

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: P165096

Luminaire Tested: **VST-E10-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165096
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-E10-LED-E-U-SL2-HSS-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (210) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16546.8 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

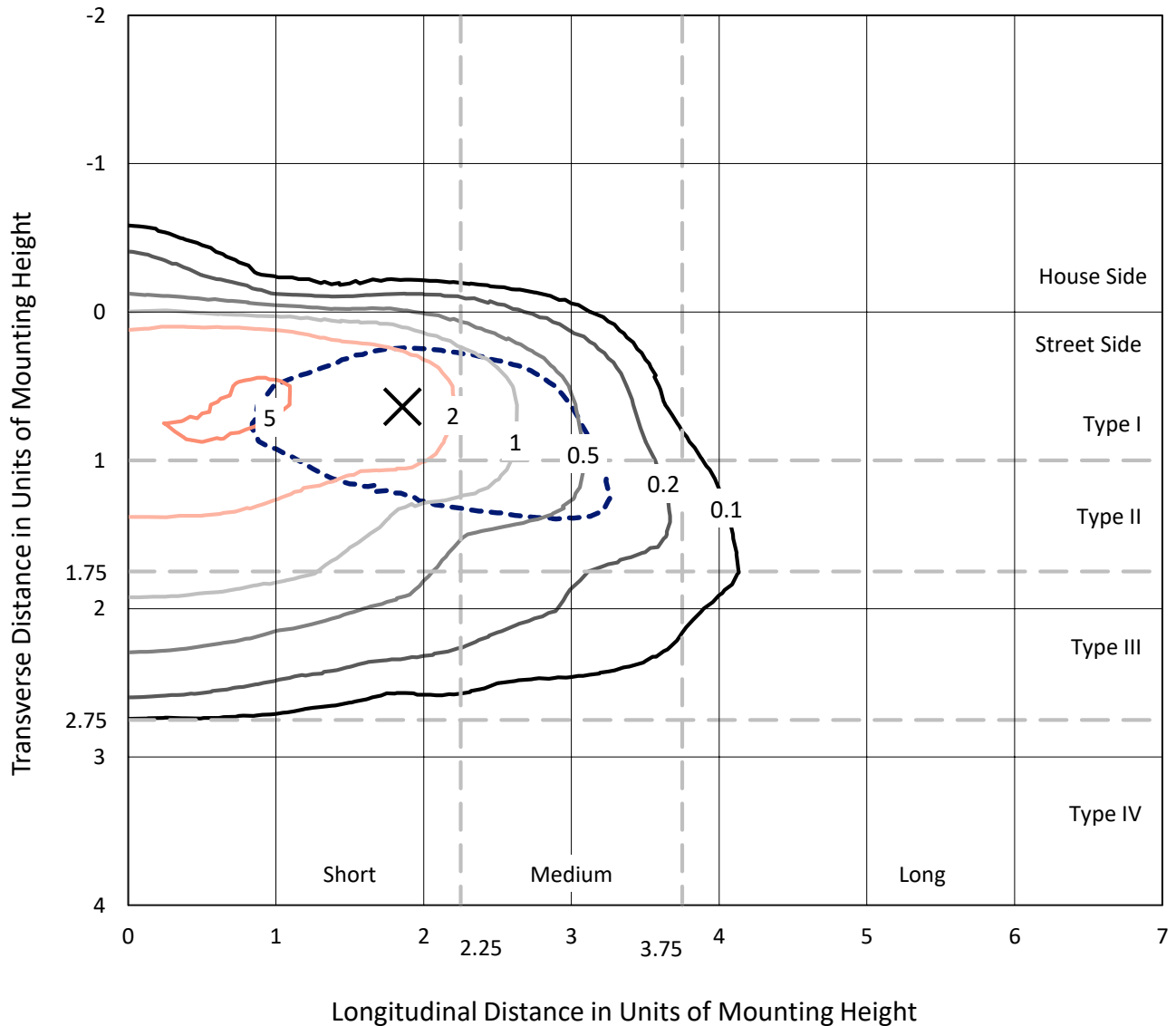
Input Watts (W): 247.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

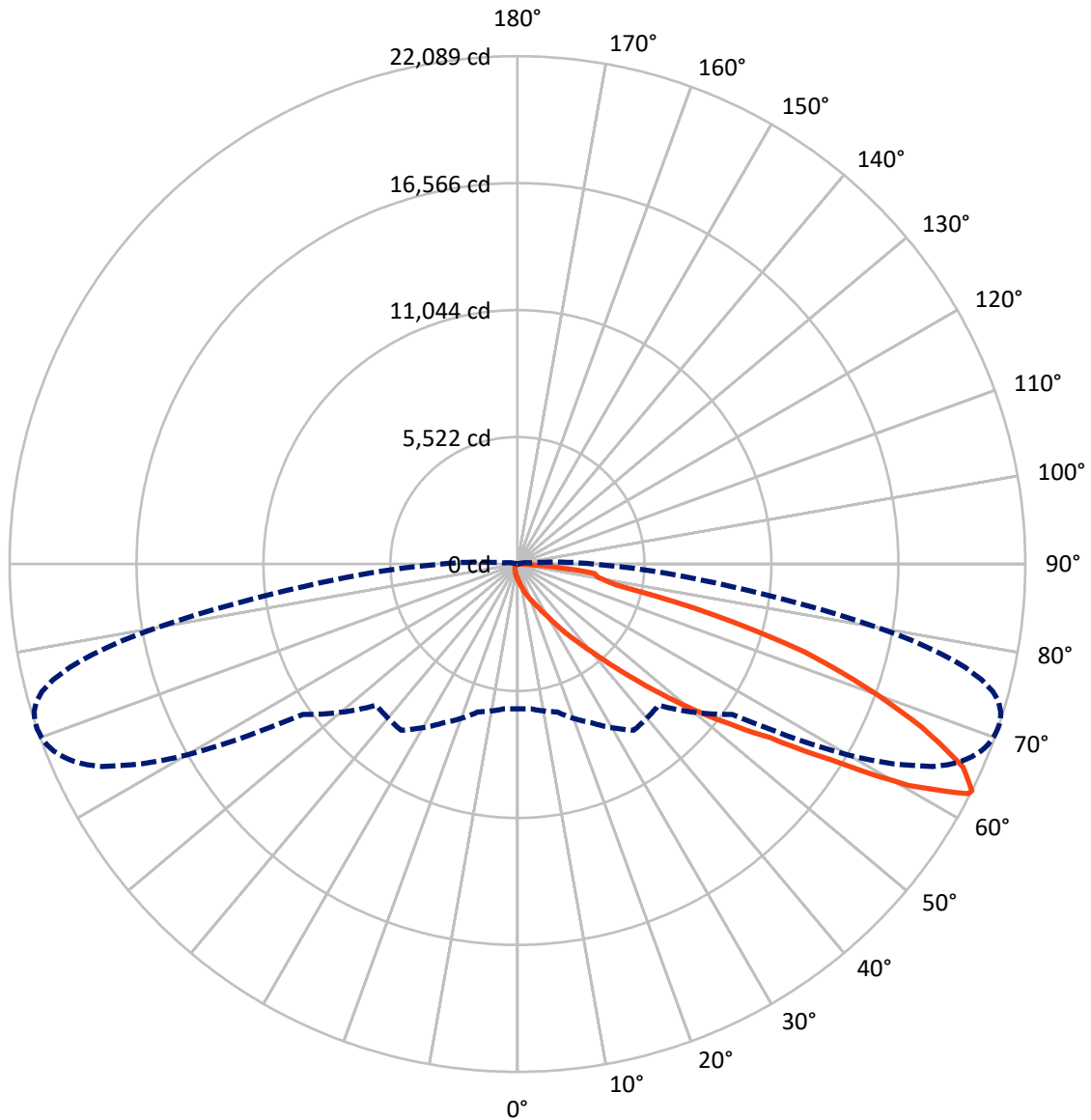
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical



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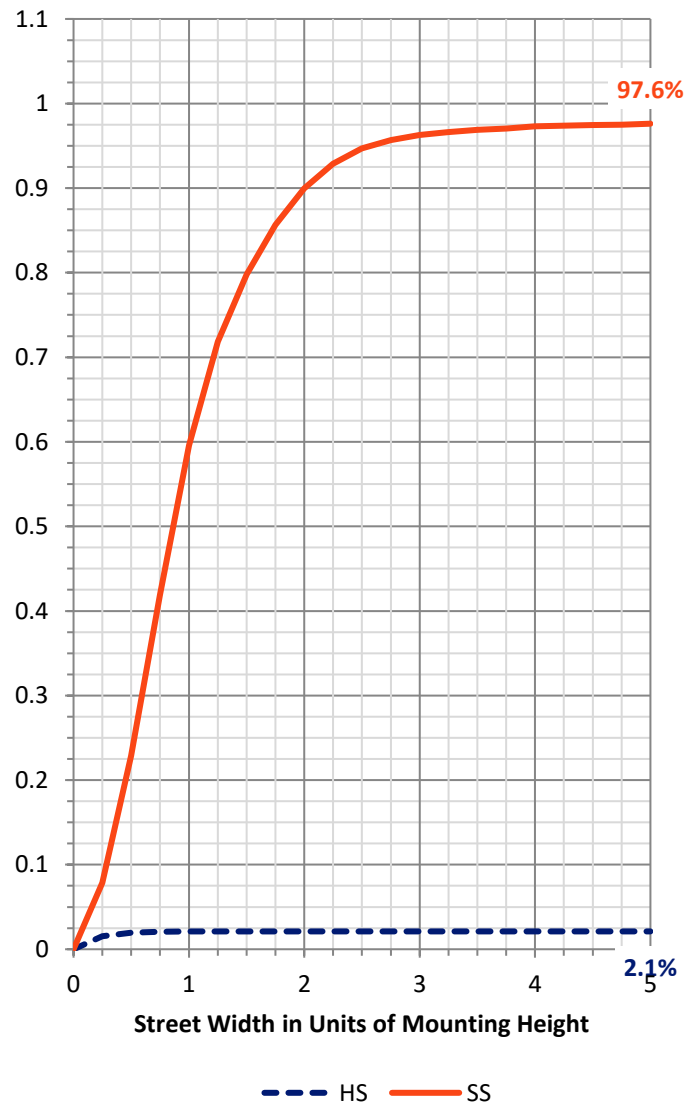
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	351.3	0.0	351.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	16195.5	0.0	16195.5
	% Fixture	97.9	0.0	97.9
Total	Lumens	16546.8	0.0	16546.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	0.4
10°-20°	272.1	1.6
20°-30°	552.6	3.3
30°-40°	1350.2	8.2
40°-50°	3019.5	18.2
50°-60°	4245.8	25.7
60°-70°	4992.7	30.2
70°-80°	1802.8	10.9
80°-90°	241.1	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°	16546.8	100.0
0°-180°	16546.8	100.0



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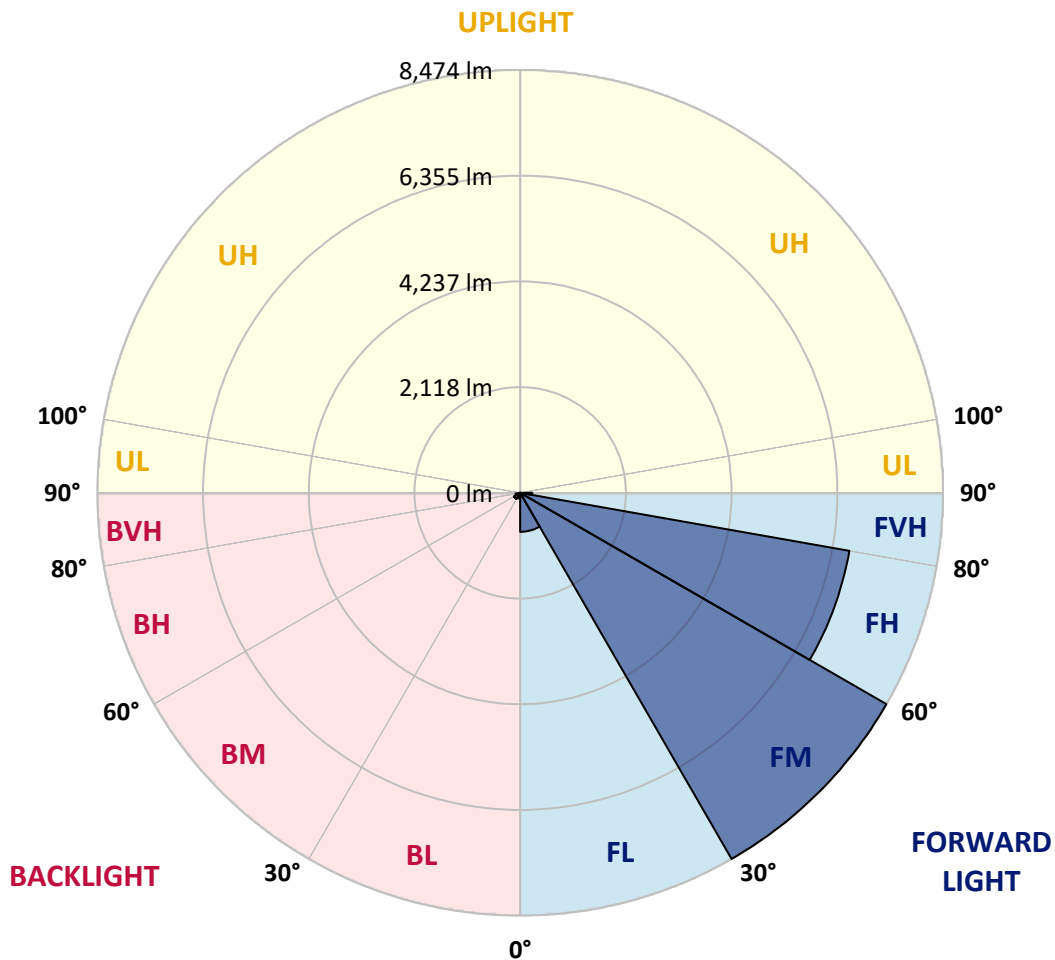
CATALOG NUMBER: VST-E10-LED-E-U-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	781.9	4.7			
FM	(30°-60°)	8473.9	51.2			
FH	(60°-80°)	6699.2	40.5			G3/7500
FVH	(80°-90°)	240.6	1.5			G3/500
BL	(0°-30°)	113.0	0.7	B1/500		
BM	(30°-60°)	141.5	0.9	B0/220		
BH	(60°-80°)	96.3	0.6	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	830.2	839.2	833.2	818.2	800.1	776.2	755.0	755.0	752.1	742.9	746.0
5°	1088.9	1092.0	1079.9	1043.8	1010.7	959.6	902.4	896.4	890.3	881.4	878.5
7.5°	1341.7	1353.6	1341.7	1302.4	1236.3	1158.1	1067.9	1058.9	1040.9	1040.9	1028.8
