

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: P155268

Luminaire Tested: **AVM-E05-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155268
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-E05-LED-E-U-T3-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6879.9 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

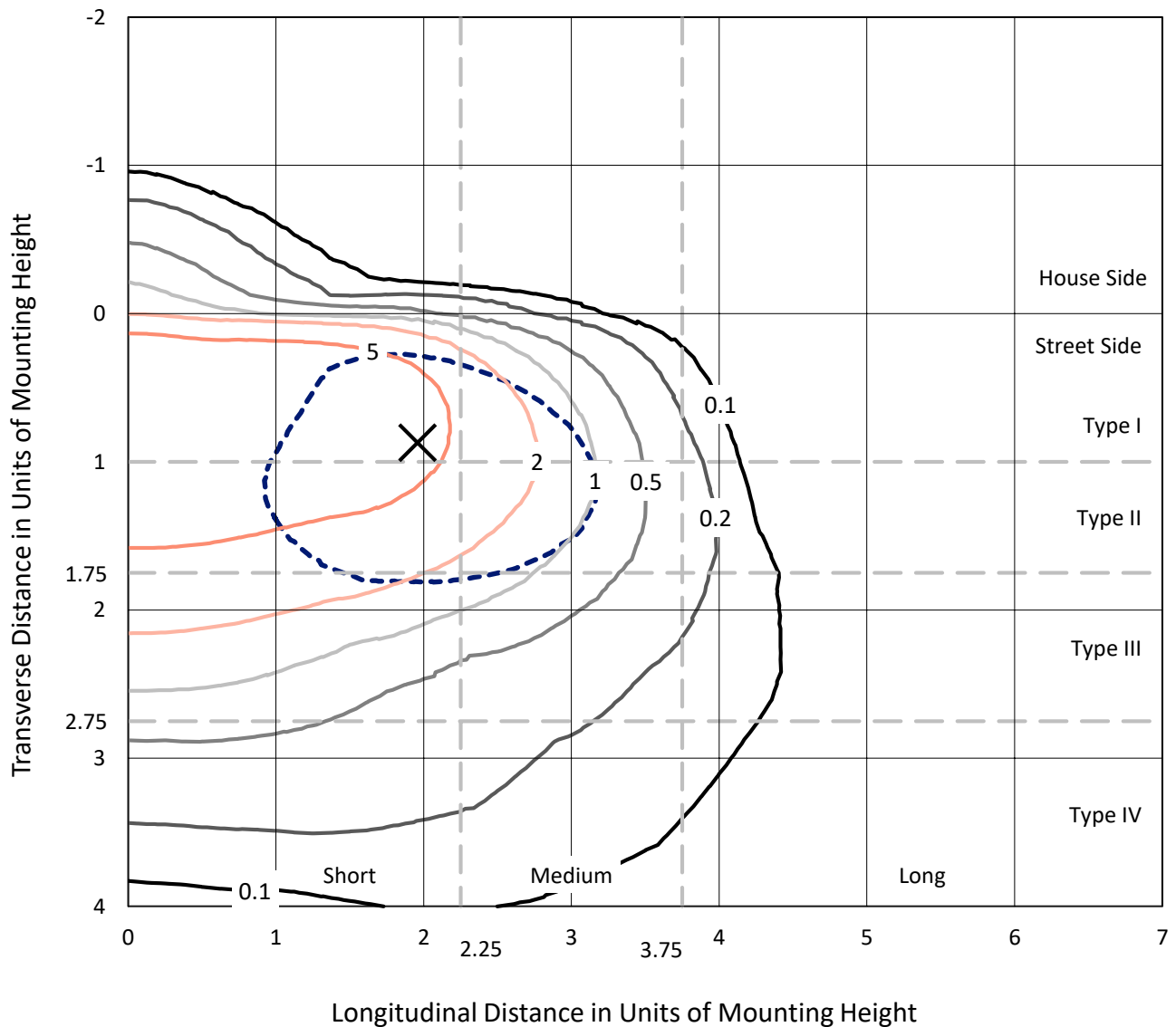
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

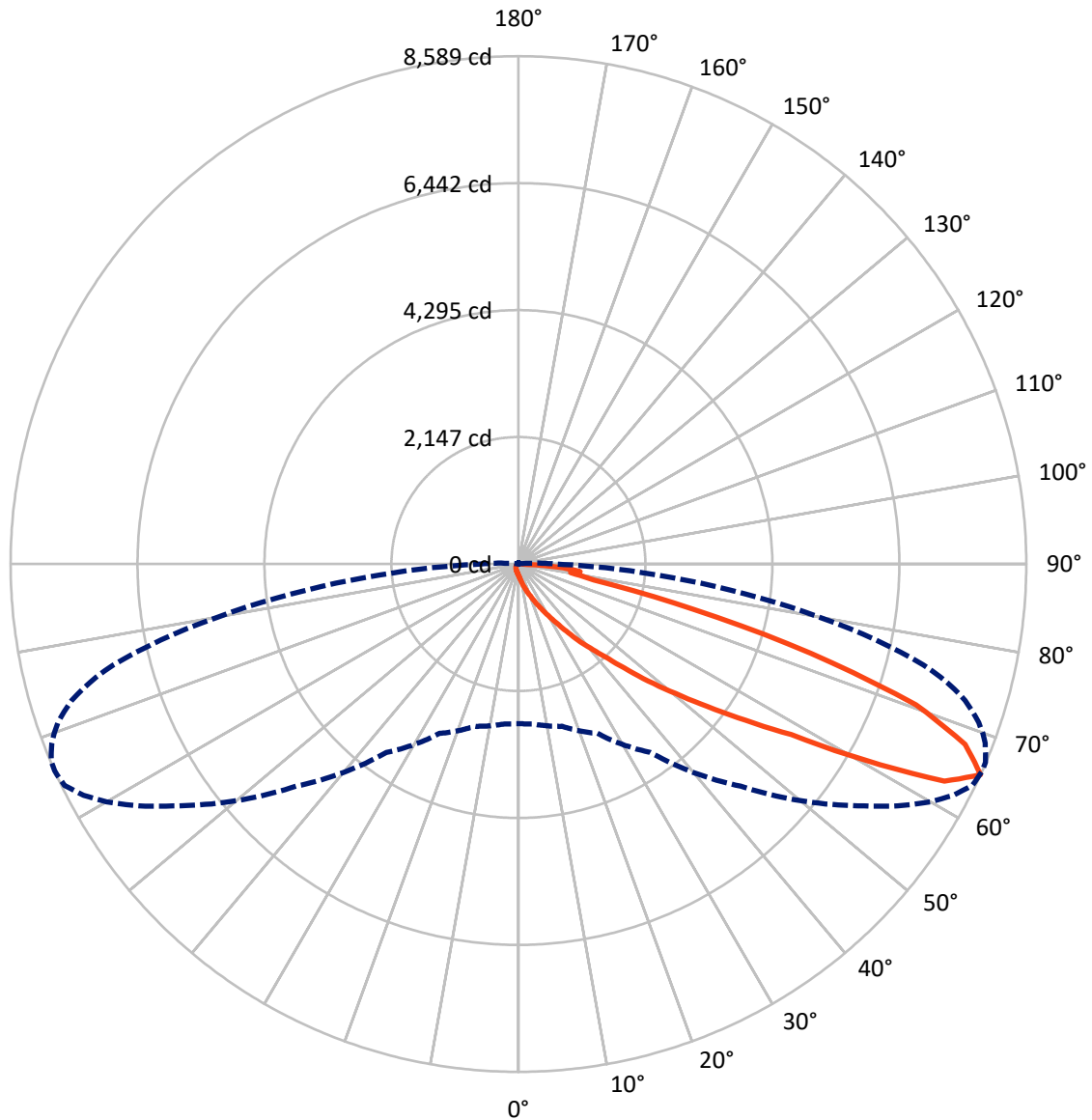
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	138.2	0.0	138.2
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	6741.7	0.0	6741.7
	% Fixture	98.0	0.0	98.0
Total	Lumens	6879.9	0.0	6879.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.3
10°-20°	111.9	1.6
20°-30°	255.6	3.7
30°-40°	486.2	7.1
40°-50°	975.8	14.2
50°-60°	1726.6	25.1
60°-70°	2256.0	32.8
70°-80°	927.6	13.5
80°-90°	116.9	1.7
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°	6879.9	100.0
0°-180°	6879.9	100.0

Coefficient of Utilization



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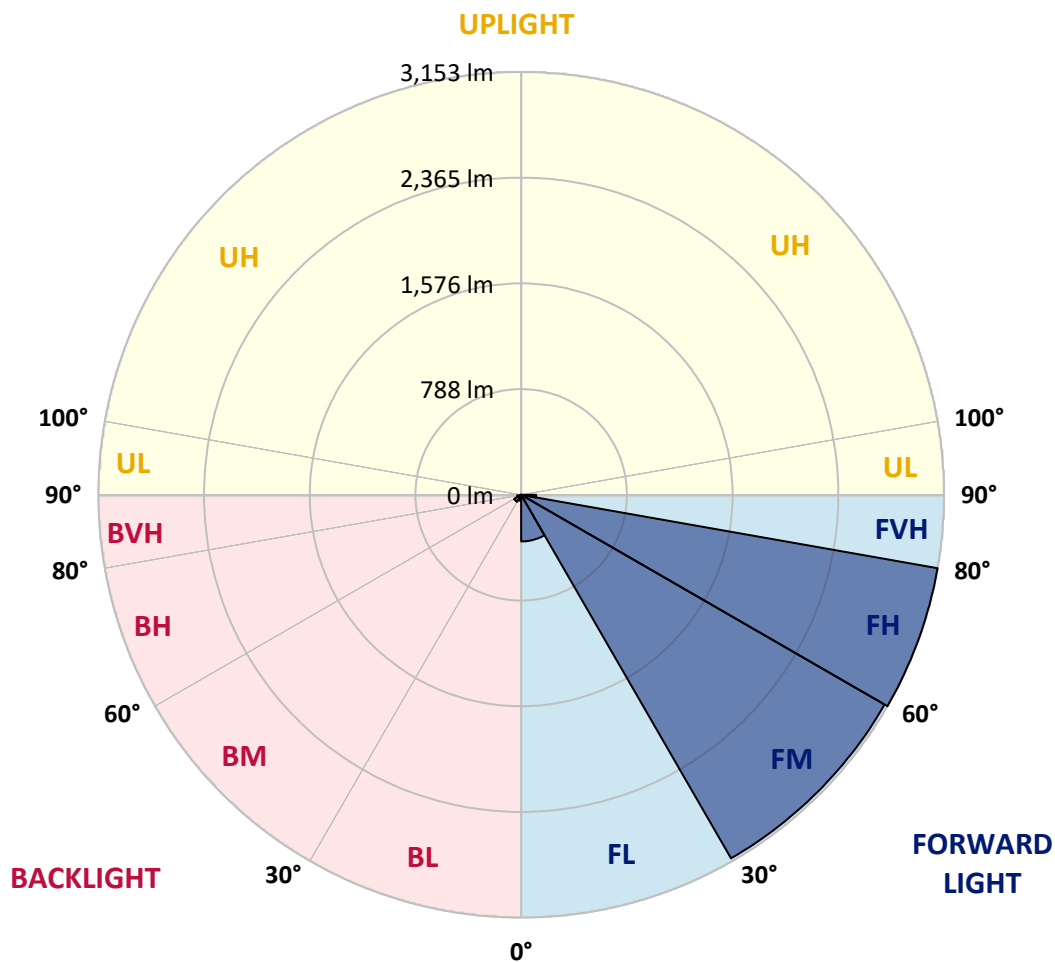
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.6	5.1			
FM	(30°-60°)	3129.5	45.5			
FH	(60°-80°)	3153.0	45.8			G2/5000
FVH	(80°-90°)	111.6	1.6			G2/225
BL	(0°-30°)	43.2	0.6	B0/110		
BM	(30°-60°)	59.1	0.9	B0/220		
BH	(60°-80°)	30.6	0.4	B0/110		G0/110
BVH	(80°-90°)	5.2	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3
2.5°	253.2	249.0	250.4	241.9	236.3	229.3	223.7	222.3	220.8	218.0	219.4
5°	364.3	360.1	350.3	333.4	317.9	294.0	270.1	268.7	264.5	260.2	257.4
7.5°	506.4	499.4	488.1	460.0	422.0	379.8	332.0	327.7	322.1	316.5	310.9
10°	671.0	666.8	645.7	613.3	555.6	486.7	406.5	402.3	389.6	382.6	377.0
