

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: P154233

Luminaire Tested: **AVM-F05-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154233
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F05-LED-E-U-T2-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5578.4 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

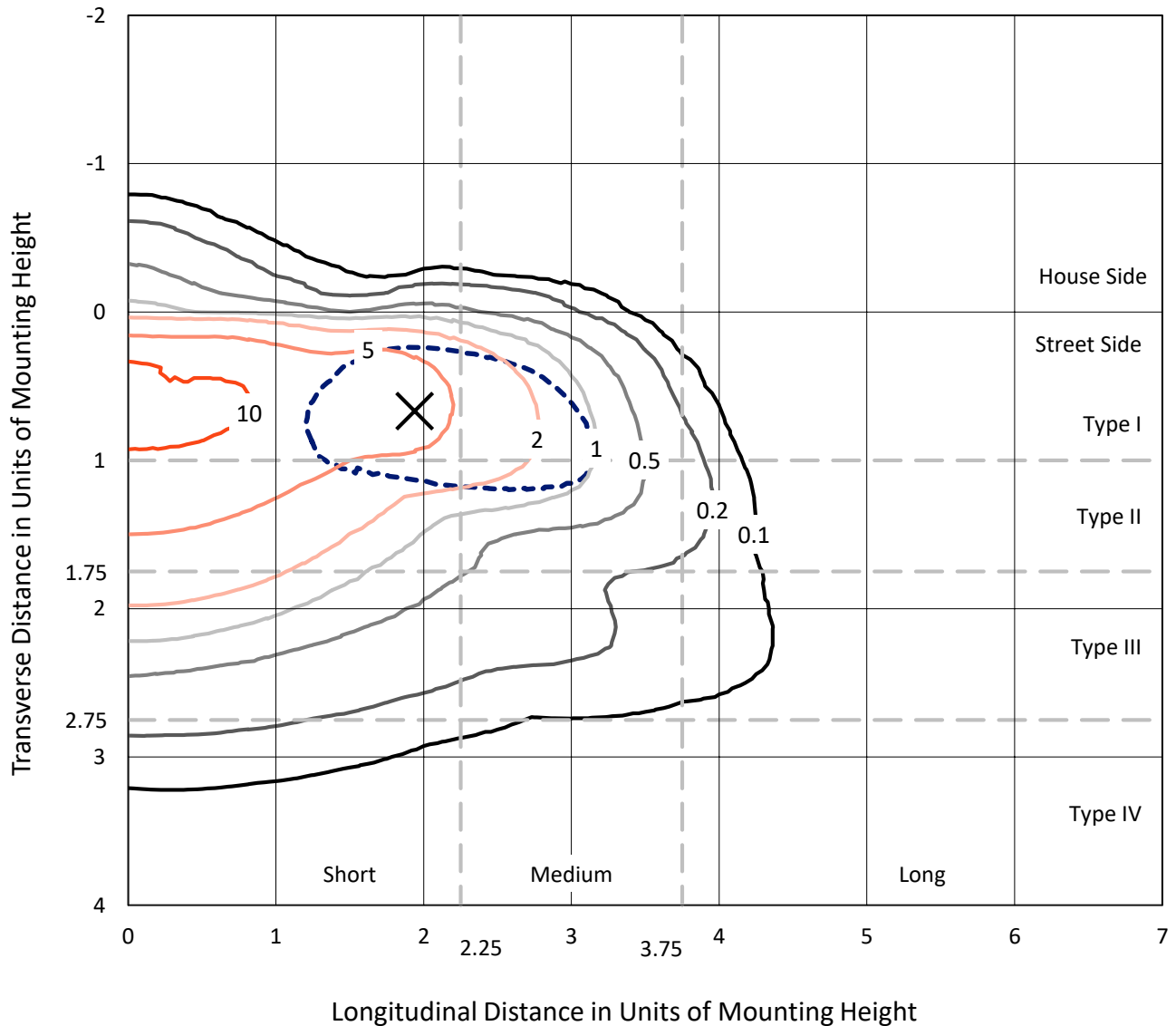
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

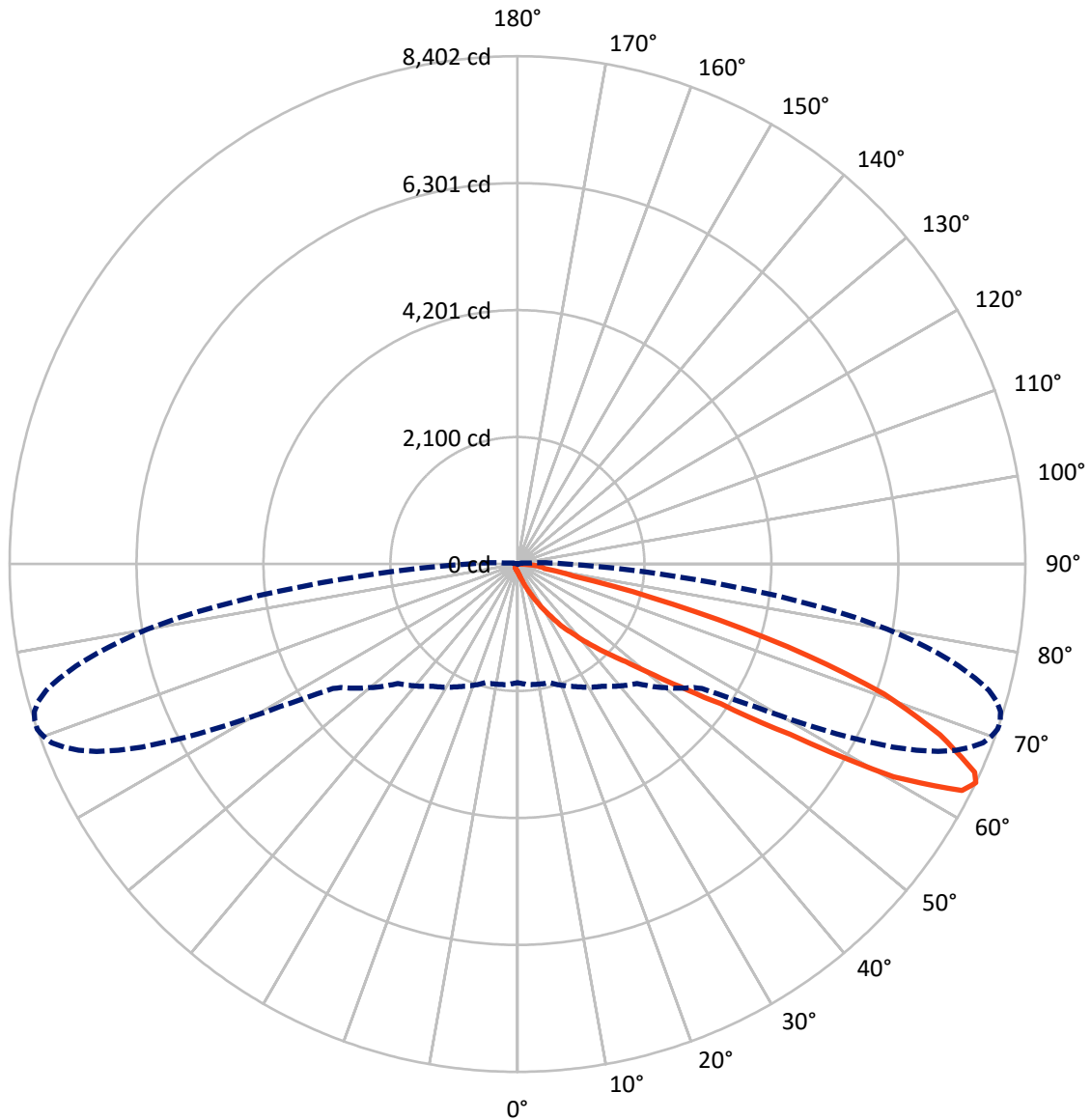
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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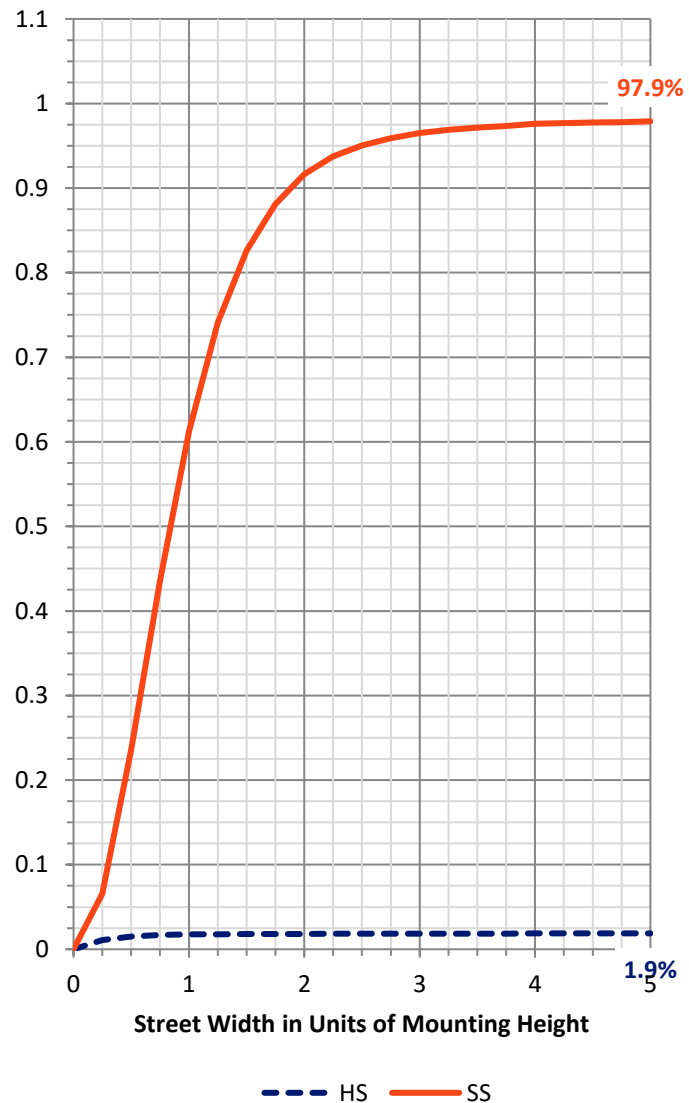
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	106.8	0.0	106.8
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	5471.6	0.0	5471.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	5578.4	0.0	5578.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.3
10°-20°	100.9	1.8
20°-30°	257.6	4.6
30°-40°	521.1	9.3
40°-50°	952.5	17.1
50°-60°	1484.0	26.6
60°-70°	1649.5	29.6
70°-80°	537.9	9.6
80°-90°	57.9	1.0
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°	5578.4	100.0
0°-180°	5578.4	100.0

Coefficient of Utilization



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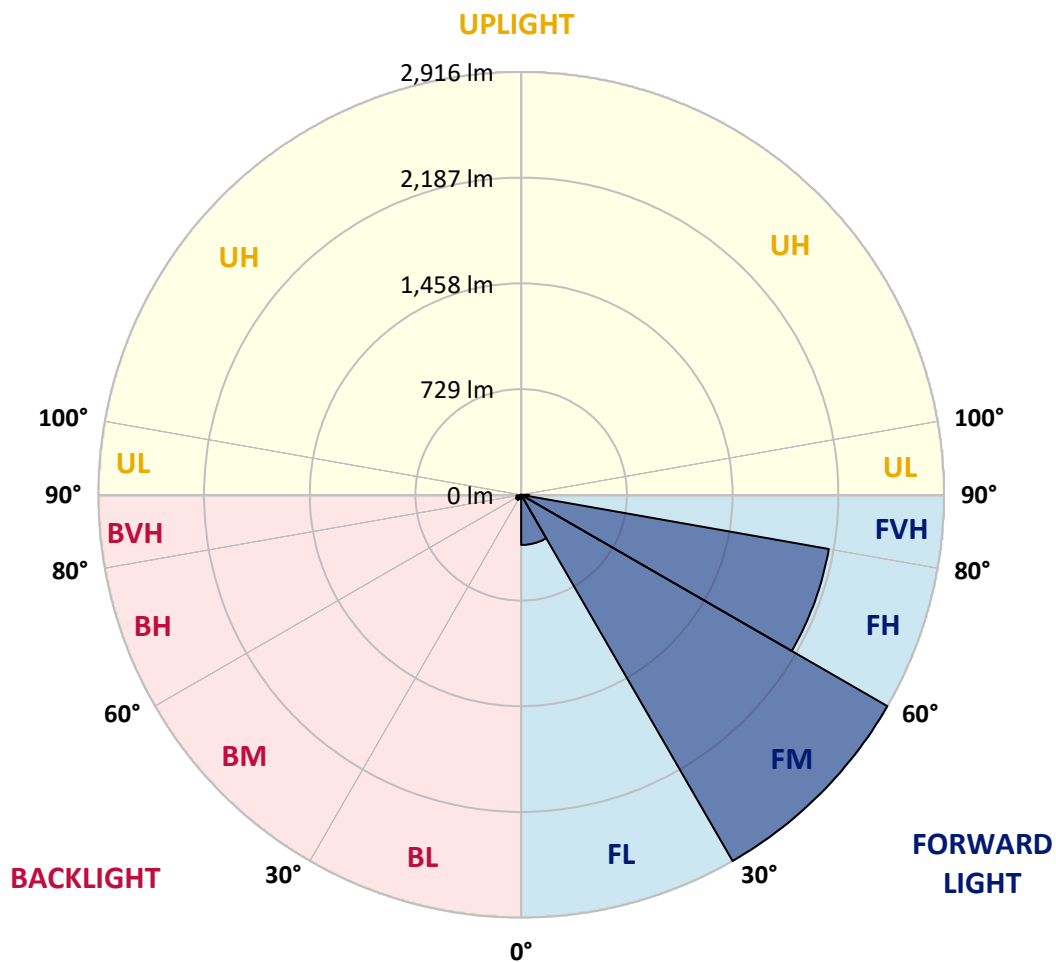
CATALOG NUMBER: AVM-F05-LED-E-U-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.8	6.2			
FM (30°-60°)	2916.3	52.3			
FH (60°-80°)	2154.4	38.6			G2/5000
FVH (80°-90°)	55.1	1.0			G1/100
BL (0°-30°)	29.7	0.5	B0/110		
BM (30°-60°)	41.3	0.7	B0/220		
BH (60°-80°)	33.0	0.6	B0/110		G0/110
BVH (80°-90°)	2.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	167.2	164.9	164.9	161.4	156.8	152.1	147.5	146.3	145.2	144.0	144.0
5°	262.4	253.1	249.7	236.9	220.6	200.9	183.5	178.8	178.8	175.3	173.0
