

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: P164975

Luminaire Tested: **VTS-E09-LED-E1-SL2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164975
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-8030
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, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13761.2 lumens
Efficiency: N/A
Efficacy: 61.0 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

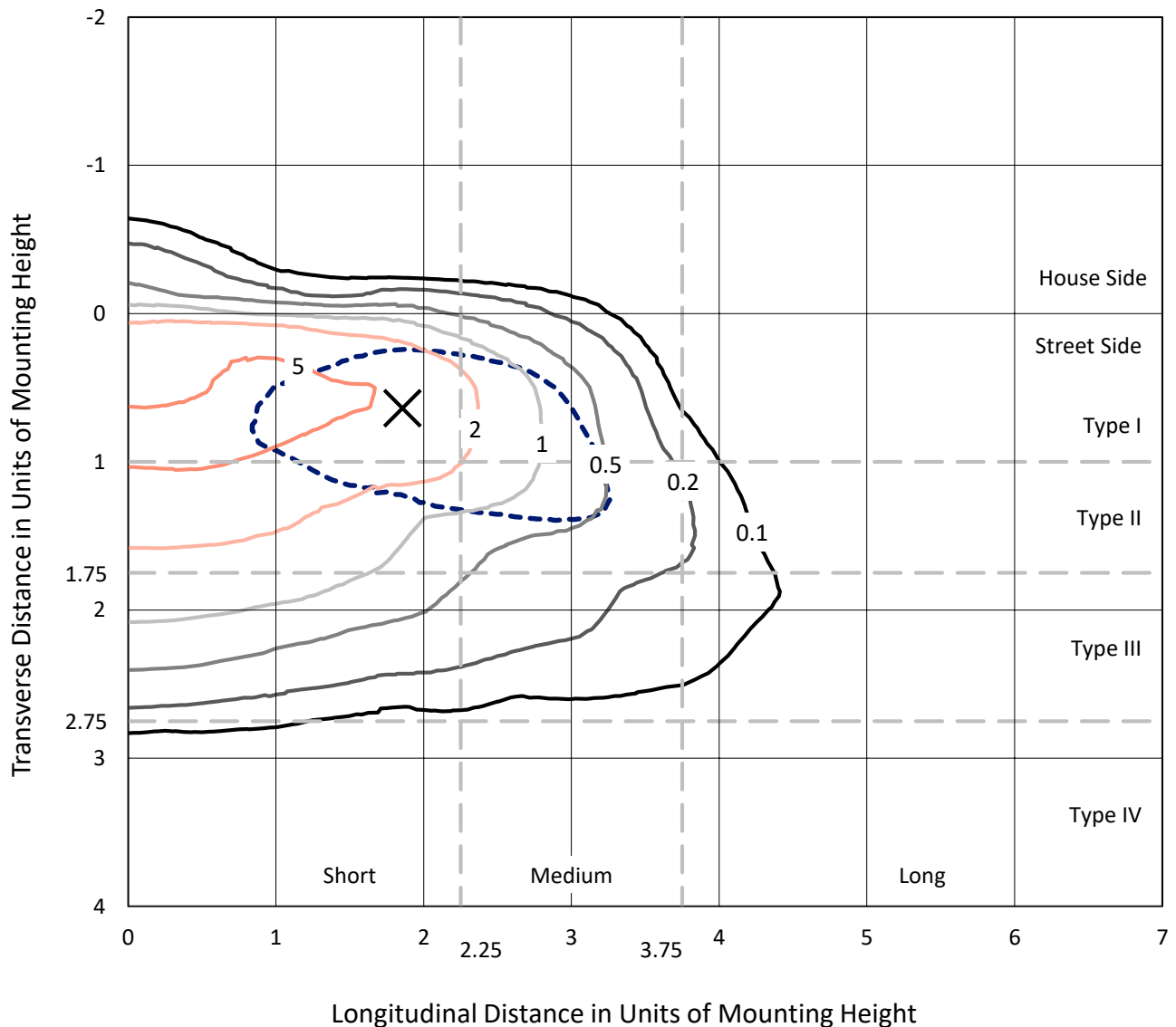
Input Watts (W): 225.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

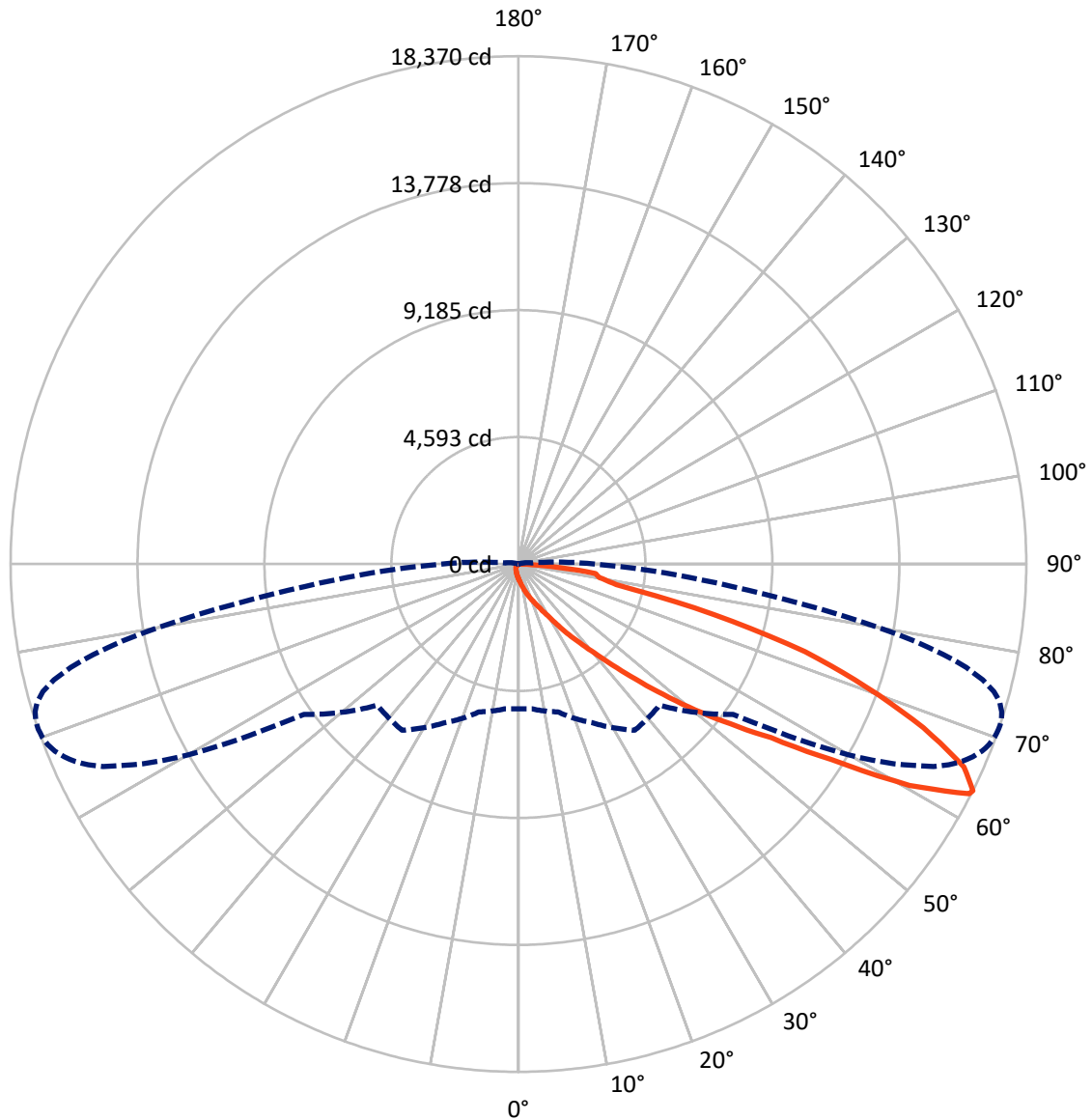
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 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	292.2	0.0	292.2
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	13469.1	0.0	13469.1
	% Fixture	97.9	0.0	97.9
Total	Lumens	13761.2	0.0	13761.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	0.4
10°-20°	226.3	1.6
20°-30°	459.6	3.3
30°-40°	1122.9	8.2
40°-50°	2511.2	18.2
50°-60°	3531.0	25.7
60°-70°	4152.2	30.2
70°-80°	1499.3	10.9
80°-90°	200.5	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°	13761.2	100.0
0°-180°	13761.2	100.0



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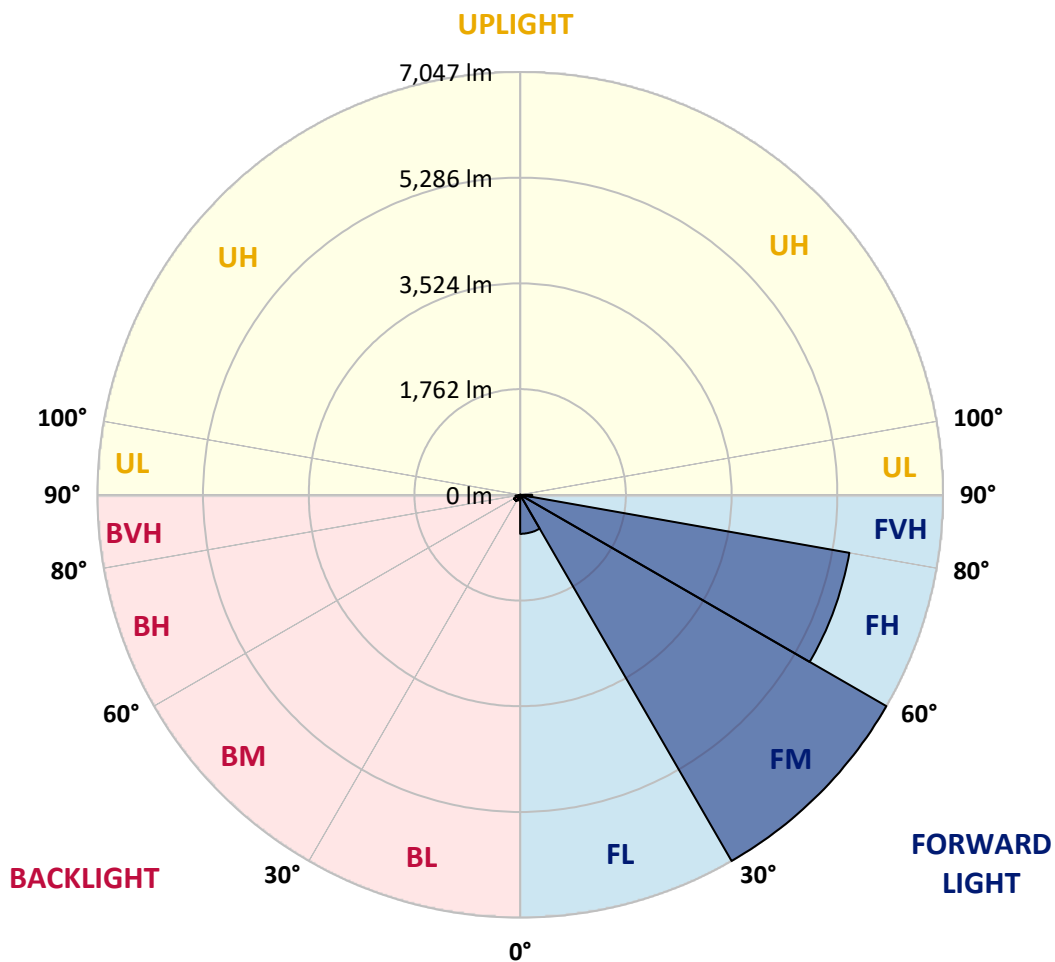
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	650.3	4.7			
FM	(30°-60°)	7047.4	51.2			
FH	(60°-80°)	5571.4	40.5			G3/7500
FVH	(80°-90°)	200.1	1.5			G2/225
BL	(0°-30°)	93.9	0.7	B0/110		
BM	(30°-60°)	117.7	0.9	B0/220		
BH	(60°-80°)	80.1	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°	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9
2.5°	690.5	697.9	692.9	680.4	665.4	645.5	627.9	627.9	625.4	617.9	620.4
5°	905.6	908.2	898.1	868.1	840.6	798.0	750.5	745.5	740.5	733.0	730.6
7.5°	1115.8	1125.7	1115.8	1083.2	1028.2	963.2	888.1	880.7	865.6	865.6	855.6
