Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P149184

Luminaire Tested: **AVS-F02-LED-E-U-RW-7030**

Issue Date: 3/3/2020

Report Generated By E9812814

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P149184
	REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
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-RW-7030
Description:	VISION SITE SMALL LED LUMINAIRE
	(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source:	(14) 3000K CCT, 70 CRI LEDs
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4710.9 lumens
Efficiency:	N/A
Efficacy:	85.7 lumens/watt
Luminous Opening:	Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification:	Type V - Medium - Full Cutoff
BUG Rating:	B2 - 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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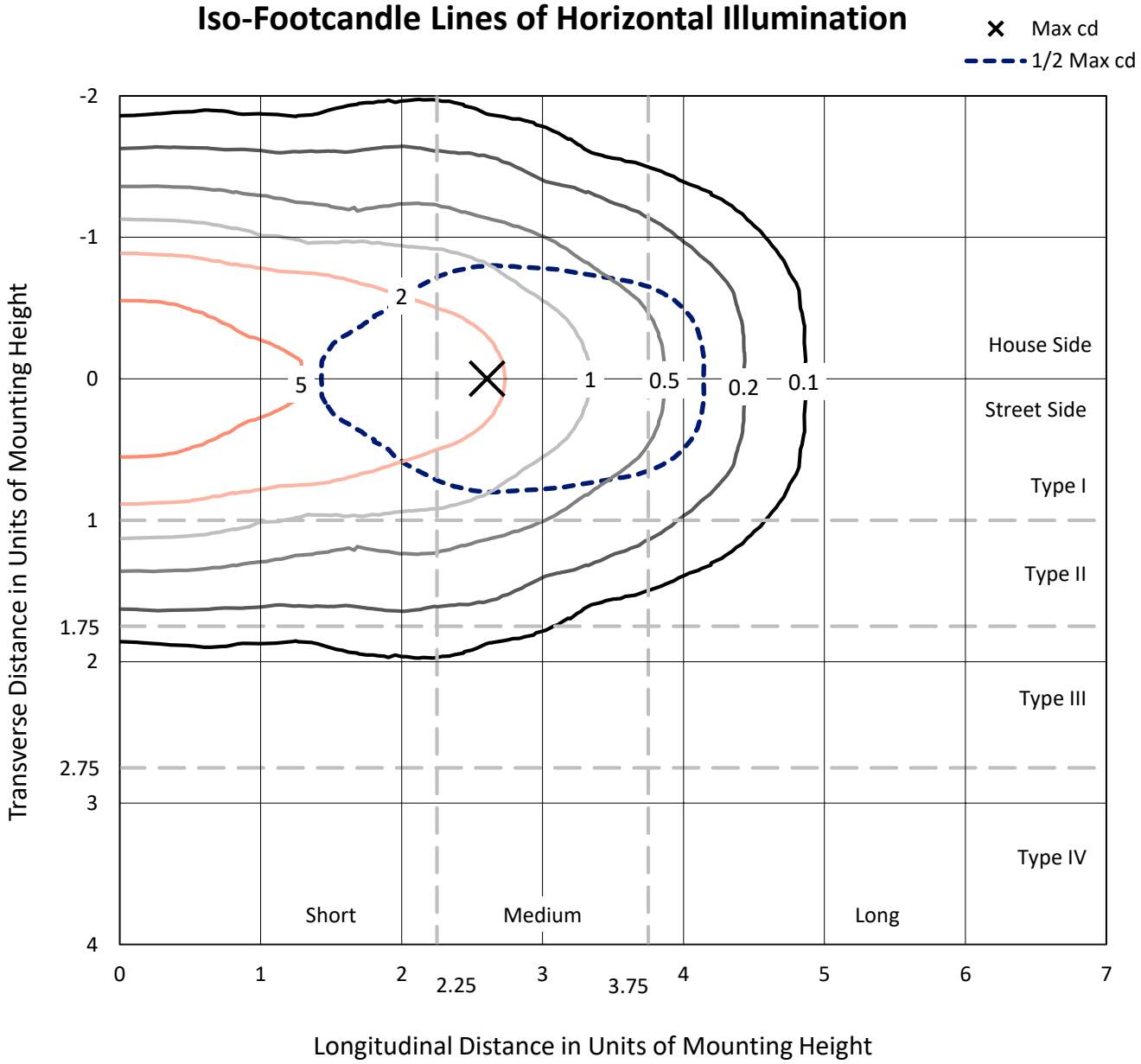
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type V - Medium - Full Cutoff

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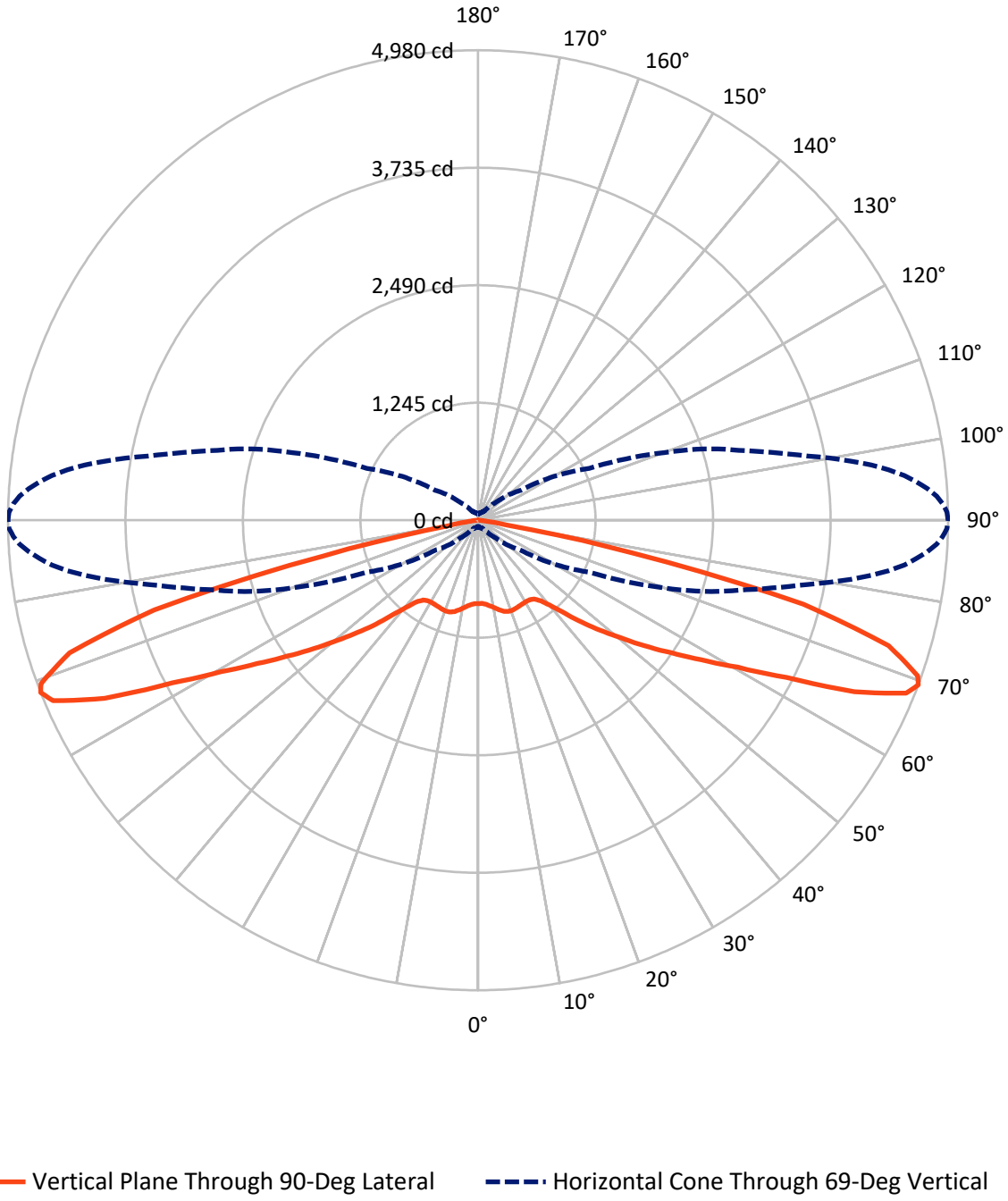
Luminous Intensity Polar Plot



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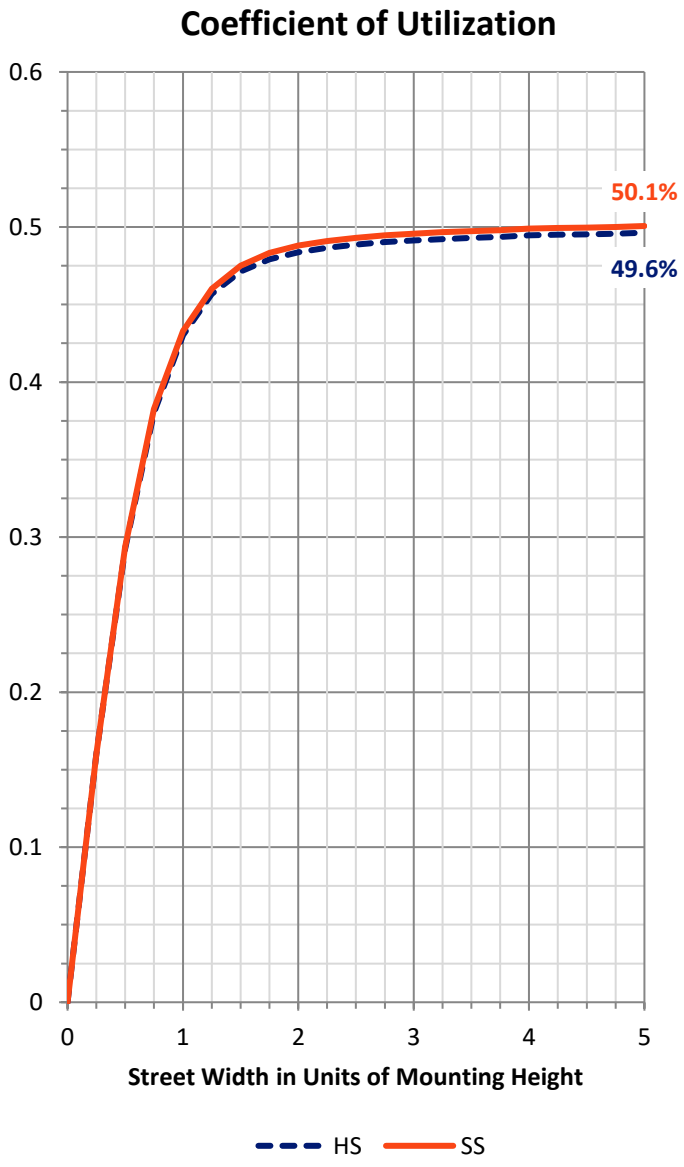
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2355.4	0.0	2355.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2355.4	0.0	2355.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4710.9	0.0	4710.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	1.8
10°-20°	273.1	5.8
20°-30°	442.5	9.4
30°-40°	551.5	11.7
40°-50°	689.1	14.6
50°-60°	850.9	18.1
