

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: P149763

Luminaire Tested: **AVS-F03-LED-E-U-SL2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149763
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: AVS-F03-LED-E-U-SL2-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3832.6 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 78.3
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

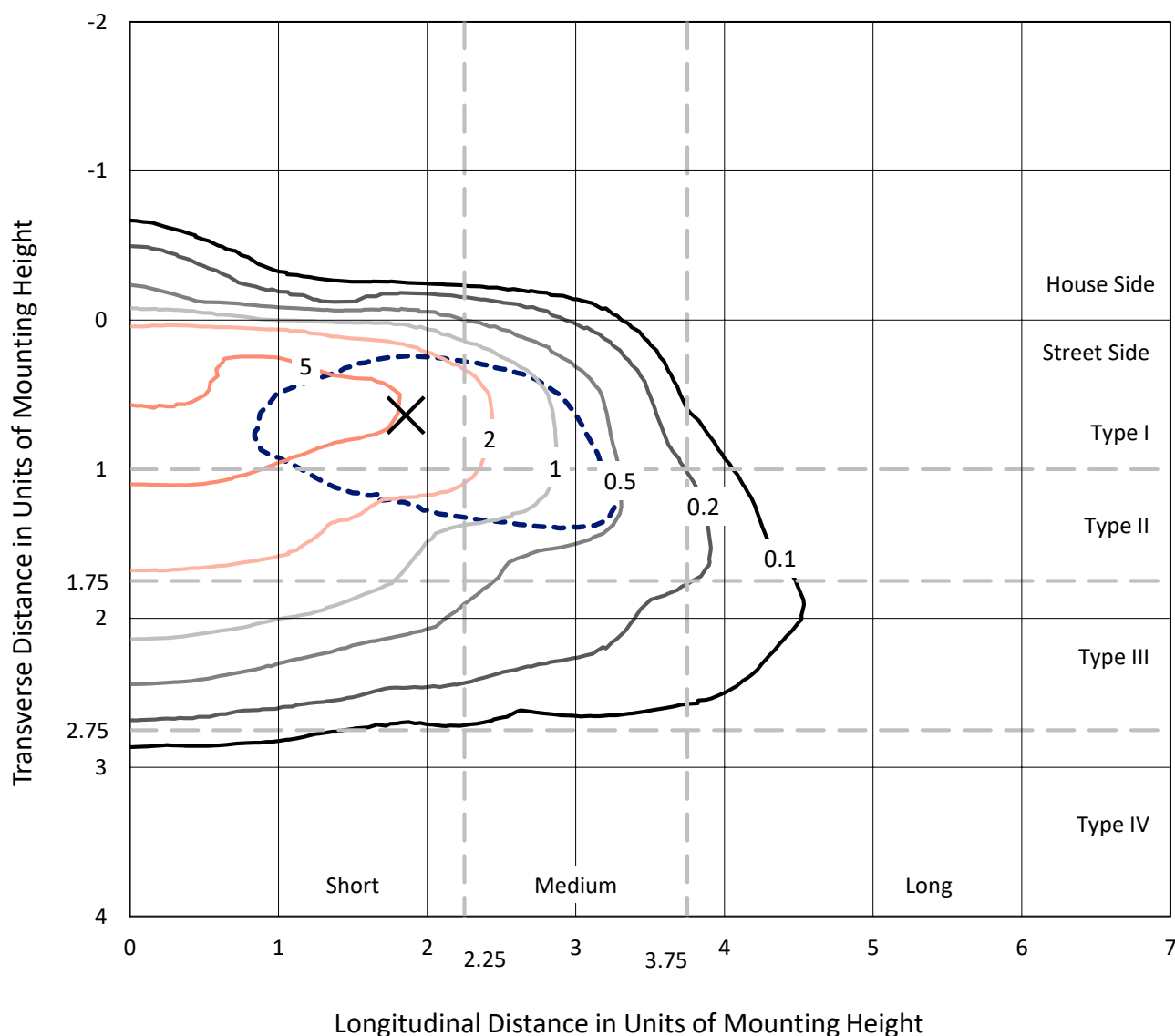


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

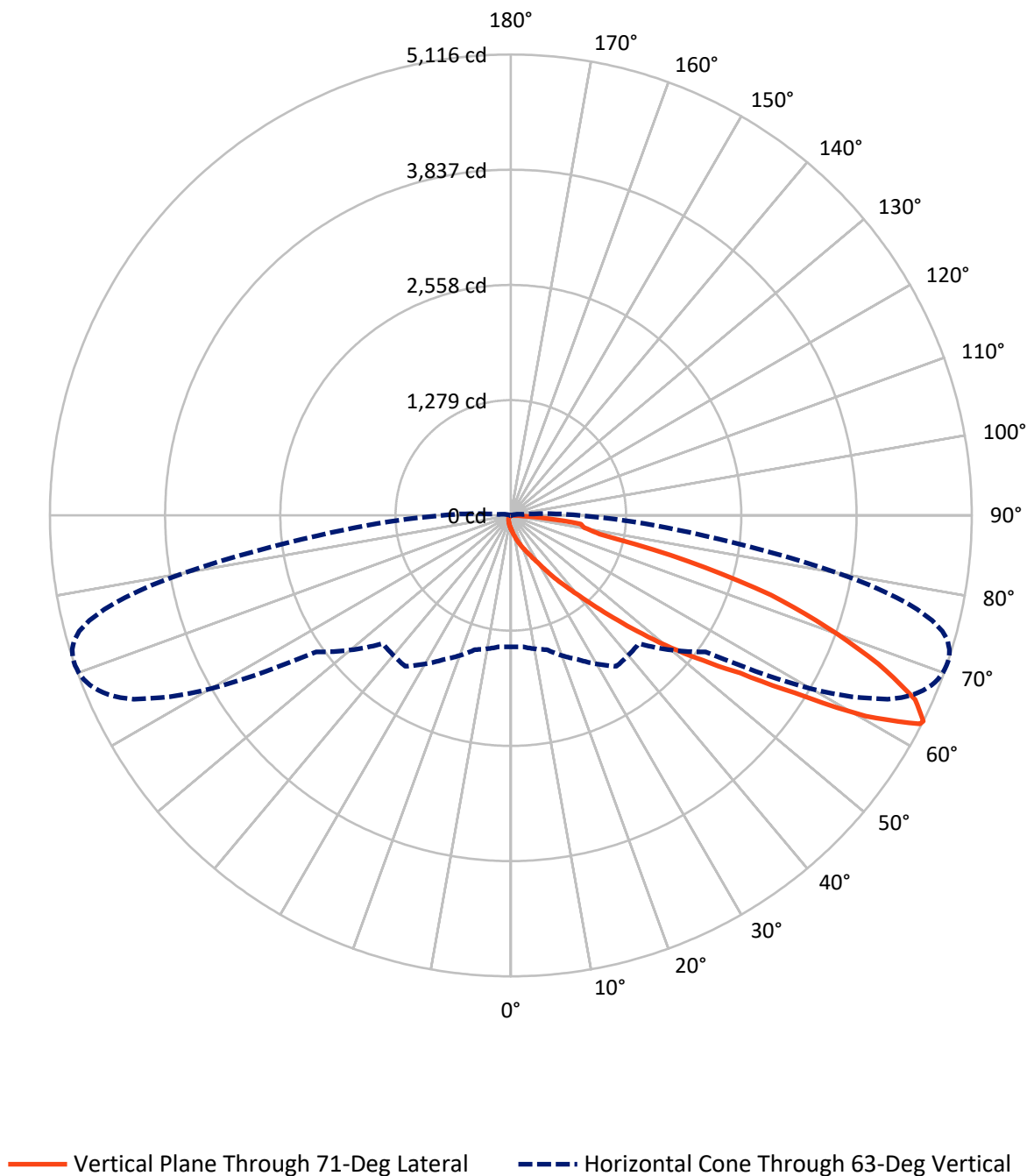


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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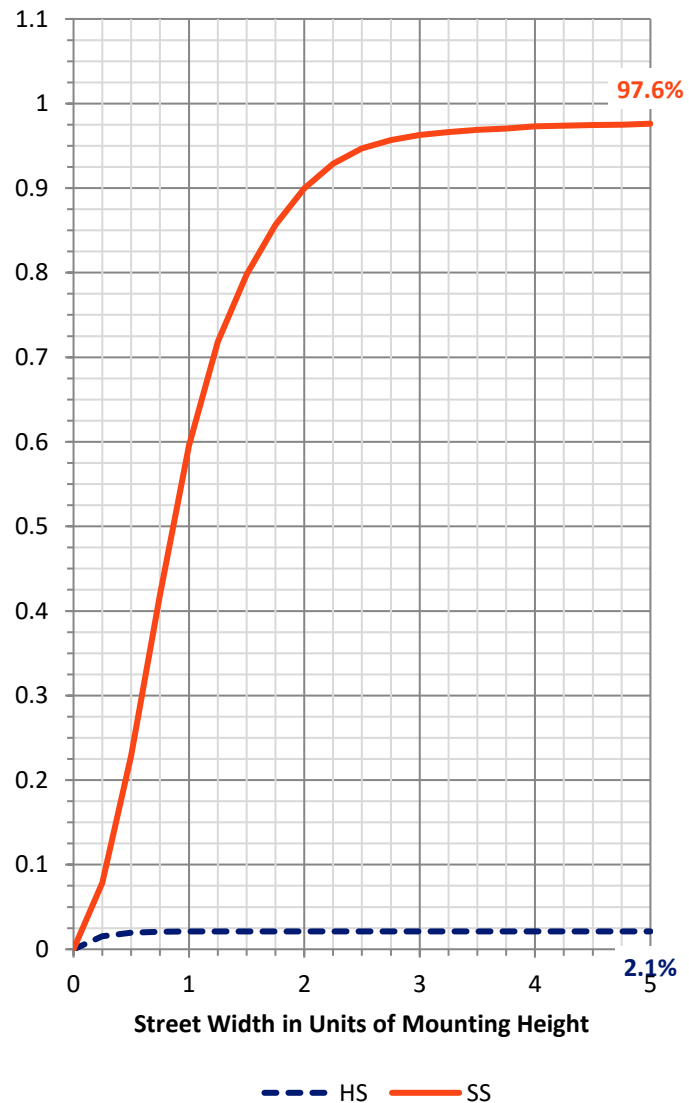
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	81.4	0.0	81.4
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	3751.2	0.0	3751.2
	% Fixture	97.9	0.0	97.9
Total	Lumens	3832.6	0.0	3832.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.4
10°-20°	63.0	1.6
20°-30°	128.0	3.3
30°-40°	312.7	8.2
40°-50°	699.4	18.2
50°-60°	983.4	25.7
60°-70°	1156.4	30.2
70°-80°	417.6	10.9
80°-90°	55.8	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°	3832.6	100.0
0°-180°	3832.6	100.0

Coefficient of Utilization



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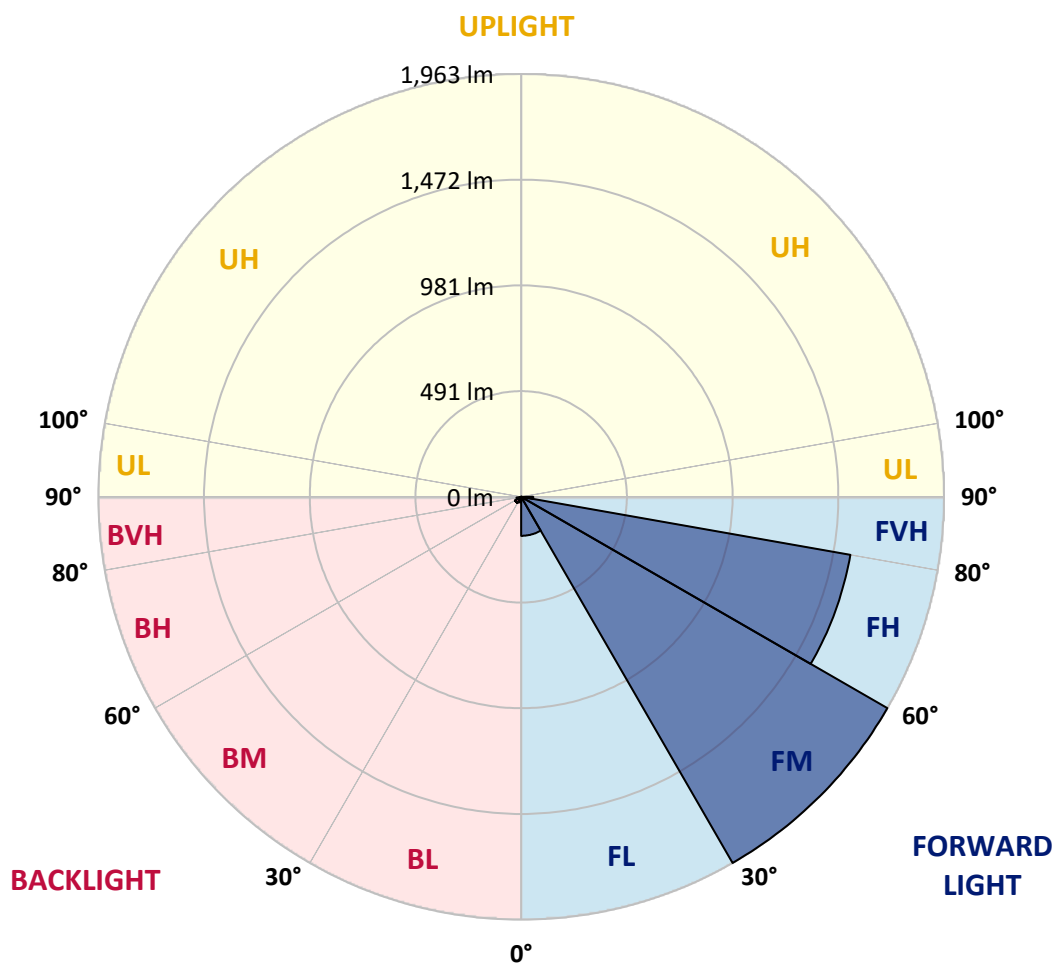
CATALOG NUMBER: AVS-F03-LED-E-U-SL2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.1	4.7			
FM	(30°-60°)	1962.7	51.2			
FH	(60°-80°)	1551.7	40.5			G1/1800
FVH	(80°-90°)	55.7	1.5			G1/100
BL	(0°-30°)	26.2	0.7	B0/110		
BM	(30°-60°)	32.8	0.9	B0/220		
BH	(60°-80°)	22.3	0.6	B0/110		G0/110
BVH	(80°-90°)	0.1	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	192.3	194.4	193.0	189.5	185.3	179.8	174.9	174.9	174.2	172.1	172.7
