

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: P165117

Luminaire Tested: **VST-E12-LED-E-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165117
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-E12-LED-E-U-SL2-HSS
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (252) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21739.9 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G4

Input Watts (W): 291.7
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

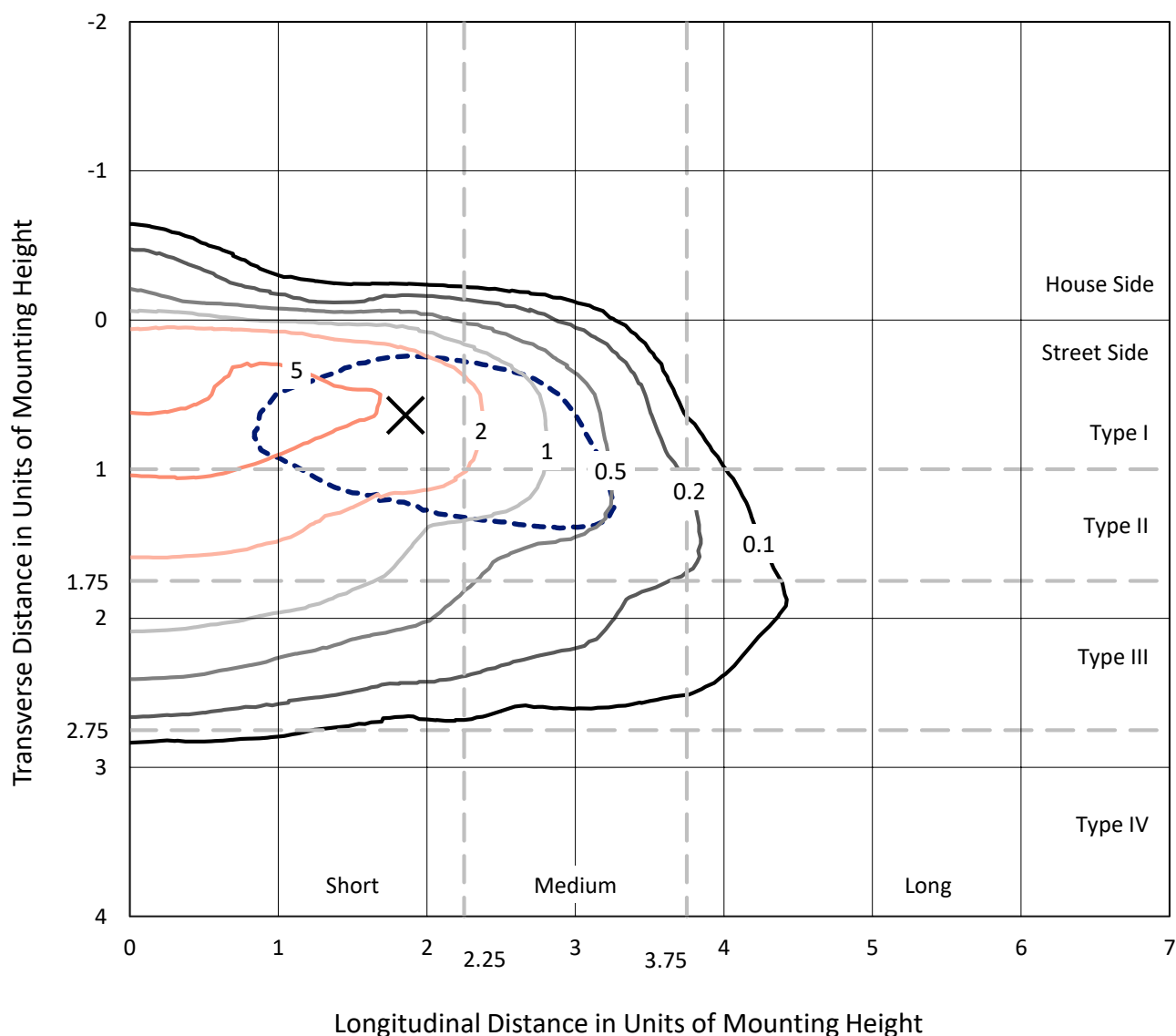


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

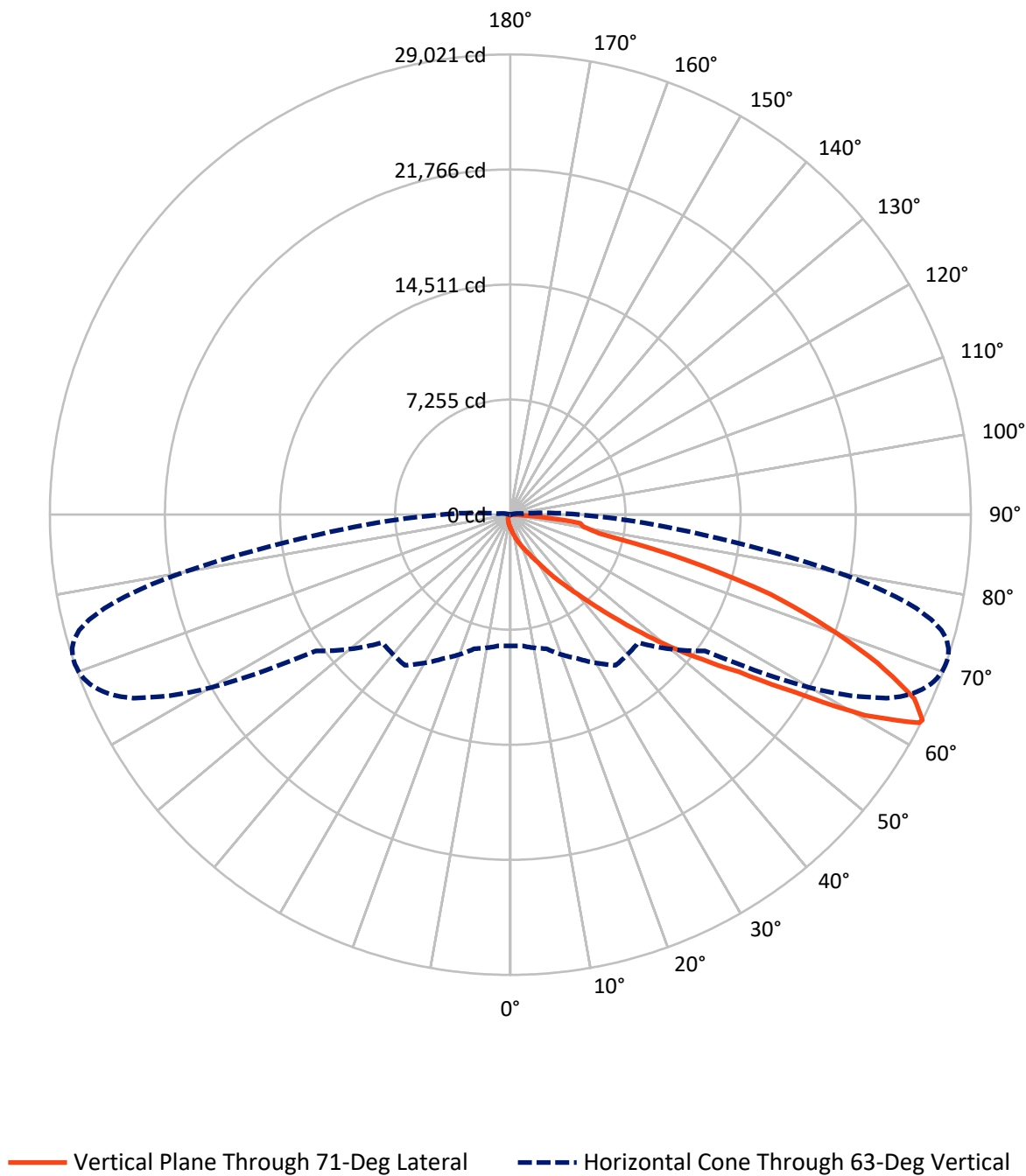


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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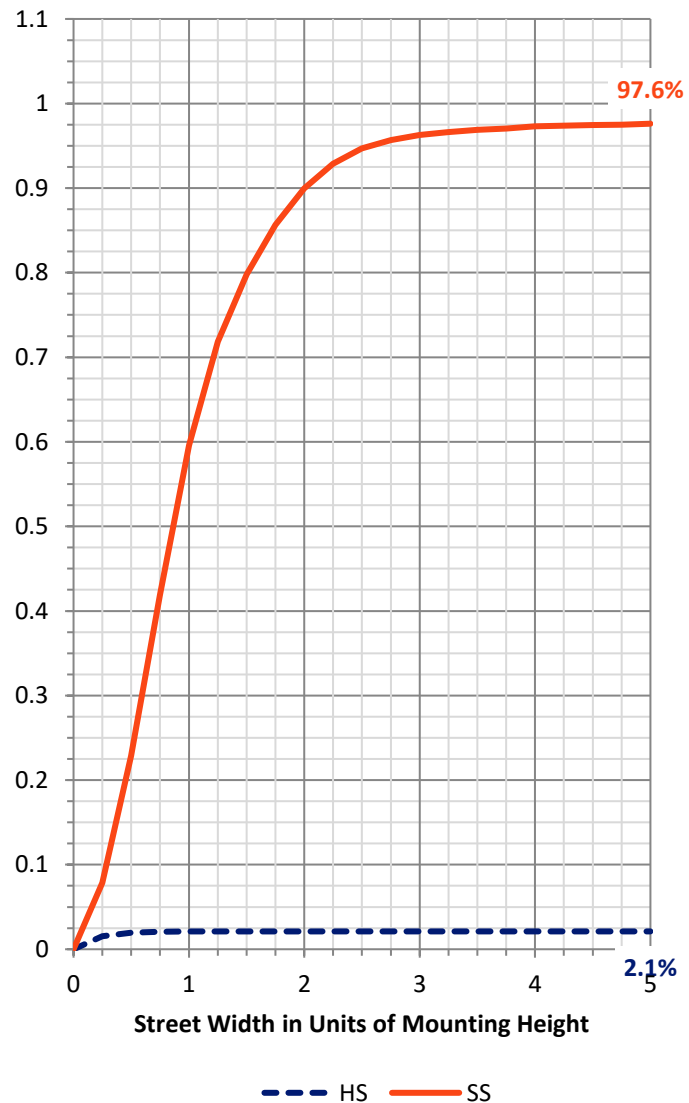
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	461.5	0.0	461.5
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	21278.4	0.0	21278.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	21739.9	0.0	21739.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	0.4
10°-20°	357.5	1.6
20°-30°	726.1	3.3
30°-40°	1773.9	8.2
40°-50°	3967.1	18.2
50°-60°	5578.3	25.7
60°-70°	6559.6	30.2
70°-80°	2368.6	10.9
80°-90°	316.7	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°	21739.9	100.0
0°-180°	21739.9	100.0

Coefficient of Utilization



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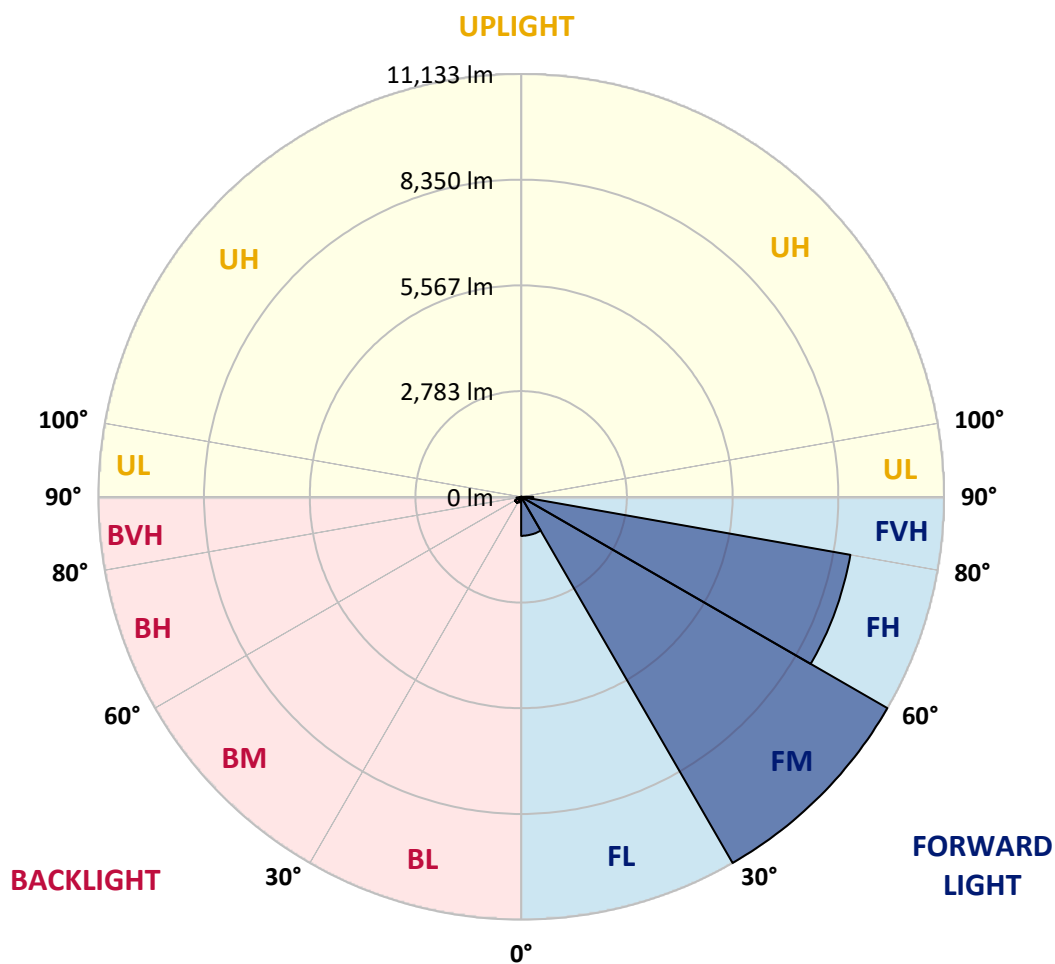
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1027.3	4.7			
FM	(30°-60°)	11133.4	51.2			
FH	(60°-80°)	8801.7	40.5			G4/12000
FVH	(80°-90°)	316.1	1.5			G3/500
BL	(0°-30°)	148.4	0.7	B1/500		
BM	(30°-60°)	185.9	0.9	B0/220		
BH	(60°-80°)	126.5	0.6	B1/500		G1/500
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0
2.5°	1090.8	1102.6	1094.6	1075.0	1051.2	1019.8	991.9	991.9	988.1	976.1	980.2
5°	1430.6	1434.7	1418.9	1371.4	1327.9	1260.7	1185.6	1177.7	1169.8	1158.0	1154.2
