

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: P164976

Luminaire Tested: **VTS-E09-LED-E1-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164976
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-7030
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (189) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

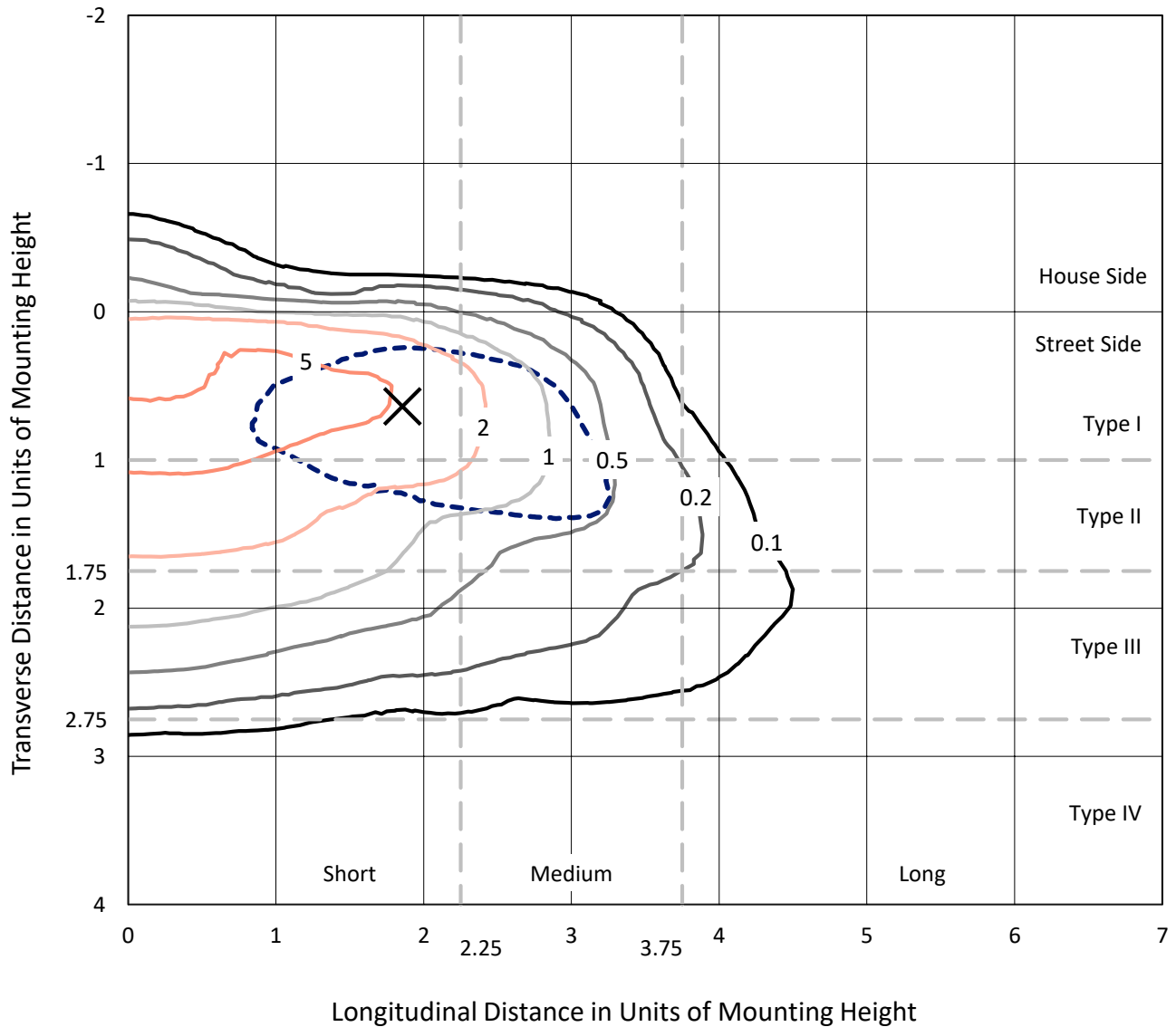
Lumens per Lamp: N/A
Luminaire Lumens: 14892.1 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

Input Watts (W): 225.7
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

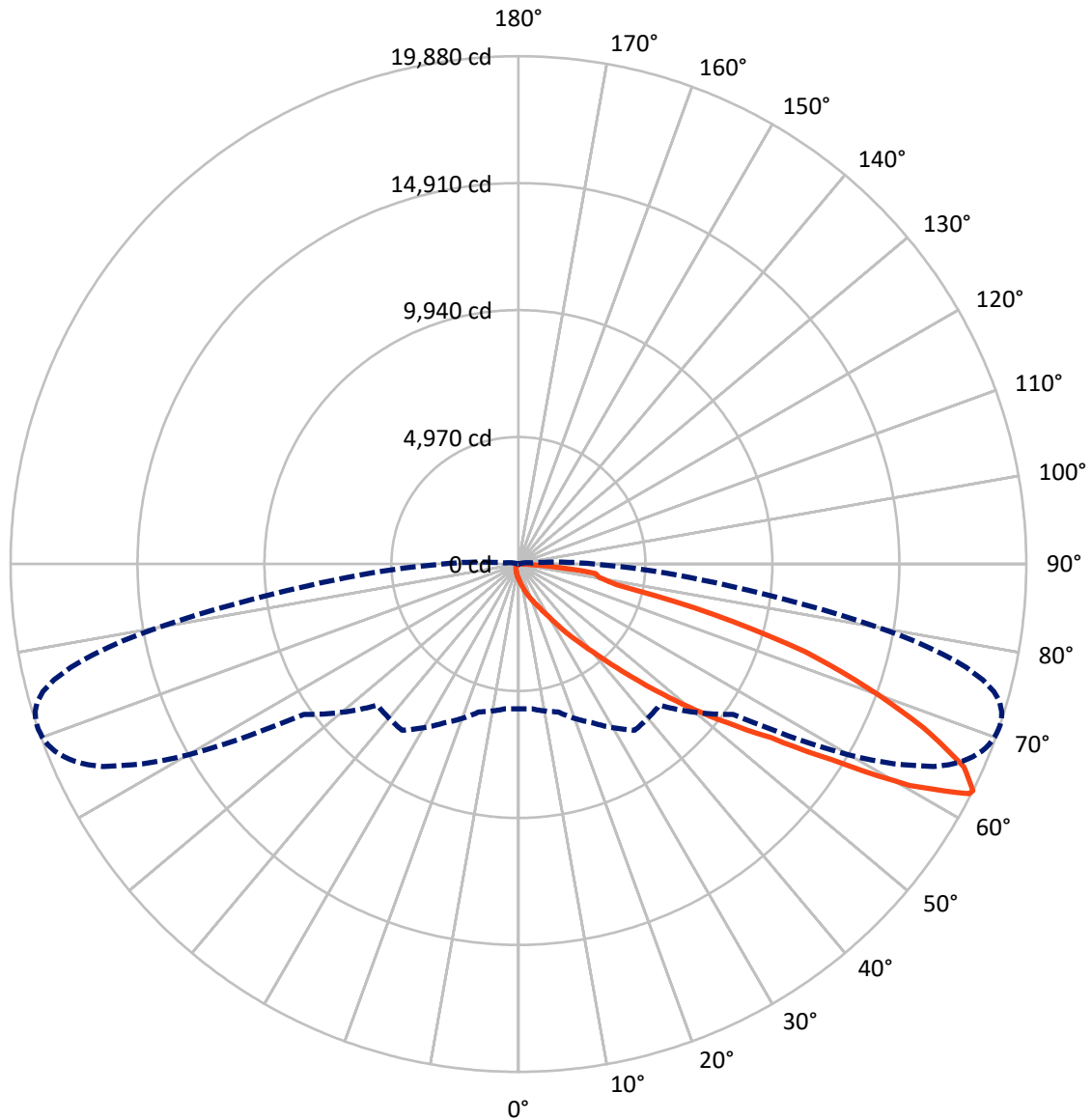
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 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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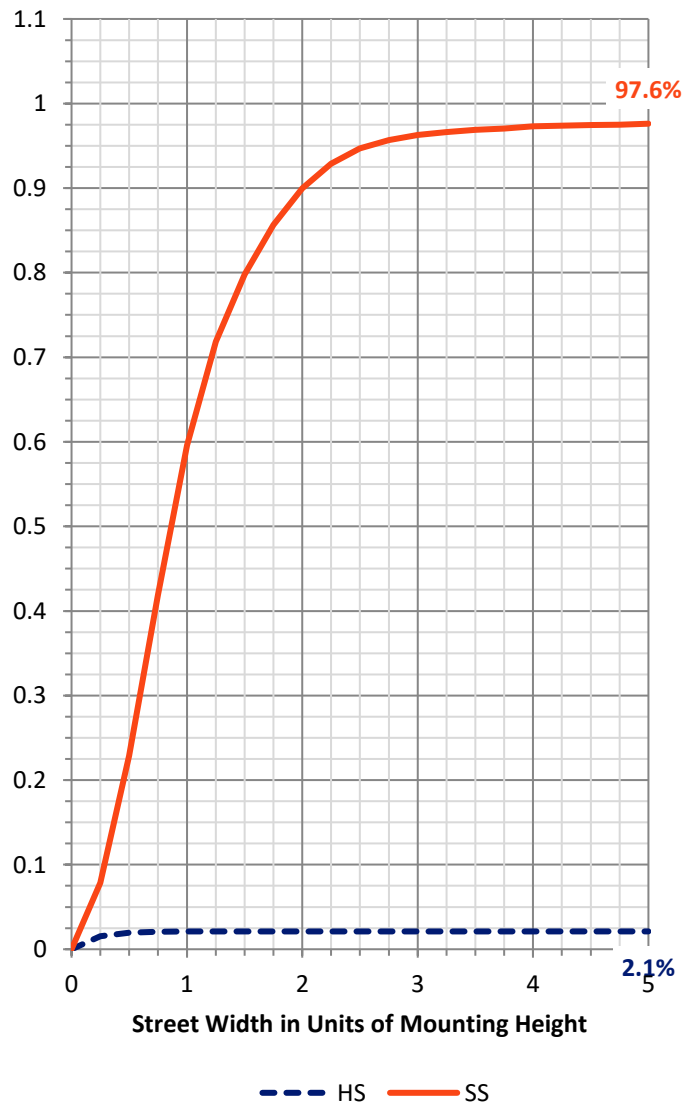
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	316.2	0.0	316.2
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	14576.0	0.0	14576.0
	% Fixture	97.9	0.0	97.9
Total	Lumens	14892.1	0.0	14892.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	0.4
10°-20°	244.9	1.6
20°-30°	497.4	3.3
30°-40°	1215.1	8.2
40°-50°	2717.5	18.2
50°-60°	3821.2	25.7
60°-70°	4493.4	30.2
70°-80°	1622.5	10.9
80°-90°	217.0	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°	14892.1	100.0
0°-180°	14892.1	100.0



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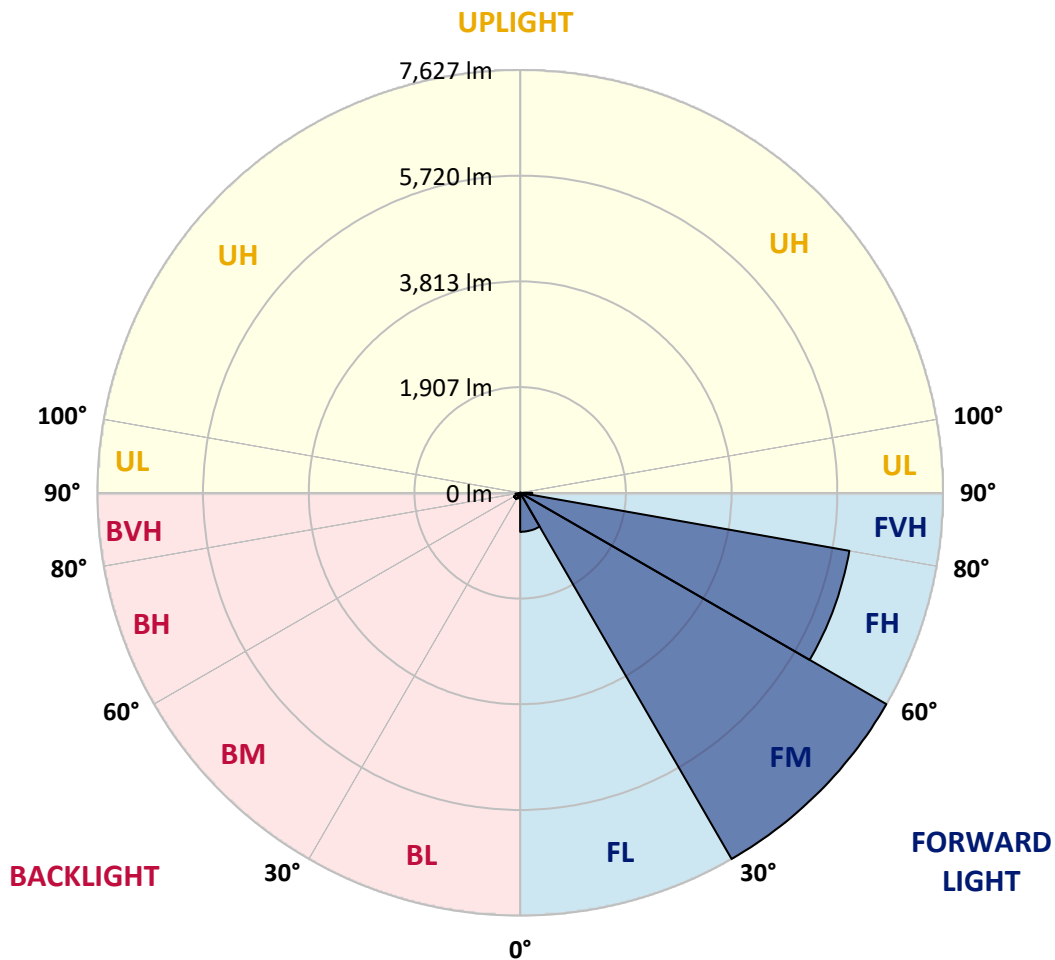
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	703.7	4.7			
FM (30°-60°)	7626.5	51.2			
FH (60°-80°)	6029.3	40.5			G3/7500
FVH (80°-90°)	216.5	1.5			G2/225
BL (0°-30°)	101.7	0.7	B0/110		
BM (30°-60°)	127.4	0.9	B0/220		
BH (60°-80°)	86.7	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°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	747.2	755.3	749.8	736.4	720.1	698.5	679.5	679.5	676.8	668.6	671.4