5°	252.2	253.0	250.2	241.8	234.1	222.3	209.0	207.7	206.2	204.1	203.4
7.5°	310.8	313.6	310.8	301.7	286.3	268.3	247.4	245.3	241.0	241.0	238.2
10°	370.7	370.7	367.9	357.4	343.5	317.7	291.2	287.8	282.9	281.5	277.3
12.5°	413.2	413.2	411.8	406.2	395.0	372.0	340.0	336.5	330.3	328.2	323.3
15°	429.8	429.8	430.6	435.4	436.2	425.7	392.2	389.4	383.2	377.6	375.5
17.5°	440.3	439.7	439.7	446.6	459.2	466.1	444.6	441.8	434.7	432.0	425.0
20°	463.3	462.0	457.7	457.7	469.6	494.0	494.0	493.3	485.6	483.5	480.0
22.5°	497.5	496.1	483.5	473.1	478.7	509.3	537.9	536.5	533.7	530.9	528.8
25°	553.2	548.3	526.7	496.1	491.2	523.9	571.3	574.8	576.9	576.9	578.3
27.5°	637.5	631.2	593.0	535.8	514.2	547.7	608.3	615.2	621.5	622.9	629.1
30°	754.6	743.4	688.4	604.8	555.3	582.5	662.6	670.3	679.3	682.1	691.8
32.5°	946.8	940.6	887.7	762.3	656.4	650.8	738.5	748.3	760.1	765.0	776.9
35°	1239.5	1240.9	1197.7	1084.8	938.5	861.9	874.4	882.8	886.9	901.6	907.9
37.5°	1438.0	1441.6	1451.3	1406.7	1302.2	1224.1	1125.9	1135.0	1113.4	1115.4	1116.2
40°	1546.7	1557.9	1615.0	1658.2	1649.8	1604.6	1525.8	1530.8	1490.4	1481.2	1437.4
42.5°	1619.2	1633.9	1725.1	1858.9	1927.2	1968.3	1950.2	1948.1	1916.7	1904.9	1868.0
45°	1664.5	1677.7	1792.7	1989.8	2147.4	2267.2	2316.7	2322.2	2295.8	2283.9	2253.3
47.5°	1662.4	1677.7	1801.0	2038.7	2270.7	2462.3	2601.7	2608.6	2624.6	2614.2	2616.3
50°	1570.5	1585.1	1709.1	1955.8	2234.4	2551.4	2806.4	2828.7	2854.5	2871.9	2880.3
52.5°	1459.0	1469.4	1579.5	1813.6	2079.8	2514.5	2927.7	2966.0	3004.4	3037.1	3060.1
55°	1417.8	1429.7	1516.1	1710.5	1955.8	2359.8	2984.1	3040.5	3094.9	3148.5	3192.4