10°	1600.4	1600.4	1588.3	1543.2	1482.9	1371.7	1257.3	1242.3	1221.3	1215.3	1197.2
12.5°	1783.8	1783.8	1777.7	1753.8	1705.6	1606.4	1467.9	1453.0	1425.9	1416.8	1395.8
15°	1855.9	1855.9	1859.0	1880.0	1883.1	1838.0	1693.5	1681.5	1654.4	1630.3	1621.4
17.5°	1901.0	1898.1	1898.1	1928.3	1982.3	2012.5	1919.1	1907.1	1877.1	1865.1	1834.9
20°	2000.4	1994.4	1976.3	1976.3	2027.5	2132.7	2132.7	2129.8	2096.7	2087.6	2072.6
22.5°	2147.8	2141.8	2087.6	2042.4	2066.5	2199.0	2322.3	2316.3	2304.2	2292.1	2283.2
25°	2388.4	2367.4	2274.1	2141.8	2120.8	2262.2	2466.6	2481.8	2490.7	2490.7	2496.7
27.5°	2752.5	2725.4	2559.9	2313.3	2220.0	2364.3	2626.1	2656.2	2683.2	2689.3	2716.3
30°	3257.7	3209.7	2972.0	2611.1	2397.5	2514.8	2860.8	2893.9	2933.0	2945.0	2987.0
32.5°	4088.0	4060.9	3832.4	3290.8	2833.6	2809.6	3188.7	3230.7	3281.9	3302.9	3354.0
35°	5351.5	5357.5	5171.0	4683.7	4052.0	3721.0	3775.2	3811.2	3829.3	3892.5	3919.6
37.5°	6208.8	6223.8	6265.9	6073.4	5622.2	5285.2	4861.0	4900.3	4807.0	4815.9	4819.0
40°	6678.1	6726.1	6972.9	7159.4	7123.2	6927.8	6587.8	6608.8	6434.4	6395.3	6205.7
42.5°	6990.8	7054.0	7448.2	8025.6	8320.4	8498.0	8419.8	8410.7	8275.3	8224.2	8064.7
45°	7186.4	7243.6	7739.9	8591.2	9271.1	9788.4	10001.9	10026.0	9911.7	9860.5	9728.3
47.5°	7177.3	7243.6	7775.9	8801.8	9803.5	10630.7	11232.4	11262.3	11331.6	11286.5	11295.4
50°	6780.3	6843.6	7379.0	8443.7	9647.0	11015.7	12116.7	12213.0	12324.2	12399.5	12435.6
52.5°	6299.0	6344.1	6819.4	7830.2	8979.1	10856.3	12640.0	12805.5	12971.0	13112.4	13211.6
55°	6121.5	6172.6	6545.6	7385.0	8443.7	10188.4	12883.7	13127.4	13362.1	13593.8	13783.2
57.5°	6214.8	6262.8	6530.6	7174.4	8125.0	9484.6	12953.0	13332.0	13717.1	14093.0	14466.0
60°	6557.7	6608.8	6837.5	7369.8	8040.8	9078.5	12682.2	13311.0	13951.6	14607.4	15224.1
