

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: McGRAW-EDISON

Report Number: P159194

Luminaire Tested: **VTS-F02-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159194
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F02-LED-E1-T2-7030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4654.7 lumens
Efficiency: N/A
Efficacy: 84.6 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

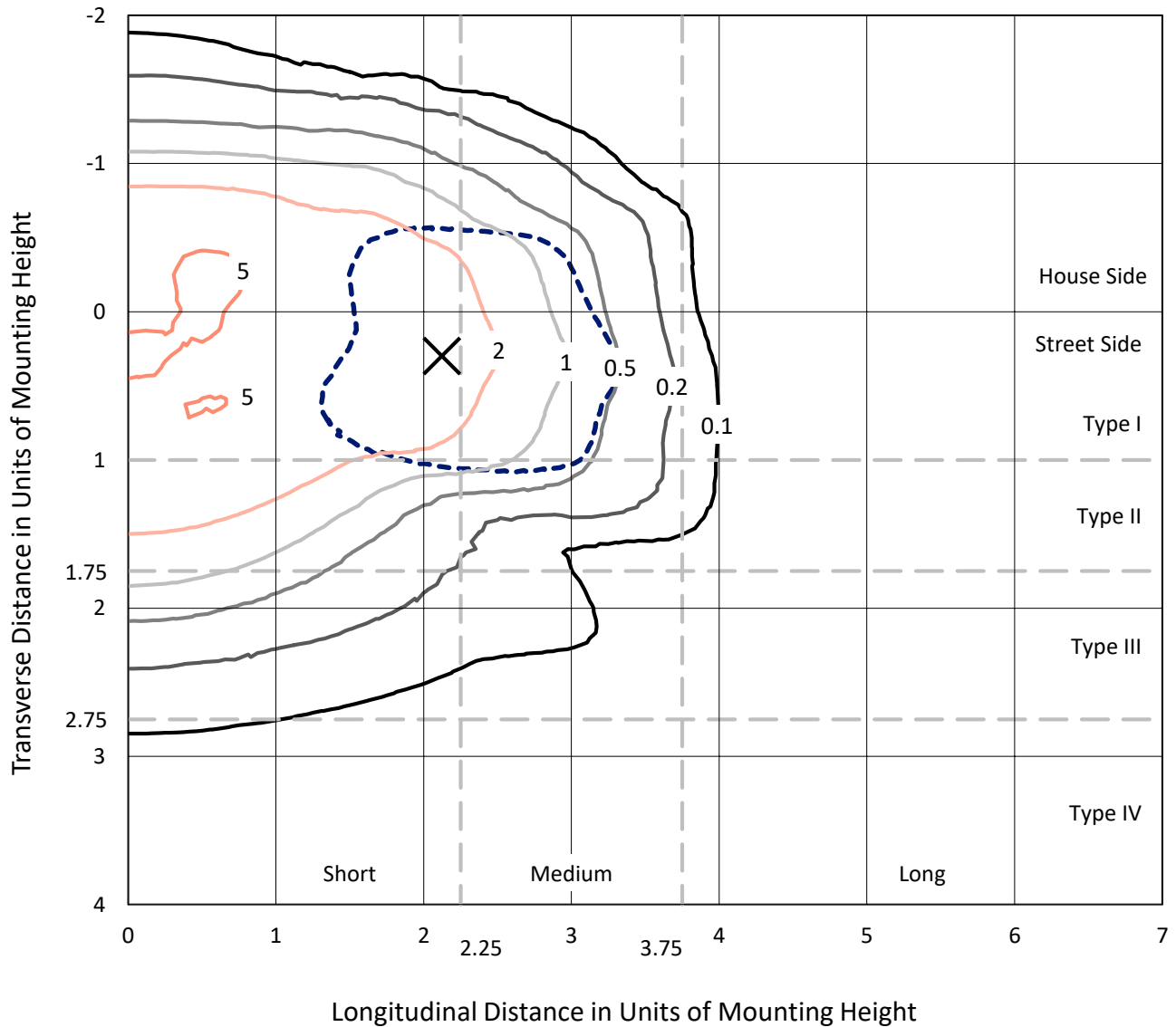
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

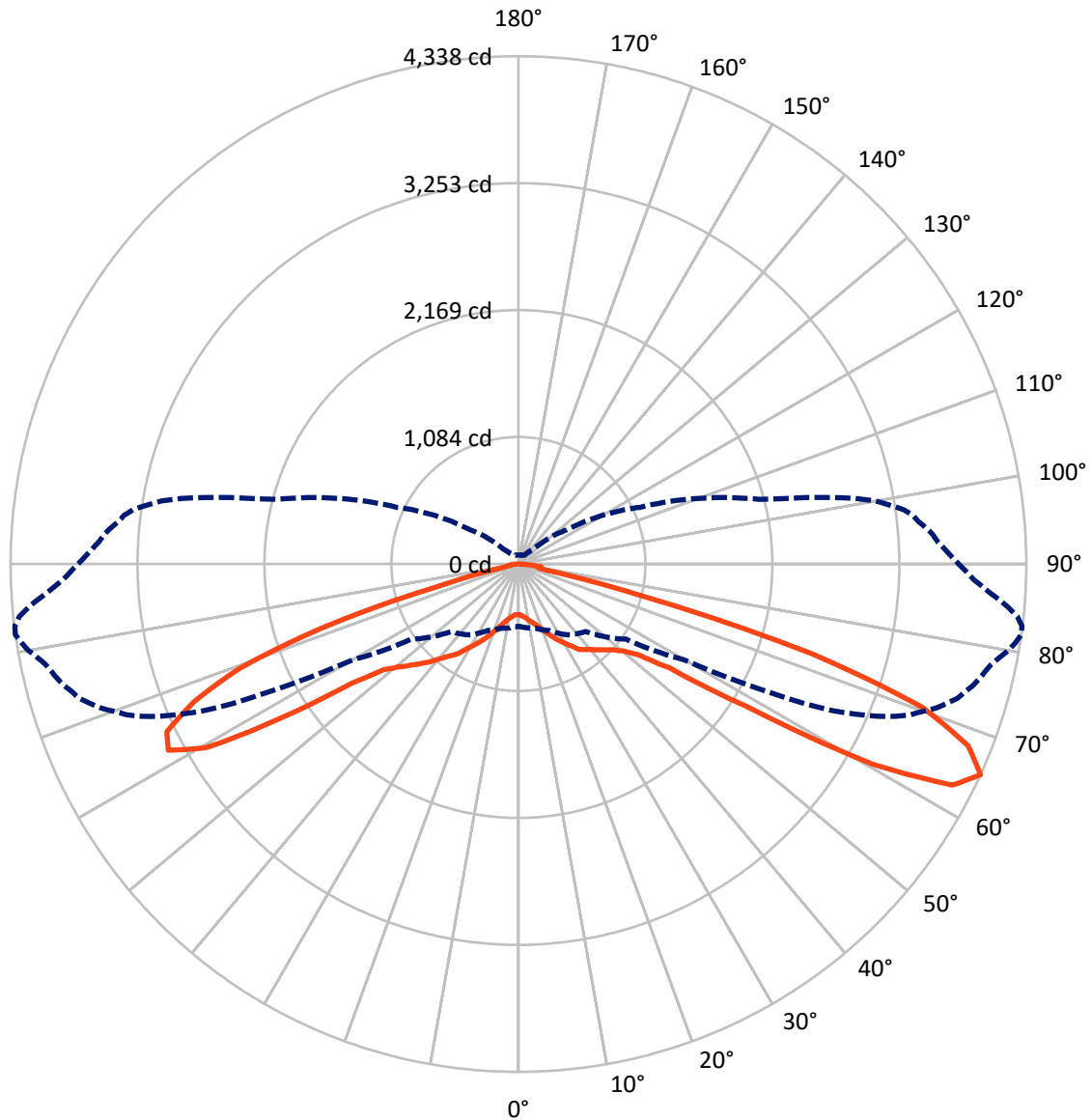


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1733.1	0.0	1733.1
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	2921.6	0.0	2921.6
	% Fixture	62.8	0.0	62.8
Total	Lumens	4654.7	0.0	4654.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	0.9
10°-20°	154.1	3.3
20°-30°	305.3	6.6
30°-40°	523.3	11.2
40°-50°	786.1	16.9
50°-60°	1092.2	23.5
60°-70°	1246.0	26.8
70°-80°	429.2	9.2
80°-90°	74.8	1.6
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°	4654.7	100.0
0°-180°	4654.7	100.0



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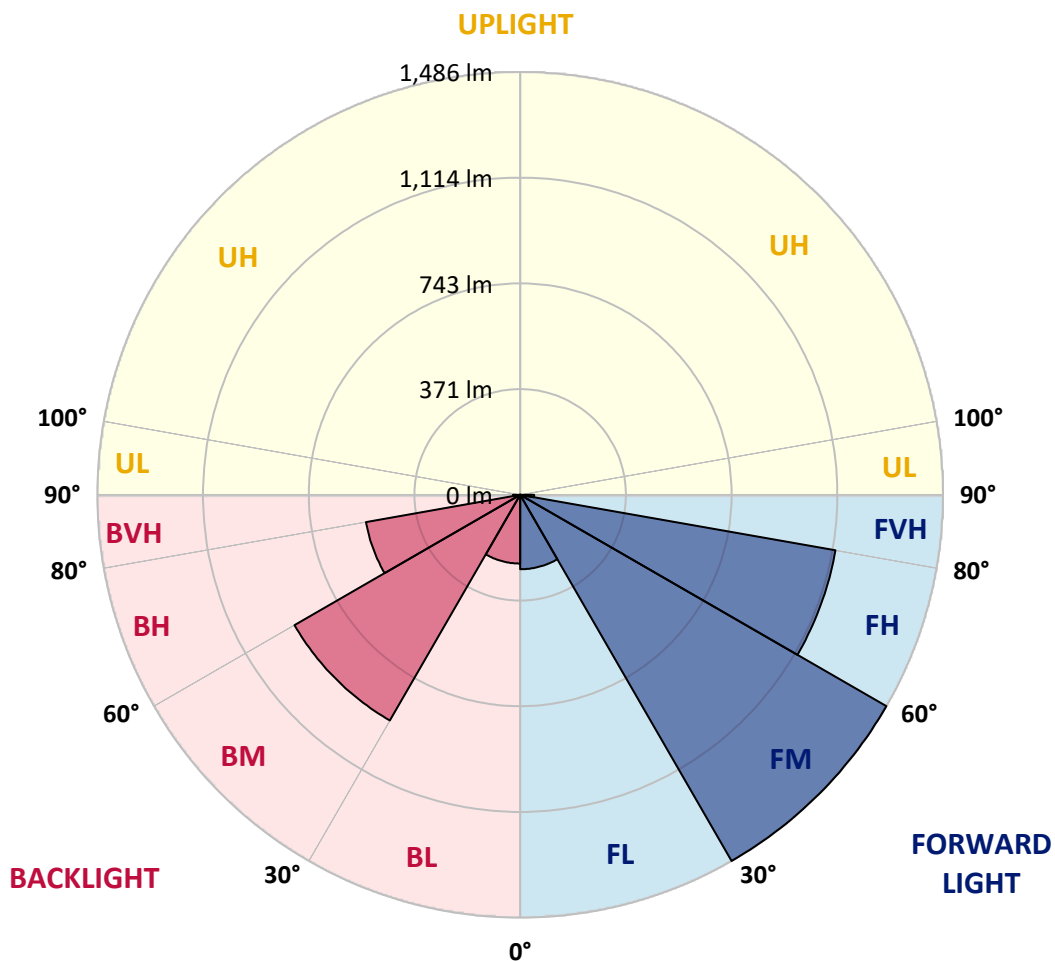
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.5	5.6			
FM	(30°-60°)	1485.9	31.9			
FH	(60°-80°)	1125.0	24.2			G1/1800
FVH	(80°-90°)	49.2	1.1			G1/100
BL	(0°-30°)	241.7	5.2	B1/500		
BM	(30°-60°)	915.7	19.7	B1/1000		
BH	(60°-80°)	550.2	11.8	B2/1000		G2/1000
BVH	(80°-90°)	25.6	0.5			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°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	456.6	456.9	456.6	455.7	455.4	452.7	449.7	448.2	447.9	446.7	447.0
5°	485.0	484.1	482.9	481.3	479.8	475.3	470.2	467.5	466.6	465.7	464.5
7.5°	510.3	510.9	510.3	508.2	504.3	498.5	491.9	487.7	487.4	486.5	485.6
10°	542.9	544.4	540.8	537.1	531.7	523.0	515.4	510.0	509.1	507.9	507.3
12.5°	578.2	578.5	577.3	569.1	560.1	548.0	537.1	531.7	530.5	529.0	528.4
15°	615.9	616.2	609.5	601.7	587.8	573.3	558.3	552.2	550.7	551.0	548.6
17.5°	645.7	646.3	640.0	630.0	613.4	596.3	580.0	575.1	574.2	574.5	573.3
