

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: STREETWORKS

Report Number: P367929

Luminaire Tested: **PMM-SA3C-727-U-SLL-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3C-727-U-SLL-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11106 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

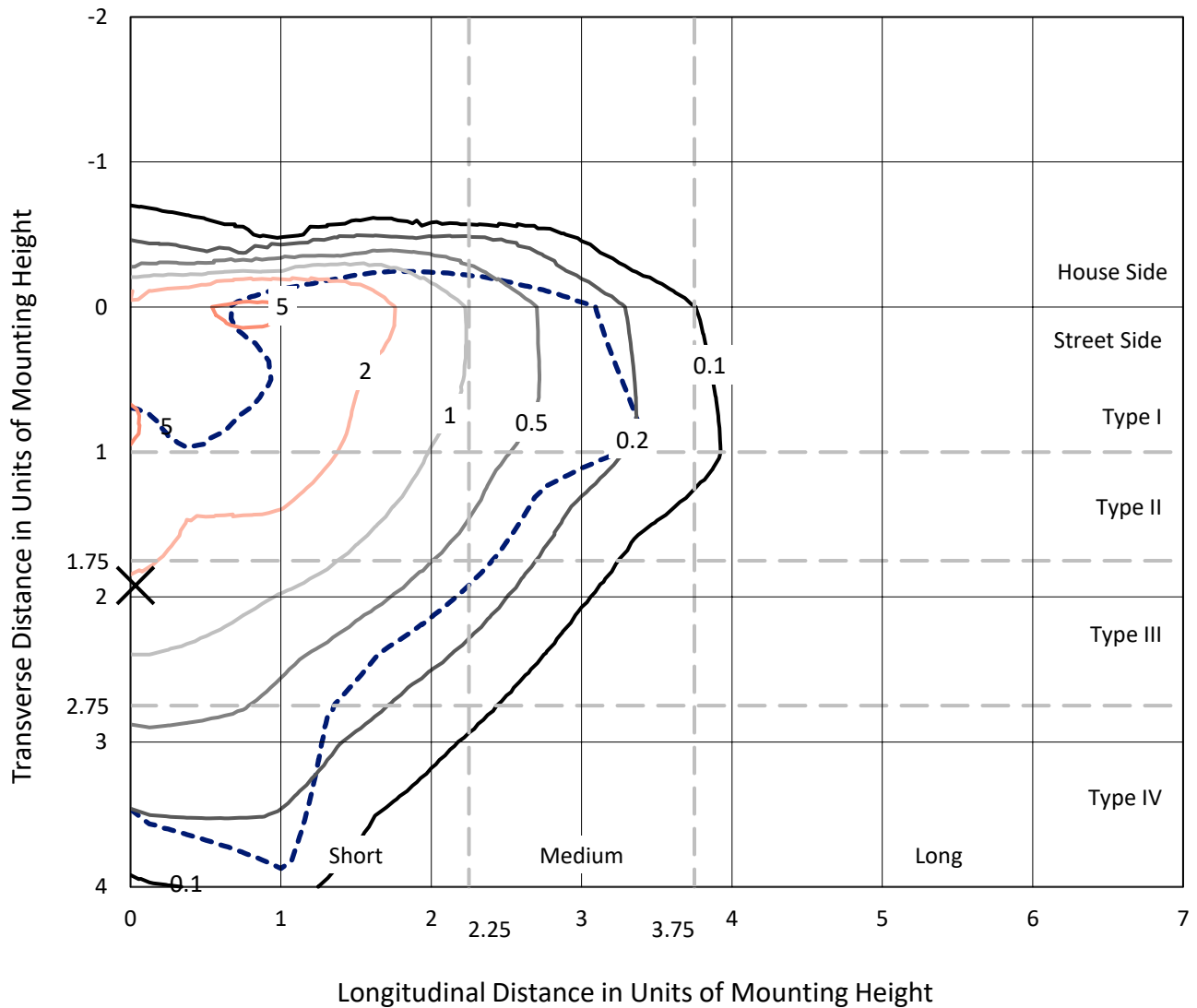
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

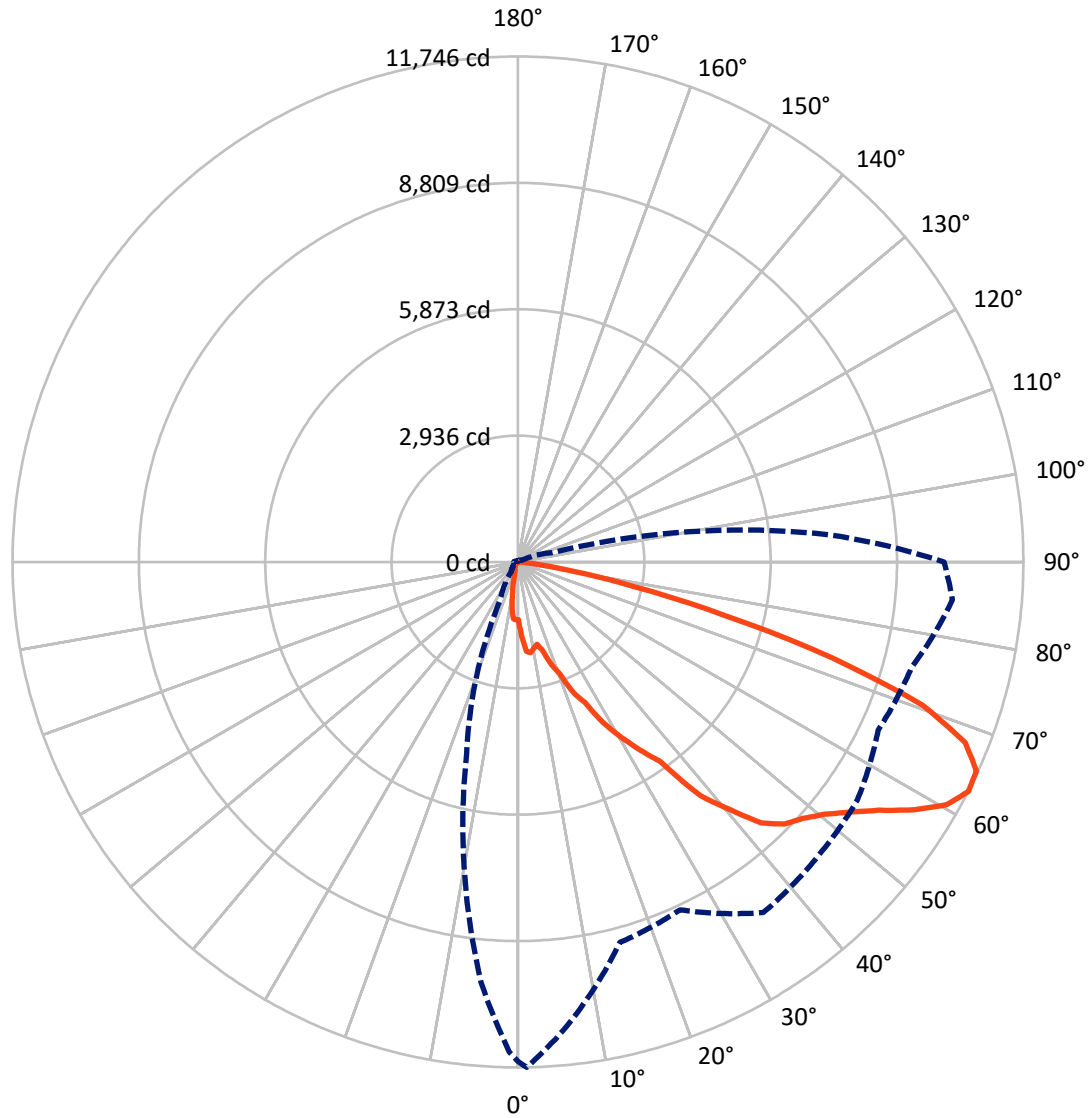
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 1-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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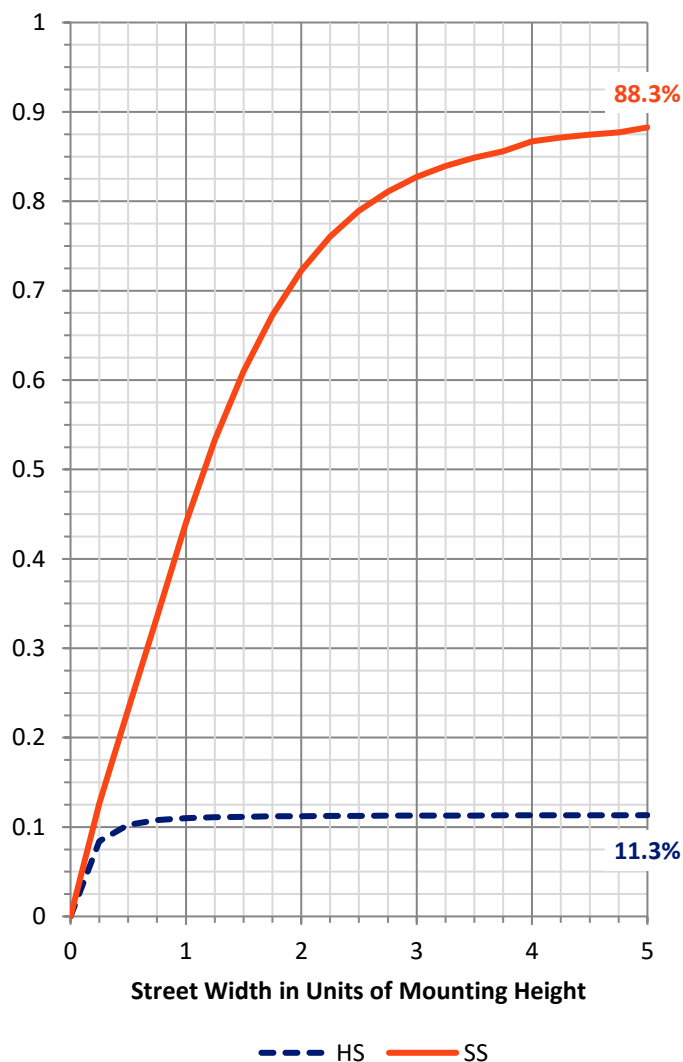
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1270.0	0.0	1270.0
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	9836.0	0.0	9836.0
	% Fixture	88.6	0.0	88.6
Total	Lumens	11106.0	0.0	11106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	1.3
10°-20°	390.4	3.5
20°-30°	631.1	5.7
30°-40°	1057.2	9.5
40°-50°	1728.7	15.6
50°-60°	2558.9	23.0
60°-70°	2937.9	26.5
70°-80°	1452.8	13.1
80°-90°	199.4	1.8
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°	11106.0	100.0
0°-180°	11106.0	100.0

Coefficient of Utilization

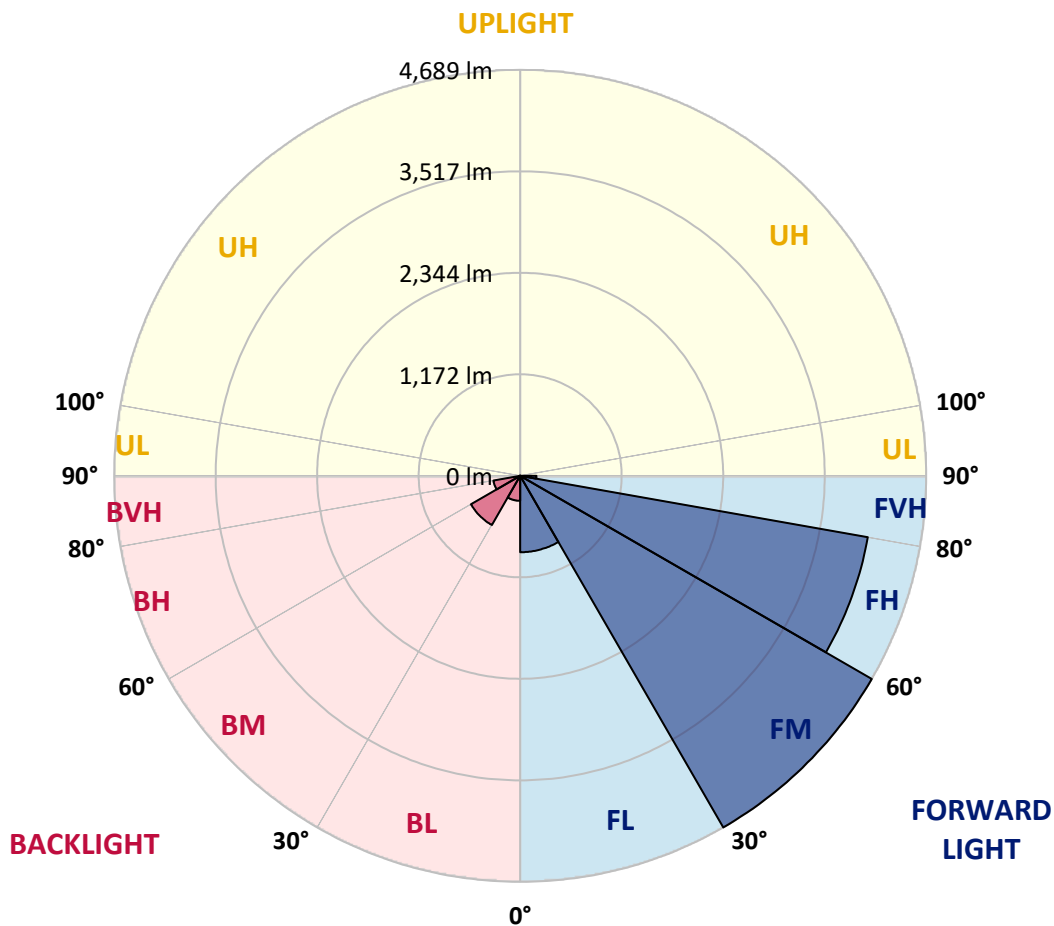


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.1	7.9			
FM (30°-60°)	4688.9	42.2			
FH (60°-80°)	4076.6	36.7			G2/5000
FVH (80°-90°)	188.4	1.7			G2/225
BL (0°-30°)	288.9	2.6	B1/500		
BM (30°-60°)	656.0	5.9	B1/1000		