60°-70°	1057.3	22.4
70°-80°	701.9	14.9
80°-90°	58.0	1.2
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°	4710.9	100.0
0°-180°	4710.9	100.0



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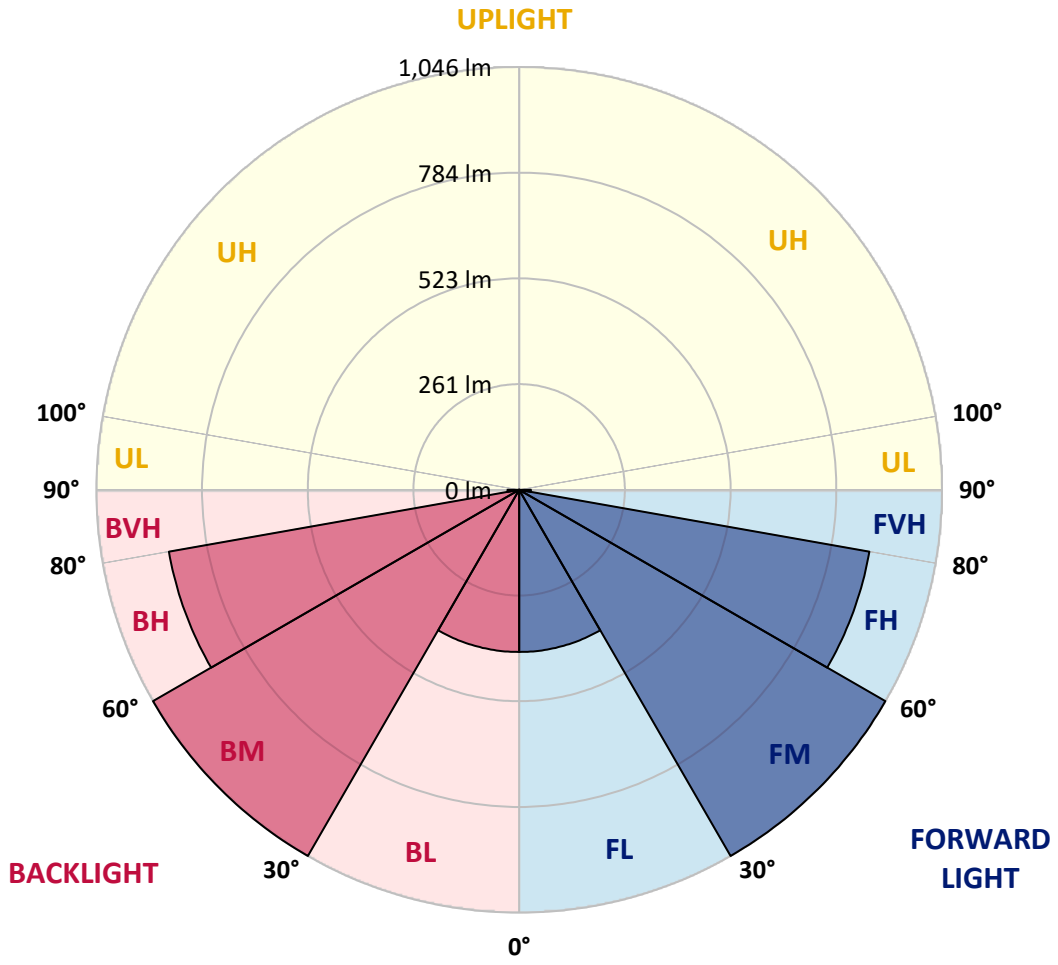
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	401.1	8.5			
FM	(30°-60°)	1045.8	22.2			
FH	(60°-80°)	879.6	18.7			G1/1800
FVH	(80°-90°)	29.0	0.6			G1/100
BL	(0°-30°)	401.1	8.5	B1/500		
BM	(30°-60°)	1045.8	22.2	B2/2500		
BH	(60°-80°)	879.6	18.7	B2/1000		G1/1800
BVH	(80°-90°)	29.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7
2.5°	886.7	887.4	887.0	888.0	887.7	887.6	887.2	886.2	886.1	885.9	885.8
5°	895.2	894.2	895.8	897.2	896.8	897.0	896.8	896.8	896.6	896.6	896.4
7.5°	904.3	904.0	905.0	909.0	909.6	911.0	912.8	914.0	914.1	914.2	914.2
10°	912.1	912.4	914.8	920.6	923.6	928.4	933.2	937.0	937.3	937.5	937.8
12.5°	918.4	918.6	922.4	931.4	938.8	947.8	958.1	963.9	964.4	964.9	965.4
15°	918.9	919.6	926.2	941.0	955.6	970.4	982.7	990.5	990.9	991.3	991.7
17.5°	912.4	912.8	923.8	945.8	970.2	993.2	1006.0	1009.6	1009.8	1009.9	1010.0
20°	895.2	896.6	912.2	944.5	981.7	1011.8	1025.2	1020.4	1019.9	1019.5	1019.0
22.5°	867.6	867.4	887.8	931.4	984.0	1026.4	1038.3	1025.7	1024.2	1022.7	1021.3
25°	822.8	825.9	849.8	902.1	971.2	1029.8	1047.5	1028.4	1026.3	1024.2	1022.0
27.5°	774.4	776.1	801.5	857.5	941.2	1018.4	1052.1	1034.0	1031.6	1029.2	1026.8
30°	717.8	720.0	747.2	805.8	893.2	989.2	1050.8	1046.6	1043.8	1041.0	1038.2
32.5°	662.6	665.0	689.4	753.6	842.8	949.3	1043.2	1064.4	1061.5	1058.7	1055.8