5°	980.0	982.8	972.0	939.4	909.6	863.6	812.2	806.7	801.3	793.2	790.6
7.5°	1207.5	1218.2	1207.5	1172.2	1112.7	1042.3	961.1	953.0	936.8	936.8	925.9
10°	1440.3	1440.3	1429.5	1388.9	1334.6	1234.5	1131.6	1118.1	1099.2	1093.8	1077.5
12.5°	1605.4	1605.4	1600.0	1578.4	1535.0	1445.8	1321.1	1307.7	1283.3	1275.1	1256.2
15°	1670.3	1670.3	1673.1	1692.0	1694.8	1654.2	1524.2	1513.3	1489.0	1467.3	1459.2
17.5°	1710.9	1708.3	1708.3	1735.4	1784.1	1811.2	1727.2	1716.4	1689.4	1678.6	1651.4
20°	1800.4	1795.0	1778.7	1778.7	1824.7	1919.4	1919.4	1916.8	1887.0	1878.8	1865.3
22.5°	1933.1	1927.6	1878.8	1838.2	1859.9	1979.1	2090.1	2084.6	2073.8	2062.9	2054.9
25°	2149.6	2130.7	2046.7	1927.6	1908.7	2036.0	2219.9	2233.6	2241.6	2241.6	2247.1
27.5°	2477.2	2452.9	2303.9	2082.0	1998.0	2127.9	2363.5	2390.6	2414.9	2420.3	2444.7
30°	2932.0	2888.7	2674.8	2350.0	2157.8	2263.3	2574.7	2604.5	2639.7	2650.5	2688.3
32.5°	3679.2	3654.8	3449.2	2961.7	2550.2	2528.7	2869.8	2907.6	2953.7	2972.6	3018.6
35°	4816.4	4821.8	4653.9	4215.3	3646.8	3348.9	3397.7	3430.1	3446.4	3503.3	3527.6
37.5°	5587.9	5601.4	5639.4	5466.1	5060.0	4756.7	4374.9	4410.3	4326.3	4334.3	4337.1
40°	6010.2	6053.5	6275.6	6443.4	6410.9	6235.0	5929.0	5947.9	5790.9	5755.8	5585.1
42.5°	6291.7	6348.6	6703.4	7223.0	7488.4	7648.2	7577.8	7569.6	7447.8	7401.8	7258.2
45°	6467.8	6519.2	6965.9	7732.0	8343.9	8809.5	9001.7	9023.4	8920.5	8874.5	8755.4
47.5°	6459.6	6519.2	6998.3	7921.6	8823.2	9567.6	10109.1	10136.1	10198.4	10157.8	10165.9
50°	6102.3	6159.2	6641.1	7599.4	8682.3	9914.2	10905.0	10991.7	11091.8	11159.5	11192.1
52.5°	5669.1	5709.7	6137.5	7047.1	8081.2	9770.6	11376.0	11525.0	11673.9	11801.2	11890.5
55°	5509.3	5555.3	5891.1	6646.5	7599.4	9169.6	11595.3	11814.7	12025.9	12234.4	12404.9
57.5°	5593.3	5636.6	5877.6	6456.9	7312.5	8536.1	11657.7	11998.8	12345.4	12683.7	13019.4
