

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: P164977

Luminaire Tested: **VTS-E09-LED-E1-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164977
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-E09-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: (189) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16305 lumens
Efficiency: N/A
Efficacy: 72.2 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: B1 - U0 - G3

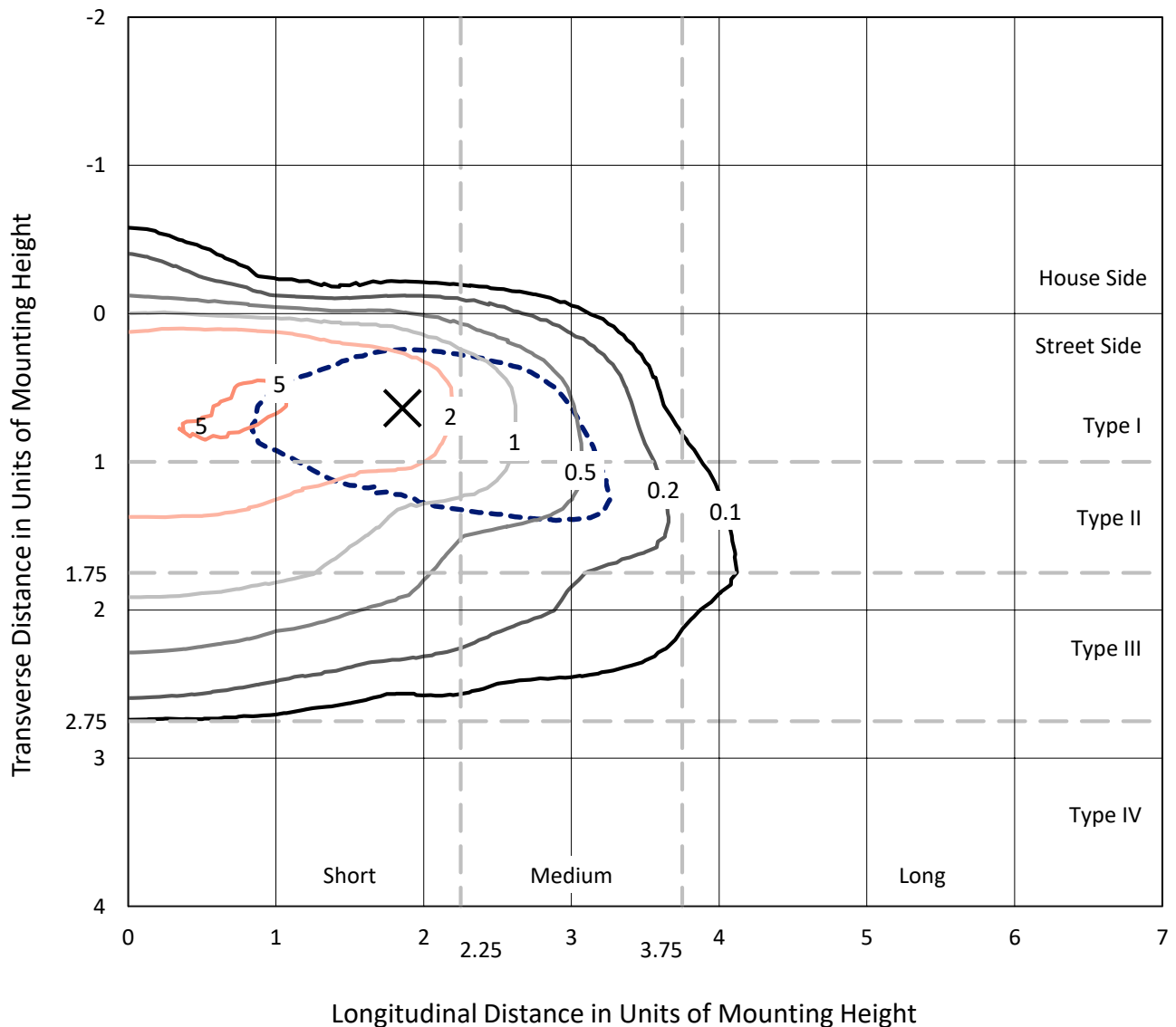
Input Watts (W): 225.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

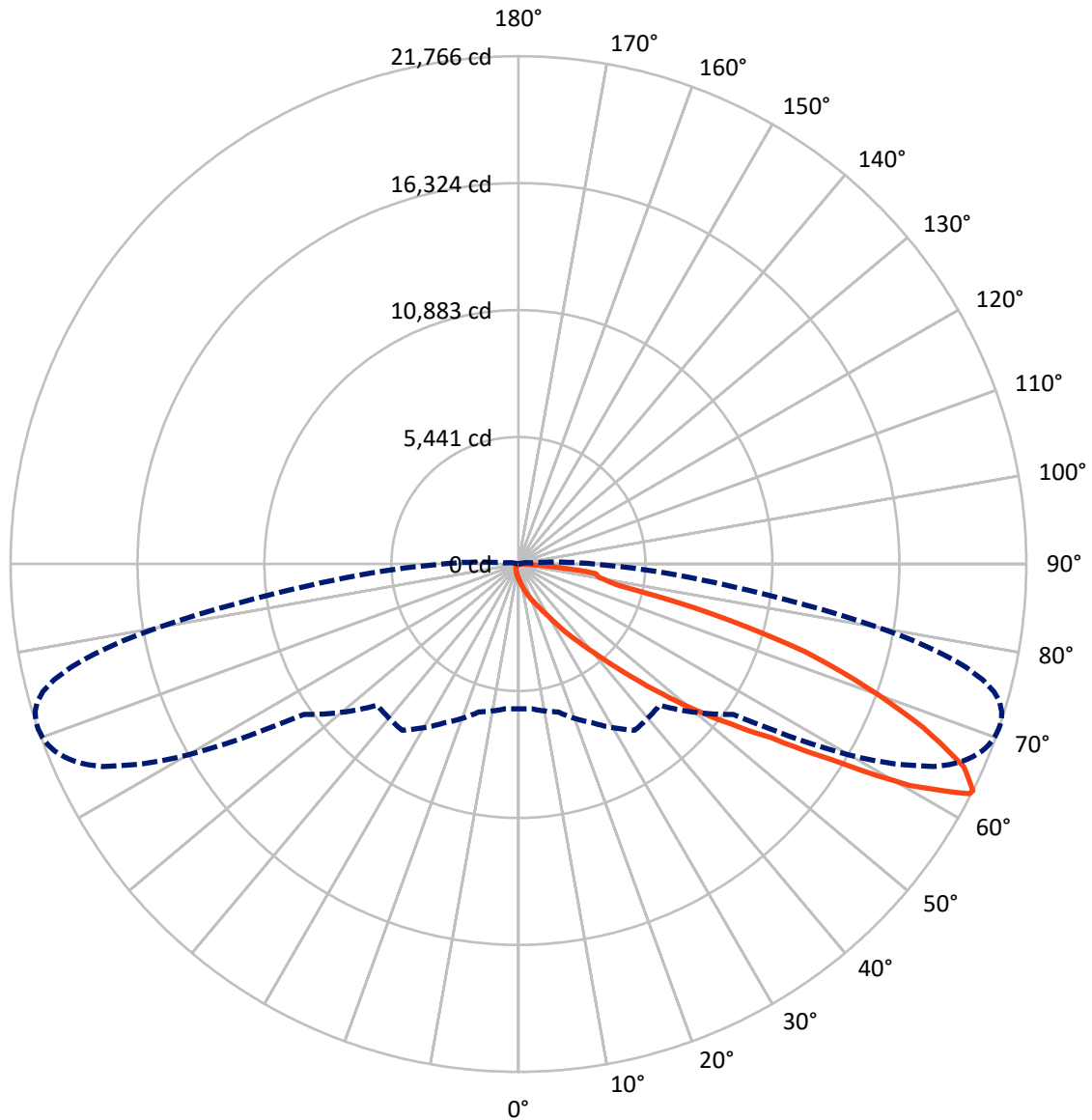


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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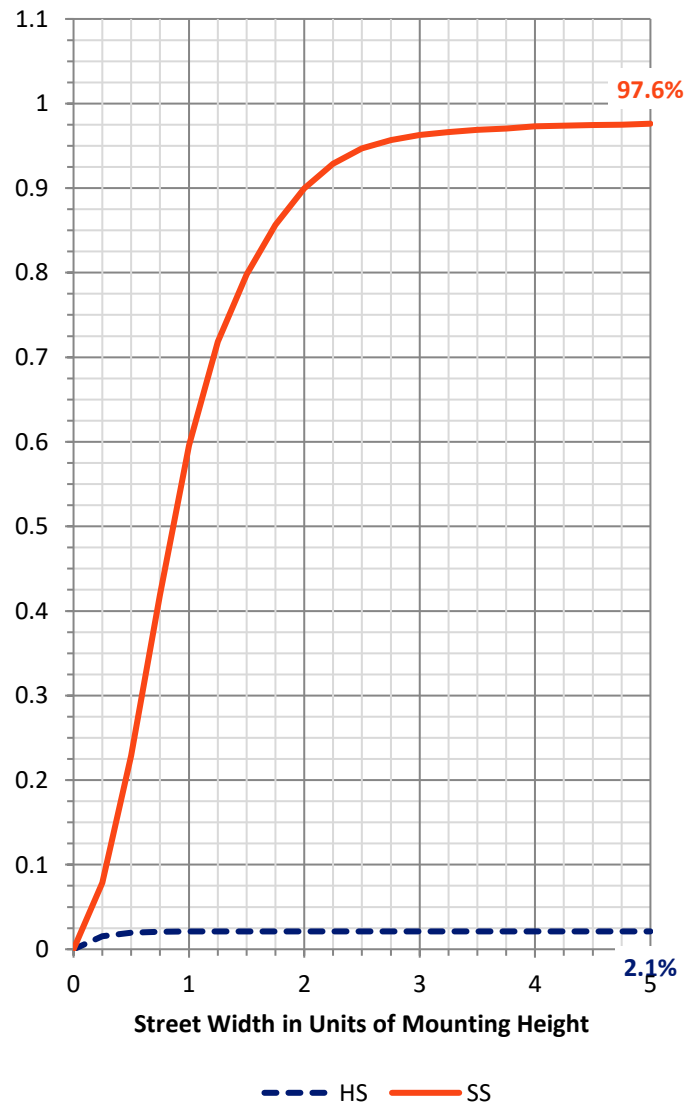
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.2	0.0	346.2
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	15958.8	0.0	15958.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	16305.0	0.0	16305.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	0.4
10°-20°	268.1	1.6
20°-30°	544.5	3.3
30°-40°	1330.4	8.2
40°-50°	2975.4	18.2
50°-60°	4183.7	25.7
60°-70°	4919.7	30.2
70°-80°	1776.5	10.9
80°-90°	237.6	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°	16305.0	100.0
0°-180°	16305.0	100.0



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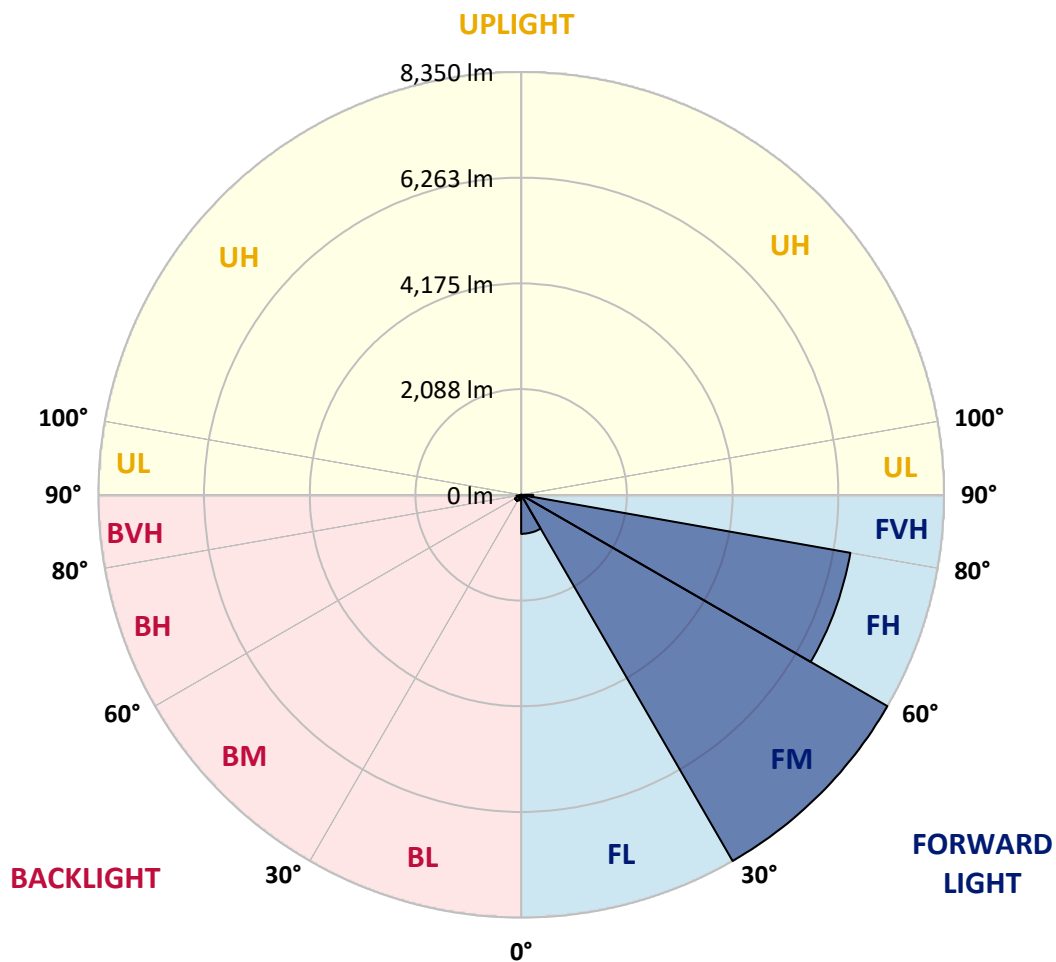
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	770.5	4.7			
FM	(30°-60°)	8350.0	51.2			
FH	(60°-80°)	6601.3	40.5			G3/7500
FVH	(80°-90°)	237.0	1.5			G3/500
BL	(0°-30°)	111.3	0.7	B1/500		
BM	(30°-60°)	139.5	0.9	B0/220		
BH	(60°-80°)	94.9	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: B1-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5
2.5°	818.1	826.9	821.0	806.2	788.4	764.8	743.9	743.9	741.1	732.1	735.1
5°	1073.0	1076.0	1064.2	1028.5	995.9	945.5	889.2	883.3	877.3	868.5	865.6
