

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: P150327

Luminaire Tested: **AVS-F02-LED-E-U-SL2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P150327
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
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-SL2-7060
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5175.8 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - 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

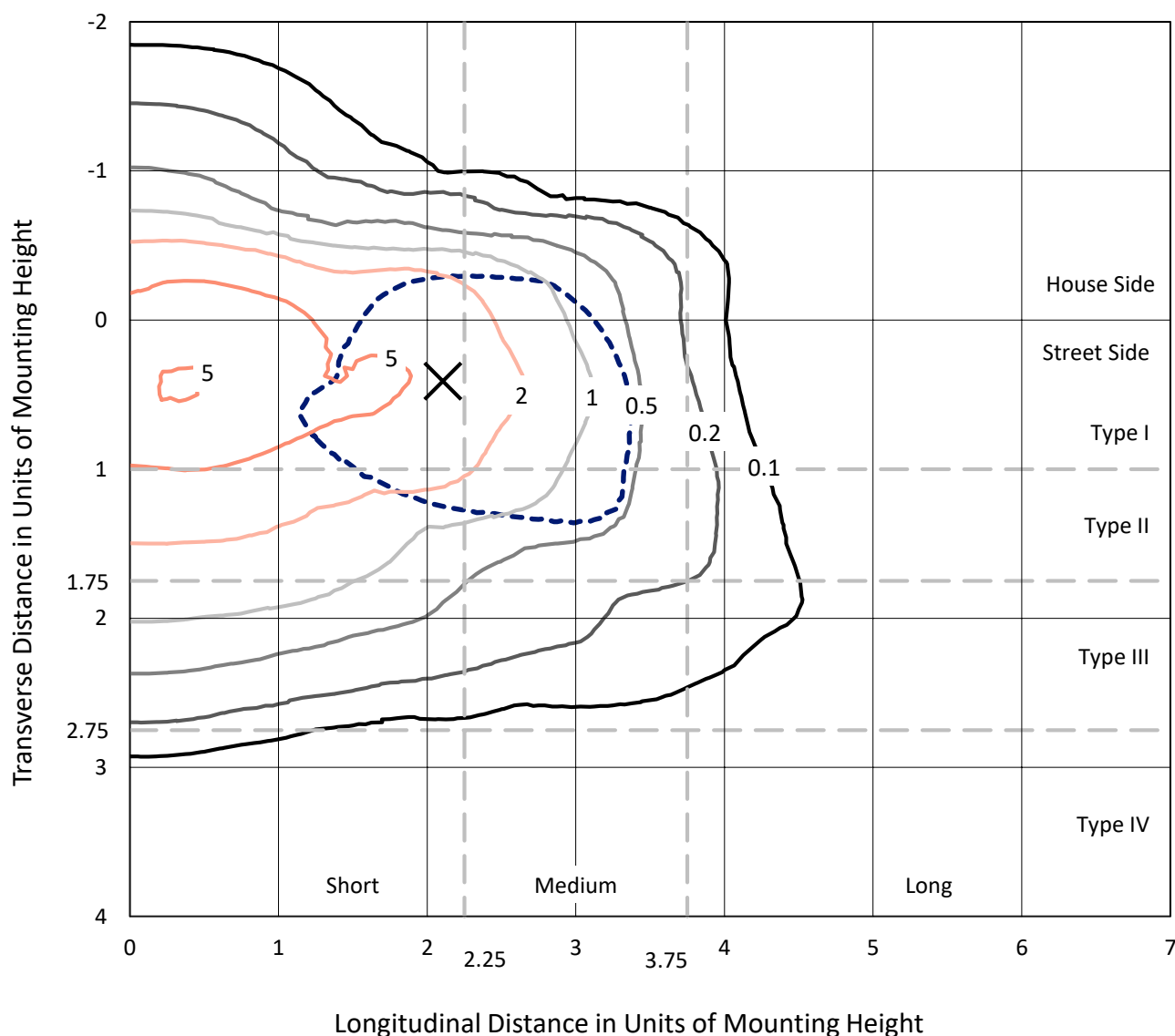


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

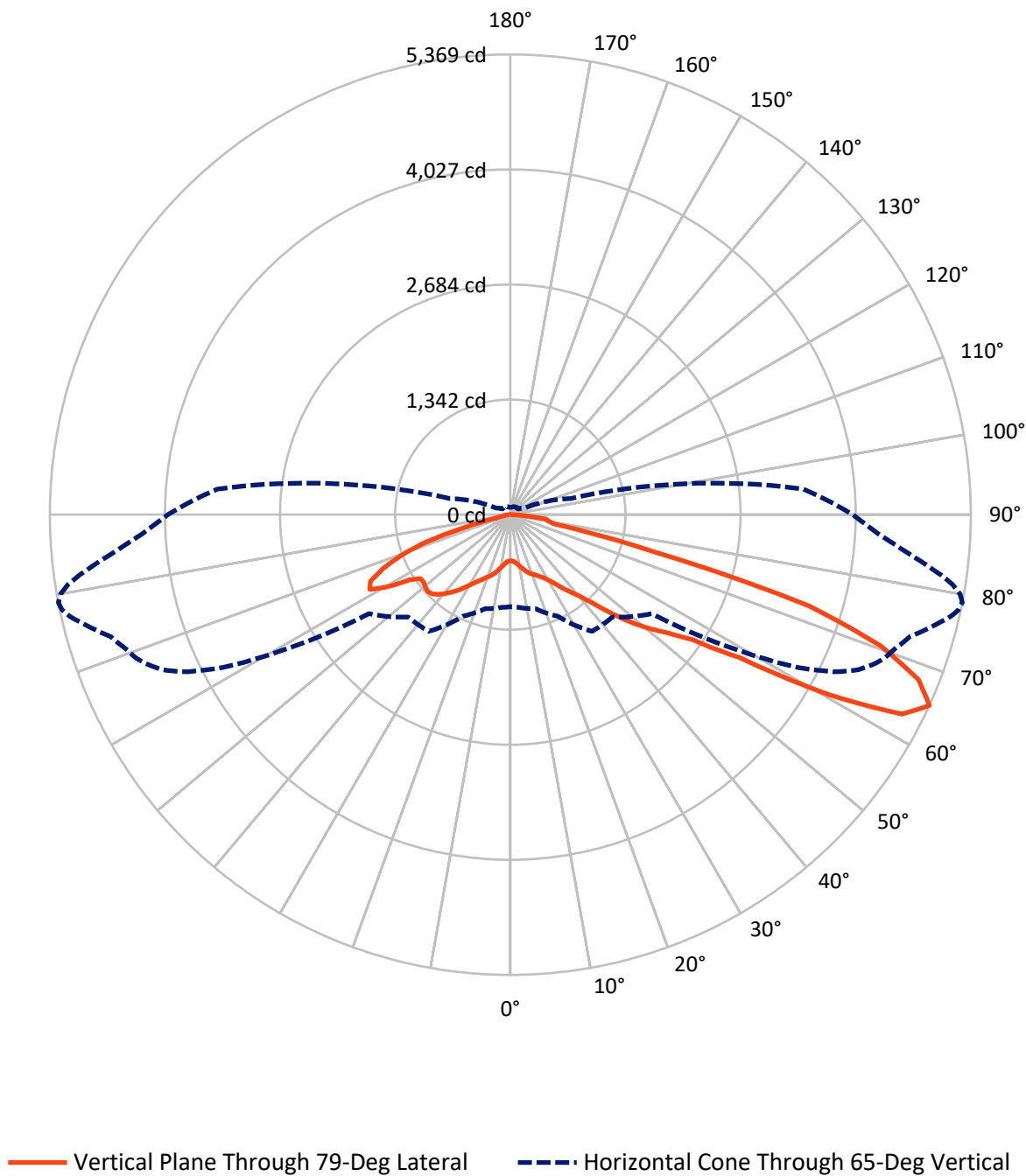


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1223.6	0.0	1223.6
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	3952.2	0.0	3952.2
	% Fixture	76.4	0.0	76.4
Total	Lumens	5175.8	0.0	5175.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	1.0
10°-20°	175.1	3.4
20°-30°	302.5	5.8
30°-40°	500.7	9.7
40°-50°	849.1	16.4
50°-60°	1128.2	21.8
60°-70°	1457.3	28.2
70°-80°	611.2	11.8
80°-90°	98.2	1.9
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°	5175.8	100.0
0°-180°	5175.8	100.0

Coefficient of Utilization



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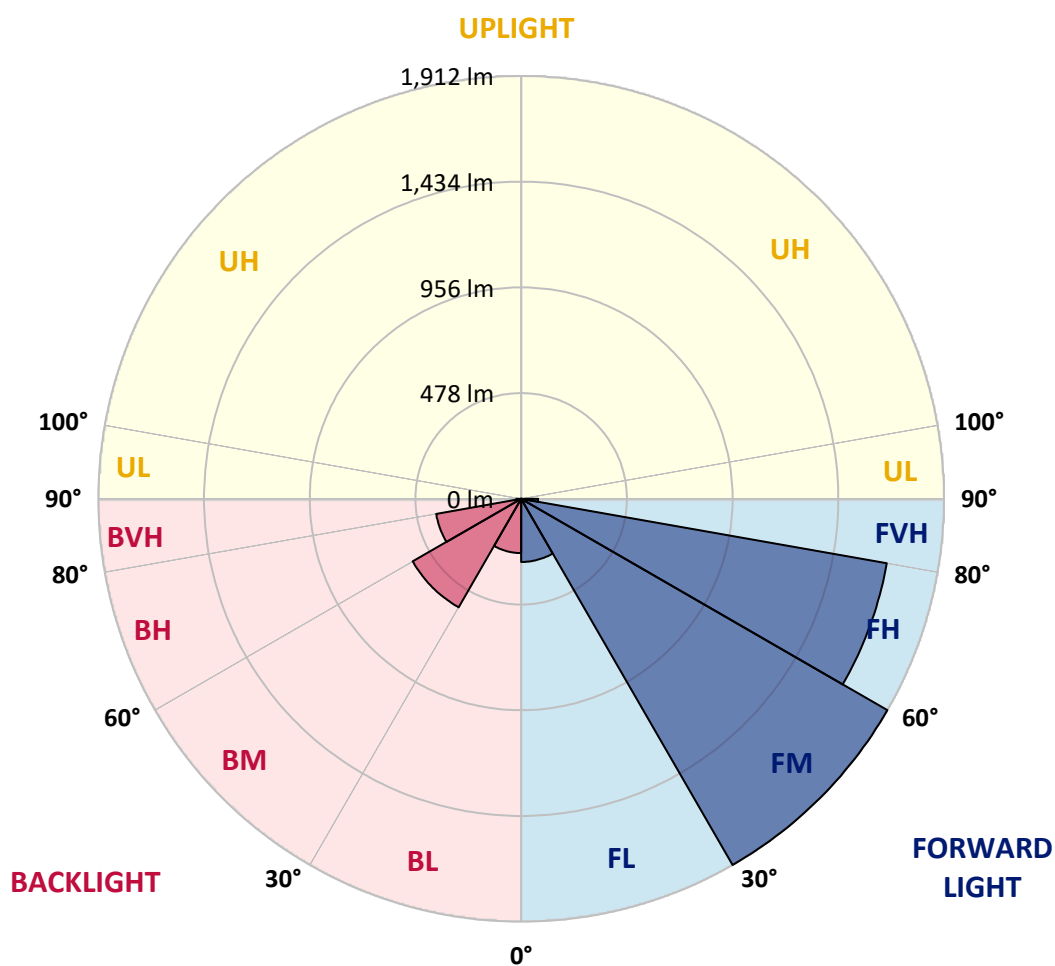
CATALOG NUMBER: AVS-F02-LED-E-U-SL2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.6	5.5			
FM	(30°-60°)	1911.6	36.9			
FH	(60°-80°)	1678.3	32.4			G1/1800
FVH	(80°-90°)	76.8	1.5			G1/100
BL	(0°-30°)	245.5	4.7	B1/500		
BM	(30°-60°)	566.4	10.9	B1/1000		
BH	(60°-80°)	390.2	7.5	B1/500		G1/500
BVH	(80°-90°)	21.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8
2.5°	537.0	538.8	537.6	538.8	539.9	540.4	541.6	541.0	541.0	541.6	540.4
