

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: P146325

Luminaire Tested: **LDRL-T2-F01-E**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146325  
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-F01-E  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2475.4 lumens  
Efficiency: N/A  
Efficacy: 95.6 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

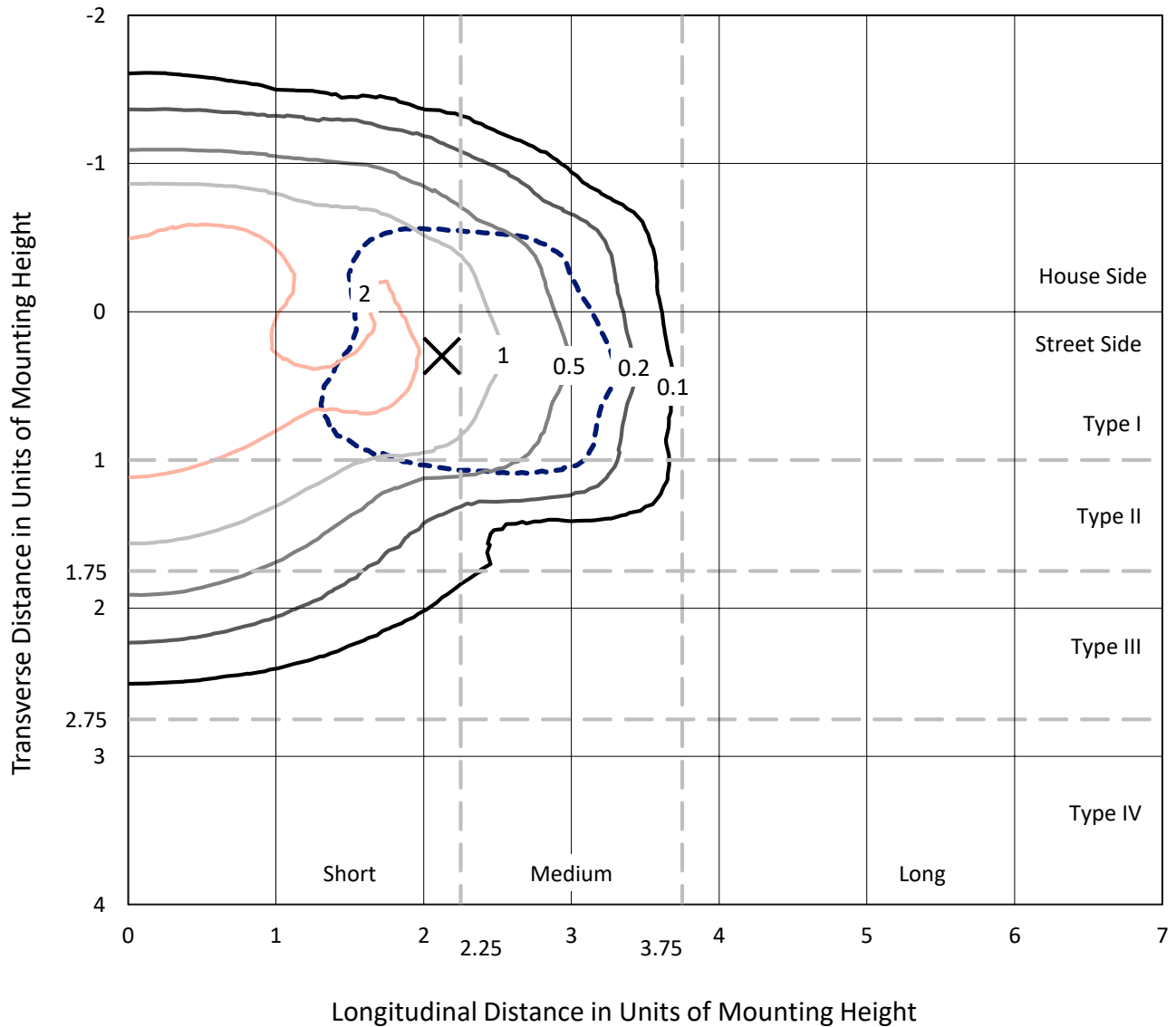
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

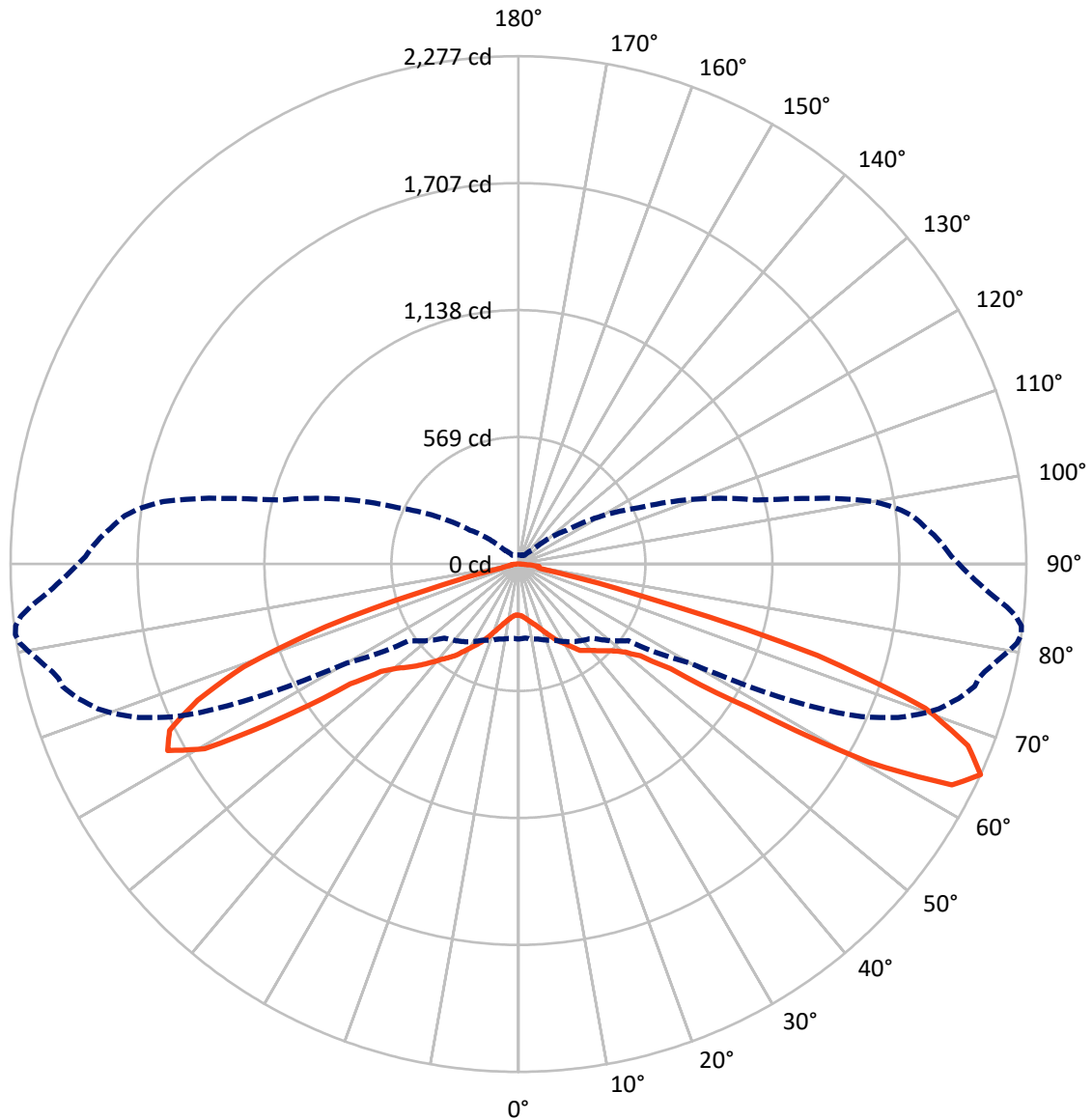
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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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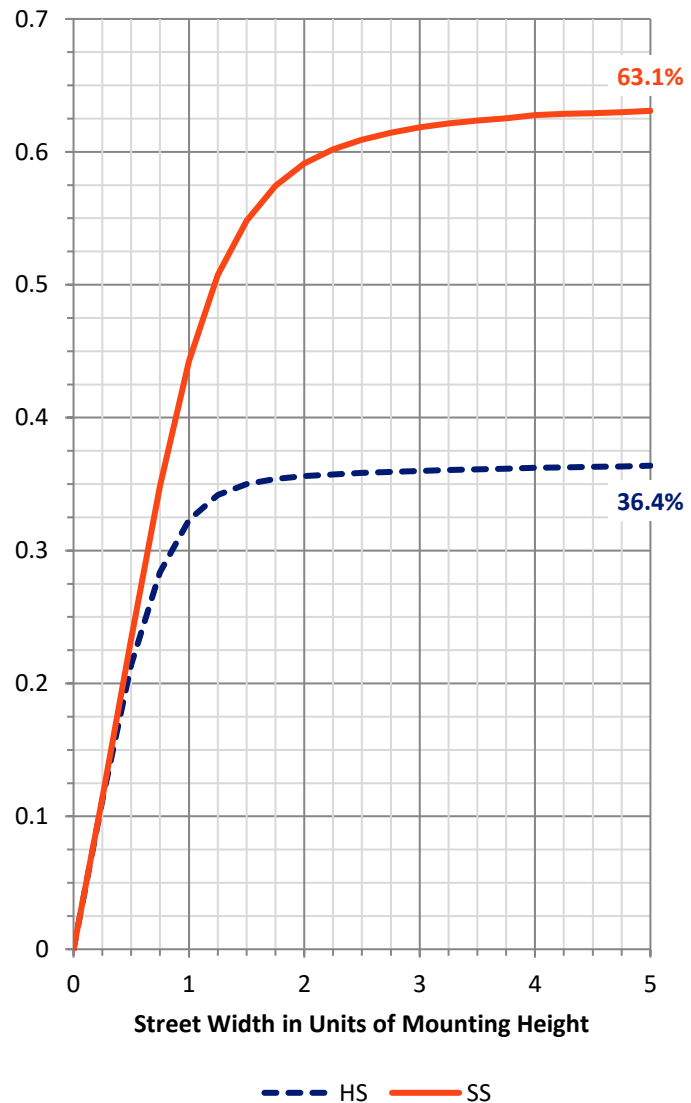
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	911.2	0.0	911.2
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	1564.2	0.0	1564.2
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	2475.4	0.0	2475.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.3	0.9
10°-20°	82.0	3.3
20°-30°	162.6	6.6
30°-40°	277.4	11.2
40°-50°	416.0	16.8
50°-60°	579.1	23.4
60°-70°	665.3	26.9
70°-80°	229.6	9.3
80°-90°	40.2	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°	2475.4	100.0
0°-180°	2475.4	100.0

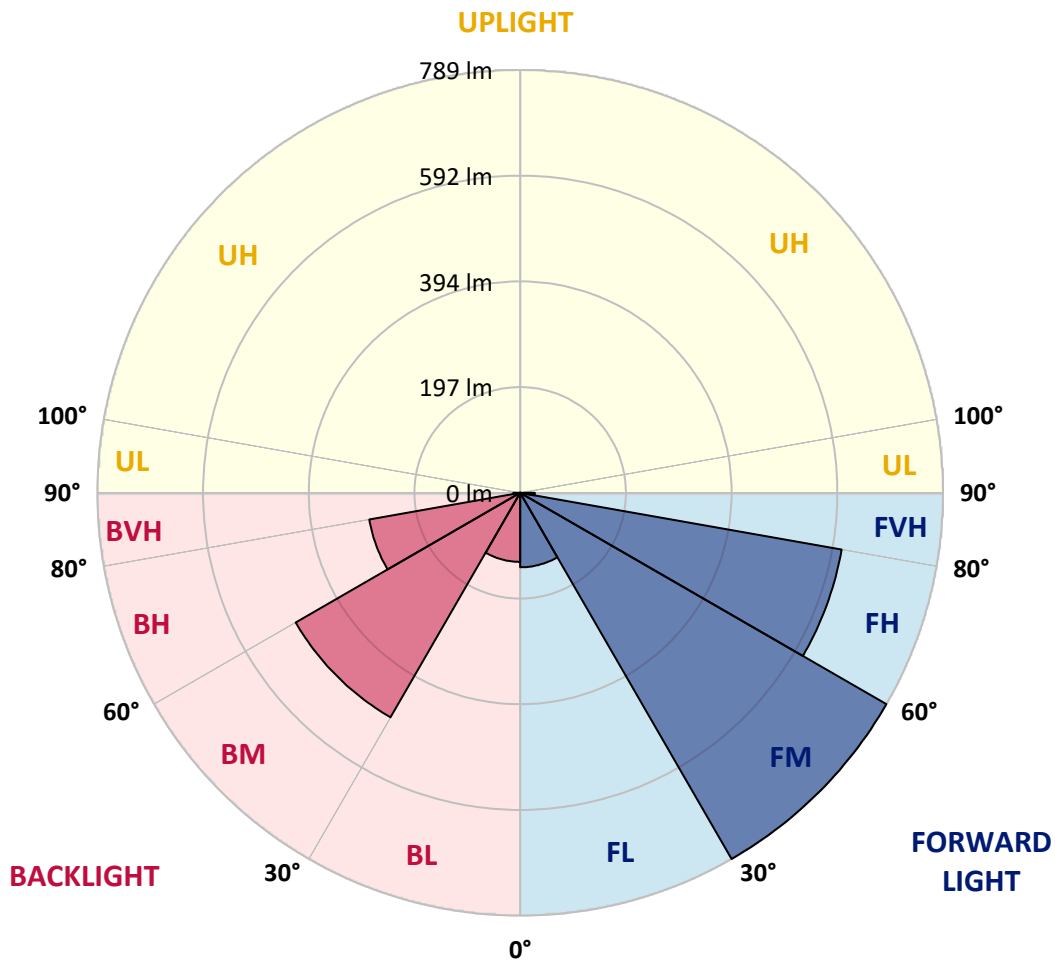


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.9	5.6			
FM	(30°-60°)	788.9	31.9			
FH	(60°-80°)	609.0	24.6			G0/660
FVH	(80°-90°)	27.3	1.1			G1/100
BL	(0°-30°)	128.9	5.2	B1/500		
BM	(30°-60°)	483.6	19.5	B1/1000		
BH	(60°-80°)	285.8	11.5	B1/500		G1/500
BVH	(80°-90°)	12.9	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°	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3
2.5°	242.0	241.9	241.7	241.1	240.7	239.4	238.1	237.3	236.6	236.9	235.9
5°	256.1	256.1	255.4	254.6	253.6	251.8	248.5	246.8	246.5	246.5	245.3
7.5°	270.4	271.4	269.6	269.0	267.3	264.5	260.7	258.6	257.9	257.9	256.9
10°	288.6	288.1	286.1	284.8	281.5	277.7	272.6	270.1	269.1	269.9	268.3
12.5°	307.8	307.6	304.6	302.1	297.5	291.4	284.6	281.3	280.7	280.7	279.7
