

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: P164982

Luminaire Tested: **VTS-F09-LED-E1-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164982
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-F09-LED-E1-SL2-HSS
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13460.1 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

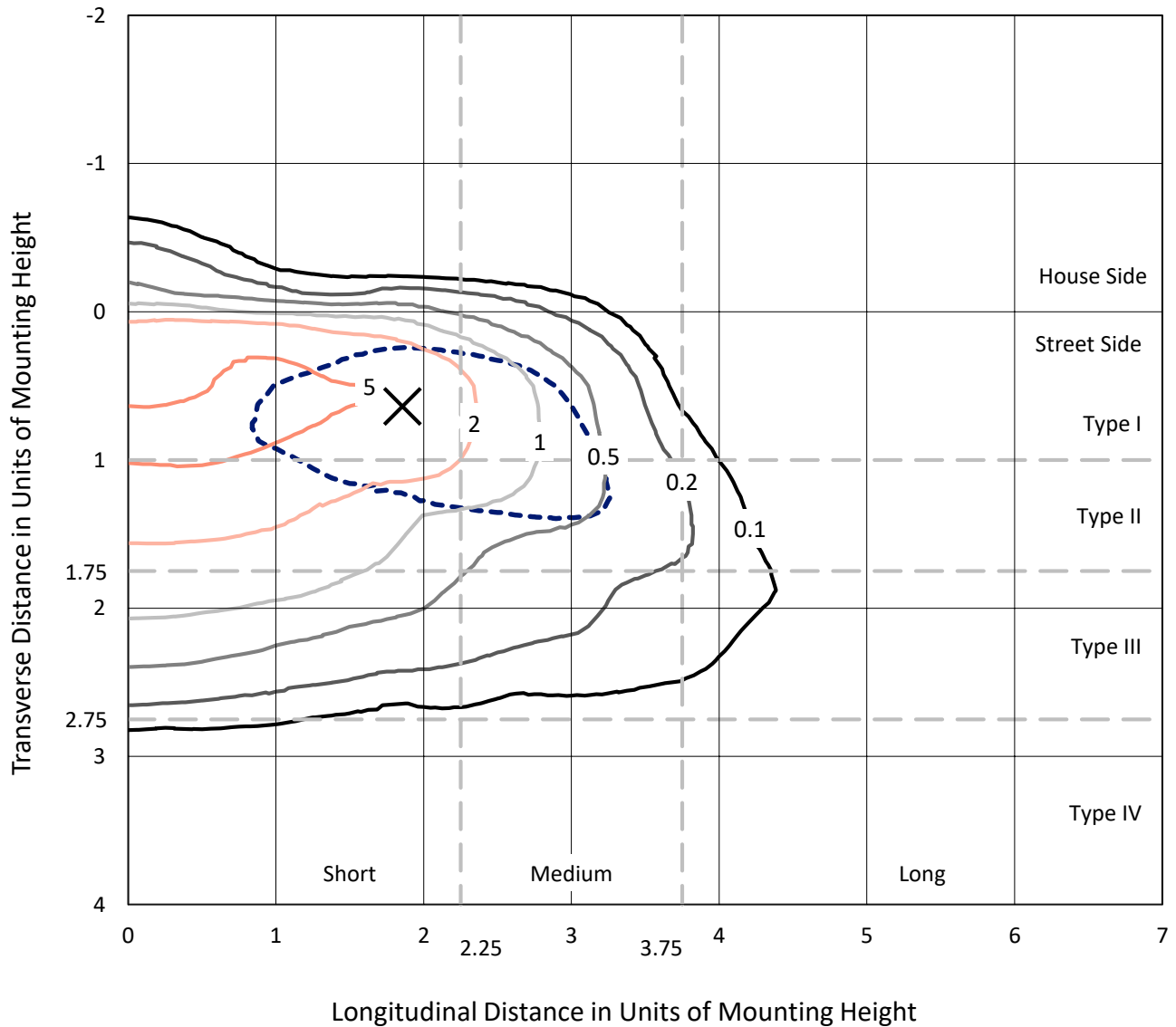
Input Watts (W): 234.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

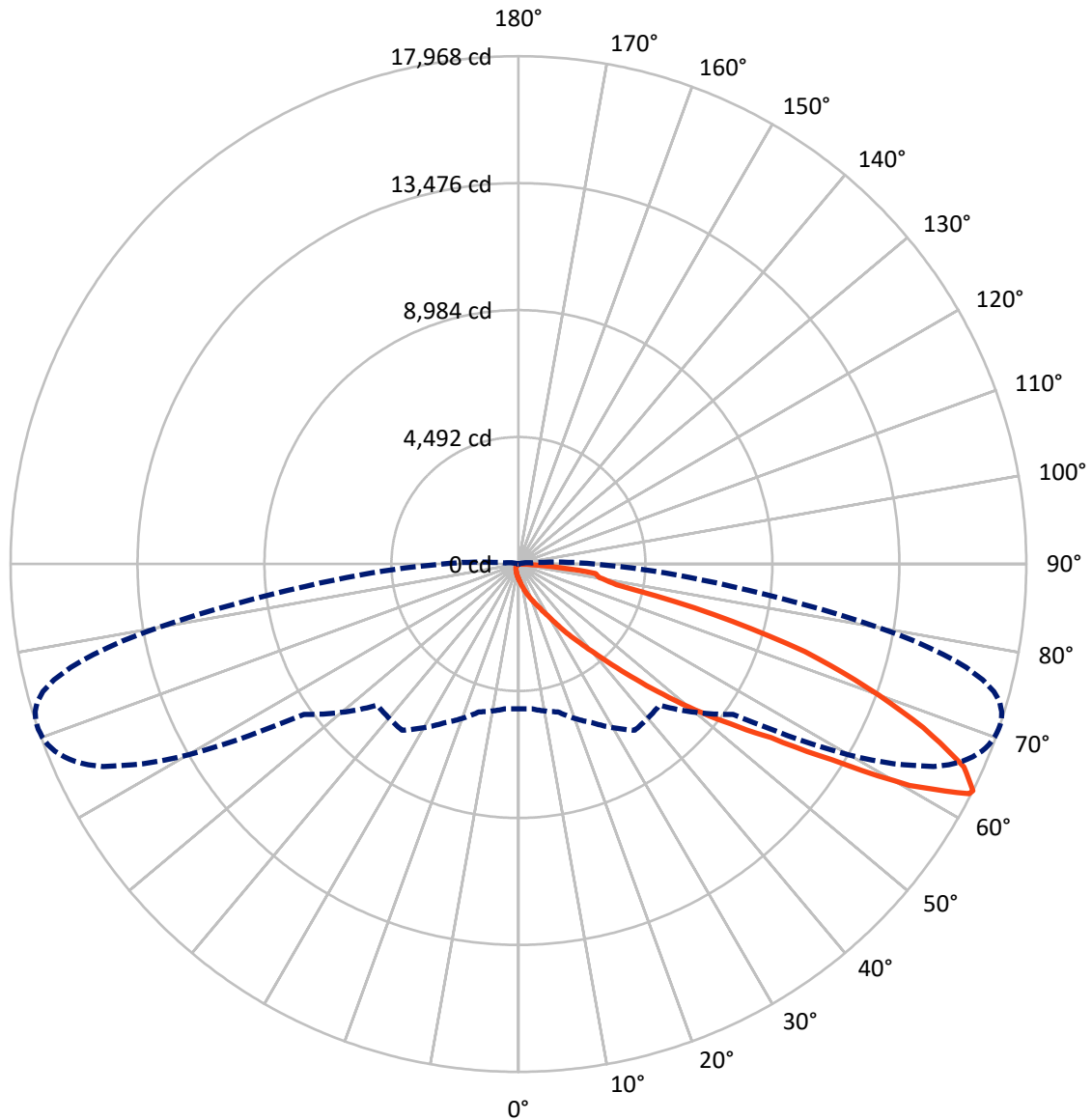


Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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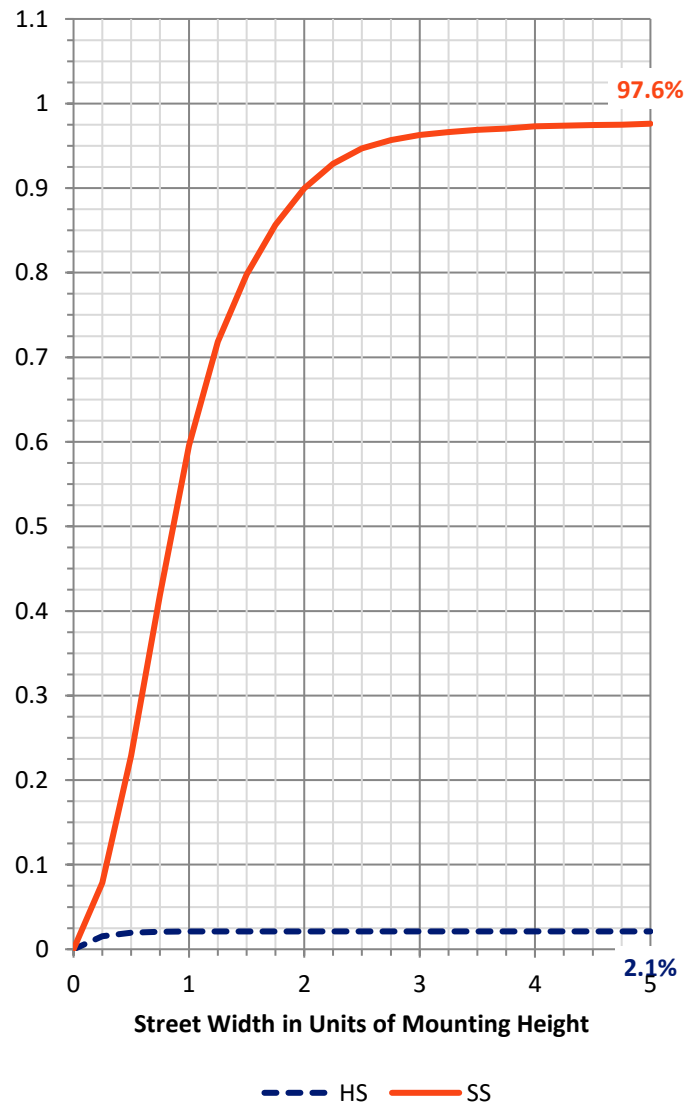
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	285.8	0.0	285.8
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	13174.4	0.0	13174.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	13460.1	0.0	13460.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	0.4
10°-20°	221.3	1.6
20°-30°	449.5	3.3
30°-40°	1098.3	8.2
40°-50°	2456.2	18.2
50°-60°	3453.7	25.7
60°-70°	4061.3	30.2
70°-80°	1466.5	10.9
80°-90°	196.1	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°	13460.1	100.0
0°-180°	13460.1	100.0



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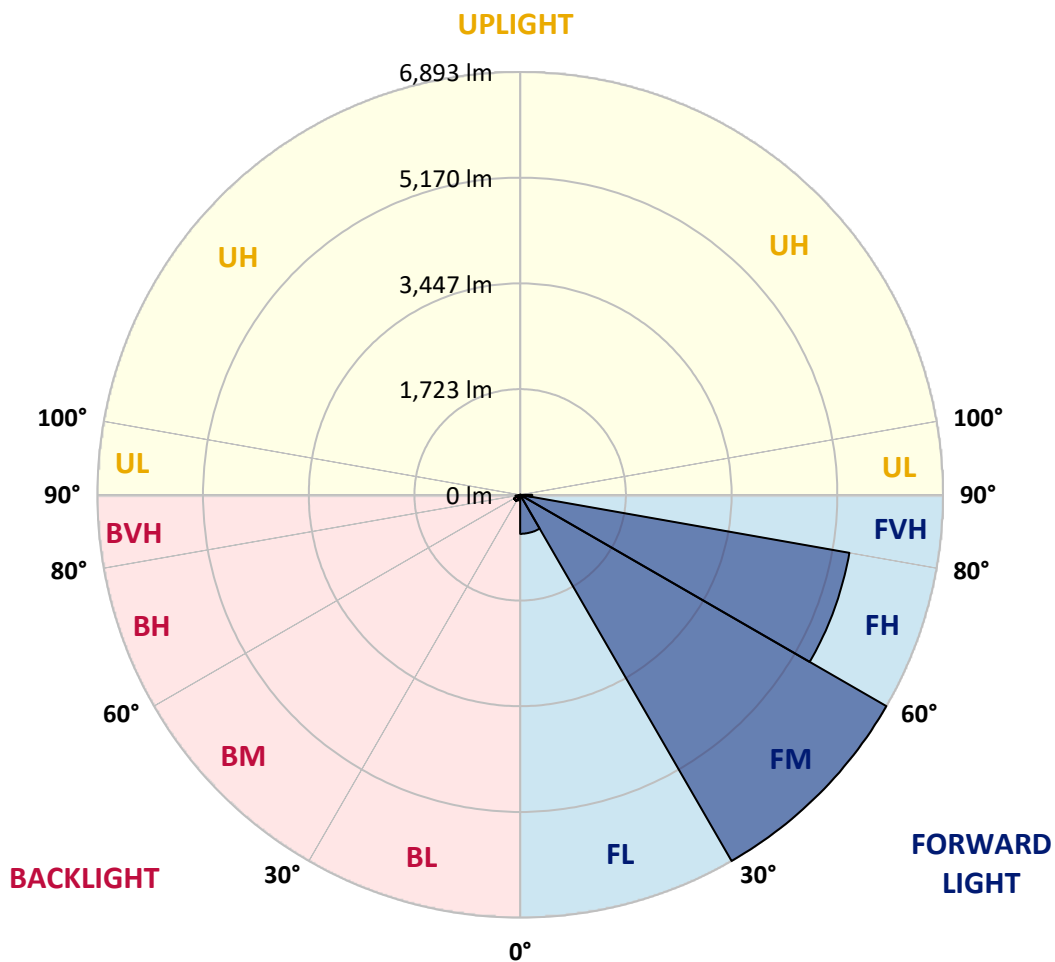
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	636.0	4.7			
FM	(30°-60°)	6893.2	51.2			
FH	(60°-80°)	5449.5	40.5			G3/7500
FVH	(80°-90°)	195.7	1.5			G2/225
BL	(0°-30°)	91.9	0.7	B0/110		
BM	(30°-60°)	115.1	0.9	B0/220		
BH	(60°-80°)	78.3	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	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°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	675.4	682.6	677.7	665.6	650.8	631.4	614.1	614.1	611.8	604.3	606.9
5°	885.8	888.3	878.5	849.1	822.2	780.6	734.1	729.2	724.2	717.0	714.6