12.5°	844.0	825.7	817.3	761.0	694.9	600.6	498.0	482.5	472.6	462.8	448.7
15°	974.8	977.6	957.9	912.9	835.6	725.8	597.8	580.9	566.9	548.6	531.7
17.5°	1093.0	1087.3	1066.2	1038.1	965.0	853.8	704.7	682.2	659.7	649.9	626.0
20°	1188.6	1185.8	1168.9	1142.2	1085.9	979.0	817.3	799.0	773.7	756.8	730.1
22.5°	1264.6	1264.6	1254.7	1239.3	1184.4	1098.6	936.8	917.1	891.8	870.7	841.2
25°	1325.1	1323.7	1325.1	1318.0	1281.5	1202.7	1059.2	1036.7	1015.6	990.3	962.1
27.5°	1394.0	1396.8	1394.0	1389.8	1374.3	1311.0	1183.0	1167.5	1143.6	1116.9	1088.7
30°	1500.9	1492.5	1491.1	1488.2	1470.0	1430.6	1311.0	1292.7	1274.4	1256.1	1236.4
32.5°	1613.4	1599.4	1595.1	1595.1	1582.5	1547.3	1458.7	1448.9	1422.1	1408.1	1391.2
35°	1741.4	1735.8	1730.2	1731.6	1726.0	1689.4	1616.2	1619.1	1610.6	1582.5	1565.6
37.5°	1928.5	1929.9	1920.1	1901.8	1901.8	1869.4	1827.2	1821.6	1800.5	1793.5	1783.6
40°	2195.8	2188.7	2180.3	2153.6	2143.7	2088.9	2049.5	2035.4	2018.5	2017.1	2005.9
42.5°	2505.2	2496.8	2496.8	2477.1	2457.4	2391.3	2316.8	2306.9	2288.6	2294.2	2290.0
45°	2792.2	2799.2	2809.1	2823.1	2826.0	2797.8	2689.5	2676.9	2667.0	2661.4	2657.2
47.5°	3039.8	3052.4	3084.8	3145.3	3222.6	3232.5	3146.7	3112.9	3105.9	3096.0	3087.6
50°	3217.0	3235.3	3308.4	3426.6	3577.1	3670.0	3623.5	3595.4	3594.0	3567.3	3564.5
52.5°	3318.3	3338.0	3457.5	3636.2	3869.7	4051.2	4108.8	4107.4	4104.6	4080.7	4070.8
55°	3340.8	3361.9	3505.4	3748.7	4082.1	4395.8	4616.6	4622.3	4634.9	4627.9	4627.9
57.5°	3278.9	3305.6	3461.8	3762.8	4193.2	4668.7	5151.2	5183.5	5199.0	5253.8	5317.1
60°	3165.0	3184.7	3340.8	3677.0	4212.9	4917.7	5846.0	5948.7	6028.9	6137.2	6239.9
62.5°	2954.0	2993.4	3142.5	3508.2	4153.8	5204.6	6676.0	6865.9	7022.0	7186.6	7384.9
