

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: P151456

Luminaire Tested: **AVS-F01-LED-E-U-SL3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P151456
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F01-LED-E-U-SL3-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2571.9 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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

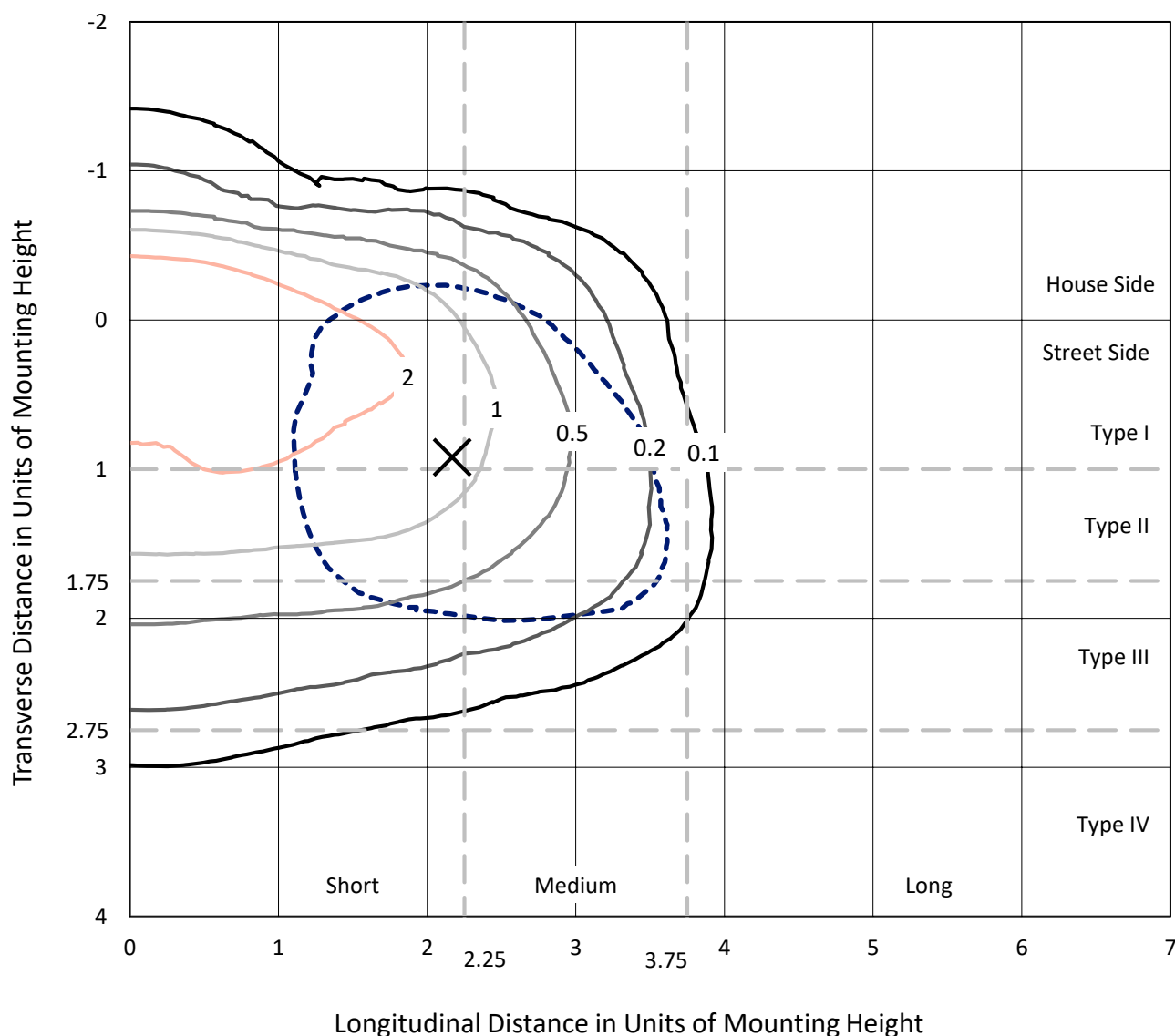


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

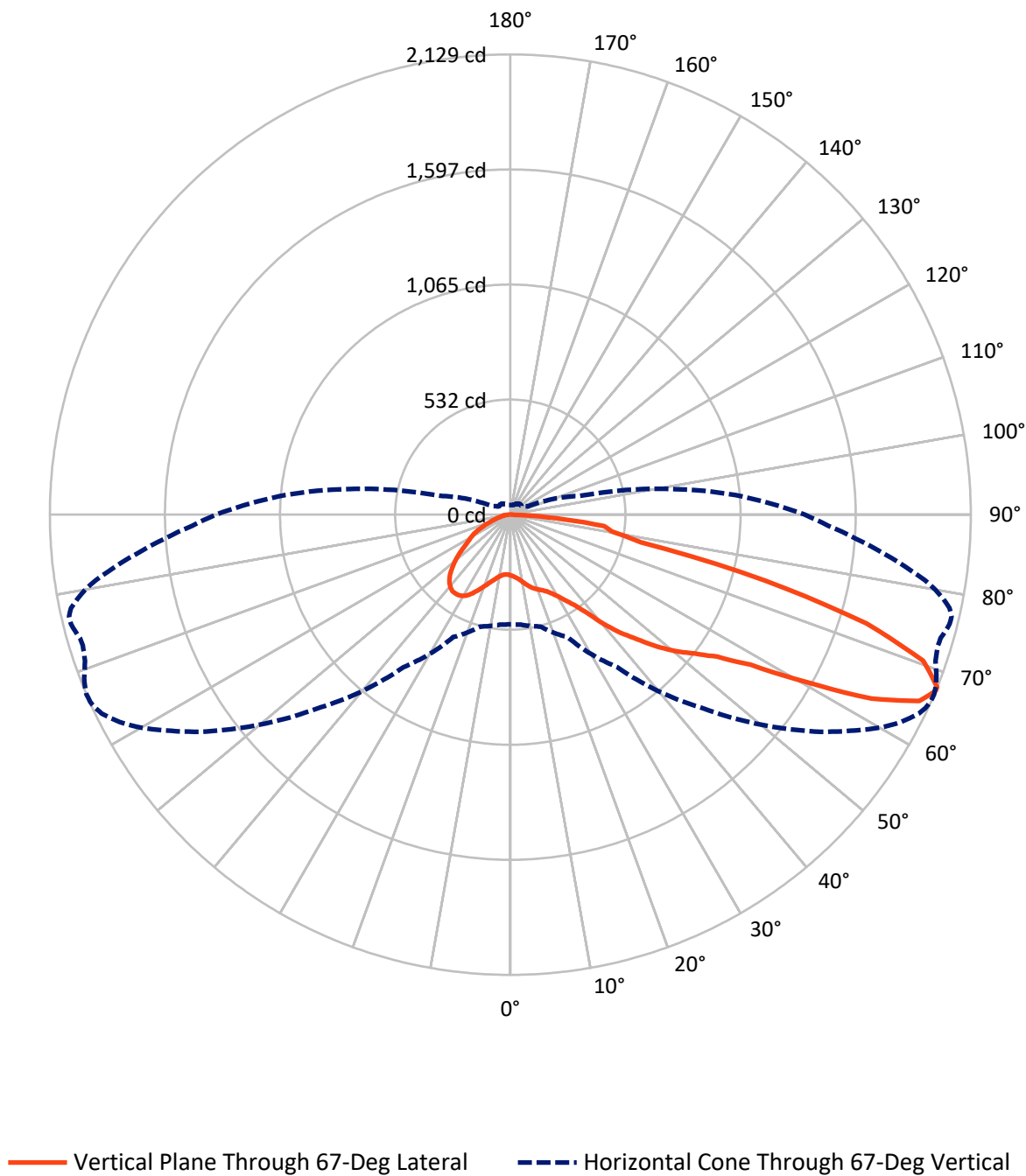


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.5	0.0	593.5
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1978.4	0.0	1978.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	2571.9	0.0	2571.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	1.1
10°-20°	95.9	3.7
20°-30°	169.4	6.6
30°-40°	243.1	9.5
40°-50°	369.2	14.4
50°-60°	543.6	21.1
60°-70°	722.4	28.1
70°-80°	353.4	13.7
80°-90°	46.9	1.8
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°	2571.9	100.0
0°-180°	2571.9	100.0

Coefficient of Utilization



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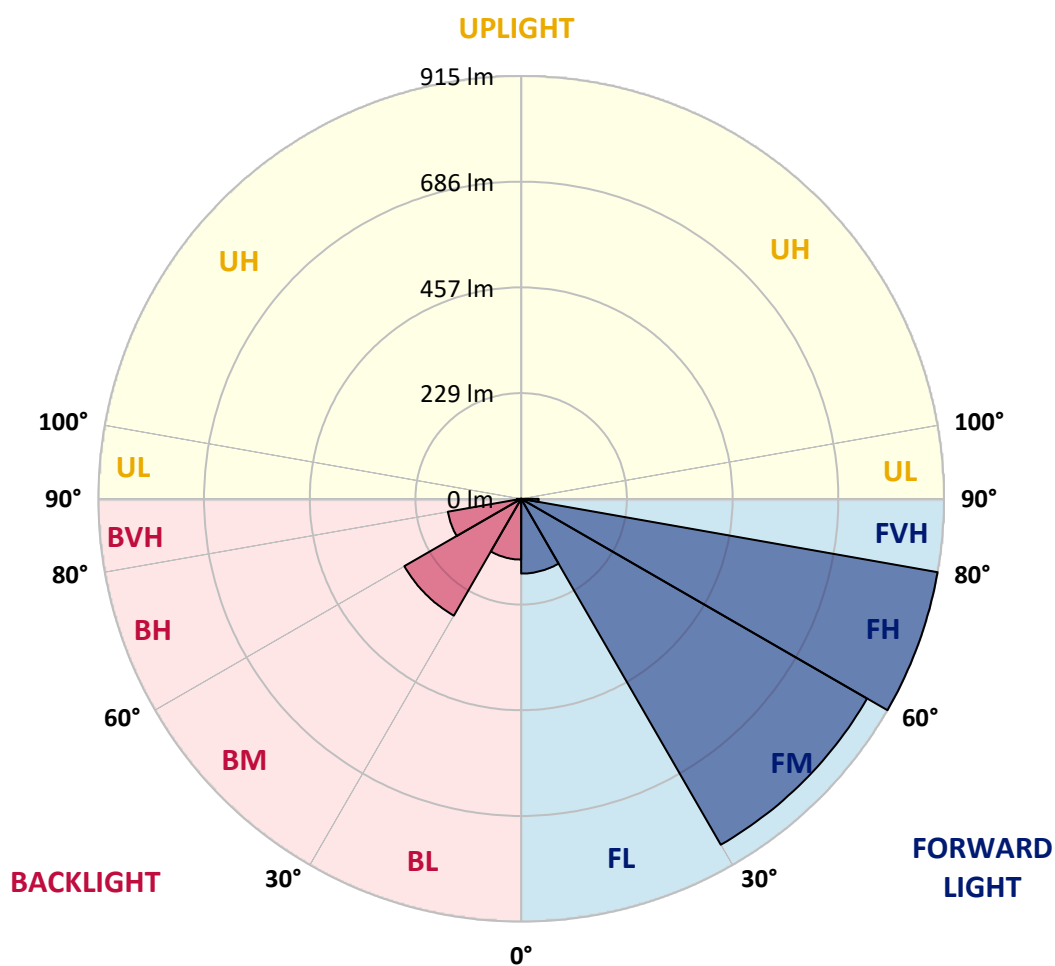
CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.8	6.3			
FM	(30°-60°)	864.1	33.6			
FH	(60°-80°)	914.8	35.6			G1/1800
FVH	(80°-90°)	37.7	1.5			G1/100
BL	(0°-30°)	131.4	5.1	B1/500		
BM	(30°-60°)	291.8	11.3	B1/1000		
BH	(60°-80°)	161.0	6.3	B1/500		G1/500
BVH	(80°-90°)	9.2	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	294.2	294.5	293.9	293.7	291.9	290.3	289.1	287.8	287.8	287.8	287.2
5°	310.9	309.7	310.6	308.6	305.2	302.1	299.1	296.5	296.0	296.0	294.8