57.5°	1439.5	1450.6	1512.6	1661.8	1881.9	2196.8	3000.1	3088.0	3177.1	3264.2	3350.6
60°	1518.9	1530.8	1583.7	1707.0	1862.4	2102.8	2937.4	3083.0	3231.5	3383.3	3526.2
62.5°	1487.6	1492.4	1570.5	1786.4	2001.8	2022.6	2709.6	2913.1	3139.5	3373.6	3604.2
63°	1457.6	1463.1	1542.6	1764.9	2044.2	2010.8	2639.3	2853.8	3092.8	3345.1	3595.9
65°	1321.7	1322.4	1383.0	1558.5	1996.9	2031.7	2325.7	2530.6	2805.1	3107.5	3424.5
67.5°	986.5	981.7	1040.2	1174.0	1567.7	2032.3	1996.2	2111.1	2302.0	2570.3	2854.5
70°	349.7	342.1	436.9	622.2	976.8	1662.4	1715.3	1723.0	1776.0	1920.9	2099.3
72.5°	113.6	115.6	139.4	227.9	450.1	1119.0	1553.1	1529.3	1515.4	1514.7	1538.3
75°	45.3	46.0	55.8	101.0	202.1	539.3	1360.0	1373.3	1378.1	1385.1	1392.7
77.5°	21.6	23.7	31.4	56.5	100.3	266.8	973.4	1085.5	1149.6	1199.1	1229.0
80°	7.7	9.0	17.4	34.8	46.6	122.6	512.7	618.7	712.7	834.0	938.5
82.5°	0.0	0.0	3.5	24.4	25.8	49.4	210.4	246.6	282.2	365.8	469.6
85°	0.0	0.0	0.0	6.9	7.7	8.4	71.1	85.7	96.2	112.1	129.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.1	4.1	10.5	16.1
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	171.4	170.7	170.7	169.3	168.6	167.3	166.5	164.5	163.7	163.7	163.7
5°	202.8	200.0	198.5	195.1	193.0	192.3	188.8	187.5	185.3	186.0	182.6
7.5°	237.6	232.7	230.6	225.7	224.4	219.5	218.0	214.6	212.5	208.3	206.9
10°	276.0	269.6	266.1	258.4	256.4	253.0	248.7	244.6	241.0	236.9	234.8
12.5°	319.8	314.2	311.4	301.0	296.1	291.2	285.7	280.1	274.5	271.0	266.1
15°	371.4	362.3	359.5	349.7	341.5	335.1	327.5	320.5	316.3	309.3	304.5
17.5°	422.2	413.2	411.1	396.5	387.4	383.2	374.8	365.8	358.1	351.2	343.5
20°	473.1	466.8	461.2	447.3	437.5	430.6	419.5	410.4	404.1	394.3	384.6
22.5°	523.9	517.7	513.5	498.9	489.8	480.0	470.3	460.5	451.5	439.7	428.5