7.5°	1322.1	1333.8	1322.1	1283.4	1218.2	1141.2	1052.3	1043.5	1025.6	1025.6	1013.8
10°	1577.0	1577.0	1565.1	1520.6	1461.2	1351.6	1238.9	1224.2	1203.5	1197.5	1179.7
12.5°	1757.7	1757.7	1751.8	1728.2	1680.7	1582.9	1446.5	1431.7	1405.1	1396.1	1375.4
15°	1828.8	1828.8	1831.9	1852.6	1855.6	1811.2	1668.8	1656.9	1630.3	1606.5	1597.7
17.5°	1873.3	1870.4	1870.4	1900.1	1953.4	1983.1	1891.1	1879.2	1849.7	1837.8	1808.1
20°	1971.2	1965.2	1947.4	1947.4	1997.8	2101.5	2101.5	2098.6	2066.0	2057.0	2042.3
22.5°	2116.4	2110.5	2057.0	2012.6	2036.3	2166.8	2288.3	2282.4	2270.5	2258.6	2249.8
25°	2353.5	2332.8	2240.8	2110.5	2089.8	2229.1	2430.5	2445.5	2454.3	2454.3	2460.2
27.5°	2712.2	2685.6	2522.5	2279.5	2187.5	2329.7	2587.7	2617.4	2644.0	2650.0	2676.6
30°	3210.1	3162.8	2928.6	2572.9	2362.5	2478.1	2819.0	2851.6	2890.1	2902.0	2943.4
32.5°	4028.2	4001.6	3776.4	3242.7	2792.2	2768.6	3142.1	3183.5	3233.9	3254.6	3305.0
35°	5273.3	5279.2	5095.4	4615.2	3992.8	3666.6	3720.1	3755.5	3773.3	3835.6	3862.3
37.5°	6118.0	6132.8	6174.4	5984.6	5540.0	5207.9	4790.0	4828.7	4736.7	4745.5	4748.6
40°	6580.4	6627.8	6871.0	7054.7	7019.1	6826.5	6491.5	6512.2	6340.3	6301.8	6115.0
42.5°	6888.6	6950.9	7339.3	7908.3	8198.8	8373.8	8296.7	8287.7	8154.4	8104.0	7946.8
45°	7081.4	7137.7	7626.8	8465.6	9135.5	9645.3	9855.7	9879.5	9766.8	9716.4	9586.1
47.5°	7072.4	7137.7	7662.2	8673.1	9660.2	10475.3	11068.2	11097.7	11165.9	11121.5	11130.3
50°	6681.2	6743.5	7271.1	8320.3	9506.0	10854.7	11939.6	12034.4	12144.1	12218.2	12253.9
52.5°	6206.9	6251.4	6719.8	7715.7	8847.9	10697.6	12455.3	12618.4	12781.4	12920.8	13018.5
55°	6032.0	6082.4	6449.9	7277.0	8320.3	10039.5	12695.4	12935.5	13166.8	13395.1	13581.7
57.5°	6124.0	6171.3	6435.2	7069.5	8006.2	9346.0	12763.6	13137.1	13516.6	13887.0	14254.6
60°	6461.8	6512.2	6737.6	7262.1	7923.2	8945.8	12496.9	13116.4	13747.7	14393.9	15001.6