7.5°	330.9	329.5	328.9	326.1	321.0	316.5	310.4	307.8	306.3	305.8	305.2
10°	355.2	355.2	351.5	346.7	340.0	332.0	325.3	320.7	320.5	320.5	317.9
12.5°	380.1	380.6	375.9	371.0	360.0	349.5	341.7	336.6	336.3	335.1	333.8
15°	402.9	401.6	398.4	391.4	379.2	366.7	356.9	351.8	350.7	349.5	348.7
17.5°	421.9	420.4	416.5	407.5	394.7	380.1	367.9	362.6	362.0	361.5	360.3
20°	433.7	432.5	426.9	416.5	403.2	388.3	375.2	371.6	370.5	370.5	369.8
22.5°	440.5	438.8	430.6	416.8	403.7	392.7	382.1	379.8	379.0	379.2	379.2
25°	443.8	442.5	430.9	411.1	398.7	395.5	391.1	389.6	389.9	390.3	390.8
27.5°	444.5	442.5	428.9	403.7	392.2	400.9	404.0	406.3	406.3	407.5	409.4
30°	440.2	437.9	425.0	398.1	389.3	411.7	424.1	430.1	432.3	431.7	436.3
32.5°	432.8	431.4	421.0	398.1	397.3	432.8	454.9	463.3	464.5	465.1	470.2
35°	430.4	430.1	425.5	411.7	421.9	470.2	503.7	510.3	511.6	511.6	515.3
37.5°	429.7	431.2	436.3	437.1	465.1	525.5	569.5	579.4	579.4	582.2	582.2
40°	429.7	432.8	452.0	474.9	517.8	597.5	658.4	669.7	669.7	672.8	671.2
42.5°	446.4	450.9	482.6	526.0	584.5	671.7	741.8	754.5	755.3	754.5	757.0
45°	479.2	483.1	521.6	583.9	653.1	751.4	821.3	836.6	833.5	835.5	836.4
47.5°	522.7	528.8	572.6	647.2	720.0	825.1	910.6	924.5	923.3	924.1	920.5
50°	568.9	575.4	624.2	709.8	786.6	884.4	982.3	1002.9	1000.9	1002.4	1004.4
52.5°	609.8	613.9	661.0	757.0	837.2	939.7	1037.4	1063.1	1067.6	1068.2	1069.5
55°	634.2	639.0	682.2	780.4	873.9	993.9	1100.3	1139.3	1148.1	1150.4	1156.6
57.5°	642.7	647.8	686.9	783.8	894.0	1044.8	1188.2	1256.8	1264.1	1276.3	1296.1
60°	642.4	647.8	681.9	776.2	914.3	1107.7	1324.9	1439.8	1477.0	1489.4	1517.7