7.5°	1091.4	1101.1	1091.4	1059.5	1005.7	942.1	868.7	861.4	846.7	846.7	836.9
10°	1301.8	1301.8	1292.0	1255.3	1206.3	1115.8	1022.8	1010.6	993.5	988.6	973.9
12.5°	1451.0	1451.0	1446.1	1426.7	1387.4	1306.7	1194.1	1181.9	1159.9	1152.5	1135.4
15°	1509.7	1509.7	1512.2	1529.3	1531.9	1495.2	1377.6	1367.8	1345.8	1326.2	1318.9
17.5°	1546.4	1544.0	1544.0	1568.6	1612.5	1637.1	1561.1	1551.3	1527.0	1517.1	1492.6
20°	1627.3	1622.4	1607.6	1607.6	1649.3	1734.8	1734.8	1732.5	1705.6	1698.1	1686.0
22.5°	1747.2	1742.3	1698.1	1661.4	1681.0	1788.8	1889.1	1884.2	1874.4	1864.6	1857.3
25°	1942.9	1925.8	1849.9	1742.3	1725.2	1840.2	2006.5	2018.8	2026.1	2026.1	2031.0
27.5°	2239.0	2217.0	2082.4	1881.8	1805.9	1923.3	2136.2	2160.7	2182.7	2187.6	2209.6
30°	2650.0	2611.0	2417.6	2124.0	1950.3	2045.7	2327.1	2354.0	2385.8	2395.6	2429.8
32.5°	3325.4	3303.4	3117.5	2676.9	2305.0	2285.5	2593.9	2628.0	2669.6	2686.7	2728.3
35°	4353.2	4358.1	4206.4	3810.0	3296.1	3026.9	3071.0	3100.3	3115.0	3166.4	3188.4
37.5°	5050.6	5062.8	5097.1	4940.5	4573.4	4299.3	3954.2	3986.2	3910.3	3917.5	3920.1
40°	5432.3	5471.4	5672.1	5823.9	5794.4	5635.4	5358.9	5376.0	5234.1	5202.3	5048.1
42.5°	5686.7	5738.1	6058.8	6528.5	6768.3	6912.8	6849.2	6841.7	6731.6	6690.0	6560.3
45°	5845.9	5892.4	6296.1	6988.5	7541.6	7962.4	8136.1	8155.8	8062.7	8021.1	7913.5
47.5°	5838.4	5892.4	6325.4	7159.9	7974.8	8647.6	9137.1	9161.4	9217.8	9181.1	9188.3
50°	5515.5	5566.9	6002.5	6868.6	7847.4	8960.8	9856.4	9934.7	10025.2	10086.4	10115.9
52.5°	5124.0	5160.7	5547.3	6369.5	7304.2	8831.1	10282.1	10416.8	10551.4	10666.4	10747.1
55°	4979.5	5021.2	5324.6	6007.4	6868.6	8287.9	10480.4	10678.6	10869.5	11058.0	11212.0
57.5°	5055.5	5094.6	5312.4	5836.0	6609.3	7715.3	10536.7	10845.0	11158.3	11464.1	11767.5
60°	5334.4	5376.0	5562.0	5995.0	6540.8	7385.0	10316.5	10827.9	11349.1	11882.5	12384.2