7.5°	412.2	407.6	383.2	370.4	332.1	284.5	234.6	229.9	228.8	224.1	217.1
10°	603.8	594.5	577.1	540.0	470.3	387.8	317.0	305.4	297.3	288.0	278.7
12.5°	795.4	783.8	758.3	697.9	628.2	522.6	408.8	398.3	385.5	372.8	357.7
15°	987.0	978.9	939.4	879.0	788.5	661.9	517.9	499.3	488.9	463.3	451.7
17.5°	1153.1	1142.6	1111.3	1042.8	948.7	809.4	638.7	615.4	598.0	582.9	555.1
20°	1297.1	1286.6	1256.4	1199.5	1093.9	956.9	768.7	757.1	725.8	702.5	686.3
22.5°	1385.3	1381.9	1362.1	1307.5	1213.5	1091.6	917.4	898.8	877.9	846.5	828.0
25°	1439.9	1436.4	1424.8	1386.5	1322.6	1233.2	1081.1	1057.9	1039.3	1011.4	988.2
27.5°	1496.8	1494.5	1485.2	1451.5	1417.9	1362.1	1247.2	1234.4	1193.7	1177.5	1155.4
30°	1590.9	1580.4	1588.6	1572.3	1529.3	1494.5	1414.4	1395.8	1378.4	1350.5	1330.8
32.5°	1740.7	1723.3	1740.7	1723.3	1704.7	1662.9	1586.2	1580.4	1563.0	1545.6	1517.7
35°	1924.2	1917.2	1931.1	1946.2	1931.1	1875.4	1782.5	1765.1	1758.1	1730.2	1719.8
37.5°	2108.8	2121.6	2147.1	2180.8	2171.5	2130.8	1999.6	1983.4	1970.6	1946.2	1927.6
40°	2307.4	2308.5	2363.1	2411.9	2436.3	2411.9	2238.8	2226.1	2208.7	2173.8	2169.2
42.5°	2523.3	2514.1	2554.7	2609.3	2659.2	2692.9	2554.7	2530.3	2505.9	2466.4	2439.7
45°	2714.9	2714.9	2747.5	2798.6	2875.2	2960.0	2888.0	2862.4	2839.2	2806.7	2776.5
47.5°	2856.6	2857.8	2877.5	2951.8	3071.4	3198.0	3200.3	3205.0	3187.6	3149.2	3150.4
50°	2956.5	2943.7	2970.4	3042.4	3180.6	3379.2	3522.0	3530.1	3544.1	3512.7	3522.0
52.5°	3029.6	3023.8	3041.3	3101.6	3239.8	3482.5	3785.6	3820.4	3841.3	3846.0	3884.3
55°	2991.3	2994.8	3036.6	3123.7	3272.3	3551.0	4009.7	4066.6	4115.4	4157.2	4204.8
57.5°	2864.7	2875.2	2948.4	3084.2	3279.3	3606.8	4247.8	4334.9	4426.6	4538.1	4632.1
60°	2662.7	2687.1	2785.8	2976.2	3212.0	3533.6	4318.6	4452.1	4592.6	4762.2	4951.5