62.5°	616.1	622.3	657.1	753.1	940.2	1188.2	1528.1	1704.9	1752.8	1775.4	1806.0
65°	558.5	563.0	595.5	694.3	933.0	1267.5	1698.1	1918.7	1962.4	1995.4	2049.9
67°	507.4	510.3	535.6	624.9	861.2	1270.4	1751.7	1971.7	2009.8	2044.9	2101.0
67.5°	494.4	500.3	520.1	603.7	834.4	1254.2	1748.1	1963.5	2002.5	2038.9	2098.2
70°	402.4	410.9	420.7	476.9	656.0	1055.1	1618.4	1821.8	1856.0	1889.8	1972.5
72.5°	248.2	263.4	265.4	301.0	426.9	729.3	1309.5	1536.3	1562.0	1586.3	1671.0
75°	146.2	148.5	155.5	184.4	250.5	436.0	878.7	1141.2	1165.0	1176.9	1243.2
77.5°	81.6	83.8	89.7	114.6	192.5	293.7	511.6	670.6	685.0	700.0	689.2
80°	33.9	37.0	39.8	46.3	90.1	231.8	351.8	426.3	435.6	444.5	455.4
82.5°	16.4	17.5	21.5	24.6	32.7	95.1	275.9	369.6	380.6	393.4	419.1
85°	7.7	8.5	11.8	14.1	15.9	24.0	92.3	179.9	195.1	197.9	203.0
87.5°	0.5	0.5	1.5	2.0	2.8	3.1	9.6	13.6	15.2	13.9	17.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	286.8	286.6	286.0	286.0	285.7	285.7	285.7	285.2	285.2	285.2	284.9
5°	294.5	294.2	293.4	293.4	292.8	292.8	291.9	291.7	291.1	291.1	290.9
7.5°	304.4	304.1	303.0	303.0	302.1	301.9	301.2	300.4	300.4	299.9	299.3
10°	317.9	317.1	316.8	315.4	315.6	315.1	314.5	313.7	313.2	312.5	312.0
12.5°	333.2	333.2	331.8	330.9	331.5	330.9	329.8	329.5	328.7	328.7	327.8
15°	347.6	347.6	347.0	345.9	346.2	345.3	345.1	344.5	343.3	343.6	343.3
17.5°	360.0	360.0	359.2	358.5	358.5	357.7	358.0	357.5	356.9	356.6	355.8
20°	369.8	369.8	369.3	368.8	369.0	369.0	368.2	368.2	368.2	367.7	367.7
22.5°	379.5	379.8	379.8	379.8	380.1	380.3	380.1	380.6	380.3	380.9	380.9
25°	392.2	393.1	393.6	393.6	395.0	395.3	395.5	396.5	396.5	397.3	397.5
