

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: P154784

Luminaire Tested: **AVS-F02-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154784
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-F02-LED-E-U-T2-7030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4620.3 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-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

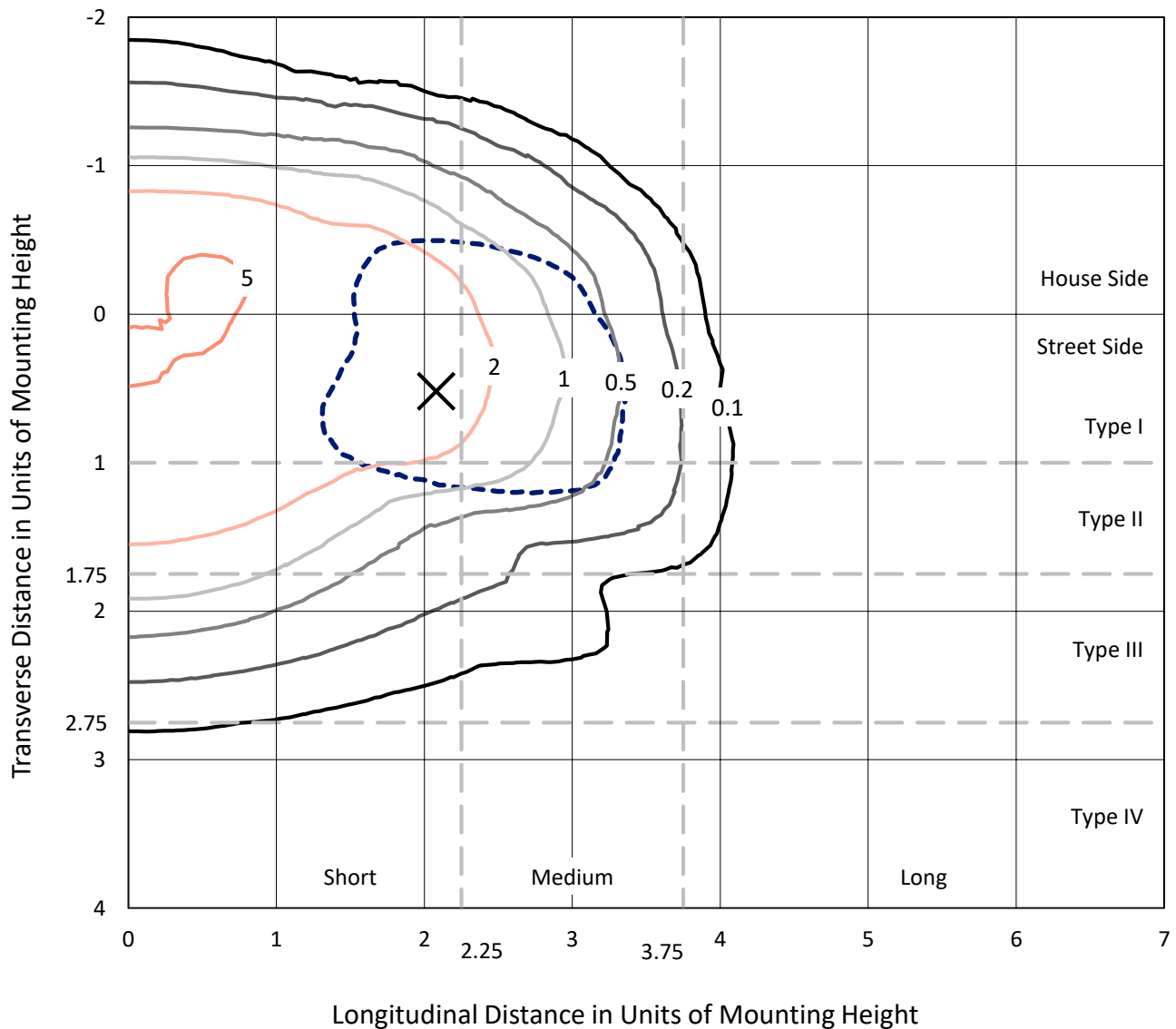


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

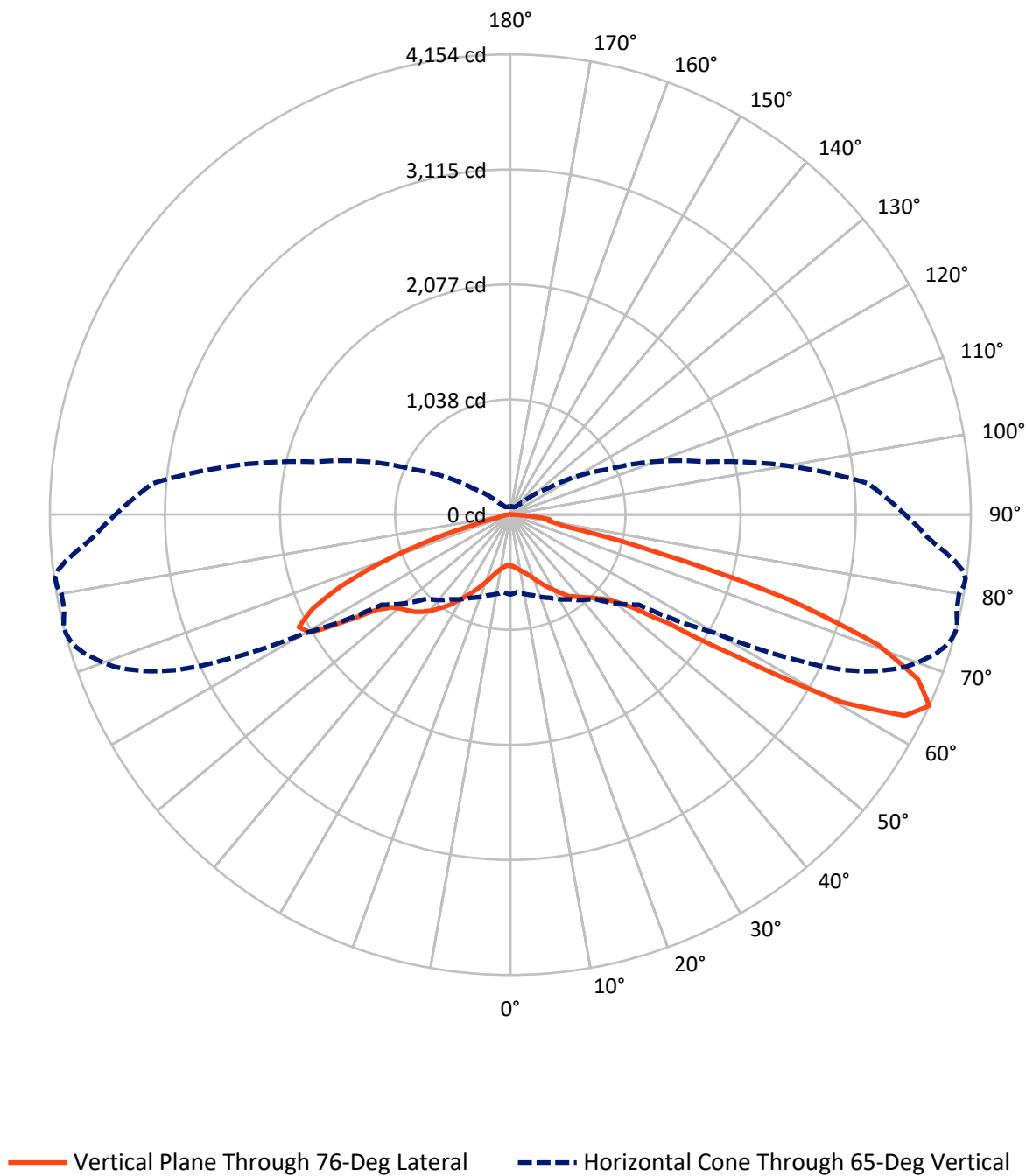


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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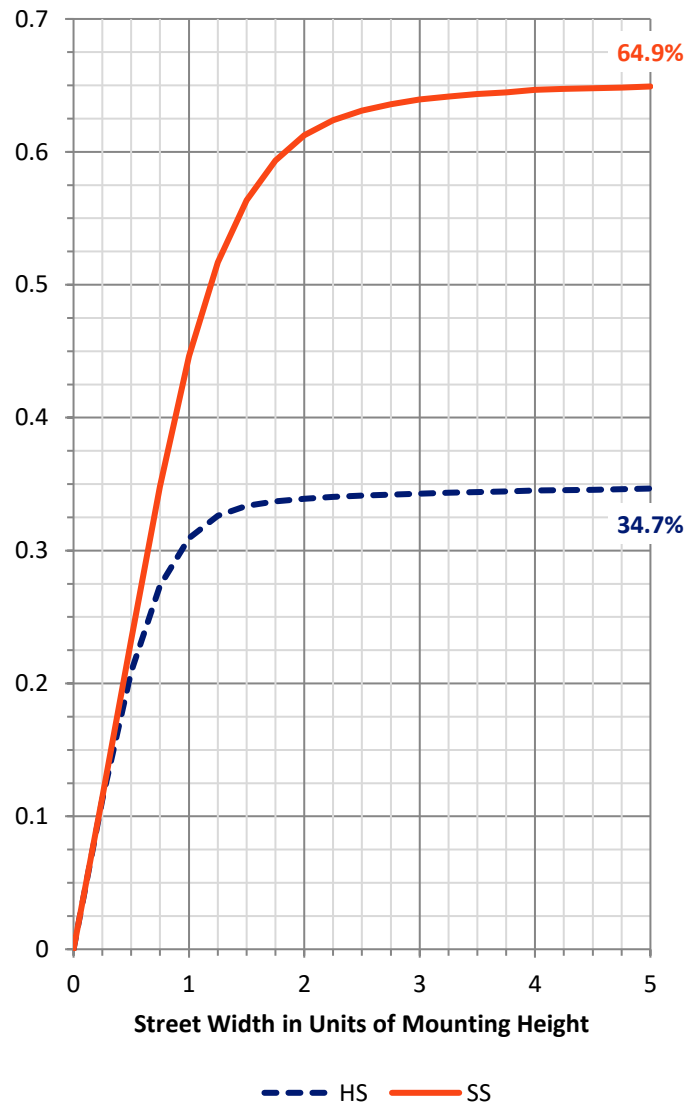
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1617.9	0.0	1617.9
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	3002.4	0.0	3002.4
	% Fixture	65.0	0.0	65.0
Total	Lumens	4620.3	0.0	4620.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.0
10°-20°	158.9	3.4
20°-30°	312.2	6.8
30°-40°	518.7	11.2
40°-50°	762.1	16.5
50°-60°	1055.2	22.8
60°-70°	1259.4	27.3
70°-80°	445.4	9.6
80°-90°	62.2	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°	4620.3	100.0
0°-180°	4620.3	100.0

Coefficient of Utilization



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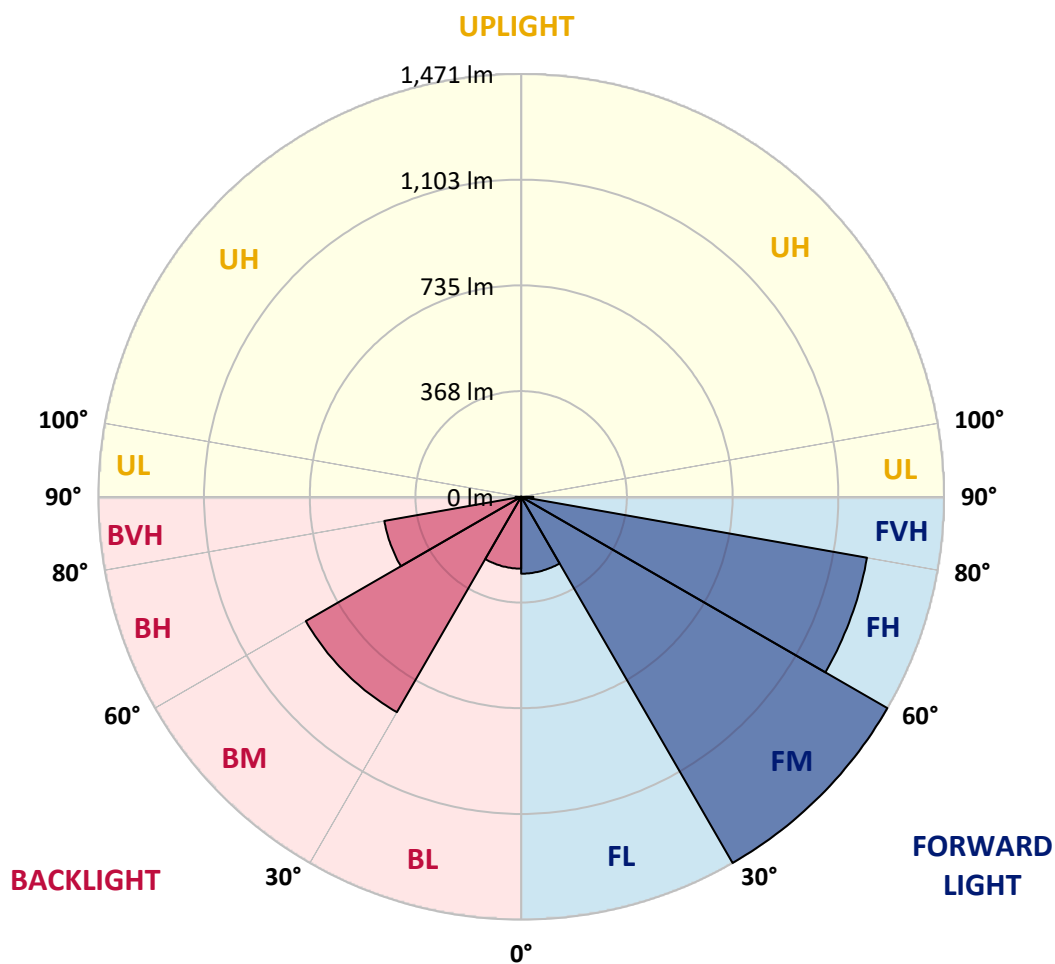
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.3	5.8			
FM	(30°-60°)	1470.9	31.8			
FH	(60°-80°)	1221.5	26.4			G1/1800
FVH	(80°-90°)	42.5	0.9			G1/100
BL	(0°-30°)	250.0	5.4	B1/500		
BM	(30°-60°)	865.0	18.7	B1/1000		
BH	(60°-80°)	483.3	10.5	B1/500		G1/500
BVH	(80°-90°)	19.7	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°	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0