BH (60°-80°)	314.0	2.8	B1/500		G1/500
BVH (80°-90°)	11.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9
2.5°	1725.2	1733.4	1694.8	1689.8	1599.9	1711.9	1715.1	1728.4	1646.1	1486.6	1709.4
5°	2064.4	2087.2	2057.5	2189.7	2227.7	2309.4	2159.4	2293.5	2236.6	2252.4	2284.7
7.5°	2104.9	2128.4	2191.0	2412.5	2616.9	2565.7	2549.2	2599.8	2595.4	2478.3	2536.6
10°	2020.8	2040.4	2144.8	2548.0	2637.2	2867.6	2923.9	2807.4	2760.0	2503.6	2391.6
12.5°	1929.0	1961.9	2094.8	2578.3	2846.0	3078.9	3264.4	3098.6	2941.0	2668.2	2565.7
15°	2104.9	2123.3	2332.1	2641.6	2875.8	3036.5	3188.4	3133.4	3109.3	2913.1	2565.7
17.5°	2449.9	2492.9	2644.1	2796.7	2981.5	3078.3	3042.2	3025.1	2963.7	3272.0	2912.5
20°	2695.4	2775.8	2973.9	3039.7	2892.9	2983.4	2961.2	2946.0	2897.9	3471.3	3311.2
22.5°	3227.0	3301.1	3304.9	3328.3	2986.5	2842.2	2805.5	2810.0	3028.3	3530.8	3807.4
25°	3589.0	3614.3	3814.3	3647.3	3242.2	2885.3	2745.4	2808.1	3122.6	3958.6	4273.8
27.5°	4181.4	4241.5	4366.2	3800.4	3395.4	2858.1	2635.3	2863.1	3370.7	4100.4	4792.1
30°	4664.3	4721.9	4922.5	4009.9	3528.3	2992.9	2682.8	2973.9	3525.1	4392.1	5257.9
32.5°	5056.0	5204.8	5432.6	4333.3	3523.2	3147.9	2925.1	2937.2	3715.0	4770.0	5718.6
35°	5556.6	5695.2	5855.4	4556.1	3753.6	3197.9	2996.7	3297.9	3997.2	5164.9	6338.9
37.5°	6685.0	6894.5	6578.1	5117.4	4021.9	3649.8	3278.9	3520.0	4292.8	5568.0	7191.3
40°	7373.6	7550.2	7244.5	5404.1	4486.4	3877.6	3782.7	3906.1	4582.0	5776.2	7833.7
42.5°	8052.1	8285.0	7774.2	5835.7	4927.6	4520.6	4261.1	4360.5	5000.3	6278.7	8556.5