20°	658.7	659.6	655.7	648.1	632.4	617.4	605.6	602.6	602.3	601.7	604.1
22.5°	658.1	658.4	656.9	653.9	644.5	635.8	634.3	636.1	635.8	636.4	638.5
25°	652.7	653.6	653.3	654.5	653.0	656.3	663.2	669.5	670.5	671.7	675.6
27.5°	666.5	668.3	666.2	667.4	669.8	681.0	695.2	704.8	706.6	710.0	713.3
30°	720.8	718.4	715.7	712.7	714.2	721.1	737.1	745.5	746.5	748.9	753.4
32.5°	801.3	798.6	796.2	791.4	790.2	787.2	792.6	794.7	794.4	796.8	798.0
35°	892.1	892.4	891.8	895.4	898.5	883.1	864.1	858.9	861.1	858.3	858.9
37.5°	969.6	970.5	986.5	1006.4	1012.2	1002.5	960.9	940.4	933.4	932.5	925.6
40°	1055.6	1055.6	1079.7	1104.1	1120.1	1132.2	1082.7	1046.5	1031.8	1027.5	1010.4
42.5°	1150.0	1145.2	1167.2	1194.0	1223.6	1251.0	1225.4	1184.7	1163.6	1156.0	1125.9
45°	1227.5	1224.5	1235.3	1260.4	1308.3	1362.0	1365.6	1344.8	1332.2	1316.5	1288.7
47.5°	1275.2	1273.6	1280.0	1307.1	1367.1	1454.0	1502.6	1513.1	1505.6	1493.5	1466.7
50°	1293.9	1291.7	1296.3	1326.4	1393.7	1508.3	1615.7	1665.4	1669.0	1671.8	1663.3
52.5°	1287.2	1284.5	1293.9	1319.2	1389.2	1527.3	1704.0	1799.6	1815.6	1829.2	1856.9
55°	1223.6	1219.4	1244.7	1292.3	1369.6	1520.4	1768.6	1928.7	1962.5	1998.7	2060.2
57.5°	1126.2	1122.5	1159.0	1224.5	1334.9	1501.4	1812.0	2091.9	2167.9	2233.0	2407.7
60°	1032.4	1029.4	1050.8	1114.1	1222.4	1408.8	1758.3	2146.8	2274.3	2414.9	2733.7
62.5°	864.7	856.5	885.2	938.6	1007.0	1165.4	1524.0	2024.6	2221.3	2427.9	2860.0
65°	531.4	543.2	567.9	627.0	739.2	814.6	1119.2	1638.0	1897.3	2156.4	2717.1
67.5°	337.5	340.8	359.2	400.2	487.1	562.8	678.3	1027.8	1227.8	1482.7	2133.2
70°	289.2	291.3	307.0	349.9	409.9	503.1	513.3	536.8	608.6	770.9	1254.0
72.5°	228.0	231.6	244.0	281.1	353.5	453.6	633.7	424.3	409.9	423.4	611.9
75°	135.7	139.9	150.2	170.4	227.1	346.8	663.8	493.7	460.2	434.0	422.2
77.5°	71.8	68.8	75.7	87.5	116.7	184.9	498.8	605.0	581.5	550.1	483.5
80°	35.6	36.8	38.9	41.3	52.2	75.1	249.4	625.8	693.7	723.8	664.7
82.5°	14.2	16.0	22.6	24.1	28.7	32.0	80.2	346.8	496.7	673.8	879.8
85°	7.2	6.9	12.1	14.5	16.9	15.1	28.4	129.4	232.8	362.8	587.8