60°	5901.9	5947.9	6153.8	6632.8	7236.7	8170.7	11414.0	11979.9	12556.4	13146.7	13701.7
62.5°	5780.1	5799.0	6102.3	6941.6	7778.1	7859.3	10528.7	11319.3	12199.2	13108.8	14004.8
63°	5663.7	5685.4	5994.0	6857.6	7943.3	7813.3	10255.3	11089.2	12017.7	12997.7	13972.5
65°	5135.8	5138.4	5374.0	6056.3	7759.2	7894.5	9037.1	9832.9	10899.6	12074.6	13306.5
67.5°	3833.6	3814.6	4042.0	4561.9	6091.5	7897.3	7756.4	8203.2	8945.0	9987.3	11091.8
70°	1359.1	1329.4	1697.5	2417.5	3795.6	6459.6	6665.4	6695.2	6901.0	7464.1	8157.2
72.5°	441.3	449.5	541.4	885.3	1748.9	4348.0	6034.6	5942.5	5888.4	5885.6	5977.7
75°	175.9	178.7	216.5	392.6	785.2	2095.5	5284.7	5336.0	5355.1	5382.1	5412.0
77.5°	83.8	92.1	121.8	219.3	389.8	1036.9	3782.1	4217.9	4467.0	4659.3	4775.7
80°	29.8	35.2	67.7	135.3	181.3	476.4	1992.6	2404.1	2769.5	3240.7	3646.8
82.5°	0.0	0.0	13.5	94.7	100.1	192.2	817.6	958.3	1096.4	1421.3	1824.7
85°	0.0	0.0	0.0	27.1	29.8	32.6	276.2	333.1	373.7	435.8	503.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	8.1	16.3	40.6	62.3
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°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	666.0	663.4	663.4	657.9	655.1	649.7	647.1	638.9	636.2	636.2	636.2
5°	787.8	777.0	771.5	758.1	749.8	747.2	733.7	728.3	720.1	722.9	709.2
7.5°	923.1	904.2	896.2	877.1	871.8	852.8	847.3	833.9	825.8	809.5	804.1
10°	1072.1	1047.7	1034.3	1004.3	996.3	982.8	966.5	950.2	936.8	920.5	912.4
12.5°	1242.7	1221.0	1210.2	1169.6	1150.7	1131.6	1110.0	1088.3	1066.6	1053.2	1034.3
15°	1443.0	1407.8	1396.9	1359.1	1326.6	1302.2	1272.5	1245.4	1229.1	1202.1	1183.0
17.5°	1640.6	1605.4	1597.3	1540.5	1505.3	1489.0	1456.6	1421.3	1391.5	1364.5	1334.6
20°	1838.2	1813.9	1792.2	1738.1	1700.3	1673.1	1629.7	1594.5	1570.2	1532.4	1494.4
