

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: P149755

Luminaire Tested: **AVS-F02-LED-E-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149755
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-F02-LED-E-U-SL2-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3027.3 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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

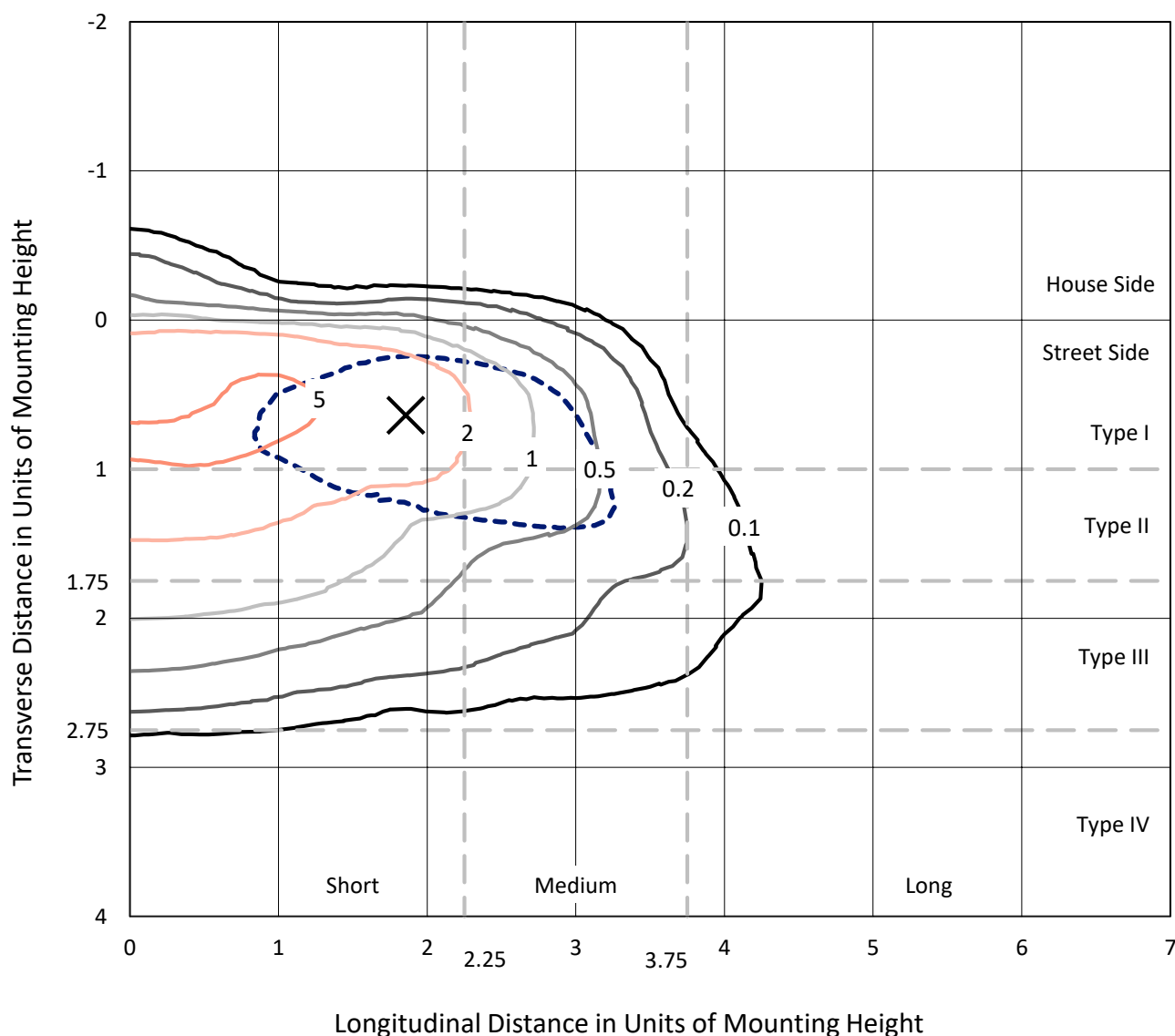


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

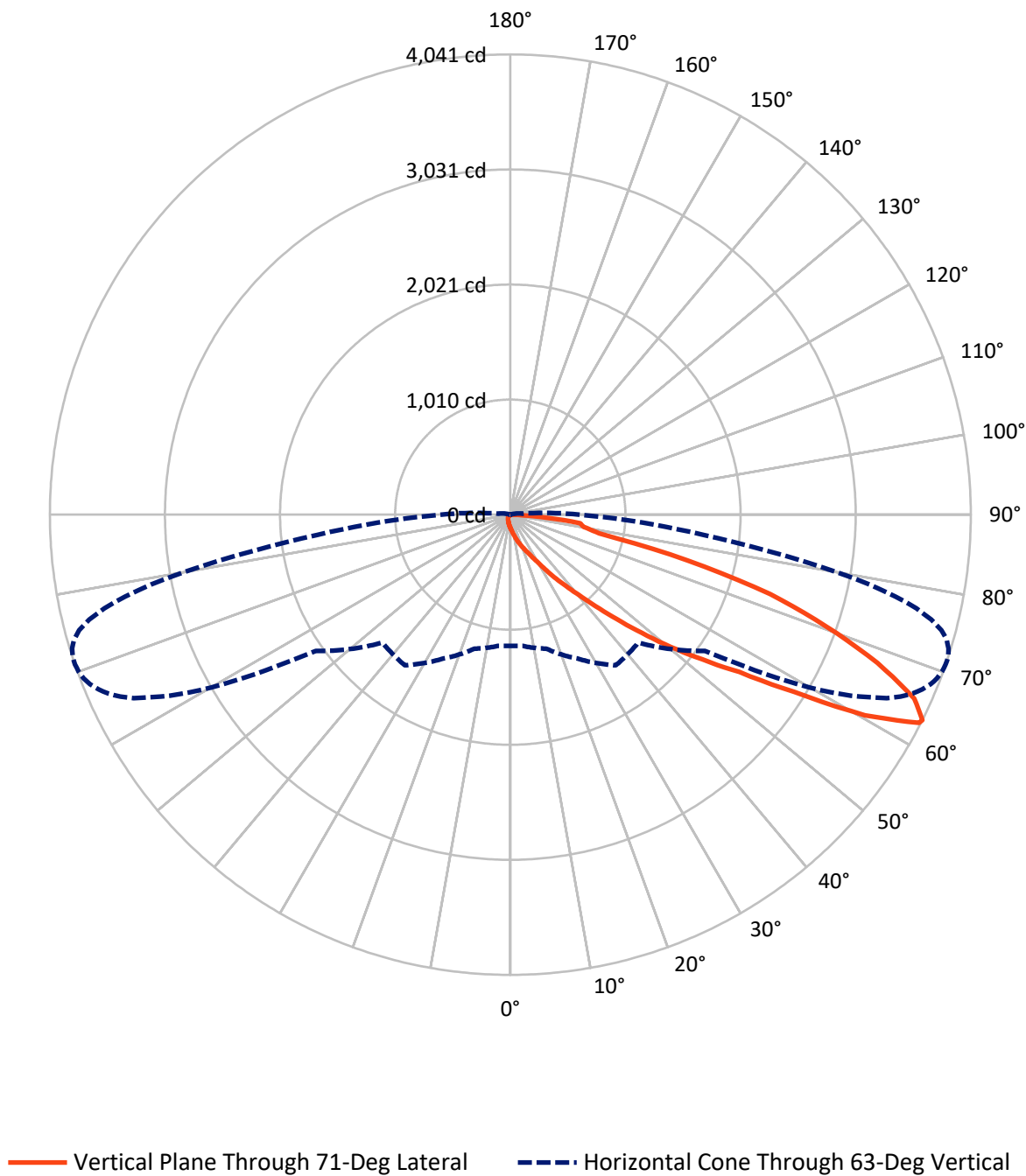


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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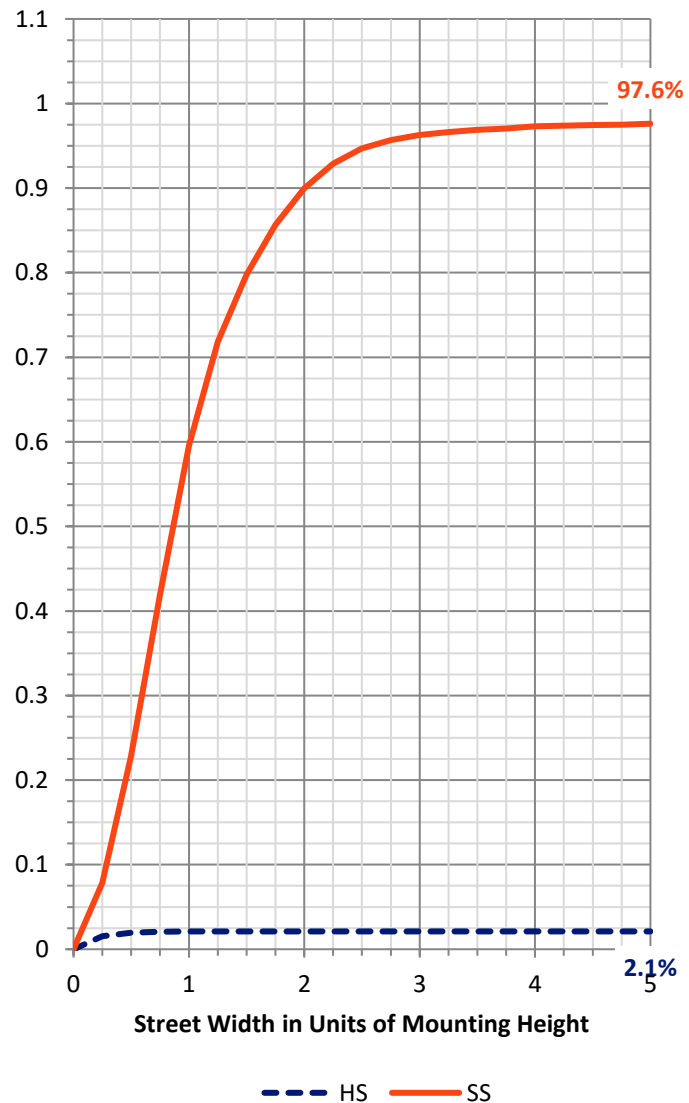
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	64.3	0.0	64.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	2963.1	0.0	2963.1
	% Fixture	97.9	0.0	97.9
Total	Lumens	3027.3	0.0	3027.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.4
10°-20°	49.8	1.6
20°-30°	101.1	3.3
30°-40°	247.0	8.2
40°-50°	552.4	18.2
50°-60°	776.8	25.7
60°-70°	913.4	30.2
70°-80°	329.8	10.9
80°-90°	44.1	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°	3027.3	100.0
0°-180°	3027.3	100.0

Coefficient of Utilization



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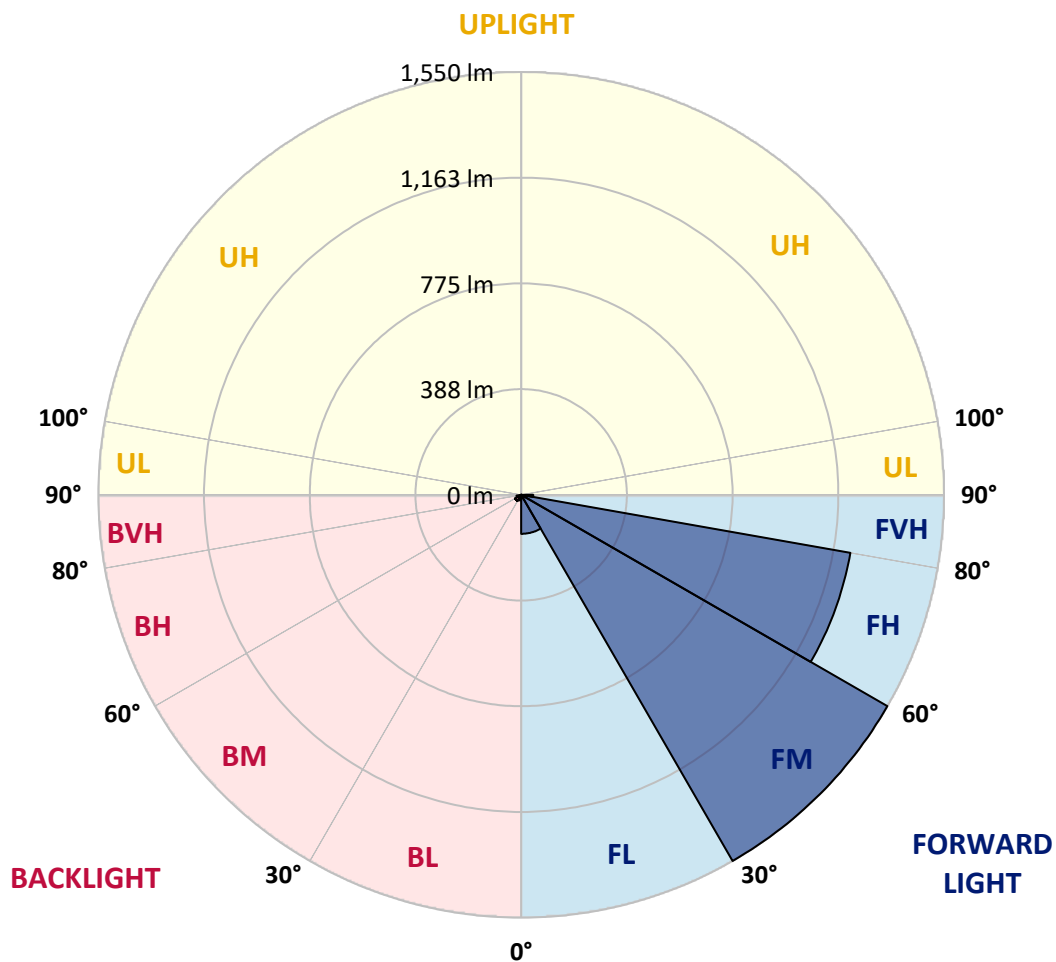
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.1	4.7			
FM	(30°-60°)	1550.3	51.2			
FH	(60°-80°)	1225.7	40.5			G1/1800
FVH	(80°-90°)	44.0	1.5			G1/100
BL	(0°-30°)	20.7	0.7	B0/110		
BM	(30°-60°)	25.9	0.9	B0/220		
BH	(60°-80°)	17.6	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°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	151.9	153.6	152.4	149.7	146.4	142.0	138.1	138.1	137.6	136.0	136.5