35°	605.2	609.0	638.6	703.4	794.0	904.8	1031.7	1087.2	1085.7	1084.1	1082.5
37.5°	557.7	558.4	587.2	655.2	748.7	862.4	1016.4	1116.2	1117.4	1118.5	1119.7
40°	504.7	509.4	538.2	610.0	707.8	826.4	1001.8	1155.4	1161.4	1167.4	1173.4
42.5°	457.2	457.6	486.8	561.0	663.3	797.4	993.8	1202.6	1215.4	1228.3	1241.1
45°	407.2	409.2	435.6	507.2	612.0	763.3	993.6	1257.2	1277.7	1298.2	1318.7
47.5°	359.9	360.6	388.6	455.1	553.2	715.6	991.8	1315.8	1343.7	1371.6	1399.5
50°	314.7	314.0	341.3	405.4	495.1	653.0	976.4	1382.1	1417.3	1452.6	1487.8
52.5°	262.9	266.4	294.8	356.2	442.4	589.4	931.8	1454.8	1496.9	1539.1	1581.2
55°	212.2	213.7	244.0	301.4	388.8	530.0	853.8	1521.6	1571.3	1621.0	1670.7
57.5°	156.4	160.8	187.5	244.0	334.5	480.1	754.7	1556.2	1616.8	1677.2	1737.8
60°	110.4	113.9	137.5	185.0	274.9	427.5	669.6	1536.9	1615.5	1694.1	1772.7
62.5°	85.9	88.7	107.6	138.4	214.4	375.0	608.5	1474.3	1581.3	1688.2	1795.2
65°	75.4	77.9	95.0	110.8	160.1	321.4	575.1	1408.2	1549.6	1691.0	1832.4
67.5°	68.2	71.2	85.9	97.0	130.4	280.5	566.2	1366.4	1526.6	1686.7	1846.9
69°	*64.9*	*67.9*	*81.2*	*90.5*	*121.2*	*265.9*	*551.2*	*1300.8*	*1460.1*	*1619.3*	*1778.5*
70°	62.8	65.4	77.6	87.2	118.1	255.8	526.0	1219.0	1375.3	1531.7	1688.0
72.5°	58.3	59.6	70.4	79.7	109.6	206.9	404.6	905.3	1040.8	1176.4	1311.9
75°	51.5	53.0	63.1	72.1	85.4	128.4	256.1	560.0	661.2	762.4	863.5
77.5°	44.4	45.8	54.5	68.8	66.3	80.2	153.0	311.6	370.3	429.0	487.7
80°	35.7	37.2	45.0	68.4	54.8	62.3	110.0	217.9	233.7	249.6	265.4
