

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: P145174

Luminaire Tested: **LDRL-SL3-F06-E-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145174  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRL-SL3-F06-E-7030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13430.3 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

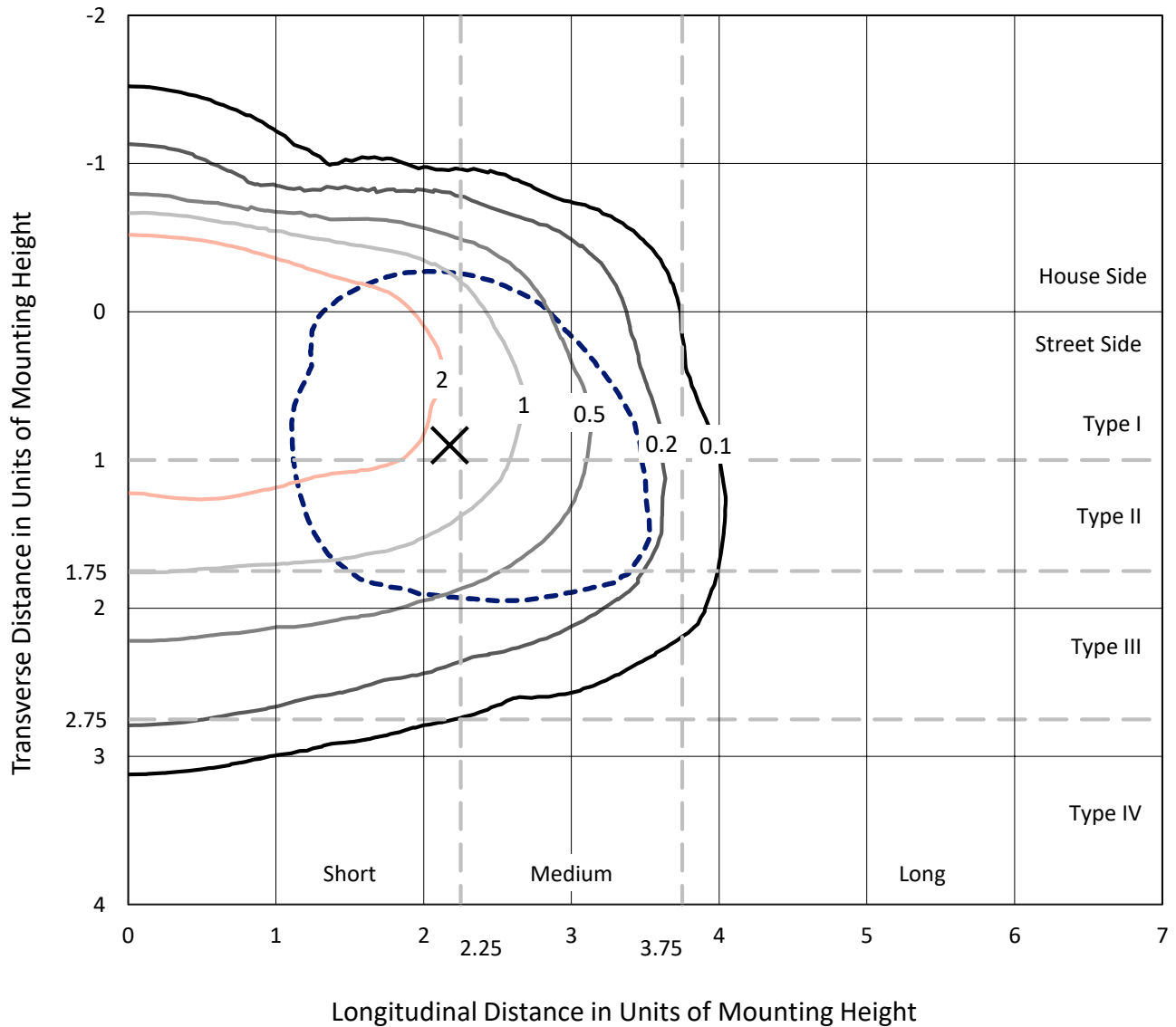
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