10°	1331.0	1331.0	1320.9	1283.4	1233.3	1140.8	1045.7	1033.2	1015.7	1010.7	995.7
12.5°	1483.5	1483.5	1478.5	1458.6	1418.5	1336.0	1220.8	1208.4	1185.9	1178.3	1160.8
15°	1543.5	1543.5	1546.1	1563.5	1566.1	1528.6	1408.4	1398.4	1375.9	1355.9	1348.4
17.5°	1581.0	1578.6	1578.6	1603.7	1648.6	1673.7	1596.1	1586.0	1561.1	1551.1	1526.0
20°	1663.7	1658.6	1643.6	1643.6	1686.1	1773.6	1773.6	1771.2	1743.7	1736.1	1723.7
22.5°	1786.3	1781.2	1736.1	1698.6	1718.7	1828.8	1931.3	1926.3	1916.3	1906.3	1898.8
25°	1986.3	1968.9	1891.2	1781.2	1763.8	1881.4	2051.4	2064.0	2071.4	2071.4	2076.4
27.5°	2289.1	2266.6	2129.0	1923.9	1846.3	1966.3	2184.0	2209.0	2231.5	2236.5	2259.0
30°	2709.3	2669.4	2471.7	2171.5	1993.9	2091.5	2379.2	2406.7	2439.2	2449.2	2484.2
32.5°	3399.8	3377.3	3187.2	2736.8	2356.6	2336.7	2651.9	2686.8	2729.4	2746.8	2789.4
35°	4450.6	4455.6	4300.5	3895.2	3369.9	3094.6	3139.7	3169.6	3184.7	3237.2	3259.7
37.5°	5163.6	5176.0	5211.1	5051.0	4675.7	4395.5	4042.7	4075.4	3997.7	4005.2	4007.8
40°	5553.8	5593.8	5799.0	5954.1	5924.1	5761.5	5478.8	5496.3	5351.2	5318.7	5161.0
42.5°	5813.9	5866.5	6194.3	6674.5	6919.7	7067.4	7002.4	6994.8	6882.2	6839.7	6707.0
45°	5976.6	6024.2	6436.9	7144.9	7710.3	8140.5	8318.1	8338.2	8243.1	8200.6	8090.6
47.5°	5969.0	6024.2	6466.9	7320.0	8153.2	8841.0	9341.5	9366.4	9424.0	9386.4	9393.9
50°	5638.9	5691.5	6136.7	7022.3	8023.0	9161.3	10076.9	10157.0	10249.5	10312.1	10342.1
52.5°	5238.6	5276.1	5671.4	6512.0	7467.5	9028.7	10512.1	10649.8	10787.4	10905.0	10987.5
55°	5090.9	5133.5	5443.7	6141.8	7022.3	8473.2	10714.8	10917.5	11112.7	11305.3	11462.8
57.5°	5168.6	5208.5	5431.2	5966.6	6757.2	7887.9	10772.4	11087.6	11407.9	11720.5	12030.7
60°	5453.7	5496.3	5686.5	6129.1	6687.1	7550.2	10547.2	11070.1	11602.9	12148.3	12661.2