62.5°	5224.3	5241.4	5515.5	6274.1	7030.2	7103.6	9516.3	10230.9	11026.2	11848.3	12658.2
63°	5119.1	5138.7	5417.6	6198.2	7179.5	7062.0	9269.2	10022.8	10862.1	11747.9	12628.9
65°	4641.9	4644.3	4857.3	5473.9	7013.1	7135.4	8168.1	8887.4	9851.5	10913.5	12026.9
67.5°	3464.9	3447.8	3653.3	4123.2	5505.7	7137.9	7010.5	7414.4	8084.9	9027.0	10025.2
70°	1228.4	1201.5	1534.2	2185.1	3430.6	5838.4	6024.5	6051.4	6237.4	6746.3	7372.8
72.5°	398.8	406.3	489.3	800.2	1580.7	3929.9	5454.3	5371.1	5322.2	5319.7	5402.9
75°	159.0	161.5	195.7	354.8	709.7	1894.0	4776.6	4822.9	4840.2	4864.5	4891.6
77.5°	75.8	83.2	110.1	198.2	352.3	937.2	3418.4	3812.3	4037.5	4211.3	4316.5
80°	26.9	31.8	61.2	122.3	163.9	430.6	1801.0	2172.9	2503.2	2929.1	3296.1
82.5°	0.0	0.0	12.2	85.6	90.5	173.7	739.0	866.2	991.0	1284.6	1649.3
85°	0.0	0.0	0.0	24.5	26.9	29.4	249.6	301.1	337.8	393.9	455.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.3	14.7	36.7	56.3
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°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	602.0	599.6	599.6	594.7	592.1	587.2	584.9	577.4	575.1	575.1	575.1
5°	712.1	702.3	697.4	685.2	677.7	675.4	663.2	658.3	650.8	653.4	641.0
7.5°	834.4	817.3	810.0	792.8	788.0	770.8	765.9	753.7	746.4	731.7	726.8
10°	969.0	947.0	934.8	907.8	900.5	888.3	873.6	858.9	846.7	832.0	824.7
12.5°	1123.2	1103.6	1093.8	1057.1	1040.0	1022.8	1003.3	983.7	964.1	951.9	934.8
15°	1304.2	1272.4	1262.6	1228.4	1199.0	1177.0	1150.1	1125.6	1110.9	1086.5	1069.3
17.5°	1482.8	1451.0	1443.7	1392.3	1360.5	1345.8	1316.5	1284.6	1257.7	1233.3	1206.3
20°	1661.4	1639.4	1619.8	1570.9	1536.8	1512.2	1473.0	1441.2	1419.2	1385.0	1350.7
22.5°	1840.2	1818.1	1803.5	1752.1	1720.3	1686.0	1651.8	1617.5	1585.7	1544.0	1505.0
25°	2023.7	2009.0	2001.6	1955.2	1925.8	1894.0	1859.7	1820.6	1781.4	1734.8	1693.4