2.5°	482.1	482.6	481.6	481.0	479.6	477.0	475.0	473.1	473.1	473.1	471.5
5°	503.2	504.1	502.2	500.6	496.2	493.6	490.1	487.6	486.5	486.1	484.6
7.5°	529.8	528.3	525.3	524.2	520.7	515.2	508.7	503.6	503.6	503.2	503.6
10°	556.5	552.4	550.9	549.4	543.8	536.9	529.3	523.7	523.3	522.8	521.2
12.5°	583.1	581.6	580.1	574.5	569.0	557.9	549.4	543.8	543.4	543.8	541.9
15°	618.2	614.7	613.3	603.7	591.6	579.6	569.0	563.9	562.5	563.0	561.5
17.5°	645.4	645.4	641.9	631.3	615.8	599.2	588.1	585.1	584.6	584.6	585.1
20°	667.0	666.5	663.0	654.5	635.9	619.3	613.8	612.7	612.2	612.2	613.8
22.5°	679.1	678.1	676.6	667.0	652.4	641.3	641.9	644.9	645.9	646.9	648.9
25°	685.1	683.6	683.1	676.6	666.0	664.6	673.6	681.7	683.6	685.6	688.2
27.5°	695.2	692.6	693.7	691.2	688.6	693.2	711.8	720.3	721.9	724.4	725.8
30°	722.8	721.9	725.8	726.8	728.9	735.4	752.4	760.5	764.0	764.0	771.1
32.5°	775.6	776.1	777.1	787.7	791.2	795.8	804.8	811.3	811.8	812.3	818.9
35°	846.5	849.5	858.0	867.0	875.6	875.1	869.6	873.2	870.6	873.7	874.1
37.5°	936.0	931.9	944.5	965.1	978.1	974.6	950.1	934.0	938.4	936.5	934.9
40°	1004.9	1009.3	1033.5	1060.6	1070.7	1081.8	1049.5	1021.9	1017.9	1010.4	1005.8
42.5°	1099.8	1100.3	1119.9	1140.0	1169.2	1193.4	1172.7	1133.0	1120.9	1111.9	1092.3
45°	1187.8	1186.3	1202.4	1227.0	1261.7	1296.4	1303.9	1260.7	1256.2	1240.1	1214.4
47.5°	1246.6	1244.6	1255.6	1287.8	1344.1	1400.9	1432.1	1419.1	1410.5	1403.9	1363.7
50°	1286.3	1282.3	1294.8	1329.0	1391.9	1479.4	1560.7	1571.8	1568.3	1568.3	1542.7
52.5°	1316.0	1316.0	1325.0	1352.6	1416.5	1525.6	1671.4	1727.2	1731.7	1736.7	1735.2