62.5°	5341.1	5358.6	5638.9	6414.4	7187.4	7262.5	9729.2	10459.7	11272.8	12113.4	12941.3
63°	5233.6	5253.6	5538.8	6336.8	7340.1	7219.9	9476.5	10247.0	11105.1	12010.7	12911.4
65°	4745.8	4748.2	4965.9	5596.4	7169.9	7295.0	8350.8	9086.2	10071.9	11157.6	12296.0
67.5°	3542.4	3525.0	3735.1	4215.4	5628.9	7297.6	7167.4	7580.3	8265.7	9228.9	10249.5
70°	1255.9	1228.4	1568.6	2234.0	3507.3	5969.0	6159.2	6186.7	6376.9	6897.2	7537.7
72.5°	407.7	415.3	500.3	818.1	1616.1	4017.8	5576.3	5491.2	5441.3	5438.7	5523.8
75°	162.6	165.1	200.1	362.8	725.6	1936.4	4883.4	4930.8	4948.4	4973.4	5001.0
77.5°	77.5	85.1	112.6	202.7	360.2	958.1	3494.9	3897.6	4127.8	4305.5	4413.1
80°	27.5	32.5	62.6	125.0	167.6	440.3	1841.3	2221.5	2559.2	2994.6	3369.9
82.5°	0.0	0.0	12.5	87.5	92.5	177.6	755.5	885.5	1013.1	1313.3	1686.1
85°	0.0	0.0	0.0	25.1	27.5	30.1	255.2	307.8	345.3	402.7	465.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.4	15.0	37.5	57.6
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°	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9
2.5°	615.4	613.0	613.0	608.0	605.4	600.4	598.0	590.4	587.9	587.9	587.9
5°	728.0	718.0	713.0	700.5	692.9	690.5	678.0	673.0	665.4	668.0	655.4
7.5°	853.0	835.6	828.1	810.5	805.6	788.0	783.0	770.5	763.1	748.0	743.0
10°	990.7	968.2	955.7	928.1	920.6	908.2	893.1	878.1	865.6	850.6	843.1
12.5°	1148.4	1128.3	1118.3	1080.7	1063.3	1045.7	1025.8	1005.7	985.6	973.2	955.7
15°	1333.4	1300.9	1290.9	1255.9	1225.8	1203.3	1175.8	1150.8	1135.7	1110.8	1093.2
17.5°	1516.0	1483.5	1476.0	1423.5	1391.0	1375.9	1346.0	1313.3	1285.8	1260.9	1233.3
20°	1698.6	1676.1	1656.1	1606.1	1571.1	1546.1	1506.0	1473.5	1451.0	1416.0	1380.9
22.5°	1881.4	1858.7	1843.8	1791.3	1758.8	1723.7	1688.7	1653.6	1621.1	1578.6	1538.6
25°	2069.0	2053.9	2046.3	1998.9	1968.9	1936.4	1901.3	1861.3	1821.2	1773.6	1731.3
