

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: LUMARK

Report Number: P146320

Luminaire Tested: **LDRL-T2-E01-E**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146320  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRL-T2-E01-E  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2998.6 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

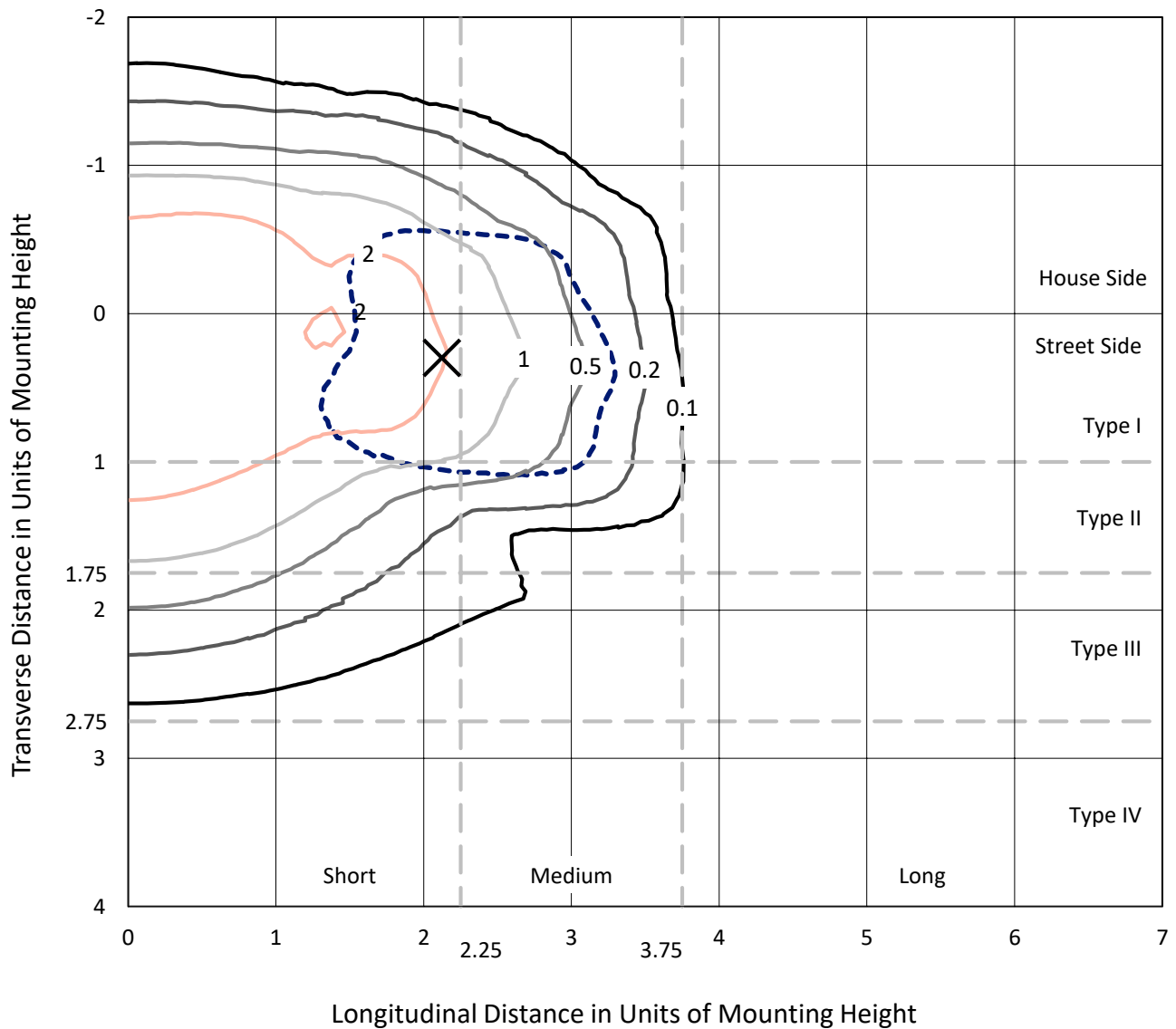
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

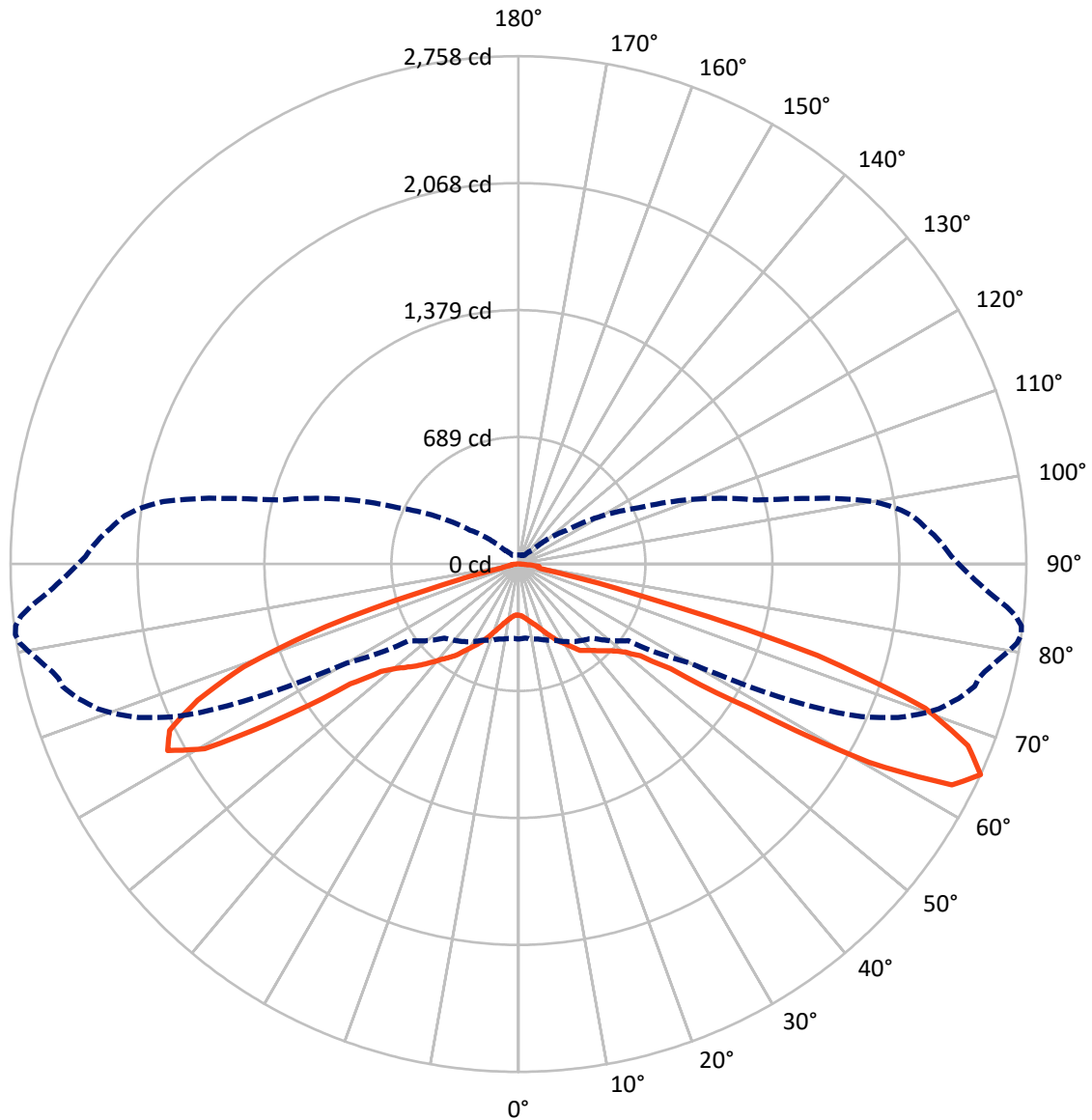
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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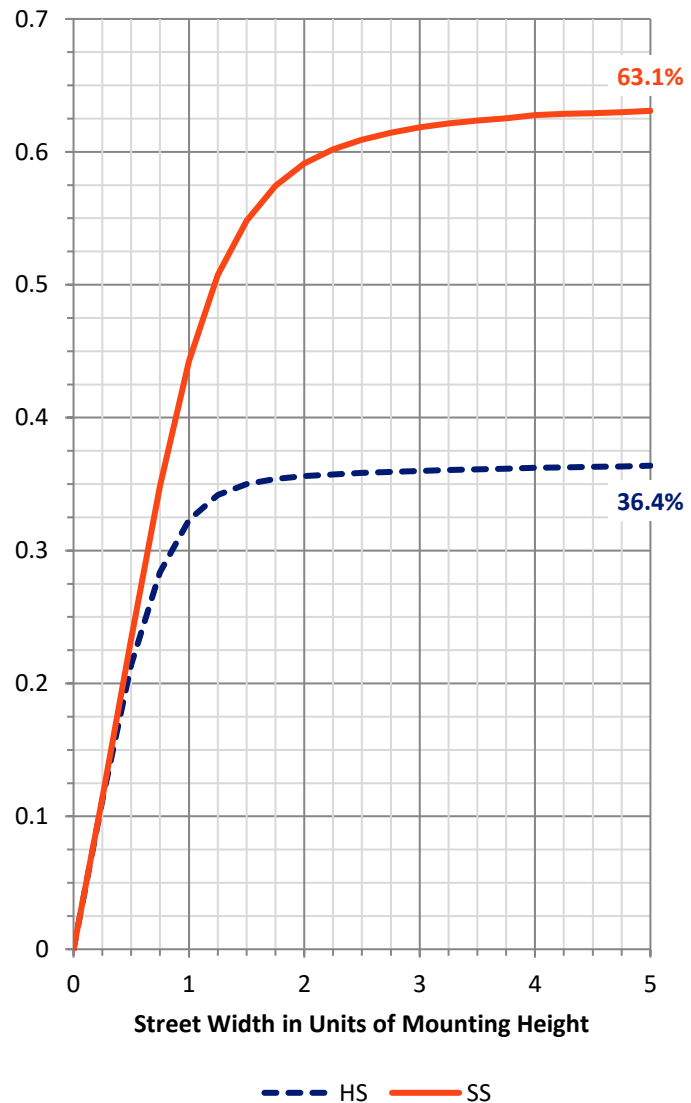
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1103.8	0.0	1103.8
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	1894.8	0.0	1894.8
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	2998.6	0.0	2998.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.2	0.9
10°-20°	99.3	3.3
20°-30°	197.0	6.6
30°-40°	336.1	11.2
40°-50°	504.0	16.8
50°-60°	701.5	23.4
60°-70°	805.9	26.9
70°-80°	278.1	9.3
80°-90°	48.6	1.6
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°	2998.6	100.0
0°-180°	2998.6	100.0



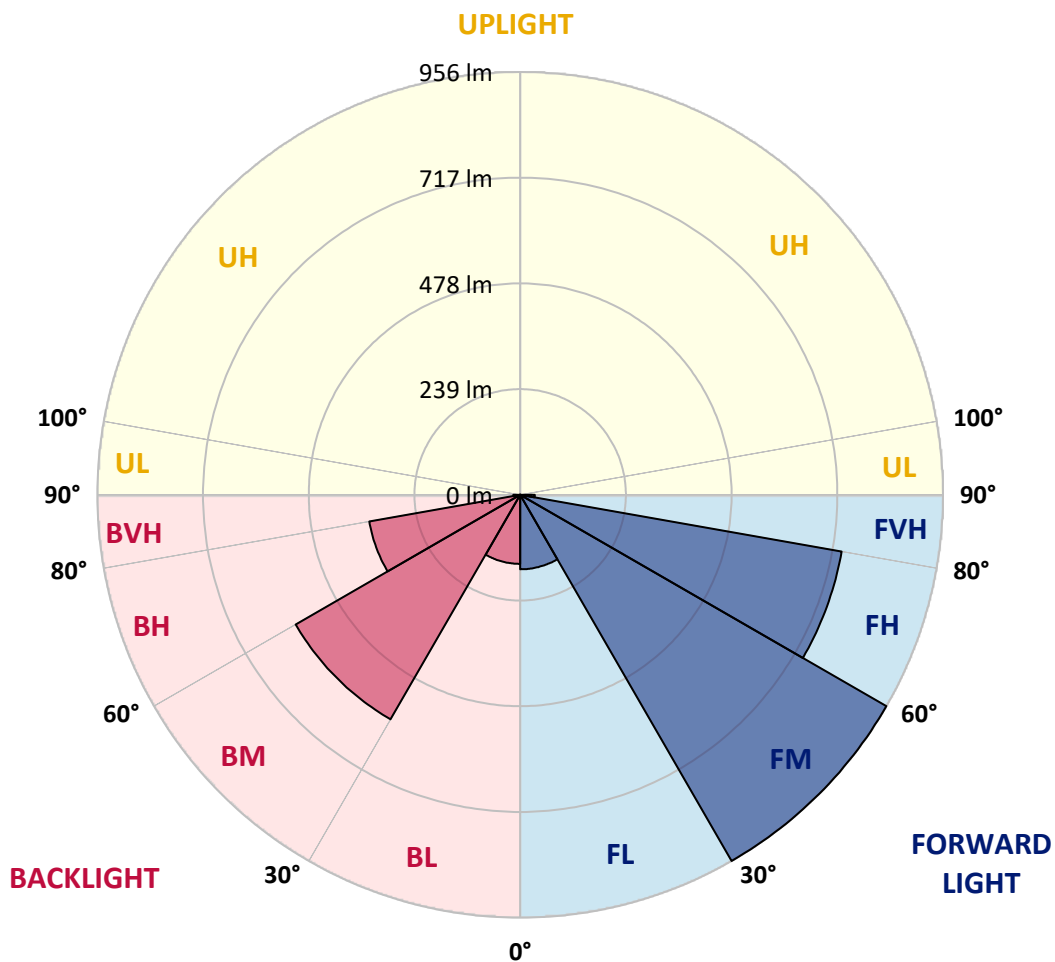
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.3	5.6			
FM	(30°-60°)	955.7	31.9			
FH	(60°-80°)	737.7	24.6			G1/1800
FVH	(80°-90°)	33.0	1.1			G1/100
BL	(0°-30°)	156.1	5.2	B1/500		
BM	(30°-60°)	585.8	19.5	B1/1000		
BH	(60°-80°)	346.2	11.5	B1/500		G1/500
BVH	(80°-90°)	15.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8
2.5°	293.2	293.0	292.8	292.0	291.6	290.0	288.4	287.4	286.6	287.0	285.8
5°	310.2	310.2	309.4	308.4	307.2	305.0	301.0	299.0	298.6	298.6	297.2
7.5°	327.6	328.8	326.6	325.8	323.8	320.4	315.8	313.2	312.4	312.4	311.2
10°	349.6	349.0	346.6	345.0	341.0	336.4	330.2	327.2	326.0	327.0	325.0
12.5°	372.8	372.6	369.0	366.0	360.4	353.0	344.8	340.8	340.0	340.0	338.8
15°	396.4	396.6	392.6	387.0	378.2	368.2	359.0	355.2	354.2	353.8	352.4
