

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: P154782

Luminaire Tested: **AVS-E02-LED-E-U-T2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154782
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E02-LED-E-U-T2-7060
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6287.7 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 52.1
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



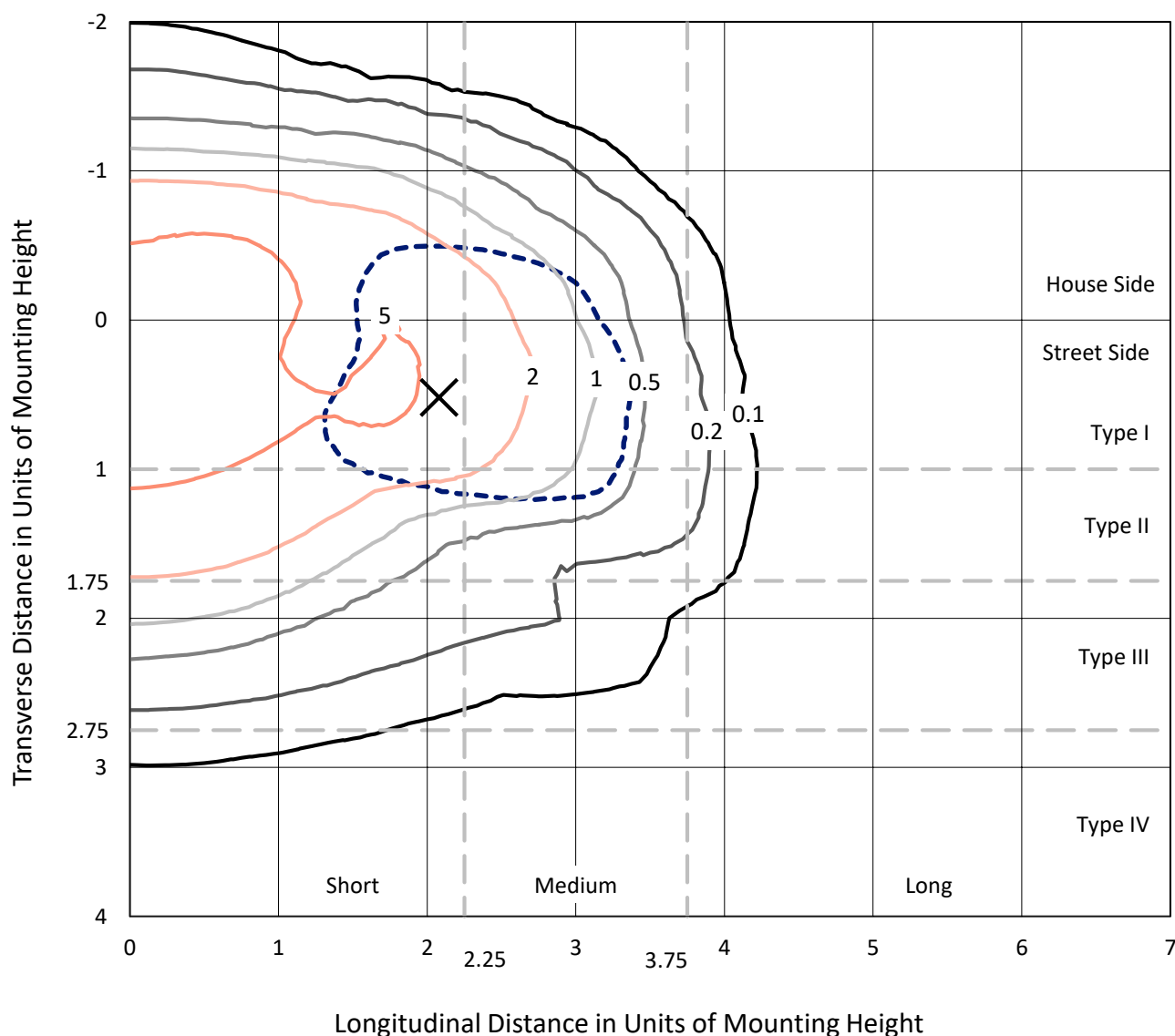
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

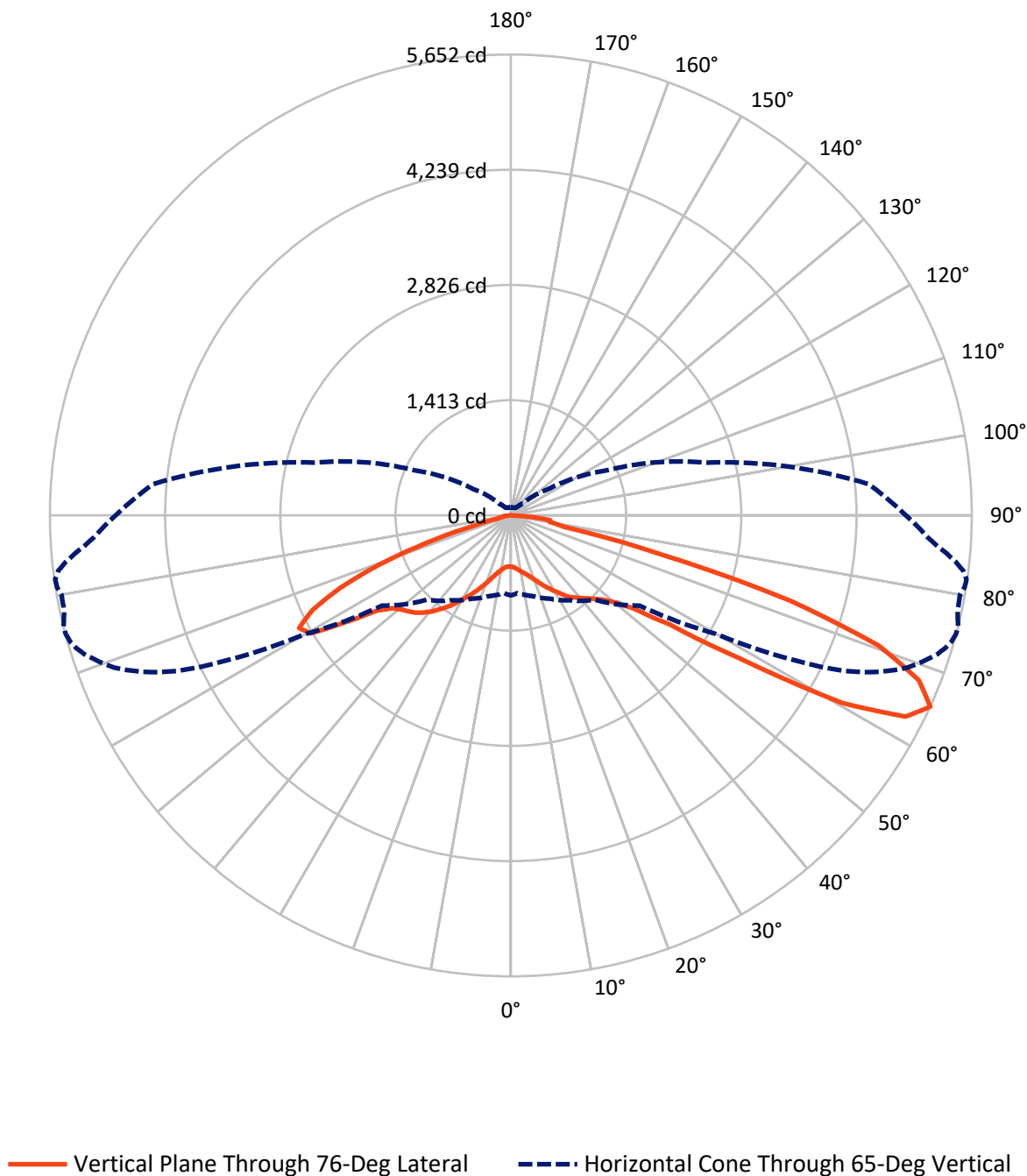


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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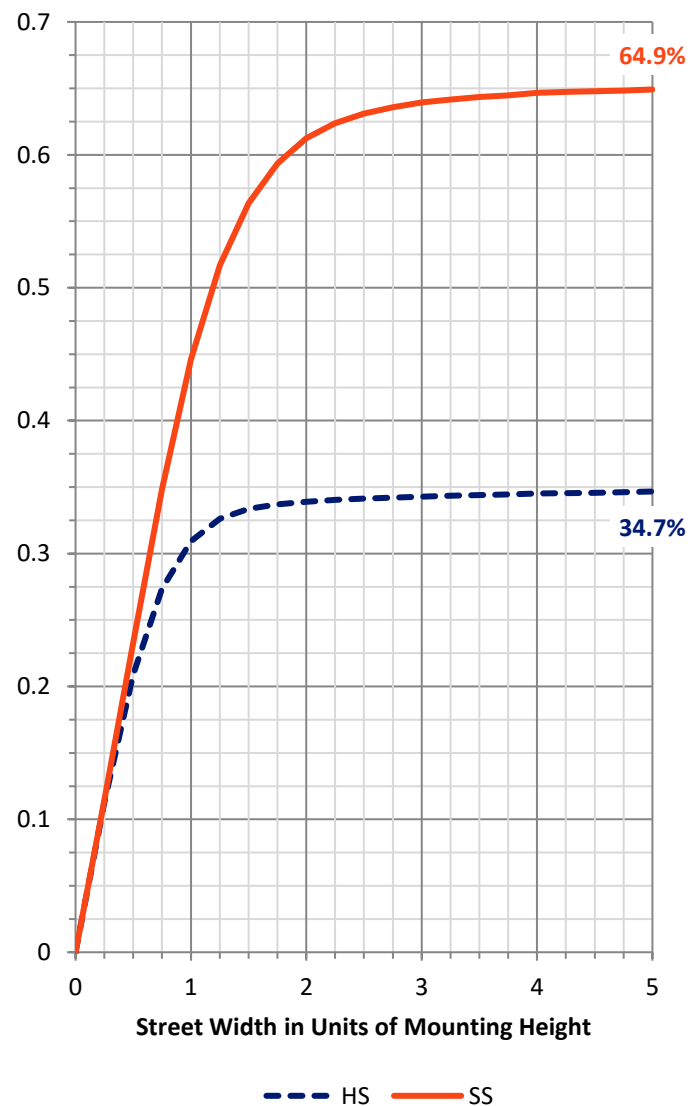
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2201.8	0.0	2201.8
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	4085.9	0.0	4085.9
	% Fixture	65.0	0.0	65.0
Total	Lumens	6287.7	0.0	6287.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.0
10°-20°	216.2	3.4
20°-30°	424.8	6.8
30°-40°	705.8	11.2
40°-50°	1037.2	16.5
50°-60°	1435.9	22.8
60°-70°	1713.9	27.3
70°-80°	606.1	9.6
80°-90°	84.7	1.3
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°	6287.7	100.0
0°-180°	6287.7	100.0

Coefficient of Utilization



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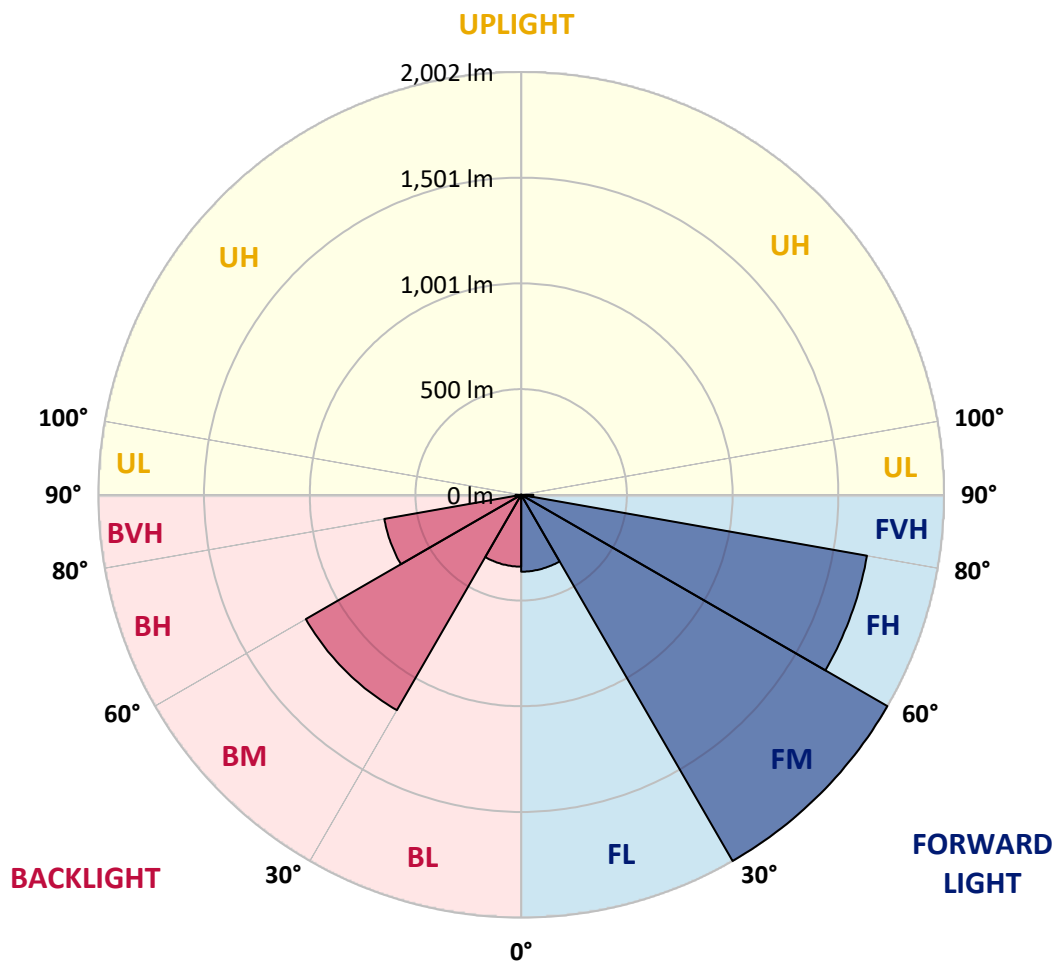
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	363.8	5.8			
FM	(30°-60°)	2001.8	31.8			
FH	(60°-80°)	1662.4	26.4			G1/1800
FVH	(80°-90°)	57.9	0.9			G1/100
BL	(0°-30°)	340.2	5.4	B1/500		
BM	(30°-60°)	1177.1	18.7	B2/2500		
BH	(60°-80°)	657.7	10.5	B2/1000		G2/1000
BVH	(80°-90°)	26.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7
