

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: P164992

Luminaire Tested: **VTS-F10-LED-E1-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164992
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F10-LED-E1-SL2-HSS
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (70) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14955.7 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

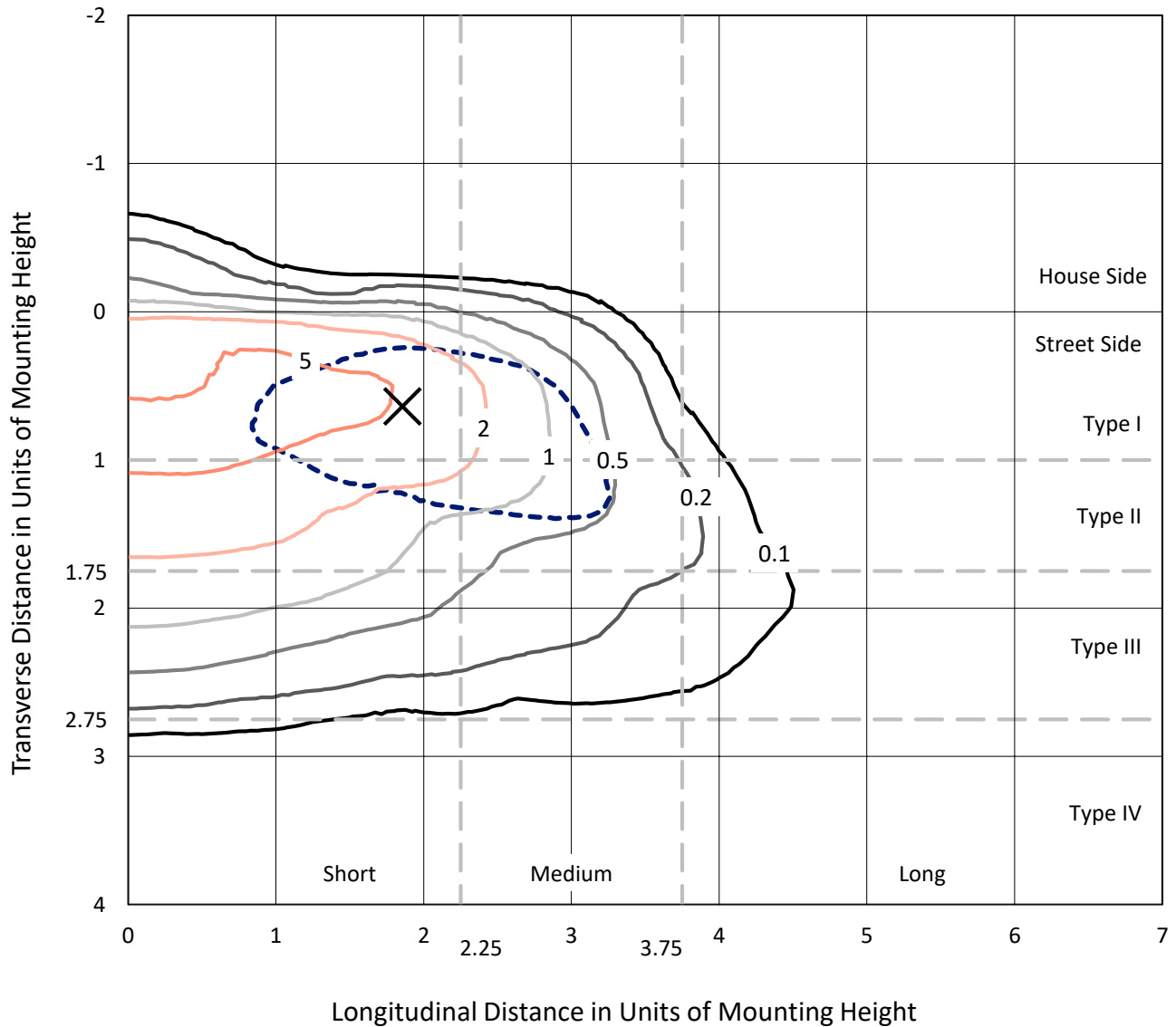
Input Watts (W): 258.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

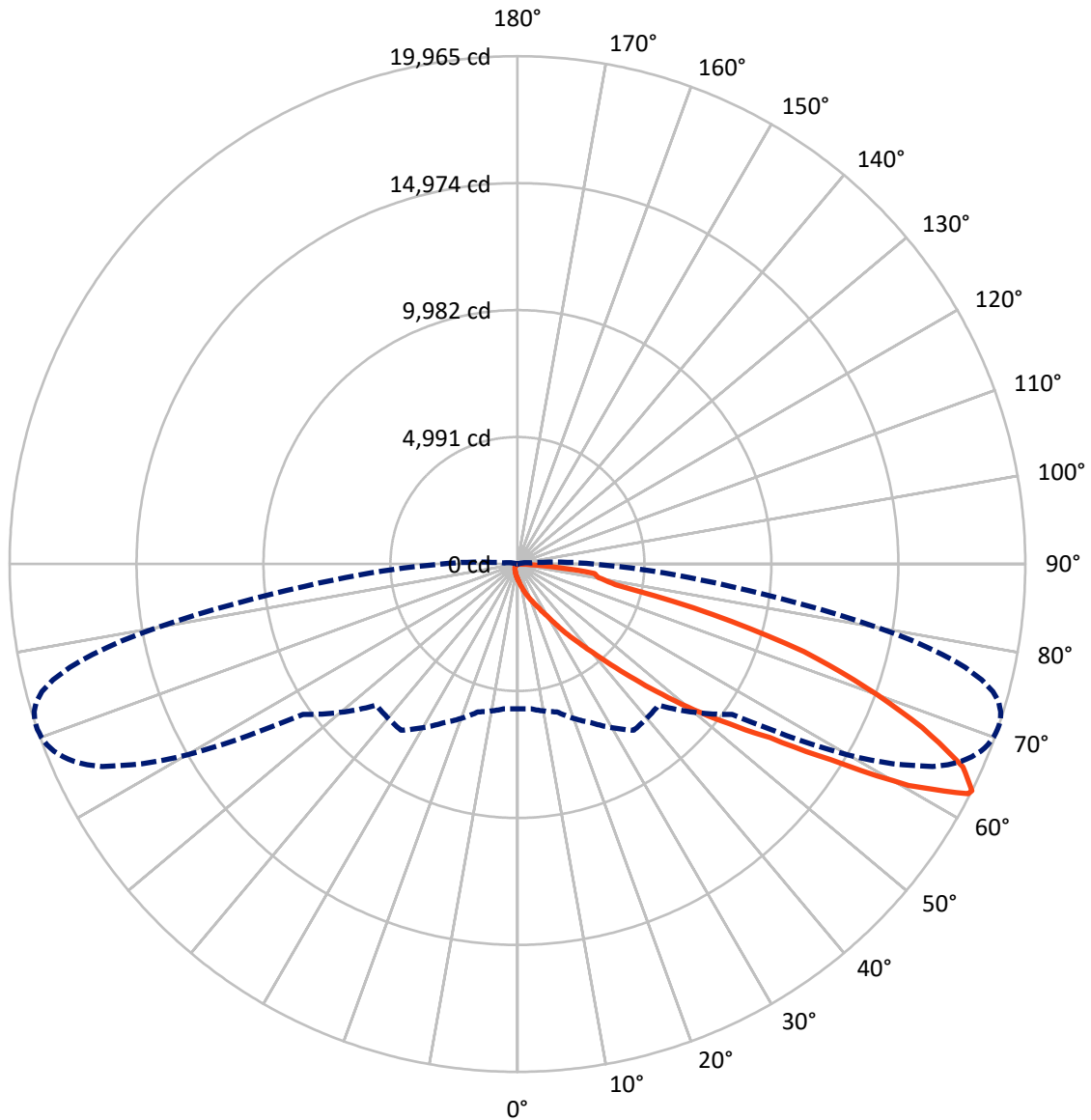


Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	317.5	0.0	317.5
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	14638.2	0.0	14638.2
	% Fixture	97.9	0.0	97.9
Total	Lumens	14955.7	0.0	14955.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	0.4
10°-20°	245.9	1.6
20°-30°	499.5	3.3
30°-40°	1220.3	8.2
40°-50°	2729.1	18.2
50°-60°	3837.5	25.7
60°-70°	4512.6	30.2
70°-80°	1629.4	10.9
80°-90°	217.9	1.5
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°	14955.7	100.0
0°-180°	14955.7	100.0



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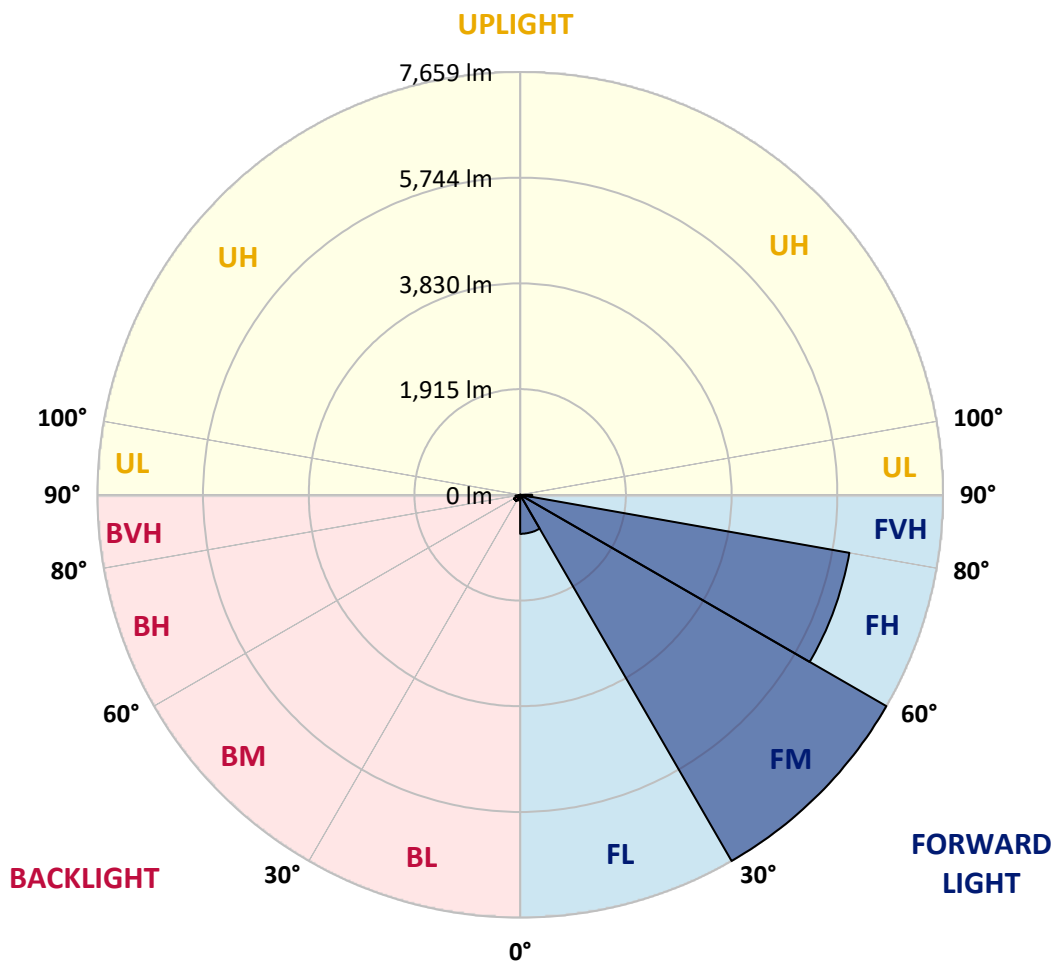
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	706.7	4.7			
FM (30°-60°)	7659.1	51.2			
FH (60°-80°)	6055.0	40.5			G3/7500
FVH (80°-90°)	217.4	1.5			G2/225
BL (0°-30°)	102.1	0.7	B0/110		
BM (30°-60°)	127.9	0.9	B0/220		
BH (60°-80°)	87.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7
2.5°	750.4	758.5	753.0	739.5	723.2	701.5	682.4	682.4	679.7	671.5	674.3
5°	984.2	987.0	976.1	943.4	913.5	867.3	815.6	810.2	804.7	796.6	794.0
7.5°	1212.7	1223.4	1212.7	1177.2	1117.4	1046.8	965.2	957.1	940.8	940.8	929.9
10°	1446.5	1446.5	1435.6	1394.8	1340.3	1239.8	1136.4	1122.9	1103.9	1098.4	1082.1