45°	8543.2	8687.5	7888.8	6061.7	5533.9	5253.5	5080.7	4932.6	5583.8	6601.5	9022.9
47.5°	8790.0	8905.2	8114.7	6133.2	5894.6	6028.8	6407.2	6097.7	6100.3	6835.0	9274.1
50°	9131.7	9212.1	8241.3	6218.6	6286.3	7236.9	7428.0	6769.2	6690.1	7069.2	9315.3
52.5°	9612.1	9651.3	8486.8	6443.9	6873.0	8183.1	8252.0	7985.6	7280.6	7504.6	9406.4
55°	10250.7	10181.7	8925.4	6917.3	7485.0	8876.1	8968.5	8736.2	8022.9	7939.4	9688.7
57.5°	10939.2	10860.1	9575.4	7584.4	8148.9	9405.8	9460.8	9479.2	8516.0	8324.2	10168.4
60°	11432.9	11447.4	10393.7	8349.5	8561.5	9912.7	9802.6	9635.5	9013.4	8888.1	10401.9
62.5°	11605.6	11745.5	11031.0	9151.4	8917.2	9944.3	9773.5	9632.3	9236.2	9469.7	10134.2
65°	11464.5	11708.8	11179.1	9855.7	9132.4	9547.5	9369.7	9279.2	9229.2	9707.0	9541.8
67.5°	10903.8	11209.5	10755.1	9862.1	8350.1	8129.3	8339.4	8626.1	8460.3	9510.2	8712.1
70°	9647.5	9982.3	9770.9	9283.6	6955.9	6395.8	6627.5	7061.0	6943.9	8458.4	7491.3
72.5°	7238.2	7668.5	7710.3	8014.7	5521.8	4813.6	4847.2	4835.2	5037.0	6820.5	5845.9
75°	4649.7	4984.5	5437.0	6467.3	4194.7	3514.3	3192.8	3114.4	3490.9	5329.4	4185.2
77.5°	2699.2	2739.1	2947.9	4879.5	3004.3	2532.1	2313.2	2425.2	2556.8	3719.4	2773.9
80°	1291.1	1311.3	1397.4	2510.6	2087.2	2191.6	2022.7	2148.6	1755.6	2137.8	1574.0
82.5°	409.5	413.9	428.5	1233.5	1296.1	1451.8	930.3	1247.4	1085.4	1292.3	1048.0
85°	68.4	116.4	143.7	356.3	731.6	489.8	201.9	444.9	605.7	815.1	475.9