2.5°	656.1	656.7	655.3	654.6	652.6	649.2	646.4	643.7	643.7	643.7	641.7
5°	684.8	686.1	683.4	681.3	675.1	671.7	666.9	663.5	662.2	661.5	659.5
7.5°	721.0	719.0	714.8	713.5	708.7	701.1	692.2	685.4	685.4	684.8	685.4
10°	757.3	751.8	749.7	747.7	740.2	730.6	720.3	712.8	712.1	711.4	709.4
12.5°	793.5	791.5	789.4	781.9	774.4	759.3	747.7	740.2	739.5	740.2	737.4
15°	841.5	836.6	834.6	821.6	805.2	788.7	774.4	767.6	765.5	766.1	764.1
17.5°	878.3	878.3	873.6	859.2	838.0	815.4	800.3	796.3	795.5	795.5	796.3
20°	907.8	907.0	902.3	890.7	865.4	842.8	835.2	833.9	833.2	833.2	835.2
22.5°	924.1	922.8	920.7	907.8	887.9	872.8	873.6	877.6	879.1	880.4	883.1
25°	932.4	930.4	929.6	920.7	906.4	904.4	916.7	927.6	930.4	933.1	936.5
27.5°	946.1	942.7	944.0	940.6	937.2	943.3	968.6	980.3	982.3	985.7	987.8
30°	983.7	982.3	987.8	989.1	991.9	1000.8	1024.0	1035.0	1039.8	1039.8	1049.3
32.5°	1055.5	1056.2	1057.6	1071.9	1076.7	1082.9	1095.2	1104.0	1104.8	1105.5	1114.3
35°	1152.0	1156.1	1167.7	1180.0	1191.6	1191.0	1183.4	1188.2	1184.8	1188.9	1189.6
37.5°	1273.8	1268.3	1285.4	1313.4	1331.2	1326.4	1292.8	1271.0	1277.2	1274.4	1272.3
40°	1367.5	1373.6	1406.4	1443.4	1457.1	1472.1	1428.3	1390.7	1385.3	1375.0	1368.8
42.5°	1496.8	1497.4	1524.1	1551.5	1591.2	1623.9	1596.0	1541.9	1525.5	1513.2	1486.5
45°	1616.5	1614.4	1636.3	1669.8	1717.0	1764.2	1774.5	1715.6	1709.5	1687.6	1652.7
47.5°	1696.5	1693.8	1708.8	1752.5	1829.2	1906.5	1948.9	1931.1	1919.5	1910.6	1855.9
50°	1750.6	1745.1	1762.2	1808.7	1894.2	2013.3	2124.0	2139.1	2134.3	2134.3	2099.4
52.5°	1790.9	1790.9	1803.2	1840.8	1927.7	2076.2	2274.5	2350.5	2356.6	2363.4	2361.5
55°	1768.3	1771.7	1802.5	1857.2	1948.9	2119.9	2399.1	2565.3	2599.5	2628.2	2661.0