25°	576.2	572.0	569.9	556.7	548.3	539.3	529.5	518.3	507.3	494.0	482.2
27.5°	630.6	631.9	627.8	625.0	616.0	609.6	594.3	586.6	578.3	562.3	547.7
30°	699.5	703.7	702.3	704.4	698.9	694.6	682.8	673.1	663.3	648.0	631.2
32.5°	786.6	792.2	795.0	802.6	799.9	798.4	795.0	781.0	774.1	747.6	740.6
35°	921.0	918.3	930.2	936.4	933.6	932.2	928.1	920.4	912.0	893.3	875.8
37.5°	1096.0	1098.8	1102.9	1090.4	1082.1	1081.3	1068.8	1061.1	1049.3	1028.4	1007.5
40°	1416.5	1399.1	1379.6	1326.6	1303.6	1290.4	1253.5	1243.0	1222.8	1194.2	1172.6
42.5°	1833.2	1815.6	1757.2	1668.7	1621.3	1555.9	1525.8	1488.9	1460.3	1413.7	1388.6
45°	2246.9	2196.8	2189.8	2086.7	2028.2	1941.8	1888.2	1826.1	1761.3	1700.0	1655.4
47.5°	2596.1	2584.9	2550.8	2488.1	2433.7	2361.2	2292.2	2196.8	2129.9	2042.8	1962.7
50°	2875.4	2874.7	2862.2	2826.0	2780.6	2722.2	2661.6	2580.7	2504.8	2398.1	2312.4
52.5°	3084.5	3095.6	3099.8	3088.6	3071.2	3019.7	2989.0	2921.5	2857.3	2766.7	2674.1
55°	3237.7	3278.9	3299.7	3323.4	3318.5	3300.4	3299.1	3255.1	3225.9	3154.1	3088.6
57.5°	3427.3	3494.8	3559.6	3674.6	3678.8	3719.2	3740.1	3760.9	3766.5	3738.0	3716.4
60°	3668.3	3806.2	3928.9	4169.2	4232.0	4330.9	4395.0	4464.7	4523.9	4528.8	4527.4
62.5°	3838.3	4050.8	4248.7	4605.4	4727.4	4841.7	4927.4	4994.9	5036.0	5077.8	5097.3
63°	3843.2	4075.9	4286.3	4654.2	4782.4	4891.1	4972.6	5035.3	5078.5	5103.6	5116.2
65°	3725.5	4007.7	4258.4	4625.0	4745.5	4854.8	4897.3	4938.4	4959.4	4969.1	4932.2
67.5°	3157.6	3433.5	3726.1	4135.9	4239.0	4369.9	4404.8	4425.7	4435.4	4433.4	4402.0
70°	2361.2	2592.5	2917.9	3386.1	3522.7	3650.9	3730.4	3764.5	3775.6	3772.1	3725.5
72.5°	1648.5	1784.4	2052.5	2573.8	2759.8	2924.2	3022.5	3073.3	3083.7	3062.8	3019.7