87.5°	0.0	0.0	0.0	6.3	59.5	27.8	4.4	25.3	93.0	181.6	21.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9
2.5°	1773.9	1817.6	1653.1	1505.6	1542.9	1513.2	1468.3	1391.7	1214.5	1344.9	1336.0
5°	2282.8	2201.8	1979.0	1875.2	1748.6	1555.6	1532.2	1384.1	1318.9	1329.7	1320.2
7.5°	2460.0	2315.1	2118.2	1805.6	1508.8	1230.3	1144.9	1048.0	1028.4	1070.2	1097.4
10°	2320.7	2167.0	1994.8	1606.2	1377.8	1176.5	965.8	830.3	756.9	748.1	755.7
12.5°	2384.7	2218.9	1864.4	1567.0	1328.4	1146.1	910.7	706.3	546.8	558.8	527.2
15°	2429.0	2238.5	1833.4	1484.7	1226.5	982.9	699.3	494.9	364.5	326.6	303.8
17.5°	2689.1	2416.9	1794.2	1389.8	1084.1	765.1	439.2	286.7	244.3	231.0	220.2
20°	3023.2	2636.6	1793.6	1289.8	874.0	478.5	274.0	207.6	197.5	205.1	196.8
22.5°	3411.8	2928.9	1889.1	1165.1	627.2	301.9	213.3	184.2	174.0	180.4	181.0
25°	3802.9	3367.5	1967.0	1046.8	436.7	231.6	189.9	169.6	158.2	163.9	160.8
27.5°	4509.2	3730.8	1949.3	895.5	321.5	203.8	176.6	158.9	141.8	150.6	150.0
30°	4971.2	4371.9	2018.2	683.5	255.0	178.5	164.5	144.9	126.6	136.7	136.1
32.5°	5523.7	4647.2	2092.9	524.7	212.0	169.0	148.1	129.1	118.3	124.7	123.4
35°	6144.6	5191.5	1955.6	436.7	184.2	152.5	131.0	116.4	107.0	110.1	110.1
37.5°	7241.3	5646.5	1873.3	355.7	171.5	138.0	122.8	105.1	99.4	99.4	102.5
40°	7864.1	6341.4	1627.8	281.6	175.3	127.2	114.6	96.2	88.6	88.0	91.1
42.5°	8674.2	6742.0	1474.0	227.8	158.9	124.0	105.1	87.3	78.5	77.8	81.0
45°	9154.5	6966.0	1257.5	179.1	142.4	144.3	97.5	80.4	67.1	64.6	70.2
47.5°	9457.7	7262.9	1134.7	142.4	124.0	143.7	94.9	69.6	56.3	53.2	58.2