22.5°	2036.0	2011.5	1995.4	1938.5	1903.3	1865.3	1827.5	1789.5	1754.3	1708.3	1665.1
25°	2239.0	2222.7	2214.5	2163.2	2130.7	2095.5	2057.5	2014.3	1970.9	1919.4	1873.5
27.5°	2450.1	2455.5	2439.2	2428.4	2393.2	2368.9	2309.4	2279.6	2247.1	2184.8	2127.9
30°	2718.1	2734.4	2728.9	2737.1	2715.4	2699.2	2653.1	2615.3	2577.3	2517.8	2452.9
32.5°	3056.6	3078.3	3089.0	3118.9	3108.0	3102.6	3089.0	3034.9	3007.8	2905.0	2877.9
35°	3579.1	3568.2	3614.2	3638.6	3627.7	3622.5	3606.2	3576.4	3543.9	3470.7	3403.1
37.5°	4258.5	4269.4	4285.7	4237.0	4204.4	4201.8	4153.0	4123.2	4077.2	3996.0	3914.8
40°	5503.9	5436.3	5360.5	5154.7	5065.4	5014.0	4870.4	4829.8	4751.2	4640.3	4556.4
42.5°	7122.9	7055.2	6827.8	6484.1	6299.9	6045.4	5929.0	5785.5	5674.5	5493.2	5395.7
45°	8731.1	8536.1	8509.0	8108.4	7881.0	7545.3	7336.8	7095.8	6844.1	6605.9	6432.6
47.5°	10087.4	10044.0	9911.5	9667.7	9456.6	9175.0	8907.0	8536.1	8276.2	7937.9	7626.5
50°	11173.0	11170.4	11121.5	10980.8	10804.9	10577.5	10341.9	10027.9	9732.8	9318.5	8985.6
52.5°	11985.3	12028.5	12044.8	12001.4	11933.9	11733.4	11614.4	11351.7	11102.6	10750.6	10390.6
55°	12580.8	12740.6	12821.8	12913.9	12895.0	12824.6	12819.2	12648.5	12534.9	12255.9	12001.4
57.5°	13317.3	13579.9	13831.6	14278.4	14294.5	14451.7	14532.9	14614.1	14635.7	14524.7	14440.8
60°	14253.9	14790.0	15266.5	16200.6	16444.3	16828.6	17077.7	17348.5	17578.5	17597.5	17592.1
62.5°	14914.5	15740.3	16509.2	17895.3	18369.1	18813.1	19146.1	19408.8	19568.4	19730.8	19806.6
63°	14933.6	15837.8	16655.3	18084.8	18583.0	19005.3	19322.1	19565.8	19733.6	19831.0	19879.8
65°	14476.0	15572.4	16547.0	17971.1	18439.4	18864.6	19029.7	19189.5	19270.7	19308.5	19165.0
67.5°	12269.6	13341.6	14478.6	16070.6	16471.2	16980.2	17115.7	17196.9	17234.7	17226.6	17104.8
70°	9175.0	10074.0	11338.2	13157.5	13688.2	14186.3	14494.9	14627.6	14670.8	14657.4	14476.0
