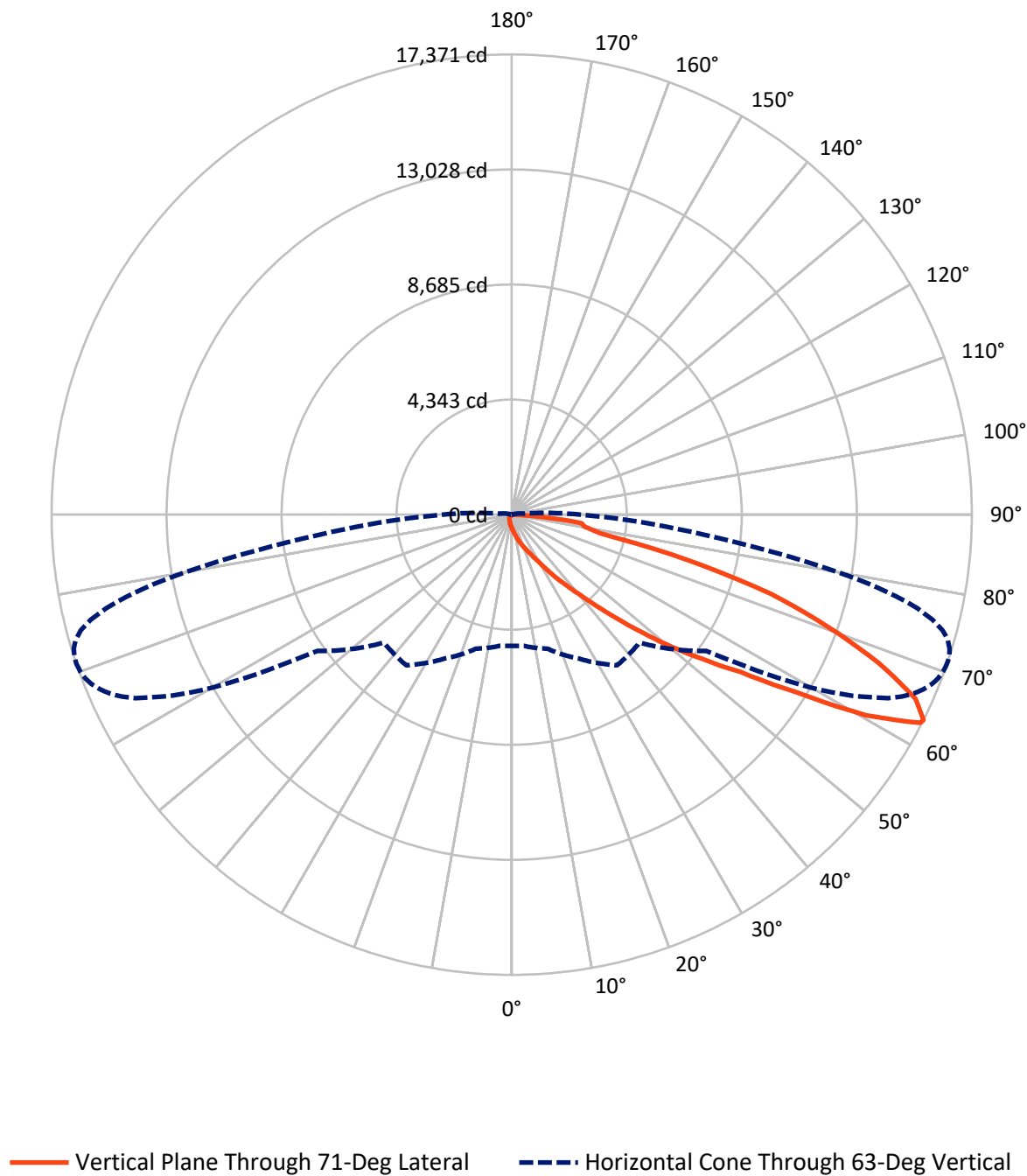


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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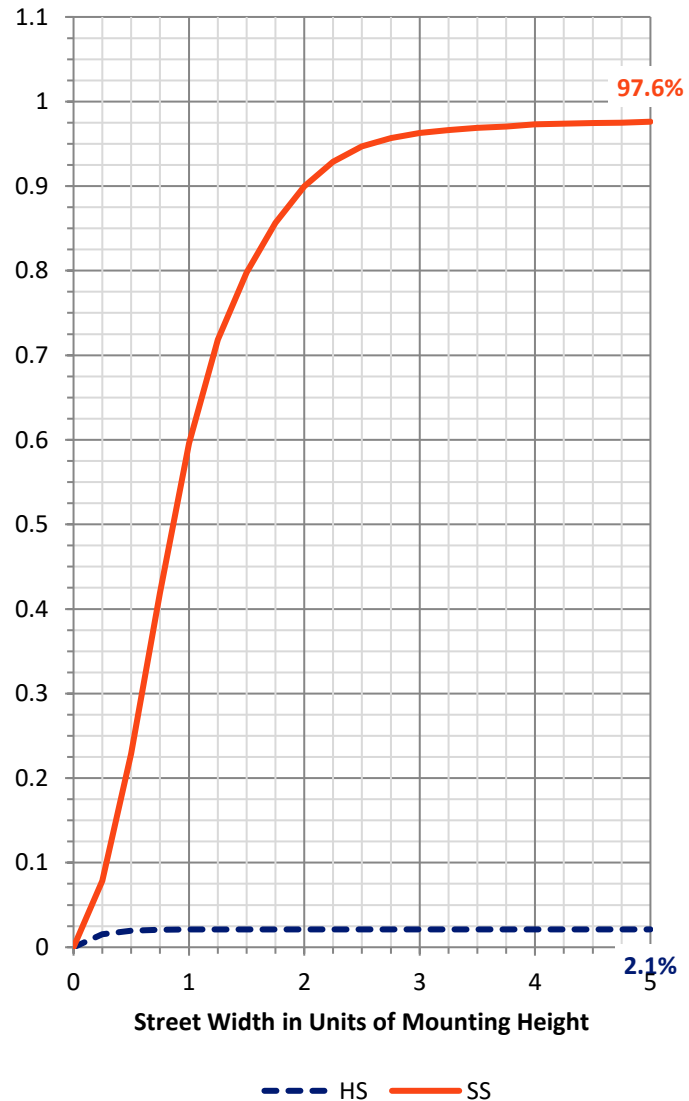
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	276.3	0.0	276.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	12736.4	0.0	12736.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	13012.7	0.0	13012.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	0.4
10°-20°	214.0	1.6
20°-30°	434.6	3.3
30°-40°	1061.8	8.2
40°-50°	2374.6	18.2
50°-60°	3338.9	25.7
60°-70°	3926.3	30.2
70°-80°	1417.8	10.9
80°-90°	189.6	1.5
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°	13012.7	100.0
0°-180°	13012.7	100.0

Coefficient of Utilization



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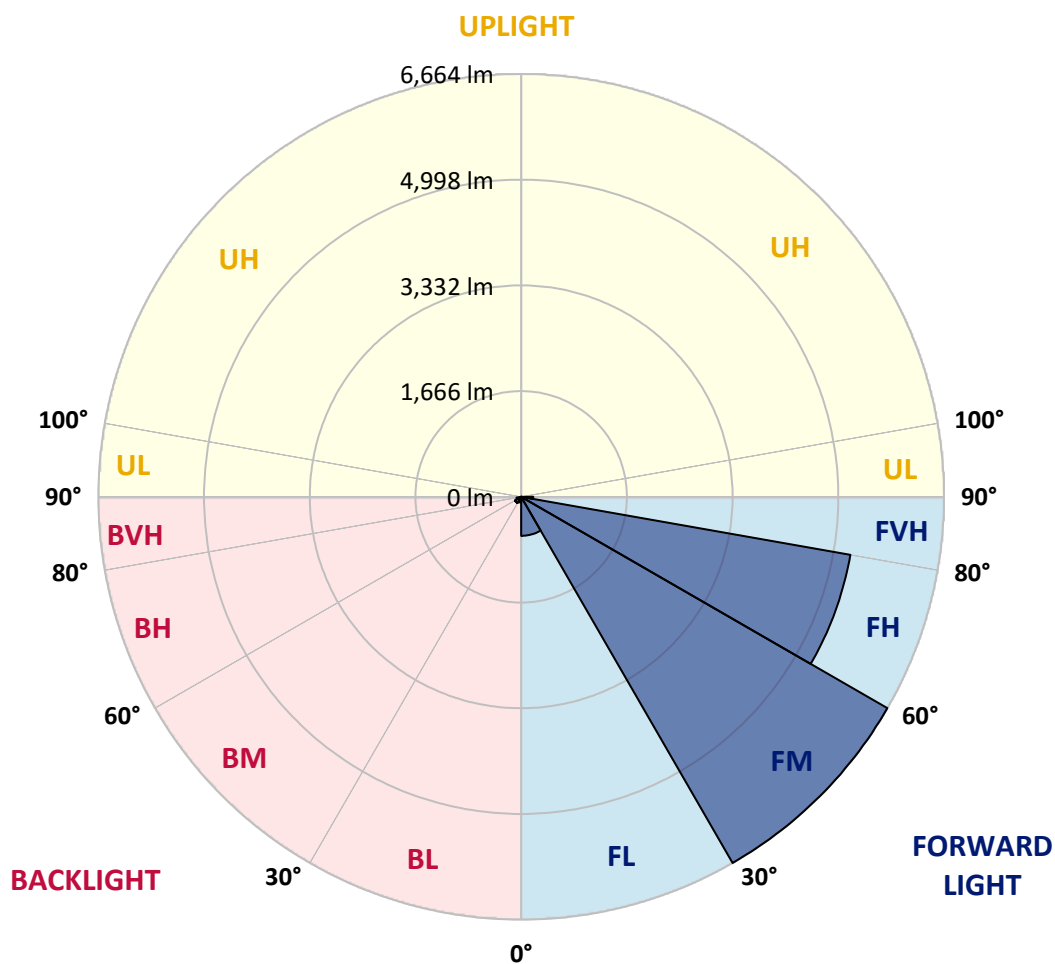
CATALOG NUMBER: VST-E07-LED-E-U-SL2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	614.9	4.7			
FM	(30°-60°)	6664.0	51.2			
FH	(60°-80°)	5268.3	40.5			G3/7500
FVH	(80°-90°)	189.2	1.5			G2/225
BL	(0°-30°)	88.8	0.7	B0/110		
BM	(30°-60°)	111.3	0.9	B0/220		
BH	(60°-80°)	75.7	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2
2.5°	652.9	659.9	655.2	643.4	629.2	610.4	593.7	593.7	591.4	584.2	586.7
5°	856.3	858.8	849.3	820.8	794.8	754.6	709.7	704.9	700.2	693.1	690.8
7.5°	1055.1	1064.5	1055.1	1024.3	972.3	910.8	839.8	832.8	818.5	818.5	809.1
10°	1258.6	1258.6	1249.1	1213.6	1166.2	1078.7	988.8	977.0	960.5	955.7	941.5
12.5°	1402.8	1402.8	1398.0	1379.2	1341.3	1263.3	1154.4	1142.6	1121.4	1114.2	1097.7
15°	1459.5	1459.5	1462.0	1478.5	1480.9	1445.5	1331.8	1322.3	1301.1	1282.1	1275.1
17.5°	1495.0	1492.7	1492.7	1516.4	1558.9	1582.6	1509.2	1499.8	1476.2	1466.7	1443.0