27.5°	2264.0	2269.1	2254.0	2244.0	2211.5	2189.0	2134.0	2106.5	2076.4	2018.8	1966.3
30°	2511.7	2526.7	2521.7	2529.3	2509.2	2494.2	2451.7	2416.7	2381.6	2326.6	2266.6
32.5°	2824.5	2844.5	2854.4	2882.0	2872.0	2867.0	2854.4	2804.4	2779.3	2684.4	2659.3
35°	3307.3	3297.2	3339.8	3362.3	3352.2	3347.4	3332.3	3304.8	3274.8	3207.1	3144.7
37.5°	3935.1	3945.2	3960.2	3915.2	3885.2	3882.7	3837.6	3810.1	3767.6	3692.5	3617.5
40°	5085.9	5023.5	4953.5	4763.2	4680.8	4633.2	4500.6	4463.1	4390.4	4287.9	4210.4
42.5°	6582.0	6519.4	6309.3	5991.7	5821.5	5586.3	5478.8	5346.2	5243.6	5076.0	4986.0
45°	8068.1	7887.9	7862.8	7492.6	7282.5	6972.3	6779.7	6556.9	6324.4	6104.2	5944.1
47.5°	9321.4	9281.3	9158.9	8933.6	8738.5	8478.3	8230.6	7887.9	7647.7	7335.1	7047.3
50°	10324.5	10322.1	10277.0	10146.9	9984.4	9774.3	9556.6	9266.4	8993.7	8610.9	8303.3
52.5°	11075.2	11115.1	11130.1	11090.0	11027.6	10842.4	10732.4	10489.7	10259.5	9934.2	9601.5
55°	11625.4	11773.1	11848.1	11933.2	11915.7	11850.7	11845.7	11688.0	11583.0	11325.2	11090.0
57.5°	12306.0	12548.6	12781.2	13194.1	13209.0	13354.2	13429.3	13504.3	13524.2	13421.7	13344.2
60°	13171.5	13666.9	14107.1	14970.3	15195.5	15550.7	15780.8	16031.0	16243.6	16261.2	16256.2
62.5°	13781.9	14545.0	15255.5	16536.3	16974.1	17384.5	17692.1	17934.9	18082.4	18232.5	18302.5
63°	13799.5	14635.1	15390.5	16711.5	17171.8	17562.1	17854.8	18080.0	18235.1	18325.0	18370.1
65°	13376.7	14389.9	15290.4	16606.3	17039.2	17432.0	17584.6	17732.2	17807.3	17842.2	17709.6
67.5°	11337.8	12328.5	13379.1	14850.2	15220.4	15690.7	15815.9	15891.0	15925.9	15918.5	15805.9
70°	8478.3	9308.9	10477.2	12158.3	12648.7	13109.0	13394.2	13516.8	13556.7	13544.3	13376.7
72.5°	5919.0	6406.9	7370.0	9241.3	9909.3	10499.7	10852.4	11035.0	11072.6	10997.5	10842.4
75°	4970.9	4996.0	5213.5	6236.7	6862.2	7492.6	7890.3	8005.5	7930.4	7702.7	7307.6