17.5°	414.4	416.4	412.4	405.2	394.4	383.4	373.6	369.8	369.6	369.2	367.6
20°	424.6	425.0	422.8	417.6	408.0	397.4	390.6	388.8	388.6	388.8	389.2
22.5°	424.2	424.8	424.0	422.0	415.8	410.0	409.2	410.2	410.8	410.2	411.6
25°	421.0	421.8	421.8	422.8	421.2	423.2	429.6	432.4	432.6	433.0	436.0
27.5°	428.0	428.8	428.6	430.4	431.8	438.8	450.4	455.4	456.0	457.4	460.2
30°	460.4	460.6	457.0	456.8	458.2	463.8	475.6	481.4	480.8	483.6	485.4
32.5°	511.6	513.2	509.6	505.8	505.2	506.0	508.2	512.2	511.6	513.0	515.4
35°	570.0	570.2	568.2	570.4	571.6	566.2	555.8	554.8	551.6	552.2	553.0
37.5°	623.6	625.0	628.8	642.8	650.8	637.6	617.2	604.4	602.4	601.4	594.4
40°	673.8	680.8	690.0	708.2	719.2	724.0	695.0	669.2	662.2	659.4	648.4
42.5°	732.6	736.2	747.0	767.8	782.4	804.2	784.8	756.4	748.2	736.2	722.4
45°	782.4	784.8	791.6	809.2	839.8	876.2	878.4	858.6	852.2	840.2	820.0
47.5°	815.8	815.6	820.6	837.8	877.6	933.2	966.2	965.4	958.0	953.8	936.6
50°	828.8	828.6	831.8	851.0	894.4	967.2	1040.0	1065.0	1064.8	1066.4	1057.6
52.5°	831.2	831.0	831.4	846.8	891.0	979.0	1093.2	1152.2	1160.8	1171.6	1181.4
55°	813.2	815.2	819.6	835.8	878.2	974.2	1132.6	1234.0	1254.6	1276.6	1312.2
57.5°	771.6	775.4	790.6	819.6	864.6	962.4	1160.0	1335.2	1377.0	1430.2	1526.6
60°	712.0	715.4	736.4	774.8	825.0	911.0	1128.2	1377.6	1457.0	1549.4	1747.0
62.5°	606.6	616.2	627.4	654.6	707.2	776.4	985.4	1306.0	1429.0	1564.6	1836.6
65°	407.4	403.4	422.0	456.6	514.4	568.2	726.0	1077.2	1232.8	1419.4	1756.0
67.5°	252.2	252.8	265.4	299.2	342.8	384.6	460.2	686.6	824.6	1002.0	1406.8
70°	208.4	210.8	221.0	252.4	289.6	336.8	341.6	364.0	425.8	511.6	869.0
72.5°	165.4	166.4	176.8	203.0	255.6	320.4	405.6	276.6	271.8	284.8	440.8
75°	102.6	103.4	108.6	125.4	165.8	249.6	446.6	318.0	298.0	281.2	284.0
77.5°	53.0	54.6	57.4	65.0	87.0	139.4	351.6	403.2	380.4	357.6	313.0
80°	30.0	30.0	32.6	34.4	41.2	56.8	178.8	436.4	476.8	486.6	437.0
82.5°	13.4	15.0	20.2	21.6	23.6	26.0	59.2	262.2	363.8	454.4	561.6
85°	8.0	7.8	12.8	14.0	14.6	12.4	22.2	107.0	170.0	248.8	372.2