20°	1573.2	1568.4	1554.2	1554.2	1594.4	1677.2	1677.2	1674.9	1648.9	1641.7	1629.9
22.5°	1689.1	1684.4	1641.7	1606.2	1625.2	1729.3	1826.3	1821.5	1812.1	1802.6	1795.5
25°	1878.3	1861.8	1788.4	1684.4	1667.8	1779.0	1939.8	1951.7	1958.7	1958.7	1963.5
27.5°	2164.6	2143.3	2013.2	1819.2	1745.8	1859.3	2065.2	2088.9	2110.1	2114.9	2136.1
30°	2561.9	2524.2	2337.3	2053.4	1885.5	1977.7	2249.8	2275.8	2306.5	2316.0	2349.0
32.5°	3214.8	3193.6	3013.9	2587.9	2228.4	2209.6	2507.6	2540.7	2580.9	2597.4	2637.6
35°	4208.5	4213.3	4066.6	3683.3	3186.5	2926.2	2968.9	2997.2	3011.4	3061.1	3082.4
37.5°	4882.7	4894.5	4927.6	4776.2	4421.4	4156.4	3822.8	3853.7	3780.3	3787.3	3789.8
40°	5251.7	5289.5	5483.6	5630.3	5601.8	5448.1	5180.8	5197.3	5060.1	5029.4	4880.2
42.5°	5497.7	5547.4	5857.4	6311.5	6543.3	6683.0	6621.5	6614.3	6507.8	6467.6	6342.2
45°	5651.5	5696.5	6086.8	6756.2	7290.9	7697.7	7865.7	7884.6	7794.7	7754.5	7650.5
47.5°	5644.3	5696.5	6115.1	6921.9	7709.7	8360.1	8833.3	8856.9	8911.3	8875.9	8882.9
50°	5332.2	5381.9	5802.9	6640.3	7586.6	8663.0	9528.8	9604.5	9692.0	9751.1	9779.6
52.5°	4953.6	4989.1	5362.9	6157.8	7061.3	8537.5	9940.3	10070.5	10200.6	10311.8	10389.8
55°	4814.0	4854.2	5147.6	5807.7	6640.3	8012.3	10132.0	10323.6	10508.2	10690.4	10839.3
57.5°	4887.4	4925.2	5135.8	5642.0	6389.6	7458.8	10186.4	10484.5	10787.3	11083.0	11376.3
60°	5157.1	5197.3	5377.1	5795.8	6323.4	7139.5	9973.5	10468.0	10971.8	11487.5	11972.5
62.5°	5050.6	5067.1	5332.2	6065.5	6796.5	6867.4	9199.9	9890.8	10659.6	11454.5	12237.4
63°	4948.9	4967.9	5237.5	5992.1	6940.8	6827.2	8961.0	9689.7	10501.0	11357.3	12209.1
65°	4487.6	4489.9	4695.8	5292.0	6779.9	6898.2	7896.6	8592.0	9524.0	10550.7	11627.1
67.5°	3349.7	3333.2	3531.9	3986.1	5322.7	6900.6	6777.5	7167.9	7816.1	8726.9	9692.0