75°	1384.5	1391.4	1452.0	1737.0	1911.2	2086.7	2197.5	2229.5	2208.6	2145.3	2035.1
77.5°	1236.0	1251.3	1251.3	1293.9	1328.0	1376.8	1387.2	1309.1	1218.5	1101.6	1006.7
80°	1036.8	1090.4	1128.0	1159.4	1162.9	1153.1	1127.4	1083.4	1013.8	924.6	825.6
82.5°	629.8	735.8	779.0	940.6	1020.0	1073.7	1069.5	1011.0	958.0	865.4	781.0
85°	158.9	171.4	186.0	241.8	271.0	331.0	368.6	386.0	392.2	360.2	326.1
87.5°	15.3	10.5	17.4	13.3	18.9	13.9	18.9	17.4	21.6	23.0	25.1
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	162.4	161.7	160.9	160.2	159.6	158.9	157.5	157.5	156.1	155.3	154.7
5°	180.4	179.1	178.3	177.0	174.9	173.5	171.4	168.6	166.5	165.8	164.5
7.5°	203.4	200.0	198.5	196.5	193.7	189.5	186.7	184.7	181.1	179.1	174.9
10°	229.2	225.7	221.6	217.4	213.2	208.3	204.9	202.1	196.5	193.7	188.8
12.5°	262.0	255.8	250.8	245.3	239.7	234.1	229.9	221.6	216.7	210.4	206.2
15°	295.4	289.8	284.2	277.3	268.9	259.9	255.8	248.1	241.8	232.0	226.4
17.5°	335.9	325.4	317.0	308.7	301.0	292.6	284.2	272.4	263.3	255.0	243.8
20°	375.5	363.0	354.0	342.8	331.6	318.4	308.7	300.3	287.8	276.6	264.8
22.5°	418.0	405.5	390.9	379.7	364.4	354.0	340.7	326.7	314.2	299.6	285.0
25°	469.6	456.4	439.7	425.0	407.6	393.0	376.9	360.9	345.6	328.8	310.1
27.5°	533.0	519.1	500.9	483.5	460.5	442.4	427.2	405.5	386.0	365.1	343.5
30°	613.2	597.8	575.5	550.5	527.5	507.3	485.6	457.1	435.4	410.4	382.5
32.5°	717.6	699.5	669.5	645.9	617.3	590.9	560.8	532.3	501.7	468.9	436.9
35°	849.3	832.6	797.7	762.9	731.6	700.2	662.6	629.8	586.6	546.9	505.8
37.5°	985.9	956.0	923.8	886.2	847.3	809.6	763.6	718.3	668.9	625.7	574.1
40°	1142.0	1105.7	1079.3	1038.9	983.8	930.2	887.7	831.2	769.2	711.4	650.8
42.5°	1355.9	1315.4	1268.1	1206.7	1167.0	1104.4	1049.3	982.4	900.8	836.1	762.9