5°	537.0	537.0	538.8	541.6	542.7	546.1	550.1	549.4	550.1	549.4	550.6
7.5°	548.3	547.8	549.4	552.8	554.0	559.1	565.8	566.9	568.1	568.1	569.8
10°	568.1	567.6	569.2	570.9	572.6	576.6	586.2	590.2	590.7	591.3	593.5
12.5°	593.0	592.4	590.2	590.2	589.5	596.9	609.8	617.2	618.3	620.6	622.3
15°	610.5	608.8	605.4	603.1	605.9	617.8	637.0	645.5	646.6	648.3	652.8
17.5°	627.4	625.7	618.3	612.7	616.7	635.9	661.9	670.9	673.2	674.8	679.9
20°	651.1	649.9	639.3	625.7	624.6	649.4	681.0	693.0	694.6	696.9	702.0
22.5°	687.3	682.2	669.7	644.4	631.9	657.3	694.6	711.0	713.3	715.5	722.3
25°	732.4	730.2	708.7	669.7	643.7	665.3	709.3	729.6	733.0	735.9	744.9
27.5°	779.3	776.0	752.7	702.0	664.7	681.0	732.4	755.5	760.1	764.7	773.1
30°	821.1	820.0	800.7	745.4	698.5	711.0	769.7	797.9	803.0	808.7	816.6
32.5°	919.4	919.9	900.2	843.7	780.4	765.2	823.3	865.7	868.0	874.7	888.9
35°	1107.5	1109.6	1102.3	1057.7	986.5	923.8	929.5	971.3	973.6	979.2	992.7
37.5°	1233.4	1237.8	1260.4	1274.6	1238.4	1209.6	1137.9	1121.6	1123.2	1119.8	1117.0
40°	1302.8	1309.5	1368.9	1442.3	1481.9	1482.4	1451.3	1379.1	1351.4	1343.4	1309.5
42.5°	1342.4	1353.6	1437.7	1563.1	1676.7	1754.6	1773.8	1693.6	1673.3	1637.1	1572.1
45°	1368.3	1381.9	1481.2	1653.0	1820.1	1952.7	2052.7	2017.2	2003.6	1981.6	1921.8
47.5°	1363.8	1374.5	1477.8	1683.4	1895.2	2083.8	2261.1	2297.8	2281.5	2275.9	2235.1
50°	1281.3	1291.0	1396.0	1607.8	1854.0	2133.5	2393.3	2497.2	2497.2	2507.9	2495.4
52.5°	1193.3	1201.1	1296.6	1486.9	1720.7	2085.0	2466.7	2639.0	2661.6	2680.1	2709.5
55°	1159.9	1169.5	1241.8	1404.5	1607.2	1946.0	2491.5	2745.1	2786.8	2818.5	2885.2
57.5°	1175.8	1185.4	1236.7	1359.8	1540.5	1804.2	2492.6	2888.0	2968.7	3033.7	3168.6