62.5°	2366.6	2371.2	2436.3	2620.9	2881.0	3144.6	3993.5	4164.2	4350.0	4595.0	4859.7
64°	1961.3	2003.1	2033.3	2236.5	2468.8	2797.4	3563.8	3682.2	3941.2	4242.0	4575.2
65°	1618.7	1668.7	1693.1	1896.3	2162.2	2475.7	3189.9	3316.5	3589.3	3894.8	4310.5
67.5°	954.5	920.9	991.7	1111.3	1334.2	1705.8	2151.8	2248.1	2451.3	2814.8	3146.9
70°	615.4	615.4	680.5	802.4	1009.1	1293.6	1478.2	1437.6	1480.6	1621.1	1855.6
72.5°	394.8	415.7	455.2	558.5	750.2	1084.6	1510.8	1319.2	1219.3	1172.8	1170.5
75°	180.0	191.6	234.6	296.1	400.6	707.2	1523.5	1439.9	1348.2	1259.9	1191.4
77.5°	38.3	44.1	74.3	153.3	195.1	326.3	1081.1	1206.5	1306.4	1335.4	1335.4
80°	19.7	20.9	31.4	72.0	83.6	110.3	416.9	548.1	675.8	844.2	1020.7
82.5°	8.1	9.3	18.6	32.5	34.8	33.7	110.3	139.3	191.6	278.7	415.7
85°	2.3	2.3	8.1	12.8	18.6	15.1	24.4	27.9	36.0	52.3	99.9
87.5°	0.0	0.0	1.2	2.3	3.5	5.8	7.0	7.0	7.0	7.0	7.0
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	142.8	142.8	141.7	140.5	140.5	138.2	138.2	137.0	137.0	135.9	135.9
5°	171.9	169.5	167.2	163.7	162.6	160.2	157.9	155.6	153.3	152.1	149.8
7.5°	213.7	211.3	204.4	199.7	193.9	190.4	185.8	182.3	178.8	176.5	171.9
10°	269.4	261.3	257.8	241.5	238.1	229.9	223.0	218.3	209.0	203.2	197.4
12.5°	348.4	333.3	327.5	299.6	291.5	279.9	271.7	260.1	249.7	242.7	232.2
15°	437.8	426.2	404.1	376.2	361.1	348.4	328.6	319.3	305.4	290.3	275.2
17.5°	544.6	523.7	499.3	463.3	444.7	425.0	406.4	386.7	363.5	349.5	333.3
20°	668.9	646.8	616.6	571.3	549.3	529.5	497.0	483.1	455.2	427.3	406.4
22.5°	804.7	782.7	753.6	702.5	673.5	641.0	614.3	589.9	557.4	529.5	505.1
25°	958.0	932.5	910.4	851.2	815.2	781.5	752.5	709.5	681.6	649.1	615.4
27.5°	1132.2	1102.0	1073.0	1007.9	974.3	937.1	902.3	857.0	830.3	776.9	745.5
30°	1311.0	1273.9	1243.7	1177.5	1147.3	1109.0	1061.4	1020.7	975.4	939.4	888.3