5°	199.3	199.8	197.6	191.0	184.9	175.5	165.1	164.0	162.9	161.2	160.7
7.5°	245.5	247.7	245.5	238.3	226.2	211.9	195.3	193.7	190.5	190.5	188.2
10°	292.7	292.7	290.6	282.3	271.3	251.0	230.1	227.3	223.4	222.4	219.1
12.5°	326.3	326.3	325.3	320.8	312.0	293.9	268.6	265.8	260.8	259.2	255.3
15°	339.6	339.6	340.1	343.9	344.6	336.3	309.8	307.7	302.7	298.2	296.7
17.5°	347.8	347.3	347.3	352.7	362.7	368.2	351.1	348.9	343.4	341.2	335.8
20°	366.0	364.9	361.6	361.6	371.0	390.2	390.2	389.6	383.6	382.0	379.2
22.5°	393.0	391.8	382.0	373.7	378.1	402.3	424.9	423.7	421.6	419.4	417.7
25°	437.0	433.2	416.1	391.8	388.0	413.9	451.3	454.0	455.6	455.6	456.8
27.5°	503.5	498.7	468.4	423.2	406.1	432.5	480.4	486.0	490.9	492.0	497.0
30°	596.1	587.3	543.7	477.7	438.7	460.1	523.4	529.4	536.6	538.8	546.5
32.5°	747.9	743.0	701.1	602.1	518.4	514.0	583.4	591.1	600.4	604.2	613.7
35°	979.1	980.2	946.0	856.9	741.3	680.8	690.7	697.3	700.6	712.1	717.1
37.5°	1136.0	1138.7	1146.4	1111.2	1028.6	966.9	889.3	896.5	879.5	881.1	881.7
40°	1221.8	1230.6	1275.8	1309.8	1303.2	1267.5	1205.3	1209.1	1177.2	1170.1	1135.3
42.5°	1279.0	1290.6	1362.7	1468.3	1522.3	1554.7	1540.4	1538.8	1514.0	1504.7	1475.4
45°	1314.8	1325.3	1416.1	1571.8	1696.2	1790.9	1829.9	1834.3	1813.4	1804.0	1779.8
47.5°	1313.2	1325.3	1422.7	1610.4	1793.6	1945.0	2055.0	2060.5	2073.2	2064.9	2066.5
50°	1240.5	1252.0	1350.1	1544.9	1765.0	2015.3	2216.8	2234.4	2254.8	2268.5	2275.1
52.5°	1152.4	1160.7	1247.7	1432.5	1642.8	1986.2	2312.5	2342.8	2373.2	2399.0	2417.1
55°	1120.0	1129.3	1197.5	1351.1	1544.9	1864.0	2357.1	2401.8	2444.7	2487.0	2521.7
57.5°	1137.0	1145.8	1194.8	1312.5	1486.5	1735.2	2369.8	2439.2	2509.6	2578.3	2646.6