62.5°	6328.4	6349.1	6681.2	7600.1	8516.0	8604.9	11527.6	12393.2	13356.5	14352.5	15333.5
63°	6201.0	6224.8	6562.6	7508.2	8696.9	8554.5	11228.2	12141.2	13157.8	14230.8	15298.0
65°	5623.0	5625.9	5883.8	6630.8	8495.3	8643.4	9894.4	10765.8	11933.6	13220.1	14568.8
67.5°	4197.2	4176.5	4425.5	4994.6	6669.4	8646.5	8492.2	8981.5	9793.6	10934.8	12144.1
70°	1488.1	1455.5	1858.5	2646.9	4155.7	7072.4	7297.7	7330.3	7555.7	8172.2	8931.1
72.5°	483.1	492.1	592.7	969.3	1914.8	4760.5	6607.1	6506.3	6447.1	6444.0	6544.8
75°	192.6	195.7	237.1	429.8	859.7	2294.3	5786.1	5842.3	5863.1	5892.7	5925.4
77.5°	91.8	100.8	133.4	240.1	426.8	1135.3	4140.9	4618.1	4890.8	5101.4	5228.8
80°	32.6	38.5	74.2	148.1	198.5	521.6	2181.6	2632.1	3032.3	3548.2	3992.8
82.5°	0.0	0.0	14.8	103.7	109.6	210.4	895.1	1049.2	1200.4	1556.1	1997.8
85°	0.0	0.0	0.0	29.7	32.6	35.6	302.4	364.7	409.1	477.2	551.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.8	17.8	44.5	68.2
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°	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5
2.5°	729.2	726.3	726.3	720.4	717.3	711.4	708.5	699.5	696.6	696.6	696.6
5°	862.6	850.7	844.7	830.0	821.0	818.1	803.3	797.4	788.4	791.5	776.5
7.5°	1010.7	990.0	981.2	960.3	954.5	933.7	927.7	913.0	904.1	886.3	880.4
10°	1173.8	1147.1	1132.4	1099.6	1090.8	1076.0	1058.2	1040.4	1025.6	1007.8	999.0
12.5°	1360.6	1336.9	1325.0	1280.5	1259.8	1238.9	1215.4	1191.6	1167.8	1153.1	1132.4
15°	1579.9	1541.3	1529.5	1488.1	1452.4	1425.8	1393.2	1363.5	1345.7	1316.2	1295.3
17.5°	1796.2	1757.7	1748.9	1686.6	1648.1	1630.3	1594.8	1556.1	1523.5	1494.0	1461.2
20°	2012.6	1985.9	1962.2	1903.0	1861.6	1831.9	1784.3	1745.8	1719.2	1677.8	1636.2
22.5°	2229.1	2202.3	2184.7	2122.4	2083.9	2042.3	2000.9	1959.3	1920.8	1870.4	1823.0
25°	2451.4	2433.6	2424.6	2368.4	2332.8	2294.3	2252.7	2205.4	2157.8	2101.5	2051.3