60°	1244.0	1253.1	1296.1	1401.0	1523.0	1722.4	2444.7	3115.5	3244.2	3366.3	3591.0
62.5°	1212.4	1223.7	1286.4	1469.4	1653.5	1660.3	2271.3	3291.7	3499.0	3679.2	4036.6
65°	1074.1	1085.9	1135.1	1306.2	1661.3	1687.4	2014.3	3295.1	3552.6	3796.1	4181.8
67.5°	815.4	820.0	859.0	996.2	1328.8	1717.3	1750.1	2904.9	3149.9	3421.7	3819.8
70°	416.8	424.7	436.0	550.1	855.5	1419.2	1503.8	2140.8	2453.2	2733.8	3212.1
72.5°	144.6	147.4	158.7	210.1	416.8	931.2	1316.4	1467.2	1655.8	1918.3	2472.3
75°	86.9	86.9	90.9	106.2	190.3	485.1	1171.2	1198.3	1223.7	1311.8	1674.4
77.5°	68.9	70.1	70.1	72.8	105.6	249.0	889.4	1114.2	1117.6	1126.0	1187.0
80°	49.1	51.4	56.0	58.1	68.3	136.7	499.2	978.1	1044.8	1076.9	1121.6
82.5°	36.7	39.0	47.5	50.3	53.1	76.3	224.1	674.8	796.3	860.6	1017.6
85°	16.4	19.2	32.2	35.5	37.3	40.6	105.1	192.0	220.8	247.9	326.9
87.5°	2.8	2.8	5.1	7.4	10.8	10.2	23.1	32.7	33.4	39.0	43.5
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°	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8
2.5°	540.4	540.4	540.4	539.9	540.4	540.4	540.4	540.4	541.0	541.0	541.0
5°	552.3	551.2	551.7	551.7	551.7	551.2	552.3	551.7	552.3	554.0	553.5
7.5°	569.8	570.9	571.5	572.0	572.0	572.0	572.6	573.8	573.8	575.4	574.9
10°	595.8	595.2	595.8	597.5	599.2	599.7	601.5	600.8	602.0	604.2	606.5
12.5°	623.4	624.6	626.3	628.0	630.8	631.4	633.1	633.6	637.0	637.0	639.3
15°	654.5	655.0	658.4	659.1	662.4	663.5	666.3	667.5	671.4	672.0	674.3
17.5°	682.7	683.8	685.6	687.3	691.2	693.0	695.1	697.4	700.8	702.0	705.9
20°	705.3	707.6	708.2	711.5	714.9	717.2	719.5	721.7	725.1	726.8	730.8
22.5°	725.7	727.9	729.6	732.4	734.7	738.1	739.2	743.2	746.5	749.4	752.7