60°	1199.8	1209.1	1251.0	1348.4	1471.1	1660.9	2320.3	2435.3	2552.5	2672.5	2785.3
62.5°	1175.0	1178.9	1240.5	1411.1	1581.1	1597.6	2140.3	2301.0	2479.9	2664.8	2846.9
63°	1151.3	1155.8	1218.4	1394.0	1614.7	1588.3	2084.8	2254.2	2443.0	2642.3	2840.3
65°	1044.0	1044.6	1092.4	1231.1	1577.3	1604.9	1837.1	1998.9	2215.8	2454.6	2705.0
67.5°	779.3	775.4	821.7	927.4	1238.2	1605.4	1576.8	1667.6	1818.3	2030.3	2254.8
70°	276.3	270.3	345.1	491.5	771.6	1313.2	1354.9	1361.0	1402.8	1517.3	1658.2
72.5°	89.7	91.4	110.1	180.0	355.5	883.8	1226.7	1208.0	1197.0	1196.5	1215.1
75°	35.8	36.4	44.0	79.8	159.6	426.0	1074.3	1084.8	1088.6	1094.1	1100.1
77.5°	17.1	18.8	24.8	44.6	79.3	210.8	768.8	857.4	908.1	947.2	970.8
80°	6.0	7.2	13.8	27.6	36.9	96.9	405.1	488.7	563.0	658.8	741.3
82.5°	0.0	0.0	2.8	19.3	20.4	39.1	166.2	194.8	222.9	288.9	371.0
85°	0.0	0.0	0.0	5.5	6.0	6.6	56.2	67.7	76.0	88.6	102.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.7	3.3	8.3	12.6
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°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	135.3	134.8	134.8	133.8	133.2	132.1	131.5	129.8	129.3	129.3	129.3
5°	160.1	157.9	156.9	154.1	152.4	151.9	149.1	148.1	146.4	146.9	144.1
7.5°	187.7	183.8	182.2	178.3	177.2	173.4	172.2	169.5	167.9	164.6	163.4
10°	217.9	213.0	210.3	204.1	202.5	199.8	196.5	193.2	190.5	187.2	185.5
12.5°	252.6	248.2	246.0	237.7	233.9	230.1	225.6	221.2	216.8	214.1	210.3
15°	293.4	286.2	283.9	276.3	269.6	264.8	258.7	253.2	249.8	244.4	240.5
17.5°	333.5	326.3	324.7	313.2	306.0	302.7	296.1	288.9	282.9	277.4	271.3
20°	373.7	368.7	364.4	353.4	345.6	340.1	331.3	324.1	319.2	311.5	303.8