27.5°	411.1	411.7	413.9	414.5	414.8	417.0	417.3	418.4	419.6	419.9	420.1
30°	437.1	438.5	440.2	441.3	441.3	444.1	445.3	444.7	447.8	448.7	449.8
32.5°	471.8	473.0	474.6	475.8	476.9	478.3	478.5	480.0	482.6	484.8	483.4
35°	515.5	518.4	515.5	518.7	519.6	521.6	520.9	522.7	523.7	524.7	524.4
37.5°	579.1	577.7	577.1	576.1	574.0	580.8	577.4	577.1	575.4	580.2	577.1
40°	662.7	663.5	664.4	659.9	657.3	657.3	656.5	653.4	651.9	656.2	655.6
42.5°	749.9	750.8	746.8	744.0	737.5	736.7	732.7	731.9	730.5	732.7	730.5
45°	829.3	829.8	821.1	822.5	817.4	818.2	812.0	814.6	811.2	813.5	817.7
47.5°	917.9	919.1	911.5	914.5	909.4	906.3	906.1	907.8	904.1	906.3	907.5
50°	998.4	997.0	993.1	993.9	991.6	992.2	988.8	991.9	987.7	992.2	991.6
52.5°	1069.8	1068.2	1067.4	1070.2	1068.2	1068.2	1066.2	1067.6	1068.2	1074.9	1076.4
55°	1156.6	1157.9	1159.4	1164.5	1166.7	1163.0	1166.7	1173.8	1174.1	1190.2	1198.9
57.5°	1295.8	1305.6	1310.7	1313.8	1327.0	1325.7	1334.1	1351.1	1352.7	1390.1	1411.8
60°	1538.5	1556.1	1572.7	1563.7	1590.6	1598.8	1603.8	1635.4	1645.3	1680.6	1699.5
62.5°	1845.2	1847.2	1873.2	1865.0	1880.2	1876.6	1882.8	1897.2	1910.2	1939.3	1957.0
65°	2059.3	2068.6	2078.8	2068.3	2068.0	2055.5	2047.7	2047.4	2055.3	2061.5	2081.2
67°	2117.4	2126.7	2129.2	2121.7	2110.7	2094.8	2080.1	2072.5	2067.5	2070.3	2082.7
67.5°	2116.9	2125.6	2128.7	2121.3	2106.1	2092.8	2077.3	2068.6	2061.8	2063.2	2073.7
70°	1996.6	2015.4	2025.6	2027.9	2025.9	2002.8	1989.5	1981.6	1976.0	1962.1	1961.2
72.5°	1691.6	1714.5	1722.4	1735.1	1740.7	1706.5	1692.1	1700.9	1681.1	1637.4	1639.4
75°	1242.1	1243.8	1217.2	1212.1	1193.3	1115.9	1092.7	1071.5	1037.6	984.9	935.1