87.5°	3.2	3.4	5.4	5.8	6.8	5.0	8.4	23.0	33.8	49.0	69.2
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8
2.5°	285.6	285.6	285.4	285.2	285.0	284.4	284.2	283.8	283.6	283.0	282.8
5°	297.0	296.4	296.2	295.8	295.6	294.8	294.8	294.0	293.4	292.6	292.4
7.5°	310.6	309.8	309.2	308.8	308.6	307.2	307.2	306.0	305.8	304.8	304.4
10°	324.4	323.8	323.0	322.6	322.4	321.6	320.8	320.0	319.4	318.8	318.0
12.5°	338.2	337.0	336.6	336.0	335.6	335.0	334.8	333.0	333.0	332.4	331.6
15°	351.6	351.4	350.0	349.8	349.4	349.6	348.4	348.6	348.0	347.0	346.6
17.5°	368.0	366.6	367.2	366.2	366.4	366.0	365.6	365.4	365.8	365.6	366.0
20°	388.4	388.0	388.6	387.2	388.6	388.8	388.4	389.4	389.0	389.4	388.2
22.5°	412.6	411.2	411.2	412.2	412.8	414.6	413.6	414.4	415.2	415.8	415.0
25°	437.0	436.6	437.4	438.2	439.4	441.0	440.6	440.8	442.4	443.4	443.6
27.5°	461.8	461.8	464.2	464.2	465.8	467.6	468.2	469.0	470.2	471.6	471.6
30°	487.4	487.4	489.6	491.6	492.4	494.6	495.8	497.0	499.2	499.6	501.4
32.5°	516.6	517.2	519.4	520.6	522.4	525.0	525.4	526.8	529.4	530.2	531.6
35°	554.6	552.6	554.6	556.8	557.8	557.0	561.4	563.2	565.0	566.0	567.8
37.5°	593.8	590.4	590.6	590.2	587.8	589.2	589.2	588.8	590.0	589.8	590.6
40°	643.4	637.4	635.6	631.8	626.6	623.8	620.8	620.4	617.4	618.6	616.4
42.5°	711.4	702.4	697.6	685.8	679.4	671.8	664.4	658.0	654.6	650.8	648.0
45°	804.8	794.2	782.6	763.6	752.6	737.4	727.6	713.0	703.2	695.0	689.2
47.5°	922.0	904.2	894.8	877.0	857.8	834.8	813.8	793.4	776.8	758.8	744.6
50°	1058.2	1036.0	1028.6	1005.0	994.2	968.4	946.0	920.8	894.8	867.6	841.6
52.5°	1178.8	1176.2	1179.2	1163.4	1163.0	1150.0	1125.2	1095.8	1071.6	1044.2	1010.0
55°	1323.4	1349.2	1354.8	1352.6	1364.4	1364.0	1361.6	1358.6	1339.4	1300.6	1288.8
57.5°	1578.6	1607.6	1650.4	1669.8	1712.6	1717.6	1757.2	1741.8	1771.2	1763.2	1768.6
60°	1838.4	1927.4	2008.6	2070.4	2130.4	2185.0	2251.8	2280.4	2301.8	2335.2	2370.4
62.5°	1954.6	2066.8	2163.6	2251.6	2326.2	2395.4	2452.8	2507.2	2550.0	2588.4	2618.0