62.5°	6422.3	6443.3	6780.3	7712.9	8642.3	8732.5	11698.6	12577.0	13554.7	14565.4	15560.9
63°	6293.0	6317.1	6660.0	7619.5	8825.9	8681.4	11394.8	12321.3	13353.0	14441.9	15524.9
65°	5706.4	5709.4	5971.1	6729.2	8621.3	8771.6	10041.2	10925.5	12110.7	13416.2	14784.9
67.5°	4259.5	4238.5	4491.1	5068.7	6768.3	8774.7	8618.2	9114.7	9938.9	11097.0	12324.2
70°	1510.1	1477.1	1886.1	2686.2	4217.3	7177.3	7406.0	7439.1	7667.8	8293.4	9063.5
72.5°	490.3	499.4	601.5	983.7	1943.2	4831.1	6705.1	6602.8	6542.7	6539.6	6641.9
75°	195.5	198.6	240.6	436.2	872.4	2328.3	5871.9	5928.9	5950.1	5980.1	6013.3
77.5°	93.2	102.3	135.4	243.7	433.1	1152.1	4202.3	4686.6	4963.3	5177.1	5306.4
80°	33.1	39.1	75.3	150.3	201.5	529.4	2214.0	2671.2	3077.3	3600.8	4052.0
82.5°	0.0	0.0	15.0	105.2	111.2	213.5	908.4	1064.8	1218.2	1579.2	2027.5
85°	0.0	0.0	0.0	30.1	33.1	36.2	306.9	370.1	415.2	484.3	559.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	9.0	18.1	45.1	69.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	740.0	737.1	737.1	731.0	727.9	721.9	719.0	709.9	706.9	706.9	706.9
5°	875.4	863.3	857.3	842.3	833.2	830.2	815.3	809.2	800.1	803.2	788.0
7.5°	1025.7	1004.7	995.7	974.5	968.7	947.5	941.5	926.5	917.6	899.5	893.4
10°	1191.2	1164.2	1149.2	1115.9	1107.0	1092.0	1073.9	1055.8	1040.9	1022.8	1013.8
12.5°	1380.8	1356.7	1344.6	1299.5	1278.5	1257.3	1233.4	1209.3	1185.2	1170.2	1149.2
15°	1603.3	1564.2	1552.1	1510.1	1474.0	1446.9	1413.9	1383.7	1365.6	1335.7	1314.5
17.5°	1822.9	1783.8	1774.8	1711.6	1672.5	1654.4	1618.5	1579.2	1546.1	1516.2	1482.9
20°	2042.4	2015.4	1991.3	1931.2	1889.2	1859.0	1810.8	1771.7	1744.7	1702.7	1660.5
22.5°	2262.2	2235.0	2217.1	2153.9	2114.8	2072.6	2030.6	1988.4	1949.3	1898.1	1850.1
25°	2487.8	2469.7	2460.6	2403.6	2367.4	2328.3	2286.1	2238.1	2189.8	2132.7	2081.7
27.5°	2722.3	2728.4	2710.3	2698.2	2659.1	2632.1	2566.0	2532.9	2496.7	2427.5	2364.3