55°	1299.4	1301.9	1324.6	1364.8	1432.1	1557.7	1762.8	1885.0	1910.2	1931.2	1955.3
57.5°	1242.6	1251.1	1281.2	1347.2	1436.1	1581.9	1864.4	2106.1	2177.0	2238.3	2333.9
60°	1159.7	1170.7	1214.4	1298.3	1406.4	1542.7	1900.1	2293.2	2405.7	2539.5	2788.8
62.5°	1017.4	1028.5	1071.2	1155.1	1247.6	1392.3	1752.3	2320.8	2500.7	2690.3	3067.3
65°	720.8	703.2	752.4	827.9	934.0	1074.2	1416.0	2135.3	2394.2	2651.1	3116.5
67.5°	401.7	400.1	430.3	486.5	588.1	739.0	975.6	1637.7	1876.0	2166.9	2738.5
70°	277.0	280.0	299.1	359.9	443.8	574.0	695.2	1028.5	1199.9	1397.4	1959.4
72.5°	194.5	201.0	211.6	247.8	333.8	483.5	710.3	614.7	700.2	834.9	1178.2
75°	114.1	118.7	126.2	143.7	190.1	323.2	735.4	540.3	540.3	572.0	712.7
77.5°	70.4	70.4	74.9	82.0	101.0	158.3	523.7	607.3	590.2	572.0	573.6
80°	36.2	38.8	45.3	48.8	56.3	72.3	235.2	566.5	621.2	658.0	632.3
82.5°	16.6	18.5	27.7	29.6	32.6	38.2	80.9	322.2	431.8	568.5	710.3
85°	8.5	8.5	14.6	18.1	19.6	17.6	29.6	130.2	197.0	300.6	470.5
87.5°	1.6	1.6	2.5	3.0	4.6	4.0	5.1	7.6	12.5	13.6	14.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0
2.5°	471.0	471.5	471.0	470.5	469.5	469.5	469.5	469.0	469.0	469.0	468.5
5°	484.6	482.6	483.1	482.1	481.6	481.0	481.6	480.5	479.6	480.0	479.6
7.5°	501.7	500.6	498.7	498.7	498.1	497.1	497.1	495.6	495.1	494.1	493.6
10°	520.7	518.2	519.3	518.2	518.8	516.8	515.8	514.7	513.7	513.7	514.2
12.5°	540.3	539.9	538.3	537.3	537.3	535.9	536.4	535.9	534.3	533.8	532.3
15°	560.5	560.5	559.0	559.5	559.0	557.9	557.0	557.0	556.0	554.9	555.4
17.5°	584.1	584.1	584.1	584.1	584.6	583.1	583.6	582.6	581.6	583.6	583.6
20°	614.7	616.8	616.8	616.3	618.8	617.3	616.8	619.3	616.8	620.3	619.8