65°	1907.6	2037.8	2132.2	2224.0	2293.6	2358.0	2415.0	2455.8	2498.4	2533.2	2564.6
67.5°	1588.2	1761.6	1884.8	1989.0	2076.4	2149.8	2209.0	2265.2	2295.4	2333.4	2350.4
70°	1052.0	1274.4	1448.6	1589.4	1728.0	1811.2	1881.4	1946.8	1981.2	2012.0	2031.0
72.5°	577.8	729.8	915.8	1083.2	1216.4	1325.6	1407.4	1469.4	1504.8	1531.2	1503.8
75°	327.4	402.4	493.4	586.0	687.0	764.0	785.6	812.0	818.2	804.6	769.4
77.5°	301.0	301.0	301.2	299.0	303.4	308.8	305.6	300.2	275.8	270.4	262.8
80°	391.4	348.8	303.2	249.0	203.0	171.2	161.4	162.2	170.0	185.2	202.0
82.5°	554.8	512.8	447.0	364.4	290.0	227.6	186.6	167.8	167.6	182.8	204.6
85°	404.6	408.0	393.4	348.0	277.6	218.6	176.6	135.6	122.4	122.4	120.8
87.5°	70.8	73.0	63.0	56.4	39.4	27.8	25.0	22.0	21.8	22.6	20.8
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8
2.5°	282.8	282.4	282.0	281.8	281.8	281.4	281.4	281.0	281.2	281.0	280.4
5°	292.0	291.8	291.2	290.2	290.0	289.2	289.4	288.6	288.6	288.2	287.2
7.5°	303.6	303.2	302.8	302.0	301.2	301.2	299.8	299.8	298.8	298.4	297.6
10°	317.4	316.2	315.6	314.8	314.6	314.4	313.0	313.0	311.8	311.6	311.0
12.5°	331.0	330.2	329.6	329.2	328.2	328.0	327.4	326.8	326.2	325.8	325.6
15°	345.8	345.4	344.8	344.8	344.8	343.8	343.2	342.8	342.8	342.2	342.6
17.5°	365.0	365.6	364.8	364.4	363.8	364.8	363.8	363.8	364.4	364.4	363.0
20°	388.8	389.6	388.8	389.0	388.6	388.8	389.0	389.4	390.2	388.8	389.0
22.5°	415.2	415.4	416.0	415.4	416.4	415.8	417.0	418.0	417.8	417.4	417.6
25°	444.0	443.4	443.6	445.4	446.8	446.4	446.6	448.2	447.8	447.4	447.6
27.5°	473.2	472.8	473.4	475.0	476.6	476.4	476.0	477.2	477.2	476.2	476.6
30°	502.2	502.8	503.8	503.8	504.6	505.4	504.8	506.2	506.4	505.6	506.6
32.5°	532.8	534.0	533.6	536.4	536.4	536.6	537.2	537.0	539.0	537.4	538.0
35°	569.6	570.0	572.4	574.4	575.6	576.6	576.6	577.2	578.2	577.4	578.6
37.5°	592.0	592.8	593.6	594.8	594.8	594.8	595.8	596.0	596.6	596.4	596.8
40°	616.6	616.8	617.0	617.2	618.0	618.4	617.4	618.8	617.8	618.2	618.8
42.5°	646.4	643.6	644.0	643.4	644.8	643.0	643.4	645.0	644.2	645.4	645.4