57.5°	1691.0	1702.7	1743.7	1833.3	1954.4	2152.7	2537.2	2866.2	2962.7	3046.1	3176.2
60°	1578.1	1593.2	1652.7	1766.9	1914.0	2099.4	2585.8	3120.7	3274.0	3456.0	3795.2
62.5°	1384.6	1399.6	1457.7	1572.0	1697.8	1894.9	2384.7	3158.3	3403.2	3661.1	4174.2
65°	980.9	957.0	1024.0	1126.6	1271.0	1461.9	1927.0	2905.9	3258.2	3607.8	4241.2
67.5°	546.5	544.6	585.6	662.2	800.3	1005.6	1327.8	2228.7	2553.0	2949.0	3726.8
70°	376.9	381.0	407.0	489.8	604.0	781.2	946.1	1399.6	1632.8	1901.8	2666.5
72.5°	264.8	273.7	288.0	337.2	454.2	658.0	966.6	836.6	953.0	1136.3	1603.4
75°	155.2	161.5	171.7	195.6	258.5	439.9	1000.8	735.3	735.3	778.4	970.1
77.5°	95.8	95.8	102.0	111.5	137.5	215.4	712.8	826.3	803.1	778.4	780.5
80°	49.2	52.6	61.6	66.3	76.6	98.5	320.1	771.0	845.5	895.4	860.5
82.5°	22.6	25.3	37.6	40.3	44.5	52.0	110.2	438.4	587.6	773.7	966.6
85°	11.6	11.6	19.8	24.7	26.6	23.9	40.3	177.2	268.2	409.1	640.3
87.5°	2.1	2.1	3.4	4.1	6.1	5.5	6.8	10.3	17.1	18.4	19.2
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7
2.5°	640.9	641.7	640.9	640.3	639.0	639.0	639.0	638.2	638.2	638.2	637.5
5°	659.5	656.7	657.4	656.1	655.3	654.6	655.3	654.0	652.6	653.3	652.6
7.5°	682.7	681.3	678.5	678.5	677.9	676.6	676.6	674.5	673.8	672.4	671.7
10°	708.7	705.3	706.6	705.3	706.0	703.2	701.9	700.5	699.2	699.2	699.8
12.5°	735.3	734.7	732.6	731.3	731.3	729.2	729.9	729.2	727.2	726.5	724.5
15°	762.7	762.7	760.7	761.3	760.7	759.3	757.9	757.9	756.6	755.2	755.9
17.5°	794.9	794.9	794.9	794.9	795.5	793.5	794.2	792.8	791.5	794.2	794.2
20°	836.6	839.4	839.4	838.7	842.1	840.0	839.4	842.8	839.4	844.1	843.4
22.5°	884.5	887.3	887.3	889.9	890.7	892.7	894.1	892.7	895.4	898.1	898.1