12.5°	1612.3	1612.3	1606.8	1585.2	1541.6	1451.9	1326.8	1313.2	1288.8	1280.6	1261.6
15°	1677.5	1677.5	1680.3	1699.3	1702.1	1661.3	1530.7	1519.8	1495.4	1473.6	1465.5
17.5°	1718.2	1715.6	1715.6	1742.8	1791.7	1819.0	1734.6	1723.7	1696.6	1685.7	1658.5
20°	1808.1	1802.6	1786.3	1786.3	1832.5	1927.6	1927.6	1925.0	1895.1	1886.8	1873.3
22.5°	1941.3	1935.9	1886.8	1846.0	1867.8	1987.5	2099.0	2093.5	2082.6	2071.7	2063.6
25°	2158.7	2139.8	2055.4	1935.9	1916.9	2044.7	2229.4	2243.1	2251.2	2251.2	2256.7
27.5°	2487.8	2463.4	2313.8	2090.9	2006.5	2137.0	2373.5	2400.8	2425.2	2430.7	2455.1
30°	2944.5	2901.1	2686.3	2360.0	2167.0	2273.0	2585.7	2615.6	2650.9	2661.8	2699.8
32.5°	3694.9	3670.4	3463.9	2974.4	2561.1	2539.5	2882.1	2920.0	2966.3	2985.3	3031.5
35°	4836.9	4842.4	4673.8	4233.3	3662.4	3363.2	3412.2	3444.8	3461.1	3518.2	3542.7
37.5°	5611.8	5625.3	5663.4	5489.4	5081.6	4777.0	4393.6	4429.1	4344.7	4352.8	4355.6
40°	6035.9	6079.3	6302.4	6471.0	6438.3	6261.6	5954.3	5973.3	5815.7	5780.3	5608.9
42.5°	6318.6	6375.7	6732.0	7253.9	7520.4	7680.8	7610.2	7601.9	7479.6	7433.4	7289.2
45°	6495.4	6547.1	6995.7	7765.1	8379.6	8847.2	9040.2	9062.0	8958.6	8912.4	8792.8
47.5°	6487.1	6547.1	7028.2	7955.4	8860.9	9608.4	10152.3	10179.4	10242.0	10201.2	10209.3
50°	6128.4	6185.5	6669.4	7631.8	8719.4	9956.5	10951.6	11038.6	11139.1	11207.2	11239.9
52.5°	5693.3	5734.1	6163.7	7077.2	8115.7	9812.4	11424.6	11574.2	11723.8	11851.6	11941.2
55°	5532.8	5579.1	5916.2	6674.9	7631.8	9208.7	11644.9	11865.1	12077.3	12286.6	12457.8
57.5°	5617.2	5660.6	5902.7	6484.5	7343.7	8572.6	11707.4	12050.0	12398.1	12737.8	13075.0
60°	5927.1	5973.3	6180.0	6661.2	7267.6	8205.6	11462.7	12031.0	12610.1	13202.8	13760.2
62.5°	5804.8	5823.7	6128.4	6971.2	7811.3	7892.8	10573.7	11367.6	12251.3	13164.8	14064.6
63°	5687.9	5709.7	6019.6	6886.9	7977.2	7846.6	10299.1	11136.5	12069.0	13053.2	14032.1
