

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: P159189

Luminaire Tested: **VTS-E02-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159189
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-E02-LED-E1-T2-7030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5638.5 lumens
Efficiency: N/A
Efficacy: 108.2 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

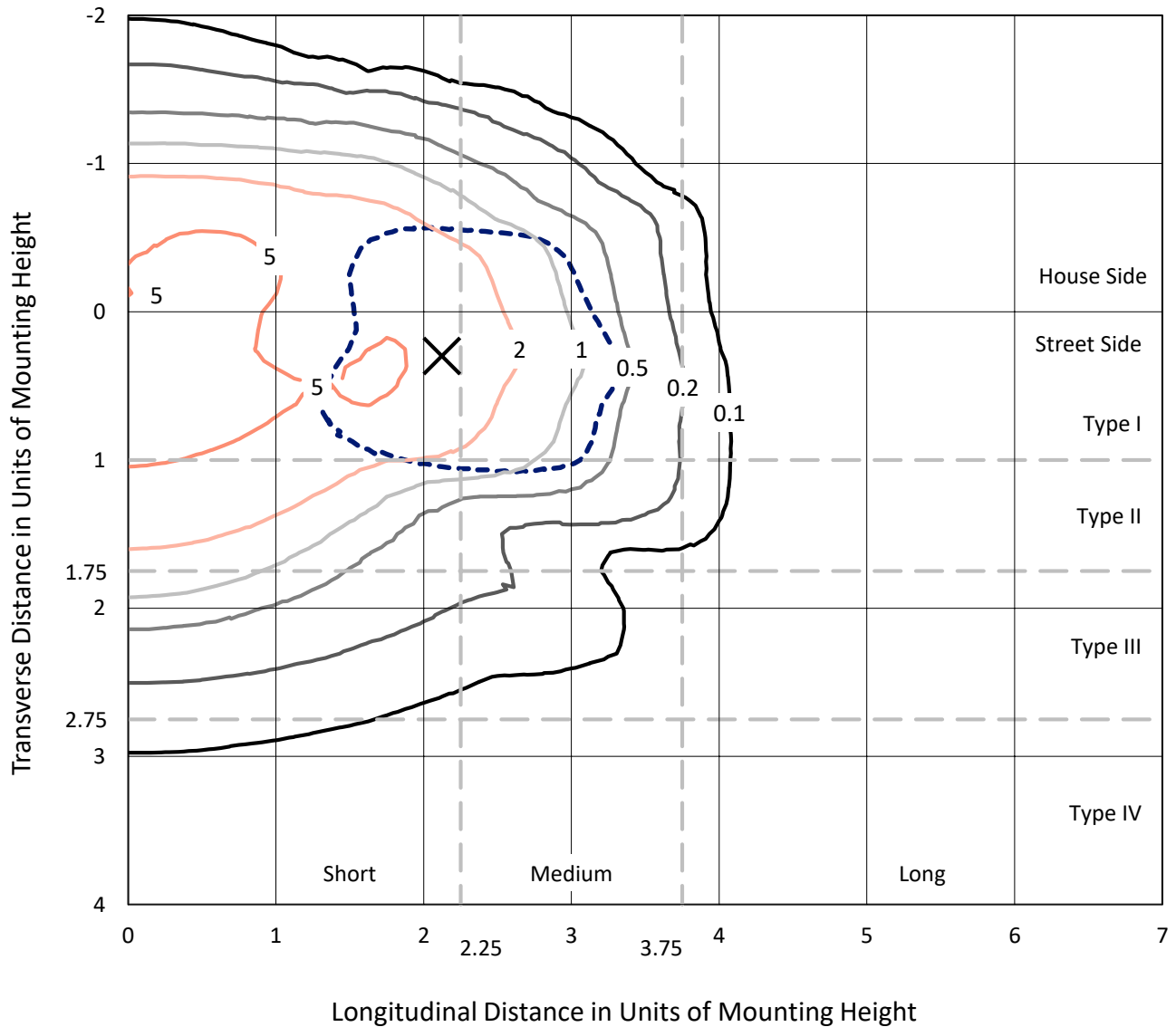
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

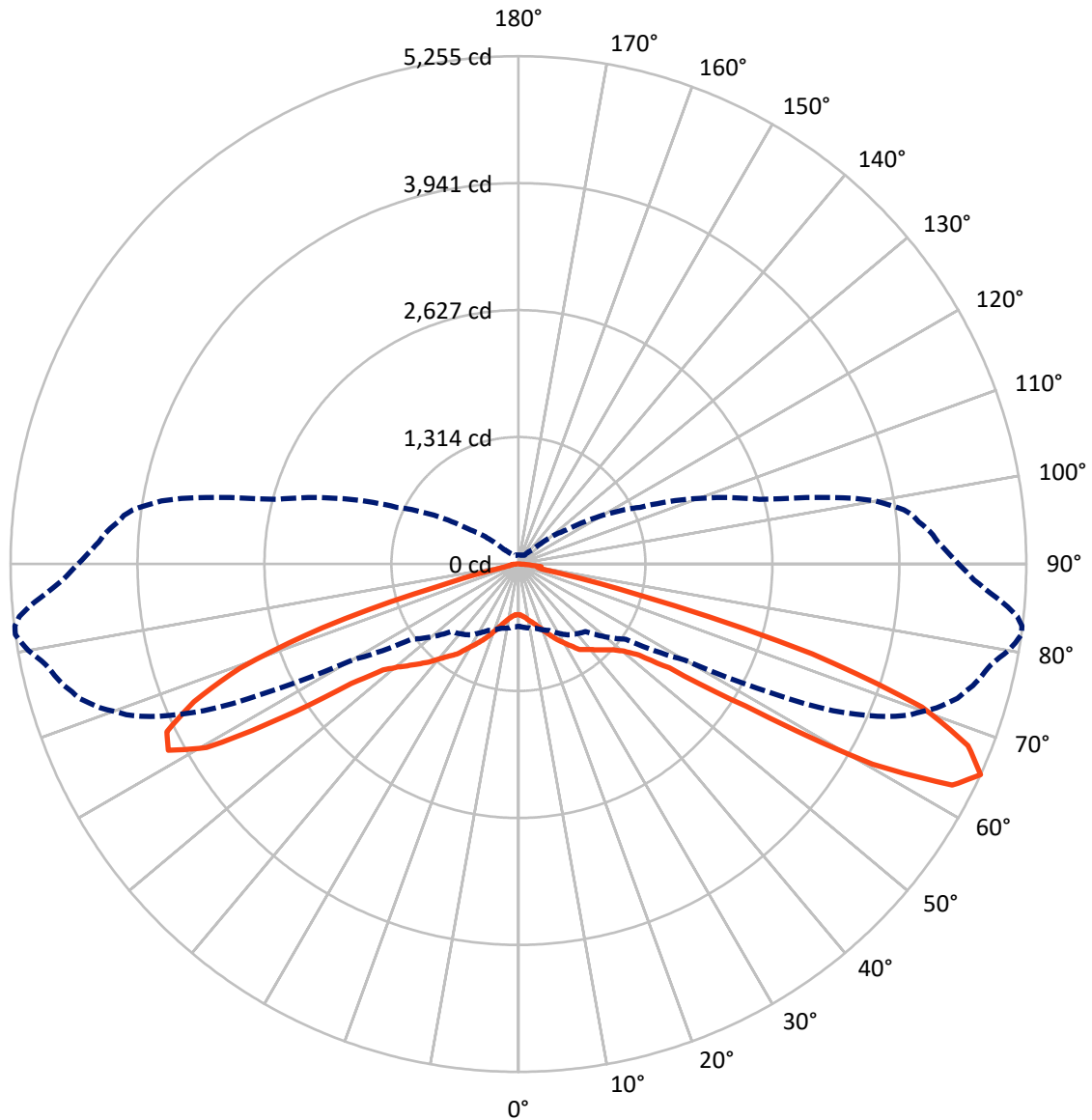


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Semi-Cutoff

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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	2099.4	0.0	2099.4
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	3539.1	0.0	3539.1
	% Fixture	62.8	0.0	62.8
Total	Lumens	5638.5	0.0	5638.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	0.9
10°-20°	186.6	3.3
20°-30°	369.8	6.6
30°-40°	633.9	11.2
40°-50°	952.3	16.9
50°-60°	1323.0	23.5
60°-70°	1509.3	26.8
70°-80°	519.9	9.2
80°-90°	90.6	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°	5638.5	100.0
0°-180°	5638.5	100.0



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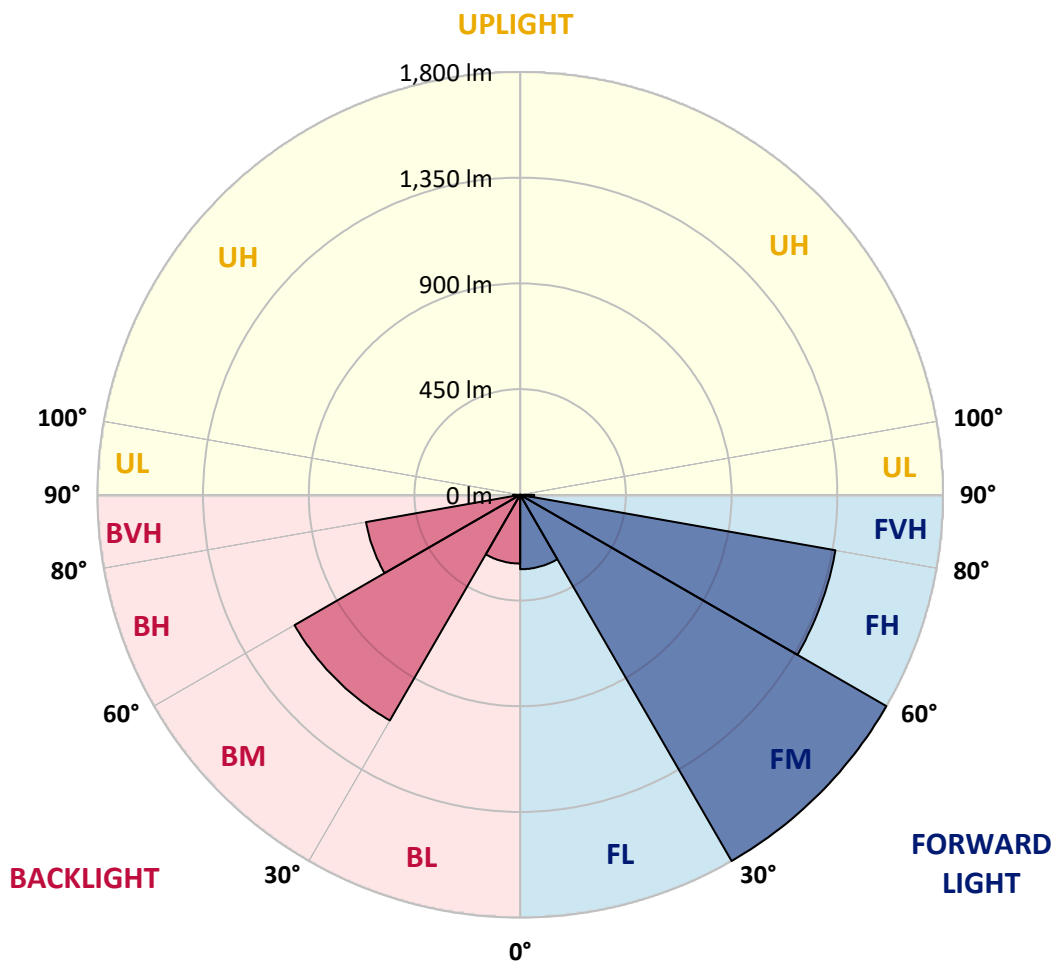
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.8	5.6			
FM	(30°-60°)	1799.9	31.9			
FH	(60°-80°)	1362.8	24.2			G1/1800
FVH	(80°-90°)	59.7	1.1			G1/100
BL	(0°-30°)	292.7	5.2	B1/500		
BM	(30°-60°)	1109.2	19.7	B2/2500		
BH	(60°-80°)	666.5	11.8	B2/1000		G2/1000
BVH	(80°-90°)	31.0	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°	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6
2.5°	553.1	553.5	553.1	552.0	551.7	548.4	544.7	542.9	542.5	541.1	541.4
5°	587.5	586.4	584.9	583.1	581.3	575.8	569.6	566.3	565.2	564.1	562.6
7.5°	618.2	618.9	618.2	615.6	610.8	603.9	595.9	590.8	590.4	589.3	588.2
10°	657.6	659.4	655.1	650.7	644.1	633.5	624.4	617.8	616.7	615.2	614.5
12.5°	700.4	700.7	699.3	689.4	678.4	663.8	650.7	644.1	642.6	640.8	640.1
15°	746.0	746.4	738.4	728.9	712.0	694.5	676.2	668.9	667.1	667.5	664.6