72.5°	6405.5	6933.4	7975.7	10000.8	10723.7	11362.6	11744.3	11941.9	11982.5	11901.3	11733.4
75°	5379.4	5406.6	5642.0	6749.2	7426.1	8108.4	8538.8	8663.4	8582.2	8335.7	7908.1
77.5°	4802.7	4862.4	4862.4	5027.4	5160.1	5349.7	5390.3	5087.0	4735.1	4280.2	3912.1
80°	4028.5	4237.0	4383.2	4505.0	4518.5	4480.6	4380.4	4209.9	3939.1	3592.5	3208.2
82.5°	2447.5	2859.0	3026.8	3654.8	3963.4	4171.9	4155.8	3928.2	3722.6	3362.5	3034.9
85°	617.3	666.0	722.9	939.4	1053.2	1286.0	1432.1	1499.8	1524.2	1399.7	1267.1
87.5°	59.5	40.6	67.7	51.5	73.2	54.1	73.2	67.7	83.8	89.3	97.5
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	630.8	628.0	625.4	622.8	620.0	617.3	611.9	611.9	606.5	603.7	601.1
5°	701.2	695.8	693.1	687.7	679.5	674.1	666.0	655.1	647.1	644.3	638.9
7.5°	790.6	777.0	771.5	763.5	752.6	736.4	725.5	717.5	704.0	695.8	679.5
10°	890.7	877.1	861.0	844.7	828.4	809.5	795.9	785.2	763.5	752.6	733.7
12.5°	1018.0	993.7	974.6	953.0	931.3	909.6	893.4	861.0	841.9	817.6	801.3
15°	1147.9	1126.2	1104.6	1077.5	1044.9	1009.8	993.7	963.7	939.4	901.6	879.9
17.5°	1304.9	1264.3	1231.9	1199.3	1169.6	1137.0	1104.6	1058.6	1023.4	990.9	947.6
20°	1459.2	1410.6	1375.2	1332.0	1288.8	1237.3	1199.3	1166.8	1118.1	1074.9	1028.8
22.5°	1624.3	1575.6	1518.8	1475.5	1416.0	1375.2	1323.9	1269.7	1221.0	1164.1	1107.3
25°	1824.7	1773.3	1708.3	1651.4	1583.7	1527.0	1464.7	1402.4	1342.8	1277.9	1204.7
27.5°	2071.1	2016.9	1946.5	1878.8	1789.5	1719.2	1659.6	1575.6	1499.8	1418.6	1334.6
30°	2382.4	2322.9	2236.2	2138.7	2049.4	1970.9	1887.0	1776.0	1692.0	1594.5	1486.4
32.5°	2788.6	2718.1	2601.7	2509.6	2398.6	2295.7	2179.3	2068.4	1949.3	1822.1	1697.5
35°	3300.2	3235.3	3099.8	2964.5	2842.7	2720.9	2574.7	2447.5	2279.6	2125.2	1965.4
37.5°	3830.9	3714.4	3589.9	3443.8	3292.0	3145.9	2967.1	2791.2	2599.0	2431.2	2230.8
