

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: P227770

Luminaire Tested: **ISC-AF-350-LED-E1-T3-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227770  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29759)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISC-AF-350-LED-E1-T3-7060  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2385 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium - Semi-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 20.09  
Input Voltage (V): 120  
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

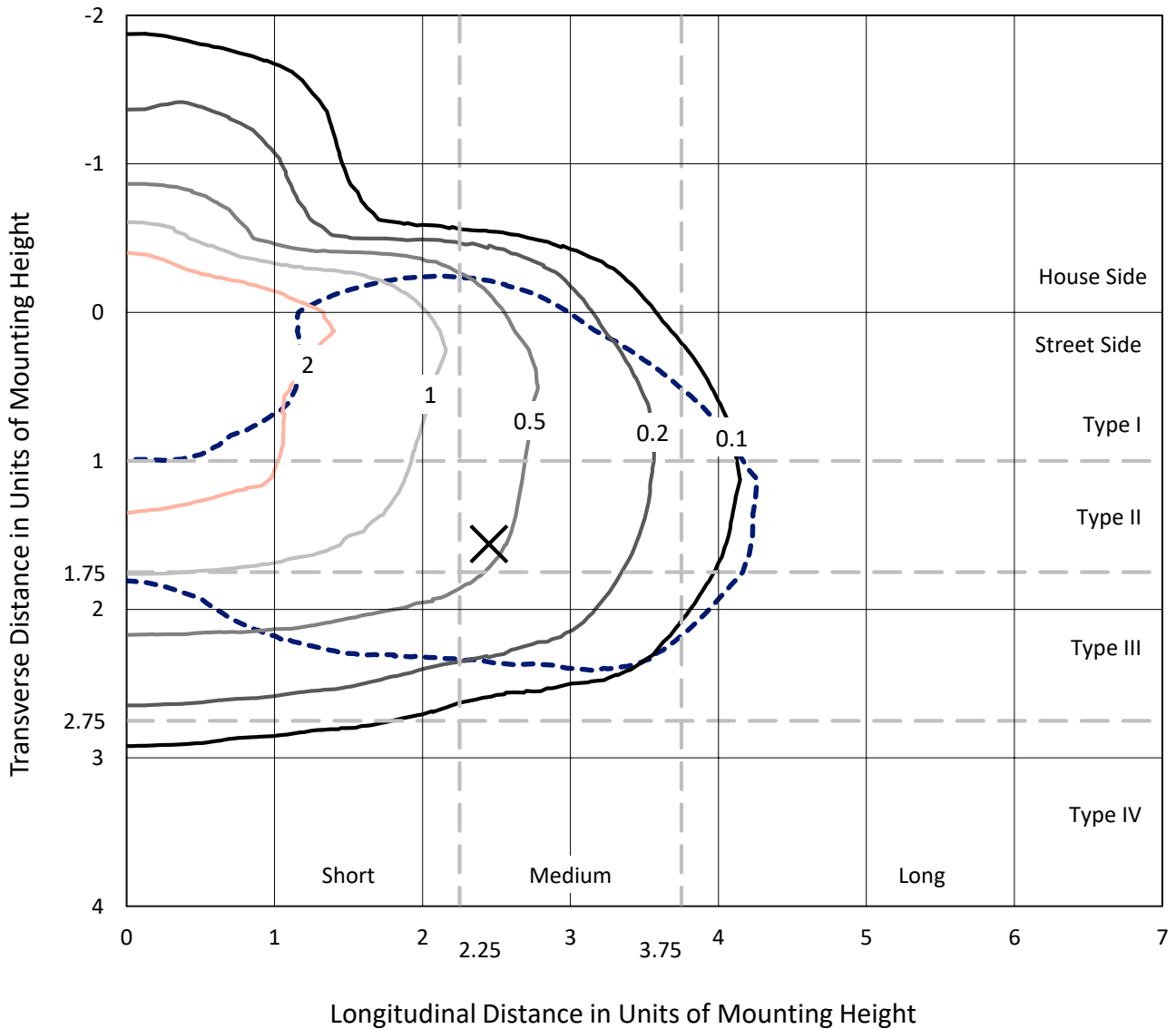


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### Iso-Footcandle Lines of Horizontal Illumination

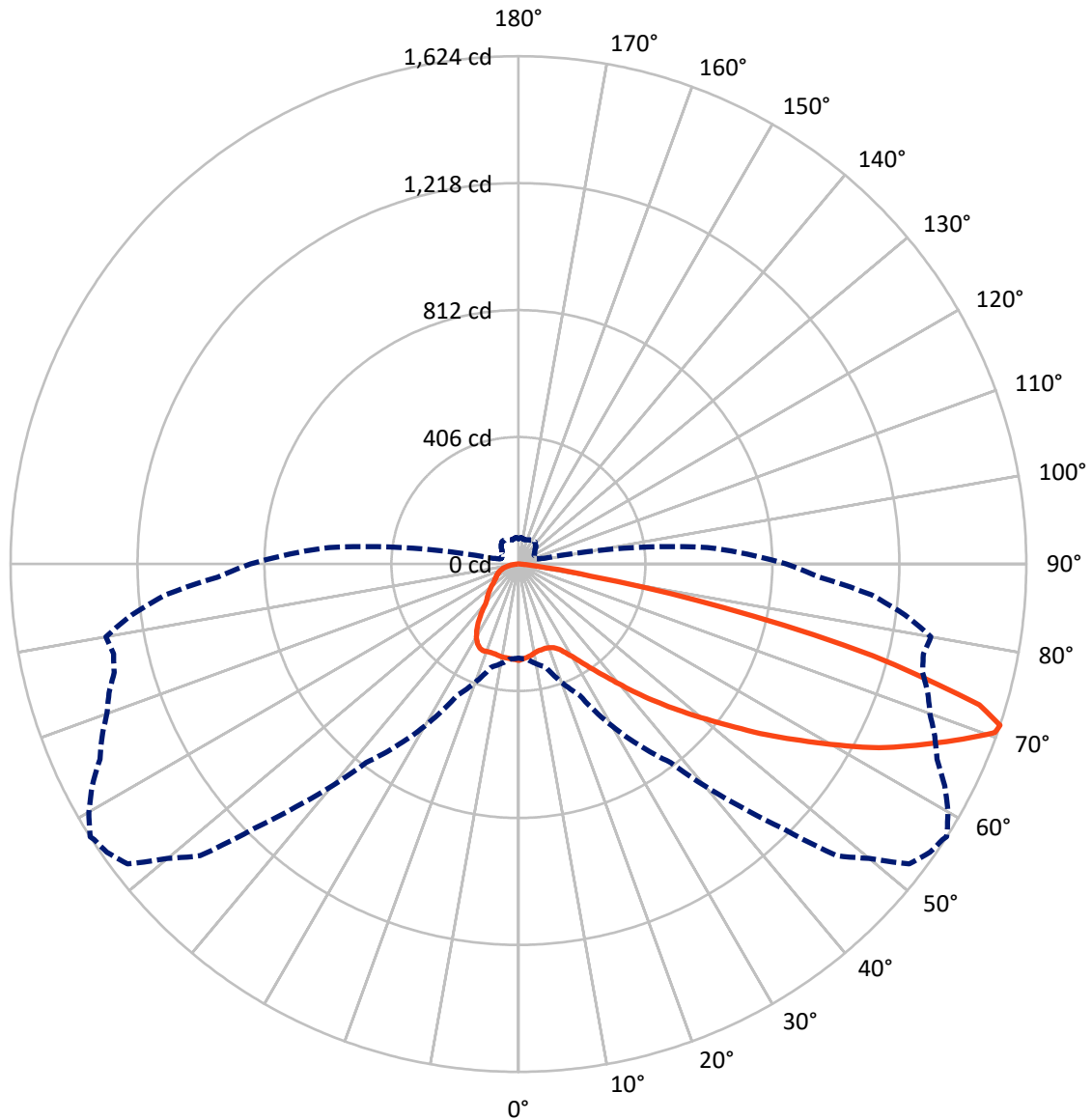
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Medium - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	519.2	0.0	519.2
	% Fixture	21.8	0.0	21.8
<b>Street Side</b>	Lumens	1865.8	0.0	1865.8
	% Fixture	78.2	0.0	78.2
<b>Total</b>	Lumens	2385.0	0.0	2385.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.0	1.2
10°-20°	83.6	3.5
20°-30°	138.7	5.8
30°-40°	220.8	9.3
40°-50°	358.7	15.0
50°-60°	537.8	22.6
60°-70°	641.6	26.9
70°-80°	346.5	14.5
80°-90°	28.2	1.2
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°	2385.0	100.0
0°-180°	2385.0	100.0



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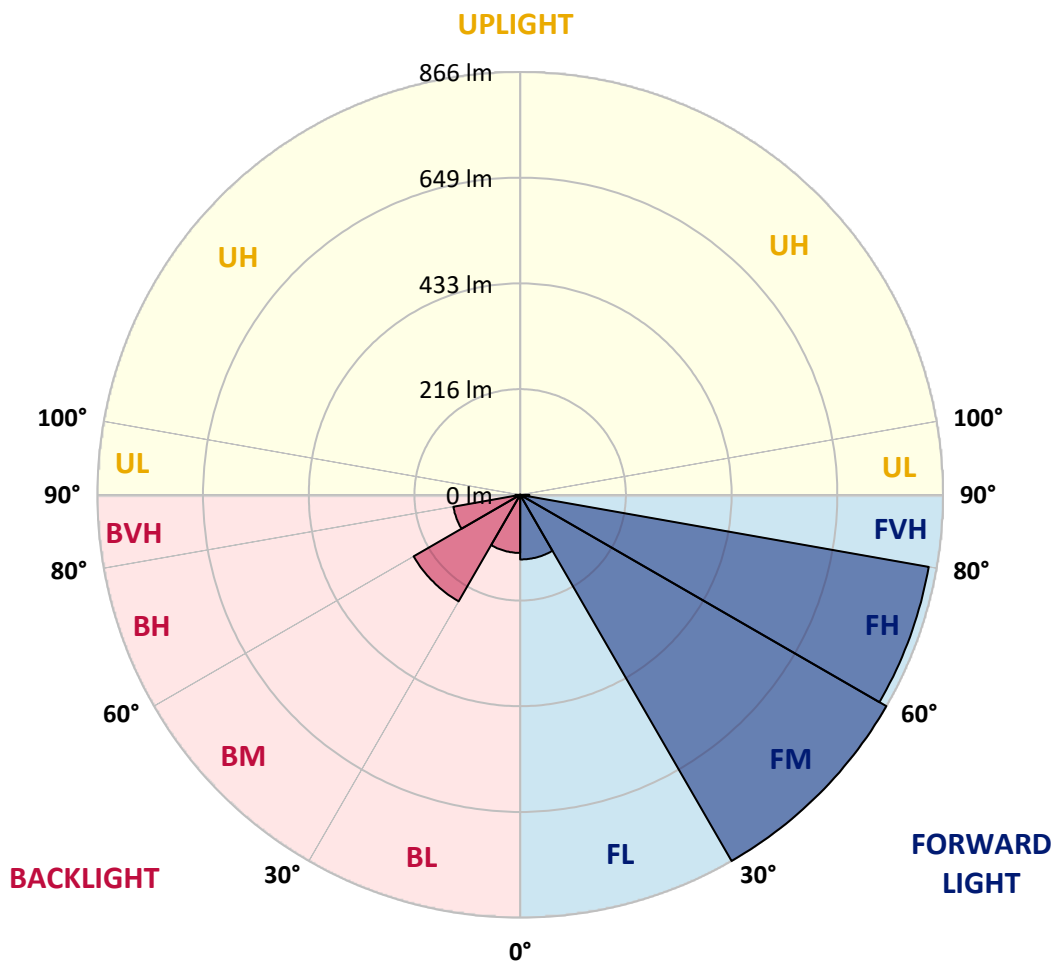
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.3	5.5			
FM	(30°-60°)	865.6	36.3			
FH	(60°-80°)	849.3	35.6			G1/1800
FVH	(80°-90°)	18.6	0.8			G1/100
BL	(0°-30°)	118.9	5.0	B1/500		
BM	(30°-60°)	251.8	10.6	B1/1000		
BH	(60°-80°)	138.9	5.8	B1/500		G1/500