27.5°	2214.5	2219.4	2204.7	2194.9	2163.1	2141.1	2087.3	2060.4	2031.0	1974.7	1923.3
30°	2456.7	2471.4	2466.5	2473.9	2454.3	2439.6	2398.0	2363.8	2329.5	2275.7	2217.0
32.5°	2762.7	2782.3	2791.9	2819.0	2809.2	2804.3	2791.9	2743.1	2718.5	2625.7	2601.1
35°	3234.9	3225.1	3266.7	3288.7	3278.9	3274.1	3259.4	3232.5	3203.1	3137.0	3075.9
37.5°	3849.0	3858.9	3873.6	3829.6	3800.2	3797.8	3753.6	3726.7	3685.1	3611.7	3538.3
40°	4974.6	4913.6	4845.1	4659.0	4578.3	4531.8	4402.1	4365.4	4294.4	4194.1	4118.3
42.5°	6438.0	6376.8	6171.3	5860.6	5694.1	5464.1	5358.9	5229.2	5128.9	4965.0	4876.9
45°	7891.6	7715.3	7690.8	7328.7	7123.2	6819.7	6631.3	6413.5	6186.0	5970.7	5814.1
47.5°	9117.5	9078.2	8958.5	8738.1	8547.3	8292.8	8050.6	7715.3	7480.4	7174.6	6893.1
50°	10098.6	10096.3	10052.1	9924.9	9765.9	9560.4	9347.5	9063.7	8796.9	8422.5	8121.6
52.5°	10832.8	10871.9	10886.6	10847.4	10786.3	10605.2	10497.6	10260.2	10035.0	9716.9	9391.5
55°	11371.0	11515.5	11588.9	11672.1	11655.0	11591.4	11586.5	11432.3	11329.6	11077.4	10847.4
57.5°	12036.7	12274.1	12501.6	12905.4	12920.0	13062.0	13135.5	13208.9	13228.3	13128.0	13052.2
60°	12883.3	13367.9	13798.5	14642.8	14863.0	15210.4	15435.5	15680.3	15888.2	15905.4	15900.5
62.5°	13480.3	14226.7	14921.7	16174.5	16602.8	17004.1	17305.0	17542.5	17686.8	17833.6	17902.1
63°	13497.6	14314.8	15053.8	16345.8	16796.1	17177.8	17464.2	17684.4	17836.1	17924.1	17968.2
65°	13084.0	14075.0	14955.9	16243.0	16666.4	17050.6	17199.8	17344.2	17417.7	17451.8	17322.1
67.5°	11089.8	12058.7	13086.4	14525.3	14887.4	15347.4	15469.9	15543.3	15577.5	15570.2	15460.1
70°	8292.8	9105.3	10248.0	11892.3	12372.0	12822.2	13101.1	13221.0	13260.1	13247.9	13084.0
72.5°	5789.5	6266.7	7208.8	9039.2	9692.5	10270.0	10615.0	10793.6	10830.3	10756.9	10605.2