15°	327.2	327.4	324.1	319.5	312.2	304.0	296.4	293.2	292.4	292.1	290.9
17.5°	342.1	343.7	340.4	334.5	325.6	316.5	308.4	305.3	305.1	304.8	303.5
20°	350.5	350.8	349.0	344.7	336.8	328.1	322.5	321.0	320.8	321.0	321.3
22.5°	350.2	350.7	350.0	348.4	343.3	338.5	337.8	338.6	339.1	338.6	339.8
25°	347.5	348.2	348.2	349.0	347.7	349.4	354.6	357.0	357.1	357.5	359.9
27.5°	353.3	354.0	353.8	355.3	356.5	362.2	371.8	375.9	376.4	377.6	379.9
30°	380.1	380.2	377.3	377.1	378.3	382.9	392.6	397.4	396.9	399.2	400.7
32.5°	422.3	423.7	420.7	417.6	417.1	417.7	419.5	422.8	422.3	423.5	425.5
35°	470.5	470.7	469.1	470.9	471.9	467.4	458.8	458.0	455.4	455.9	456.5
37.5°	514.8	516.0	519.1	530.6	537.3	526.4	509.5	498.9	497.3	496.5	490.7
40°	556.2	562.0	569.6	584.6	593.7	597.7	573.7	552.4	546.7	544.4	535.3
42.5°	604.8	607.8	616.7	633.8	645.9	663.9	647.9	624.4	617.7	607.8	596.4
45°	645.9	647.9	653.5	668.0	693.3	723.3	725.1	708.8	703.5	693.6	676.9
47.5°	673.5	673.3	677.4	691.6	724.5	770.4	797.6	797.0	790.9	787.4	773.2
50°	684.2	684.0	686.7	702.5	738.3	798.4	858.5	879.2	879.0	880.3	873.1
52.5°	686.2	686.0	686.3	699.1	735.5	808.2	902.5	951.2	958.3	967.2	975.3
55°	671.3	673.0	676.6	690.0	725.0	804.2	935.0	1018.7	1035.7	1053.9	1083.3
57.5°	637.0	640.1	652.7	676.6	713.7	794.5	957.6	1102.2	1136.7	1180.7	1260.2
60°	587.8	590.6	607.9	639.6	681.1	752.1	931.4	1137.2	1202.8	1279.1	1442.2
62.5°	500.8	508.7	517.9	540.4	583.8	640.9	813.5	1078.1	1179.7	1291.6	1516.2
65°	336.3	333.0	348.4	376.9	424.7	469.1	599.3	889.3	1017.7	1171.8	1449.6
67.5°	208.2	208.7	219.1	247.0	283.0	317.5	379.9	566.8	680.7	827.2	1161.3
70°	172.0	174.0	182.4	208.4	239.1	278.0	282.0	300.5	351.5	422.3	717.4
72.5°	136.5	137.4	146.0	167.6	211.0	264.5	334.8	228.3	224.4	235.1	363.9
75°	84.7	85.4	89.7	103.5	136.9	206.1	368.7	262.5	246.0	232.1	234.4
77.5°	43.8	45.1	47.4	53.7	71.8	115.1	290.3	332.9	314.0	295.2	258.4
80°	24.8	24.8	26.9	28.4	34.0	46.9	147.6	360.3	393.6	401.7	360.8