17.5°	782.2	782.9	775.3	763.2	743.1	722.3	702.5	696.7	695.6	696.0	694.5
20°	797.9	799.0	794.2	785.1	766.1	747.9	733.6	729.9	729.6	728.9	731.8
22.5°	797.2	797.5	795.7	792.1	780.7	770.1	768.3	770.5	770.1	770.9	773.4
25°	790.6	791.7	791.3	792.8	791.0	795.0	803.4	811.1	812.2	813.6	818.4
27.5°	807.4	809.6	807.0	808.5	811.4	824.9	842.1	853.8	856.0	860.0	864.0
30°	873.2	870.2	867.0	863.3	865.1	873.5	892.9	903.1	904.2	907.1	912.6
32.5°	970.7	967.4	964.5	958.7	957.2	953.5	960.1	962.7	962.3	965.2	966.7
35°	1080.7	1081.0	1080.3	1084.7	1088.3	1069.7	1046.7	1040.5	1043.0	1039.8	1040.5
37.5°	1174.6	1175.7	1195.0	1219.1	1226.1	1214.4	1164.0	1139.1	1130.7	1129.6	1121.2
40°	1278.7	1278.7	1307.9	1337.5	1356.9	1371.5	1311.6	1267.7	1249.8	1244.7	1223.9
42.5°	1393.0	1387.2	1413.9	1446.4	1482.2	1515.4	1484.4	1435.1	1409.5	1400.3	1363.8
45°	1486.9	1483.3	1496.4	1526.8	1584.8	1649.9	1654.3	1629.1	1613.7	1594.7	1561.1
47.5°	1544.7	1542.8	1550.5	1583.4	1656.1	1761.3	1820.1	1832.9	1823.8	1809.2	1776.6
50°	1567.3	1564.8	1570.2	1606.8	1688.2	1827.1	1957.1	2017.4	2021.8	2025.1	2014.9
52.5°	1559.3	1556.0	1567.3	1598.0	1682.8	1850.1	2064.2	2180.0	2199.3	2215.8	2249.4
55°	1482.2	1477.1	1507.8	1565.5	1659.0	1841.7	2142.4	2336.4	2377.3	2421.1	2495.6
57.5°	1364.2	1359.8	1404.0	1483.3	1617.0	1818.7	2195.0	2534.0	2626.1	2705.0	2916.5
60°	1250.6	1246.9	1272.8	1349.6	1480.7	1706.5	2129.9	2600.5	2755.0	2925.3	3311.4
62.5°	1047.4	1037.6	1072.3	1136.9	1219.9	1411.7	1846.1	2452.5	2690.7	2941.0	3464.5
65°	643.7	658.0	687.9	759.5	895.4	986.8	1355.8	1984.2	2298.4	2612.2	3291.3
67.5°	408.8	412.8	435.1	484.8	590.0	681.7	821.6	1245.1	1487.3	1796.0	2584.1
70°	350.4	352.9	371.9	423.8	496.5	609.4	621.8	650.3	737.3	933.8	1519.1
72.5°	276.2	280.6	295.6	340.5	428.2	549.5	767.6	514.0	496.5	512.9	741.3
75°	164.4	169.5	181.9	206.4	275.1	420.1	804.1	598.1	557.5	525.7	511.5
77.5°	87.0	83.3	91.7	105.9	141.4	224.0	604.3	732.9	704.4	666.4	585.6
80°	43.1	44.6	47.1	50.1	63.2	91.0	302.1	758.1	840.3	876.8	805.2
82.5°	17.2	19.4	27.4	29.2	34.7	38.7	97.2	420.1	601.7	816.2	1065.7