7.5°	1762.8	1778.4	1762.8	1711.2	1624.3	1521.6	1403.0	1391.3	1367.5	1367.5	1351.7
10°	2102.6	2102.6	2086.8	2027.5	1948.3	1802.2	1651.9	1632.2	1604.6	1596.7	1573.0
12.5°	2343.6	2343.6	2335.7	2304.2	2240.9	2110.6	1928.6	1909.0	1873.4	1861.4	1833.8
15°	2438.4	2438.4	2442.5	2470.1	2474.2	2414.9	2225.0	2209.2	2173.7	2142.0	2130.2
17.5°	2497.7	2493.8	2493.8	2533.4	2604.5	2644.1	2521.4	2505.6	2466.2	2450.4	2410.8
20°	2628.2	2620.3	2596.6	2596.6	2663.8	2802.0	2802.0	2798.2	2754.7	2742.7	2723.0
22.5°	2821.9	2814.0	2742.7	2683.4	2715.1	2889.1	3051.1	3043.2	3027.4	3011.5	2999.8
25°	3138.0	3110.4	2987.8	2814.0	2786.4	2972.2	3240.7	3260.6	3272.4	3272.4	3280.3
27.5°	3616.3	3580.8	3363.4	3039.4	2916.7	3106.3	3450.2	3489.8	3525.4	3533.3	3568.8
30°	4280.2	4217.0	3904.8	3430.6	3150.0	3304.1	3758.6	3802.1	3853.4	3869.3	3924.5
32.5°	5371.0	5335.4	5035.2	4323.6	3722.9	3691.4	4189.4	4244.6	4311.8	4339.4	4406.6
35°	7031.0	7039.0	6793.9	6153.6	5323.7	4888.8	4960.1	5007.4	5031.1	5114.2	5149.7
37.5°	8157.4	8177.0	8232.5	7979.5	7386.7	6943.9	6386.6	6438.2	6315.6	6327.4	6331.4
40°	8773.9	8837.0	9161.3	9406.3	9358.8	9102.0	8655.4	8683.0	8453.8	8402.4	8153.3
42.5°	9184.8	9267.8	9785.8	10544.4	10931.8	11165.0	11062.3	11050.3	10872.5	10805.3	10595.8
45°	9441.8	9517.0	10169.0	11287.4	12180.7	12860.4	13141.0	13172.6	13022.4	12955.2	12781.4
47.5°	9429.8	9517.0	10216.3	11564.2	12880.3	13967.0	14757.6	14797.0	14887.9	14828.6	14840.4
50°	8908.3	8991.4	9694.8	11093.8	12674.6	14473.0	15919.4	16045.9	16192.1	16291.0	16338.5
52.5°	8275.9	8335.2	8959.7	10287.6	11797.2	14263.4	16607.0	16824.5	17041.9	17227.7	17358.0
55°	8042.6	8109.8	8599.9	9702.7	11093.8	13386.0	16927.2	17247.4	17555.8	17860.1	18109.0
57.5°	8165.3	8228.4	8580.2	9426.0	10675.0	12461.3	17018.2	17516.2	18022.1	18516.0	19006.1
60°	8615.8	8683.0	8983.4	9682.8	10564.3	11927.8	16662.5	17488.6	18330.2	19191.8	20002.1