50°	9611.5	7409.7	1110.7	122.1	107.6	128.5	108.9	58.2	48.1	43.7	48.1
52.5°	9771.6	7648.3	1119.6	112.7	94.9	103.2	103.2	50.0	42.4	37.3	40.5
55°	10095.0	8000.8	1099.9	107.0	87.3	78.5	66.5	44.3	38.6	32.9	36.1
57.5°	10492.4	8253.9	1099.9	101.9	81.0	67.1	53.2	41.1	35.4	28.5	31.0
60°	10417.1	7987.5	1045.5	96.8	75.9	62.7	48.1	38.0	32.9	25.9	27.8
62.5°	9900.0	7262.9	846.8	89.2	71.5	59.5	43.7	36.1	31.0	22.8	24.7
65°	9292.5	6493.3	588.6	81.0	66.5	53.8	39.2	34.2	28.5	20.3	21.5
67.5°	8560.9	5576.3	326.6	72.8	61.4	46.8	36.1	33.5	27.2	18.4	19.6
70°	7291.3	4209.9	175.3	66.5	57.6	43.0	34.2	33.5	27.2	17.7	18.4
72.5°	5473.7	2651.1	102.5	60.8	52.5	39.9	32.3	34.2	26.6	17.1	17.1
75°	3724.5	1609.4	73.4	51.9	46.8	33.5	31.0	32.9	27.2	17.1	15.8
77.5°	2532.1	1130.9	60.1	46.8	42.4	29.7	31.6	32.9	27.2	13.9	10.8
80°	1580.9	583.5	45.6	37.3	36.7	25.9	31.6	28.5	17.7	3.2	0.0
82.5°	1105.6	217.1	26.6	28.5	28.5	18.4	24.7	20.3	10.1	0.0	0.0
85°	463.9	37.3	14.6	20.3	17.7	10.8	19.6	15.2	6.3	0.0	0.0
87.5°	8.2	0.0	5.7	12.0	12.7	6.3	10.1	6.3	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9
2.5°	1377.8	1317.6	1191.1	1251.8	1245.5	1273.3	1275.9	1211.3	1350.6	1436.6	1449.3
5°	1321.4	1280.9	1274.0	1239.2	1230.3	1281.6	1253.7	1251.8	1318.9	1417.0	1417.6
7.5°	1098.0	1067.0	1081.6	1041.1	936.7	943.0	952.5	992.3	1049.9	1114.5	1137.9
10°	753.8	834.1	775.3	770.2	759.4	725.9	699.3	720.2	794.9	854.4	876.5
12.5°	537.9	550.6	586.7	573.4	591.7	563.3	552.5	617.7	690.5	751.2	794.9