75°	4862.2	4886.7	5099.5	6100.2	6712.0	7328.7	7717.7	7830.3	7756.9	7534.2	7147.7
77.5°	4340.9	4394.8	4394.8	4544.0	4663.9	4835.3	4872.0	4597.8	4279.8	3868.7	3536.0
80°	3641.2	3829.6	3961.7	4071.8	4084.0	4049.8	3959.2	3805.1	3560.3	3247.1	2899.7
82.5°	2212.1	2584.1	2735.8	3303.4	3582.3	3770.7	3756.2	3550.5	3364.6	3039.2	2743.1
85°	558.0	602.0	653.4	849.1	951.9	1162.3	1294.4	1355.6	1377.6	1265.1	1145.2
87.5°	53.8	36.7	61.2	46.5	66.1	48.9	66.1	61.2	75.8	80.7	88.1
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	570.2	567.6	565.3	562.9	560.3	558.0	553.1	553.1	548.2	545.6	543.3
5°	633.8	628.9	626.5	621.6	614.1	609.2	602.0	592.1	584.9	582.3	577.4
7.5°	714.6	702.3	697.4	690.1	680.3	665.6	655.7	648.5	636.3	628.9	614.1
10°	805.1	792.8	778.2	763.5	748.8	731.7	719.3	709.7	690.1	680.3	663.2
12.5°	920.1	898.1	880.9	861.4	841.8	822.2	807.5	778.2	761.0	739.0	724.2
15°	1037.5	1017.9	998.4	973.9	944.5	912.7	898.1	871.1	849.1	814.9	795.3
17.5°	1179.4	1142.7	1113.4	1084.0	1057.1	1027.7	998.4	956.8	925.0	895.6	856.5
20°	1318.9	1274.9	1243.0	1203.9	1164.8	1118.3	1084.0	1054.6	1010.6	971.5	929.9
22.5°	1468.1	1424.1	1372.7	1333.6	1279.8	1243.0	1196.6	1147.6	1103.6	1052.2	1000.8
25°	1649.3	1602.7	1544.0	1492.6	1431.4	1380.1	1323.8	1267.5	1213.7	1155.0	1088.9
27.5°	1872.0	1823.0	1759.4	1698.1	1617.5	1553.9	1500.1	1424.1	1355.6	1282.2	1206.3
30°	2153.3	2099.5	2021.2	1933.1	1852.4	1781.4	1705.6	1605.3	1529.3	1441.2	1343.4
32.5°	2520.5	2456.7	2351.5	2268.3	2168.0	2075.0	1969.8	1869.5	1761.9	1646.9	1534.2
35°	2982.9	2924.2	2801.7	2679.5	2569.3	2459.2	2327.1	2212.1	2060.4	1920.9	1776.4
37.5°	3462.5	3357.2	3244.7	3112.6	2975.5	2843.4	2681.8	2522.8	2349.1	2197.4	2016.3
40°	4010.6	3883.4	3790.3	3648.4	3455.1	3266.7	3117.5	2919.3	2701.4	2498.3	2285.5
42.5°	4761.9	4620.0	4453.5	4238.2	4098.7	3878.5	3685.1	3450.2	3163.9	2936.4	2679.5