65°	5157.7	5160.4	5397.0	6082.1	7792.3	7928.2	9075.7	9874.9	10946.1	12126.1	13363.3
67.5°	3849.9	3830.9	4059.3	4581.3	6117.5	7931.0	7789.5	8238.2	8983.2	10030.0	11139.1
70°	1364.9	1335.0	1704.7	2427.9	3811.8	6487.1	6693.9	6723.7	6930.4	7495.9	8192.0
72.5°	443.1	451.4	543.7	889.1	1756.4	4366.5	6060.3	5967.9	5913.6	5910.8	6003.2
75°	176.7	179.5	217.4	394.3	788.5	2104.4	5307.3	5358.8	5378.0	5405.0	5435.1
77.5°	84.2	92.5	122.3	220.3	391.5	1041.3	3798.2	4235.9	4486.1	4679.2	4796.1
80°	29.9	35.3	68.0	135.9	182.1	478.5	2001.1	2414.3	2781.4	3254.5	3662.4
82.5°	0.0	0.0	13.5	95.1	100.5	193.0	821.1	962.4	1101.1	1427.3	1832.5
85°	0.0	0.0	0.0	27.2	29.9	32.7	277.4	334.5	375.3	437.7	505.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	8.1	16.3	40.8	62.6
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7
2.5°	668.8	666.2	666.2	660.8	657.9	652.5	649.9	641.6	639.0	639.0	639.0
5°	791.2	780.3	774.8	761.3	753.0	750.4	736.9	731.4	723.2	726.0	712.3
7.5°	927.1	908.1	900.0	880.8	875.6	856.4	851.0	837.4	829.3	813.0	807.5
10°	1076.6	1052.2	1038.7	1008.6	1000.5	987.0	970.7	954.3	940.8	924.4	916.3
12.5°	1248.0	1226.2	1215.3	1174.6	1155.6	1136.4	1114.8	1093.0	1071.2	1057.7	1038.7
15°	1449.1	1413.8	1402.9	1364.9	1332.2	1307.8	1277.9	1250.7	1234.3	1207.2	1188.1
17.5°	1647.6	1612.3	1604.2	1547.0	1511.7	1495.4	1462.8	1427.3	1397.4	1370.4	1340.3
20°	1846.0	1821.6	1799.8	1745.5	1707.5	1680.3	1636.7	1601.4	1576.9	1538.9	1500.8
22.5°	2044.7	2020.1	2003.9	1946.8	1911.4	1873.3	1835.3	1797.2	1761.8	1715.6	1672.2
25°	2248.6	2232.2	2224.0	2172.5	2139.8	2104.4	2066.3	2022.9	1979.3	1927.6	1881.5
27.5°	2460.6	2466.0	2449.7	2438.8	2403.4	2379.0	2319.2	2289.3	2256.7	2194.1	2137.0
30°	2729.7	2746.0	2740.6	2748.8	2727.0	2710.7	2664.5	2626.5	2588.4	2528.6	2463.4