22.5°	649.9	651.9	651.9	654.0	654.5	656.0	657.0	656.0	658.0	660.0	660.0
25°	689.1	691.2	692.6	695.6	697.2	696.2	696.7	699.2	700.2	702.2	704.2
27.5°	730.4	730.9	732.8	736.4	739.0	739.9	740.4	744.5	745.0	745.9	748.0
30°	770.6	775.6	774.6	779.2	780.6	782.2	785.2	786.6	790.2	792.2	792.2
32.5°	817.8	816.8	820.8	824.4	826.8	829.4	831.9	833.9	836.0	836.9	842.0
35°	876.7	878.7	878.7	879.2	885.2	885.7	887.7	892.2	893.8	896.8	898.8
37.5°	934.9	931.4	930.9	930.9	928.9	930.5	930.9	931.4	933.5	934.0	936.0
40°	1000.3	995.8	991.7	989.2	985.2	979.7	978.7	976.2	977.7	977.2	977.7
42.5°	1089.7	1077.2	1067.7	1060.6	1052.5	1046.5	1042.0	1035.4	1031.0	1025.4	1024.5
45°	1203.8	1180.2	1164.1	1152.6	1141.0	1124.5	1114.9	1104.9	1095.9	1086.7	1079.2
47.5°	1353.7	1328.5	1302.9	1281.8	1263.7	1237.1	1209.9	1194.8	1177.2	1161.7	1150.6
50°	1530.2	1499.9	1487.9	1458.2	1435.6	1395.4	1361.8	1337.1	1301.9	1278.2	1257.6
52.5°	1710.6	1703.0	1696.5	1671.4	1644.7	1621.6	1591.9	1548.7	1513.1	1485.9	1443.6
55°	1956.4	1959.9	1957.4	1943.8	1934.2	1912.1	1900.1	1862.4	1846.3	1807.0	1762.8
57.5°	2370.1	2398.2	2433.9	2448.0	2467.0	2449.0	2470.1	2495.8	2431.9	2454.0	2414.3
60°	2898.3	3027.6	3104.5	3199.0	3260.7	3347.3	3362.8	3385.4	3378.9	3391.5	3417.1
62.5°	3221.0	3374.4	3521.7	3628.7	3743.3	3806.6	3883.1	3936.4	3991.6	4028.8	4018.2
65°	3316.1	3473.9	3607.6	3724.8	3827.3	3904.7	3975.5	4042.4	4093.2	4128.9	4149.9
67.5°	2967.3	3173.3	3314.1	3451.3	3583.5	3664.9	3724.2	3789.1	3863.4	3925.3	3937.3
70°	2232.8	2542.0	2741.6	2905.9	3061.2	3170.8	3253.8	3314.1	3371.8	3416.1	3464.4
72.5°	1396.4	1666.8	1895.0	2108.2	2273.1	2423.8	2493.7	2627.5	2609.8	2643.5	2679.7
