

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: P146323

Luminaire Tested: **LDRL-T2-F01-E-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146323  
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-8030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2089.2 lumens  
Efficiency: N/A  
Efficacy: 80.7 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

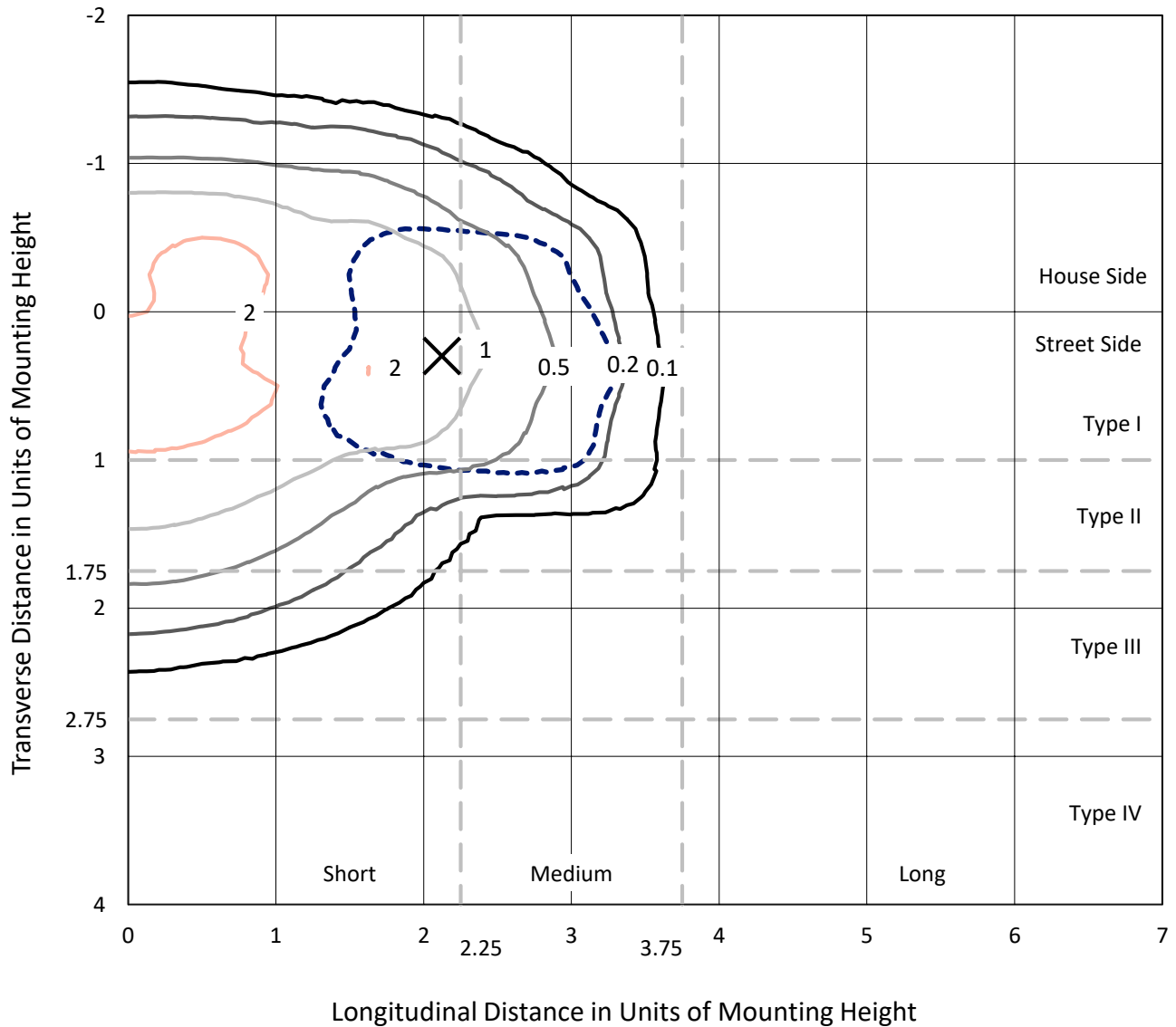
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

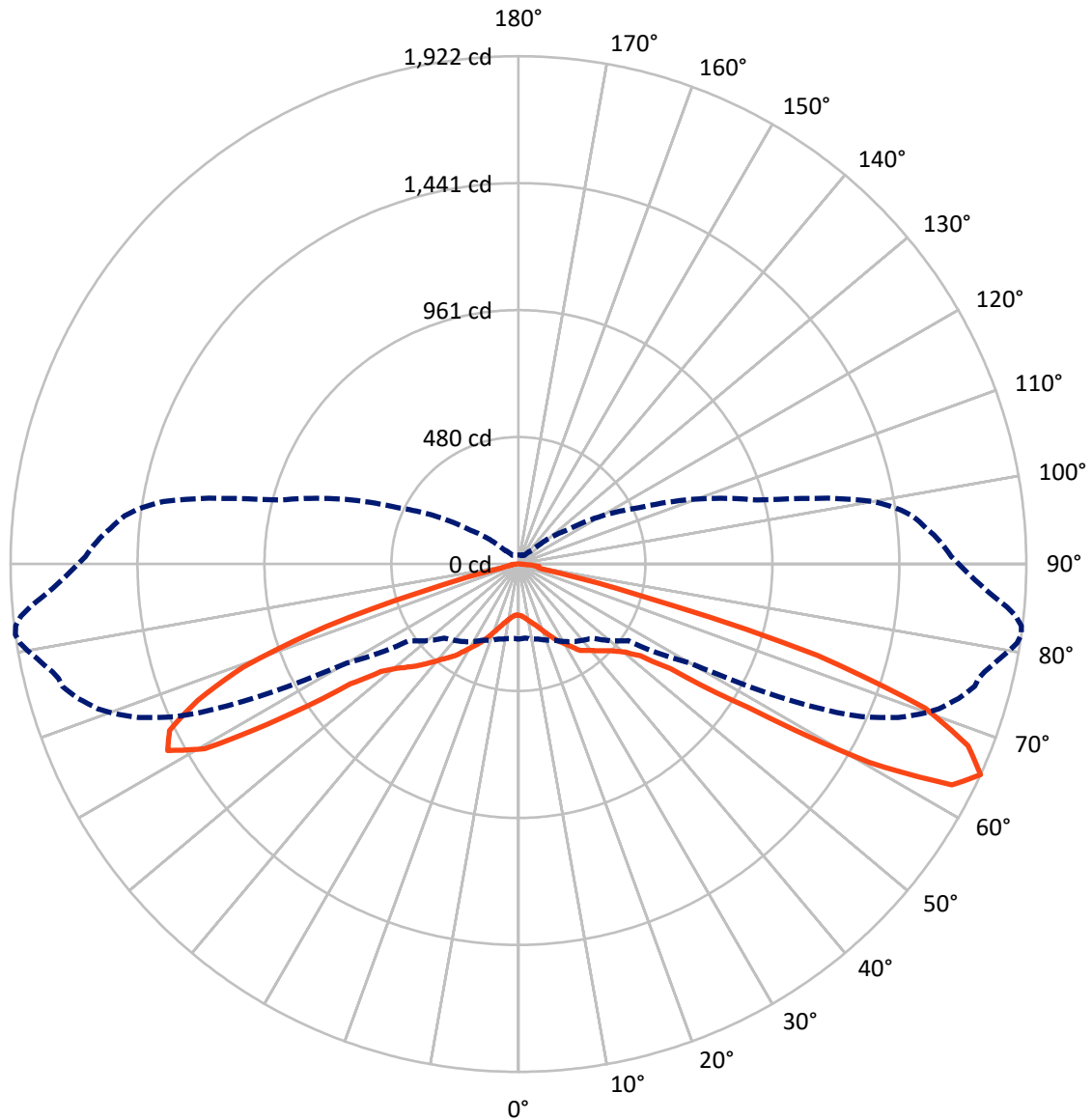
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 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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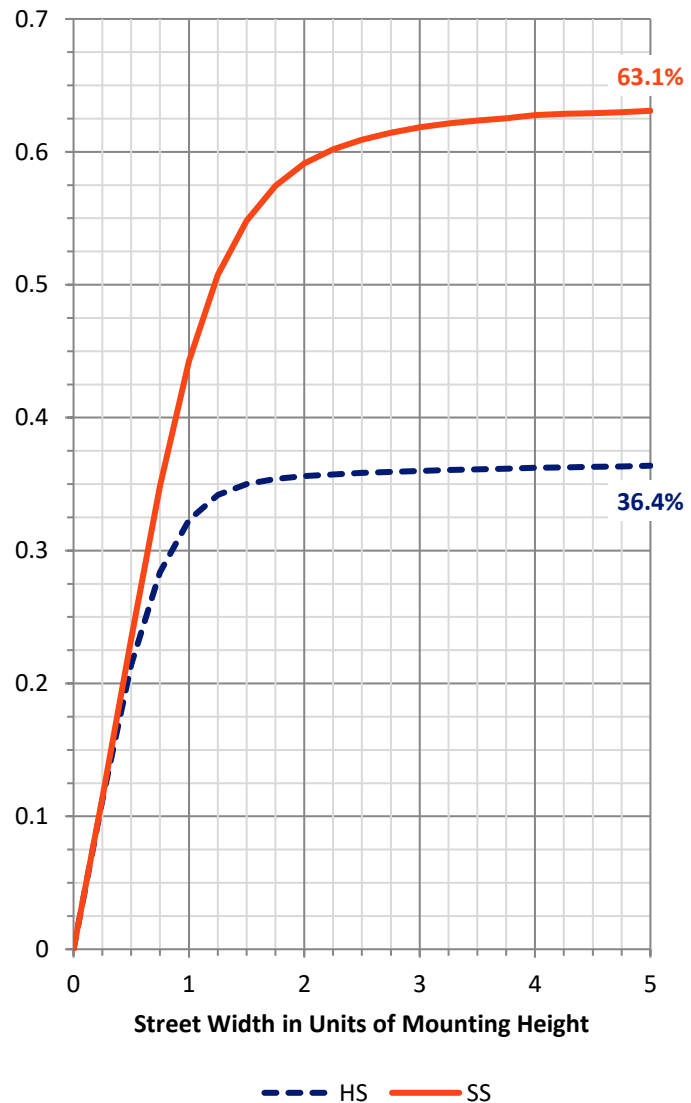
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	769.1	0.0	769.1
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	1320.2	0.0	1320.2
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	2089.2	0.0	2089.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.6	0.9
10°-20°	69.2	3.3
20°-30°	137.2	6.6
30°-40°	234.2	11.2
40°-50°	351.1	16.8
50°-60°	488.7	23.4
60°-70°	561.5	26.9
70°-80°	193.8	9.3
80°-90°	33.9	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°	2089.2	100.0
0°-180°	2089.2	100.0



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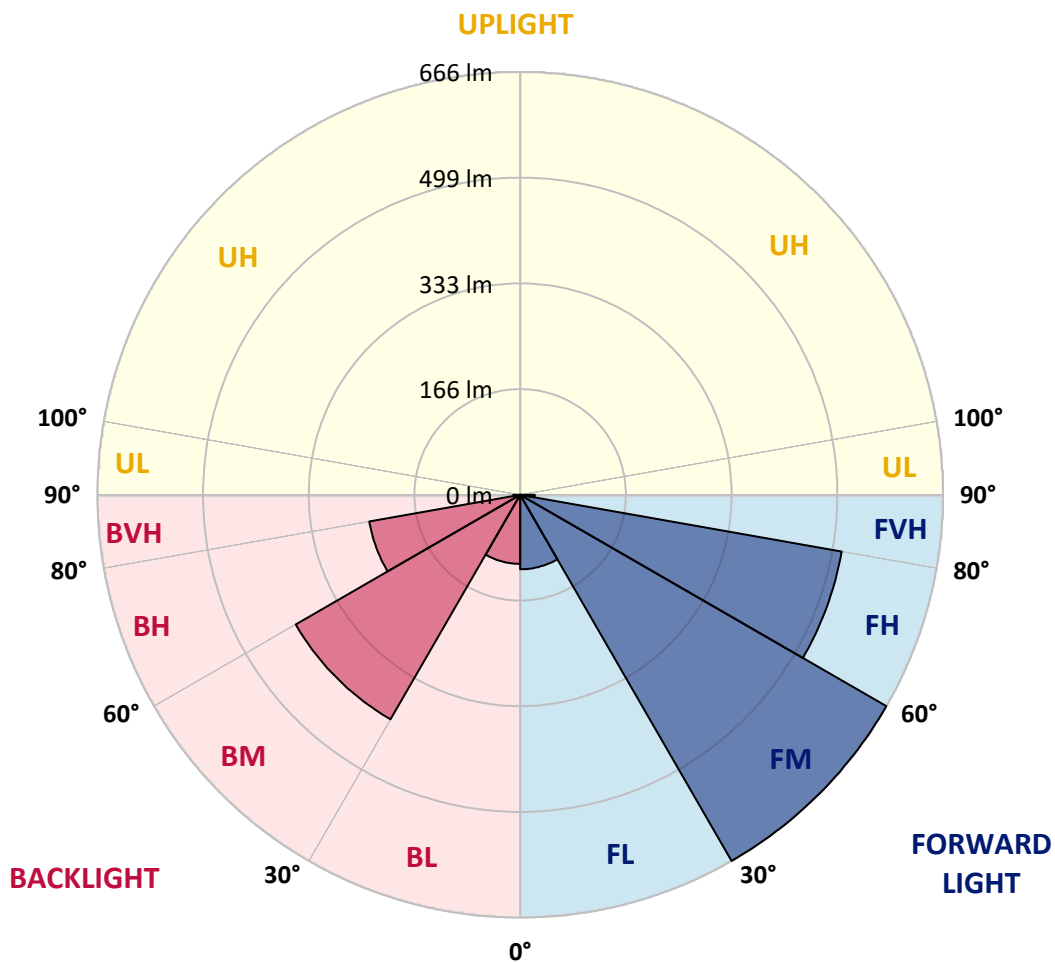
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.3	5.6			
FM	(30°-60°)	665.9	31.9			
FH	(60°-80°)	514.0	24.6			G0/660
FVH	(80°-90°)	23.0	1.1			G1/100
BL	(0°-30°)	108.8	5.2	B0/110		
BM	(30°-60°)	408.2	19.5	B1/1000		
BH	(60°-80°)	241.2	11.5	B1/500		G1/500
BVH	(80°-90°)	10.9	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°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	204.3	204.1	204.0	203.4	203.2	202.1	200.9	200.2	199.7	200.0	199.1
5°	216.1	216.1	215.6	214.9	214.0	212.5	209.7	208.3	208.0	208.0	207.1
7.5°	228.3	229.1	227.6	227.0	225.6	223.2	220.0	218.2	217.7	217.7	216.8
10°	243.6	243.2	241.5	240.4	237.6	234.4	230.1	228.0	227.1	227.8	226.4