70°	1187.6	1161.6	1483.2	2112.4	3316.6	5644.3	5824.2	5850.2	6030.1	6522.1	7127.7
72.5°	385.6	392.8	473.1	773.6	1528.2	3799.2	5273.0	5192.5	5145.3	5142.8	5223.3
75°	153.7	156.2	189.2	343.0	686.1	1831.0	4617.8	4662.6	4679.3	4702.8	4729.0
77.5°	73.3	80.4	106.4	191.6	340.6	906.0	3304.8	3685.6	3903.2	4071.3	4173.0
80°	26.0	30.7	59.2	118.2	158.5	416.3	1741.1	2100.7	2420.0	2831.7	3186.5
82.5°	0.0	0.0	11.8	82.7	87.5	167.9	714.4	837.4	958.0	1241.9	1594.4
85°	0.0	0.0	0.0	23.7	26.0	28.4	241.3	291.0	326.5	380.8	440.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	7.0	14.2	35.5	54.4
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2
2.5°	581.9	579.6	579.6	574.9	572.5	567.7	565.4	558.2	555.9	555.9	555.9
5°	688.4	678.9	674.2	662.4	655.2	652.9	641.1	636.4	629.2	631.6	619.7
7.5°	806.6	790.1	783.1	766.4	761.8	745.1	740.4	728.6	721.6	707.4	702.6
10°	936.8	915.5	903.7	877.6	870.5	858.8	844.5	830.3	818.5	804.3	797.3
12.5°	1085.9	1066.9	1057.4	1022.0	1005.4	988.8	970.0	951.0	932.0	920.3	903.7
15°	1260.9	1230.1	1220.6	1187.6	1159.2	1137.9	1111.9	1088.2	1074.0	1050.4	1033.7
17.5°	1433.5	1402.8	1395.7	1346.0	1315.3	1301.1	1272.8	1241.9	1215.9	1192.3	1166.2
20°	1606.2	1584.9	1566.0	1518.7	1485.7	1462.0	1424.0	1393.3	1372.0	1339.0	1305.8
22.5°	1779.0	1757.6	1743.5	1693.8	1663.1	1629.9	1596.9	1563.7	1532.9	1492.7	1454.9
25°	1956.4	1942.2	1935.0	1890.2	1861.8	1831.0	1797.8	1760.1	1722.1	1677.2	1637.1
27.5°	2140.9	2145.6	2131.4	2121.9	2091.2	2069.9	2017.9	1991.9	1963.5	1909.0	1859.3
30°	2375.0	2389.3	2384.5	2391.7	2372.7	2358.5	2318.3	2285.3	2252.1	2200.1	2143.3
32.5°	2670.8	2689.8	2699.1	2725.3	2715.8	2711.1	2699.1	2651.9	2628.2	2538.4	2514.7
35°	3127.4	3117.9	3158.1	3179.4	3169.9	3165.3	3151.1	3125.1	3096.6	3032.7	2973.7