22.5°	413.9	408.9	405.6	394.1	386.9	379.2	371.5	363.7	356.6	347.3	338.4
25°	455.1	451.8	450.2	439.7	433.2	426.0	418.2	409.4	400.6	390.2	380.8
27.5°	498.0	499.2	495.9	493.7	486.5	481.6	469.4	463.4	456.8	444.1	432.5
30°	552.5	555.9	554.7	556.4	552.0	548.7	539.4	531.6	523.9	511.8	498.7
32.5°	621.3	625.7	628.0	634.0	631.8	630.7	628.0	616.9	611.4	590.6	585.0
35°	727.6	725.4	734.7	739.7	737.5	736.4	733.1	727.0	720.4	705.6	691.8
37.5°	865.7	867.9	871.2	861.3	854.7	854.1	844.2	838.1	828.8	812.3	795.9
40°	1118.9	1105.1	1089.7	1047.9	1029.7	1019.3	990.1	981.9	965.9	943.3	926.2
42.5°	1448.0	1434.2	1388.0	1318.1	1280.6	1228.9	1205.3	1176.1	1153.6	1116.7	1096.9
45°	1774.9	1735.2	1729.7	1648.3	1602.1	1533.8	1491.4	1442.5	1391.3	1342.9	1307.7
47.5°	2050.6	2041.8	2014.8	1965.3	1922.4	1865.2	1810.7	1735.2	1682.4	1613.6	1550.4
50°	2271.3	2270.8	2260.8	2232.2	2196.5	2150.3	2102.4	2038.4	1978.5	1894.3	1826.6
52.5°	2436.4	2445.2	2448.5	2439.7	2425.9	2385.2	2361.0	2307.7	2257.0	2185.4	2112.2
55°	2557.5	2589.9	2606.4	2625.2	2621.3	2607.0	2605.9	2571.2	2548.1	2491.4	2439.7
57.5°	2707.2	2760.5	2811.7	2902.6	2905.8	2937.7	2954.3	2970.8	2975.2	2952.6	2935.5
60°	2897.6	3006.5	3103.4	3293.3	3342.8	3420.9	3471.6	3526.6	3573.5	3577.3	3576.2
62.5°	3031.9	3199.7	3356.1	3637.8	3734.1	3824.4	3892.1	3945.5	3977.9	4011.0	4026.3
63°	3035.8	3219.6	3385.8	3676.4	3777.6	3863.4	3927.9	3977.4	4011.5	4031.3	4041.2
65°	2942.7	3165.6	3363.7	3653.3	3748.4	3834.8	3868.4	3900.8	3917.4	3925.1	3896.0
67.5°	2494.2	2712.1	2943.3	3266.8	3348.3	3451.8	3479.3	3495.9	3503.5	3501.9	3477.1
70°	1865.2	2047.9	2304.9	2674.7	2782.6	2883.8	2946.5	2973.6	2982.4	2979.6	2942.7
72.5°	1302.2	1409.4	1621.3	2033.0	2179.9	2309.8	2387.5	2427.6	2435.9	2419.4	2385.2