65°	2698.0	2714.8	2841.4	3160.7	3889.4	5314.3	7134.5	7320.2	7520.0	7695.8	7873.0
67.5°	2377.2	2391.3	2501.0	2637.5	3210.0	4800.9	6683.0	6888.4	7068.4	7213.3	7445.4
70°	1557.2	1588.1	1856.8	1991.8	2243.6	3549.0	5464.8	5663.2	5801.0	5899.5	6168.2
72.5°	1140.8	1160.5	1268.8	1547.3	1609.2	2097.3	3845.8	4061.0	4111.6	4297.3	4422.5
75°	696.3	745.5	990.3	1325.1	1568.4	1436.2	2304.1	2408.2	2524.9	2660.0	2779.5
77.5°	140.7	160.4	323.5	912.9	1379.9	1534.7	1375.7	1395.4	1453.1	1465.7	1510.7
80°	22.5	23.9	42.2	393.9	799.0	1240.7	1375.7	1357.4	1325.1	1302.6	1280.1
82.5°	9.8	11.3	18.3	99.9	170.2	413.6	1190.0	1282.9	1389.8	1448.9	1464.3
85°	4.2	4.2	7.0	19.7	25.3	28.1	201.2	265.9	474.0	630.2	725.8
87.5°	2.8	2.8	4.2	4.2	5.6	7.0	9.8	9.8	11.3	12.7	18.3
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°	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3
2.5°	219.4	218.0	218.0	213.8	213.8	212.4	212.4	211.0	211.0	208.2	209.6
5°	256.0	253.2	250.4	246.2	244.8	241.9	239.1	234.9	233.5	230.7	229.3
7.5°	305.2	302.4	296.8	288.4	282.7	277.1	271.5	265.9	261.6	257.4	254.6
10°	365.7	357.3	354.5	337.6	330.6	319.3	312.3	306.7	298.2	291.2	287.0
12.5°	438.9	431.8	417.8	395.3	384.0	374.2	361.5	350.3	341.8	329.2	320.7
15°	514.8	509.2	489.5	464.2	450.1	431.8	419.2	407.9	389.6	381.2	365.7
17.5°	610.5	593.6	573.9	537.3	519.1	503.6	481.1	464.2	452.9	427.6	413.6
20°	709.0	690.7	665.3	624.6	599.2	575.3	557.0	534.5	510.6	493.7	469.8
22.5°	821.5	791.9	772.3	721.6	692.1	666.8	635.8	611.9	588.0	561.3	534.5
25°	941.0	911.5	887.6	829.9	799.0	773.7	737.1	703.3	673.8	644.2	613.3
27.5°	1066.2	1039.5	1012.8	953.7	927.0	891.8	858.1	818.7	780.7	754.0	711.8
30°	1211.1	1188.6	1159.1	1095.8	1066.2	1029.7	994.5	948.1	911.5	874.9	834.1