45°	681.0	677.8	675.0	673.4	673.4	671.0	671.4	672.0	673.0	674.6	677.4
47.5°	732.2	721.2	715.8	710.2	707.4	704.4	705.4	705.6	706.0	708.6	715.6
50°	816.0	797.6	783.4	766.4	760.0	754.8	751.8	752.0	752.0	757.4	764.4
52.5°	978.0	943.8	910.0	880.4	855.0	842.8	828.6	825.0	825.2	829.8	834.6
55°	1257.8	1210.8	1175.0	1109.2	1089.2	1033.0	1003.4	986.4	973.2	979.6	986.6
57.5°	1759.8	1716.4	1688.0	1609.4	1537.8	1517.4	1468.8	1429.4	1413.2	1394.4	1395.6
60°	2375.6	2353.2	2346.0	2300.0	2274.2	2194.0	2187.6	2137.8	2090.8	2050.2	2066.8
62.5°	2640.8	2651.2	2659.6	2675.8	2682.0	2674.4	2642.2	2620.2	2581.6	2528.4	2495.8
65°	2573.8	2597.6	2633.4	2667.2	2707.6	2741.2	2757.8	2751.4	2716.6	2661.8	2593.4
67.5°	2362.6	2386.8	2417.6	2460.4	2522.2	2587.6	2633.2	2662.2	2634.6	2585.2	2515.6
70°	2030.0	2053.6	2054.6	2114.4	2181.0	2263.4	2344.2	2374.6	2343.2	2310.2	2252.0
72.5°	1520.4	1506.2	1519.4	1530.4	1568.4	1620.4	1698.8	1695.4	1647.4	1621.8	1532.4
75°	714.6	705.0	691.0	681.8	673.0	654.6	663.4	625.8	612.8	618.0	540.8
77.5°	257.0	243.8	222.6	202.0	176.0	145.8	123.0	108.0	100.6	100.8	96.2
80°	215.6	222.0	219.0	198.6	169.4	137.8	103.2	78.2	66.8	62.0	59.0
82.5°	233.8	266.0	282.0	269.4	227.6	175.2	112.8	68.2	50.0	42.8	41.0
85°	129.6	129.8	125.8	120.2	106.6	73.2	48.8	32.4	26.0	23.2	22.4
87.5°	22.0	21.0	21.0	19.6	17.2	16.8	15.0	14.2	12.6	11.6	11.2
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):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8
2.5°	279.8	279.4	279.2	279.0	279.0	278.8	278.8	278.4	278.0	277.8	277.6
5°	286.2	285.8	285.4	285.0	285.0	284.6	284.2	283.8	283.2	282.2	282.0
7.5°	297.0	296.2	296.2	294.8	294.8	294.0	293.4	293.4	292.6	291.0	290.8
10°	310.4	309.0	308.4	307.6	307.2	306.4	306.4	305.6	305.2	304.6	302.6
12.5°	324.8	323.8	323.4	322.4	321.8	321.8	321.4	320.0	321.0	319.6	318.6
15°	342.2	342.0	340.2	340.8	340.6	340.4	340.6	339.4	339.2	339.2	338.0
17.5°	364.0	362.4	362.6	362.6	363.0	363.0	361.4	362.2	362.4	362.0	361.6