32.5°	1499.1	1469.0	1444.6	1374.9	1336.6	1289.0	1246.0	1203.0	1163.5	1105.5	1059.0
35°	1700.0	1673.3	1646.6	1586.2	1552.6	1516.6	1467.8	1415.5	1361.0	1300.6	1258.8
37.5°	1911.4	1890.5	1869.6	1796.4	1756.9	1718.6	1662.9	1610.6	1561.8	1498.0	1427.1
40°	2133.2	2113.4	2079.8	2019.4	1977.6	1942.7	1891.6	1842.9	1776.7	1705.8	1643.1
42.5°	2411.9	2368.9	2339.9	2273.7	2229.6	2191.2	2145.9	2072.8	2017.0	1932.3	1871.9
45°	2738.2	2697.5	2649.9	2582.6	2528.0	2465.3	2401.4	2351.5	2281.8	2205.2	2127.4
47.5°	3105.1	3072.6	3016.9	2950.7	2896.1	2833.4	2757.9	2694.0	2609.3	2519.9	2414.2
50°	3509.2	3475.5	3438.4	3364.1	3309.5	3250.3	3191.0	3115.6	3038.9	2932.1	2822.9
52.5°	3884.3	3891.3	3869.2	3834.4	3807.7	3746.1	3691.5	3619.5	3552.2	3454.6	3369.9
55°	4254.7	4315.1	4338.3	4372.0	4383.6	4333.7	4332.5	4226.9	4186.2	4129.3	4080.5
57.5°	4743.6	4877.1	4982.8	5187.2	5273.1	5360.2	5376.5	5302.2	5378.8	5280.1	5313.8
60°	5159.3	5404.3	5666.8	6195.1	6459.9	6659.6	6819.9	6938.3	7015.0	7145.0	7152.0
62.5°	5196.5	5582.0	5981.5	6752.5	7114.8	7417.9	7707.1	7909.1	8069.4	8216.8	8252.8
64°	5018.8	5496.1	5981.5	6913.9	7284.4	7621.1	7884.7	8085.6	8249.3	8341.1	8401.5
65°	4696.0	5230.2	5788.7	6807.1	7189.1	7546.8	7798.8	8000.8	8155.3	8247.0	8309.7
67.5°	3479.0	3995.8	4556.7	5742.3	6343.8	6671.2	6994.1	7277.4	7401.7	7517.8	7539.8
70°	2120.4	2495.5	2882.2	3981.8	4540.4	5129.1	5492.6	5907.2	6197.5	6376.3	6435.5
72.5°	1279.7	1409.7	1640.8	2231.9	2767.2	3180.6	3683.4	4079.4	4404.5	4584.5	4675.1
75°	1139.2	1122.9	1153.1	1399.3	1589.7	1838.2	2020.5	2269.0	2469.9	2532.6	2649.9
77.5°	1316.8	1270.4	1222.8	1176.3	1167.0	1143.8	1106.6	1115.9	1027.7	942.9	945.2
80°	1172.8	1284.3	1350.5	1301.7	1191.4	1079.9	942.9	772.2	603.8	499.3	455.2