12.5°	259.7	259.6	257.1	255.0	251.1	245.9	240.2	237.4	236.9	236.9	236.1
15°	276.2	276.3	273.5	269.6	263.5	256.5	250.1	247.5	246.8	246.5	245.5
17.5°	288.7	290.1	287.3	282.3	274.8	267.1	260.3	257.7	257.5	257.2	256.1
20°	295.8	296.1	294.6	291.0	284.3	276.9	272.1	270.9	270.8	270.9	271.2
22.5°	295.6	296.0	295.4	294.0	289.7	285.7	285.1	285.8	286.2	285.8	286.8
25°	293.3	293.9	293.9	294.6	293.5	294.9	299.3	301.3	301.4	301.7	303.8
27.5°	298.2	298.8	298.6	299.9	300.9	305.7	313.8	317.3	317.7	318.7	320.6
30°	320.8	320.9	318.4	318.3	319.2	323.1	331.4	335.4	335.0	336.9	338.2
32.5°	356.4	357.6	355.1	352.4	352.0	352.5	354.1	356.9	356.4	357.4	359.1
35°	397.1	397.3	395.9	397.4	398.3	394.5	387.2	386.5	384.3	384.7	385.3
37.5°	434.5	435.5	438.1	447.9	453.4	444.2	430.0	421.1	419.7	419.0	414.1
40°	469.5	474.3	480.7	493.4	501.1	504.4	484.2	466.3	461.4	459.4	451.8
42.5°	510.4	512.9	520.5	535.0	545.1	560.3	546.8	527.0	521.3	512.9	503.3
45°	545.1	546.8	551.5	563.8	585.1	610.5	612.0	598.2	593.8	585.4	571.3
47.5°	568.4	568.3	571.7	583.7	611.5	650.2	673.2	672.6	667.5	664.5	652.6
50°	577.5	577.3	579.5	592.9	623.2	673.9	724.6	742.0	741.9	743.0	736.9
52.5°	579.1	579.0	579.3	590.0	620.8	682.1	761.7	802.8	808.8	816.3	823.1
55°	566.6	568.0	571.0	582.3	611.9	678.8	789.1	859.8	874.1	889.5	914.3
57.5°	537.6	540.2	550.8	571.0	602.4	670.5	808.2	930.3	959.4	996.5	1063.6
60°	496.1	498.4	513.1	539.8	574.8	634.7	786.1	959.8	1015.1	1079.5	1217.2
62.5°	422.6	429.3	437.1	456.1	492.7	540.9	686.6	909.9	995.6	1090.1	1279.6
65°	283.9	281.1	294.0	318.1	358.4	395.9	505.8	750.5	858.9	988.9	1223.5
67.5°	175.7	176.1	184.9	208.5	238.8	268.0	320.6	478.4	574.5	698.1	980.2
70°	145.2	146.9	154.0	175.9	201.8	234.7	238.0	253.6	296.7	356.4	605.5
72.5°	115.2	115.9	123.2	141.4	178.1	223.2	282.6	192.7	189.4	198.4	307.1
75°	71.5	72.0	75.7	87.4	115.5	173.9	311.2	221.6	207.6	195.9	197.9
77.5°	36.9	38.0	40.0	45.3	60.6	97.1	245.0	280.9	265.0	249.2	218.1
80°	20.9	20.9	22.7	24.0	28.7	39.6	124.6	304.1	332.2	339.0	304.5