82.5°	11.1	12.4	16.7	17.8	19.5	21.5	48.9	216.5	300.3	375.1	463.6
85°	6.6	6.4	10.6	11.6	12.1	10.2	18.3	88.3	140.3	205.4	307.3
87.5°	2.6	2.8	4.5	4.8	5.6	4.1	6.9	19.0	27.9	40.5	57.1
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3
2.5°	235.8	235.8	235.6	235.4	235.3	234.8	234.6	234.3	234.1	233.6	233.5
5°	245.2	244.7	244.5	244.2	244.0	243.4	243.4	242.7	242.2	241.5	241.4
7.5°	256.4	255.7	255.3	254.9	254.8	253.6	253.6	252.6	252.4	251.6	251.3
10°	267.8	267.3	266.6	266.3	266.1	265.5	264.8	264.2	263.7	263.2	262.5
12.5°	279.2	278.2	277.9	277.4	277.0	276.6	276.4	274.9	274.9	274.4	273.7
15°	290.3	290.1	288.9	288.8	288.4	288.6	287.6	287.8	287.3	286.5	286.1
17.5°	303.8	302.6	303.1	302.3	302.5	302.1	301.8	301.6	302.0	301.8	302.1
20°	320.6	320.3	320.8	319.6	320.8	321.0	320.6	321.5	321.1	321.5	320.5
22.5°	340.6	339.5	339.5	340.3	340.8	342.3	341.4	342.1	342.8	343.3	342.6
25°	360.8	360.4	361.1	361.7	362.7	364.1	363.7	363.9	365.2	366.0	366.2
27.5°	381.2	381.2	383.2	383.2	384.5	386.0	386.5	387.2	388.2	389.3	389.3
30°	402.4	402.4	404.2	405.8	406.5	408.3	409.3	410.3	412.1	412.4	413.9
32.5°	426.5	427.0	428.8	429.8	431.3	433.4	433.7	434.9	437.0	437.7	438.8
35°	457.8	456.2	457.8	459.7	460.5	459.8	463.4	464.9	466.4	467.2	468.7
37.5°	490.2	487.4	487.6	487.2	485.2	486.4	486.4	486.1	487.1	486.9	487.6
40°	531.1	526.2	524.7	521.6	517.3	515.0	512.5	512.2	509.7	510.7	508.9
42.5°	587.3	579.8	575.9	566.1	560.9	554.6	548.5	543.2	540.4	537.3	534.9
45°	664.4	655.6	646.1	630.4	621.3	608.7	600.7	588.6	580.5	573.7	569.0
47.5°	761.1	746.4	738.7	724.0	708.1	689.1	671.8	655.0	641.3	626.4	614.7
50°	873.6	855.2	849.1	829.7	820.7	799.4	780.9	760.1	738.7	716.2	694.8
52.5°	973.1	971.0	973.5	960.4	960.1	949.4	928.9	904.6	884.6	862.0	833.8
55°	1092.5	1113.8	1118.4	1116.6	1126.3	1126.0	1124.0	1121.6	1105.7	1073.7	1063.9
57.5°	1303.2	1327.1	1362.4	1378.5	1413.8	1417.9	1450.6	1437.9	1462.2	1455.6	1460.0
60°	1517.6	1591.1	1658.1	1709.2	1758.7	1803.8	1858.9	1882.5	1900.2	1927.8	1956.8