25°	937.8	940.6	942.7	946.7	948.8	947.5	948.1	951.5	953.0	955.6	958.3
27.5°	994.0	994.6	997.4	1002.2	1005.6	1006.9	1007.7	1013.1	1013.8	1015.1	1017.9
30°	1048.7	1055.5	1054.2	1060.3	1062.4	1064.5	1068.5	1070.6	1075.3	1078.1	1078.1
32.5°	1113.0	1111.6	1117.1	1121.9	1125.3	1128.7	1132.1	1134.9	1137.6	1139.0	1145.8
35°	1193.1	1195.8	1195.8	1196.5	1204.7	1205.3	1208.1	1214.2	1216.3	1220.4	1223.1
37.5°	1272.3	1267.6	1266.9	1266.9	1264.1	1266.2	1266.9	1267.6	1270.4	1271.0	1273.8
40°	1361.3	1355.1	1349.6	1346.2	1340.8	1333.3	1331.9	1328.5	1330.5	1329.8	1330.5
42.5°	1483.1	1466.0	1453.0	1443.4	1432.4	1424.2	1418.0	1409.2	1403.0	1395.5	1394.1
45°	1638.3	1606.2	1584.4	1568.6	1552.8	1530.3	1517.3	1503.6	1491.3	1479.0	1468.7
47.5°	1842.2	1808.0	1773.2	1744.4	1719.8	1683.5	1646.5	1626.0	1602.1	1580.9	1565.8
50°	2082.3	2041.2	2024.9	1984.5	1953.7	1899.0	1853.2	1819.6	1771.7	1739.6	1711.5
52.5°	2327.9	2317.6	2308.7	2274.5	2238.2	2206.8	2166.4	2107.7	2059.1	2022.1	1964.7
55°	2662.4	2667.2	2663.7	2645.3	2632.3	2602.2	2585.8	2534.5	2512.5	2459.3	2399.1
57.5°	3225.4	3263.7	3312.2	3331.4	3357.4	3332.7	3361.6	3396.4	3309.5	3339.6	3285.6
60°	3944.4	4120.1	4224.8	4353.5	4437.5	4555.2	4576.5	4607.3	4598.3	4615.4	4650.3
62.5°	4383.5	4592.1	4792.6	4938.3	5094.3	5180.4	5284.5	5357.0	5432.2	5482.8	5468.5
65°	4512.8	4727.6	4909.5	5068.9	5208.5	5313.9	5410.4	5501.2	5570.4	5619.0	5647.7
67.5°	4038.0	4318.5	4510.1	4696.8	4876.8	4987.6	5068.3	5156.5	5257.7	5341.9	5358.3
70°	3038.7	3459.4	3730.9	3954.6	4166.0	4315.1	4428.0	4510.1	4588.7	4648.9	4714.6
72.5°	1900.3	2268.4	2579.0	2869.0	3093.4	3298.5	3393.7	3575.6	3551.7	3597.5	3646.7
75°	1139.0	1318.2	1489.2	1693.8	1811.4	1982.5	2013.3	2043.3	2027.6	1976.3	2014.6