82.5°	9.3	10.5	14.1	15.0	16.4	18.1	41.2	182.7	253.5	316.6	391.3
85°	5.6	5.4	8.9	9.8	10.2	8.6	15.5	74.6	118.4	173.3	259.3
87.5°	2.2	2.4	3.8	4.0	4.7	3.5	5.9	16.0	23.5	34.1	48.2
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°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	199.0	199.0	198.8	198.7	198.6	198.2	198.0	197.7	197.6	197.2	197.0
5°	206.9	206.5	206.4	206.1	206.0	205.4	205.4	204.8	204.4	203.9	203.7
7.5°	216.4	215.8	215.4	215.2	215.0	214.0	214.0	213.2	213.1	212.4	212.1
10°	226.0	225.6	225.0	224.8	224.6	224.1	223.5	223.0	222.5	222.1	221.6
12.5°	235.6	234.8	234.5	234.1	233.8	233.4	233.3	232.0	232.0	231.6	231.0
15°	245.0	244.8	243.9	243.7	243.4	243.6	242.7	242.9	242.5	241.8	241.5
17.5°	256.4	255.4	255.8	255.1	255.3	255.0	254.7	254.6	254.9	254.7	255.0
20°	270.6	270.3	270.8	269.8	270.8	270.9	270.6	271.3	271.0	271.3	270.5
22.5°	287.5	286.5	286.5	287.2	287.6	288.9	288.2	288.7	289.3	289.7	289.1
25°	304.5	304.2	304.8	305.3	306.1	307.3	307.0	307.1	308.2	308.9	309.1
27.5°	321.8	321.8	323.4	323.4	324.5	325.8	326.2	326.8	327.6	328.6	328.6
30°	339.6	339.6	341.1	342.5	343.1	344.6	345.4	346.3	347.8	348.1	349.3
32.5°	359.9	360.4	361.9	362.7	364.0	365.8	366.1	367.0	368.9	369.4	370.4
35°	386.4	385.0	386.4	387.9	388.6	388.1	391.1	392.4	393.7	394.4	395.6
37.5°	413.7	411.4	411.5	411.2	409.5	410.5	410.5	410.2	411.1	410.9	411.5
40°	448.3	444.1	442.8	440.2	436.6	434.6	432.5	432.3	430.2	431.0	429.5
42.5°	495.7	489.4	486.0	477.8	473.4	468.1	462.9	458.5	456.1	453.4	451.5
45°	560.7	553.3	545.3	532.0	524.4	513.8	506.9	496.8	489.9	484.2	480.2
47.5°	642.4	630.0	623.4	611.0	597.7	581.6	567.0	552.8	541.2	528.7	518.8
50°	737.3	721.8	716.7	700.2	692.7	674.7	659.1	641.6	623.4	604.5	586.4
52.5°	821.3	819.5	821.6	810.6	810.3	801.2	784.0	763.5	746.6	727.5	703.7
55°	922.1	940.0	943.9	942.4	950.6	950.3	948.7	946.6	933.2	906.2	898.0
57.5°	1099.9	1120.1	1149.9	1163.4	1193.2	1196.7	1224.3	1213.6	1234.1	1228.5	1232.2