82.5°	26.2	27.4	35.2	55.3	42.0	47.0	83.9	184.8	190.3	195.8	201.3
85°	13.3	13.6	22.4	33.7	26.6	24.4	47.3	126.4	129.9	133.4	136.9
87.5°	2.3	2.3	5.0	5.8	6.5	4.0	6.1	21.6	22.3	23.0	23.7
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7
2.5°	885.7	885.6	885.1	885.2	885.6	885.3	885.7	885.8	886.0	885.1	884.9
5°	896.4	896.2	896.2	896.2	896.4	896.3	896.5	896.9	896.8	896.2	896.0
7.5°	914.3	914.3	914.6	914.3	914.8	914.6	914.1	914.9	915.4	915.5	916.0
10°	938.1	938.3	939.2	939.1	940.0	939.8	940.0	940.8	941.4	941.5	942.2
12.5°	965.9	966.4	966.8	967.3	968.2	967.7	968.9	969.4	970.1	971.6	970.9
15°	992.1	992.5	993.9	994.0	994.8	995.2	996.2	996.7	996.9	998.2	998.3
17.5°	1010.2	1010.4	1010.8	1010.6	1011.4	1011.1	1011.8	1012.2	1012.9	1013.6	1014.7
20°	1018.5	1018.0	1017.7	1017.5	1016.9	1016.2	1016.4	1016.8	1016.8	1017.4	1018.3
22.5°	1019.8	1018.3	1016.8	1015.8	1014.2	1012.9	1011.6	1011.8	1011.8	1011.7	1012.2
25°	1019.9	1017.8	1015.4	1012.4	1010.4	1007.4	1005.0	1004.8	1004.2	1004.2	1004.5
27.5°	1024.4	1022.0	1018.7	1015.4	1010.8	1006.9	1003.1	1001.7	1000.3	999.5	999.1
30°	1035.4	1032.6	1028.6	1024.4	1019.4	1013.4	1007.9	1006.2	1004.2	1002.4	1001.0
32.5°	1052.9	1050.1	1045.7	1041.2	1034.5	1028.6	1023.2	1020.4	1017.6	1014.6	1011.8
35°	1080.9	1079.4	1075.5	1071.6	1066.7	1062.0	1057.1	1054.0	1049.4	1047.0	1043.6
37.5°	1120.8	1122.0	1122.0	1122.4	1120.9	1118.7	1115.2	1111.9	1110.4	1104.1	1100.1
40°	1179.4	1185.4	1190.9	1195.2	1198.9	1202.6	1205.9	1204.0	1204.6	1203.0	1200.5
42.5°	1254.0	1266.8	1278.6	1290.3	1298.8	1312.0	1321.2	1324.2	1331.6	1334.5	1340.0