77.5°	647.5	647.2	616.7	601.1	578.5	531.9	529.7	491.9	465.3	417.0	399.6
80°	460.0	467.3	477.5	482.6	474.6	456.6	431.7	404.9	374.1	343.9	307.8
82.5°	427.8	432.3	437.6	417.9	406.8	381.5	362.6	323.6	301.9	267.4	231.0
85°	208.1	222.0	211.2	198.8	194.5	152.2	147.2	122.8	111.5	91.8	85.6
87.5°	13.3	16.4	14.7	13.3	11.6	6.5	8.7	6.2	6.5	4.8	4.2
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	284.9	284.7	284.4	284.0	283.7	283.7	283.5	283.2	282.9	282.4	282.4
5°	290.3	290.3	289.9	289.4	289.4	288.8	288.0	287.8	287.8	287.2	286.6
7.5°	299.1	298.8	298.1	297.9	297.3	296.8	296.2	295.6	295.3	294.5	294.2
10°	312.3	311.7	310.4	309.7	309.4	308.9	308.3	307.8	306.9	306.3	306.1
12.5°	327.3	326.9	325.8	326.4	325.0	324.5	323.8	322.5	323.0	321.9	321.3
15°	342.2	342.5	342.0	342.0	340.8	340.0	339.4	338.2	338.0	337.4	336.9
17.5°	355.4	356.1	355.2	354.6	354.1	353.5	352.4	351.3	351.3	350.2	349.5
20°	367.7	368.2	367.9	367.4	366.5	366.2	365.7	364.8	364.8	364.2	363.4
22.5°	381.5	381.8	381.8	381.5	380.6	380.9	380.3	379.5	379.8	378.7	378.7
25°	398.1	398.7	399.3	399.6	399.0	399.3	398.7	398.1	397.8	398.1	397.8
27.5°	421.0	421.6	423.2	421.9	423.2	423.5	422.7	421.6	422.4	423.8	423.0
30°	451.2	450.7	453.0	453.2	453.0	453.2	452.6	451.8	452.3	454.9	453.5
32.5°	485.1	486.2	486.7	487.4	488.2	489.3	488.5	487.7	489.0	488.2	490.2
35°	526.0	528.6	529.4	528.6	529.1	531.1	530.9	531.1	534.0	531.1	534.8
37.5°	577.7	580.2	582.2	581.1	582.5	582.5	584.8	591.0	587.0	592.1	596.1
40°	652.8	656.8	657.1	656.8	658.1	659.9	662.2	668.9	664.4	669.7	673.5
42.5°	730.2	735.0	736.7	733.9	737.0	740.6	740.9	746.8	747.2	748.0	749.9