60°	1280.9	1342.9	1399.5	1442.5	1484.3	1522.4	1568.9	1588.8	1603.7	1627.0	1651.5
62.5°	1361.8	1440.0	1507.5	1568.8	1620.7	1669.0	1709.0	1746.9	1776.7	1803.4	1824.1
65°	1329.1	1419.8	1485.6	1549.5	1598.0	1642.9	1682.6	1711.0	1740.7	1765.0	1786.8
67.5°	1106.6	1227.4	1313.2	1385.8	1446.7	1497.8	1539.1	1578.2	1599.3	1625.8	1637.6
70°	733.0	887.9	1009.3	1107.4	1204.0	1261.9	1310.8	1356.4	1380.4	1401.8	1415.1
72.5°	402.6	508.5	638.1	754.7	847.5	923.6	980.6	1023.8	1048.4	1066.8	1047.8
75°	228.1	280.4	343.8	408.3	478.7	532.3	547.4	565.7	570.1	560.6	536.1
77.5°	209.7	209.7	209.9	208.3	211.4	215.2	212.9	209.2	192.2	188.4	183.1
80°	272.7	243.0	211.3	173.5	141.4	119.3	112.5	113.0	118.4	129.0	140.7
82.5°	386.5	357.3	311.4	253.9	202.1	158.6	130.0	116.9	116.8	127.4	142.6
85°	281.9	284.3	274.1	242.5	193.4	152.3	123.0	94.5	85.3	85.3	84.2
87.5°	49.3	50.9	43.9	39.3	27.5	19.4	17.4	15.3	15.2	15.7	14.5
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	197.0	196.8	196.5	196.3	196.3	196.1	196.1	195.8	195.9	195.8	195.4
5°	203.4	203.3	202.9	202.2	202.1	201.5	201.6	201.1	201.1	200.8	200.1
7.5°	211.5	211.3	211.0	210.4	209.9	209.9	208.9	208.9	208.2	207.9	207.3
10°	221.1	220.3	219.9	219.3	219.2	219.1	218.1	218.1	217.2	217.1	216.7
12.5°	230.6	230.1	229.6	229.4	228.7	228.5	228.1	227.7	227.3	227.0	226.9
15°	240.9	240.7	240.2	240.2	240.2	239.5	239.1	238.8	238.8	238.4	238.7
17.5°	254.3	254.7	254.2	253.9	253.5	254.2	253.5	253.5	253.9	253.9	252.9
20°	270.9	271.4	270.9	271.0	270.8	270.9	271.0	271.3	271.9	270.9	271.0
22.5°	289.3	289.4	289.8	289.4	290.1	289.7	290.5	291.2	291.1	290.8	291.0
25°	309.4	308.9	309.1	310.3	311.3	311.0	311.2	312.3	312.0	311.7	311.9
27.5°	329.7	329.4	329.8	330.9	332.1	331.9	331.6	332.5	332.5	331.8	332.1
30°	349.9	350.3	351.0	351.0	351.6	352.1	351.7	352.7	352.8	352.3	353.0
32.5°	371.2	372.1	371.8	373.7	373.7	373.9	374.3	374.1	375.5	374.4	374.8
35°	396.9	397.1	398.8	400.2	401.0	401.7	401.7	402.2	402.9	402.3	403.1
37.5°	412.5	413.0	413.6	414.4	414.4	414.4	415.1	415.3	415.7	415.5	415.8