BVH	(80°-90°)	9.6	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1
2.5°	308.1	307.3	306.5	306.5	306.5	305.7	303.4	304.2	306.5	305.0	307.3
5°	307.3	305.7	305.0	305.0	305.0	302.6	301.8	301.0	305.7	301.8	305.0
7.5°	298.6	298.6	297.1	298.6	300.2	297.9	296.3	297.1	301.0	297.1	301.0
10°	292.3	290.8	290.0	290.0	291.6	288.4	286.8	288.4	293.1	288.4	293.9
12.5°	290.0	290.8	288.4	288.4	287.6	283.7	283.7	283.7	287.6	283.7	288.4
15°	293.9	293.1	290.8	289.2	286.8	283.7	282.9	283.7	286.8	282.1	287.6
17.5°	299.4	299.4	295.5	291.6	289.2	286.0	286.0	284.5	286.8	283.7	287.6
20°	313.6	311.3	305.7	299.4	293.1	291.6	288.4	288.4	290.0	286.8	289.2
22.5°	338.0	335.7	326.2	314.4	304.2	300.2	298.6	297.9	296.3	294.7	294.7
25°	370.4	366.4	355.4	341.2	323.9	320.7	317.6	315.2	309.7	309.7	305.7
27.5°	405.0	401.1	389.3	373.5	352.2	347.5	343.6	340.4	331.0	331.0	323.9
30°	444.4	439.7	425.5	408.2	383.8	382.2	376.7	371.9	359.3	358.5	349.1
32.5°	490.1	483.8	469.6	446.8	420.8	421.6	412.9	409.8	393.2	394.0	381.4
35°	542.1	535.0	520.9	490.9	464.1	466.5	458.6	453.1	432.6	432.6	419.2
37.5°	597.3	597.3	579.2	544.5	512.2	517.7	508.3	502.7	482.3	485.4	464.1
40°	658.8	662.7	643.0	603.6	570.5	572.9	565.8	559.5	535.0	540.6	517.7
42.5°	723.4	730.5	713.1	672.2	635.1	643.0	631.2	624.9	598.9	610.7	583.9
45°	817.2	818.7	786.4	747.0	716.3	723.4	706.8	704.5	672.2	684.8	658.0
47.5°	876.3	872.3	848.7	825.0	806.9	821.1	806.1	802.2	765.1	773.8	736.0
50°	916.4	918.8	900.7	898.3	901.5	928.3	925.9	918.0	873.9	867.6	820.3
52.5°	952.7	942.4	939.3	961.4	995.2	1026.8	1039.4	1029.1	981.1	963.7	918.0
55°	946.4	931.4	948.0	1001.5	1068.5	1117.4	1119.0	1111.9	1068.5	1061.4	1011.8
57.5°	903.8	907.0	940.9	1017.3	1130.8	1181.2	1189.9	1181.2	1145.7	1152.0	1111.1