87.5°	0.9	1.2	2.7	3.6	5.1	4.8	8.1	28.0	44.6	63.3	89.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	445.5	445.2	445.2	444.0	444.0	444.3	443.3	442.7	442.7	443.0	441.8
5°	463.6	462.7	462.7	461.4	459.9	459.9	458.7	458.4	457.8	456.6	455.7
7.5°	484.7	483.8	482.3	481.3	480.7	479.8	478.3	477.7	476.5	475.3	474.1
10°	506.4	505.2	504.6	503.1	502.5	500.7	499.7	500.0	497.6	496.7	497.0
12.5°	528.1	526.9	524.8	524.2	523.9	522.1	521.2	520.6	518.7	518.4	517.5
15°	547.4	548.0	547.1	545.6	544.4	544.1	543.2	542.6	541.4	540.2	539.0
17.5°	572.4	573.3	572.1	570.0	570.0	569.7	570.0	569.7	567.6	568.5	567.9
20°	604.4	605.0	602.0	602.9	603.5	603.2	604.1	605.0	604.4	604.4	605.3
22.5°	641.2	642.1	640.3	641.5	643.3	641.8	644.5	644.2	644.8	645.7	646.0
25°	678.9	680.7	679.2	682.5	681.3	682.5	685.8	684.9	686.4	688.8	689.8
27.5°	716.6	717.8	718.1	720.2	722.3	724.1	728.4	728.4	729.6	733.8	733.8
30°	756.1	757.3	758.5	761.5	762.7	766.1	770.3	771.5	770.9	776.9	778.7
32.5°	801.6	802.9	805.0	808.6	810.1	813.4	813.4	816.7	819.1	824.3	824.6
35°	862.3	863.2	862.3	862.0	864.1	868.6	868.9	873.7	875.8	881.0	882.5
37.5°	922.9	922.6	918.7	914.4	914.7	912.9	911.7	913.8	914.7	915.0	918.4
40°	1004.6	996.8	990.7	980.2	975.4	967.8	963.3	963.0	958.2	957.6	958.5
42.5°	1111.7	1102.6	1088.5	1070.7	1057.1	1043.2	1033.0	1026.9	1016.4	1011.0	1006.4
45°	1261.3	1239.0	1222.1	1201.0	1174.7	1150.6	1125.3	1113.8	1093.6	1081.2	1067.4
47.5°	1444.0	1422.0	1396.1	1374.4	1340.0	1306.5	1271.8	1241.4	1206.1	1178.0	1155.1
50°	1642.5	1629.5	1610.8	1590.6	1546.3	1524.3	1480.5	1439.2	1401.2	1351.2	1307.4
52.5°	1846.1	1853.6	1849.4	1842.2	1814.1	1805.7	1768.0	1717.6	1679.3	1644.9	1568.9
55°	2097.0	2106.1	2124.2	2134.7	2131.4	2152.8	2143.5	2104.2	2088.9	2072.9	2018.9
57.5°	2480.9	2545.5	2614.5	2675.2	2689.3	2765.3	2749.1	2788.3	2816.0	2796.1	2778.6
60°	2890.2	3020.5	3137.8	3260.6	3360.4	3435.2	3534.1	3600.8	3642.7	3718.1	3724.1
62.5°	3055.2	3232.2	3381.2	3523.6	3642.1	3745.8	3835.1	3927.1	4002.5	4070.7	4119.8