82.5°	588.7	837.2	1076.5	1313.3	1297.1	1198.4	1047.4	860.5	666.5	512.1	408.8
85°	181.2	321.7	452.9	629.4	730.4	716.5	629.4	612.0	436.6	340.2	262.4
87.5°	8.1	8.1	8.1	7.0	8.1	8.1	8.1	9.3	9.3	10.5	10.5
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	135.9	134.7	133.5	132.4	132.4	132.4	131.2	131.2	130.1	130.1	128.9
5°	149.8	147.5	146.3	144.0	144.0	141.7	140.5	139.3	137.0	135.9	134.7
7.5°	168.4	166.1	162.6	159.1	157.9	154.4	151.0	148.6	146.3	144.0	141.7
10°	192.8	188.1	181.2	176.5	173.0	168.4	163.7	160.2	155.6	151.0	148.6
12.5°	224.1	214.8	207.9	199.7	192.8	185.8	177.7	173.0	168.4	161.4	156.8
15°	260.1	250.8	242.7	228.8	217.1	207.9	200.9	190.4	182.3	173.0	166.1
17.5°	321.7	297.3	281.0	267.1	255.5	238.1	224.1	212.5	202.1	190.4	182.3
20°	382.0	361.1	339.1	322.8	297.3	282.2	263.6	247.3	228.8	214.8	200.9
22.5°	470.3	443.6	415.7	391.3	356.5	335.6	311.2	290.3	267.1	243.9	228.8
25°	581.8	542.3	505.1	470.3	437.8	406.4	375.1	341.4	317.0	289.1	263.6
27.5°	699.1	654.9	618.9	573.6	531.8	493.5	454.0	418.0	376.2	340.2	310.0
30°	846.5	786.1	744.3	689.8	648.0	594.5	545.8	498.2	447.1	405.3	362.3
32.5°	996.3	955.7	884.9	838.4	775.7	711.8	660.7	606.2	543.5	488.9	436.6
35°	1193.7	1124.1	1064.8	999.8	931.3	865.1	798.9	721.1	657.3	589.9	526.0
37.5°	1367.9	1297.1	1228.6	1143.8	1066.0	996.3	916.2	834.9	759.4	679.3	602.7
40°	1570.0	1481.7	1400.4	1321.5	1225.1	1142.6	1059.0	958.0	870.9	782.7	692.1
42.5°	1790.6	1701.2	1604.8	1514.2	1408.6	1307.5	1204.2	1103.2	1005.6	898.8	793.1
45°	2032.1	1938.1	1830.1	1726.7	1611.8	1500.3	1377.2	1261.1	1146.1	1026.5	904.6
47.5°	2331.7	2211.0	2111.1	1982.2	1839.4	1722.1	1571.1	1438.8	1307.5	1168.2	1031.2
50°	2719.6	2582.6	2438.6	2295.7	2137.8	1989.2	1822.0	1665.2	1489.9	1334.2	1177.5