62.5°	8437.9	8465.5	8908.3	10133.5	11354.6	11473.2	15370.1	16524.2	17808.7	19136.6	20444.6
63°	8268.0	8299.7	8750.2	10010.9	11595.8	11406.0	14971.0	16188.2	17543.8	18974.4	20397.4
65°	7497.4	7501.2	7845.1	8841.1	11327.0	11524.6	13192.6	14354.4	15911.5	17626.8	19425.1
67.5°	5596.3	5568.7	5900.6	6659.5	8892.5	11528.6	11323.0	11975.3	13058.2	14579.8	16192.1
70°	1984.1	1940.6	2478.0	3529.2	5540.9	9429.8	9730.3	9773.8	10074.2	10896.2	11908.1
72.5°	644.2	656.2	790.3	1292.4	2553.1	6347.3	8809.4	8675.0	8596.1	8592.0	8726.4
75°	256.8	260.9	316.1	573.1	1146.2	3059.0	7714.8	7789.7	7817.5	7856.9	7900.6
77.5°	122.4	134.4	177.8	320.2	569.0	1513.7	5521.2	6157.4	6521.0	6801.8	6971.8
80°	43.4	51.4	98.9	197.5	264.7	695.5	2908.8	3509.5	4043.0	4730.9	5323.7
82.5°	0.0	0.0	19.7	138.2	146.2	280.6	1193.5	1399.0	1600.6	2074.8	2663.8
85°	0.0	0.0	0.0	39.6	43.4	47.5	403.2	486.2	545.5	636.2	735.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	11.8	23.8	59.3	91.0
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0
2.5°	972.2	968.4	968.4	960.5	956.4	948.5	944.6	932.6	928.8	928.8	928.8
5°	1150.1	1134.2	1126.3	1106.6	1094.6	1090.8	1071.1	1063.2	1051.2	1055.3	1035.4
7.5°	1347.6	1320.0	1308.2	1280.4	1272.7	1244.9	1237.0	1217.3	1205.5	1181.8	1173.8
10°	1565.0	1529.5	1509.8	1466.2	1454.4	1434.7	1411.0	1387.2	1367.5	1343.8	1332.0
12.5°	1814.2	1782.5	1766.6	1707.4	1679.8	1651.9	1620.5	1588.8	1557.1	1537.4	1509.8
15°	2106.5	2055.1	2039.3	1984.1	1936.6	1901.0	1857.6	1818.0	1794.2	1754.9	1727.0
17.5°	2395.0	2343.6	2331.8	2248.8	2197.4	2173.7	2126.4	2074.8	2031.4	1992.0	1948.3
20°	2683.4	2647.9	2616.2	2537.3	2482.1	2442.5	2379.1	2327.8	2292.2	2237.0	2181.6
22.5°	2972.2	2936.4	2912.9	2829.8	2778.5	2723.0	2667.8	2612.4	2561.0	2493.8	2430.7
25°	3268.6	3244.8	3232.8	3157.9	3110.4	3059.0	3003.6	2940.5	2877.1	2802.0	2735.0