45°	5630.5	5437.2	5275.7	5067.7	4898.9	4624.9	4399.7	4086.5	3800.2	3501.6	3188.4
47.5°	6621.5	6381.7	6146.8	5941.3	5672.1	5402.9	5116.7	4783.9	4416.8	4088.9	3716.9
50°	7759.3	7419.2	7093.8	6829.6	6460.0	6149.3	5838.4	5464.1	5057.9	4681.0	4257.7
52.5°	9024.4	8630.5	8199.9	7793.6	7365.4	6966.6	6592.1	6161.5	5708.9	5248.8	4776.6
55°	10551.4	10255.2	9748.8	9232.5	8659.8	8126.5	7644.3	7111.0	6560.3	5956.0	5459.2
57.5°	12942.1	12797.7	12374.4	11858.1	11111.7	10463.3	9646.0	8992.6	8195.0	7363.0	6721.8
60°	16181.9	16003.2	15765.9	15347.4	14755.3	13874.4	12973.9	11958.4	10744.7	9592.2	8498.4
62.5°	17909.5	17845.8	17652.6	17363.7	16810.8	16115.8	15208.1	14092.1	12721.9	11322.2	9927.4
63°	17960.8	17880.1	17713.7	17420.0	16933.1	16260.2	15369.4	14285.4	12944.5	11518.0	10093.7
65°	17265.9	17234.1	17065.2	16744.7	16412.0	15898.0	15208.1	14275.6	13150.0	11801.8	10385.0
67.5°	15313.3	15217.7	14958.4	14860.5	14628.1	14270.7	13744.7	13103.5	12298.6	11238.9	10015.4
70°	12951.8	12809.9	12484.5	12310.8	12026.9	11801.8	11481.3	11023.6	10526.9	9787.9	8875.3
72.5°	10448.6	10154.9	9856.4	9403.8	9007.4	8606.0	8251.2	7928.3	7382.5	7083.9	6391.5
75°	6785.4	6252.0	5740.7	5055.5	4438.8	3893.2	3362.1	3093.0	2532.6	2305.0	1979.6
77.5°	3220.2	2921.7	2520.5	2209.6	1813.1	1480.4	1208.8	907.8	712.1	558.0	425.7
80°	2598.6	2346.6	2104.4	1823.0	1524.4	1216.1	932.3	697.4	494.2	342.5	242.2
82.5°	2317.3	2043.2	1744.6	1551.3	1348.3	1103.6	905.4	739.0	545.6	398.8	271.6
85°	900.5	758.6	584.9	477.1	371.9	305.8	276.5	190.8	149.3	117.4	90.5
87.5°	78.3	63.6	51.4	34.3	36.7	19.6	22.0	14.7	12.2	12.2	9.8
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	540.7	538.4	535.8	530.9	530.9	526.2	523.6	521.3	508.9	482.0	460.0
5°	567.6	562.9	558.0	550.5	545.6	538.4	533.5	526.2	499.1	447.9	403.7