40°	4437.2	4296.5	4193.6	4036.6	3822.7	3614.2	3449.2	3229.9	2988.8	2764.1	2528.7
42.5°	5268.5	5111.5	4927.3	4689.1	4534.7	4291.1	4077.2	3817.3	3500.5	3248.8	2964.5
45°	6229.6	6015.7	5837.0	5606.8	5420.0	5116.9	4867.8	4521.2	4204.4	3874.2	3527.6
47.5°	7326.0	7060.6	6800.7	6573.3	6275.6	5977.7	5661.1	5292.8	4886.7	4523.9	4112.4
50°	8584.8	8208.5	7848.4	7556.1	7147.3	6803.5	6459.6	6045.4	5596.0	5179.0	4710.6
52.5°	9984.5	9548.7	9072.3	8622.8	8149.0	7707.7	7293.4	6817.0	6316.2	5807.2	5284.7
55°	11673.9	11346.3	10786.0	10214.7	9581.1	8991.0	8457.6	7867.5	7258.2	6589.6	6040.0
57.5°	14319.0	14159.2	13690.8	13119.7	12293.9	11576.4	10672.2	9949.3	9066.8	8146.3	7436.9
60°	17903.5	17705.7	17443.2	16980.2	16325.1	15350.5	14354.2	13230.7	11887.8	10612.7	9402.5
62.5°	19814.8	19744.3	19530.6	19211.0	18599.2	17830.3	16826.0	15591.3	14075.4	12526.7	10983.6
63°	19871.6	19782.3	19598.2	19273.3	18734.6	17990.1	17004.5	15805.2	14321.6	12743.4	11167.6
65°	19102.8	19067.6	18880.7	18526.1	18158.0	17589.3	16826.0	15794.4	14549.0	13057.4	11489.8
67.5°	16942.4	16836.7	16549.8	16441.5	16184.3	15788.9	15207.0	14497.6	13607.0	12434.6	11080.9
70°	14329.7	14172.7	13812.7	13620.5	13306.5	13057.4	12702.8	12196.4	11646.8	10829.2	9819.5
72.5°	11560.2	11235.3	10905.0	10404.2	9965.6	9521.6	9129.0	8771.7	8167.9	7837.6	7071.5
75°	7507.3	6917.1	6351.4	5593.3	4911.0	4307.4	3719.8	3422.0	2802.1	2550.2	2190.2
77.5°	3562.8	3232.5	2788.6	2444.7	2006.0	1637.9	1337.4	1004.3	787.8	617.3	471.0
80°	2875.1	2596.3	2328.3	2016.9	1686.6	1345.5	1031.5	771.5	546.8	378.9	268.0
82.5°	2563.9	2260.5	1930.3	1716.4	1491.8	1221.0	1001.7	817.6	603.7	441.3	300.5
85°	996.3	839.3	647.1	527.9	411.5	338.3	306.0	211.1	165.2	129.9	100.1
87.5°	86.6	70.4	56.9	38.0	40.6	21.7	24.3	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°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	598.3	595.6	592.8	587.4	587.4	582.2	579.4	576.7	563.1	533.3	509.0