27.5°	2682.5	2688.5	2670.7	2658.8	2620.3	2593.6	2528.5	2495.9	2460.2	2392.0	2329.7
30°	2975.9	2993.8	2987.8	2996.8	2973.1	2955.2	2904.8	2863.4	2821.9	2756.7	2685.6
32.5°	3346.6	3370.3	3382.0	3414.8	3402.9	3397.0	3382.0	3322.8	3293.1	3180.6	3150.9
35°	3918.6	3906.7	3957.1	3983.8	3971.9	3966.1	3948.3	3915.7	3880.1	3800.0	3726.0
37.5°	4662.5	4674.4	4692.2	4639.0	4603.3	4600.4	4547.0	4514.4	4464.0	4375.1	4286.2
40°	6026.0	5952.1	5869.1	5643.7	5546.0	5489.6	5332.5	5288.0	5202.0	5080.5	4988.7
42.5°	7798.7	7724.5	7475.6	7099.2	6897.6	6619.0	6491.5	6334.4	6212.9	6014.3	5907.6
45°	9559.4	9346.0	9316.3	8877.6	8628.7	8261.1	8032.9	7769.0	7493.4	7232.6	7042.9
47.5°	11044.4	10996.9	10851.8	10584.9	10353.8	10045.4	9752.0	9346.0	9061.4	8690.9	8350.0
50°	12233.0	12230.1	12176.6	12022.6	11830.0	11581.0	11323.1	10979.3	10656.2	10202.6	9838.1
52.5°	13122.4	13169.7	13187.5	13140.0	13066.0	12846.6	12716.3	12428.6	12155.9	11770.6	11376.4
55°	13774.3	13949.3	14038.2	14139.0	14118.3	14041.3	14035.3	13848.5	13724.1	13418.6	13140.0
57.5°	14580.7	14868.2	15143.8	15633.0	15650.6	15822.7	15911.6	16000.6	16024.1	15902.6	15810.8
60°	15606.2	16193.2	16714.8	17737.6	18004.3	18425.2	18697.9	18994.3	19246.1	19267.0	19261.1
62.5°	16329.4	17233.6	18075.4	19593.0	20111.8	20597.9	20962.4	21250.1	21424.9	21602.7	21685.7
63°	16350.3	17340.3	18235.4	19800.5	20345.9	20808.4	21155.2	21422.0	21605.8	21712.3	21765.8
65°	15849.4	17049.8	18116.8	19676.0	20188.8	20654.3	20835.0	21010.0	21098.9	21140.3	20983.1
67.5°	13433.6	14607.4	15852.2	17595.2	18033.8	18591.1	18739.4	18828.4	18869.8	18860.9	18727.6
70°	10045.4	11029.7	12413.9	14405.8	14986.8	15532.2	15870.1	16015.3	16062.7	16047.9	15849.4
72.5°	7013.2	7591.1	8732.3	10949.6	11741.0	12440.5	12858.5	13074.8	13119.3	13030.4	12846.6
75°	5889.8	5919.5	6177.2	7389.5	8130.6	8877.6	9348.8	9485.3	9396.4	9126.5	8658.4