45°	817.4	821.7	825.1	823.6	823.9	828.7	827.6	833.3	829.0	829.0	830.2
47.5°	910.4	914.3	916.6	918.8	916.0	920.2	922.2	921.0	916.0	914.8	908.1
50°	995.0	998.4	1001.8	1008.0	1007.8	1009.7	1011.1	1006.0	1004.9	998.7	991.1
52.5°	1084.9	1093.6	1101.2	1114.2	1116.2	1122.9	1120.4	1111.9	1110.5	1100.3	1090.2
55°	1209.9	1235.0	1246.0	1266.1	1279.7	1279.4	1273.7	1272.3	1261.6	1241.2	1229.1
57.5°	1427.6	1466.8	1485.8	1511.7	1516.0	1513.5	1506.1	1493.2	1474.5	1440.3	1418.2
60°	1741.9	1766.1	1788.2	1794.4	1797.5	1792.7	1767.0	1738.2	1701.8	1654.6	1615.3
62.5°	1979.4	2004.1	2020.5	2018.0	1998.5	1974.0	1936.4	1888.1	1837.0	1784.2	1725.5
65°	2100.2	2110.7	2108.1	2088.3	2055.0	2012.1	1957.3	1897.7	1837.6	1775.2	1714.2
67°	2093.7	2094.0	2076.8	2038.3	1995.8	1941.8	1874.8	1809.9	1739.4	1673.8	1601.2
67.5°	2082.1	2080.9	2057.0	2014.9	1968.9	1913.3	1843.8	1776.6	1703.4	1637.4	1562.3
70°	1951.1	1935.3	1881.0	1813.9	1749.7	1674.7	1601.9	1524.8	1442.3	1385.5	1299.2
72.5°	1603.2	1549.8	1456.4	1386.1	1317.5	1219.3	1173.8	1078.0	1020.2	984.0	918.8
75°	928.4	883.7	811.5	745.7	712.4	654.2	626.5	556.3	541.6	541.0	518.4
77.5°	354.4	309.2	262.6	211.5	179.9	142.9	125.9	112.6	102.5	109.5	99.4
80°	265.7	218.5	170.8	124.2	88.7	65.5	56.2	51.9	49.4	47.5	46.0
82.5°	197.9	156.2	121.1	79.1	55.3	41.8	36.2	33.9	32.7	30.8	29.1
85°	66.9	53.7	42.4	29.3	23.1	19.0	17.5	16.9	16.1	14.7	13.9
87.5°	3.6	3.4	3.6	2.8	3.4	2.8	3.1	3.1	3.1	2.8	2.8
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	282.1	282.1	282.1	281.6	280.6	279.0	277.3	275.9	274.4	273.6	273.1
5°	286.3	285.7	285.5	285.2	283.2	279.8	276.7	273.9	271.1	268.8	268.0