15°	314.5	336.1	357.6	403.1	421.5	415.8	448.7	503.1	562.0	589.8	643.6
17.5°	221.5	223.4	227.8	277.2	309.5	322.1	341.8	382.9	406.9	419.6	441.7
20°	193.7	188.0	180.4	208.2	238.6	254.4	248.7	281.0	300.6	313.3	329.1
22.5°	175.3	165.8	161.4	170.9	194.3	208.2	210.7	229.7	259.5	268.3	273.4
25°	158.2	151.9	148.7	153.8	166.4	179.7	182.3	206.9	233.5	237.3	247.5
27.5°	146.8	134.8	136.1	139.9	145.6	162.0	167.1	181.0	219.6	224.0	227.2
30°	134.8	122.1	125.9	129.7	127.2	147.5	155.1	170.9	208.2	215.2	219.0
32.5°	122.8	113.3	112.7	116.4	120.9	131.6	148.1	166.4	200.6	210.1	219.6
35°	109.5	101.9	103.2	103.8	109.5	123.4	135.4	144.9	168.3	173.4	176.6
37.5°	100.0	93.7	92.4	98.7	104.4	115.2	119.6	124.0	155.1	166.4	167.1
40°	88.6	84.8	84.8	89.2	101.9	100.6	106.3	120.2	150.0	162.0	163.3
42.5°	80.4	75.3	76.6	81.0	89.9	83.5	94.9	115.2	148.1	160.1	159.5
45°	67.7	66.5	69.0	72.8	76.6	70.9	88.6	110.1	141.8	157.6	153.2
47.5°	56.3	56.3	59.5	63.3	61.4	63.3	80.4	103.2	138.0	152.5	149.4
50°	46.2	46.8	50.0	56.3	50.6	55.7	72.1	96.2	131.6	147.5	144.9
52.5°	39.2	39.9	41.8	46.2	43.7	50.6	66.5	89.2	125.3	138.6	137.3
55°	34.2	35.4	35.4	38.0	39.2	47.5	60.1	82.3	115.8	130.4	127.8
57.5°	30.4	31.6	31.0	32.9	34.2	41.8	53.8	74.7	106.3	118.3	114.6
60°	27.2	28.5	27.8	30.4	29.7	36.1	46.8	66.5	96.2	105.7	102.5
62.5°	24.0	25.3	25.3	26.6	27.2	30.4	40.5	58.9	86.1	93.7	91.1
65°	21.5	22.8	23.4	22.8	24.0	25.9	34.2	53.2	74.7	82.3	78.5
67.5°	19.6	20.9	22.2	19.6	20.9	21.5	29.1	47.5	65.8	72.1	69.0