77.5°	791.5	820.9	819.5	807.9	795.5	765.5	726.5	705.3	690.9	670.4	678.5
80°	796.3	732.6	635.5	534.3	441.2	379.7	355.0	355.0	380.3	416.6	452.8
82.5°	951.5	883.8	788.1	659.5	522.6	425.5	360.5	334.5	339.3	376.3	422.8
85°	641.7	656.7	576.0	526.7	417.3	325.0	272.2	220.9	195.6	201.8	228.5
87.5°	23.2	28.1	10.3	13.7	9.5	8.2	8.2	8.9	6.1	7.6	6.8
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7
2.5°	636.9	636.2	636.2	634.8	634.8	634.1	634.1	633.5	632.7	632.7	632.1
5°	651.9	651.2	649.8	649.2	647.8	647.8	647.2	645.8	645.8	644.4	643.7
7.5°	673.2	671.7	670.4	669.7	669.0	666.9	666.9	665.6	665.6	664.2	663.5
10°	698.4	697.1	695.8	696.4	694.3	693.7	692.2	692.2	690.3	689.5	689.5
12.5°	725.8	725.1	725.1	723.1	722.4	721.7	719.0	719.0	719.0	717.6	718.2
15°	755.2	755.9	753.9	755.9	755.2	753.2	753.2	753.2	750.5	753.9	751.1
17.5°	794.9	796.9	795.5	796.3	794.9	794.9	795.5	794.9	796.3	796.3	800.3
20°	844.1	844.9	848.3	846.8	846.8	846.2	847.6	848.3	851.0	849.6	852.3
22.5°	898.1	901.6	902.3	905.0	905.0	904.4	905.7	908.4	909.8	911.9	911.2
25°	959.8	961.8	964.6	961.1	966.6	966.6	968.0	971.4	972.0	972.0	976.9
27.5°	1017.2	1022.7	1023.4	1026.8	1024.8	1026.1	1030.9	1033.0	1035.6	1035.6	1037.1
30°	1082.2	1084.2	1085.6	1089.7	1089.0	1089.7	1090.4	1093.8	1093.8	1097.2	1100.6
32.5°	1149.2	1150.6	1152.0	1156.1	1157.4	1160.2	1158.9	1161.6	1165.0	1165.7	1167.7
35°	1229.2	1230.7	1232.0	1238.1	1238.9	1243.6	1245.0	1243.6	1249.1	1245.7	1249.1
37.5°	1275.8	1282.0	1283.3	1287.5	1286.0	1289.4	1291.5	1294.3	1295.6	1298.3	1303.8
40°	1332.5	1334.6	1338.8	1340.8	1343.5	1344.2	1346.9	1349.0	1351.1	1357.2	1363.3
42.5°	1390.7	1393.5	1395.5	1398.2	1401.7	1404.4	1406.4	1412.6	1414.0	1418.0	1429.7