32.5°	1367.3	1349.0	1318.0	1261.8	1226.6	1195.7	1157.7	1112.7	1060.6	1022.6	974.8
35°	1557.2	1526.2	1507.9	1454.5	1427.8	1394.0	1354.6	1315.2	1260.4	1206.9	1166.1
37.5°	1773.8	1759.7	1735.8	1685.2	1665.5	1630.3	1605.0	1565.6	1523.4	1455.9	1412.3
40°	1996.0	1986.2	1965.1	1914.5	1894.8	1870.8	1841.3	1803.3	1752.7	1717.5	1652.8
42.5°	2278.8	2263.3	2246.4	2198.6	2160.6	2131.1	2118.4	2086.1	2032.6	1987.6	1937.0
45°	2637.5	2630.4	2607.9	2560.1	2522.1	2502.4	2482.7	2427.9	2392.7	2347.7	2312.5
47.5°	3070.7	3048.2	3037.0	2983.5	2970.8	2955.4	2904.7	2873.8	2823.1	2788.0	2744.4
50°	3539.1	3515.2	3516.6	3451.9	3454.7	3443.5	3405.5	3368.9	3325.3	3294.4	3267.7
52.5°	4042.7	4054.0	4025.8	4045.5	4023.0	3997.7	3990.7	3945.7	3907.7	3906.3	3869.7
55°	4661.6	4643.4	4650.4	4670.1	4639.1	4667.3	4653.2	4595.5	4596.9	4608.2	4566.0
57.5°	5327.0	5353.7	5411.4	5424.0	5477.5	5440.9	5536.6	5467.7	5509.9	5509.9	5481.7
60°	6303.2	6410.1	6549.4	6657.7	6757.6	6725.2	6850.4	6771.6	6827.9	6780.1	6756.1
62.5°	7479.2	7621.2	7785.8	7961.6	8062.9	8088.2	8070.0	8105.1	8050.3	8015.1	7923.7
65°	8044.6	8185.3	8328.8	8539.8	8567.9	8589.0	8580.6	8521.5	8454.0	8354.1	8234.5
67.5°	7574.8	7771.7	7851.9	8095.3	8176.9	8147.3	8157.2	8081.2	7975.7	7877.2	7701.4
70°	6280.7	6505.8	6548.0	6896.8	6993.9	7134.5	7083.9	7061.4	6946.0	6863.1	6668.9
72.5°	4573.0	4748.9	4734.8	5127.2	5110.4	5168.0	5304.5	5298.9	5177.9	5151.2	4988.0
75°	2814.7	2920.2	2914.6	3193.1	3076.3	3059.5	3097.4	3080.6	2966.6	2848.5	2747.2
77.5°	1491.1	1538.9	1488.2	1405.2	1396.8	1302.6	1275.8	1274.4	1187.2	1080.3	1001.5
80°	1256.1	1206.9	1147.8	1026.9	956.5	893.2	834.1	779.3	720.2	641.4	545.8
82.5°	1467.1	1443.2	1401.0	1249.1	1176.0	1049.4	955.1	866.5	758.2	676.6	554.2
85°	714.6	713.2	746.9	731.5	704.7	699.1	606.3	586.6	543.0	498.0	416.4