70°	19.0	19.6	19.6	17.1	16.5	17.1	25.3	40.5	57.6	63.9	59.5
72.5°	17.7	18.4	17.7	13.9	12.0	13.3	21.5	34.2	48.7	53.8	50.0
75°	16.5	17.1	16.5	11.4	7.6	9.5	17.7	29.7	41.8	44.3	42.4
77.5°	13.9	15.2	15.2	8.2	2.5	5.7	13.3	24.0	34.8	34.8	35.4
80°	1.3	3.8	6.3	4.4	0.0	0.6	4.4	12.7	22.2	21.5	23.4
82.5°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	7.6	5.7	6.3
85°	0.0	0.0	0.0	0.0	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	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9
2.5°	1419.5	1399.9	1424.6	1499.9	1469.5	1475.2	1455.0	1579.7	1720.8	1725.2
5°	1418.9	1401.2	1437.9	1434.7	1521.4	1615.7	1706.9	1854.3	2063.2	2064.4
7.5°	1127.1	1232.2	1259.4	1251.2	1362.6	1492.3	1632.8	1915.1	2086.6	2104.9
10°	1016.4	1062.0	1117.7	1137.9	1184.1	1307.5	1466.4	1786.0	1978.4	2020.8
12.5°	881.0	1026.5	1100.6	1244.2	1270.8	1288.5	1539.1	1817.0	1934.1	1929.0
15°	729.7	856.3	973.4	1148.7	1220.8	1406.9	1604.3	1968.2	2037.9	2104.9
17.5°	516.4	612.0	791.7	975.9	1196.1	1398.7	1784.1	2238.5	2370.1	2449.9
20°	345.5	391.7	554.4	798.1	1077.2	1278.4	1857.5	2482.8	2626.4	2695.4
22.5°	280.4	302.5	386.7	584.8	920.2	1272.7	1887.2	2749.2	3135.3	3227.0
25°	246.8	262.0	306.9	432.9	763.9	1247.4	2051.8	3049.2	3515.0	3589.0
27.5°	215.8	238.6	272.1	356.9	655.0	1229.7	2135.3	3553.0	4108.6	4181.4
30°	206.3	234.2	266.4	325.3	579.1	1161.3	2268.2	4007.4	4534.5	4664.3
32.5°	222.8	232.3	248.1	298.1	520.2	1089.2	2501.8	4550.4	4887.1	5056.0
35°	176.6	193.7	221.5	273.4	495.5	1085.4	2634.0	4899.7	5452.2	5556.6