37.5°	3721.1	3730.6	3744.8	3702.3	3673.8	3671.5	3628.9	3602.9	3562.6	3491.7	3420.7
40°	4809.3	4750.2	4684.0	4504.2	4426.1	4381.2	4255.8	4220.3	4151.6	4054.7	3981.4
42.5°	6224.0	6164.8	5966.1	5665.7	5504.9	5282.5	5180.8	5055.4	4958.4	4799.9	4714.7
45°	7629.2	7458.8	7435.1	7085.1	6886.4	6593.0	6410.9	6200.3	5980.3	5772.2	5620.8
47.5°	8814.4	8776.4	8660.7	8447.6	8263.2	8017.1	7782.9	7458.8	7231.7	6936.1	6664.0
50°	9762.9	9760.6	9718.0	9595.0	9441.3	9242.6	9036.7	8762.4	8504.5	8142.5	7851.6
52.5°	10472.7	10510.5	10524.7	10486.8	10427.8	10252.6	10148.6	9919.1	9701.4	9393.9	9079.3
55°	10993.0	11132.7	11203.6	11284.1	11267.6	11206.1	11201.3	11052.2	10953.0	10709.2	10486.8
57.5°	11636.6	11866.0	12086.0	12476.4	12490.5	12627.8	12698.8	12769.8	12788.6	12691.6	12618.3
60°	12455.0	12923.5	13339.8	14156.0	14368.9	14704.8	14922.4	15159.0	15360.0	15376.7	15371.9
62.5°	13032.2	13753.8	14425.7	15636.8	16050.8	16438.8	16729.7	16959.3	17098.8	17240.7	17307.0
63°	13048.9	13839.0	14553.4	15802.5	16237.7	16606.8	16883.6	17096.5	17243.2	17328.2	17370.9
65°	12649.1	13607.1	14458.7	15703.0	16112.3	16483.8	16628.0	16767.7	16838.6	16871.7	16746.3
67.5°	10721.1	11657.9	12651.4	14042.4	14392.5	14837.2	14955.6	15026.6	15059.6	15052.6	14946.1
70°	8017.1	8802.6	9907.3	11497.0	11960.7	12396.0	12665.6	12781.5	12819.3	12807.5	12649.1
72.5°	5597.1	6058.4	6969.1	8738.7	9370.3	9928.6	10262.1	10434.8	10470.3	10399.3	10252.6
75°	4700.5	4724.2	4929.9	5897.5	6488.9	7085.1	7461.1	7570.0	7499.1	7283.7	6910.1
77.5°	4196.6	4248.7	4248.7	4393.0	4508.9	4674.5	4710.0	4445.0	4137.5	3740.1	3418.4
80°	3520.1	3702.3	3830.0	3936.4	3948.2	3915.2	3827.5	3678.6	3442.0	3139.1	2803.3