65°	2964.7	3149.6	3330.2	3474.7	3588.7	3678.0	3775.1	3848.1	3922.3	3966.0	4017.6
67.5°	2464.7	2709.6	2931.8	3094.7	3250.6	3341.4	3456.3	3528.1	3606.8	3652.9	3686.1
70°	1606.9	1925.7	2229.4	2476.4	2686.9	2792.8	2931.5	3029.5	3124.2	3126.7	3181.9
72.5°	867.1	1133.7	1388.0	1640.4	1880.5	2021.3	2158.2	2277.4	2371.5	2331.3	2386.2
75°	482.9	607.7	746.8	898.5	1044.7	1125.3	1227.5	1228.1	1276.7	1200.4	1219.7
77.5°	464.5	458.7	460.8	465.1	472.3	456.9	456.6	447.3	432.8	406.6	411.1
80°	610.1	537.1	484.7	402.3	323.9	264.2	247.6	251.5	263.3	286.8	316.7
82.5°	882.2	820.6	732.6	602.9	473.2	364.9	299.8	266.0	264.5	288.0	333.3
85°	642.4	679.5	673.8	562.5	463.9	376.7	274.2	231.6	191.8	182.5	198.5
87.5°	94.7	78.4	88.4	73.9	53.7	41.6	36.5	29.3	28.0	28.7	31.4
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	442.1	440.9	439.7	440.6	439.7	439.4	438.5	437.9	437.6	437.6	437.6
5°	455.7	454.2	453.3	453.0	452.1	451.2	450.9	449.4	449.1	449.1	448.2
7.5°	474.1	472.9	471.4	470.5	469.9	468.4	466.9	466.6	466.3	465.1	464.2
10°	495.5	493.7	491.9	491.9	490.7	490.4	488.9	486.8	486.5	484.7	484.1
12.5°	515.7	515.1	513.0	512.4	511.5	510.6	509.7	508.8	507.9	506.4	507.0
15°	539.9	538.4	536.5	536.8	536.5	535.3	534.1	533.2	532.6	532.0	532.0
17.5°	568.8	568.2	567.9	566.4	565.2	566.1	566.1	566.1	564.6	564.9	565.2
20°	605.6	606.2	605.6	604.4	604.1	605.0	602.9	606.2	604.4	603.2	603.8
22.5°	646.3	648.4	646.0	646.3	647.8	648.4	646.3	649.0	648.1	646.3	647.8
25°	690.7	692.2	691.0	690.7	691.6	693.7	693.4	693.1	695.2	693.4	694.3
27.5°	736.2	737.1	737.7	738.6	739.2	738.9	740.1	740.1	741.3	739.2	740.1
30°	781.4	781.4	782.6	783.9	783.9	783.9	786.3	786.6	784.8	785.4	783.2
32.5°	829.7	830.0	831.2	831.2	833.6	833.9	836.6	833.0	836.6	833.6	834.2
35°	886.4	890.3	890.9	893.9	896.3	897.3	897.3	897.6	900.9	898.5	899.4
37.5°	919.6	920.5	922.9	924.4	924.4	925.6	926.5	925.6	926.5	926.2	927.1
40°	958.8	957.9	960.6	961.2	960.0	961.5	961.2	960.3	962.7	960.9	962.1
42.5°	1006.4	1001.3	1001.0	1003.4	1001.0	1002.2	1001.9	999.8	1002.8	1003.7	1002.8