62.5°	1613.6	1706.2	1786.1	1858.8	1920.3	1977.5	2024.8	2069.8	2105.1	2136.8	2161.2
65°	1574.8	1682.3	1760.2	1836.0	1893.4	1946.6	1993.6	2027.3	2062.5	2091.2	2117.1
67.5°	1311.1	1454.2	1555.9	1642.0	1714.1	1774.7	1823.6	1870.0	1894.9	1926.3	1940.3
70°	868.5	1052.0	1195.9	1312.1	1426.5	1495.2	1553.1	1607.1	1635.5	1661.0	1676.6
72.5°	477.0	602.5	756.0	894.2	1004.2	1094.3	1161.8	1213.0	1242.2	1264.0	1241.4
75°	270.3	332.2	407.3	483.8	567.1	630.7	648.5	670.3	675.4	664.2	635.2
77.5°	248.5	248.5	248.6	246.8	250.5	254.9	252.3	247.8	227.7	223.2	216.9
80°	323.1	287.9	250.3	205.6	167.6	141.3	133.2	133.9	140.3	152.9	166.8
82.5°	458.0	423.3	369.0	300.8	239.4	187.9	154.0	138.5	138.4	150.9	168.9
85°	334.0	336.8	324.8	287.3	229.2	180.5	145.8	111.9	101.0	101.0	99.7
87.5°	58.4	60.3	52.0	46.6	32.5	22.9	20.6	18.2	18.0	18.7	17.2
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3
2.5°	233.5	233.1	232.8	232.6	232.6	232.3	232.3	232.0	232.1	232.0	231.5
5°	241.1	240.9	240.4	239.6	239.4	238.7	238.9	238.2	238.2	237.9	237.1
7.5°	250.6	250.3	250.0	249.3	248.6	248.6	247.5	247.5	246.7	246.3	245.7
10°	262.0	261.0	260.5	259.9	259.7	259.5	258.4	258.4	257.4	257.2	256.7
12.5°	273.2	272.6	272.1	271.8	270.9	270.8	270.3	269.8	269.3	269.0	268.8
15°	285.5	285.1	284.6	284.6	284.6	283.8	283.3	283.0	283.0	282.5	282.8
17.5°	301.3	301.8	301.2	300.8	300.3	301.2	300.3	300.3	300.8	300.8	299.7
20°	321.0	321.6	321.0	321.1	320.8	321.0	321.1	321.5	322.1	321.0	321.1
22.5°	342.8	342.9	343.4	342.9	343.7	343.3	344.2	345.1	344.9	344.6	344.7
25°	366.5	366.0	366.2	367.7	368.8	368.5	368.7	370.0	369.7	369.3	369.5
27.5°	390.6	390.3	390.8	392.1	393.4	393.3	392.9	393.9	393.9	393.1	393.4
30°	414.6	415.1	415.9	415.9	416.6	417.2	416.7	417.9	418.0	417.4	418.2
32.5°	439.8	440.8	440.5	442.8	442.8	443.0	443.5	443.3	445.0	443.6	444.1
35°	470.2	470.5	472.5	474.2	475.2	476.0	476.0	476.5	477.3	476.7	477.6
37.5°	488.7	489.4	490.0	491.0	491.0	491.0	491.8	492.0	492.5	492.3	492.7
40°	509.0	509.2	509.3	509.5	510.2	510.5	509.7	510.8	510.0	510.3	510.8