82.5°	2138.6	2498.2	2644.8	3193.6	3463.2	3645.4	3631.3	3432.5	3252.8	2938.2	2651.9
85°	539.4	581.9	631.6	820.8	920.3	1123.7	1251.4	1310.6	1331.8	1223.1	1107.1
87.5°	52.0	35.5	59.2	45.0	63.9	47.3	63.9	59.2	73.3	78.0	85.2
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2
2.5°	551.2	548.8	546.5	544.2	541.7	539.4	534.7	534.7	529.9	527.5	525.2
5°	612.7	607.9	605.6	600.9	593.7	589.0	581.9	572.5	565.4	563.0	558.2
7.5°	690.8	678.9	674.2	667.1	657.7	643.4	633.9	626.9	615.1	607.9	593.7
10°	778.3	766.4	752.3	738.1	723.9	707.4	695.4	686.1	667.1	657.7	641.1
12.5°	889.5	868.2	851.6	832.8	813.8	794.8	780.6	752.3	735.7	714.4	700.2
15°	1003.0	984.0	965.2	941.5	913.1	882.3	868.2	842.1	820.8	787.8	768.8
17.5°	1140.2	1104.7	1076.4	1048.0	1022.0	993.5	965.2	925.0	894.3	865.8	828.0
20°	1275.1	1232.6	1201.7	1163.9	1126.1	1081.1	1048.0	1019.5	977.0	939.2	899.0
22.5°	1419.3	1376.8	1327.1	1289.3	1237.3	1201.7	1156.9	1109.4	1066.9	1017.2	967.5
25°	1594.4	1549.5	1492.7	1443.0	1383.8	1334.3	1279.8	1225.4	1173.4	1116.6	1052.7
27.5°	1809.8	1762.4	1700.9	1641.7	1563.7	1502.2	1450.2	1376.8	1310.6	1239.6	1166.2
30°	2081.7	2029.7	1954.0	1868.8	1790.8	1722.1	1648.9	1551.9	1478.5	1393.3	1298.8
32.5°	2436.7	2375.0	2273.3	2192.9	2095.9	2006.0	1904.3	1807.3	1703.3	1592.1	1483.2
35°	2883.7	2827.0	2708.6	2590.4	2483.9	2377.5	2249.8	2138.6	1991.9	1857.0	1717.4
37.5°	3347.4	3245.6	3136.8	3009.1	2876.5	2748.8	2592.7	2439.0	2271.0	2124.4	1949.3
40°	3877.2	3754.3	3664.3	3527.2	3340.3	3158.1	3013.9	2822.2	2611.6	2415.3	2209.6
42.5°	4603.6	4466.4	4305.5	4097.3	3962.4	3749.5	3562.6	3335.5	3058.7	2838.8	2590.4
45°	5443.4	5256.5	5100.3	4899.2	4736.0	4471.1	4253.5	3950.6	3673.8	3385.2	3082.4
47.5°	6401.4	6169.5	5942.4	5743.7	5483.6	5223.3	4946.6	4624.8	4270.0	3952.9	3593.4