45°	1603.2	1548.2	1502.2	1442.9	1394.8	1316.8	1252.7	1163.5	1082.1	997.0	907.9
47.5°	1885.4	1817.1	1750.2	1691.7	1615.0	1538.3	1456.9	1362.1	1257.6	1164.2	1058.3
50°	2209.3	2112.5	2019.8	1944.6	1839.4	1750.9	1662.4	1555.9	1440.1	1332.8	1212.3
52.5°	2569.5	2457.4	2334.7	2219.1	2097.2	1983.6	1877.0	1754.4	1625.5	1494.5	1360.0
55°	3004.4	2920.0	2775.8	2628.8	2465.7	2313.9	2176.6	2024.7	1868.0	1695.9	1554.4
57.5°	3685.1	3643.9	3523.4	3376.4	3163.8	2979.3	2746.5	2560.5	2333.4	2096.5	1913.9
60°	4607.5	4556.7	4489.0	4369.9	4201.3	3950.5	3694.1	3405.0	3059.4	2731.2	2419.8
62.5°	5099.4	5081.2	5026.2	4944.0	4786.5	4588.7	4330.3	4012.5	3622.3	3223.8	2826.6
63°	5114.0	5091.1	5043.6	4960.1	4821.5	4629.8	4376.2	4067.6	3685.7	3279.6	2874.0
65°	4916.2	4907.2	4859.1	4767.8	4673.1	4526.7	4330.3	4064.8	3744.2	3360.3	2957.0
67.5°	4360.2	4333.0	4259.2	4231.3	4165.1	4063.3	3913.6	3731.0	3501.8	3200.1	2851.7
70°	3687.8	3647.5	3554.7	3505.3	3424.5	3360.3	3269.1	3138.8	2997.3	2786.9	2527.0
72.5°	2975.0	2891.5	2806.4	2677.5	2564.7	2450.5	2349.4	2257.4	2102.1	2017.1	1819.9
75°	1932.0	1780.2	1634.5	1439.5	1263.8	1108.5	957.3	880.7	721.1	656.4	563.6
77.5°	916.9	831.9	717.6	629.1	516.3	421.6	344.1	258.4	202.8	158.9	121.2
80°	739.9	668.2	599.2	519.1	434.1	346.3	265.5	198.5	140.7	97.5	69.0
82.5°	659.8	581.8	496.8	441.8	383.9	314.2	257.8	210.4	155.3	113.6	77.3
85°	256.4	216.0	166.5	135.9	105.9	87.0	78.8	54.3	42.5	33.5	25.8
87.5°	22.3	18.1	14.6	9.7	10.5	5.6	6.3	4.1	3.5	3.5	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	154.0	153.3	152.5	151.2	151.2	149.8	149.1	148.4	144.9	137.3	131.0
5°	161.7	160.2	158.9	156.8	155.3	153.3	151.9	149.8	142.2	127.5	114.9