42.5°	533.6	531.3	531.6	531.1	532.3	530.8	531.1	532.5	531.8	532.8	532.8
45°	562.2	559.5	557.2	555.9	555.9	553.9	554.3	554.8	555.6	556.9	559.2
47.5°	604.4	595.4	590.9	586.3	584.0	581.5	582.3	582.5	582.8	585.0	590.7
50°	673.6	658.4	646.7	632.7	627.4	623.1	620.6	620.8	620.8	625.3	631.0
52.5°	807.4	779.1	751.2	726.8	705.8	695.8	684.0	681.1	681.2	685.0	689.0
55°	1038.3	999.5	970.0	915.7	899.2	852.8	828.3	814.3	803.4	808.7	814.5
57.5°	1452.8	1416.9	1393.5	1328.6	1269.5	1252.7	1212.5	1180.0	1166.6	1151.1	1152.1
60°	1961.1	1942.6	1936.7	1898.7	1877.4	1811.2	1805.9	1764.8	1726.0	1692.5	1706.2
62.5°	2180.0	2188.6	2195.6	2208.9	2214.1	2207.8	2181.2	2163.0	2131.2	2087.3	2060.3
65°	2124.7	2144.4	2173.9	2201.8	2235.2	2262.9	2276.6	2271.3	2242.6	2197.4	2140.9
67.5°	1950.4	1970.4	1995.8	2031.1	2082.1	2136.1	2173.8	2197.7	2174.9	2134.1	2076.7
70°	1675.8	1695.3	1696.1	1745.5	1800.5	1868.5	1935.2	1960.3	1934.4	1907.1	1859.1
72.5°	1255.1	1243.4	1254.3	1263.4	1294.8	1337.7	1402.4	1399.6	1360.0	1338.8	1265.0
75°	589.9	582.0	570.4	562.8	555.6	540.4	547.7	516.6	505.9	510.2	446.4
77.5°	212.2	201.3	183.8	166.8	145.3	120.4	101.5	89.2	83.0	83.2	79.4
80°	178.0	183.3	180.8	163.9	139.8	113.8	85.2	64.6	55.1	51.2	48.7
82.5°	193.0	219.6	232.8	222.4	187.9	144.6	93.1	56.3	41.3	35.3	33.8
85°	107.0	107.2	103.9	99.2	88.0	60.4	40.3	26.7	21.5	19.2	18.5
87.5°	18.2	17.3	17.3	16.2	14.2	13.9	12.4	11.7	10.4	9.6	9.2
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°	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3
2.5°	231.0	230.7	230.5	230.3	230.3	230.2	230.2	229.8	229.5	229.3	229.2
5°	236.3	235.9	235.6	235.3	235.3	234.9	234.6	234.3	233.8	233.0	232.8
7.5°	245.2	244.5	244.5	243.4	243.4	242.7	242.2	242.2	241.5	240.2	240.1
10°	256.2	255.1	254.6	253.9	253.6	252.9	252.9	252.3	252.0	251.5	249.8
12.5°	268.1	267.3	267.0	266.1	265.7	265.7	265.3	264.2	265.0	263.8	263.0
15°	282.5	282.3	280.8	281.3	281.2	281.0	281.2	280.2	280.0	280.0	279.0
17.5°	300.5	299.2	299.3	299.3	299.7	299.7	298.3	299.0	299.2	298.8	298.5