77.5°	4438.0	4493.1	4493.1	4645.7	4768.3	4943.4	4980.9	4700.7	4375.6	3955.2	3615.0
80°	3722.6	3915.2	4050.3	4162.9	4175.3	4140.4	4047.7	3890.2	3640.0	3319.7	2964.5
82.5°	2261.6	2641.9	2797.0	3377.3	3662.4	3855.1	3840.2	3629.9	3439.9	3107.2	2804.4
85°	570.5	615.4	668.0	868.1	973.2	1188.3	1323.4	1386.0	1408.4	1293.4	1170.8
87.5°	55.0	37.5	62.6	47.6	67.6	50.0	67.6	62.6	77.5	82.5	90.1
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°	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9
2.5°	582.9	580.3	577.9	575.5	572.9	570.5	565.4	565.4	560.4	557.8	555.4
5°	647.9	642.9	640.5	635.5	627.9	622.9	615.4	605.4	598.0	595.4	590.4
7.5°	730.6	718.0	713.0	705.5	695.5	680.4	670.4	663.0	650.5	642.9	627.9
10°	823.1	810.5	795.6	780.6	765.5	748.0	735.4	725.6	705.5	695.5	678.0
12.5°	940.7	918.2	900.6	880.7	860.6	840.6	825.5	795.6	778.0	755.5	740.5
15°	1060.7	1040.6	1020.7	995.7	965.6	933.1	918.2	890.5	868.1	833.1	813.1
17.5°	1205.8	1168.3	1138.3	1108.2	1080.7	1050.7	1020.7	978.2	945.7	915.6	875.7
20°	1348.4	1303.5	1270.8	1230.8	1190.9	1143.3	1108.2	1078.2	1033.2	993.2	950.7
22.5°	1501.0	1456.0	1403.4	1363.5	1308.5	1270.8	1223.4	1173.3	1128.3	1075.7	1023.2
25°	1686.1	1638.6	1578.6	1526.0	1463.4	1411.0	1353.4	1295.9	1240.9	1180.9	1113.3
27.5°	1913.9	1863.7	1798.7	1736.1	1653.6	1588.6	1533.6	1456.0	1386.0	1310.9	1233.3
30°	2201.4	2146.5	2066.4	1976.3	1893.8	1821.2	1743.7	1641.2	1563.5	1473.5	1373.5
32.5°	2576.8	2511.7	2404.1	2319.0	2216.5	2121.4	2013.8	1911.3	1801.3	1683.7	1568.6
35°	3049.6	2989.6	2864.4	2739.4	2626.8	2514.2	2379.2	2261.6	2106.5	1963.8	1816.2
37.5°	3540.0	3432.3	3317.3	3182.2	3042.0	2907.0	2741.8	2579.3	2401.7	2246.6	2061.4
40°	4100.3	3970.2	3875.1	3730.1	3532.4	3339.8	3187.2	2984.6	2761.9	2554.2	2336.7
42.5°	4868.4	4723.3	4553.1	4333.0	4190.4	3965.2	3767.6	3527.4	3234.6	3002.1	2739.4