30°	3020.1	3038.2	3032.1	3041.3	3017.2	2999.1	2947.9	2905.9	2863.7	2797.6	2725.4
32.5°	3396.2	3420.3	3432.2	3465.4	3453.4	3447.3	3432.2	3372.1	3341.9	3227.8	3197.6
35°	3976.7	3964.7	4015.8	4042.9	4030.8	4025.0	4006.9	3973.8	3937.6	3856.3	3781.3
37.5°	4731.7	4743.8	4761.8	4707.8	4671.6	4668.7	4614.4	4581.4	4530.2	4440.0	4349.7
40°	6115.4	6040.4	5956.1	5727.4	5628.2	5571.1	5411.6	5366.5	5279.2	5155.9	5062.7
42.5°	7914.4	7839.1	7586.5	7204.5	6999.9	6717.1	6587.8	6428.3	6305.0	6103.6	5995.2
45°	9701.2	9484.6	9454.5	9009.3	8756.7	8383.6	8152.0	7884.2	7604.6	7339.9	7147.3
47.5°	11208.3	11160.0	11012.8	10741.9	10507.4	10194.5	9896.7	9484.6	9195.8	8819.9	8473.9
50°	12414.4	12411.5	12357.3	12200.9	12005.4	11752.8	11491.0	11142.1	10814.3	10353.9	9984.0
52.5°	13317.0	13365.1	13383.1	13334.9	13259.8	13037.2	12904.9	12613.0	12336.3	11945.2	11545.1
55°	13978.6	14156.2	14246.4	14348.7	14327.7	14249.5	14243.5	14053.9	13927.7	13617.7	13334.9
57.5°	14797.0	15088.7	15368.4	15864.9	15882.8	16057.4	16147.7	16237.9	16261.8	16138.5	16045.4
60°	15837.7	16433.4	16962.7	18000.7	18271.4	18698.5	18975.2	19276.1	19531.6	19552.8	19546.8
62.5°	16571.6	17489.2	18343.5	19883.6	20410.1	20903.5	21273.4	21565.3	21742.7	21923.1	22007.4
63°	16592.8	17597.5	18505.9	20094.3	20647.7	21117.0	21469.0	21739.7	21926.3	22034.4	22088.6
65°	16084.5	17302.7	18385.6	19967.8	20488.3	20960.7	21144.1	21321.6	21411.9	21453.9	21294.4
67.5°	13632.8	14824.0	16087.4	17856.2	18301.3	18866.9	19017.4	19107.7	19149.7	19140.7	19005.4
70°	10194.5	11193.3	12598.0	14619.5	15209.1	15762.6	16105.5	16252.9	16300.9	16285.9	16084.5
72.5°	7117.2	7703.7	8861.9	11112.0	11915.2	12625.1	13049.2	13268.8	13313.9	13223.7	13037.2
75°	5977.1	6007.3	6268.9	7499.2	8251.2	9009.3	9487.5	9626.0	9535.7	9261.9	8786.8
77.5°	5336.3	5402.6	5402.6	5586.1	5733.5	5944.1	5989.2	5652.2	5261.3	4755.8	4346.8