45°	1461.1	1459.8	1460.5	1461.1	1462.6	1466.0	1472.1	1478.2	1482.4	1491.9	1501.6
47.5°	1548.7	1539.8	1536.4	1531.0	1532.3	1539.8	1541.2	1551.5	1559.7	1568.6	1580.2
50°	1681.5	1657.5	1643.1	1628.8	1627.4	1631.5	1637.0	1647.9	1657.5	1669.1	1685.6
52.5°	1904.5	1858.7	1829.8	1790.3	1779.3	1777.2	1773.2	1779.3	1782.0	1797.7	1828.5
55°	2356.0	2271.1	2216.4	2154.8	2097.4	2080.2	2047.5	2054.3	2047.5	2057.0	2102.8
57.5°	3298.5	3230.9	3177.5	3098.9	3000.3	2895.6	2869.6	2762.3	2783.5	2845.1	2805.4
60°	4667.5	4642.8	4604.5	4566.8	4432.1	4356.2	4232.3	4218.7	4131.8	4132.4	4075.6
62.5°	5433.6	5465.1	5441.8	5430.9	5423.3	5399.4	5337.8	5263.9	5153.1	5073.1	4955.4
65°	5652.4	5625.8	5600.5	5597.1	5595.0	5634.0	5642.9	5590.9	5490.4	5365.8	5230.4
67.5°	5397.3	5382.3	5383.6	5354.9	5372.6	5440.4	5487.6	5473.3	5380.9	5230.4	5058.0
70°	4789.8	4760.4	4790.6	4828.2	4854.8	4893.9	4941.0	4952.6	4868.5	4713.9	4538.1
72.5°	3586.6	3591.4	3620.1	3630.4	3737.7	3726.8	3769.2	3631.1	3570.2	3423.1	3332.7
75°	1887.4	1856.6	1936.6	1766.9	1697.2	1745.7	1609.6	1479.0	1506.3	1528.9	1366.1
77.5°	666.9	623.8	550.7	521.2	433.7	367.4	300.3	270.9	255.1	246.9	236.7
80°	478.9	492.5	477.5	441.9	375.5	301.0	237.4	187.5	160.7	146.4	136.8
82.5°	484.4	538.3	562.3	552.0	491.8	372.1	245.6	156.7	116.3	97.1	90.3
85°	259.9	284.6	273.7	230.6	207.3	123.8	84.9	56.8	47.9	43.7	40.3
87.5°	10.3	8.2	6.8	6.8	7.6	8.2	6.8	7.6	6.8	6.8	6.8
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°	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7	628.7
2.5°	630.7	630.7	630.7	630.1	628.7	625.3	621.9	619.1	617.0	615.0	612.2
5°	643.0	641.7	641.7	641.7	636.2	630.7	625.9	621.1	617.0	613.6	610.9