40°	429.6	429.7	429.9	430.0	430.6	430.9	430.2	431.1	430.4	430.7	431.1
42.5°	450.4	448.4	448.7	448.3	449.3	448.0	448.3	449.4	448.8	449.7	449.7
45°	474.5	472.2	470.3	469.2	469.2	467.5	467.8	468.2	468.9	470.0	472.0
47.5°	510.1	502.5	498.7	494.8	492.9	490.8	491.5	491.6	491.9	493.7	498.6
50°	568.5	555.7	545.8	534.0	529.5	525.9	523.8	523.9	523.9	527.7	532.6
52.5°	681.4	657.6	634.0	613.4	595.7	587.2	577.3	574.8	574.9	578.2	581.5
55°	876.4	843.6	818.7	772.8	758.9	719.7	699.1	687.3	678.1	682.5	687.4
57.5°	1226.1	1195.9	1176.1	1121.3	1071.4	1057.2	1023.4	995.9	984.6	971.5	972.4
60°	1655.2	1639.6	1634.5	1602.5	1584.5	1528.6	1524.2	1489.5	1456.7	1428.4	1440.0
62.5°	1839.9	1847.2	1853.0	1864.3	1868.6	1863.3	1840.9	1825.6	1798.7	1761.6	1738.9
65°	1793.3	1809.8	1834.8	1858.3	1886.5	1909.9	1921.5	1917.0	1892.8	1854.6	1806.9
67.5°	1646.1	1663.0	1684.4	1714.2	1757.3	1802.9	1834.6	1854.8	1835.6	1801.2	1752.7
70°	1414.4	1430.8	1431.5	1473.2	1519.6	1577.0	1633.3	1654.5	1632.6	1609.6	1569.0
72.5°	1059.3	1049.4	1058.6	1066.3	1092.8	1129.0	1183.6	1181.2	1147.8	1130.0	1067.7
75°	497.9	491.2	481.4	475.0	468.9	456.1	462.2	436.0	427.0	430.6	376.8
77.5°	179.1	169.9	155.1	140.7	122.6	101.6	85.7	75.2	70.1	70.2	67.0
80°	150.2	154.7	152.6	138.4	118.0	96.0	71.9	54.5	46.5	43.2	41.1
82.5°	162.9	185.3	196.5	187.7	158.6	122.1	78.6	47.5	34.8	29.8	28.6
85°	90.3	90.4	87.6	83.7	74.3	51.0	34.0	22.6	18.1	16.2	15.6
87.5°	15.3	14.6	14.6	13.7	12.0	11.7	10.5	9.9	8.8	8.1	7.8
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):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	194.9	194.7	194.5	194.4	194.4	194.2	194.2	194.0	193.7	193.6	193.4
5°	199.4	199.1	198.8	198.6	198.6	198.3	198.0	197.7	197.3	196.6	196.5
7.5°	206.9	206.4	206.4	205.4	205.4	204.8	204.4	204.4	203.9	202.8	202.6
10°	216.3	215.3	214.9	214.3	214.0	213.5	213.5	212.9	212.6	212.2	210.8
12.5°	226.3	225.6	225.3	224.6	224.2	224.2	223.9	223.0	223.7	222.7	222.0
15°	238.4	238.3	237.0	237.4	237.3	237.2	237.3	236.5	236.3	236.3	235.5