75°	836.9	968.6	1094.3	1244.6	1331.1	1456.7	1479.4	1501.5	1489.8	1452.2	1480.3
77.5°	581.6	603.2	602.2	593.7	584.6	562.5	533.8	518.2	507.7	492.6	498.7
80°	585.1	538.3	466.9	392.5	324.2	279.0	260.9	260.9	279.5	306.1	332.7
82.5°	699.2	649.4	579.1	484.6	384.0	312.6	264.9	245.8	249.3	276.5	310.7
85°	471.5	482.6	423.2	387.0	306.6	238.8	200.1	162.4	143.7	148.3	167.9
87.5°	17.1	20.6	7.6	10.1	7.0	6.0	6.0	6.5	4.6	5.5	5.1
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0
2.5°	468.0	467.5	467.5	466.4	466.4	466.0	466.0	465.5	465.0	465.0	464.5
5°	479.1	478.5	477.5	477.0	476.1	476.1	475.5	474.5	474.5	473.5	473.1
7.5°	494.6	493.6	492.6	492.1	491.6	490.1	490.1	489.1	489.1	488.1	487.6
10°	513.3	512.2	511.2	511.7	510.2	509.7	508.7	508.7	507.2	506.6	506.6
12.5°	533.4	532.8	532.8	531.3	530.8	530.3	528.3	528.3	528.3	527.3	527.8
15°	554.9	555.4	553.9	555.4	554.9	553.5	553.5	553.5	551.4	553.9	551.9
17.5°	584.1	585.6	584.6	585.1	584.1	584.1	584.6	584.1	585.1	585.1	588.1
20°	620.3	620.8	623.3	622.3	622.3	621.8	622.8	623.3	625.3	624.4	626.3
22.5°	660.0	662.5	663.0	665.0	665.0	664.6	665.5	667.6	668.5	670.1	669.5
25°	705.3	706.7	708.7	706.2	710.3	710.3	711.3	713.8	714.3	714.3	717.8
27.5°	747.5	751.5	752.0	754.5	753.0	754.0	757.5	759.1	761.0	761.0	762.1
30°	795.2	796.7	797.7	800.7	800.2	800.7	801.2	803.7	803.7	806.3	808.8
32.5°	844.5	845.5	846.5	849.5	850.5	852.5	851.5	853.5	856.1	856.6	858.0
35°	903.3	904.2	905.3	909.8	910.4	913.9	914.8	913.9	917.8	915.3	917.8
37.5°	937.5	942.0	943.0	946.0	945.0	947.6	949.0	951.1	952.0	954.1	958.0
40°	979.2	980.7	983.7	985.2	987.3	987.8	989.7	991.3	992.7	997.3	1001.8
42.5°	1021.9	1023.9	1025.4	1027.5	1029.9	1031.9	1033.5	1038.0	1039.0	1042.0	1050.6