25°	747.7	751.1	752.7	757.8	759.6	762.9	765.8	769.7	774.2	777.6	782.2
27.5°	778.8	783.8	786.1	791.7	795.6	797.4	801.9	807.6	811.5	815.4	820.0
30°	821.7	831.3	833.0	836.9	844.2	845.4	851.0	855.5	861.8	865.7	869.6
32.5°	888.3	900.2	901.2	905.8	912.0	914.3	918.8	923.8	933.5	935.1	941.3
35°	990.5	995.6	1000.1	1001.8	1006.8	1009.7	1013.1	1018.8	1028.4	1027.3	1034.0
37.5°	1113.1	1114.7	1115.3	1109.6	1110.8	1105.7	1111.9	1113.1	1116.5	1119.3	1126.0
40°	1288.1	1270.6	1268.4	1254.8	1241.2	1233.9	1231.1	1219.8	1222.6	1223.7	1229.4
42.5°	1543.9	1510.1	1481.9	1462.6	1429.3	1413.0	1390.9	1373.4	1359.8	1364.9	1367.2
45°	1868.1	1819.5	1774.3	1715.6	1672.1	1641.0	1602.1	1567.0	1551.3	1543.9	1553.0
47.5°	2191.7	2148.7	2095.6	2035.2	1966.3	1914.9	1850.1	1793.0	1753.5	1738.8	1746.6
50°	2471.2	2431.7	2391.6	2356.0	2275.9	2219.9	2131.2	2057.3	1995.1	1963.5	1955.0
52.5°	2703.3	2682.4	2660.9	2631.0	2566.6	2510.8	2440.1	2367.3	2284.9	2220.5	2198.4
55°	2910.6	2923.0	2912.2	2912.8	2887.4	2851.8	2791.9	2737.7	2680.1	2607.3	2576.8
57.5°	3212.6	3286.1	3300.7	3337.5	3355.5	3374.7	3391.7	3359.5	3344.9	3290.6	3291.2
60°	3688.7	3796.1	3889.2	3973.9	4043.4	4111.2	4182.3	4213.9	4248.9	4265.3	4321.2
62.5°	4195.2	4297.5	4436.4	4549.9	4613.8	4701.9	4779.2	4829.4	4891.0	4956.5	5041.8
65°	4320.6	4443.7	4531.3	4606.9	4670.3	4717.1	4759.5	4819.3	4870.7	4974.6	5075.1
67.5°	3999.3	4097.6	4177.8	4252.3	4301.5	4340.9	4378.9	4418.3	4506.4	4600.7	4701.9
70°	3433.0	3551.5	3684.2	3780.8	3805.1	3839.0	3875.1	3926.5	3970.6	4069.3	4146.1
72.5°	2758.0	2928.6	3041.0	3174.8	3203.6	3255.0	3275.3	3315.4	3323.3	3377.0	3397.3
75°	1922.3	2117.7	2230.7	2328.9	2348.1	2319.9	2331.2	2189.4	2153.3	2123.9	2100.2