45°	1339.2	1359.7	1379.4	1397.6	1414.6	1433.5	1452.0	1465.6	1480.7	1497.6	1514.6
47.5°	1427.5	1455.4	1484.4	1508.1	1532.7	1560.7	1585.1	1605.8	1632.8	1657.7	1685.1
50°	1523.1	1558.4	1591.4	1620.7	1652.2	1684.5	1718.0	1748.4	1784.8	1824.8	1868.0
52.5°	1623.4	1665.6	1703.8	1740.6	1777.5	1814.5	1850.2	1893.1	1938.0	1990.8	2044.7
55°	1720.4	1770.2	1813.5	1854.3	1896.8	1938.1	1975.0	2032.3	2087.4	2150.3	2220.7
57.5°	1798.2	1858.8	1908.8	1957.3	2005.1	2049.0	2094.4	2159.0	2229.3	2302.7	2392.1
60°	1851.3	1930.0	1993.9	2052.2	2110.8	2166.1	2218.2	2302.8	2386.3	2477.6	2588.8
62.5°	1902.2	2009.2	2092.5	2172.1	2251.1	2322.2	2386.9	2493.3	2602.4	2715.3	2847.6
65°	1973.8	2115.2	2238.0	2348.9	2458.3	2562.7	2659.6	2794.4	2932.1	3080.7	3238.6
67.5°	2007.0	2167.2	2327.0	2476.6	2615.6	2747.8	2872.2	3035.1	3197.3	3369.5	3560.3
69°	*1937.8*	*2097.0*	*2267.8*	*2431.2*	*2584.7*	*2724.9*	*2859.6*	*3026.0*	*3194.6*	*3370.5*	*3562.9*
70°	1844.4	2000.7	2173.2	2343.9	2490.8	2636.9	2776.4	2941.5	3112.3	3288.7	3490.1
72.5°	1447.5	1583.1	1751.2	1916.9	2064.3	2210.9	2346.4	2515.4	2687.2	2872.4	3063.2
75°	964.7	1065.9	1191.2	1344.9	1480.0	1609.7	1741.0	1883.8	2051.6	2204.2	2378.7
77.5°	546.4	605.1	677.9	777.9	874.8	952.4	1046.0	1113.2	1210.6	1294.7	1383.4
80°	281.2	297.1	318.8	342.8	356.4	354.3	368.2	354.4	357.5	346.2	334.2
82.5°	206.8	212.3	222.1	226.9	226.4	210.6	193.8	170.5	149.9	128.3	108.5
85°	140.5	144.0	146.4	150.2	149.1	142.3	127.2	106.8	87.1	69.9	55.9
87.5°	24.3	25.0	24.8	26.9	27.0	25.1	20.6	17.6	14.9	11.0	7.8