32.5°	3069.6	3091.4	3102.2	3132.2	3121.3	3115.9	3102.2	3047.8	3020.6	2917.4	2890.2
35°	3594.3	3583.4	3629.7	3654.1	3643.2	3637.9	3621.6	3591.7	3559.0	3485.5	3417.7
37.5°	4276.7	4287.6	4304.0	4255.1	4222.4	4219.8	4170.7	4140.8	4094.6	4013.0	3931.5
40°	5527.4	5459.5	5383.4	5176.7	5087.0	5035.4	4891.2	4850.5	4771.5	4660.1	4575.9
42.5°	7153.3	7085.3	6857.0	6511.7	6326.8	6071.2	5954.3	5810.2	5698.8	5516.7	5418.7
45°	8768.4	8572.6	8545.3	8143.0	7914.6	7577.5	7368.1	7126.1	6873.3	6634.1	6460.1
47.5°	10130.5	10086.9	9953.8	9709.0	9497.0	9214.2	8945.1	8572.6	8311.6	7971.8	7659.1
50°	11220.7	11218.1	11169.0	11027.7	10851.0	10622.7	10386.1	10070.7	9774.4	9358.3	9024.0
52.5°	12036.5	12079.9	12096.3	12052.7	11984.8	11783.5	11664.0	11400.2	11150.0	10796.5	10435.0
55°	12634.5	12795.0	12876.5	12969.0	12950.0	12879.3	12873.9	12702.5	12588.4	12308.2	12052.7
57.5°	13374.2	13637.8	13890.6	14339.4	14355.5	14513.4	14595.0	14676.5	14698.1	14586.7	14502.5
60°	14314.8	14853.2	15331.6	16269.8	16514.5	16900.5	17150.6	17422.5	17653.5	17672.7	17667.2
62.5°	14978.2	15807.5	16579.7	17971.7	18447.5	18893.5	19227.8	19491.6	19652.0	19815.1	19891.2
63°	14997.3	15905.4	16726.5	18162.0	18662.3	19086.5	19404.6	19649.3	19817.9	19915.6	19964.7
65°	14537.8	15638.9	16617.7	18047.8	18518.2	18945.1	19110.9	19271.4	19352.9	19390.9	19246.8
67.5°	12322.0	13398.6	14540.5	16139.2	16541.5	17052.7	17188.7	17270.3	17308.3	17300.2	17177.9
70°	9214.2	10117.0	11386.6	13213.7	13746.6	14246.9	14556.8	14690.1	14733.5	14719.9	14537.8
72.5°	6432.8	6963.0	8009.7	10043.5	10769.5	11411.1	11794.4	11992.9	12033.7	11952.1	11783.5
75°	5402.4	5429.6	5666.1	6778.1	7457.8	8143.0	8575.2	8700.4	8618.8	8371.3	7941.9
77.5°	4823.2	4883.1	4883.1	5048.9	5182.2	5372.5	5413.3	5108.7	4755.4	4298.5	3928.8