77.5°	5258.3	5323.7	5323.7	5504.4	5649.7	5857.2	5901.7	5569.6	5184.4	4686.3	4283.3
80°	4410.7	4639.0	4799.0	4932.4	4947.1	4905.7	4795.9	4609.3	4312.8	3933.4	3512.5
82.5°	2679.7	3130.2	3314.0	4001.6	4339.4	4567.7	4550.0	4300.9	4075.7	3681.5	3322.8
85°	675.9	729.2	791.5	1028.5	1153.1	1408.0	1568.0	1642.1	1668.8	1532.5	1387.3
87.5°	65.2	44.5	74.2	56.3	80.1	59.2	80.1	74.2	91.8	97.7	106.7
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°	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5
2.5°	690.7	687.6	684.7	681.8	678.8	675.9	670.0	670.0	664.0	661.0	658.1
5°	767.7	761.8	758.9	752.9	743.9	738.0	729.2	717.3	708.5	705.4	699.5
7.5°	865.6	850.7	844.7	835.9	824.0	806.2	794.3	785.5	770.8	761.8	743.9
10°	975.2	960.3	942.7	924.8	907.0	886.3	871.4	859.7	835.9	824.0	803.3
12.5°	1114.6	1087.9	1067.0	1043.5	1019.7	995.9	978.1	942.7	921.8	895.1	877.3
15°	1256.8	1233.0	1209.4	1179.7	1144.1	1105.6	1087.9	1055.2	1028.5	987.1	963.4
17.5°	1428.7	1384.2	1348.7	1313.1	1280.5	1244.9	1209.4	1159.0	1120.5	1084.9	1037.5
20°	1597.7	1544.4	1505.7	1458.4	1411.0	1354.7	1313.1	1277.5	1224.2	1176.8	1126.4
22.5°	1778.4	1725.1	1662.8	1615.5	1550.3	1505.7	1449.5	1390.1	1336.9	1274.6	1212.3
25°	1997.8	1941.5	1870.4	1808.1	1733.9	1671.8	1603.6	1535.4	1470.2	1399.1	1319.0
27.5°	2267.6	2208.2	2131.2	2057.0	1959.3	1882.3	1817.1	1725.1	1642.1	1553.2	1461.2
30°	2608.4	2543.2	2448.4	2341.6	2243.9	2157.8	2066.0	1944.5	1852.6	1745.8	1627.4
32.5°	3053.2	2975.9	2848.5	2747.7	2626.2	2513.5	2386.1	2264.6	2134.3	1994.9	1858.5
35°	3613.3	3542.2	3393.9	3245.8	3112.4	2979.0	2819.0	2679.7	2495.9	2326.9	2151.9
37.5°	4194.4	4066.7	3930.5	3770.5	3604.3	3444.3	3248.6	3056.0	2845.6	2661.8	2442.4
40°	4858.2	4704.1	4591.4	4419.5	4185.4	3957.1	3776.4	3536.3	3272.4	3026.3	2768.6
42.5°	5768.3	5596.4	5394.8	5134.0	4964.9	4698.2	4464.0	4179.4	3832.6	3557.0	3245.8