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	882.7	*882.7*
2.5°	884.7	884.7	885.2	884.7	884.7	884.7	884.4	885.0	884.7	883.9	*883.2*
5°	896.2	895.5	895.2	895.8	896.3	895.2	896.0	896.8	895.5	895.8	*895.2*
7.5°	915.6	915.4	915.1	915.6	915.6	915.3	915.6	914.8	914.4	915.1	*915.9*
10°	941.4	941.2	941.8	941.8	942.7	942.2	942.0	942.8	942.2	941.8	*942.0*
12.5°	971.9	971.2	972.4	972.4	973.2	973.2	972.9	973.2	972.9	972.2	*971.6*
15°	999.1	998.0	998.3	1000.3	1000.0	1000.6	1000.6	1000.0	999.8	999.5	*999.8*
17.5°	1015.4	1014.9	1014.9	1015.9	1016.6	1016.4	1016.4	1016.4	1016.1	1016.4	*1016.9*
20°	1018.4	1018.4	1018.6	1019.6	1020.9	1020.2	1020.2	1020.6	1020.2	1020.7	*1020.9*
22.5°	1012.6	1013.2	1013.6	1014.9	1015.2	1015.2	1015.1	1015.4	1015.9	1015.9	*1016.4*
25°	1004.6	1005.0	1005.8	1006.8	1007.8	1007.8	1007.8	1008.4	1008.3	1008.6	*1008.8*
27.5°	998.6	999.0	999.8	1000.8	1002.1	1002.1	1002.0	1002.6	1002.6	1002.8	*1003.3*
30°	999.2	998.3	999.0	999.6	1000.3	1000.3	1000.0	1000.3	1000.6	1000.6	*1000.8*
32.5°	1010.1	1007.8	1007.1	1006.8	1007.0	1006.3	1006.1	1005.5	1005.1	1005.0	*1004.9*
35°	1038.8	1035.2	1035.0	1032.9	1031.0	1029.0	1029.2	1027.6	1028.2	1027.0	*1025.9*
37.5°	1097.6	1093.6	1096.0	1091.8	1089.0	1087.0	1084.7	1081.8	1080.0	1082.2	*1082.3*
40°	1202.8	1200.1	1199.4	1200.2	1197.6	1198.8	1193.3	1191.8	1188.6	1190.8	*1193.8*
42.5°	1348.4	1346.6	1356.2	1358.0	1359.0	1360.4	1361.4	1353.2	1352.9	1351.2	*1346.1*
45°	1528.2	1538.6	1538.2	1549.7	1550.2	1546.7	1548.2	1544.4	1542.9	1537.4	*1544.1*