52.5°	3234.0	3131.8	2964.6	2800.9	2608.1	2418.8	2188.9	1985.7	1760.4	1561.8	1370.2
55°	3964.4	3897.1	3751.9	3573.1	3404.7	3128.3	2863.6	2547.7	2255.1	1969.4	1700.0
57.5°	5287.1	5213.9	5052.5	5009.5	4750.6	4547.4	4237.3	3828.6	3332.7	2896.1	2460.6
60°	7191.5	7048.6	6890.7	6861.7	6557.4	6343.8	6036.1	5600.6	5133.8	4437.0	3843.7
62.5°	8255.2	8212.2	8084.5	7927.7	7664.1	7347.1	7001.0	6579.5	6105.7	5494.9	4788.9
64°	8398.0	8358.5	8248.2	8071.7	7806.9	7492.2	7109.0	6688.7	6213.7	5656.3	5011.9
65°	8308.6	8252.8	8158.8	7996.2	7750.0	7448.1	7062.6	6636.4	6154.5	5618.0	5018.8
67.5°	7587.5	7561.9	7476.0	7325.0	7170.6	6898.8	6559.8	6178.9	5785.2	5253.4	4762.2
70°	6442.5	6423.9	6314.7	6254.4	5998.9	5827.0	5553.0	5253.4	4905.0	4534.6	4116.5
72.5°	4776.1	4713.4	4625.2	4533.4	4360.4	4124.7	3911.0	3591.7	3411.7	3099.3	2863.6
75°	2532.6	2493.2	2356.1	2164.5	1950.9	1840.5	1618.7	1420.2	1262.3	1191.4	1020.7
77.5°	875.6	797.8	721.1	635.2	504.0	397.1	317.0	253.1	199.7	176.5	147.5
80°	436.6	414.6	390.2	341.4	286.8	231.1	181.2	142.8	117.3	99.9	89.4
82.5°	354.2	313.5	279.9	245.0	196.2	161.4	127.7	104.5	85.9	75.5	66.2
85°	209.0	160.2	121.9	110.3	85.9	74.3	63.9	54.6	46.4	44.1	40.6
87.5°	8.1	10.5	10.5	8.1	10.5	9.3	9.3	8.1	8.1	8.1	8.1
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	128.9	127.7	127.7	126.6	125.4	125.4	125.4	124.3	121.9	117.3	113.8
5°	133.5	132.4	131.2	128.9	127.7	126.6	125.4	125.4	119.6	111.5	105.7
7.5°	139.3	137.0	134.7	132.4	131.2	128.9	126.6	125.4	117.3	106.8	101.0
10°	145.2	141.7	138.2	137.0	133.5	131.2	127.7	125.4	116.1	103.3	95.2
12.5°	152.1	147.5	142.8	139.3	134.7	132.4	128.9	125.4	113.8	99.9	90.6
15°	160.2	153.3	147.5	144.0	139.3	133.5	128.9	125.4	111.5	96.4	85.9
17.5°	170.7	162.6	155.6	148.6	141.7	135.9	131.2	126.6	108.0	91.7	80.1