87.5°	19.7	14.1	16.9	14.1	16.9	18.3	12.7	29.5	18.3	16.9	19.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3
2.5°	208.2	206.8	205.4	205.4	204.0	204.0	202.6	201.2	201.2	199.7	199.7
5°	226.5	223.7	222.3	220.8	218.0	216.6	213.8	212.4	209.6	208.2	205.4
7.5°	249.0	246.2	240.5	237.7	233.5	232.1	225.1	222.3	219.4	216.6	212.4
10°	277.1	270.1	264.5	258.8	251.8	246.2	240.5	236.3	230.7	223.7	220.8
12.5°	312.3	302.4	294.0	284.1	275.7	267.3	257.4	250.4	241.9	234.9	227.9
15°	351.7	337.6	326.3	312.3	298.2	288.4	278.5	268.7	257.4	247.6	239.1
17.5°	396.7	378.4	362.9	346.0	330.6	316.5	299.6	287.0	274.3	260.2	249.0
20°	444.5	426.2	405.1	386.8	364.3	348.8	327.7	310.9	292.6	278.5	263.0
22.5°	507.8	483.9	457.2	431.8	407.9	384.0	361.5	340.4	317.9	296.8	281.3
25°	582.4	552.8	519.1	493.7	460.0	433.2	405.1	378.4	354.5	327.7	302.4
27.5°	675.2	635.8	599.2	564.1	527.5	493.7	457.2	426.2	393.9	362.9	334.8
30°	783.5	745.5	690.7	651.3	614.7	568.3	531.7	490.9	454.3	409.3	378.4
32.5°	927.0	877.8	820.1	768.0	720.2	668.2	617.5	565.5	517.6	476.9	430.4
35°	1114.1	1056.4	987.5	921.4	867.9	804.6	739.9	680.8	626.0	566.9	509.2
37.5°	1350.4	1296.9	1222.4	1142.2	1070.5	994.5	927.0	844.0	770.8	699.1	626.0
40°	1585.3	1536.1	1458.7	1372.9	1280.1	1192.8	1107.0	1012.8	920.0	829.9	754.0
42.5°	1875.1	1801.9	1718.9	1621.9	1531.8	1427.8	1320.8	1212.5	1101.4	993.1	884.8
45°	2239.4	2183.1	2066.4	1962.3	1855.4	1733.0	1600.8	1477.0	1334.9	1206.9	1063.4
47.5°	2682.5	2581.2	2495.4	2399.7	2266.1	2148.0	1979.2	1832.9	1655.6	1485.4	1313.8
50°	3205.8	3149.5	3035.6	2916.0	2771.1	2630.4	2465.9	2254.9	2042.5	1861.0	1626.1
52.5°	3817.7	3737.5	3665.7	3541.9	3394.3	3214.2	3027.1	2797.8	2537.6	2281.6	2031.2