80°	4476.1	4707.8	4870.2	5005.5	5020.5	4978.5	4867.1	4677.6	4376.8	3991.7	3564.6
82.5°	2719.4	3176.6	3363.1	4060.9	4403.8	4635.4	4617.5	4364.7	4136.2	3736.2	3372.1
85°	685.9	740.0	803.2	1043.8	1170.2	1428.8	1591.2	1666.5	1693.5	1555.3	1407.8
87.5°	66.1	45.1	75.3	57.2	81.3	60.1	81.3	75.3	93.2	99.2	108.3
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°	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	700.9	697.8	694.9	692.0	688.8	685.9	679.9	679.9	673.9	670.8	667.8
5°	779.1	773.1	770.1	764.1	755.0	748.9	740.0	727.9	719.0	715.9	709.9
7.5°	878.5	863.3	857.3	848.3	836.3	818.2	806.1	797.2	782.2	773.1	755.0
10°	989.7	974.5	956.6	938.6	920.5	899.5	884.3	872.4	848.3	836.3	815.3
12.5°	1131.1	1104.1	1082.9	1058.9	1034.8	1010.7	992.6	956.6	935.5	908.4	890.3
15°	1275.4	1251.3	1227.4	1197.2	1161.1	1122.0	1104.1	1070.8	1043.8	1001.8	977.7
17.5°	1449.9	1404.7	1368.7	1332.6	1299.5	1263.3	1227.4	1176.2	1137.1	1101.0	1052.9
20°	1621.4	1567.3	1528.0	1480.0	1432.0	1374.8	1332.6	1296.4	1242.3	1194.3	1143.1
22.5°	1804.8	1750.7	1687.5	1639.5	1573.3	1528.0	1471.0	1410.8	1356.7	1293.5	1230.3
25°	2027.5	1970.3	1898.1	1834.9	1759.7	1696.6	1627.4	1558.2	1492.0	1419.9	1338.6
27.5°	2301.3	2241.0	2162.8	2087.6	1988.4	1910.2	1844.1	1750.7	1666.5	1576.3	1482.9
30°	2647.1	2580.9	2484.7	2376.4	2277.2	2189.8	2096.7	1973.4	1880.0	1771.7	1651.5
32.5°	3098.4	3020.1	2890.8	2788.5	2665.2	2550.8	2421.5	2298.2	2165.9	2024.5	1886.1
35°	3666.9	3594.8	3444.2	3293.9	3158.5	3023.2	2860.8	2719.4	2532.9	2361.4	2183.8
37.5°	4256.6	4127.1	3988.8	3826.4	3657.8	3495.4	3296.8	3101.4	2887.8	2701.3	2478.7
40°	4930.3	4773.9	4659.5	4485.1	4247.4	4015.8	3832.4	3588.7	3320.9	3071.2	2809.6
42.5°	5853.8	5679.4	5474.8	5210.1	5038.6	4767.9	4530.2	4241.4	3889.4	3609.7	3293.9
45°	6921.7	6684.1	6485.5	6229.8	6022.3	5685.4	5408.7	5023.6	4671.6	4304.6	3919.6