80°	4045.7	4255.1	4401.9	4524.2	4537.7	4499.8	4399.1	4227.8	3955.9	3607.9	3221.9
82.5°	2457.9	2871.2	3039.7	3670.4	3980.4	4189.7	4173.5	3945.0	3738.5	3376.9	3047.8
85°	620.0	668.8	726.0	943.4	1057.7	1291.5	1438.2	1506.3	1530.7	1405.7	1272.5
87.5°	59.8	40.8	68.0	51.7	73.5	54.3	73.5	68.0	84.2	89.7	97.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7
2.5°	633.5	630.7	628.1	625.4	622.6	620.0	614.5	614.5	609.1	606.3	603.6
5°	704.2	698.7	696.1	690.6	682.4	676.9	668.8	657.9	649.9	647.0	641.6
7.5°	794.0	780.3	774.8	766.7	755.9	739.5	728.6	720.5	707.0	698.7	682.4
10°	894.5	880.8	864.7	848.3	832.0	813.0	799.3	788.5	766.7	755.9	736.9
12.5°	1022.3	997.9	978.7	957.1	935.3	913.5	897.2	864.7	845.5	821.1	804.7
15°	1152.8	1131.0	1109.3	1082.1	1049.4	1014.1	997.9	967.8	943.4	905.4	883.6
17.5°	1310.4	1269.7	1237.1	1204.4	1174.6	1141.9	1109.3	1063.1	1027.8	995.1	951.7
20°	1465.5	1416.6	1381.1	1337.7	1294.3	1242.6	1204.4	1171.8	1122.9	1079.5	1033.2
22.5°	1631.2	1582.4	1525.2	1481.8	1422.0	1381.1	1329.6	1275.1	1226.2	1169.1	1112.0
25°	1832.5	1780.8	1715.6	1658.5	1590.5	1533.5	1470.9	1408.3	1348.6	1283.4	1209.9
27.5°	2080.0	2025.5	1954.8	1886.8	1797.2	1726.5	1666.7	1582.4	1506.3	1424.7	1340.3
30°	2392.5	2332.8	2245.8	2147.9	2058.2	1979.3	1895.1	1783.6	1699.3	1601.4	1492.7
32.5°	2800.5	2729.7	2612.8	2520.3	2408.9	2305.5	2188.6	2077.2	1957.6	1829.9	1704.7
35°	3314.3	3249.1	3113.1	2977.2	2854.8	2732.5	2585.7	2457.9	2289.3	2134.3	1973.8
37.5°	3847.3	3730.2	3605.2	3458.5	3306.1	3159.3	2979.8	2803.2	2610.1	2441.6	2240.3
40°	4456.2	4314.9	4211.5	4053.8	3839.0	3629.7	3463.9	3243.7	3001.6	2775.9	2539.5
42.5°	5291.0	5133.3	4948.4	4709.1	4554.1	4309.4	4094.6	3833.6	3515.4	3262.6	2977.2
45°	6256.2	6041.4	5861.9	5630.7	5443.2	5138.7	4888.6	4540.6	4222.4	3890.7	3542.7
47.5°	7357.2	7090.8	6829.7	6601.4	6302.4	6003.2	5685.2	5315.4	4907.6	4543.2	4129.9