85°	8.8	8.4	14.6	17.5	20.5	18.3	34.3	156.7	282.0	439.5	712.0
87.5°	1.1	1.5	3.3	4.4	6.2	5.8	9.9	34.0	54.1	76.7	107.8
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6
2.5°	539.6	539.2	539.2	537.8	537.8	538.1	537.0	536.3	536.3	536.7	535.2
5°	561.5	560.4	560.4	559.0	557.1	557.1	555.7	555.3	554.6	553.1	552.0
7.5°	587.1	586.0	584.2	583.1	582.4	581.3	579.4	578.7	577.2	575.8	574.3
10°	613.4	611.9	611.2	609.4	608.7	606.5	605.4	605.7	602.8	601.7	602.1
12.5°	639.7	638.2	635.7	635.0	634.6	632.4	631.3	630.6	628.4	628.0	626.9
15°	663.1	663.8	662.7	660.9	659.4	659.1	658.0	657.2	655.8	654.3	652.9
17.5°	693.4	694.5	693.1	690.5	690.5	690.1	690.5	690.1	687.6	688.7	687.9
20°	732.1	732.9	729.2	730.3	731.0	730.7	731.8	732.9	732.1	732.1	733.2
22.5°	776.7	777.8	775.6	777.1	779.3	777.4	780.7	780.4	781.1	782.2	782.6
25°	822.4	824.6	822.7	826.8	825.3	826.8	830.8	829.7	831.5	834.4	835.5
27.5°	868.0	869.5	869.9	872.4	875.0	877.2	882.3	882.3	883.8	888.9	888.9
30°	915.9	917.4	918.8	922.5	923.9	928.0	933.1	934.5	933.8	941.1	943.3
32.5°	971.1	972.5	975.1	979.5	981.3	985.3	985.3	989.3	992.3	998.5	998.8
35°	1044.5	1045.6	1044.5	1044.1	1046.7	1052.2	1052.5	1058.4	1060.9	1067.2	1069.0
37.5°	1117.9	1117.6	1112.8	1107.7	1108.1	1105.9	1104.4	1107.0	1108.1	1108.4	1112.5
40°	1216.9	1207.4	1200.1	1187.4	1181.5	1172.4	1166.9	1166.5	1160.7	1160.0	1161.1
42.5°	1346.6	1335.7	1318.5	1297.0	1280.5	1263.7	1251.3	1244.0	1231.2	1224.6	1219.1
45°	1527.9	1500.8	1480.4	1454.8	1423.0	1393.8	1363.1	1349.2	1324.7	1309.7	1292.9
47.5°	1749.2	1722.6	1691.2	1664.9	1623.2	1582.7	1540.6	1503.7	1461.0	1427.0	1399.3
50°	1989.6	1973.9	1951.3	1926.8	1873.1	1846.4	1793.5	1743.4	1697.4	1636.7	1583.7
52.5°	2236.2	2245.4	2240.3	2231.5	2197.5	2187.3	2141.6	2080.6	2034.2	1992.6	1900.5
55°	2540.2	2551.2	2573.1	2585.9	2581.9	2607.8	2596.5	2549.0	2530.3	2511.0	2445.6
57.5°	3005.3	3083.5	3167.1	3240.6	3257.7	3349.8	3330.1	3377.6	3411.2	3387.1	3365.9
60°	3501.1	3658.9	3801.0	3949.7	4070.6	4161.2	4281.1	4361.8	4412.6	4503.9	4511.2
62.5°	3700.9	3915.4	4095.8	4268.3	4411.8	4537.5	4645.7	4757.1	4848.4	4931.0	4990.5