20°	389.6	389.0	389.6	388.4	389.6	389.6	390.4	390.2	390.4	390.8	390.8
22.5°	417.0	418.6	418.8	419.2	417.8	420.2	420.2	420.6	421.6	421.6	422.0
25°	450.2	449.4	448.4	449.8	450.2	451.8	452.2	452.2	453.8	453.8	454.4
27.5°	477.8	478.6	478.4	479.2	478.8	481.0	481.8	484.2	483.6	484.8	486.4
30°	506.2	507.8	507.0	507.2	508.2	509.6	511.2	513.6	514.0	517.2	518.0
32.5°	539.0	540.2	541.2	541.6	541.6	544.0	546.6	547.4	551.6	554.0	556.8
35°	580.6	580.8	581.4	582.0	581.6	584.2	586.8	587.6	592.0	592.6	598.4
37.5°	598.2	598.6	601.0	602.2	603.0	606.2	611.0	614.6	619.4	624.0	630.6
40°	620.2	622.6	624.8	626.6	629.6	634.0	641.4	645.0	652.2	660.8	667.2
42.5°	648.0	652.4	654.0	657.4	664.8	670.2	677.6	685.4	695.0	705.4	713.0
45°	681.0	685.2	691.2	695.0	703.6	712.2	724.0	730.8	740.6	752.6	761.0
47.5°	721.0	726.8	732.8	740.6	750.8	759.8	771.6	780.4	790.2	800.0	809.2
50°	770.8	779.4	787.4	795.6	809.2	816.8	828.4	837.6	846.8	856.6	865.0
52.5°	837.8	850.8	861.0	866.6	885.0	892.6	906.8	913.2	920.8	929.6	940.4
55°	984.0	1004.2	1021.4	1031.4	1059.4	1069.4	1087.8	1097.2	1092.0	1103.2	1122.6
57.5°	1406.8	1431.6	1452.2	1465.8	1494.4	1508.4	1509.4	1544.6	1523.8	1544.4	1547.4
60°	2022.6	2042.2	2037.2	2037.4	2028.4	2015.4	2040.4	2002.4	2018.4	2019.4	1983.6
62.5°	2435.6	2405.6	2391.6	2368.4	2341.4	2320.6	2306.4	2275.8	2251.4	2232.0	2194.2
65°	2532.8	2480.8	2434.8	2391.4	2351.6	2324.0	2294.0	2261.2	2223.0	2190.8	2154.0
67.5°	2438.8	2366.0	2297.8	2240.6	2186.2	2149.8	2106.4	2075.2	2027.2	1984.8	1956.8
70°	2166.2	2065.4	1985.8	1949.2	1895.2	1817.0	1775.6	1736.6	1707.2	1668.8	1651.8
72.5°	1519.6	1395.2	1333.8	1336.2	1281.4	1225.4	1226.8	1203.0	1165.0	1163.8	1158.0
75°	558.4	508.0	472.6	474.2	453.8	432.0	438.0	444.4	432.0	457.2	418.2
77.5°	88.8	86.4	85.6	83.8	79.4	82.6	80.4	84.6	85.2	89.8	90.2
80°	56.6	54.2	53.6	52.6	52.4	52.4	52.0	52.0	52.0	52.2	51.8
82.5°	37.8	36.4	36.2	35.6	36.6	36.8	37.0	38.6	40.0	40.4	42.0
85°	20.6	19.6	19.6	19.2	20.0	20.2	22.0	24.2	27.0	28.2	30.8
87.5°	10.4	11.0	10.8	11.2	11.8	13.2	14.6	16.0	17.6	19.8	21.6