45°	6820.6	6586.4	6390.7	6138.7	5934.2	5602.3	5329.6	4950.2	4603.3	4241.7	3862.3
47.5°	8021.0	7730.5	7445.9	7196.9	6871.0	6544.8	6198.1	5794.9	5350.3	4953.1	4502.5
50°	9399.2	8987.2	8593.0	8273.0	7825.3	7448.9	7072.4	6619.0	6126.8	5670.4	5157.5
52.5°	10931.8	10454.6	9932.9	9440.8	8922.1	8438.9	7985.3	7463.7	6915.4	6358.1	5786.1
55°	12781.4	12422.7	11809.3	11183.8	10490.0	9844.0	9259.9	8613.9	7946.8	7214.8	6613.0
57.5°	15677.5	15502.5	14989.7	14364.4	13460.2	12674.7	11684.7	10893.2	9927.0	8919.2	8142.5
60°	19602.0	19385.5	19098.0	18591.1	17873.8	16806.8	15716.0	14485.9	13015.6	11619.5	10294.6
62.5°	21694.7	21617.5	21383.5	21033.5	20363.8	19521.9	18422.3	17070.5	15410.7	13715.1	12025.6
63°	21756.8	21659.0	21457.4	21101.8	20511.9	19696.9	18617.8	17304.7	15680.3	13952.3	12227.0
65°	20915.1	20876.6	20671.9	20283.7	19880.6	19258.0	18422.3	17292.8	15929.3	14296.1	12579.8
67.5°	18549.7	18434.0	18119.9	18001.3	17719.7	17286.8	16649.6	15872.9	14897.9	13614.3	12132.2
70°	15689.2	15517.3	15123.1	14912.6	14568.8	14296.1	13907.9	13353.5	12751.7	11856.6	10751.0
72.5°	12656.9	12301.2	11939.6	11391.3	10911.1	10424.9	9995.0	9603.9	8942.8	8581.1	7742.3
75°	8219.5	7573.3	6953.9	6124.0	5377.0	4716.0	4072.7	3746.7	3067.9	2792.2	2398.0
77.5°	3900.8	3539.2	3053.2	2676.6	2196.4	1793.3	1464.3	1099.6	862.6	675.9	515.7
80°	3147.8	2842.6	2549.2	2208.2	1846.6	1473.1	1129.3	844.7	598.7	414.9	293.4
82.5°	2807.1	2475.0	2113.4	1879.2	1633.3	1336.9	1096.7	895.1	661.0	483.1	329.0
85°	1090.8	918.9	708.5	578.0	450.5	370.4	335.0	231.1	180.9	142.2	109.6
87.5°	94.9	77.0	62.3	41.6	44.5	23.8	26.6	17.8	14.8	14.8	11.9
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°	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5	625.5
2.5°	655.0	652.1	649.1	643.1	643.1	637.4	634.3	631.4	616.5	583.9	557.3
5°	687.6	681.8	675.9	666.9	661.0	652.1	646.2	637.4	604.6	542.5	489.1