27.5°	3576.7	3584.6	3560.9	3545.0	3493.7	3458.2	3371.3	3327.8	3280.3	3189.4	3106.3
30°	3967.9	3991.7	3983.8	3995.8	3964.1	3940.3	3873.1	3817.9	3762.5	3675.6	3580.8
32.5°	4462.1	4493.8	4509.4	4553.0	4537.2	4529.3	4509.4	4430.4	4390.8	4240.8	4201.2
35°	5224.8	5209.0	5276.2	5311.7	5295.8	5288.2	5264.4	5221.0	5173.4	5066.6	4968.0
37.5°	6216.7	6232.6	6256.3	6185.3	6137.8	6133.9	6062.6	6019.2	5952.0	5833.4	5714.9
40°	8034.7	7936.1	7825.4	7525.0	7394.6	7319.5	7110.0	7050.7	6936.0	6774.0	6651.6
42.5°	10398.2	10299.4	9967.4	9465.6	9196.8	8825.3	8655.4	8445.8	8283.8	8019.1	7876.8
45°	12745.9	12461.3	12421.7	11836.8	11504.9	11014.8	10710.5	10358.6	9991.2	9643.4	9390.5
47.5°	14725.9	14662.6	14469.1	14113.2	13805.0	13393.9	13002.7	12461.3	12081.8	11587.9	11133.4
50°	16310.6	16306.8	16235.5	16030.1	15773.3	15441.4	15097.4	14639.0	14208.2	13603.4	13117.4
52.5°	17496.5	17559.6	17583.4	17520.0	17421.4	17128.8	16955.0	16571.5	16207.9	15694.1	15168.5
55°	18365.8	18599.0	18717.6	18852.0	18824.4	18721.7	18713.8	18464.6	18298.8	17891.5	17520.0
57.5°	19441.0	19824.2	20191.7	20844.0	20867.5	21097.0	21215.5	21334.1	21365.5	21203.5	21081.1
60°	20808.2	21590.9	22286.4	23650.1	24005.8	24566.9	24930.5	25325.8	25661.5	25689.4	25681.4
62.5°	21772.6	22978.1	24100.6	26124.0	26815.7	27463.9	27949.9	28333.4	28566.5	28803.6	28914.2
63°	21800.4	23120.4	24313.9	26400.7	27127.9	27744.5	28207.0	28562.6	28807.7	28949.8	29021.0
65°	21132.5	22733.0	24155.8	26234.6	26918.4	27539.0	27780.0	28013.3	28131.8	28187.0	27977.5
67.5°	17911.4	19476.5	21136.3	23460.2	24045.1	24788.2	24985.9	25104.5	25159.7	25147.9	24970.1
70°	13393.9	14706.2	16551.8	19207.7	19982.4	20709.6	21160.1	21353.8	21416.9	21397.2	21132.5
72.5°	9350.9	10121.5	11643.1	14599.4	15654.7	16587.4	17144.6	17433.1	17492.4	17373.8	17128.8
75°	7853.0	7892.6	8236.3	9852.7	10840.8	11836.8	12465.1	12647.0	12528.5	12168.7	11544.5