37.5°	172.8	188.6	224.7	266.4	525.3	1114.5	2830.2	5615.5	6471.1	6685.0
40°	167.7	188.0	222.1	263.3	525.3	1143.0	2955.5	6188.2	7156.5	7373.6
42.5°	165.8	191.8	221.5	276.6	508.8	1158.8	3144.8	6759.7	7880.5	8052.1
45°	164.5	195.6	223.4	292.4	505.0	1210.7	3251.7	7037.6	8346.3	8543.2
47.5°	161.4	195.6	249.4	282.9	484.1	1205.6	3390.3	7449.6	8624.2	8790.0
50°	158.9	196.8	282.3	265.2	487.3	1174.6	3578.3	7836.2	9013.4	9131.7
52.5°	153.2	201.3	277.2	240.5	477.8	1171.4	3858.6	8386.2	9525.4	9612.1
55°	140.5	195.6	250.6	210.1	444.3	1135.4	4230.1	9101.4	10235.5	10250.7
57.5°	129.1	181.6	209.5	193.0	372.1	1139.8	4550.4	9759.6	10868.3	10939.2
60°	117.7	188.6	162.6	179.7	308.2	1058.8	4705.4	10011.4	11329.1	11432.9
62.5°	107.0	174.0	138.6	165.2	274.7	983.5	4597.8	9808.9	11387.9	11605.6
65°	94.9	120.9	117.1	148.1	277.8	877.8	4238.4	9215.9	11164.5	11464.5
67.5°	81.6	94.9	103.2	127.8	297.5	787.3	3621.9	8264.1	10563.9	10903.8
70°	71.5	85.4	89.9	112.0	309.5	727.8	2858.1	6943.3	9333.6	9647.5
72.5°	59.5	79.1	80.4	98.1	298.1	668.9	2036.6	4984.5	7087.6	7238.2
75°	51.3	65.8	72.8	82.3	250.6	499.3	1122.1	3085.3	4481.4	4649.7
77.5°	46.2	50.0	55.1	57.0	106.3	260.1	386.1	1902.4	2509.3	2699.2
80°	35.4	39.2	38.0	39.2	58.2	89.9	146.8	891.7	1185.4	1291.1
82.5°	11.4	19.0	20.9	17.7	38.0	44.3	42.4	308.2	385.4	409.5
85°	2.5	7.0	3.2	0.0	12.7	22.8	3.2	46.8	92.4	68.4
87.5°	0.0	0.0	0.0	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	0.0	0.0	0.0

(END OF REPORT)