45°	5756.5	5558.8	5393.7	5181.0	5008.4	4728.3	4498.2	4177.9	3885.2	3580.0	3259.7
47.5°	6769.6	6524.4	6284.3	6074.2	5799.0	5523.8	5231.2	4890.9	4515.6	4180.3	3800.1
50°	7932.9	7585.1	7252.4	6982.3	6604.5	6286.8	5969.0	5586.3	5171.0	4785.7	4352.9
52.5°	9226.3	8823.6	8383.3	7968.0	7530.1	7122.4	6739.6	6299.3	5836.6	5366.2	4883.4
55°	10787.4	10484.6	9966.9	9439.0	8853.5	8308.3	7815.3	7270.1	6707.0	6089.2	5581.3
57.5°	13231.6	13084.0	12651.2	12123.4	11360.3	10697.3	9861.8	9193.8	8378.3	7527.7	6872.2
60°	16543.9	16361.2	16118.5	15690.7	15085.3	14184.8	13264.1	12225.9	10985.1	9806.8	8688.5
62.5°	18310.1	18244.9	18047.4	17752.1	17186.8	16476.3	15548.2	14407.3	13006.5	11575.4	10149.5
63°	18362.5	18280.0	18109.9	17809.7	17311.9	16624.0	15713.2	14605.0	13234.1	11775.6	10319.5
65°	17652.2	17619.6	17446.9	17119.2	16779.1	16253.6	15548.2	14594.9	13444.2	12065.8	10617.3
67.5°	15655.8	15558.1	15293.0	15192.9	14955.3	14589.9	14052.1	13396.6	12573.7	11490.3	10239.4
70°	13241.5	13096.4	12763.7	12586.1	12296.0	12065.8	11738.1	11270.2	10762.4	10006.9	9073.8
72.5°	10682.3	10382.1	10076.9	9614.2	9208.8	8798.5	8435.7	8105.6	7547.6	7242.4	6534.5
75°	6937.2	6391.8	5869.1	5168.6	4538.1	3980.3	3437.3	3162.2	2589.3	2356.6	2023.9
77.5°	3292.2	2987.0	2576.8	2259.0	1853.7	1513.6	1235.9	928.1	728.0	570.5	435.2
80°	2656.7	2399.1	2151.5	1863.7	1558.5	1243.3	953.1	713.0	505.3	350.2	247.6
82.5°	2369.2	2088.9	1783.7	1586.0	1378.5	1128.3	925.6	755.5	557.8	407.7	277.7
85°	920.6	775.5	598.0	487.8	380.3	312.6	282.7	195.1	152.7	120.0	92.5
87.5°	80.1	65.0	52.6	35.1	37.5	20.1	22.5	15.0	12.5	12.5	10.0
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9
2.5°	552.8	550.4	547.8	542.8	542.8	537.9	535.4	532.9	520.3	492.8	470.3
5°	580.3	575.5	570.5	562.9	557.8	550.4	545.4	537.9	510.3	457.9	412.8