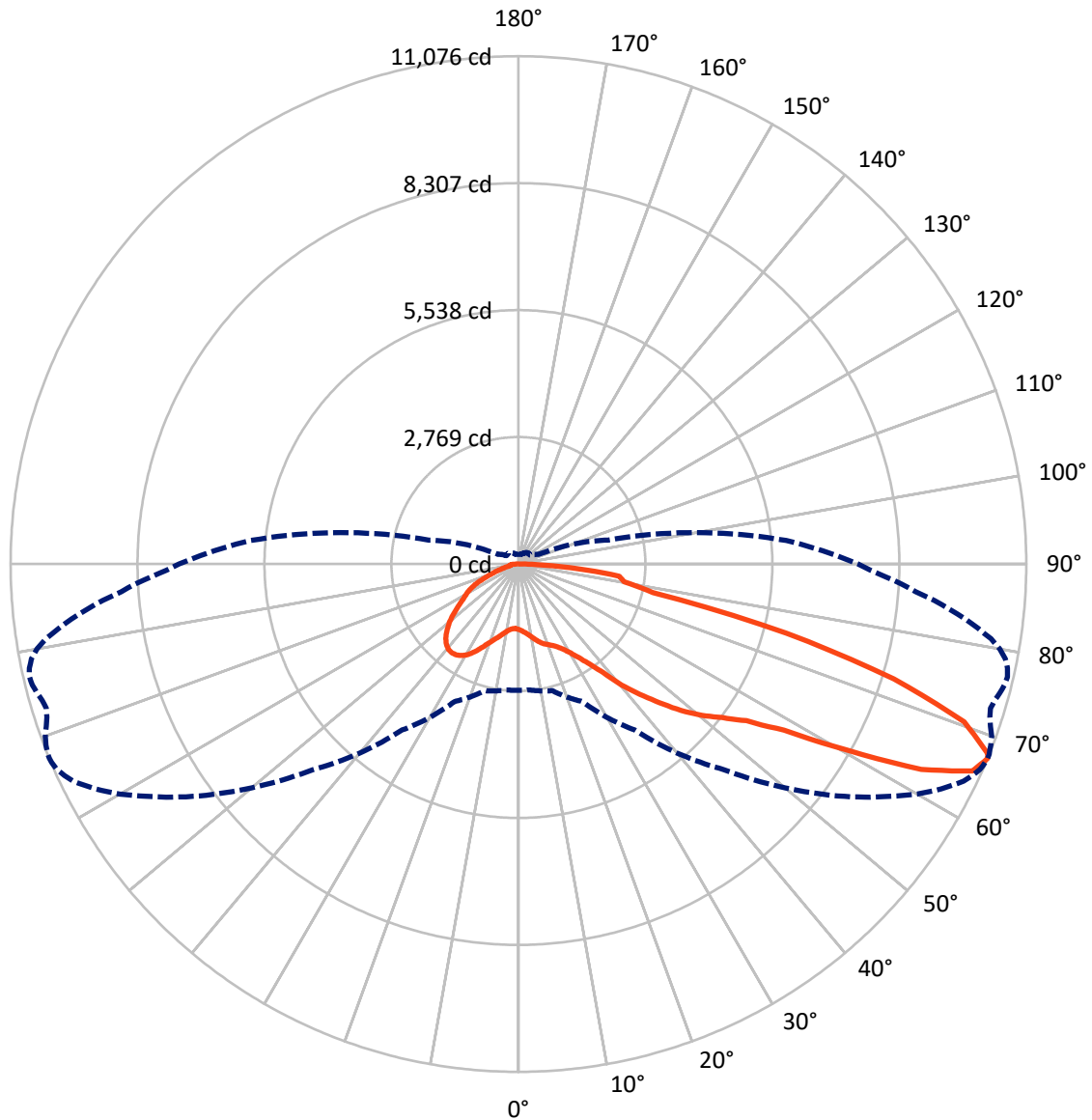
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3180.2	0.0	3180.2
	% Fixture	23.7	0.0	23.7
<b>Street Side</b>	Lumens	10250.0	0.0	10250.0
	% Fixture	76.3	0.0	76.3
<b>Total</b>	Lumens	13430.3	0.0	13430.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.6	1.1
10°-20°	488.3	3.6
20°-30°	869.2	6.5
30°-40°	1266.2	9.4
40°-50°	1950.9	14.5
50°-60°	2857.2	21.3
60°-70°	3794.1	28.2
70°-80°	1788.4	13.3
80°-90°	273.4	2.0
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°	13430.3	100.0
0°-180°	13430.3	100.0