7.5°	735.1	723.2	714.4	696.6	687.6	675.9	666.9	652.1	598.7	503.8	429.8
10°	791.5	770.8	755.8	735.1	717.3	702.5	687.6	666.9	592.7	462.4	376.4
12.5°	859.7	835.9	806.2	782.5	758.9	738.0	717.3	690.7	583.9	426.8	335.0
15°	927.7	892.3	871.4	838.8	806.2	776.5	747.0	723.2	587.0	388.3	299.3
17.5°	1004.8	969.3	924.8	889.2	853.7	815.2	779.6	732.1	572.0	358.7	272.7
20°	1078.9	1028.5	987.1	942.7	892.3	844.7	800.3	758.9	560.2	329.0	248.9
22.5°	1159.0	1099.6	1046.3	990.0	927.7	874.4	821.0	767.7	539.5	302.4	228.2
25°	1256.8	1188.5	1111.5	1043.5	978.1	913.0	844.7	779.6	518.8	278.6	213.5
27.5°	1375.4	1286.5	1209.4	1123.4	1031.6	948.6	874.4	803.3	498.1	260.8	198.5
30°	1526.6	1422.7	1313.1	1203.5	1105.6	1010.7	907.0	818.1	477.2	243.0	183.8
32.5°	1728.2	1597.7	1464.3	1336.9	1206.4	1084.9	975.2	859.7	465.3	228.2	169.0
35°	1994.9	1825.9	1662.8	1502.8	1345.7	1197.5	1055.2	924.8	465.3	210.4	151.2
37.5°	2246.8	2051.3	1843.7	1645.0	1458.4	1286.5	1117.4	960.3	441.7	195.7	136.4
40°	2519.5	2285.3	2042.3	1808.1	1582.9	1369.4	1176.8	995.9	420.8	177.8	121.5
42.5°	2937.4	2641.1	2324.0	2051.3	1781.5	1517.6	1277.5	1064.2	394.2	160.0	106.7
45°	3485.9	3109.3	2736.0	2403.9	2060.1	1737.0	1452.4	1188.5	388.3	145.3	91.8
47.5°	4072.7	3628.1	3189.4	2765.5	2362.5	1985.9	1645.0	1327.9	388.3	130.5	80.1
50°	4656.6	4099.5	3631.1	3139.0	2685.6	2240.8	1834.7	1473.1	391.3	118.6	65.2
52.5°	5184.4	4588.6	4063.9	3494.7	2993.8	2478.1	2036.3	1615.5	385.4	103.7	53.3
55°	5916.4	5216.9	4609.3	3980.9	3393.9	2813.0	2312.1	1828.8	388.3	91.8	44.5
57.5°	7265.2	6444.0	5711.9	4887.9	4212.0	3462.1	2854.4	2267.6	423.9	77.0	32.6
60°	9200.7	8133.7	7105.1	6100.2	5240.7	4348.4	3559.9	2869.4	498.1	62.3	23.8
62.5°	10501.9	9105.8	7878.8	6770.2	5771.2	4837.5	3977.8	3192.3	548.3	50.4	14.8
63°	10635.3	9191.9	7958.7	6814.6	5794.9	4861.3	3995.6	3216.1	551.3	47.3	14.8