50°	8621.5	8243.5	7881.9	7588.4	7177.8	6832.5	6487.1	6071.2	5619.8	5201.1	4730.8
52.5°	10027.2	9589.5	9111.0	8659.6	8183.8	7740.6	7324.6	6846.1	6343.2	5832.0	5307.3
55°	11723.8	11394.7	10832.0	10258.3	9622.0	9029.4	8493.7	7901.1	7289.2	6617.7	6065.8
57.5°	14380.1	14219.7	13749.3	13175.7	12346.4	11625.9	10717.8	9991.8	9105.5	8181.1	7468.7
60°	17979.9	17781.3	17517.6	17052.7	16394.8	15416.0	14415.5	13287.2	11938.6	10658.0	9442.7
62.5°	19899.4	19828.6	19614.0	19293.0	18678.7	17906.5	16897.8	15657.9	14135.5	12580.2	11030.5
63°	19956.4	19866.8	19681.8	19355.6	18814.5	18066.9	17077.1	15872.7	14382.8	12797.8	11215.3
65°	19184.4	19149.0	18961.3	18605.2	18235.5	17664.4	16897.8	15861.8	14611.1	13113.1	11538.9
67.5°	17014.7	16908.6	16620.5	16511.7	16253.4	15856.4	15271.9	14559.5	13665.1	12487.7	11128.2
70°	14390.9	14233.2	13871.6	13678.6	13363.3	13113.1	12757.0	12248.5	11696.5	10875.5	9861.4
72.5°	11609.5	11283.3	10951.6	10448.7	10008.2	9562.2	9167.9	8809.2	8202.7	7871.0	7101.7
75°	7539.4	6946.6	6378.5	5617.2	4932.0	4325.8	3735.7	3436.7	2814.0	2561.1	2199.5
77.5°	3578.0	3246.3	2800.5	2455.1	2014.6	1644.9	1343.1	1008.6	791.2	620.0	473.0
80°	2887.4	2607.3	2338.2	2025.5	1693.8	1351.2	1035.9	774.8	549.1	380.6	269.1
82.5°	2574.8	2270.2	1938.5	1723.7	1498.2	1226.2	1006.0	821.1	606.3	443.1	301.8
85°	1000.5	842.9	649.9	530.2	413.3	339.8	307.3	212.0	165.9	130.4	100.5
87.5°	87.0	70.7	57.1	38.1	40.8	21.8	24.4	16.3	13.5	13.5	10.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7	573.7
2.5°	600.8	598.2	595.4	589.9	589.9	584.6	581.8	579.2	565.5	535.6	511.2
5°	630.7	625.4	620.0	611.7	606.3	598.2	592.7	584.6	554.6	497.6	448.6
7.5°	674.3	663.4	655.3	639.0	630.7	620.0	611.7	598.2	549.1	462.1	394.3
10°	726.0	707.0	693.3	674.3	657.9	644.4	630.7	611.7	543.7	424.2	345.2