65°	3591.3	3815.2	4034.1	4209.1	4347.2	4455.3	4573.0	4661.4	4751.2	4804.2	4866.7
67.5°	2985.6	3282.2	3551.5	3748.8	3937.6	4047.6	4186.8	4273.7	4369.1	4425.0	4465.2
70°	1946.5	2332.7	2700.6	2999.8	3254.8	3383.0	3551.1	3669.8	3784.6	3787.5	3854.3
72.5°	1050.4	1373.3	1681.3	1987.1	2277.9	2448.5	2614.4	2758.7	2872.7	2824.1	2890.6
75°	584.9	736.2	904.6	1088.3	1265.5	1363.1	1486.9	1487.7	1546.5	1454.1	1477.4
77.5°	562.6	555.7	558.2	563.4	572.1	553.5	553.1	541.8	524.3	492.5	498.0
80°	739.1	650.7	587.1	487.4	392.4	320.0	299.9	304.7	318.9	347.4	383.6
82.5°	1068.6	994.1	887.4	730.3	573.2	442.1	363.1	322.2	320.4	348.9	403.7
85°	778.2	823.1	816.2	681.4	561.9	456.3	332.1	280.6	232.4	221.0	240.4
87.5°	114.7	95.0	107.0	89.5	65.0	50.4	44.2	35.4	34.0	34.7	38.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6
2.5°	535.6	534.1	532.7	533.8	532.7	532.3	531.2	530.5	530.1	530.1	530.1
5°	552.0	550.2	549.1	548.7	547.6	546.5	546.2	544.4	544.0	544.0	542.9
7.5°	574.3	572.9	571.0	569.9	569.2	567.4	565.5	565.2	564.8	563.4	562.3
10°	600.3	598.1	595.9	595.9	594.4	594.0	592.2	589.7	589.3	587.1	586.4
12.5°	624.7	624.0	621.4	620.7	619.6	618.5	617.4	616.3	615.2	613.4	614.1
15°	654.0	652.1	649.9	650.3	649.9	648.5	647.0	645.9	645.2	644.5	644.5
17.5°	689.0	688.3	687.9	686.1	684.6	685.7	685.7	685.7	683.9	684.3	684.6
20°	733.6	734.3	733.6	732.1	731.8	732.9	730.3	734.3	732.1	730.7	731.4
22.5°	782.9	785.5	782.6	782.9	784.8	785.5	782.9	786.2	785.1	782.9	784.8
25°	836.6	838.5	837.0	836.6	837.7	840.3	839.9	839.6	842.1	839.9	841.0
27.5°	891.8	892.9	893.6	894.7	895.4	895.1	896.5	896.5	898.0	895.4	896.5
30°	946.6	946.6	948.1	949.5	949.5	949.5	952.4	952.8	950.6	951.3	948.8
32.5°	1005.1	1005.4	1006.9	1006.9	1009.8	1010.2	1013.5	1009.1	1013.5	1009.8	1010.5
35°	1073.7	1078.5	1079.2	1082.9	1085.8	1086.9	1086.9	1087.3	1091.3	1088.3	1089.4
37.5°	1113.9	1115.0	1117.9	1119.8	1119.8	1121.2	1122.3	1121.2	1122.3	1122.0	1123.1
40°	1161.4	1160.3	1163.6	1164.3	1162.9	1164.7	1164.3	1163.2	1166.2	1164.0	1165.4