77.5°	7011.1	7098.2	7098.2	7339.2	7532.9	7809.6	7868.9	7426.1	6912.5	6248.4	5711.0
80°	5881.0	6185.3	6398.6	6576.5	6596.2	6541.0	6394.6	6145.7	5750.4	5244.5	4683.4
82.5°	3572.9	4173.6	4418.6	5335.4	5785.9	6090.2	6066.7	5734.6	5434.3	4908.7	4430.4
85°	901.2	972.2	1055.3	1371.4	1537.4	1877.3	2090.6	2189.5	2225.0	2043.4	1849.7
87.5°	86.9	59.3	98.9	75.1	106.8	79.0	106.8	98.9	122.4	130.3	142.3
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0
2.5°	920.9	916.8	913.0	909.1	905.0	901.2	893.3	893.3	885.4	881.3	877.4
5°	1023.6	1015.7	1011.8	1003.9	991.9	984.0	972.2	956.4	944.6	940.6	932.6
7.5°	1154.2	1134.2	1126.3	1114.6	1098.7	1075.0	1059.1	1047.4	1027.7	1015.7	991.9
10°	1300.3	1280.4	1256.9	1233.1	1209.4	1181.8	1161.8	1146.2	1114.6	1098.7	1071.1
12.5°	1486.1	1450.6	1422.7	1391.3	1359.6	1327.9	1304.2	1256.9	1229.0	1193.5	1169.8
15°	1675.7	1644.0	1612.6	1573.0	1525.4	1474.1	1450.6	1406.9	1371.4	1316.2	1284.5
17.5°	1904.9	1845.6	1798.3	1750.8	1707.4	1659.8	1612.6	1545.4	1494.0	1446.5	1383.4
20°	2130.2	2059.2	2007.6	1944.5	1881.4	1806.2	1750.8	1703.3	1632.2	1569.1	1501.9
22.5°	2371.2	2300.2	2217.1	2154.0	2067.1	2007.6	1932.7	1853.5	1782.5	1699.4	1616.4
25°	2663.8	2588.6	2493.8	2410.8	2311.9	2229.1	2138.2	2047.2	1960.3	1865.5	1758.7
27.5°	3023.5	2944.3	2841.6	2742.7	2612.4	2509.7	2422.8	2300.2	2189.5	2071.0	1948.3
30°	3477.8	3391.0	3264.5	3122.2	2991.8	2877.1	2754.7	2592.7	2470.1	2327.8	2169.8
32.5°	4070.9	3967.9	3798.0	3663.6	3501.6	3351.4	3181.4	3019.4	2845.7	2659.9	2478.0
35°	4817.8	4723.0	4525.2	4327.7	4149.8	3972.0	3758.6	3572.9	3327.8	3102.5	2869.2
37.5°	5592.5	5422.3	5240.6	5027.3	4805.8	4592.4	4331.5	4074.7	3794.2	3549.1	3256.6
40°	6477.6	6272.2	6121.9	5892.7	5580.5	5276.2	5035.2	4715.0	4363.2	4035.1	3691.4
42.5°	7691.0	7461.8	7193.0	6845.3	6619.9	6264.2	5952.0	5572.6	5110.1	4742.6	4327.7
45°	9094.1	8781.8	8521.0	8185.0	7912.3	7469.8	7106.2	6600.2	6137.8	5655.6	5149.7