47.5°	8140.0	7845.1	7556.3	7303.7	6972.9	6641.9	6290.1	5880.9	5429.7	5026.5	4569.3
50°	9538.7	9120.5	8720.5	8395.7	7941.4	7559.4	7177.3	6717.1	6217.7	5754.5	5234.0
52.5°	11093.9	10609.7	10080.3	9580.9	9054.4	8564.1	8103.8	7574.4	7018.0	6452.5	5871.9
55°	12971.0	12607.0	11984.4	11349.7	10645.6	9990.0	9397.3	8741.7	8064.7	7321.8	6711.1
57.5°	15910.0	15732.5	15212.0	14577.4	13659.9	12862.7	11858.0	11054.8	10074.3	9051.5	8263.3
60°	19892.8	19673.0	19381.3	18866.9	18139.0	17056.1	15949.1	14700.7	13208.7	11791.9	10447.3
62.5°	22016.5	21938.1	21700.7	21345.5	20665.8	19811.5	18695.6	17323.7	15639.3	13918.5	12204.0
63°	22079.5	21980.3	21775.7	21414.8	20816.2	19989.0	18893.9	17561.4	15912.9	14159.3	12408.4
65°	21225.3	21186.3	20978.6	20584.5	20175.5	19543.7	18695.6	17549.3	16165.6	14508.2	12766.4
67.5°	18824.9	18707.4	18388.7	18268.3	17982.6	17543.3	16896.6	16108.4	15118.9	13816.3	12312.1
70°	15921.9	15747.4	15347.4	15133.8	14784.9	14508.2	14114.2	13551.6	12940.9	12032.5	10910.5
72.5°	12844.6	12483.7	12116.7	11560.3	11072.9	10579.5	10143.3	9746.4	9075.4	8708.4	7857.2
75°	8341.4	7685.7	7057.1	6214.8	5456.7	4786.0	4133.1	3802.3	3113.4	2833.6	2433.5
77.5°	3958.6	3591.7	3098.4	2716.3	2228.9	1819.9	1486.0	1115.9	875.4	685.9	523.3
80°	3194.5	2884.7	2587.0	2241.0	1874.0	1495.0	1146.1	857.3	607.6	421.1	297.8
82.5°	2848.7	2511.7	2144.7	1907.1	1657.5	1356.7	1113.0	908.4	670.8	490.3	333.9
85°	1107.0	932.5	719.0	586.6	457.2	375.9	339.9	234.5	183.6	144.3	111.2
87.5°	96.3	78.2	63.2	42.2	45.1	24.1	27.0	18.1	15.0	15.0	12.1
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°	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	664.7	661.8	658.7	652.7	652.7	646.8	643.7	640.8	625.6	592.6	565.5
5°	697.8	692.0	685.9	676.8	670.8	661.8	655.8	646.8	613.6	550.6	496.3
7.5°	746.0	734.0	725.0	706.9	697.8	685.9	676.8	661.8	607.6	511.3	436.2