7.5°	663.5	662.9	660.1	659.5	655.3	646.4	640.9	632.7	628.0	623.2	621.9
10°	688.2	687.5	686.8	686.1	680.6	671.7	664.9	657.4	650.6	643.7	636.9
12.5°	716.9	716.3	715.5	713.5	711.4	706.6	699.2	690.9	682.7	668.3	660.8
15°	752.4	753.9	752.4	751.8	750.5	751.1	746.3	734.7	721.7	703.2	687.5
17.5°	799.7	798.3	797.6	800.3	799.7	803.1	801.8	786.6	766.8	737.4	710.1
20°	851.7	851.7	854.4	856.5	862.6	871.5	867.4	848.9	812.6	771.6	736.1
22.5°	913.9	915.3	918.0	916.7	926.2	940.6	942.0	916.0	868.8	812.0	762.1
25°	978.9	980.3	977.5	981.7	997.4	1017.9	1022.0	985.1	922.8	848.9	783.9
27.5°	1040.5	1041.9	1041.9	1047.4	1062.4	1097.2	1101.3	1060.3	977.5	881.0	799.7
30°	1100.6	1106.1	1107.5	1108.9	1131.5	1180.0	1188.9	1129.4	1025.4	905.0	810.7
32.5°	1176.6	1178.7	1181.3	1184.8	1210.8	1270.4	1270.4	1188.9	1056.2	920.1	812.6
35°	1258.0	1258.7	1264.9	1265.5	1302.5	1362.0	1350.4	1238.1	1078.1	916.7	797.6
37.5°	1307.3	1309.9	1316.2	1324.4	1363.3	1447.5	1420.8	1280.6	1082.2	894.1	763.4
40°	1368.2	1373.6	1379.8	1388.0	1446.1	1534.4	1480.3	1307.3	1065.1	849.6	712.1
42.5°	1433.8	1441.3	1450.9	1466.0	1535.0	1611.0	1525.5	1311.4	1026.1	799.7	651.2
45°	1507.7	1521.3	1532.3	1550.1	1628.1	1677.3	1552.8	1287.5	976.9	734.0	586.2
47.5°	1593.2	1604.1	1623.3	1642.5	1720.4	1722.5	1555.5	1240.9	909.8	668.3	517.2
50°	1698.5	1705.4	1734.1	1745.7	1819.0	1769.7	1535.8	1177.9	839.4	594.5	440.5
52.5°	1838.8	1848.4	1885.3	1903.1	1955.0	1834.0	1507.7	1109.5	758.7	511.7	361.9
55°	2115.9	2157.5	2183.5	2214.3	2247.9	1979.7	1495.3	1036.4	667.7	416.0	286.6
57.5°	2893.6	2879.9	2937.4	3007.2	3006.5	2312.8	1569.2	973.5	560.2	318.1	220.3
60°	4052.4	4065.4	4036.1	4077.7	3945.1	2726.0	1670.5	907.0	439.2	236.7	168.3