7.5°	293.9	292.8	292.5	291.7	289.1	284.0	279.6	275.0	271.1	268.0	266.5
10°	305.5	305.5	303.8	302.7	299.9	293.1	286.6	280.6	275.3	271.9	271.1
12.5°	320.2	320.2	318.8	317.9	314.5	305.8	297.9	290.9	285.7	282.4	282.1
15°	335.4	335.1	334.0	332.8	329.2	319.9	312.0	305.8	301.6	297.6	296.5
17.5°	349.0	349.0	347.6	346.4	342.8	334.9	327.8	323.3	318.5	310.4	304.1
20°	362.6	362.8	361.7	360.6	357.5	350.7	347.6	343.1	332.3	314.5	299.9
22.5°	377.5	378.7	377.2	376.1	373.6	370.8	369.6	358.9	336.3	307.8	286.3
25°	396.7	398.7	397.0	396.5	395.0	395.9	392.4	367.7	330.7	293.1	266.2
27.5°	423.0	423.0	423.2	423.2	422.7	425.8	413.4	367.9	318.2	274.2	242.3
30°	453.8	455.4	454.9	454.9	457.1	459.1	425.0	361.7	302.4	250.8	212.8
32.5°	490.8	492.1	492.7	490.2	499.2	489.0	429.2	350.4	282.9	221.7	177.9
35°	535.3	537.3	538.8	539.1	545.0	515.0	426.9	333.8	254.9	185.2	139.5
37.5°	593.5	597.5	600.6	602.0	602.3	537.0	420.7	311.7	218.5	144.6	103.9
40°	670.9	675.1	674.3	677.1	661.0	550.1	406.6	279.8	173.4	106.2	80.2
42.5°	745.4	746.0	747.2	744.6	711.8	556.8	386.8	240.8	129.8	79.4	68.6
45°	828.7	823.9	818.5	814.6	758.7	559.4	359.7	193.4	91.8	66.6	63.5
47.5°	906.9	900.4	889.4	878.1	800.5	555.4	325.0	144.9	69.7	61.0	60.1
50°	983.7	971.6	956.1	943.1	840.6	549.4	286.6	104.5	61.0	58.1	57.3
52.5°	1078.9	1058.5	1038.2	1021.2	892.8	540.1	246.2	79.4	57.3	56.0	54.8
55°	1209.3	1181.1	1148.4	1124.7	963.7	526.0	203.8	67.2	55.6	54.5	52.8
57.5°	1390.1	1347.7	1310.7	1272.0	1060.5	511.6	167.5	62.4	55.3	53.7	51.4
60°	1574.7	1523.9	1476.7	1421.3	1159.4	497.2	142.1	61.9	56.2	53.7	50.3
62.5°	1670.7	1618.2	1561.5	1505.3	1202.0	463.3	124.6	62.7	58.1	54.5	50.3