45°	1073.7	1072.6	1073.2	1073.7	1074.7	1077.2	1081.8	1086.2	1089.2	1096.3	1103.3
47.5°	1138.0	1131.5	1129.0	1125.0	1126.0	1131.5	1132.5	1140.0	1146.1	1152.6	1161.1
50°	1235.5	1217.9	1207.4	1196.8	1195.9	1198.9	1202.9	1210.9	1217.9	1226.5	1238.5
52.5°	1399.4	1365.7	1344.7	1315.4	1307.5	1305.9	1302.9	1307.5	1309.4	1321.0	1343.6
55°	1731.2	1668.8	1628.6	1583.4	1541.1	1528.6	1504.5	1509.5	1504.5	1511.5	1545.2
57.5°	2423.8	2374.1	2334.8	2277.1	2204.7	2127.8	2108.7	2029.7	2045.3	2090.6	2061.5
60°	3429.6	3411.6	3383.4	3355.8	3256.8	3200.9	3109.9	3099.9	3036.1	3036.6	2994.8
62.5°	3992.6	4015.8	3998.7	3990.7	3985.1	3967.6	3922.3	3868.0	3786.5	3727.8	3641.2
65°	4153.5	4133.9	4115.3	4112.7	4111.3	4139.9	4146.4	4108.3	4034.4	3942.9	3843.3
67.5°	3966.0	3954.9	3956.0	3934.8	3947.9	3997.7	4032.3	4021.8	3954.0	3843.3	3716.7
70°	3519.7	3498.0	3520.1	3547.8	3567.4	3596.1	3630.8	3639.3	3577.4	3463.8	3334.6
72.5°	2635.4	2639.0	2660.1	2667.7	2746.5	2738.5	2769.6	2668.1	2623.4	2515.3	2449.0
75°	1386.8	1364.2	1423.0	1298.3	1247.2	1282.8	1182.8	1086.7	1106.8	1123.4	1003.8
77.5°	490.1	458.4	404.7	383.0	318.7	269.9	220.6	199.1	187.5	181.5	173.9
80°	351.8	361.9	350.9	324.8	276.0	221.1	174.4	137.7	118.1	107.6	100.5
82.5°	355.9	395.5	413.2	405.7	361.5	273.5	180.4	115.1	85.5	71.4	66.3
85°	191.0	209.1	201.0	169.4	152.3	91.0	62.3	41.8	35.2	32.1	29.6
87.5°	7.6	6.0	5.1	5.1	5.5	6.0	5.1	5.5	5.1	5.1	5.1
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0
2.5°	463.4	463.4	463.4	462.9	462.0	459.5	456.9	454.9	453.4	451.9	449.8
5°	472.5	471.5	471.5	471.5	467.5	463.4	459.9	456.4	453.4	450.9	448.9