55°	4543.5	4487.2	4418.3	4319.8	4131.3	3927.4	3702.3	3428.0	3120.0	2775.3	2484.1
57.5°	5480.3	5421.2	5355.1	5152.6	5024.6	4774.2	4447.8	4163.7	3831.7	3390.0	3028.5
60°	6759.0	6678.8	6585.9	6421.4	6154.1	5829.2	5478.9	5058.3	4651.8	4169.3	3695.3
62.5°	7851.9	7723.9	7525.6	7313.2	6992.5	6619.7	6179.4	5684.3	5221.5	4678.5	4151.0
65°	8077.0	7901.2	7667.7	7390.5	7060.0	6639.4	6179.4	5705.4	5161.0	4650.4	4120.1
67.5°	7491.8	7287.9	7048.7	6739.3	6424.2	5990.9	5594.3	5111.8	4599.8	4158.1	3684.0
70°	6529.7	6227.2	5982.5	5653.3	5334.0	4993.6	4575.8	4214.3	3798.0	3391.4	3028.5
72.5°	4903.6	4605.4	4383.1	4120.1	3930.2	3570.1	3263.4	2993.4	2747.2	2443.4	2174.7
75°	2643.1	2419.4	2270.3	2150.8	1980.6	1742.8	1596.5	1410.9	1306.8	1180.2	1057.8
77.5°	862.3	759.6	648.5	540.2	464.2	348.8	337.6	268.7	253.2	246.2	189.9
80°	441.7	340.4	246.2	177.2	135.0	119.6	113.9	108.3	102.7	98.5	91.4
82.5°	443.1	320.7	220.8	153.3	111.1	92.8	87.2	84.4	80.2	76.0	70.3
85°	323.5	239.1	164.6	112.5	77.4	61.9	59.1	54.9	52.0	50.6	45.0
87.5°	21.1	15.5	14.1	12.7	12.7	12.7	14.1	12.7	14.1	14.1	12.7
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3
2.5°	198.3	196.9	196.9	195.5	194.1	194.1	192.7	192.7	188.5	181.5	175.8
5°	204.0	201.2	199.7	198.3	196.9	194.1	192.7	191.3	184.3	170.2	159.0
7.5°	208.2	205.4	204.0	201.2	196.9	195.5	192.7	189.9	178.6	159.0	146.3
10°	215.2	211.0	206.8	202.6	198.3	195.5	191.3	188.5	171.6	149.1	136.4
12.5°	222.3	216.6	211.0	204.0	199.7	195.5	191.3	185.7	166.0	140.7	126.6
15°	230.7	222.3	215.2	208.2	201.2	195.5	188.5	184.3	160.4	133.6	121.0
17.5°	239.1	229.3	219.4	209.6	202.6	194.1	188.5	181.5	154.7	128.0	113.9
20°	249.0	234.9	225.1	213.8	204.0	194.1	185.7	178.6	149.1	121.0	106.9