75°	1093.6	1099.1	1146.9	1372.0	1509.6	1648.3	1735.9	1761.1	1744.6	1694.5	1607.6
77.5°	976.3	988.4	988.4	1022.0	1049.0	1087.5	1095.8	1034.1	962.6	870.1	795.2
80°	819.0	861.3	891.0	915.8	918.5	910.9	890.5	855.8	800.7	730.4	652.1
82.5°	497.5	581.1	615.3	743.0	805.7	848.1	844.8	798.5	756.7	683.5	616.9
85°	125.5	135.3	146.9	191.0	214.1	261.5	291.1	304.9	309.8	284.6	257.5
87.5°	12.1	8.3	13.8	10.5	14.8	11.0	14.8	13.8	17.1	18.1	19.8
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	128.2	127.7	127.2	126.6	126.0	125.5	124.4	124.4	123.3	122.7	122.2
5°	142.6	141.5	140.9	139.8	138.1	137.0	135.3	133.2	131.5	131.0	129.8
7.5°	160.7	157.9	156.9	155.2	153.0	149.7	147.5	145.8	143.1	141.5	138.1
10°	181.0	178.3	175.0	171.7	168.4	164.6	161.8	159.6	155.2	153.0	149.1
12.5°	206.9	202.0	198.1	193.7	189.3	184.9	181.7	175.0	171.2	166.2	162.9
15°	233.4	228.9	224.6	219.1	212.4	205.3	202.0	196.0	191.0	183.3	178.9
17.5°	265.3	257.0	250.4	243.8	237.7	231.2	224.6	215.2	208.1	201.5	192.6
20°	296.7	286.7	279.6	270.8	262.0	251.5	243.8	237.2	227.3	218.4	209.1
22.5°	330.3	320.3	308.7	299.9	287.9	279.6	269.1	258.1	248.2	236.7	225.1
25°	371.0	360.5	347.3	335.8	322.0	310.4	297.7	285.1	273.0	259.8	244.9
27.5°	421.0	410.1	395.8	382.0	363.7	349.4	337.4	320.3	304.9	288.4	271.3
30°	484.4	472.2	454.6	434.8	416.6	400.6	383.6	361.0	343.9	324.1	302.2
32.5°	566.8	552.5	528.9	510.2	487.6	466.7	443.0	420.5	396.3	370.4	345.1
35°	670.9	657.6	630.2	602.6	577.8	553.1	523.4	497.5	463.4	432.0	399.6
37.5°	778.8	755.1	729.7	700.0	669.2	639.5	603.2	567.5	528.3	494.2	453.5
40°	902.1	873.4	852.5	820.6	777.1	734.7	701.1	656.6	607.6	561.9	514.0