77.5°	1268.9	1321.5	1339.5	1323.7	1248.0	1188.7	1125.5	1063.3	1070.2	1019.9	931.8
80°	1128.3	1140.2	1123.8	1108.0	1064.5	1002.4	945.3	887.2	858.3	827.9	782.7
82.5°	1097.8	1143.5	1148.6	1129.4	1095.0	1027.3	958.3	871.9	798.5	730.8	661.9
85°	367.0	446.7	482.3	515.5	525.8	537.6	497.0	441.7	374.9	330.4	258.7
87.5°	46.8	58.1	67.2	57.6	67.2	79.1	57.0	63.8	64.4	40.1	29.9
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°	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8
2.5°	541.6	541.0	541.0	541.0	540.4	541.0	541.0	541.0	541.0	541.0	540.4
5°	554.0	554.0	555.6	556.3	555.1	554.5	555.1	555.6	555.6	555.1	555.6
7.5°	577.1	577.7	578.9	580.5	579.4	580.0	580.5	580.0	581.7	582.2	581.7
10°	606.5	607.7	610.5	611.0	610.5	612.7	613.3	612.1	613.3	613.3	615.5
12.5°	640.4	641.6	644.9	646.0	647.2	647.8	649.4	649.9	651.7	652.8	654.5
15°	677.1	678.2	680.5	684.5	685.6	686.7	687.9	691.2	691.8	694.0	695.8
17.5°	708.2	709.8	713.3	716.1	717.7	720.6	721.7	725.7	726.8	730.2	733.0
20°	733.0	735.9	738.7	742.1	744.9	748.3	749.4	753.4	755.5	757.3	760.7
22.5°	755.5	759.0	762.9	766.8	769.1	773.7	775.3	777.1	782.2	784.4	787.8
25°	785.0	788.4	792.8	797.9	800.2	805.8	807.6	810.4	816.1	818.2	823.3
27.5°	825.1	829.5	833.0	838.0	840.8	844.8	848.8	852.1	857.2	860.6	866.3
30°	875.3	878.7	884.4	888.3	892.8	898.4	903.0	906.3	909.2	914.3	920.5
32.5°	949.3	949.8	951.5	961.1	965.7	970.2	976.4	979.2	983.7	988.8	995.6
35°	1041.3	1046.4	1050.4	1054.9	1060.0	1065.1	1067.4	1075.8	1079.7	1086.5	1093.3
37.5°	1132.8	1133.4	1142.4	1145.3	1149.7	1154.8	1162.8	1171.2	1181.3	1188.2	1198.9
40°	1231.1	1235.6	1246.9	1252.5	1258.2	1270.6	1276.8	1290.4	1307.4	1316.9	1335.0