50°	7501.4	7172.5	6857.9	6602.5	6245.2	5944.9	5644.3	5282.5	4889.7	4525.4	4116.1
52.5°	8724.4	8343.6	7927.3	7534.5	7120.5	6735.0	6373.0	5956.6	5519.1	5074.3	4617.8
55°	10200.6	9914.3	9424.8	8925.6	8371.9	7856.3	7390.2	6874.6	6342.2	5758.0	5277.7
57.5°	12511.9	12372.3	11963.0	11463.9	10742.4	10115.5	9325.3	8693.7	7922.6	7118.2	6498.4
60°	15644.0	15471.2	15241.8	14837.2	14264.8	13413.2	12542.6	11560.9	10387.5	9273.3	8215.9
62.5°	17314.1	17252.5	17065.8	16786.5	16252.0	15580.1	14702.5	13623.6	12299.0	10945.8	9597.4
63°	17363.7	17285.7	17124.8	16840.9	16370.2	15719.7	14858.5	13810.5	12514.2	11135.1	9758.2
65°	16692.0	16661.2	16497.9	16188.0	15866.4	15369.5	14702.5	13801.1	12712.9	11409.5	10039.7
67.5°	14804.2	14711.8	14461.2	14366.5	14141.8	13796.3	13287.8	12667.9	11889.7	10865.3	9682.5
70°	12521.2	12384.0	12069.4	11901.5	11627.1	11409.5	11099.6	10657.2	10176.9	9462.5	8580.2
72.5°	10101.2	9817.4	9528.8	9091.2	8707.9	8319.9	7976.9	7664.7	7137.1	6848.5	6179.0
75°	6559.9	6044.1	5549.8	4887.4	4291.3	3763.8	3250.3	2990.2	2448.5	2228.4	1913.8
77.5°	3113.1	2824.5	2436.7	2136.1	1752.9	1431.2	1168.6	877.6	688.4	539.4	411.6
80°	2512.2	2268.6	2034.4	1762.4	1473.8	1175.7	901.3	674.2	477.8	331.1	234.2
82.5°	2240.3	1975.3	1686.7	1499.8	1303.5	1066.9	875.3	714.4	527.5	385.6	262.6
85°	870.5	733.4	565.4	461.3	359.6	295.6	267.3	184.5	144.4	113.5	87.5
87.5°	75.7	61.5	49.7	33.2	35.5	19.0	21.3	14.2	11.8	11.8	9.5
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2
2.5°	522.8	520.5	518.0	513.3	513.3	508.7	506.2	503.9	492.0	466.0	444.8
5°	548.8	544.2	539.4	532.2	527.5	520.5	515.7	508.7	482.5	433.0	390.3
7.5°	586.7	577.2	570.2	555.9	548.8	539.4	532.2	520.5	477.8	402.1	343.0