42.5°	1071.0	1039.1	1001.7	953.2	921.9	872.3	828.8	776.0	711.6	660.4	602.6
45°	1266.3	1222.9	1186.5	1139.8	1101.8	1040.2	989.5	919.1	854.7	787.6	717.1
47.5°	1489.2	1435.3	1382.5	1336.3	1275.8	1215.1	1150.8	1076.0	993.4	919.6	836.0
50°	1745.2	1668.7	1595.4	1536.1	1453.0	1383.0	1313.2	1228.9	1137.6	1052.8	957.6
52.5°	2029.7	1941.0	1844.2	1752.8	1656.6	1566.8	1482.7	1385.8	1283.9	1180.5	1074.3
55°	2373.2	2306.5	2192.6	2076.5	1947.7	1827.7	1719.3	1599.3	1475.4	1339.6	1227.9
57.5°	2910.8	2878.3	2783.1	2667.0	2499.2	2353.3	2169.4	2022.5	1843.1	1656.0	1511.8
60°	3639.5	3599.3	3545.9	3451.8	3318.7	3120.5	2917.9	2689.5	2416.6	2157.4	1911.4
62.5°	4028.0	4013.7	3970.3	3905.3	3780.9	3624.6	3420.4	3169.4	2861.2	2546.4	2232.7
63°	4039.6	4021.5	3983.9	3917.9	3808.4	3657.1	3456.8	3213.0	2911.4	2590.5	2270.2
65°	3883.3	3876.2	3838.1	3766.0	3691.2	3575.6	3420.4	3210.8	2957.6	2654.3	2335.6
67.5°	3444.0	3422.6	3364.2	3342.3	3289.9	3209.6	3091.3	2947.2	2766.0	2527.8	2252.5
70°	2913.0	2881.0	2807.9	2768.8	2705.0	2654.3	2582.3	2479.4	2367.6	2201.5	1996.2
72.5°	2349.9	2283.9	2216.8	2115.0	2025.8	1935.5	1855.8	1783.1	1660.4	1593.3	1437.5
75°	1526.1	1406.1	1291.1	1137.0	998.3	875.6	756.2	695.6	569.6	518.4	445.2
77.5°	724.2	657.1	566.8	497.0	407.8	333.0	271.9	204.1	160.1	125.5	95.8
80°	584.5	527.8	473.3	410.1	342.9	273.6	209.6	156.9	111.2	77.1	54.5
82.5°	521.1	459.6	392.4	348.9	303.2	248.2	203.6	166.2	122.7	89.7	61.1
85°	202.5	170.6	131.5	107.4	83.6	68.8	62.2	42.9	33.6	26.4	20.4
87.5°	17.6	14.3	11.6	7.7	8.3	4.4	5.0	3.3	2.8	2.8	2.2
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	121.7	121.0	120.5	119.4	119.4	118.3	117.8	117.2	114.5	108.4	103.4
5°	127.7	126.6	125.5	123.8	122.7	121.0	120.0	118.3	112.2	100.7	90.8