62.5°	4913.7	4838.4	4796.7	4747.5	4455.3	2771.2	1596.6	771.0	319.5	166.2	129.3
65°	5117.5	5029.3	4939.7	4845.9	4405.4	2498.2	1309.9	565.7	206.6	114.2	102.6
67.5°	4916.4	4774.8	4660.6	4564.1	4036.7	2070.7	957.7	347.5	118.3	92.3	87.6
70°	4395.1	4238.5	4053.8	3945.7	3399.2	1526.1	613.6	187.5	91.0	82.1	80.0
72.5°	3217.2	3088.6	2886.7	2763.0	2440.7	927.6	342.7	105.4	84.9	78.7	76.0
75°	1253.3	1186.2	1102.1	1108.9	989.8	410.5	155.2	91.0	82.8	77.3	74.6
77.5°	215.4	210.1	194.3	194.3	220.9	149.8	103.3	91.7	82.1	76.0	71.2
80°	129.3	126.5	120.4	119.1	114.9	105.4	99.2	93.1	80.7	71.8	65.7
82.5°	84.9	81.5	79.4	78.7	85.5	92.3	93.1	92.3	76.6	62.3	53.4
85°	36.3	36.3	36.3	36.9	49.2	74.6	76.6	82.1	62.9	48.6	38.3
87.5°	6.1	7.6	7.6	8.2	8.9	16.4	20.5	26.6	21.2	20.5	18.4
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°	628.7	628.7	628.7
2.5°	611.6	610.2	610.2
5°	609.5	608.2	608.8
7.5°	617.7	615.0	615.6
10°	632.7	630.1	628.7
12.5°	651.9	648.5	648.5
15°	671.7	663.5	662.9
17.5°	688.2	677.9	676.6
20°	706.6	693.0	690.9
22.5°	723.7	705.3	702.6
25°	736.1	713.5	710.1
27.5°	741.6	714.8	712.1
30°	745.6	715.5	711.4
32.5°	741.6	709.4	706.0
35°	719.0	684.0	682.0
37.5°	680.0	640.9	638.2
40°	628.7	587.6	580.7
42.5°	563.0	524.7	517.2
45°	499.4	455.5	452.1
47.5°	431.0	389.2	391.3
50°	359.2	321.6	320.8
52.5°	290.8	257.9	255.9
55°	229.1	205.9	203.8
57.5°	181.2	169.0	166.9
60°	147.8	141.6	139.6
62.5°	119.1	117.0	116.3
65°	99.2	99.2	99.2
67.5°	86.2	86.8	86.8
70°	79.4	80.0	79.4
72.5°	76.6	78.7	78.7
75°	74.6	76.0	73.2
77.5°	73.2	73.9	69.1
80°	72.5	71.8	62.9
82.5°	62.9	60.9	53.4
85°	57.5	43.7	36.9
87.5°	29.4	20.5	15.8
90°	0.0	0.0	0.0

(END OF REPORT)