42.5°	1219.1	1212.9	1212.6	1215.5	1212.6	1214.0	1213.7	1211.1	1214.8	1215.9	1214.8
45°	1280.9	1277.6	1271.0	1271.0	1268.1	1267.0	1267.4	1267.0	1267.4	1271.7	1273.2
47.5°	1381.4	1361.3	1349.9	1339.3	1330.6	1330.2	1326.2	1328.4	1331.3	1338.6	1345.2
50°	1549.8	1503.4	1474.9	1448.6	1429.6	1423.0	1415.3	1414.6	1417.2	1425.6	1436.9
52.5°	1850.1	1785.8	1725.1	1668.9	1619.9	1582.3	1563.7	1553.8	1550.1	1558.5	1569.5
55°	2399.6	2278.3	2192.8	2135.8	2014.1	1962.6	1896.5	1866.2	1836.6	1839.5	1858.1
57.5°	3338.5	3273.1	3201.5	3101.7	3027.2	2937.3	2772.2	2680.1	2684.2	2705.7	2638.5
60°	4568.9	4502.8	4473.2	4382.6	4330.7	4294.6	4206.9	4054.2	4000.1	3989.9	3866.4
62.5°	5036.2	5051.9	5075.3	5100.9	5099.4	5115.1	5038.4	4988.7	4926.2	4845.1	4723.1
65°	4914.2	4954.0	5001.5	5070.2	5148.4	5206.1	5254.7	5248.8	5190.4	5082.2	4953.3
67.5°	4501.0	4540.4	4575.2	4667.2	4795.5	4912.7	5016.5	5087.0	5047.9	4958.4	4807.9
70°	3879.9	3908.4	3930.3	4010.3	4151.0	4294.2	4429.7	4548.1	4536.1	4427.6	4307.4
72.5°	2811.3	2880.3	2917.6	2912.1	2999.1	3159.5	3178.5	3279.7	3307.8	3190.9	2999.4
75°	1369.7	1370.8	1327.6	1313.4	1317.8	1345.5	1292.6	1295.9	1277.6	1194.7	1126.3
77.5°	478.6	465.4	434.0	396.8	343.4	293.4	242.6	220.7	213.4	191.8	176.8
80°	412.5	431.8	425.6	394.9	338.7	270.0	201.7	149.4	127.5	119.8	112.5
82.5°	468.4	542.9	590.4	587.8	510.7	383.6	239.3	137.4	97.9	85.9	78.9
85°	261.2	280.9	286.4	260.9	216.6	148.0	82.6	58.1	49.3	44.9	40.6
87.5°	41.6	38.0	37.3	32.5	30.7	28.1	24.8	23.4	21.6	20.5	20.5
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6
2.5°	529.7	529.4	528.3	527.2	526.5	526.1	525.7	525.0	524.6	524.3	523.5
5°	542.2	541.4	539.6	537.8	537.0	536.0	534.9	534.1	533.4	533.0	531.6
7.5°	561.5	560.8	558.6	557.1	556.8	553.9	553.5	552.4	550.6	550.2	548.0
10°	584.9	584.5	582.7	581.6	580.9	579.4	577.2	575.4	573.6	573.6	572.1
12.5°	611.9	610.5	611.6	609.0	608.3	606.8	605.7	605.4	603.2	601.3	601.0
15°	643.7	641.9	641.9	641.2	640.4	639.0	638.6	639.0	636.8	637.5	635.3
17.5°	683.2	683.9	683.6	683.6	681.7	681.7	678.8	682.5	679.9	681.7	681.0
20°	732.5	732.9	732.1	733.2	734.0	733.6	733.2	732.9	734.0	735.4	734.3