45°	1057.4	1054.7	1049.3	1049.3	1046.8	1045.9	1046.2	1045.9	1046.2	1049.9	1051.1
47.5°	1140.3	1123.8	1114.4	1105.7	1098.4	1098.1	1094.8	1096.6	1099.0	1105.1	1110.5
50°	1279.4	1241.1	1217.5	1195.8	1180.2	1174.7	1168.4	1167.8	1169.9	1176.8	1186.2
52.5°	1527.3	1474.2	1424.1	1377.7	1337.3	1306.2	1290.8	1282.7	1279.7	1286.6	1295.7
55°	1980.9	1880.8	1810.2	1763.1	1662.7	1620.2	1565.6	1540.6	1516.1	1518.5	1533.9
57.5°	2756.0	2702.0	2642.9	2560.6	2499.0	2424.8	2288.5	2212.5	2215.8	2233.6	2178.1
60°	3771.8	3717.2	3692.8	3618.0	3575.1	3545.3	3472.9	3346.8	3302.2	3293.7	3191.8
62.5°	4157.5	4170.5	4189.8	4210.9	4209.7	4222.7	4159.3	4118.3	4066.7	3999.8	3899.1
65°	4056.8	4089.7	4128.9	4185.6	4250.1	4297.8	4337.9	4333.0	4284.8	4195.5	4089.1
67.5°	3715.7	3748.3	3776.9	3852.9	3958.8	4055.6	4141.2	4199.4	4167.2	4093.3	3969.0
70°	3203.0	3226.5	3244.6	3310.6	3426.7	3545.0	3656.9	3754.6	3744.6	3655.1	3555.8
72.5°	2320.8	2377.8	2408.6	2404.0	2475.8	2608.2	2623.9	2707.4	2730.7	2634.2	2476.1
75°	1130.7	1131.6	1096.0	1084.2	1087.9	1110.8	1067.1	1069.8	1054.7	986.2	929.8
77.5°	395.1	384.2	358.3	327.5	283.5	242.2	200.3	182.2	176.1	158.3	146.0
80°	340.5	356.5	351.4	326.0	279.6	222.9	166.5	123.4	105.3	98.9	92.9
82.5°	386.6	448.2	487.4	485.3	421.6	316.7	197.5	113.4	80.8	70.9	65.1
85°	215.6	231.9	236.5	215.3	178.8	122.1	68.2	48.0	40.7	37.1	33.5
87.5°	34.4	31.4	30.8	26.8	25.3	23.2	20.5	19.3	17.8	16.9	16.9
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°	91°	92°	93°	94°	95°	96°	97°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	437.3	437.0	436.1	435.2	434.6	434.3	434.0	433.4	433.1	432.8	432.2
5°	447.6	447.0	445.5	444.0	443.3	442.4	441.5	440.9	440.3	440.0	438.8
7.5°	463.6	463.0	461.1	459.9	459.6	457.2	456.9	456.0	454.5	454.2	452.4
10°	482.9	482.6	481.0	480.1	479.5	478.3	476.5	475.0	473.5	473.5	472.3
12.5°	505.2	504.0	504.9	502.8	502.2	501.0	500.0	499.7	497.9	496.4	496.1
15°	531.4	529.9	529.9	529.3	528.7	527.5	527.2	527.5	525.7	526.3	524.5
17.5°	564.0	564.6	564.3	564.3	562.8	562.8	560.4	563.4	561.3	562.8	562.2