10°	803.2	782.2	767.0	746.0	727.9	713.0	697.8	676.8	601.5	469.3	382.0
12.5°	872.4	848.3	818.2	794.1	770.1	748.9	727.9	700.9	592.6	433.1	339.9
15°	941.5	905.5	884.3	851.2	818.2	788.0	758.1	734.0	595.7	394.0	303.8
17.5°	1019.7	983.7	938.6	902.4	866.4	827.3	791.1	742.9	580.5	364.1	276.7
20°	1094.9	1043.8	1001.8	956.6	905.5	857.3	812.2	770.1	568.5	333.9	252.6
22.5°	1176.2	1115.9	1061.9	1004.7	941.5	887.4	833.2	779.1	547.5	306.9	231.6
25°	1275.4	1206.2	1128.0	1058.9	992.6	926.5	857.3	791.1	526.5	282.8	216.6
27.5°	1395.8	1305.5	1227.4	1140.0	1046.9	962.7	887.4	815.3	505.4	264.7	201.5
30°	1549.2	1443.8	1332.6	1221.3	1122.0	1025.7	920.5	830.2	484.3	246.6	186.5
32.5°	1753.8	1621.4	1486.0	1356.7	1224.3	1101.0	989.7	872.4	472.2	231.6	171.5
35°	2024.5	1853.0	1687.5	1525.1	1365.6	1215.3	1070.8	938.6	472.2	213.5	153.4
37.5°	2280.1	2081.7	1871.1	1669.4	1480.0	1305.5	1134.0	974.5	448.3	198.6	138.5
40°	2556.8	2319.2	2072.6	1834.9	1606.4	1389.8	1194.3	1010.7	427.1	180.5	123.3
42.5°	2981.0	2680.3	2358.5	2081.7	1807.9	1540.1	1296.4	1079.9	400.0	162.4	108.3
45°	3537.6	3155.4	2776.6	2439.6	2090.7	1762.8	1474.0	1206.2	394.0	147.4	93.2
47.5°	4133.1	3681.9	3236.7	2806.5	2397.5	2015.4	1669.4	1347.6	394.0	132.4	81.3
50°	4725.7	4160.3	3685.0	3185.6	2725.4	2274.1	1862.0	1495.0	397.1	120.4	66.1
52.5°	5261.3	4656.6	4124.1	3546.5	3038.2	2514.8	2066.5	1639.5	391.1	105.2	54.1
55°	6004.2	5294.3	4677.6	4039.9	3444.2	2854.8	2346.4	1855.9	394.0	93.2	45.1
57.5°	7372.9	6539.6	5796.7	4960.4	4274.5	3513.5	2896.8	2301.3	430.2	78.2	33.1
60°	9337.2	8254.3	7210.5	6190.7	5318.4	4412.9	3612.7	2911.9	505.4	63.2	24.1
62.5°	10657.7	9240.9	7995.7	6870.6	5856.8	4909.3	4036.8	3239.7	556.4	51.1	15.0
63°	10793.1	9328.2	8076.8	6915.7	5880.9	4933.4	4054.9	3263.8	559.5	48.0	15.0
65°	11048.8	9478.6	8121.9	6924.7	5856.8	4900.3	4042.9	3260.8	565.5	39.1	12.1