47.5°	10694.6	10307.3	9927.8	9595.9	9161.3	8726.4	8264.2	7726.6	7133.8	6604.1	6003.4
50°	12532.3	11983.0	11457.4	11030.6	10433.8	9931.9	9429.8	8825.3	8169.1	7560.5	6876.7
52.5°	14575.7	13939.4	13243.9	12587.8	11896.1	11251.9	10647.1	9951.6	9220.6	8477.5	7714.8
55°	17041.9	16563.6	15745.7	14911.7	13986.7	13125.4	12346.6	11485.2	10595.8	9619.7	8817.4
57.5°	20903.3	20670.0	19986.2	19152.5	17947.0	16899.6	15579.6	14524.3	13236.0	11892.2	10856.6
60°	26136.0	25847.3	25464.0	24788.2	23831.8	22409.0	20954.6	19314.5	17354.2	15492.7	13726.1
62.5°	28926.2	28823.3	28511.3	28044.7	27151.7	26029.2	24563.0	22760.6	20547.6	18286.8	16034.2
63°	29009.0	28878.7	28609.9	28135.7	27349.2	26262.5	24823.7	23072.9	20907.1	18603.1	16302.7
65°	27886.8	27835.4	27562.6	27044.9	26507.5	25677.4	24563.0	23057.0	21239.0	19061.5	16773.1
67.5°	24733.0	24578.6	24159.8	24001.7	23626.3	23049.1	22199.5	21163.9	19863.8	18152.4	16176.2
70°	20918.9	20689.7	20164.1	19883.5	19425.1	19061.5	18543.8	17804.6	17002.3	15808.8	14334.7
72.5°	16875.8	16401.6	15919.4	15188.4	14548.1	13899.8	13326.7	12805.2	11923.7	11441.5	10323.1
75°	10959.4	10097.8	9271.9	8165.3	7169.3	6288.0	5430.2	4995.6	4090.6	3722.9	3197.3
77.5°	5201.0	4718.9	4070.9	3568.8	2928.5	2391.1	1952.4	1466.2	1150.1	901.2	687.6
80°	4197.1	3790.1	3398.9	2944.3	2462.2	1964.2	1505.8	1126.3	798.2	553.2	391.2
82.5°	3742.8	3300.0	2817.8	2505.6	2177.8	1782.5	1462.3	1193.5	881.3	644.2	438.7
85°	1454.4	1225.2	944.6	770.6	600.7	493.9	446.6	308.2	241.2	189.6	146.2
87.5°	126.5	102.7	83.0	55.4	59.3	31.7	35.5	23.8	19.7	19.7	15.8
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0
2.5°	873.4	869.5	865.4	857.5	857.5	849.8	845.8	841.9	822.0	778.6	743.0
5°	916.8	909.1	901.2	889.2	881.3	869.5	861.6	849.8	806.2	723.4	652.1
7.5°	980.2	964.3	952.6	928.8	916.8	901.2	889.2	869.5	798.2	671.8	573.1
10°	1055.3	1027.7	1007.8	980.2	956.4	936.7	916.8	889.2	790.3	616.6	501.8