60°	844.7	851.0	904.6	1003.1	1180.4	1223.8	1227.7	1237.9	1214.3	1230.8	1202.5
62.5°	756.5	765.1	833.7	967.7	1145.7	1210.4	1246.6	1270.2	1265.5	1303.3	1288.4
65°	695.0	695.0	762.0	926.7	1111.9	1197.0	1251.3	1295.5	1301.8	1361.7	1356.1
67.5°	580.8	584.7	642.2	812.4	1070.9	1167.0	1249.0	1323.8	1361.7	1456.2	1460.9
70°	401.9	405.0	442.9	580.0	865.2	947.2	1067.7	1189.9	1303.3	1446.0	1520.0
71°	301.0	305.0	342.0	462.6	732.8	800.6	925.9	1052.8	1195.4	1380.6	1464.1
72.5°	147.4	149.7	186.0	297.1	509.8	596.5	669.0	790.4	941.7	1153.6	1271.8
75°	68.6	69.3	77.2	107.2	194.6	231.7	264.0	342.0	435.8	621.7	765.1
77.5°	50.4	50.4	55.2	70.1	100.9	102.4	100.9	103.2	124.5	178.1	267.9
80°	37.0	37.0	40.2	47.3	67.0	67.0	64.6	65.4	63.0	65.4	74.1
82.5°	24.4	24.4	26.0	28.4	41.0	41.0	39.4	39.4	37.8	37.0	40.2
85°	14.2	15.0	15.8	13.4	17.3	16.5	15.0	16.5	15.8	14.2	17.3
87.5°	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	0.8
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):**

	52.5°	55°	57°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1
2.5°	304.2	306.5	306.5	303.4	305.7	303.4	305.0	302.6	305.0	301.0	305.7
5°	301.8	304.2	304.2	299.4	304.2	299.4	303.4	297.9	303.4	297.1	303.4
7.5°	295.5	301.0	301.0	294.7	300.2	295.5	300.2	294.7	299.4	292.3	300.2
10°	288.4	293.9	294.7	288.4	294.7	289.2	296.3	289.2	296.3	288.4	297.1
12.5°	283.7	290.0	291.6	284.5	292.3	285.3	293.9	286.0	293.9	285.3	295.5
15°	282.9	288.4	290.0	283.7	290.8	282.9	293.1	283.7	293.9	284.5	296.3
17.5°	283.7	288.4	290.0	282.9	290.0	283.7	292.3	284.5	293.9	285.3	296.3
20°	286.0	289.2	289.2	285.3	290.8	285.3	292.3	284.5	294.7	286.8	297.1