42.5°	1373.4	1380.2	1400.5	1409.5	1423.1	1443.4	1456.4	1475.0	1481.9	1505.0	1513.5
45°	1559.8	1580.6	1610.1	1629.2	1653.5	1675.5	1686.8	1695.2	1705.5	1723.5	1721.2
47.5°	1761.3	1788.5	1821.2	1860.7	1876.6	1902.5	1917.2	1933.6	1924.6	1920.0	1915.5
50°	1968.1	1999.7	2043.1	2078.8	2103.0	2118.9	2131.2	2129.0	2109.7	2099.6	2071.4
52.5°	2197.9	2216.5	2257.7	2288.2	2302.9	2306.3	2303.5	2286.5	2268.5	2236.3	2203.0
55°	2550.3	2541.8	2558.1	2572.3	2567.8	2583.6	2542.9	2527.2	2482.5	2440.7	2396.1
57.5°	3266.3	3277.6	3186.1	3144.9	3137.6	3152.2	3080.5	3071.5	2963.6	2950.1	2875.0
60°	4313.3	4368.6	4296.9	4256.8	4148.4	4112.8	4032.6	3999.3	3896.0	3812.4	3706.8
62.5°	5100.5	5150.8	5180.7	5123.6	5060.4	4967.3	4845.8	4711.4	4601.9	4473.7	4361.9
65°	5171.7	5273.4	5342.2	5368.8	5324.1	5222.0	5072.3	4902.9	4735.1	4574.2	4433.1
67.5°	4839.1	4929.9	5036.7	5132.1	5137.8	5071.2	4943.5	4771.3	4577.6	4378.9	4213.4
70°	4267.6	4381.7	4474.8	4575.3	4645.4	4606.9	4543.1	4385.1	4183.9	4029.2	3839.0
72.5°	3470.8	3518.8	3541.3	3640.2	3641.3	3571.3	3526.1	3438.5	3276.5	3166.9	3021.8
75°	2026.7	1921.1	1808.8	1711.1	1631.5	1598.1	1450.2	1425.4	1325.9	1264.4	1174.1
77.5°	835.8	741.5	620.1	519.0	419.1	373.9	308.3	279.6	242.3	225.9	215.1
80°	716.6	627.4	536.0	448.4	370.5	292.5	227.6	176.8	139.0	118.0	109.5
82.5°	585.1	531.4	467.6	420.1	359.2	301.0	254.1	197.1	147.4	108.4	83.0
85°	211.2	173.4	139.5	128.2	102.2	84.1	70.6	60.4	49.7	39.5	35.0
87.5°	23.7	22.6	13.0	12.4	14.1	10.2	11.8	10.8	9.0	7.9	8.5
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8
2.5°	540.4	540.4	541.0	541.0	541.6	542.2	543.2	542.7	542.7	543.2	543.2
5°	555.6	557.4	556.8	556.8	556.8	557.4	557.9	555.6	553.5	551.2	550.1