65°	1648.7	1584.6	1527.0	1469.6	1152.5	399.3	105.3	63.8	62.1	57.9	51.1
67°	1538.0	1471.1	1415.8	1360.9	1042.5	334.3	90.4	65.0	66.3	61.9	52.8
67.5°	1499.1	1432.1	1377.6	1324.2	1009.9	320.7	86.7	65.5	67.2	63.0	53.4
70°	1242.9	1193.8	1136.0	1094.7	817.7	237.5	71.2	66.6	72.3	69.4	56.0
72.5°	894.5	847.7	804.1	781.2	602.3	166.0	59.9	65.5	75.4	73.2	57.0
75°	475.4	472.6	456.9	468.2	372.7	108.4	52.8	61.2	72.0	66.9	53.1
77.5°	96.0	98.9	116.1	114.4	120.3	60.4	45.2	52.5	55.6	49.1	43.2
80°	44.7	43.7	42.9	43.5	42.6	38.7	36.7	41.2	38.7	31.6	28.8
82.5°	27.7	27.2	26.2	26.0	28.8	30.8	32.2	32.4	25.7	22.1	21.1
85°	13.3	13.3	13.0	13.6	16.9	25.2	27.2	24.0	17.2	15.9	14.9
87.5°	2.6	2.6	2.8	2.6	3.4	5.9	6.7	7.9	6.5	6.7	7.7
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):

	165°	175°	180°
0°	280.9	280.9	280.9
2.5°	272.4	271.9	271.9
5°	266.8	266.5	266.5
7.5°	265.4	265.7	265.4
10°	270.8	270.5	271.6
12.5°	282.6	283.5	283.2
15°	295.0	295.6	295.6
17.5°	298.8	296.8	296.5
20°	289.1	285.5	284.7
22.5°	271.1	264.2	264.6
25°	248.2	240.0	240.5
27.5°	221.7	212.8	212.6
30°	189.7	180.1	175.3
32.5°	151.3	139.8	139.8
35°	113.8	104.5	101.0
37.5°	86.4	81.0	79.4
40°	72.0	69.4	68.9
42.5°	65.5	64.7	64.4
45°	62.1	61.6	61.2
47.5°	59.0	58.8	58.4
50°	56.8	56.5	56.2
52.5°	54.8	54.2	53.9
55°	51.9	51.9	51.9
57.5°	50.3	50.3	49.9
60°	48.6	48.3	48.3
62.5°	47.2	46.6	46.8
65°	46.3	45.5	45.5
67°	45.7	44.0	44.0
67.5°	45.7	43.5	43.5
70°	44.9	41.2	40.6
72.5°	44.0	38.7	37.8
75°	41.8	36.7	35.9
77.5°	35.9	32.7	32.2
80°	27.7	24.0	24.6
82.5°	20.0	17.2	16.9
85°	14.4	12.4	12.4
87.5°	7.7	6.5	6.7
90°	0.0	0.0	0.0

(END OF REPORT)