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):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8	277.8
2.5°	277.2	277.0	277.0	276.6	276.6	276.4	276.0	275.6	273.8	271.6	270.2
5°	281.4	281.0	280.8	280.4	279.8	279.8	279.2	278.4	275.0	271.4	269.2
7.5°	290.0	289.8	289.2	288.4	287.6	286.8	286.4	286.0	280.8	277.4	275.8
10°	302.4	302.2	300.8	300.6	299.4	299.6	298.6	297.8	294.4	290.6	288.4
12.5°	318.2	319.0	318.2	316.4	316.8	316.2	315.2	314.2	311.2	308.2	304.8
15°	337.8	336.8	336.0	337.6	336.2	336.0	336.6	336.8	333.2	330.0	325.2
17.5°	362.2	362.2	361.8	362.2	361.4	362.0	361.6	362.0	360.4	356.0	349.0
20°	390.0	391.6	391.6	391.0	390.8	392.0	392.6	390.4	390.8	387.0	374.4
22.5°	422.4	423.6	424.0	423.4	423.6	425.2	426.2	424.6	428.2	422.0	402.6
25°	455.8	457.6	456.8	457.0	458.6	460.4	462.2	460.6	467.6	458.0	432.6
27.5°	488.8	490.4	490.0	491.2	493.8	496.2	498.2	497.6	509.2	496.6	464.2
30°	520.0	523.8	524.6	526.0	529.2	533.2	536.4	536.2	551.2	534.2	490.0
32.5°	558.4	562.6	564.2	567.2	573.4	576.2	580.2	580.6	595.6	567.2	511.8
35°	602.8	607.0	610.4	612.6	619.6	623.0	627.0	628.8	638.8	598.0	527.0
37.5°	637.2	640.8	647.4	652.0	658.2	665.0	669.6	671.8	677.4	624.4	534.0
40°	674.8	682.6	689.0	696.0	702.8	708.2	712.4	715.8	713.6	646.4	531.0
42.5°	722.4	730.6	739.2	745.2	748.8	756.0	758.0	760.4	742.4	656.4	517.4
45°	772.0	778.6	785.8	790.2	795.0	798.6	799.2	799.4	763.8	650.6	492.8
47.5°	819.8	825.4	830.4	832.8	835.2	835.4	834.4	832.8	775.2	631.0	463.2
50°	872.2	875.6	877.8	878.0	880.2	876.0	873.2	865.8	774.0	601.0	432.0
52.5°	947.6	946.8	944.0	943.8	936.8	928.8	923.6	913.0	765.8	568.6	396.0
55°	1120.8	1113.2	1122.0	1099.6	1081.0	1068.6	1039.2	1017.8	774.0	538.4	354.6
57.5°	1537.0	1511.0	1513.8	1477.6	1438.0	1363.8	1320.0	1260.8	838.4	521.6	302.4
60°	1976.0	1933.2	1892.8	1828.6	1744.4	1650.2	1565.4	1472.8	902.4	501.0	246.8
62.5°	2157.2	2102.0	2031.8	1941.2	1833.0	1716.2	1599.0	1493.4	867.2	439.0	177.8