47.5°	1712.8	1732.9	1740.5	1743.0	1752.4	1754.8	1745.8	1742.8	1748.0	1739.0	*1740.2*
50°	1911.1	1932.7	1950.3	1962.2	1969.0	1969.4	1962.6	1961.2	1965.9	1948.8	*1956.9*
52.5°	2106.2	2138.8	2172.0	2189.6	2202.2	2203.2	2208.4	2202.1	2204.7	2200.6	*2208.7*
55°	2298.4	2355.0	2393.9	2428.4	2450.2	2469.0	2470.9	2477.6	2478.2	2486.4	*2478.1*
57.5°	2486.4	2548.0	2615.9	2677.0	2710.8	2732.2	2752.4	2779.8	2785.8	2782.4	*2787.8*
60°	2708.4	2803.6	2895.8	2966.2	3024.8	3080.8	3111.0	3153.9	3160.8	3179.4	*3163.2*
62.5°	2988.9	3127.1	3252.2	3347.0	3436.0	3523.2	3589.0	3622.2	3642.3	3681.2	*3668.4*
65°	3419.1	3585.0	3750.6	3886.3	4011.0	4114.8	4214.8	4262.6	4315.4	4370.6	*4380.7*
67.5°	3773.5	3978.8	4165.6	4330.9	4482.0	4597.4	4701.4	4784.0	4848.5	4889.1	*4892.4*
69°	*3789.6*	*4003.0*	*4205.8*	*4383.3*	*4540.8*	*4663.4*	*4773.0*	*4865.0*	*4927.6*	*4969.2*	*4980.4*
70°	3712.7	3931.1	4147.2	4326.4	4487.8	4613.2	4729.4	4817.0	4886.9	4929.4	*4944.1*
72.5°	3280.1	3513.4	3744.4	3901.4	4066.2	4215.6	4308.6	4398.0	4496.6	4509.4	*4550.1*
75°	2585.7	2781.8	2961.0	3081.0	3218.8	3352.8	3444.0	3467.6	3519.2	3584.0	*3560.8*
77.5°	1498.4	1558.8	1674.4	1704.0	1678.9	1737.2	1756.6	1715.4	1713.3	1751.3	*1675.9*
80°	332.0	313.2	336.8	319.2	319.7	320.2	314.9	312.9	316.6	312.9	*307.7*
82.5°	91.9	89.0	89.4	88.5	90.2	89.0	88.2	90.2	89.9	89.8	*91.5*
85°	44.2	43.8	43.0	42.8	41.7	40.4	38.4	38.4	39.5	38.0	*38.8*
87.5°	5.8	5.5	5.6	6.5	5.8	4.8	4.8	4.8	4.6	4.6	*4.6*
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)