7.5°	582.2	583.3	584.5	583.3	584.5	583.9	582.8	576.6	569.2	560.2	554.0
10°	616.7	616.7	617.8	617.2	619.5	617.8	614.4	600.3	584.5	565.3	551.2
12.5°	654.0	657.9	656.2	656.8	661.2	656.8	648.8	628.0	599.7	568.7	543.8
15°	698.0	699.7	700.8	699.2	702.0	698.0	683.8	650.6	609.3	565.8	529.1
17.5°	734.1	734.7	735.2	736.4	740.3	735.9	711.5	666.3	611.6	552.8	504.2
20°	762.4	765.2	767.5	767.5	773.1	766.3	734.1	674.3	604.2	531.4	472.6
22.5°	791.7	794.0	796.8	797.4	804.8	797.9	752.7	672.5	585.1	500.9	436.0
25°	827.9	830.2	832.4	835.2	845.4	835.8	771.4	665.8	558.5	464.8	396.5
27.5°	869.6	874.7	876.5	880.9	892.8	878.1	787.3	655.6	529.1	423.0	354.6
30°	925.6	931.8	934.1	940.2	956.6	924.5	796.3	638.1	491.9	380.6	310.1
32.5°	1000.7	1009.1	1016.0	1022.7	1041.3	970.8	797.4	612.7	448.4	333.2	267.2
35°	1099.0	1111.9	1117.0	1121.6	1139.1	1021.0	792.3	574.9	395.3	284.7	233.3
37.5°	1209.0	1222.1	1225.4	1227.7	1231.1	1063.9	779.9	517.3	335.4	242.3	206.1
40°	1344.6	1355.9	1360.4	1357.0	1339.0	1097.2	752.2	450.1	277.3	213.5	189.2
42.5°	1510.1	1527.0	1528.7	1513.5	1453.6	1115.9	696.9	371.0	231.5	192.5	176.2
45°	1715.0	1713.9	1704.4	1693.6	1578.3	1108.5	619.5	302.1	202.7	176.2	164.4
47.5°	1899.2	1879.9	1865.3	1833.7	1688.5	1065.6	519.6	250.2	185.2	163.7	154.2
50°	2049.9	2014.9	1983.8	1949.4	1770.4	989.4	420.1	212.3	168.8	153.1	144.6
52.5°	2169.1	2126.7	2090.6	2056.7	1849.4	904.7	344.5	184.7	153.1	142.3	133.9
55°	2355.4	2313.1	2255.4	2218.2	1970.3	826.7	295.3	162.6	137.8	131.0	122.6
57.5°	2826.9	2789.7	2720.8	2624.2	2280.9	797.4	267.7	145.7	125.4	121.5	114.6
60°	3650.4	3589.9	3500.1	3401.9	2912.2	817.1	245.7	133.9	116.9	113.5	108.4