22.5°	263.0	246.2	230.7	218.0	205.4	195.5	185.7	175.8	143.5	115.3	101.3
25°	281.3	260.2	241.9	226.5	211.0	198.3	187.1	177.2	139.3	111.1	94.2
27.5°	308.1	281.3	261.6	240.5	220.8	205.4	191.3	180.1	136.4	106.9	90.0
30°	340.4	313.7	282.7	257.4	236.3	215.2	199.7	182.9	133.6	102.7	84.4
32.5°	388.2	350.3	313.7	282.7	253.2	229.3	206.8	189.9	132.2	95.7	78.8
35°	457.2	405.1	361.5	320.7	279.9	250.4	223.7	201.2	130.8	90.0	73.1
37.5°	555.6	493.7	437.5	379.8	329.2	287.0	250.4	220.8	130.8	85.8	67.5
40°	661.1	580.9	509.2	437.5	372.8	319.3	270.1	233.5	128.0	80.2	61.9
42.5°	780.7	682.2	583.8	495.1	415.0	346.0	288.4	243.4	121.0	74.6	56.3
45°	941.0	811.6	693.5	579.5	475.4	385.4	312.3	254.6	113.9	70.3	50.6
47.5°	1142.2	991.7	838.4	694.9	558.4	444.5	347.4	272.9	109.7	64.7	46.4
50°	1441.8	1228.0	1025.4	842.6	669.6	520.5	399.5	299.6	105.5	60.5	42.2
52.5°	1771.0	1507.9	1270.2	1035.3	820.1	623.1	460.0	334.8	101.3	56.3	38.0
55°	2171.9	1848.3	1558.6	1253.3	977.6	742.7	534.5	374.2	95.7	52.0	35.2
57.5°	2667.0	2257.7	1914.5	1541.7	1195.7	897.4	634.4	440.3	90.0	46.4	30.9
60°	3219.8	2757.0	2325.2	1887.7	1468.5	1102.8	782.1	534.5	84.4	40.8	26.7
62.5°	3617.9	3110.1	2616.4	2125.5	1665.5	1256.1	901.7	607.7	76.0	35.2	23.9
65°	3613.7	3098.9	2602.3	2118.4	1671.1	1261.8	905.9	621.7	67.5	30.9	21.1
67.5°	3219.8	2786.6	2343.5	1908.8	1517.8	1147.8	838.4	576.7	57.7	28.1	18.3
70°	2648.7	2304.1	1953.8	1609.2	1295.5	983.2	724.4	502.2	49.2	25.3	15.5
72.5°	1934.1	1682.4	1468.5	1225.2	1011.4	776.5	578.1	393.9	39.4	21.1	14.1
75°	960.7	859.5	737.1	661.1	564.1	461.4	358.7	229.3	32.4	16.9	12.7
77.5°	182.9	163.2	156.1	135.0	123.8	109.7	97.1	68.9	25.3	12.7	11.3
80°	84.4	77.4	70.3	63.3	56.3	47.8	42.2	36.6	19.7	9.8	12.7
82.5°	66.1	60.5	53.5	47.8	42.2	36.6	30.9	26.7	12.7	8.4	12.7