7.5°	620.4	610.4	603.0	587.9	580.3	570.5	562.9	550.4	505.3	425.2	362.8
10°	668.0	650.5	637.9	620.4	605.4	592.9	580.3	562.9	500.3	390.3	317.7
12.5°	725.6	705.5	680.4	660.4	640.5	622.9	605.4	582.9	492.8	360.2	282.7
15°	783.0	753.1	735.4	707.9	680.4	655.4	630.5	610.4	495.4	327.7	252.6
17.5°	848.0	818.1	780.6	750.5	720.5	688.0	658.0	617.9	482.8	302.8	230.2
20°	910.6	868.1	833.1	795.6	753.1	713.0	675.4	640.5	472.8	277.7	210.1
22.5°	978.2	928.1	883.1	835.6	783.0	738.0	692.9	647.9	455.3	255.2	192.6
25°	1060.7	1003.1	938.1	880.7	825.5	770.5	713.0	658.0	437.8	235.2	180.2
27.5°	1160.8	1085.8	1020.7	948.1	870.6	800.6	738.0	678.0	420.4	220.1	167.6
30°	1288.4	1200.8	1108.2	1015.7	933.1	853.0	765.5	690.5	402.7	205.1	155.1
32.5°	1458.6	1348.4	1235.9	1128.3	1018.2	915.6	823.1	725.6	392.7	192.6	142.7
35°	1683.7	1541.1	1403.4	1268.4	1135.7	1010.7	890.5	780.6	392.7	177.6	127.6
37.5°	1896.2	1731.3	1556.1	1388.4	1230.8	1085.8	943.1	810.5	372.8	165.1	115.2
40°	2126.4	1928.8	1723.7	1526.0	1336.0	1155.8	993.2	840.6	355.2	150.1	102.5
42.5°	2479.2	2229.1	1961.4	1731.3	1503.5	1280.8	1078.2	898.1	332.7	135.1	90.1
45°	2942.1	2624.2	2309.2	2028.9	1738.7	1466.0	1225.8	1003.1	327.7	122.6	77.5
47.5°	3437.3	3062.1	2691.8	2334.1	1993.9	1676.1	1388.4	1120.7	327.7	110.1	67.6
50°	3930.1	3459.9	3064.6	2649.3	2266.6	1891.2	1548.5	1243.3	330.3	100.1	55.0
52.5°	4375.6	3872.7	3429.9	2949.5	2526.7	2091.5	1718.7	1363.5	325.3	87.5	45.0
55°	4993.4	4403.1	3890.2	3359.8	2864.4	2374.2	1951.4	1543.5	327.7	77.5	37.5
57.5°	6131.7	5438.7	4820.8	4125.3	3554.9	2922.0	2409.1	1913.9	357.8	65.0	27.5
60°	7765.3	6864.7	5996.7	5148.5	4423.1	3670.0	3004.5	2421.7	420.4	52.6	20.1
62.5°	8863.5	7685.2	6649.6	5714.0	4870.8	4082.8	3357.2	2694.3	462.7	42.5	12.5
63°	8976.1	7757.9	6717.1	5751.5	4890.9	4102.9	3372.3	2714.3	465.3	40.0	12.5