12.5°	788.5	766.7	739.5	717.7	696.1	676.9	657.9	633.5	535.6	391.5	307.3
15°	851.0	818.4	799.3	769.4	739.5	712.3	685.2	663.4	538.4	356.1	274.6
17.5°	921.6	889.1	848.3	815.6	783.1	747.8	715.1	671.5	524.7	329.1	250.1
20°	989.6	943.4	905.4	864.7	818.4	774.8	734.1	696.1	513.8	301.8	228.3
22.5°	1063.1	1008.6	959.8	908.1	851.0	802.1	753.0	704.2	494.8	277.4	209.4
25°	1152.8	1090.2	1019.5	957.1	897.2	837.4	774.8	715.1	475.8	255.6	195.8
27.5°	1261.6	1180.0	1109.3	1030.4	946.2	870.1	802.1	736.9	456.8	239.2	182.1
30°	1400.3	1305.0	1204.4	1103.9	1014.1	927.1	832.0	750.4	437.7	222.9	168.6
32.5°	1585.2	1465.5	1343.1	1226.2	1106.5	995.1	894.5	788.5	426.8	209.4	155.0
35°	1829.9	1674.8	1525.2	1378.5	1234.3	1098.4	967.8	848.3	426.8	193.0	138.7
37.5°	2060.8	1881.5	1691.2	1508.9	1337.7	1180.0	1025.0	880.8	405.2	179.5	125.1
40°	2311.0	2096.2	1873.3	1658.5	1451.9	1256.1	1079.5	913.5	386.0	163.1	111.4
42.5°	2694.3	2422.6	2131.7	1881.5	1634.0	1392.0	1171.8	976.1	361.6	146.8	97.9
45°	3197.4	2852.0	2509.6	2205.0	1889.6	1593.3	1332.2	1090.2	356.1	133.2	84.2
47.5°	3735.7	3327.9	2925.5	2536.7	2167.0	1821.6	1508.9	1218.0	356.1	119.7	73.5
50°	4271.3	3760.3	3330.7	2879.3	2463.4	2055.4	1682.9	1351.2	358.9	108.8	59.8
52.5°	4755.4	4208.9	3727.6	3205.5	2746.0	2273.0	1867.8	1481.8	353.5	95.1	48.9
55°	5426.8	4785.2	4227.8	3651.5	3113.1	2580.3	2120.8	1677.5	356.1	84.2	40.8
57.5°	6664.0	5910.8	5239.3	4483.4	3863.5	3175.6	2618.2	2080.0	388.8	70.7	29.9
60°	8439.3	7460.6	6517.2	5595.4	4807.0	3988.6	3265.3	2631.9	456.8	57.1	21.8
62.5°	9632.9	8352.3	7226.8	6209.9	5293.6	4437.2	3648.7	2928.1	502.9	46.2	13.5
63°	9755.2	8431.3	7300.1	6250.7	5315.4	4459.0	3665.0	2949.9	505.7	43.4	13.5
65°	9986.4	8567.1	7340.9	6258.8	5293.6	4429.1	3654.1	2947.3	511.2	35.3	10.9