22.5°	293.1	293.9	293.9	290.8	293.9	290.0	295.5	290.0	297.1	290.8	300.2
25°	305.0	304.2	302.6	301.8	302.6	300.2	303.4	299.4	306.5	301.0	310.5
27.5°	325.4	322.3	320.7	320.7	319.9	320.7	320.7	319.1	322.3	320.7	327.0
30°	350.7	345.1	342.8	345.1	342.0	345.1	344.4	343.6	346.7	345.1	350.7
32.5°	383.8	374.3	372.7	377.4	371.1	376.7	371.9	374.3	376.7	378.2	381.4
35°	422.4	411.3	409.8	414.5	407.4	415.3	409.8	412.9	414.5	418.4	420.8
37.5°	468.1	454.7	452.3	458.6	449.2	457.8	449.9	459.4	457.0	462.6	464.9
40°	523.2	507.5	502.0	510.6	499.6	506.7	498.8	509.0	506.7	517.7	520.1
42.5°	591.0	568.1	562.6	571.3	554.7	557.1	550.8	562.6	561.1	576.0	578.4
45°	661.1	633.5	625.7	634.3	615.4	620.2	610.7	623.3	622.5	634.3	643.8
47.5°	739.1	705.3	695.0	704.5	681.6	687.1	677.7	691.1	691.9	705.3	714.7
50°	820.3	784.8	771.4	780.1	758.8	762.8	753.3	769.9	769.1	787.2	794.3
52.5°	908.6	872.3	862.1	866.0	840.8	845.5	837.6	858.1	853.4	864.4	878.6
55°	1006.3	964.5	952.7	964.5	934.6	940.9	930.6	949.5	941.7	955.8	959.8
57.5°	1106.3	1065.4	1055.9	1064.6	1036.2	1040.9	1027.5	1043.3	1037.0	1046.5	1052.8
60°	1212.7	1175.7	1166.2	1175.7	1148.1	1148.9	1126.0	1142.6	1133.1	1145.0	1142.6
62.5°	1314.4	1282.9	1280.5	1293.9	1259.2	1255.3	1227.7	1239.5	1226.1	1234.0	1224.5
65°	1401.1	1382.9	1386.1	1397.1	1366.4	1356.9	1325.4	1331.7	1312.0	1312.0	1300.2
67.5°	1514.5	1494.8	1494.8	1504.3	1465.7	1441.2	1397.9	1392.4	1360.1	1353.8	1326.2
70°	1609.1	1614.6	1608.3	1616.2	1570.5	1520.8	1463.3	1435.7	1393.2	1372.7	1340.4
71°	1575.2	1606.7	1617.8	1624.1	1586.2	1536.6	1476.7	1441.2	1400.3	1372.7	1338.0
72.5°	1421.5	1498.0	1541.3	1541.3	1546.0	1514.5	1457.0	1418.4	1371.9	1335.7	1303.3
75°	996.0	1120.5	1176.5	1170.2	1211.1	1225.3	1230.1	1213.5	1187.5	1135.5	1112.6