65°	9188.8	7882.9	6754.6	5758.9	4870.8	4075.4	3362.3	2711.9	470.3	32.5	10.0
67.5°	8946.2	7690.3	6537.0	5543.8	4695.6	3912.7	3237.2	2611.8	467.8	22.5	7.4
70°	8000.5	6959.8	5946.5	5020.9	4250.4	3542.4	2947.1	2381.6	430.2	15.0	5.0
72.5°	5874.1	5166.0	4380.6	3712.6	3202.1	2659.3	2269.1	1788.7	332.7	10.0	2.4
75°	1741.1	1586.0	1333.4	1175.8	1038.2	858.0	763.1	595.4	170.1	5.0	0.0
77.5°	347.7	315.2	282.7	257.7	242.6	207.7	197.6	162.6	70.0	2.4	0.0
80°	182.6	150.1	127.6	112.6	97.5	80.1	67.6	55.0	12.5	0.0	0.0
82.5°	175.2	117.6	85.1	70.0	60.0	47.6	37.5	27.5	7.4	0.0	0.0
85°	65.0	50.0	37.5	30.1	25.1	22.5	17.5	15.0	0.0	0.0	0.0
87.5°	10.0	7.4	7.4	5.0	5.0	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°	527.9	527.9	527.9	527.9	527.9	527.9	527.9
2.5°	447.9	427.8	417.8	405.3	405.3	402.7	407.7
5°	372.8	345.3	325.3	310.2	312.6	305.2	307.8
7.5°	315.2	287.7	270.1	260.2	257.7	255.2	255.2
10°	272.7	247.6	232.6	225.1	222.7	222.7	222.7
12.5°	242.6	217.7	205.1	200.1	200.1	197.6	197.6
15°	217.7	197.6	185.2	180.2	180.2	177.6	180.2
17.5°	197.6	177.6	167.6	162.6	162.6	160.1	160.1
20°	180.2	162.6	152.7	145.1	145.1	142.7	145.1
22.5°	165.1	147.7	135.1	130.0	127.6	125.0	127.6
25°	150.1	132.6	120.0	112.6	110.1	110.1	107.6
27.5°	137.6	120.0	105.1	97.5	95.1	95.1	92.5
30°	125.0	105.1	90.1	82.5	80.1	80.1	80.1
32.5°	112.6	90.1	77.5	70.0	67.6	67.6	67.6
35°	100.1	77.5	65.0	57.6	55.0	55.0	55.0
37.5°	85.1	65.0	50.0	45.0	42.5	40.0	40.0
40°	72.6	50.0	37.5	32.5	27.5	27.5	27.5
42.5°	60.0	40.0	27.5	20.1	17.5	15.0	17.5
45°	50.0	30.1	17.5	10.0	7.4	7.4	7.4
47.5°	40.0	20.1	7.4	2.4	2.4	2.4	2.4
50°	30.1	12.5	2.4	0.0	0.0	2.4	2.4
52.5°	22.5	7.4	0.0	0.0	0.0	0.0	0.0
55°	12.5	2.4	0.0	0.0	0.0	0.0	0.0
57.5°	7.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	5.0	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)