12.5°	1146.2	1114.6	1075.0	1043.3	1011.8	984.0	956.4	920.9	778.6	569.0	446.6
15°	1237.0	1189.7	1161.8	1118.4	1075.0	1035.4	996.0	964.3	782.6	517.7	399.1
17.5°	1339.7	1292.4	1233.1	1185.6	1138.3	1087.0	1039.4	976.1	762.7	478.3	363.6
20°	1438.6	1371.4	1316.2	1256.9	1189.7	1126.3	1067.0	1011.8	746.9	438.7	331.9
22.5°	1545.4	1466.2	1395.1	1320.0	1237.0	1165.9	1094.6	1023.6	719.3	403.2	304.3
25°	1675.7	1584.7	1482.0	1391.3	1304.2	1217.3	1126.3	1039.4	691.7	371.5	284.6
27.5°	1833.8	1715.3	1612.6	1497.8	1375.4	1264.8	1165.9	1071.1	664.1	347.8	264.7
30°	2035.4	1897.0	1750.8	1604.6	1474.1	1347.6	1209.4	1090.8	636.2	324.0	245.0
32.5°	2304.2	2130.2	1952.4	1782.5	1608.5	1446.5	1300.3	1146.2	620.4	304.3	225.4
35°	2659.9	2434.6	2217.1	2003.8	1794.2	1596.7	1406.9	1233.1	620.4	280.6	201.6
37.5°	2995.7	2735.0	2458.3	2193.4	1944.5	1715.3	1489.9	1280.4	589.0	260.9	181.9
40°	3359.3	3047.0	2723.0	2410.8	2110.6	1825.9	1569.1	1327.9	561.1	237.1	162.0
42.5°	3916.6	3521.5	3098.6	2735.0	2375.3	2023.4	1703.3	1418.9	525.6	213.4	142.3
45°	4647.8	4145.8	3648.0	3205.2	2746.8	2316.0	1936.6	1584.7	517.7	193.7	122.4
47.5°	5430.2	4837.4	4252.6	3687.4	3150.0	2647.9	2193.4	1770.5	517.7	174.0	106.8
50°	6208.8	5466.0	4841.5	4185.4	3580.8	2987.8	2446.3	1964.2	521.8	158.2	86.9
52.5°	6912.5	6118.1	5418.5	4659.6	3991.7	3304.1	2715.1	2154.0	513.8	138.2	71.0
55°	7888.6	6955.9	6145.7	5307.8	4525.2	3750.7	3082.8	2438.4	517.7	122.4	59.3
57.5°	9686.9	8592.0	7615.9	6517.2	5616.0	4616.2	3805.9	3023.5	565.2	102.7	43.4
60°	12267.6	10844.9	9473.5	8133.6	6987.6	5797.9	4746.5	3825.8	664.1	83.0	31.7
62.5°	14002.6	12141.1	10505.0	9026.9	7694.9	6450.0	5303.8	4256.4	731.0	67.2	19.7
63°	14180.4	12255.8	10611.6	9086.2	7726.6	6481.7	5327.5	4288.1	735.1	63.1	19.7
65°	14516.4	12453.4	10670.9	9097.9	7694.9	6438.2	5311.7	4284.2	743.0	51.4	15.8
67.5°	14133.1	12149.0	10327.2	8758.1	7418.2	6181.2	5114.2	4126.1	739.0	35.5	11.8