67.5°	9722.7	8357.8	7104.5	6025.0	5103.2	4252.3	3518.2	2838.5	508.4	24.4	8.1
70°	8694.9	7564.0	6462.7	5456.7	4619.3	3849.9	3202.9	2588.4	467.6	16.3	5.4
72.5°	6383.9	5614.4	4760.8	4034.8	3480.1	2890.2	2466.0	1943.9	361.6	10.9	2.6
75°	1892.3	1723.7	1449.1	1277.9	1128.3	932.5	829.3	647.0	184.9	5.4	0.0
77.5°	377.9	342.6	307.3	280.0	263.7	225.7	214.8	176.7	76.1	2.6	0.0
80°	198.5	163.1	138.7	122.3	106.0	87.0	73.5	59.8	13.5	0.0	0.0
82.5°	190.4	127.8	92.5	76.1	65.2	51.7	40.8	29.9	8.1	0.0	0.0
85°	70.7	54.3	40.8	32.7	27.2	24.4	19.0	16.3	0.0	0.0	0.0
87.5°	10.9	8.1	8.1	5.4	5.4	2.6	2.6	2.6	0.0	0.0	0.0
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°	573.7	573.7	573.7	573.7	573.7	573.7	573.7
2.5°	486.7	464.9	454.0	440.5	440.5	437.7	443.1
5°	405.2	375.3	353.5	337.1	339.8	331.7	334.5
7.5°	342.6	312.7	293.6	282.8	280.0	277.4	277.4
10°	296.4	269.1	252.8	244.7	242.0	242.0	242.0
12.5°	263.7	236.6	222.9	217.4	217.4	214.8	214.8
15°	236.6	214.8	201.3	195.8	195.8	193.0	195.8
17.5°	214.8	193.0	182.1	176.7	176.7	174.0	174.0
20°	195.8	176.7	165.9	157.7	157.7	155.0	157.7
22.5°	179.5	160.5	146.8	141.3	138.7	135.9	138.7
25°	163.1	144.1	130.4	122.3	119.7	119.7	116.9
27.5°	149.6	130.4	114.3	106.0	103.4	103.4	100.5
30°	135.9	114.3	97.9	89.7	87.0	87.0	87.0
32.5°	122.3	97.9	84.2	76.1	73.5	73.5	73.5
35°	108.8	84.2	70.7	62.6	59.8	59.8	59.8
37.5°	92.5	70.7	54.3	48.9	46.2	43.4	43.4
40°	78.9	54.3	40.8	35.3	29.9	29.9	29.9
42.5°	65.2	43.4	29.9	21.8	19.0	16.3	19.0
45°	54.3	32.7	19.0	10.9	8.1	8.1	8.1
47.5°	43.4	21.8	8.1	2.6	2.6	2.6	2.6
50°	32.7	13.5	2.6	0.0	0.0	2.6	2.6
52.5°	24.4	8.1	0.0	0.0	0.0	0.0	0.0
55°	13.5	2.6	0.0	0.0	0.0	0.0	0.0
57.5°	8.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	5.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.6	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)