20°	604.7	605.0	604.4	605.3	605.9	605.6	605.3	605.0	605.9	607.1	606.2
22.5°	648.1	648.1	647.8	651.1	647.5	650.2	651.1	649.3	654.2	653.6	654.5
25°	695.2	695.2	697.6	700.3	700.9	698.8	700.0	698.5	701.5	703.9	704.5
27.5°	738.9	742.8	744.6	742.8	744.3	747.7	747.4	747.4	749.5	748.9	754.6
30°	783.9	786.3	788.7	787.5	788.1	792.3	792.6	792.9	795.6	799.5	803.8
32.5°	835.1	837.5	836.3	840.3	839.9	845.1	846.0	846.9	855.3	853.8	862.6
35°	898.2	900.6	899.4	903.6	903.0	904.8	908.1	911.7	913.2	922.0	928.9
37.5°	927.7	927.7	930.4	935.3	937.1	940.1	945.2	949.7	957.3	966.6	977.5
40°	963.3	964.2	967.8	973.0	976.3	983.2	992.6	998.9	1010.4	1020.6	1033.3
42.5°	1006.4	1010.4	1014.6	1021.5	1028.7	1039.6	1052.9	1061.0	1076.1	1089.4	1105.1
45°	1056.8	1060.7	1070.7	1083.3	1093.9	1106.0	1116.8	1136.1	1149.7	1163.6	1177.1
47.5°	1117.7	1129.2	1137.3	1152.4	1165.4	1181.4	1194.9	1213.0	1227.8	1244.7	1256.2
50°	1195.8	1210.0	1220.6	1240.2	1252.8	1270.6	1287.8	1301.4	1316.5	1333.1	1342.4
52.5°	1308.0	1322.5	1335.8	1360.2	1375.9	1388.0	1410.9	1427.8	1441.6	1453.7	1464.0
55°	1551.1	1546.9	1583.7	1631.0	1636.5	1680.2	1688.3	1702.5	1728.2	1731.8	1760.4
57.5°	2245.7	2224.0	2277.4	2346.7	2334.7	2312.6	2404.6	2410.4	2397.4	2432.1	2392.9
60°	3206.9	3168.9	3183.4	3202.4	3174.9	3161.9	3166.5	3179.4	3166.8	3152.9	3114.9
62.5°	3848.7	3790.2	3748.3	3713.0	3668.3	3636.1	3599.9	3555.2	3543.2	3492.5	3450.0
65°	3985.6	3894.5	3828.2	3761.5	3700.0	3643.0	3588.4	3550.1	3499.4	3439.4	3395.1
67.5°	3835.1	3722.3	3625.2	3528.4	3458.7	3374.9	3333.9	3271.4	3209.0	3140.2	3099.5
70°	3397.8	3280.2	3158.0	3063.3	2968.6	2864.9	2844.7	2770.8	2734.9	2641.1	2624.8
72.5°	2345.2	2266.8	2212.2	2095.2	2037.6	1984.5	1967.6	1899.2	1906.4	1803.6	1841.0
75°	833.9	822.8	806.8	740.7	729.0	708.5	703.0	698.2	747.1	679.2	728.4
77.5°	143.3	142.4	134.2	130.3	137.8	133.0	134.2	131.8	146.0	148.1	144.8
80°	89.0	86.6	83.8	82.0	82.3	80.5	80.8	81.4	82.3	82.0	82.9
82.5°	60.9	58.8	57.6	56.4	58.2	58.8	60.3	61.8	64.2	65.7	67.6
85°	33.2	30.5	30.5	30.2	32.6	34.4	36.8	39.8	44.0	47.7	51.6