85°	43.6	38.0	33.8	29.5	25.3	22.5	19.7	16.9	8.4	8.4	8.4
87.5°	12.7	12.7	11.3	11.3	9.8	9.8	8.4	8.4	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):

	125°	135°	145°	155°	165°	175°	180°
0°	191.3	191.3	191.3	191.3	191.3	191.3	191.3
2.5°	170.2	163.2	160.4	159.0	159.0	160.4	159.0
5°	150.5	143.5	140.7	137.9	137.9	137.9	139.3
7.5°	137.9	130.8	126.6	125.2	123.8	125.2	125.2
10°	126.6	121.0	115.3	112.5	112.5	112.5	112.5
12.5°	118.2	111.1	105.5	104.1	102.7	102.7	102.7
15°	111.1	102.7	98.5	95.7	94.2	94.2	95.7
17.5°	102.7	95.7	90.0	88.6	88.6	88.6	88.6
20°	97.1	88.6	84.4	81.6	81.6	81.6	81.6
22.5°	90.0	83.0	77.4	74.6	74.6	74.6	74.6
25°	84.4	77.4	71.7	68.9	68.9	68.9	68.9
27.5°	78.8	71.7	66.1	63.3	63.3	63.3	63.3
30°	73.1	66.1	60.5	57.7	57.7	57.7	57.7
32.5°	68.9	60.5	54.9	52.0	52.0	53.5	52.0
35°	61.9	54.9	49.2	46.4	46.4	46.4	46.4
37.5°	56.3	49.2	43.6	40.8	40.8	40.8	39.4
40°	52.0	43.6	38.0	35.2	33.8	33.8	33.8
42.5°	45.0	36.6	32.4	29.5	28.1	28.1	28.1
45°	40.8	32.4	26.7	23.9	23.9	23.9	23.9
47.5°	36.6	28.1	22.5	19.7	19.7	21.1	21.1
50°	32.4	23.9	18.3	18.3	18.3	19.7	19.7
52.5°	28.1	21.1	16.9	16.9	18.3	19.7	19.7
55°	25.3	18.3	15.5	16.9	18.3	19.7	19.7
57.5°	22.5	15.5	15.5	16.9	18.3	19.7	19.7
60°	19.7	14.1	14.1	15.5	18.3	19.7	19.7
62.5°	16.9	14.1	14.1	15.5	18.3	19.7	19.7
65°	15.5	14.1	14.1	15.5	18.3	19.7	19.7
67.5°	14.1	12.7	14.1	15.5	16.9	18.3	18.3
70°	12.7	12.7	14.1	15.5	16.9	18.3	18.3
72.5°	12.7	12.7	12.7	14.1	15.5	16.9	16.9
75°	12.7	12.7	12.7	14.1	15.5	16.9	16.9
77.5°	12.7	11.3	11.3	12.7	15.5	16.9	16.9
80°	12.7	11.3	11.3	12.7	14.1	16.9	16.9
82.5°	9.8	9.8	11.3	12.7	14.1	15.5	15.5
85°	8.4	9.8	9.8	11.3	12.7	15.5	15.5
87.5°	7.0	7.0	8.4	9.8	11.3	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)