62.5°	4271.5	4165.4	4063.7	3972.7	3417.1	816.6	216.9	124.8	110.7	109.0	103.9
65°	4296.9	4189.1	4086.8	3991.4	3428.4	726.8	183.0	116.9	109.5	109.0	100.5
67.5°	4068.8	3951.9	3853.1	3732.7	3173.7	568.1	146.8	111.8	114.1	113.0	99.4
70°	3696.1	3543.6	3462.3	3343.7	2793.1	397.5	120.8	113.5	123.6	120.3	101.0
72.5°	2900.9	2785.7	2662.1	2579.6	2186.6	251.3	101.7	114.6	127.7	122.0	105.6
75°	1079.7	1110.8	1060.0	1041.9	1110.8	147.4	90.4	106.7	114.1	105.6	96.0
77.5°	218.0	208.4	197.6	195.4	252.4	90.9	83.0	92.6	87.6	77.4	77.9
80°	104.5	101.7	98.2	97.7	93.8	75.6	76.8	79.1	66.1	59.9	63.8
82.5°	69.4	65.5	64.4	62.1	63.2	67.8	72.8	67.8	50.8	47.5	57.6
85°	32.2	31.1	30.5	30.5	33.9	61.0	60.4	49.7	35.0	33.9	57.6
87.5°	7.9	7.9	8.5	7.9	9.0	18.0	15.9	15.2	13.0	14.7	27.2
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):

	165°	175°	180°
0°	538.8	538.8	538.8
2.5°	542.7	543.2	542.7
5°	547.8	547.8	547.8
7.5°	547.8	546.1	545.5
10°	539.9	534.8	534.8
12.5°	526.3	517.8	516.7
15°	500.9	489.6	487.9
17.5°	468.7	453.5	450.7
20°	432.5	413.4	409.9
22.5°	393.1	371.0	369.3
25°	354.1	331.5	326.9
27.5°	310.6	288.6	286.3
30°	267.2	247.9	246.7
32.5°	230.4	218.5	216.3
35°	204.5	197.6	194.8
37.5°	187.5	182.4	181.9
40°	174.5	169.9	169.4
42.5°	163.7	159.8	159.3
45°	153.1	149.6	148.5
47.5°	142.3	139.0	138.3
50°	132.7	128.2	127.7
52.5°	123.6	119.2	118.0
55°	115.2	110.7	110.7
57.5°	107.9	103.3	102.8
60°	101.0	96.6	96.0
62.5°	96.0	90.4	89.7
65°	92.0	86.4	85.3
67.5°	89.7	83.0	81.3
70°	93.8	81.3	78.4
72.5°	94.3	79.6	75.6
75°	90.9	75.1	72.3
77.5°	79.6	67.2	64.4
80°	68.9	51.9	48.0
82.5°	65.5	42.4	36.7
85°	50.8	27.7	26.0
87.5°	28.8	15.2	12.4
90°	0.0	0.0	0.0

(END OF REPORT)