77.5°	443.6	584.7	669.0	669.8	713.9	752.5	783.3	815.6	803.8	778.5	777.0
80°	100.9	182.8	234.0	236.4	276.6	312.0	333.3	365.6	369.6	333.3	312.8
82.5°	43.3	51.2	58.3	57.5	70.9	85.1	100.9	109.5	105.6	87.5	82.7
85°	18.1	23.6	25.2	23.6	29.2	32.3	37.8	38.6	44.9	40.2	42.6
87.5°	0.0	0.8	0.8	0.0	1.6	0.0	1.6	0.8	3.9	1.6	4.7
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):**

	77.5°	80°	82.5°	85°	87.5°	90°	95°	100°	102.5°	105°	107.5°
0°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1
2.5°	302.6	306.5	302.6	306.5	304.2	306.5	305.7	306.5	302.6	306.5	301.8
5°	297.1	303.4	297.9	302.6	297.9	303.4	303.4	303.4	297.9	304.2	298.6
7.5°	292.3	299.4	292.3	299.4	294.7	300.2	300.2	302.6	296.3	303.4	295.5
10°	287.6	296.3	287.6	297.9	290.0	298.6	299.4	301.0	292.3	301.8	293.9
12.5°	285.3	296.3	286.0	296.3	286.8	298.6	299.4	301.0	291.6	303.4	293.1
15°	285.3	297.1	286.0	297.1	286.8	298.6	300.2	301.8	291.6	304.2	293.1
17.5°	285.3	297.1	287.6	297.9	288.4	299.4	301.0	302.6	293.1	304.2	294.7
20°	287.6	298.6	289.2	300.2	290.8	301.8	302.6	305.0	294.7	305.0	296.3
22.5°	293.1	302.6	294.7	305.0	297.9	306.5	307.3	309.7	301.8	310.5	303.4
25°	302.6	312.8	306.5	314.4	310.5	317.6	319.1	319.1	316.0	321.5	319.1
27.5°	322.3	330.2	325.4	332.5	330.2	335.7	335.7	336.5	338.8	340.4	342.8
30°	347.5	353.0	351.4	355.4	356.2	359.3	359.3	364.1	373.5	364.1	363.3
32.5°	381.4	384.5	385.3	386.9	390.1	392.4	395.6	401.1	409.0	386.9	379.8
35°	423.2	423.9	426.3	428.7	434.2	435.8	446.0	442.1	442.1	407.4	392.4
37.5°	468.9	468.9	475.2	475.2	488.6	489.3	499.6	479.1	467.3	422.4	400.3
40°	526.4	525.6	532.7	534.3	552.4	553.2	551.6	506.7	481.5	426.3	396.4
42.5°	587.1	589.4	598.9	602.0	615.4	620.2	600.5	525.6	487.8	423.9	383.0