17.5°	253.6	252.5	252.6	252.6	252.9	252.9	251.8	252.4	252.5	252.2	251.9
20°	271.4	271.0	271.4	270.6	271.4	271.4	272.0	271.9	272.0	272.3	272.3
22.5°	290.5	291.7	291.8	292.1	291.1	292.8	292.8	293.0	293.7	293.7	294.0
25°	313.7	313.1	312.4	313.4	313.7	314.8	315.1	315.1	316.2	316.2	316.6
27.5°	332.9	333.5	333.3	333.9	333.6	335.1	335.7	337.4	336.9	337.8	338.9
30°	352.7	353.8	353.2	353.4	354.1	355.1	356.2	357.8	358.1	360.4	360.9
32.5°	375.5	376.4	377.1	377.4	377.4	379.0	380.8	381.4	384.3	386.0	387.9
35°	404.5	404.7	405.1	405.5	405.2	407.0	408.8	409.4	412.5	412.9	416.9
37.5°	416.8	417.1	418.7	419.6	420.1	422.4	425.7	428.2	431.6	434.8	439.4
40°	432.1	433.8	435.3	436.6	438.7	441.7	446.9	449.4	454.4	460.4	464.9
42.5°	451.5	454.6	455.7	458.0	463.2	467.0	472.1	477.5	484.2	491.5	496.8
45°	474.5	477.4	481.6	484.2	490.2	496.2	504.4	509.2	516.0	524.4	530.2
47.5°	502.3	506.4	510.6	516.0	523.1	529.4	537.6	543.7	550.6	557.4	563.8
50°	537.0	543.0	548.6	554.3	563.8	569.1	577.2	583.6	590.0	596.8	602.7
52.5°	583.7	592.8	599.9	603.8	616.6	621.9	631.8	636.3	641.6	647.7	655.2
55°	685.6	699.7	711.6	718.6	738.1	745.1	757.9	764.5	760.8	768.6	782.2
57.5°	980.2	997.4	1011.8	1021.3	1041.2	1051.0	1051.7	1076.2	1061.7	1076.0	1078.1
60°	1409.2	1422.9	1419.4	1419.5	1413.3	1404.2	1421.6	1395.1	1406.3	1407.0	1382.0
62.5°	1697.0	1676.1	1666.3	1650.1	1631.3	1616.8	1607.0	1585.6	1568.6	1555.1	1528.8
65°	1764.7	1728.5	1696.4	1666.2	1638.4	1619.2	1598.3	1575.5	1548.8	1526.4	1500.8
67.5°	1699.2	1648.5	1601.0	1561.1	1523.2	1497.8	1467.6	1445.9	1412.4	1382.9	1363.4
70°	1509.3	1439.0	1383.6	1358.1	1320.5	1266.0	1237.1	1210.0	1189.5	1162.7	1150.9
72.5°	1058.8	972.1	929.3	931.0	892.8	853.8	854.8	838.2	811.7	810.9	806.8
75°	389.1	353.9	329.3	330.4	316.2	301.0	305.2	309.6	301.0	318.5	291.4
77.5°	61.9	60.2	59.6	58.4	55.3	57.6	56.0	58.9	59.4	62.6	62.8
80°	39.4	37.8	37.3	36.6	36.5	36.5	36.2	36.2	36.2	36.4	36.1
82.5°	26.3	25.4	25.2	24.8	25.5	25.6	25.8	26.9	27.9	28.1	29.3