10°	631.6	615.1	603.2	586.7	572.5	560.7	548.8	532.2	473.1	369.0	300.4
12.5°	686.1	667.1	643.4	624.5	605.6	589.0	572.5	551.2	466.0	340.6	267.3
15°	740.4	712.1	695.4	669.4	643.4	619.7	596.2	577.2	468.5	309.9	238.9
17.5°	801.9	773.6	738.1	709.7	681.4	650.6	622.2	584.2	456.5	286.3	217.6
20°	861.1	820.8	787.8	752.3	712.1	674.2	638.7	605.6	447.1	262.6	198.7
22.5°	925.0	877.6	835.1	790.1	740.4	697.9	655.2	612.7	430.5	241.3	182.2
25°	1003.0	948.6	887.1	832.8	780.6	728.6	674.2	622.2	414.0	222.4	170.4
27.5°	1097.7	1026.7	965.2	896.5	823.3	757.1	697.9	641.1	397.5	208.2	158.5
30°	1218.3	1135.4	1048.0	960.5	882.3	806.6	723.9	652.9	380.8	193.9	146.7
32.5°	1379.2	1275.1	1168.6	1066.9	962.8	865.8	778.3	686.1	371.3	182.2	134.9
35°	1592.1	1457.2	1327.1	1199.4	1074.0	955.7	842.1	738.1	371.3	167.9	120.7
37.5°	1793.1	1637.1	1471.5	1312.9	1163.9	1026.7	891.8	766.4	352.5	156.2	108.9
40°	2010.7	1823.8	1629.9	1443.0	1263.3	1092.9	939.2	794.8	335.9	141.9	97.0
42.5°	2344.3	2107.8	1854.7	1637.1	1421.8	1211.2	1019.5	849.3	314.6	127.7	85.2
45°	2782.0	2481.5	2183.6	1918.5	1644.1	1386.3	1159.2	948.6	309.9	115.9	73.3
47.5°	3250.3	2895.5	2545.4	2207.1	1885.5	1584.9	1312.9	1059.7	309.9	104.1	63.9
50°	3716.3	3271.7	2897.9	2505.2	2143.3	1788.4	1464.3	1175.7	312.3	94.7	52.0
52.5°	4137.5	3662.0	3243.3	2789.1	2389.3	1977.7	1625.2	1289.3	307.6	82.7	42.5
55°	4721.8	4163.5	3678.6	3177.1	2708.6	2245.0	1845.2	1459.5	309.9	73.3	35.5
57.5°	5798.2	5142.8	4558.6	3900.9	3361.5	2763.1	2278.1	1809.8	338.3	61.5	26.0
60°	7342.9	6491.3	5670.5	4868.5	4182.5	3470.4	2841.1	2290.0	397.5	49.7	19.0
62.5°	8381.4	7267.2	6287.9	5403.1	4605.9	3860.7	3174.6	2547.7	437.6	40.2	11.8
63°	8487.8	7335.9	6351.7	5438.6	4624.8	3879.7	3188.8	2566.7	440.0	37.8	11.8