65°	10887.3	9340.0	8003.2	6823.4	5771.2	4828.7	3983.8	3213.2	557.3	38.5	11.9
67.5°	10599.8	9111.8	7745.4	6568.6	5563.6	4635.9	3835.6	3094.6	554.2	26.6	8.8
70°	9479.3	8246.3	7045.7	5949.0	5036.0	4197.2	3491.8	2821.9	509.8	17.8	5.9
72.5°	6959.9	6120.9	5190.3	4398.8	3794.0	3150.9	2688.5	2119.3	394.2	11.9	2.9
75°	2063.0	1879.2	1579.9	1393.2	1230.1	1016.6	904.1	705.4	201.6	5.9	0.0
77.5°	412.0	373.5	335.0	305.3	287.5	246.1	234.2	192.6	83.0	2.9	0.0
80°	216.4	177.8	151.2	133.4	115.6	94.9	80.1	65.2	14.8	0.0	0.0
82.5°	207.5	139.3	100.8	83.0	71.1	56.3	44.5	32.6	8.8	0.0	0.0
85°	77.0	59.2	44.5	35.6	29.7	26.6	20.7	17.8	0.0	0.0	0.0
87.5°	11.9	8.8	8.8	5.9	5.9	2.9	2.9	2.9	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°	625.5	625.5	625.5	625.5	625.5	625.5	625.5
2.5°	530.6	506.9	495.0	480.2	480.2	477.2	483.1
5°	441.7	409.1	385.4	367.6	370.4	361.6	364.7
7.5°	373.5	340.9	320.0	308.3	305.3	302.4	302.4
10°	323.1	293.4	275.6	266.8	263.9	263.9	263.9
12.5°	287.5	257.9	243.0	237.1	237.1	234.2	234.2
15°	257.9	234.2	219.4	213.5	213.5	210.4	213.5
17.5°	234.2	210.4	198.5	192.6	192.6	189.7	189.7
20°	213.5	192.6	180.9	171.9	171.9	169.0	171.9
22.5°	195.7	175.0	160.0	154.1	151.2	148.1	151.2
25°	177.8	157.1	142.2	133.4	130.5	130.5	127.4
27.5°	163.1	142.2	124.6	115.6	112.7	112.7	109.6
30°	148.1	124.6	106.7	97.7	94.9	94.9	94.9
32.5°	133.4	106.7	91.8	83.0	80.1	80.1	80.1
35°	118.6	91.8	77.0	68.2	65.2	65.2	65.2
37.5°	100.8	77.0	59.2	53.3	50.4	47.3	47.3
40°	86.0	59.2	44.5	38.5	32.6	32.6	32.6
42.5°	71.1	47.3	32.6	23.8	20.7	17.8	20.7
45°	59.2	35.6	20.7	11.9	8.8	8.8	8.8
47.5°	47.3	23.8	8.8	2.9	2.9	2.9	2.9
50°	35.6	14.8	2.9	0.0	0.0	2.9	2.9
52.5°	26.6	8.8	0.0	0.0	0.0	0.0	0.0
55°	14.8	2.9	0.0	0.0	0.0	0.0	0.0
57.5°	8.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	5.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.9	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)