7.5°	172.7	170.1	167.9	163.7	161.7	158.9	156.8	153.3	140.7	118.4	101.0
10°	186.0	181.1	177.6	172.7	168.6	165.1	161.7	156.8	139.4	108.7	88.5
12.5°	202.1	196.5	189.5	183.9	178.3	173.5	168.6	162.4	137.3	100.3	78.8
15°	218.0	209.7	204.9	197.2	189.5	182.6	175.5	170.1	137.9	91.3	70.4
17.5°	236.2	227.9	217.4	209.0	200.6	191.6	183.2	172.1	134.5	84.4	64.1
20°	253.6	241.8	232.0	221.6	209.7	198.5	188.1	178.3	131.7	77.3	58.5
22.5°	272.4	258.4	245.9	232.7	218.0	205.5	193.0	180.4	126.8	71.1	53.7
25°	295.4	279.4	261.2	245.3	229.9	214.6	198.5	183.2	122.0	65.5	50.2
27.5°	323.3	302.4	284.2	264.0	242.5	223.0	205.5	188.8	117.1	61.3	46.6
30°	358.9	334.4	308.7	282.9	259.9	237.6	213.2	192.3	112.1	57.1	43.2
32.5°	406.2	375.5	344.1	314.2	283.5	255.0	229.2	202.1	109.4	53.7	39.7
35°	468.9	429.2	390.9	353.3	316.3	281.5	248.1	217.4	109.4	49.4	35.5
37.5°	528.1	482.2	433.4	386.7	342.8	302.4	262.7	225.7	103.8	46.0	32.0
40°	592.2	537.2	480.0	425.0	372.0	321.9	276.6	234.1	99.0	41.8	28.6
42.5°	690.5	620.8	546.2	482.2	418.8	356.7	300.3	250.2	92.6	37.6	25.1
45°	819.4	730.9	643.1	565.1	484.2	408.3	341.5	279.4	91.3	34.1	21.6
47.5°	957.3	852.8	749.6	650.1	555.3	466.8	386.7	312.1	91.3	30.7	18.9
50°	1094.6	963.6	853.5	737.8	631.2	526.7	431.3	346.3	92.0	27.9	15.3
52.5°	1218.5	1078.5	955.2	821.5	703.7	582.5	478.7	379.7	90.6	24.4	12.5
55°	1390.7	1226.2	1083.4	935.8	797.7	661.2	543.4	429.8	91.3	21.6	10.5
57.5°	1707.7	1514.7	1342.6	1148.9	990.1	813.8	671.0	533.0	99.6	18.1	7.7
60°	2162.7	1911.8	1670.1	1433.9	1231.8	1022.1	836.8	674.4	117.1	14.6	5.6
62.5°	2468.5	2140.4	1851.9	1591.3	1356.6	1137.1	935.0	750.4	128.9	11.8	3.5
63°	2499.9	2160.6	1870.8	1601.8	1362.1	1142.7	939.2	756.0	129.6	11.2	3.5