65°	8689.0	7454.1	6387.2	5445.7	4605.9	3853.7	3179.4	2564.4	444.8	30.7	9.5
67.5°	8459.5	7271.9	6181.5	5242.2	4440.2	3699.8	3061.1	2469.7	442.3	21.3	7.0
70°	7565.3	6581.3	5623.1	4747.8	4019.2	3349.7	2786.8	2252.1	406.8	14.2	4.7
72.5°	5554.6	4885.0	4142.3	3510.6	3028.0	2514.7	2145.6	1691.4	314.6	9.5	2.3
75°	1646.4	1499.8	1260.9	1111.9	981.7	811.4	721.6	563.0	160.9	4.7	0.0
77.5°	328.8	298.1	267.3	243.6	229.4	196.4	186.9	153.7	66.2	2.3	0.0
80°	172.7	141.9	120.7	106.4	92.2	75.7	63.9	52.0	11.8	0.0	0.0
82.5°	165.6	111.2	80.4	66.2	56.7	45.0	35.5	26.0	7.0	0.0	0.0
85°	61.5	47.3	35.5	28.4	23.7	21.3	16.5	14.2	0.0	0.0	0.0
87.5°	9.5	7.0	7.0	4.7	4.7	2.3	2.3	2.3	0.0	0.0	0.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	499.2	499.2	499.2	499.2	499.2	499.2	499.2
2.5°	423.5	404.5	395.1	383.3	383.3	380.8	385.6
5°	352.5	326.5	307.6	293.3	295.6	288.6	291.0
7.5°	298.1	272.1	255.4	246.1	243.6	241.3	241.3
10°	257.9	234.2	219.9	212.9	210.6	210.6	210.6
12.5°	229.4	205.9	193.9	189.2	189.2	186.9	186.9
15°	205.9	186.9	175.1	170.4	170.4	167.9	170.4
17.5°	186.9	167.9	158.5	153.7	153.7	151.4	151.4
20°	170.4	153.7	144.4	137.2	137.2	134.9	137.2
22.5°	156.2	139.6	127.7	123.0	120.7	118.2	120.7
25°	141.9	125.4	113.5	106.4	104.1	104.1	101.7
27.5°	130.2	113.5	99.4	92.2	89.9	89.9	87.5
30°	118.2	99.4	85.2	78.0	75.7	75.7	75.7
32.5°	106.4	85.2	73.3	66.2	63.9	63.9	63.9
35°	94.7	73.3	61.5	54.4	52.0	52.0	52.0
37.5°	80.4	61.5	47.3	42.5	40.2	37.8	37.8
40°	68.7	47.3	35.5	30.7	26.0	26.0	26.0
42.5°	56.7	37.8	26.0	19.0	16.5	14.2	16.5
45°	47.3	28.4	16.5	9.5	7.0	7.0	7.0
47.5°	37.8	19.0	7.0	2.3	2.3	2.3	2.3
50°	28.4	11.8	2.3	0.0	0.0	2.3	2.3
52.5°	21.3	7.0	0.0	0.0	0.0	0.0	0.0
55°	11.8	2.3	0.0	0.0	0.0	0.0	0.0
57.5°	7.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)