85°	14.4	13.7	13.7	13.4	13.9	14.1	15.3	16.9	18.8	19.6	21.5
87.5°	7.2	7.7	7.5	7.8	8.2	9.2	10.2	11.1	12.3	13.8	15.0
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):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	193.1	193.0	193.0	192.7	192.7	192.6	192.3	192.0	190.8	189.2	188.3
5°	196.1	195.8	195.6	195.4	194.9	194.9	194.5	194.0	191.6	189.1	187.6
7.5°	202.1	201.9	201.5	200.9	200.4	199.8	199.5	199.3	195.6	193.3	192.2
10°	210.7	210.6	209.6	209.4	208.6	208.7	208.0	207.5	205.1	202.5	200.9
12.5°	221.7	222.3	221.7	220.4	220.7	220.3	219.6	218.9	216.8	214.7	212.4
15°	235.4	234.7	234.1	235.2	234.2	234.1	234.5	234.7	232.2	229.9	226.6
17.5°	252.4	252.4	252.1	252.4	251.8	252.2	251.9	252.2	251.1	248.0	243.2
20°	271.7	272.8	272.8	272.4	272.3	273.1	273.5	272.0	272.3	269.6	260.9
22.5°	294.3	295.1	295.4	295.0	295.1	296.3	296.9	295.8	298.3	294.0	280.5
25°	317.6	318.8	318.3	318.4	319.5	320.8	322.0	320.9	325.8	319.1	301.4
27.5°	340.6	341.7	341.4	342.2	344.0	345.7	347.1	346.7	354.8	346.0	323.4
30°	362.3	365.0	365.5	366.5	368.7	371.5	373.7	373.6	384.0	372.2	341.4
32.5°	389.1	392.0	393.1	395.2	399.5	401.5	404.2	404.5	415.0	395.2	356.6
35°	420.0	422.9	425.3	426.8	431.7	434.1	436.9	438.1	445.1	416.6	367.2
37.5°	444.0	446.5	451.1	454.3	458.6	463.3	466.5	468.1	472.0	435.0	372.1
40°	470.2	475.6	480.1	484.9	489.7	493.4	496.4	498.7	497.2	450.4	370.0
42.5°	503.3	509.0	515.0	519.2	521.7	526.7	528.1	529.8	517.3	457.3	360.5
45°	537.9	542.5	547.5	550.6	553.9	556.4	556.8	557.0	532.2	453.3	343.4
47.5°	571.2	575.1	578.6	580.2	581.9	582.1	581.4	580.2	540.1	439.6	322.7
50°	607.7	610.1	611.6	611.7	613.3	610.3	608.4	603.2	539.3	418.7	301.0
52.5°	660.2	659.7	657.7	657.6	652.7	647.1	643.5	636.1	533.6	396.2	275.9
55°	780.9	775.6	781.7	766.1	753.2	744.5	724.0	709.1	539.3	375.1	247.1
57.5°	1070.9	1052.8	1054.7	1029.5	1001.9	950.2	919.7	878.4	584.1	363.4	210.7
60°	1376.7	1346.9	1318.8	1274.1	1215.4	1149.8	1090.7	1026.2	628.7	349.1	172.0
62.5°	1503.0	1464.5	1415.6	1352.5	1277.1	1195.7	1114.1	1040.5	604.2	305.9	123.9