22.5°	785.1	785.1	784.8	788.8	784.4	787.7	788.8	786.6	792.4	791.7	792.8
25°	842.1	842.1	845.0	848.3	849.1	846.5	848.0	846.1	849.8	852.7	853.4
27.5°	895.1	899.8	902.0	899.8	901.7	905.7	905.3	905.3	907.9	907.1	914.1
30°	949.5	952.4	955.4	953.9	954.6	959.7	960.1	960.5	963.8	968.5	973.6
32.5°	1011.6	1014.5	1013.1	1017.8	1017.5	1023.7	1024.8	1025.9	1036.1	1034.3	1044.9
35°	1088.0	1090.9	1089.4	1094.6	1093.8	1096.0	1100.0	1104.4	1106.2	1116.8	1125.2
37.5°	1123.8	1123.8	1127.1	1132.9	1135.1	1138.8	1145.0	1150.5	1159.6	1170.9	1184.1
40°	1166.9	1168.0	1172.4	1178.6	1182.6	1191.0	1202.3	1210.0	1223.9	1236.3	1251.7
42.5°	1219.1	1223.9	1229.0	1237.4	1246.2	1259.3	1275.4	1285.3	1303.5	1319.6	1338.6
45°	1280.2	1284.9	1297.0	1312.3	1325.1	1339.7	1352.9	1376.2	1392.7	1409.5	1425.9
47.5°	1354.0	1367.8	1377.7	1396.0	1411.7	1431.0	1447.5	1469.4	1487.3	1507.8	1521.6
50°	1448.6	1465.7	1478.5	1502.3	1517.6	1539.2	1560.0	1576.4	1594.7	1614.8	1626.1
52.5°	1584.5	1602.0	1618.1	1647.7	1666.7	1681.3	1709.1	1729.5	1746.3	1760.9	1773.4
55°	1878.9	1873.8	1918.4	1975.8	1982.3	2035.3	2045.2	2062.3	2093.4	2097.8	2132.5
57.5°	2720.3	2694.0	2758.7	2842.7	2828.1	2801.4	2912.9	2919.8	2904.1	2946.1	2898.6
60°	3884.7	3838.6	3856.2	3879.2	3845.9	3830.2	3835.7	3851.4	3836.1	3819.3	3773.2
62.5°	4662.1	4591.2	4540.4	4497.7	4443.6	4404.5	4360.7	4306.6	4292.0	4230.6	4179.1
65°	4828.0	4717.6	4637.3	4556.5	4482.0	4412.9	4346.8	4300.4	4239.0	4166.3	4112.6
67.5°	4645.7	4509.0	4391.4	4274.1	4189.7	4088.2	4038.5	3962.8	3887.2	3803.9	3754.6
70°	4115.9	3973.4	3825.5	3710.8	3596.0	3470.4	3445.9	3356.4	3312.9	3199.3	3179.6
72.5°	2840.9	2745.9	2679.8	2538.0	2468.2	2403.9	2383.5	2300.5	2309.3	2184.7	2230.0
75°	1010.2	996.6	977.3	897.3	883.0	858.2	851.6	845.8	904.9	822.7	882.3
77.5°	173.5	172.4	162.6	157.8	167.0	161.1	162.6	159.7	176.8	179.4	175.4
80°	107.8	104.9	101.6	99.4	99.7	97.5	97.9	98.6	99.7	99.4	100.5
82.5°	73.8	71.2	69.8	68.3	70.5	71.2	73.1	74.9	77.8	79.6	81.8
85°	40.2	36.9	36.9	36.5	39.5	41.6	44.6	48.2	53.3	57.7	62.5