5°	628.0	622.8	617.3	609.1	603.7	595.6	590.2	582.2	552.2	495.5	446.7
7.5°	671.4	660.6	652.5	636.2	628.0	617.3	609.1	595.6	546.8	460.2	392.6
10°	722.9	704.0	690.3	671.4	655.1	641.7	628.0	609.1	541.4	422.4	343.8
12.5°	785.2	763.5	736.4	714.7	693.1	674.1	655.1	630.8	533.3	389.8	306.0
15°	847.3	814.9	795.9	766.1	736.4	709.2	682.3	660.6	536.1	354.6	273.4
17.5°	917.7	885.3	844.7	812.2	779.8	744.6	712.0	668.6	522.5	327.7	249.1
20°	985.4	939.4	901.6	861.0	814.9	771.5	730.9	693.1	511.6	300.5	227.4
22.5°	1058.6	1004.3	955.7	904.2	847.3	798.7	749.8	701.2	492.7	276.2	208.5
25°	1147.9	1085.6	1015.2	953.0	893.4	833.9	771.5	712.0	473.8	254.5	195.0
27.5°	1256.2	1175.0	1104.6	1026.0	942.2	866.4	798.7	733.7	454.9	238.2	181.3
30°	1394.3	1299.4	1199.3	1099.2	1009.8	923.1	828.4	747.2	435.8	221.9	167.9
32.5°	1578.4	1459.2	1337.4	1221.0	1101.8	990.9	890.7	785.2	425.0	208.5	154.4
35°	1822.1	1667.7	1518.8	1372.6	1229.1	1093.8	963.7	844.7	425.0	192.2	138.1
37.5°	2052.1	1873.5	1684.0	1502.5	1332.0	1175.0	1020.6	877.1	403.4	178.7	124.6
40°	2301.1	2087.3	1865.3	1651.4	1445.8	1250.8	1074.9	909.6	384.4	162.4	111.0
42.5°	2682.9	2412.3	2122.6	1873.5	1627.1	1386.1	1166.8	972.0	360.0	146.2	97.5
45°	3183.8	2839.9	2498.9	2195.6	1881.6	1586.5	1326.6	1085.6	354.6	132.7	83.8
47.5°	3719.8	3313.7	2913.1	2525.9	2157.8	1813.9	1502.5	1212.8	354.6	119.2	73.2
50°	4253.1	3744.3	3316.5	2867.0	2452.9	2046.7	1675.8	1345.5	357.4	108.3	59.5
52.5°	4735.1	4191.0	3711.7	3191.9	2734.4	2263.3	1859.9	1475.5	352.0	94.7	48.7
55°	5403.8	4764.9	4209.9	3635.9	3099.8	2569.3	2111.8	1670.3	354.6	83.8	40.6
57.5°	6635.6	5885.6	5217.0	4464.4	3847.0	3162.1	2607.1	2071.1	387.2	70.4	29.8
60°	8403.5	7428.9	6489.5	5571.6	4786.6	3971.6	3251.4	2620.7	454.9	56.9	21.7