65°	2559.1	2195.4	1881.1	1603.8	1356.6	1135.0	936.4	755.2	131.0	9.0	2.8
67.5°	2491.5	2141.8	1820.6	1543.9	1307.8	1089.7	901.6	727.4	130.3	6.3	2.1
70°	2228.2	1938.3	1656.2	1398.3	1183.7	986.5	820.7	663.3	119.8	4.1	1.3
72.5°	1636.0	1438.8	1220.0	1034.0	891.8	740.6	631.9	498.1	92.6	2.8	0.7
75°	485.0	441.8	371.4	327.5	289.1	239.0	212.5	165.8	47.4	1.3	0.0
77.5°	96.9	87.8	78.8	71.8	67.6	57.8	55.0	45.3	19.5	0.7	0.0
80°	50.9	41.8	35.5	31.4	27.2	22.3	18.9	15.3	3.5	0.0	0.0
82.5°	48.8	32.7	23.7	19.5	16.7	13.3	10.5	7.7	2.1	0.0	0.0
85°	18.1	13.9	10.5	8.4	6.9	6.3	4.9	4.1	0.0	0.0	0.0
87.5°	2.8	2.1	2.1	1.3	1.3	0.7	0.7	0.7	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°	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	124.8	119.2	116.4	112.8	112.8	112.1	113.6
5°	103.8	96.2	90.6	86.4	87.0	85.0	85.7
7.5°	87.8	80.1	75.2	72.4	71.8	71.1	71.1
10°	76.0	69.0	64.8	62.7	62.0	62.0	62.0
12.5°	67.6	60.6	57.1	55.8	55.8	55.0	55.0
15°	60.6	55.0	51.6	50.2	50.2	49.4	50.2
17.5°	55.0	49.4	46.6	45.3	45.3	44.6	44.6
20°	50.2	45.3	42.5	40.4	40.4	39.7	40.4
22.5°	46.0	41.1	37.6	36.3	35.5	34.8	35.5
25°	41.8	36.9	33.5	31.4	30.7	30.7	29.9
27.5°	38.3	33.5	29.2	27.2	26.4	26.4	25.8
30°	34.8	29.2	25.1	23.0	22.3	22.3	22.3
32.5°	31.4	25.1	21.6	19.5	18.9	18.9	18.9
35°	27.9	21.6	18.1	16.1	15.3	15.3	15.3
37.5°	23.7	18.1	13.9	12.5	11.8	11.2	11.2
40°	20.2	13.9	10.5	9.0	7.7	7.7	7.7
42.5°	16.7	11.2	7.7	5.6	4.9	4.1	4.9
45°	13.9	8.4	4.9	2.8	2.1	2.1	2.1
47.5°	11.2	5.6	2.1	0.7	0.7	0.7	0.7
50°	8.4	3.5	0.7	0.0	0.0	0.7	0.7
52.5°	6.3	2.1	0.0	0.0	0.0	0.0	0.0
55°	3.5	0.7	0.0	0.0	0.0	0.0	0.0
57.5°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.7	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)