7.5°	136.5	134.3	132.6	129.3	127.7	125.5	123.8	121.0	111.2	93.6	79.8
10°	146.9	143.1	140.3	136.5	133.2	130.5	127.7	123.8	110.1	85.8	69.8
12.5°	159.6	155.2	149.7	145.3	140.9	137.0	133.2	128.2	108.4	79.3	62.2
15°	172.2	165.7	161.8	155.8	149.7	144.1	138.7	134.3	109.0	72.1	55.5
17.5°	186.5	180.0	171.7	165.1	158.5	151.3	144.8	136.0	106.2	66.6	50.7
20°	200.3	191.0	183.3	175.0	165.7	156.9	148.6	140.9	104.0	61.1	46.2
22.5°	215.2	204.1	194.3	183.8	172.2	162.4	152.4	142.6	100.2	56.2	42.4
25°	233.4	220.7	206.4	193.7	181.7	169.5	156.9	144.8	96.3	51.7	39.6
27.5°	255.3	238.9	224.6	208.6	191.5	176.1	162.4	149.1	92.4	48.4	36.9
30°	283.4	264.1	243.8	223.4	205.3	187.7	168.4	151.9	88.6	45.1	34.1
32.5°	320.8	296.7	271.9	248.2	224.0	201.5	181.0	159.6	86.4	42.4	31.4
35°	370.4	339.1	308.7	279.1	249.8	222.4	196.0	171.7	86.4	39.1	28.1
37.5°	417.2	380.8	342.3	305.5	270.8	238.9	207.5	178.3	82.0	36.4	25.3
40°	467.8	424.4	379.2	335.8	293.9	254.3	218.4	184.9	78.1	33.1	22.6
42.5°	545.4	490.4	431.5	380.8	330.8	281.8	237.2	197.6	73.2	29.7	19.8
45°	647.3	577.3	508.0	446.3	382.5	322.5	269.6	220.7	72.1	26.9	17.1
47.5°	756.2	673.7	592.2	513.5	438.7	368.7	305.5	246.5	72.1	24.2	14.8
50°	864.6	761.1	674.2	582.8	498.7	416.1	340.6	273.6	72.6	22.0	12.1
52.5°	962.6	851.9	754.5	648.9	555.9	460.1	378.1	299.9	71.5	19.3	9.9
55°	1098.5	968.6	855.8	739.2	630.2	522.3	429.2	339.6	72.1	17.1	8.3
57.5°	1348.9	1196.5	1060.5	907.6	782.1	642.8	529.9	421.0	78.7	14.3	6.0
60°	1708.3	1510.2	1319.2	1132.6	973.1	807.4	660.9	532.7	92.4	11.6	4.4
62.5°	1949.8	1690.7	1462.8	1257.0	1071.5	898.1	738.5	592.7	101.9	9.3	2.8
63°	1974.6	1706.6	1477.7	1265.3	1076.0	902.6	741.9	597.1	102.4	8.8	2.8