65°	2098.8	2032.8	1958.0	1839.8	1717.0	1581.2	1452.8	1341.2	722.2	321.0	107.4
67.5°	1891.4	1834.6	1742.4	1630.8	1478.8	1342.6	1215.6	1112.4	532.4	198.4	61.6
70°	1592.6	1514.0	1435.2	1328.0	1167.8	1039.4	921.2	830.0	337.8	98.0	45.4
72.5°	1099.2	1037.0	974.0	878.0	758.4	670.0	568.4	493.4	176.8	52.8	41.8
75°	428.2	421.4	414.2	370.6	330.0	264.4	232.2	209.4	73.6	45.8	41.2
77.5°	94.0	99.6	102.8	97.4	92.8	82.8	79.2	70.8	49.2	47.0	40.8
80°	51.8	51.8	51.8	52.4	51.4	51.4	50.8	49.8	46.0	47.0	40.0
82.5°	42.4	43.0	43.8	44.0	43.8	44.0	43.6	43.4	45.0	47.2	38.0
85°	32.4	34.4	35.6	37.2	38.8	39.8	40.2	40.4	41.4	44.8	33.2
87.5°	23.0	24.6	27.2	27.6	29.4	31.6	32.4	33.6	33.0	34.0	15.6
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):**

	145°	155°	165°	175°	180°
0°	277.8	277.8	277.8	277.8	277.8
2.5°	269.0	267.4	266.8	266.6	266.2
5°	267.4	266.4	265.6	265.0	265.4
7.5°	274.6	274.0	272.6	272.2	272.8
10°	287.4	286.0	284.0	284.2	284.0
12.5°	303.4	299.6	296.4	295.0	294.0
15°	319.8	312.4	305.8	302.8	301.6
17.5°	338.0	325.4	315.2	309.8	308.8
20°	357.2	339.8	326.6	320.2	319.2
22.5°	379.4	355.4	338.6	329.8	328.4
25°	401.0	369.4	347.0	336.2	334.4
27.5°	420.6	380.0	352.0	339.2	337.4
30°	437.0	388.4	356.2	341.6	339.6
32.5°	447.8	393.0	357.6	341.8	339.4
35°	451.2	390.0	351.6	333.4	331.4
37.5°	444.0	377.8	335.6	315.0	313.4
40°	427.6	355.2	310.4	289.0	287.0
42.5°	402.0	326.6	281.2	258.6	256.8
45°	373.6	296.0	250.2	227.6	225.8
47.5°	342.6	263.6	217.6	196.8	194.0
50°	308.6	228.4	184.4	164.0	161.4
52.5°	268.8	190.0	149.2	130.8	129.2
55°	222.2	151.4	118.8	105.4	103.8
57.5°	172.8	115.2	94.4	87.8	85.2
60°	125.4	87.6	75.2	72.0	70.6
62.5°	85.2	65.4	60.6	59.6	58.6
65°	57.8	51.2	49.8	50.0	49.4
67.5°	45.6	43.0	42.2	42.6	42.4
70°	40.0	38.0	37.8	38.2	38.0
72.5°	37.8	35.2	35.6	36.2	36.0
75°	36.8	34.0	34.8	35.2	34.2
77.5°	35.8	32.2	34.6	35.4	33.4
80°	34.4	30.6	36.2	35.8	32.0
82.5°	31.4	27.0	35.4	32.4	28.8
85°	25.6	20.2	39.8	28.6	21.0
87.5°	16.4	12.2	27.6	21.8	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)