7.5°	606.9	597.1	589.8	575.1	567.6	558.0	550.5	538.4	494.2	415.9	354.8
10°	653.4	636.3	623.9	606.9	592.1	580.0	567.6	550.5	489.3	381.7	310.7
12.5°	709.7	690.1	665.6	645.9	626.5	609.2	592.1	570.2	482.0	352.3	276.5
15°	765.9	736.6	719.3	692.5	665.6	641.0	616.7	597.1	484.6	320.5	247.1
17.5°	829.5	800.2	763.5	734.1	704.8	673.0	643.6	604.3	472.2	296.1	225.1
20°	890.7	849.1	814.9	778.2	736.6	697.4	660.7	626.5	462.4	271.6	205.5
22.5°	956.8	907.8	863.8	817.3	765.9	721.9	677.7	633.8	445.3	249.6	188.4
25°	1037.5	981.2	917.6	861.4	807.5	753.7	697.4	643.6	428.2	230.0	176.2
27.5°	1135.4	1062.0	998.4	927.4	851.6	783.1	721.9	663.2	411.2	215.3	163.9
30°	1260.2	1174.5	1084.0	993.5	912.7	834.4	748.8	675.4	393.9	200.6	151.7
32.5°	1426.7	1318.9	1208.8	1103.6	995.9	895.6	805.1	709.7	384.1	188.4	139.5
35°	1646.9	1507.3	1372.7	1240.6	1110.9	988.6	871.1	763.5	384.1	173.7	124.8
37.5°	1854.8	1693.4	1522.1	1358.0	1203.9	1062.0	922.5	792.8	364.7	161.5	112.6
40°	2079.9	1886.6	1686.0	1492.6	1306.7	1130.5	971.5	822.2	347.4	146.8	100.3
42.5°	2424.9	2180.3	1918.5	1693.4	1470.6	1252.8	1054.6	878.5	325.4	132.1	88.1
45°	2877.7	2566.8	2258.6	1984.5	1700.7	1433.9	1199.0	981.2	320.5	119.9	75.8
47.5°	3362.1	2995.1	2632.9	2283.0	1950.3	1639.4	1358.0	1096.2	320.5	107.7	66.1
50°	3844.1	3384.2	2997.6	2591.3	2217.0	1849.9	1514.6	1216.1	323.0	97.9	53.8
52.5°	4279.8	3788.0	3354.8	2885.0	2471.4	2045.7	1681.0	1333.6	318.1	85.6	44.0
55°	4884.2	4306.7	3805.1	3286.3	2801.7	2322.2	1908.7	1509.7	320.5	75.8	36.7
57.5°	5997.6	5319.7	4715.3	4035.1	3477.1	2858.1	2356.4	1872.0	349.9	63.6	26.9
60°	7595.4	6714.5	5865.5	5035.9	4326.3	3589.7	2938.8	2368.7	411.2	51.4	19.6
62.5°	8669.6	7517.1	6504.1	5588.9	4764.2	3993.5	3283.8	2635.3	452.6	41.6	12.2
63°	8779.7	7588.1	6570.1	5625.6	4783.9	4013.1	3298.5	2654.9	455.1	39.1	12.2