20°	321.6	321.1	321.6	320.6	321.6	321.6	322.3	322.1	322.3	322.6	322.6
22.5°	344.2	345.6	345.7	346.1	344.9	346.9	346.9	347.2	348.0	348.0	348.4
25°	371.7	371.0	370.2	371.3	371.7	373.0	373.3	373.3	374.6	374.6	375.1
27.5°	394.4	395.1	394.9	395.6	395.3	397.1	397.7	399.7	399.2	400.2	401.5
30°	417.9	419.2	418.5	418.7	419.5	420.7	422.0	424.0	424.3	427.0	427.6
32.5°	445.0	445.9	446.8	447.1	447.1	449.1	451.2	451.9	455.4	457.3	459.7
35°	479.3	479.5	480.0	480.5	480.1	482.3	484.4	485.1	488.7	489.2	494.0
37.5°	493.8	494.2	496.1	497.1	497.8	500.4	504.4	507.4	511.3	515.1	520.6
40°	512.0	514.0	515.8	517.3	519.8	523.4	529.5	532.5	538.4	545.5	550.8
42.5°	534.9	538.6	539.9	542.7	548.8	553.3	559.4	565.8	573.7	582.3	588.6
45°	562.2	565.6	570.6	573.7	580.8	587.9	597.7	603.3	611.4	621.3	628.2
47.5°	595.2	600.0	604.9	611.4	619.8	627.2	637.0	644.2	652.3	660.4	668.0
50°	636.3	643.4	650.0	656.8	668.0	674.3	683.9	691.5	699.1	707.1	714.1
52.5°	691.6	702.4	710.8	715.4	730.6	736.9	748.6	753.9	760.1	767.4	776.3
55°	812.3	829.0	843.2	851.4	874.6	882.8	898.0	905.8	901.5	910.7	926.7
57.5°	1161.3	1181.8	1198.8	1210.1	1233.7	1245.2	1246.0	1275.1	1257.9	1274.9	1277.4
60°	1669.7	1685.9	1681.8	1681.9	1674.5	1663.8	1684.4	1653.0	1666.2	1667.1	1637.5
62.5°	2010.6	1985.9	1974.3	1955.2	1932.9	1915.7	1904.0	1878.7	1858.6	1842.6	1811.4
65°	2090.9	2048.0	2010.0	1974.2	1941.3	1918.5	1893.8	1866.7	1835.1	1808.6	1778.2
67.5°	2013.3	1953.2	1896.9	1849.7	1804.8	1774.7	1738.9	1713.1	1673.5	1638.5	1615.4
70°	1788.3	1705.0	1639.3	1609.1	1564.5	1500.0	1465.8	1433.6	1409.3	1377.6	1363.6
72.5°	1254.5	1151.8	1101.1	1103.1	1057.8	1011.6	1012.8	993.1	961.7	960.7	956.0
75°	461.0	419.4	390.1	391.5	374.6	356.6	361.6	366.9	356.6	377.4	345.2
77.5°	73.3	71.3	70.7	69.2	65.5	68.2	66.4	69.8	70.3	74.1	74.5
80°	46.7	44.7	44.2	43.4	43.3	43.3	42.9	42.9	42.9	43.1	42.8
82.5°	31.2	30.0	29.9	29.4	30.2	30.4	30.5	31.9	33.0	33.4	34.7
85°	17.0	16.2	16.2	15.9	16.5	16.7	18.2	20.0	22.3	23.3	25.4