87.5°	20.5	19.7	20.1	20.8	23.4	25.2	28.9	32.1	36.5	41.3	45.7
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°	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6	524.6
2.5°	523.2	523.2	522.8	522.8	522.4	522.1	521.7	520.6	516.6	512.9	510.4
5°	531.2	530.1	529.7	528.6	528.3	527.6	526.5	525.4	518.1	511.5	506.7
7.5°	547.6	546.2	545.5	544.4	543.3	541.8	540.3	539.2	530.5	522.8	517.0
10°	569.2	568.5	568.1	566.6	566.6	564.5	564.1	561.5	552.0	545.1	540.0
12.5°	599.2	597.7	597.3	595.5	596.2	595.5	594.8	593.3	586.4	578.3	571.4
15°	636.4	636.4	634.6	633.1	633.5	632.8	634.2	632.4	628.0	620.7	609.4
17.5°	681.4	680.6	681.4	680.3	681.0	681.7	679.9	680.3	678.1	668.9	652.1
20°	733.6	732.5	736.9	735.1	739.1	735.4	736.2	737.3	737.3	725.2	702.5
22.5°	793.5	792.8	792.8	796.4	797.9	798.3	799.7	800.8	803.7	788.4	752.2
25°	853.4	856.0	856.4	861.1	863.3	863.3	864.4	868.4	877.2	856.0	809.2
27.5°	914.4	920.7	922.1	925.4	928.7	932.0	934.5	937.5	951.7	928.7	867.7
30°	975.5	982.4	987.5	991.2	995.2	1003.2	1004.7	1010.5	1034.3	1006.1	923.2
32.5°	1047.1	1056.9	1063.5	1068.3	1074.5	1082.1	1086.5	1093.8	1116.8	1070.8	963.8
35°	1132.6	1138.4	1147.9	1155.9	1159.6	1172.7	1179.7	1181.5	1199.0	1126.7	993.7
37.5°	1191.7	1201.6	1218.0	1229.4	1235.9	1243.3	1254.9	1262.6	1279.4	1177.5	1008.7
40°	1267.0	1282.0	1295.1	1311.9	1322.5	1328.0	1339.7	1345.9	1348.1	1221.0	1004.0
42.5°	1358.7	1372.2	1389.8	1403.3	1411.3	1417.5	1427.0	1429.6	1401.1	1241.4	978.4
45°	1444.9	1465.7	1480.7	1490.6	1496.4	1499.7	1505.6	1505.9	1444.9	1231.2	934.5
47.5°	1537.7	1552.7	1566.6	1573.5	1572.8	1573.5	1571.3	1569.9	1466.8	1195.8	878.3
50°	1640.4	1650.2	1656.1	1659.4	1661.2	1654.3	1644.4	1637.8	1468.7	1145.3	821.3
52.5°	1778.1	1790.5	1789.4	1789.1	1774.5	1767.9	1741.6	1728.1	1458.1	1086.2	757.0
55°	2127.0	2115.0	2091.2	2102.9	2043.3	2012.3	1971.4	1933.4	1472.0	1029.9	682.5
57.5°	2917.6	2922.4	2854.8	2818.6	2718.1	2592.5	2491.3	2393.0	1596.9	995.6	585.3
60°	3742.5	3680.4	3594.6	3463.8	3334.5	3147.8	2967.7	2797.4	1721.5	959.7	470.2
62.5°	4102.8	4014.4	3884.7	3715.5	3512.4	3284.0	3059.7	2852.2	1661.2	843.9	342.0