45°	653.2	658.0	669.8	678.5	692.6	687.1	639.9	534.3	480.7	409.8	357.0
47.5°	725.7	730.5	739.9	756.5	762.8	756.5	672.2	537.4	469.6	387.7	319.1
50°	799.0	806.9	820.3	843.9	847.1	831.3	711.6	549.2	461.0	364.8	275.8
52.5°	881.8	889.6	905.4	944.8	936.9	904.6	758.1	571.3	463.3	350.7	238.8
55°	969.2	980.3	1011.0	1049.6	1032.3	981.8	809.3	603.6	472.8	335.7	197.8
57.5°	1061.4	1073.2	1113.4	1159.1	1125.3	1057.5	861.3	628.8	477.5	305.0	152.9
60°	1152.8	1169.4	1221.4	1259.2	1206.4	1122.1	907.8	645.4	464.9	246.6	118.2
62.5°	1236.4	1263.2	1321.5	1342.0	1257.6	1163.1	933.0	633.5	413.7	170.2	95.3
65°	1295.5	1330.1	1368.0	1365.6	1248.2	1149.7	914.1	579.2	308.1	112.7	81.2
67.5°	1320.7	1353.0	1361.7	1321.5	1180.4	1090.6	846.3	466.5	177.3	84.3	70.9
70°	1330.1	1357.7	1308.9	1211.9	1048.0	945.6	691.9	297.1	96.9	68.6	61.5
71°	1326.2	1339.6	1246.6	1133.1	963.7	856.6	606.8	226.2	82.7	63.8	58.3
72.5°	1272.6	1253.7	1110.3	984.2	817.2	708.4	472.0	142.6	67.8	57.5	54.4
75°	1040.2	955.0	817.2	698.2	556.3	445.2	256.1	73.3	54.4	49.6	47.3
77.5°	680.0	606.0	492.5	400.3	304.2	230.9	104.8	50.4	43.3	41.8	41.0
80°	242.7	194.6	147.4	129.2	97.7	80.4	51.2	38.6	33.9	34.7	33.9
82.5°	68.6	63.0	54.4	50.4	44.1	43.3	33.1	29.2	26.8	28.4	27.6
85°	33.9	29.2	21.3	20.5	15.8	18.1	16.5	19.7	17.3	18.1	16.5
87.5°	2.4	3.2	0.8	2.4	0.0	2.4	3.2	3.9	0.8	3.2	2.4
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):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°
0°	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1	308.1
2.5°	307.3	304.2	308.1	304.2	308.1	305.7	308.1	305.7	308.1	309.7	309.7
5°	305.7	300.2	307.3	303.4	308.1	304.2	307.3	305.0	308.9	310.5	312.0