7.5°	487.6	487.0	485.1	484.6	481.6	475.0	471.0	465.0	461.5	457.9	456.9
10°	505.7	505.2	504.7	504.1	500.1	493.6	488.6	483.1	478.0	473.1	468.0
12.5°	526.8	526.3	525.8	524.2	522.8	519.3	513.7	507.7	501.7	491.1	485.6
15°	553.0	553.9	553.0	552.4	551.4	551.9	548.4	539.9	530.3	516.8	505.2
17.5°	587.6	586.6	586.1	588.1	587.6	590.2	589.1	578.0	563.5	541.9	521.8
20°	625.8	625.8	627.9	629.3	633.9	640.4	637.4	623.8	597.2	567.0	540.8
22.5°	671.6	672.5	674.6	673.6	680.6	691.2	692.1	673.1	638.3	596.7	560.0
25°	719.3	720.3	718.3	721.3	732.8	748.0	751.0	723.8	678.1	623.8	576.1
27.5°	764.6	765.6	765.6	769.5	780.6	806.3	809.3	779.2	718.3	647.5	587.6
30°	808.8	812.8	813.8	814.8	831.4	867.0	873.7	829.8	753.5	665.0	595.6
32.5°	864.6	866.1	868.1	870.6	889.7	933.5	933.5	873.7	776.1	676.1	597.2
35°	924.4	924.9	929.4	929.9	957.1	1000.8	992.2	909.8	792.2	673.6	586.1
37.5°	960.6	962.6	967.2	973.2	1001.8	1063.6	1044.0	940.9	795.2	657.0	560.9
40°	1005.3	1009.3	1013.9	1019.9	1062.6	1127.5	1087.8	960.6	782.7	624.4	523.3
42.5°	1053.6	1059.1	1066.1	1077.2	1128.0	1183.7	1120.9	963.6	754.0	587.6	478.5
45°	1107.9	1117.9	1126.0	1139.1	1196.4	1232.5	1141.0	946.0	717.8	539.4	430.8
47.5°	1170.7	1178.8	1192.8	1206.9	1264.1	1265.7	1143.0	911.8	668.5	491.1	380.0
50°	1248.1	1253.2	1274.3	1282.8	1336.6	1300.4	1128.5	865.6	616.8	436.8	323.7
52.5°	1351.2	1358.2	1385.4	1398.4	1436.6	1347.7	1107.9	815.3	557.4	376.0	265.9
55°	1554.7	1585.4	1604.5	1627.2	1651.7	1454.7	1098.9	761.6	490.6	305.6	210.6
57.5°	2126.2	2116.2	2158.4	2209.7	2209.2	1699.5	1153.1	715.3	411.7	233.8	161.9
60°	2977.7	2987.4	2965.7	2996.4	2898.9	2003.1	1227.5	666.5	322.7	173.9	123.6