87.5°	8.6	9.1	8.9	9.2	9.7	10.9	12.1	13.2	14.5	16.3	17.8
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):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3	229.3
2.5°	228.8	228.7	228.7	228.3	228.3	228.2	227.8	227.5	226.0	224.2	223.1
5°	232.3	232.0	231.8	231.5	231.0	231.0	230.5	229.8	227.0	224.0	222.2
7.5°	239.4	239.2	238.7	238.1	237.4	236.8	236.4	236.1	231.8	229.0	227.7
10°	249.6	249.5	248.3	248.2	247.2	247.3	246.5	245.8	243.0	239.9	238.1
12.5°	262.7	263.3	262.7	261.2	261.5	261.0	260.2	259.4	256.9	254.4	251.6
15°	278.9	278.0	277.4	278.7	277.5	277.4	277.9	278.0	275.1	272.4	268.5
17.5°	299.0	299.0	298.7	299.0	298.3	298.8	298.5	298.8	297.5	293.9	288.1
20°	322.0	323.3	323.3	322.8	322.6	323.6	324.1	322.3	322.6	319.5	309.1
22.5°	348.7	349.7	350.0	349.5	349.7	351.0	351.8	350.5	353.5	348.4	332.4
25°	376.3	377.8	377.1	377.3	378.6	380.1	381.6	380.2	386.0	378.1	357.1
27.5°	403.5	404.8	404.5	405.5	407.6	409.6	411.3	410.8	420.4	410.0	383.2
30°	429.3	432.4	433.1	434.2	436.9	440.2	442.8	442.6	455.0	441.0	404.5
32.5°	461.0	464.4	465.8	468.2	473.4	475.7	479.0	479.3	491.7	468.2	422.5
35°	497.6	501.1	503.9	505.7	511.5	514.3	517.6	519.1	527.3	493.7	435.1
37.5°	526.0	529.0	534.4	538.2	543.4	549.0	552.8	554.6	559.2	515.5	440.8
40°	557.1	563.5	568.8	574.6	580.2	584.6	588.1	590.9	589.1	533.6	438.4
42.5°	596.4	603.1	610.2	615.2	618.2	624.1	625.7	627.7	612.9	541.9	427.1
45°	637.3	642.8	648.7	652.3	656.3	659.3	659.8	659.9	630.5	537.1	406.8
47.5°	676.8	681.4	685.5	687.5	689.5	689.6	688.8	687.5	639.9	520.9	382.4
50°	720.0	722.8	724.6	724.8	726.6	723.2	720.8	714.7	639.0	496.1	356.6
52.5°	782.3	781.6	779.3	779.1	773.4	766.7	762.5	753.7	632.2	469.4	326.9
55°	925.2	919.0	926.2	907.7	892.4	882.2	857.9	840.2	639.0	444.5	292.7
57.5°	1268.8	1247.4	1249.7	1219.8	1187.1	1125.9	1089.7	1040.8	692.1	430.6	249.6
60°	1631.2	1595.9	1562.6	1509.6	1440.0	1362.3	1292.3	1215.8	745.0	413.6	203.7
62.5°	1780.8	1735.3	1677.3	1602.5	1513.2	1416.8	1320.0	1232.8	715.9	362.4	146.8