62.5°	9591.9	8316.8	7196.1	6183.5	5271.1	4418.3	3633.1	2915.7	500.8	46.0	13.5
63°	9713.8	8395.4	7269.1	6224.1	5292.8	4440.0	3649.4	2937.4	503.6	43.2	13.5
65°	9943.9	8530.7	7309.7	6232.2	5271.1	4410.3	3638.6	2934.8	509.0	35.2	10.9
67.5°	9681.4	8322.2	7074.3	5999.4	5081.5	4234.2	3503.3	2826.4	506.2	24.3	8.1
70°	8658.0	7531.8	6435.2	5433.5	4599.7	3833.6	3189.3	2577.3	465.6	16.3	5.4
72.5°	6356.8	5590.5	4740.6	4017.7	3465.3	2877.9	2455.5	1935.7	360.0	10.9	2.6
75°	1884.2	1716.4	1443.0	1272.5	1123.5	928.5	825.8	644.3	184.1	5.4	0.0
77.5°	376.3	341.1	306.0	278.8	262.6	224.7	213.9	175.9	75.8	2.6	0.0
80°	197.6	162.4	138.1	121.8	105.5	86.6	73.2	59.5	13.5	0.0	0.0
82.5°	189.6	127.2	92.1	75.8	64.9	51.5	40.6	29.8	8.1	0.0	0.0
85°	70.4	54.1	40.6	32.6	27.1	24.3	18.9	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°	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	484.7	463.0	452.1	438.6	438.6	435.8	441.3
5°	403.4	373.7	352.0	335.7	338.3	330.3	333.1
7.5°	341.1	311.4	292.3	281.6	278.8	276.2	276.2
10°	295.1	268.0	251.7	243.6	241.0	241.0	241.0
12.5°	262.6	235.6	221.9	216.5	216.5	213.9	213.9
15°	235.6	213.9	200.4	195.0	195.0	192.2	195.0
17.5°	213.9	192.2	181.3	175.9	175.9	173.3	173.3
20°	195.0	175.9	165.2	157.0	157.0	154.4	157.0
22.5°	178.7	159.8	146.2	140.7	138.1	135.3	138.1
25°	162.4	143.5	129.9	121.8	119.2	119.2	116.4
27.5°	148.9	129.9	113.8	105.5	102.9	102.9	100.1
30°	135.3	113.8	97.5	89.3	86.6	86.6	86.6
32.5°	121.8	97.5	83.8	75.8	73.2	73.2	73.2
35°	108.3	83.8	70.4	62.3	59.5	59.5	59.5
37.5°	92.1	70.4	54.1	48.7	46.0	43.2	43.2
40°	78.6	54.1	40.6	35.2	29.8	29.8	29.8
42.5°	64.9	43.2	29.8	21.7	18.9	16.3	18.9
45°	54.1	32.6	18.9	10.9	8.1	8.1	8.1
47.5°	43.2	21.7	8.1	2.6	2.6	2.6	2.6
50°	32.6	13.5	2.6	0.0	0.0	2.6	2.6
52.5°	24.3	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)