7.5°	305.0	299.4	306.5	301.0	308.1	302.6	307.3	304.2	308.9	310.5	313.6
10°	304.2	297.1	306.5	298.6	307.3	301.8	307.3	302.6	308.1	309.7	310.5
12.5°	304.2	296.3	306.5	297.9	307.3	299.4	306.5	299.4	307.3	306.5	304.2
15°	305.0	294.7	306.5	296.3	306.5	297.1	305.7	296.3	304.2	301.8	300.2
17.5°	305.0	294.7	305.7	295.5	305.0	296.3	303.4	294.7	301.8	301.0	298.6
20°	306.5	296.3	305.7	298.6	305.7	297.1	302.6	294.7	300.2	295.5	286.0
22.5°	311.3	304.2	311.3	304.2	307.3	299.4	301.8	292.3	291.6	283.7	268.7
25°	322.3	319.1	317.6	308.9	306.5	296.3	293.1	282.1	278.2	266.3	245.9
27.5°	336.5	329.4	319.9	309.7	299.4	286.8	278.2	269.5	260.8	245.9	219.9
30°	345.9	335.7	316.0	301.8	282.9	272.6	257.7	248.2	235.6	216.7	191.5
32.5°	352.2	336.5	306.5	290.0	264.8	251.4	231.7	221.4	203.3	185.2	167.1
35°	353.8	333.3	293.9	275.8	242.7	227.7	201.7	190.7	173.4	160.8	153.7
37.5°	347.5	322.3	274.2	250.6	214.3	197.0	172.6	164.7	154.4	149.7	146.6
40°	334.9	301.0	243.5	215.9	178.9	165.5	152.9	152.9	147.4	145.0	139.5
42.5°	312.0	269.5	204.1	177.3	152.1	149.7	142.6	145.8	141.8	140.3	132.4
45°	276.6	224.6	164.7	148.9	137.1	138.7	134.0	137.1	134.7	134.0	124.5
47.5°	230.9	178.9	138.7	133.2	125.3	127.7	123.7	127.7	125.3	126.1	119.0
50°	184.4	145.0	122.9	119.8	114.3	115.8	113.5	117.4	116.6	119.8	115.8
52.5°	147.4	123.7	109.5	107.2	104.0	104.8	104.0	108.0	108.7	115.0	115.0
55°	122.1	106.4	98.5	97.7	94.6	95.3	96.1	100.1	103.2	111.1	115.0
57.5°	104.8	95.3	89.8	89.0	87.5	88.3	89.8	94.6	97.7	108.0	116.6
60°	92.2	86.7	82.7	82.7	81.2	82.7	84.3	89.0	93.0	104.8	113.5
62.5°	82.7	78.8	76.4	77.2	76.4	78.0	79.6	84.3	89.0	100.1	108.7
65°	74.1	71.7	70.1	70.9	70.9	73.3	74.9	79.6	83.5	93.8	104.8