20°	187.0	176.5	164.9	156.8	147.5	140.5	132.4	126.6	105.7	87.1	75.5
22.5°	209.0	192.8	180.0	166.1	154.4	145.2	135.9	128.9	102.2	82.4	69.7
25°	240.4	219.5	198.6	181.2	166.1	153.3	141.7	132.4	99.9	79.0	66.2
27.5°	275.2	250.8	223.0	202.1	181.2	162.6	149.8	138.2	99.9	76.6	62.7
30°	324.0	289.1	255.5	228.8	200.9	180.0	161.4	146.3	99.9	75.5	59.2
32.5°	383.2	343.7	300.8	262.4	229.9	199.7	176.5	156.8	102.2	73.2	56.9
35°	465.7	407.6	356.5	308.9	265.9	231.1	200.9	174.2	105.7	72.0	53.4
37.5°	530.7	461.0	396.0	341.4	291.5	248.5	210.2	181.2	102.2	67.4	49.9
40°	608.5	529.5	450.6	382.0	325.1	269.4	225.3	190.4	99.9	61.5	45.3
42.5°	702.5	603.8	512.1	434.3	363.5	297.3	245.0	202.1	99.9	58.1	41.8
45°	790.8	682.8	580.6	483.1	400.6	327.5	263.6	214.8	98.7	54.6	37.2
47.5°	900.0	772.2	652.6	540.0	444.7	355.3	283.3	226.4	97.5	51.1	33.7
50°	1028.8	873.2	738.5	603.8	487.7	389.0	306.6	239.2	95.2	47.6	30.2
52.5°	1171.7	1004.5	832.6	677.0	541.1	425.0	328.6	250.8	91.7	44.1	26.7
55°	1424.8	1194.9	991.7	798.9	622.4	478.4	361.1	268.2	88.3	40.6	23.2
57.5°	2032.1	1651.3	1363.3	1073.0	819.8	614.3	449.4	318.2	83.6	36.0	18.6
60°	3191.0	2562.8	2073.9	1626.9	1240.2	942.9	661.9	470.3	89.4	30.2	16.3
62.5°	4093.3	3371.0	2748.6	2187.7	1698.9	1291.3	963.8	702.5	128.9	26.7	12.8
64°	4329.1	3597.5	2933.3	2345.7	1837.1	1416.7	1075.3	794.3	166.1	26.7	11.6
65°	4363.9	3667.2	2999.4	2403.7	1884.7	1450.4	1107.8	824.5	181.2	27.9	10.5
67.5°	4219.9	3626.5	3019.2	2428.1	1920.7	1496.8	1151.9	872.1	204.4	26.7	8.1
70°	3685.7	3249.1	2749.8	2271.4	1811.5	1422.5	1107.8	845.4	213.7	25.5	7.0
72.5°	2508.2	2207.5	1912.5	1573.5	1261.1	1039.3	808.2	595.7	149.8	20.9	5.8
75°	836.1	815.2	729.2	552.7	464.5	377.4	301.9	232.2	56.9	12.8	5.8
77.5°	139.3	119.6	104.5	99.9	83.6	81.3	70.8	56.9	24.4	8.1	5.8