70°	12639.1	10995.1	9394.3	7932.0	6714.7	5596.3	4655.8	3762.5	679.7	23.8	7.9
72.5°	9279.8	8161.2	6920.4	5865.1	5058.7	4201.2	3584.6	2825.8	525.6	15.8	3.8
75°	2750.6	2505.6	2106.5	1857.6	1640.2	1355.5	1205.5	940.6	268.8	7.9	0.0
77.5°	549.4	498.0	446.6	407.0	383.3	328.1	312.2	256.8	110.6	3.8	0.0
80°	288.5	237.1	201.6	177.8	154.1	126.5	106.8	86.9	19.7	0.0	0.0
82.5°	276.7	185.8	134.4	110.6	94.8	75.1	59.3	43.4	11.8	0.0	0.0
85°	102.7	79.0	59.3	47.5	39.6	35.5	27.6	23.8	0.0	0.0	0.0
87.5°	15.8	11.8	11.8	7.9	7.9	3.8	3.8	3.8	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°	834.0	834.0	834.0	834.0	834.0	834.0	834.0
2.5°	707.5	675.8	660.0	640.3	640.3	636.2	644.2
5°	589.0	545.5	513.8	490.1	493.9	482.2	486.2
7.5°	498.0	454.6	426.7	411.1	407.0	403.2	403.2
10°	430.8	391.2	367.4	355.7	351.8	351.8	351.8
12.5°	383.3	343.9	324.0	316.1	316.1	312.2	312.2
15°	343.9	312.2	292.6	284.6	284.6	280.6	284.6
17.5°	312.2	280.6	264.7	256.8	256.8	253.0	253.0
20°	284.6	256.8	241.2	229.2	229.2	225.4	229.2
22.5°	260.9	233.3	213.4	205.4	201.6	197.5	201.6
25°	237.1	209.5	189.6	177.8	174.0	174.0	169.9
27.5°	217.4	189.6	166.1	154.1	150.2	150.2	146.2
30°	197.5	166.1	142.3	130.3	126.5	126.5	126.5
32.5°	177.8	142.3	122.4	110.6	106.8	106.8	106.8
35°	158.2	122.4	102.7	91.0	86.9	86.9	86.9
37.5°	134.4	102.7	79.0	71.0	67.2	63.1	63.1
40°	114.7	79.0	59.3	51.4	43.4	43.4	43.4
42.5°	94.8	63.1	43.4	31.7	27.6	23.8	27.6
45°	79.0	47.5	27.6	15.8	11.8	11.8	11.8
47.5°	63.1	31.7	11.8	3.8	3.8	3.8	3.8
50°	47.5	19.7	3.8	0.0	0.0	3.8	3.8
52.5°	35.5	11.8	0.0	0.0	0.0	0.0	0.0
55°	19.7	3.8	0.0	0.0	0.0	0.0	0.0
57.5°	11.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	7.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3.8	0.0	0.0	0.0	0.0	0.0	0.0
63°	3.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.8	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)