65°	1462.3	1416.3	1364.2	1281.9	1196.3	1101.7	1012.2	934.5	503.2	223.7	74.8
67.5°	1317.8	1278.2	1214.0	1136.2	1030.3	935.4	847.0	775.0	370.9	138.2	42.9
70°	1109.6	1054.9	1000.0	925.3	813.6	724.2	641.8	578.3	235.4	68.3	31.6
72.5°	765.9	722.5	678.6	611.7	528.4	466.8	396.0	343.8	123.2	36.8	29.1
75°	298.3	293.6	288.6	258.2	229.9	184.2	161.8	145.9	51.3	31.9	28.7
77.5°	65.5	69.4	71.6	67.9	64.7	57.7	55.2	49.3	34.3	32.7	28.4
80°	36.1	36.1	36.1	36.5	35.8	35.8	35.4	34.7	32.0	32.7	27.9
82.5°	29.5	30.0	30.5	30.7	30.5	30.7	30.4	30.2	31.4	32.9	26.5
85°	22.6	24.0	24.8	25.9	27.0	27.7	28.0	28.1	28.8	31.2	23.1
87.5°	16.0	17.1	19.0	19.2	20.5	22.0	22.6	23.4	23.0	23.7	10.9
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°	193.6	193.6	193.6	193.6	193.6
2.5°	187.4	186.3	185.9	185.7	185.5
5°	186.3	185.6	185.1	184.6	184.9
7.5°	191.3	190.9	189.9	189.7	190.1
10°	200.2	199.3	197.9	198.0	197.9
12.5°	211.4	208.7	206.5	205.5	204.8
15°	222.8	217.7	213.1	211.0	210.1
17.5°	235.5	226.7	219.6	215.8	215.2
20°	248.9	236.8	227.6	223.1	222.4
22.5°	264.3	247.6	235.9	229.8	228.8
25°	279.4	257.4	241.8	234.2	233.0
27.5°	293.0	264.8	245.3	236.3	235.1
30°	304.5	270.6	248.2	238.0	236.6
32.5°	312.0	273.8	249.2	238.1	236.5
35°	314.4	271.7	245.0	232.3	230.9
37.5°	309.4	263.2	233.8	219.5	218.4
40°	297.9	247.5	216.3	201.4	200.0
42.5°	280.1	227.6	195.9	180.2	178.9
45°	260.3	206.2	174.3	158.6	157.3
47.5°	238.7	183.7	151.6	137.1	135.2
50°	215.0	159.1	128.5	114.3	112.5
52.5°	187.3	132.4	104.0	91.1	90.0
55°	154.8	105.5	82.8	73.4	72.3
57.5°	120.4	80.3	65.8	61.2	59.4
60°	87.4	61.0	52.4	50.2	49.2
62.5°	59.4	45.6	42.2	41.5	40.8
65°	40.3	35.7	34.7	34.8	34.4
67.5°	31.8	30.0	29.4	29.7	29.5
70°	27.9	26.5	26.3	26.6	26.5
72.5°	26.3	24.5	24.8	25.2	25.1
75°	25.6	23.7	24.2	24.5	23.8
77.5°	24.9	22.4	24.1	24.7	23.3
80°	24.0	21.3	25.2	24.9	22.3
82.5°	21.9	18.8	24.7	22.6	20.1
85°	17.8	14.1	27.7	19.9	14.6
87.5°	11.4	8.5	19.2	15.2	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)