80°	81.3	74.3	65.0	58.1	51.1	45.3	38.3	32.5	15.1	5.8	7.0
82.5°	60.4	53.4	47.6	41.8	36.0	31.4	26.7	22.1	8.1	5.8	7.0
85°	34.8	30.2	26.7	23.2	18.6	16.3	13.9	11.6	5.8	5.8	5.8
87.5°	7.0	7.0	5.8	5.8	5.8	5.8	5.8	4.6	5.8	5.8	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



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CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	111.5	108.0	106.8	106.8	106.8	106.8	106.8
5°	102.2	98.7	96.4	95.2	95.2	95.2	95.2
7.5°	95.2	90.6	88.3	85.9	85.9	84.8	84.8
10°	88.3	83.6	80.1	77.8	76.6	76.6	76.6
12.5°	82.4	77.8	73.2	70.8	70.8	69.7	69.7
15°	77.8	70.8	67.4	65.0	65.0	63.9	63.9
17.5°	72.0	66.2	62.7	60.4	59.2	59.2	59.2
20°	66.2	60.4	56.9	55.7	54.6	54.6	53.4
22.5°	61.5	55.7	52.3	51.1	49.9	49.9	48.8
25°	56.9	51.1	47.6	46.4	45.3	44.1	44.1
27.5°	53.4	47.6	44.1	41.8	40.6	39.5	39.5
30°	49.9	43.0	39.5	37.2	36.0	34.8	34.8
32.5°	46.4	39.5	34.8	32.5	31.4	30.2	30.2
35°	41.8	34.8	30.2	29.0	27.9	26.7	25.5
37.5°	38.3	30.2	26.7	24.4	23.2	22.1	22.1
40°	33.7	26.7	23.2	20.9	18.6	17.4	17.4
42.5°	30.2	23.2	19.7	16.3	15.1	13.9	13.9
45°	26.7	20.9	16.3	12.8	11.6	10.5	10.5
47.5°	23.2	17.4	12.8	10.5	9.3	8.1	8.1
50°	19.7	13.9	9.3	7.0	8.1	7.0	7.0
52.5°	17.4	10.5	7.0	7.0	7.0	7.0	7.0
55°	13.9	8.1	5.8	5.8	7.0	7.0	7.0
57.5°	11.6	5.8	4.6	5.8	5.8	5.8	5.8
60°	8.1	4.6	4.6	5.8	5.8	5.8	5.8
62.5°	7.0	4.6	4.6	4.6	5.8	5.8	5.8
64°	5.8	4.6	4.6	4.6	5.8	5.8	5.8
65°	5.8	4.6	4.6	4.6	5.8	5.8	5.8
67.5°	5.8	4.6	4.6	4.6	5.8	5.8	5.8
70°	4.6	4.6	4.6	4.6	5.8	5.8	5.8
72.5°	4.6	4.6	4.6	4.6	5.8	5.8	5.8
75°	4.6	4.6	4.6	4.6	5.8	5.8	5.8
77.5°	4.6	4.6	4.6	5.8	5.8	5.8	5.8
80°	4.6	4.6	4.6	5.8	5.8	5.8	5.8
82.5°	4.6	4.6	4.6	5.8	5.8	5.8	5.8
85°	4.6	4.6	4.6	5.8	5.8	5.8	5.8
87.5°	4.6	4.6	4.6	5.8	5.8	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)