65°	1732.6	1678.1	1616.4	1518.8	1417.4	1305.3	1199.3	1107.2	596.2	265.0	88.7
67.5°	1561.4	1514.5	1438.4	1346.3	1220.8	1108.3	1003.5	918.3	439.5	163.8	50.9
70°	1314.7	1249.8	1184.8	1096.3	964.0	858.1	760.5	685.2	278.9	80.9	37.5
72.5°	907.4	856.1	804.1	724.8	626.1	553.1	469.2	407.3	146.0	43.6	34.5
75°	353.5	347.9	341.9	305.9	272.4	218.3	191.7	172.9	60.8	37.8	34.0
77.5°	77.6	82.2	84.9	80.4	76.6	68.4	65.4	58.4	40.6	38.8	33.7
80°	42.8	42.8	42.8	43.3	42.4	42.4	41.9	41.1	38.0	38.8	33.0
82.5°	35.0	35.5	36.2	36.3	36.2	36.3	36.0	35.8	37.1	39.0	31.4
85°	26.7	28.4	29.4	30.7	32.0	32.9	33.2	33.4	34.2	37.0	27.4
87.5°	19.0	20.3	22.5	22.8	24.3	26.1	26.7	27.7	27.2	28.1	12.9
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):**

	145°	155°	165°	175°	180°
0°	229.3	229.3	229.3	229.3	229.3
2.5°	222.1	220.7	220.3	220.1	219.8
5°	220.7	219.9	219.3	218.8	219.1
7.5°	226.7	226.2	225.0	224.7	225.2
10°	237.3	236.1	234.4	234.6	234.4
12.5°	250.5	247.3	244.7	243.5	242.7
15°	264.0	257.9	252.4	250.0	249.0
17.5°	279.0	268.6	260.2	255.7	254.9
20°	294.9	280.5	269.6	264.3	263.5
22.5°	313.2	293.4	279.5	272.3	271.1
25°	331.0	304.9	286.5	277.5	276.1
27.5°	347.2	313.7	290.6	280.0	278.5
30°	360.8	320.6	294.1	282.0	280.3
32.5°	369.7	324.4	295.2	282.2	280.2
35°	372.5	322.0	290.3	275.2	273.6
37.5°	366.5	311.9	277.0	260.0	258.7
40°	353.0	293.2	256.2	238.6	236.9
42.5°	331.9	269.6	232.1	213.5	212.0
45°	308.4	244.4	206.5	187.9	186.4
47.5°	282.8	217.6	179.6	162.5	160.2
50°	254.8	188.5	152.2	135.4	133.2
52.5°	221.9	156.8	123.2	108.0	106.7
55°	183.4	125.0	98.1	87.0	85.7
57.5°	142.7	95.1	77.9	72.5	70.3
60°	103.5	72.3	62.1	59.4	58.3
62.5°	70.3	54.0	50.0	49.2	48.4
65°	47.7	42.3	41.1	41.3	40.8
67.5°	37.6	35.5	34.8	35.2	35.0
70°	33.0	31.4	31.2	31.5	31.4
72.5°	31.2	29.1	29.4	29.9	29.7
75°	30.4	28.1	28.7	29.1	28.2
77.5°	29.6	26.6	28.6	29.2	27.6
80°	28.4	25.3	29.9	29.6	26.4
82.5°	25.9	22.3	29.2	26.7	23.8
85°	21.1	16.7	32.9	23.6	17.3
87.5°	13.5	10.1	22.8	18.0	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)