62.5°	3610.7	3555.3	3524.7	3488.5	3273.9	2036.3	1173.3	566.5	234.7	122.2	95.0
65°	3760.4	3695.5	3629.7	3560.8	3237.1	1835.8	962.6	415.8	151.8	83.9	75.4
67.5°	3612.6	3508.6	3424.7	3353.8	2966.2	1521.6	703.7	255.3	86.9	67.9	64.4
70°	3229.6	3114.5	2978.8	2899.4	2497.7	1121.5	450.9	137.7	66.8	60.3	58.9
72.5°	2364.0	2269.5	2121.2	2030.3	1793.5	681.7	251.8	77.4	62.3	57.8	55.8
75°	920.8	871.6	809.7	814.8	727.4	301.6	114.1	66.8	60.8	56.8	54.8
77.5°	158.3	154.3	142.8	142.8	162.4	110.1	75.9	67.4	60.3	55.8	52.2
80°	95.0	93.0	88.5	87.5	84.5	77.4	72.8	68.4	59.3	52.7	48.3
82.5°	62.3	59.8	58.3	57.8	62.8	67.9	68.4	67.9	56.3	45.7	39.2
85°	26.6	26.6	26.6	27.2	36.2	54.8	56.3	60.3	46.2	35.6	28.2
87.5°	4.6	5.5	5.5	6.0	6.5	12.0	15.1	19.6	15.5	15.1	13.6
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):

	165°	175°	180°
0°	462.0	462.0	462.0
2.5°	449.4	448.4	448.4
5°	447.9	446.8	447.4
7.5°	453.9	451.9	452.4
10°	465.0	462.9	462.0
12.5°	479.1	476.5	476.5
15°	493.6	487.6	487.0
17.5°	505.7	498.1	497.1
20°	519.3	509.2	507.7
22.5°	531.8	518.2	516.3
25°	540.8	524.2	521.8
27.5°	544.9	525.3	523.3
30°	547.9	525.8	522.8
32.5°	544.9	521.2	518.8
35°	528.3	502.7	501.1
37.5°	499.7	471.0	469.0
40°	462.0	431.8	426.7
42.5°	413.7	385.5	380.0
45°	366.9	334.8	332.2
47.5°	316.7	286.0	287.6
50°	263.9	236.3	235.8
52.5°	213.7	189.5	188.0
55°	168.4	151.3	149.8
57.5°	133.2	124.1	122.7
60°	108.6	104.0	102.6
62.5°	87.5	85.9	85.5
65°	72.8	72.8	72.8
67.5°	63.3	63.8	63.8
70°	58.3	58.9	58.3
72.5°	56.3	57.8	57.8
75°	54.8	55.8	53.8
77.5°	53.8	54.3	50.8
80°	53.3	52.7	46.2
82.5°	46.2	44.8	39.2
85°	42.2	32.1	27.2
87.5°	21.7	15.1	11.6
90°	0.0	0.0	0.0

(END OF REPORT)