65°	8987.7	7710.4	6606.8	5632.9	4764.2	3986.2	3288.7	2652.6	460.0	31.8	9.8
67.5°	8750.4	7522.0	6394.0	5422.5	4592.9	3827.1	3166.4	2554.6	457.5	22.0	7.3
70°	7825.4	6807.6	5816.4	4911.0	4157.4	3464.9	2882.6	2329.5	420.8	14.7	4.9
72.5°	5745.6	5053.0	4284.7	3631.4	3132.1	2601.1	2219.4	1749.6	325.4	9.8	2.4
75°	1703.0	1551.3	1304.2	1150.1	1015.5	839.3	746.4	582.3	166.4	4.9	0.0
77.5°	340.1	308.3	276.5	252.0	237.3	203.1	193.3	159.0	68.5	2.4	0.0
80°	178.6	146.8	124.8	110.1	95.4	78.3	66.1	53.8	12.2	0.0	0.0
82.5°	171.3	115.0	83.2	68.5	58.7	46.5	36.7	26.9	7.3	0.0	0.0
85°	63.6	48.9	36.7	29.4	24.5	22.0	17.1	14.7	0.0	0.0	0.0
87.5°	9.8	7.3	7.3	4.9	4.9	2.4	2.4	2.4	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°	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	438.1	418.4	408.6	396.5	396.5	393.9	398.8
5°	364.7	337.8	318.1	303.4	305.8	298.5	301.1
7.5°	308.3	281.4	264.2	254.5	252.0	249.6	249.6
10°	266.7	242.2	227.5	220.2	217.8	217.8	217.8
12.5°	237.3	212.9	200.6	195.7	195.7	193.3	193.3
15°	212.9	193.3	181.1	176.2	176.2	173.7	176.2
17.5°	193.3	173.7	163.9	159.0	159.0	156.6	156.6
20°	176.2	159.0	149.3	141.9	141.9	139.5	141.9
22.5°	161.5	144.4	132.1	127.2	124.8	122.3	124.8
25°	146.8	129.7	117.4	110.1	107.7	107.7	105.2
27.5°	134.6	117.4	102.8	95.4	93.0	93.0	90.5
30°	122.3	102.8	88.1	80.7	78.3	78.3	78.3
32.5°	110.1	88.1	75.8	68.5	66.1	66.1	66.1
35°	97.9	75.8	63.6	56.3	53.8	53.8	53.8
37.5°	83.2	63.6	48.9	44.0	41.6	39.1	39.1
40°	71.0	48.9	36.7	31.8	26.9	26.9	26.9
42.5°	58.7	39.1	26.9	19.6	17.1	14.7	17.1
45°	48.9	29.4	17.1	9.8	7.3	7.3	7.3
47.5°	39.1	19.6	7.3	2.4	2.4	2.4	2.4
50°	29.4	12.2	2.4	0.0	0.0	2.4	2.4
52.5°	22.0	7.3	0.0	0.0	0.0	0.0	0.0
55°	12.2	2.4	0.0	0.0	0.0	0.0	0.0
57.5°	7.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.4	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)