65°	4029.7	3894.5	3751.3	3553.3	3306.3	3056.1	2794.1	2582.2	1389.8	629.5	210.8
67.5°	3647.6	3532.8	3381.6	3146.7	2882.5	2622.0	2382.0	2144.5	1032.5	392.4	118.0
70°	3078.7	2966.6	2813.1	2572.7	2308.9	2059.8	1805.5	1611.9	658.0	189.2	85.1
72.5°	2135.8	2044.8	1936.3	1765.0	1533.7	1307.2	1135.1	986.4	364.6	100.5	77.8
75°	867.3	867.7	848.0	775.6	655.4	565.2	481.9	408.8	152.3	85.5	76.7
77.5°	196.6	199.8	218.5	207.1	186.7	174.6	156.4	138.1	92.8	88.0	77.5
80°	99.4	99.7	98.6	99.0	97.9	98.3	96.8	95.7	87.0	90.6	77.5
82.5°	82.9	84.8	84.4	84.4	84.8	84.8	84.8	84.4	90.2	95.4	74.9
85°	65.8	69.4	72.3	75.3	78.5	80.7	81.8	82.9	87.7	93.9	68.0
87.5°	49.7	54.1	57.7	60.6	65.8	65.8	69.4	72.0	72.0	73.4	35.8
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):

	145°	155°	165°	175°	180°
0°	524.6	524.6	524.6	524.6	524.6
2.5°	506.7	505.3	503.8	503.1	501.6
5°	503.1	500.2	498.3	498.3	496.9
7.5°	513.7	512.6	510.0	508.6	510.0
10°	536.3	534.5	531.6	529.4	530.5
12.5°	566.6	559.3	553.5	550.9	549.1
15°	598.1	583.4	571.8	565.2	563.4
17.5°	631.7	606.1	588.6	578.7	576.9
20°	666.0	634.2	609.4	596.6	596.2
22.5°	707.3	664.9	633.1	616.3	615.2
25°	750.8	692.3	650.3	628.8	626.6
27.5°	788.4	714.2	660.9	635.3	633.1
30°	819.8	730.7	669.7	640.1	637.2
32.5°	842.5	740.2	673.3	641.5	638.2
35°	849.8	736.5	663.1	628.4	624.7
37.5°	839.9	712.8	634.6	596.2	591.9
40°	810.3	671.1	588.2	548.7	543.3
42.5°	765.0	620.0	532.3	494.7	487.7
45°	709.1	562.3	476.8	434.8	431.5
47.5°	650.7	501.6	414.3	376.3	372.3
50°	587.5	431.5	353.3	312.0	312.0
52.5°	512.2	363.1	282.4	251.4	248.8
55°	425.6	286.1	225.0	201.3	198.0
57.5°	332.5	219.9	179.7	165.9	162.2
60°	244.4	165.1	144.7	137.0	135.5
62.5°	165.9	125.7	116.5	113.3	112.9
65°	112.2	97.9	95.4	94.3	94.6
67.5°	86.2	81.5	80.4	80.0	80.0
70°	74.9	72.0	70.9	71.2	70.9
72.5°	70.5	66.5	66.9	67.6	67.2
75°	69.0	63.9	65.4	65.8	64.3
77.5°	68.0	61.0	64.7	65.8	61.7
80°	65.8	58.5	67.2	67.6	60.6
82.5°	60.3	51.9	67.2	62.1	54.8
85°	51.1	39.5	76.0	54.1	40.6
87.5°	32.5	23.4	51.5	36.9	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)