67.5°	10757.1	9246.9	7860.3	6666.0	5646.1	4704.7	3892.5	3140.5	562.4	27.0	9.0
70°	9620.0	8368.7	7150.3	6037.2	5110.7	4259.5	3543.6	2863.7	517.3	18.1	6.0
72.5°	7063.1	6211.7	5267.3	4464.1	3850.3	3197.6	2728.4	2150.8	400.0	12.1	2.9
75°	2093.6	1907.1	1603.3	1413.9	1248.4	1031.7	917.6	715.9	204.6	6.0	0.0
77.5°	418.1	379.0	339.9	309.8	291.7	249.7	237.7	195.5	84.2	2.9	0.0
80°	219.6	180.5	153.4	135.4	117.3	96.3	81.3	66.1	15.0	0.0	0.0
82.5°	210.6	141.4	102.3	84.2	72.2	57.2	45.1	33.1	9.0	0.0	0.0
85°	78.2	60.1	45.1	36.2	30.1	27.0	21.0	18.1	0.0	0.0	0.0
87.5°	12.1	9.0	9.0	6.0	6.0	2.9	2.9	2.9	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°	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	538.5	514.4	502.3	487.4	487.4	484.3	490.3
5°	448.3	415.2	391.1	373.0	375.9	367.0	370.1
7.5°	379.0	346.0	324.8	312.9	309.8	306.9	306.9
10°	327.9	297.8	279.7	270.7	267.8	267.8	267.8
12.5°	291.7	261.8	246.6	240.6	240.6	237.7	237.7
15°	261.8	237.7	222.7	216.6	216.6	213.5	216.6
17.5°	237.7	213.5	201.5	195.5	195.5	192.5	192.5
20°	216.6	195.5	183.6	174.4	174.4	171.5	174.4
22.5°	198.6	177.6	162.4	156.4	153.4	150.3	153.4
25°	180.5	159.5	144.3	135.4	132.4	132.4	129.3
27.5°	165.5	144.3	126.4	117.3	114.4	114.4	111.2
30°	150.3	126.4	108.3	99.2	96.3	96.3	96.3
32.5°	135.4	108.3	93.2	84.2	81.3	81.3	81.3
35°	120.4	93.2	78.2	69.2	66.1	66.1	66.1
37.5°	102.3	78.2	60.1	54.1	51.1	48.0	48.0
40°	87.3	60.1	45.1	39.1	33.1	33.1	33.1
42.5°	72.2	48.0	33.1	24.1	21.0	18.1	21.0
45°	60.1	36.2	21.0	12.1	9.0	9.0	9.0
47.5°	48.0	24.1	9.0	2.9	2.9	2.9	2.9
50°	36.2	15.0	2.9	0.0	0.0	2.9	2.9
52.5°	27.0	9.0	0.0	0.0	0.0	0.0	0.0
55°	15.0	2.9	0.0	0.0	0.0	0.0	0.0
57.5°	9.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	6.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.9	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)