87.5°	16.9	16.3	16.6	17.2	19.3	20.8	23.8	26.5	30.2	34.1	37.7
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	431.9	431.9	431.6	431.6	431.3	431.0	430.7	429.8	426.5	423.4	421.3
5°	438.5	437.6	437.3	436.4	436.1	435.5	434.6	433.7	427.7	422.2	418.3
7.5°	452.1	450.9	450.3	449.4	448.5	447.3	446.1	445.2	437.9	431.6	426.8
10°	469.9	469.3	469.0	467.8	467.8	466.0	465.7	463.6	455.7	450.0	445.8
12.5°	494.6	493.4	493.1	491.6	492.2	491.6	491.0	489.8	484.1	477.4	471.7
15°	525.4	525.4	523.9	522.7	523.0	522.4	523.6	522.1	518.4	512.4	503.1
17.5°	562.5	561.9	562.5	561.6	562.2	562.8	561.3	561.6	559.8	552.2	538.4
20°	605.6	604.7	608.3	606.8	610.1	607.1	607.7	608.6	608.6	598.7	580.0
22.5°	655.1	654.5	654.5	657.5	658.7	659.0	660.2	661.1	663.5	650.8	621.0
25°	704.5	706.6	706.9	710.9	712.7	712.7	713.6	716.9	724.1	706.6	668.0
27.5°	754.9	760.0	761.2	763.9	766.7	769.4	771.5	773.9	785.7	766.7	716.3
30°	805.3	811.0	815.2	818.2	821.6	828.2	829.4	834.2	853.8	830.6	762.1
32.5°	864.4	872.5	877.9	881.9	887.0	893.3	897.0	903.0	922.0	884.0	795.6
35°	935.0	939.8	947.6	954.3	957.3	968.1	973.9	975.4	989.8	930.1	820.3
37.5°	983.8	992.0	1005.5	1014.9	1020.3	1026.3	1036.0	1042.3	1056.2	972.0	832.7
40°	1045.9	1058.3	1069.2	1083.0	1091.8	1096.3	1106.0	1111.1	1112.9	1007.9	828.8
42.5°	1121.6	1132.8	1147.3	1158.4	1165.1	1170.2	1178.0	1180.2	1156.6	1024.8	807.7
45°	1192.8	1210.0	1222.4	1230.5	1235.3	1238.1	1242.9	1243.2	1192.8	1016.4	771.5
47.5°	1269.4	1281.8	1293.2	1299.0	1298.4	1299.0	1297.2	1296.0	1210.9	987.1	725.0
50°	1354.2	1362.3	1367.1	1369.9	1371.4	1365.6	1357.5	1352.1	1212.4	945.5	678.0
52.5°	1467.9	1478.1	1477.2	1476.9	1464.9	1459.4	1437.7	1426.6	1203.7	896.6	624.9
55°	1755.9	1745.9	1726.3	1736.0	1686.8	1661.2	1627.4	1596.1	1215.1	850.2	563.4
57.5°	2408.6	2412.5	2356.7	2326.8	2243.9	2140.1	2056.6	1975.5	1318.3	821.9	483.2
60°	3089.6	3038.3	2967.4	2859.4	2752.7	2598.6	2449.9	2309.3	1421.1	792.3	388.2
62.5°	3386.9	3314.0	3206.9	3067.2	2899.6	2711.1	2525.9	2354.6	1371.4	696.7	282.3