67.5°	67.0	65.4	64.6	65.4	66.2	68.6	70.9	74.1	77.2	86.7	99.3
70°	61.5	59.9	59.9	59.9	60.7	63.0	66.2	67.8	70.9	81.2	93.0
71°	58.3	57.5	57.5	57.5	58.3	60.7	63.8	65.4	68.6	78.8	89.8
72.5°	54.4	54.4	55.2	54.4	55.9	56.7	59.9	61.5	65.4	75.6	85.9
75°	48.1	48.1	48.9	48.9	50.4	50.4	52.8	54.4	59.1	67.8	77.2
77.5°	42.6	42.6	44.1	43.3	43.3	41.8	44.9	46.5	50.4	59.1	68.6
80°	36.2	35.5	37.0	34.7	33.9	32.3	34.7	37.0	43.3	48.9	50.4
82.5°	28.4	26.0	26.8	24.4	24.4	22.9	25.2	26.0	29.9	35.5	38.6
85°	17.3	14.2	15.8	13.4	15.0	13.4	14.2	15.0	18.1	22.1	21.3
87.5°	3.9	2.4	3.2	0.8	2.4	0.0	2.4	0.8	2.4	0.8	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):**

	155°	165°	175°	180°
0°	308.1	308.1	308.1	308.1
2.5°	311.3	310.5	311.3	310.5
5°	315.2	315.2	316.0	316.8
7.5°	316.0	317.6	319.1	318.3
10°	310.5	308.9	310.5	308.9
12.5°	301.8	300.2	301.8	301.8
15°	301.0	300.2	301.0	301.0
17.5°	295.5	291.6	290.0	289.2
20°	279.7	272.6	271.1	268.7
22.5°	257.7	247.4	244.3	241.9
25°	230.9	216.7	211.2	208.0
27.5°	201.7	187.5	182.0	182.0
30°	178.9	167.8	162.3	162.3
32.5°	162.3	156.0	152.1	152.9
35°	148.9	145.0	142.6	143.4
37.5°	140.3	134.0	128.4	128.4
40°	131.6	123.7	116.6	116.6
42.5°	123.7	115.8	111.1	110.3
45°	115.8	110.3	106.4	105.6
47.5°	111.9	107.2	103.2	102.4
50°	110.3	105.6	100.1	100.1
52.5°	111.9	108.0	97.7	97.7
55°	115.0	112.7	97.7	96.1
57.5°	111.9	108.0	98.5	96.1
60°	104.8	98.5	96.9	95.3
62.5°	100.1	93.8	96.9	96.1
65°	96.1	91.4	98.5	96.9
67.5°	92.2	87.5	98.5	95.3
70°	87.5	82.7	89.8	84.3
71°	85.1	79.6	85.1	80.4
72.5°	81.2	74.9	76.4	73.3
75°	73.3	67.0	65.4	64.6
77.5°	60.7	53.6	51.2	50.4
80°	46.5	41.8	41.8	39.4
82.5°	34.7	30.7	29.9	26.0
85°	18.1	14.2	11.8	11.8
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)