65°	2021.5	1734.2	1485.9	1266.9	1071.5	896.5	739.7	596.6	103.4	7.2	2.2
67.5°	1968.1	1691.8	1438.0	1219.6	1033.1	860.7	712.1	574.6	102.9	5.0	1.7
70°	1760.0	1531.1	1308.2	1104.6	935.0	779.3	648.3	523.9	94.6	3.3	1.1
72.5°	1292.2	1136.5	963.6	816.7	704.5	585.0	499.2	393.5	73.2	2.2	0.5
75°	383.0	348.9	293.4	258.7	228.4	188.8	167.9	131.0	37.4	1.1	0.0
77.5°	76.5	69.3	62.2	56.7	53.4	45.7	43.5	35.8	15.4	0.5	0.0
80°	40.2	33.1	28.1	24.8	21.5	17.6	14.8	12.1	2.8	0.0	0.0
82.5°	38.5	25.9	18.8	15.4	13.2	10.5	8.3	6.0	1.7	0.0	0.0
85°	14.3	11.0	8.3	6.6	5.5	5.0	3.8	3.3	0.0	0.0	0.0
87.5°	2.2	1.7	1.7	1.1	1.1	0.5	0.5	0.5	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°	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	98.5	94.1	91.9	89.1	89.1	88.6	89.7
5°	82.0	76.0	71.5	68.3	68.8	67.2	67.7
7.5°	69.3	63.3	59.5	57.2	56.7	56.2	56.2
10°	60.0	54.5	51.2	49.5	49.0	49.0	49.0
12.5°	53.4	47.9	45.1	44.0	44.0	43.5	43.5
15°	47.9	43.5	40.7	39.6	39.6	39.1	39.6
17.5°	43.5	39.1	36.9	35.8	35.8	35.2	35.2
20°	39.6	35.8	33.6	31.9	31.9	31.4	31.9
22.5°	36.4	32.4	29.7	28.6	28.1	27.6	28.1
25°	33.1	29.1	26.4	24.8	24.2	24.2	23.6
27.5°	30.3	26.4	23.1	21.5	20.9	20.9	20.4
30°	27.6	23.1	19.8	18.1	17.6	17.6	17.6
32.5°	24.8	19.8	17.1	15.4	14.8	14.8	14.8
35°	22.0	17.1	14.3	12.6	12.1	12.1	12.1
37.5°	18.8	14.3	11.0	9.9	9.3	8.8	8.8
40°	16.0	11.0	8.3	7.2	6.0	6.0	6.0
42.5°	13.2	8.8	6.0	4.4	3.8	3.3	3.8
45°	11.0	6.6	3.8	2.2	1.7	1.7	1.7
47.5°	8.8	4.4	1.7	0.5	0.5	0.5	0.5
50°	6.6	2.8	0.5	0.0	0.0	0.5	0.5
52.5°	5.0	1.7	0.0	0.0	0.0	0.0	0.0
55°	2.8	0.5	0.0	0.0	0.0	0.0	0.0
57.5°	1.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.5	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)