65°	3326.6	3215.0	3096.8	2933.3	2729.5	2522.9	2306.6	2131.7	1147.3	519.7	174.0
67.5°	3011.1	2916.4	2791.6	2597.7	2379.6	2164.6	1966.4	1770.4	852.3	323.9	97.4
70°	2541.6	2449.0	2322.3	2123.8	1906.1	1700.4	1490.5	1330.6	543.2	156.2	70.3
72.5°	1763.1	1688.0	1598.5	1457.0	1266.1	1079.1	937.1	814.3	301.0	82.9	64.2
75°	716.0	716.3	700.0	640.3	541.1	466.6	397.8	337.5	125.8	70.6	63.3
77.5°	162.3	165.0	180.4	171.0	154.1	144.2	129.1	114.0	76.6	72.7	63.9
80°	82.0	82.3	81.4	81.7	80.8	81.1	79.9	79.0	71.8	74.8	63.9
82.5°	68.5	70.0	69.7	69.7	70.0	70.0	70.0	69.7	74.5	78.7	61.8
85°	54.3	57.3	59.7	62.1	64.8	66.7	67.6	68.5	72.4	77.5	56.1
87.5°	41.0	44.6	47.7	50.1	54.3	54.3	57.3	59.4	59.4	60.6	29.6
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):

	145°	155°	165°	175°	180°
0°	433.1	433.1	433.1	433.1	433.1
2.5°	418.3	417.1	415.9	415.3	414.1
5°	415.3	412.9	411.4	411.4	410.2
7.5°	424.0	423.1	421.0	419.8	421.0
10°	442.7	441.2	438.8	437.0	437.9
12.5°	467.8	461.7	456.9	454.8	453.3
15°	493.7	481.7	472.0	466.6	465.1
17.5°	521.5	500.4	485.9	477.7	476.2
20°	549.8	523.6	503.1	492.5	492.2
22.5°	583.9	548.9	522.7	508.8	507.9
25°	619.8	571.5	536.8	519.0	517.2
27.5°	650.8	589.6	545.6	524.5	522.7
30°	676.8	603.2	552.8	528.4	526.0
32.5°	695.5	611.0	555.8	529.6	526.9
35°	701.5	608.0	547.4	518.7	515.7
37.5°	693.4	588.4	523.9	492.2	488.6
40°	668.9	554.0	485.6	453.0	448.5
42.5°	631.5	511.8	439.4	408.4	402.6
45°	585.4	464.2	393.6	358.9	356.2
47.5°	537.1	414.1	342.0	310.6	307.3
50°	485.0	356.2	291.6	257.6	257.6
52.5°	422.8	299.8	233.1	207.5	205.4
55°	351.4	236.2	185.8	166.2	163.5
57.5°	274.5	181.6	148.4	136.9	133.9
60°	201.8	136.3	119.4	113.1	111.9
62.5°	136.9	103.7	96.2	93.5	93.2
65°	92.6	80.8	78.7	77.8	78.1
67.5°	71.2	67.3	66.4	66.0	66.0
70°	61.8	59.4	58.5	58.8	58.5
72.5°	58.2	54.9	55.2	55.8	55.5
75°	57.0	52.8	54.0	54.3	53.1
77.5°	56.1	50.4	53.4	54.3	51.0
80°	54.3	48.3	55.5	55.8	50.1
82.5°	49.8	42.8	55.5	51.3	45.2
85°	42.2	32.6	62.7	44.6	33.5
87.5°	26.8	19.3	42.5	30.5	20.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)