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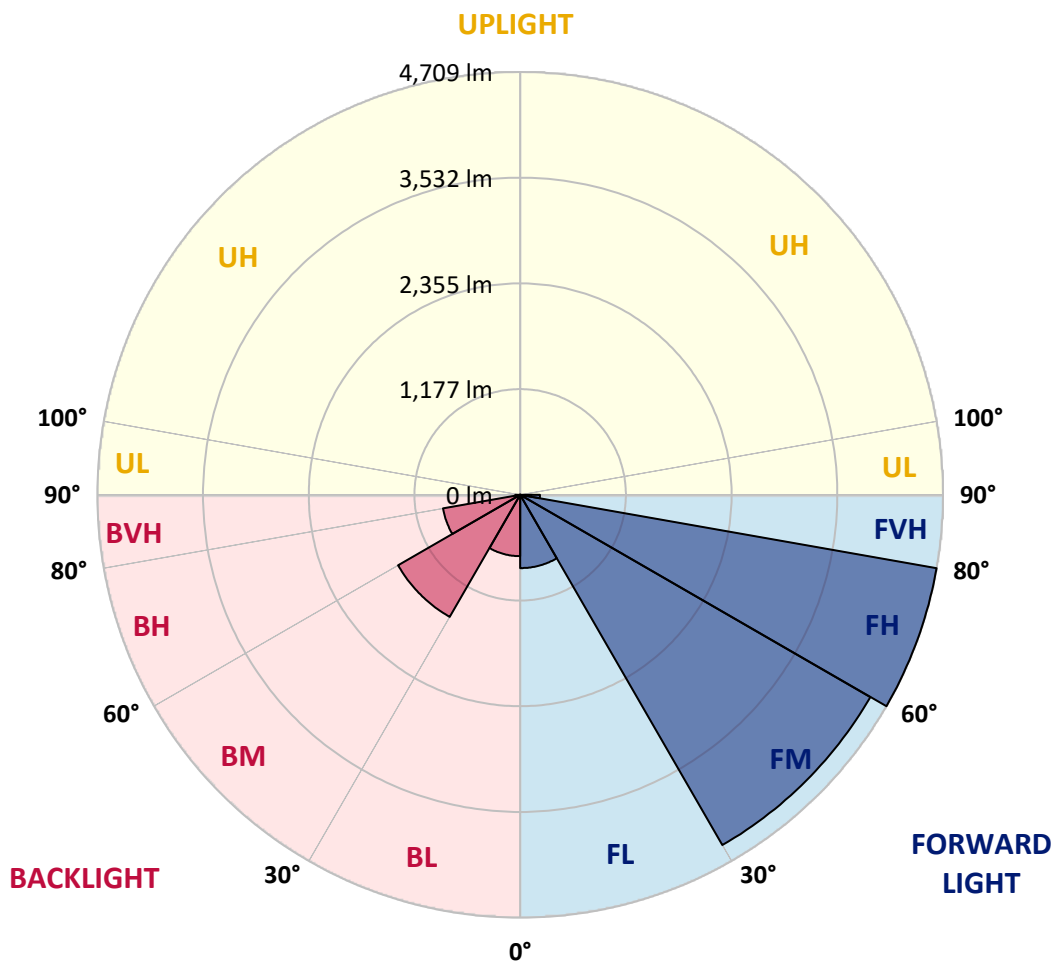
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	816.5	6.1			
FM	(30°-60°)	4503.9	33.5			
FH	(60°-80°)	4709.4	35.1			G2/5000
FVH	(80°-90°)	220.3	1.6			G2/225
BL	(0°-30°)	683.7	5.1	B2/1000		
BM	(30°-60°)	1570.4	11.7	B2/2500		
BH	(60°-80°)	873.1	6.5	B2/1000		G2/1000
BVH	(80°-90°)	53.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7
2.5°	1500.1	1493.8	1494.7	1497.4	1488.4	1483.9	1473.9	1467.6	1466.7	1465.8	1462.1
5°	1587.9	1581.6	1584.3	1577.1	1559.9	1548.1	1527.3	1516.4	1514.6	1512.8	1508.3
7.5°	1679.3	1671.2	1662.1	1654.0	1635.0	1616.0	1588.8	1572.5	1570.7	1568.0	1565.3
10°	1787.9	1776.1	1768.9	1743.5	1711.0	1684.7	1657.6	1640.4	1639.5	1636.8	1631.3
12.5°	1910.0	1897.3	1883.8	1850.3	1799.6	1760.7	1729.1	1719.1	1711.0	1711.9	1706.4
15°	2031.3	2017.7	1999.6	1957.1	1890.1	1832.2	1791.5	1777.0	1777.9	1773.4	1776.1
17.5°	2133.5	2121.7	2095.5	2041.2	1963.4	1883.8	1832.2	1825.9	1827.7	1826.8	1829.5
20°	2200.5	2193.2	2153.4	2088.3	2000.5	1912.7	1860.3	1860.3	1861.2	1864.8	1871.1
22.5°	2241.2	2230.3	2177.8	2086.5	1999.6	1926.3	1885.6	1894.6	1900.1	1902.8	1912.7
25°	2263.8	2250.2	2178.7	2057.5	1968.8	1936.3	1923.6	1946.2	1955.3	1959.8	1976.1
27.5°	2263.8	2247.5	2167.0	2021.3	1933.5	1966.1	1996.0	2034.9	2041.2	2054.8	2073.8
30°	2238.5	2225.8	2148.9	1994.2	1924.5	2022.2	2112.7	2157.0	2172.4	2187.8	2212.2
32.5°	2211.3	2200.5	2139.8	2008.6	1975.2	2139.8	2290.9	2351.6	2360.6	2373.3	2398.6
35°	2209.5	2205.9	2179.6	2100.9	2128.1	2355.2	2559.7	2601.3	2626.6	2632.9	2643.8
37.5°	2228.5	2235.7	2258.4	2250.2	2347.9	2675.5	2911.6	2994.9	3014.8	3003.9	3013.9
40°	2272.8	2290.9	2375.1	2479.1	2683.6	3062.7	3391.2	3487.1	3508.8	3502.5	3499.7
42.5°	2413.1	2437.5	2561.5	2784.0	3032.9	3463.5	3836.3	3939.5	3946.7	3950.3	3926.8
45°	2632.9	2646.5	2811.2	3095.3	3411.1	3895.1	4280.6	4395.5	4391.0	4372.9	4355.7
47.5°	2882.7	2910.7	3108.0	3451.8	3801.9	4294.1	4730.3	4842.4	4852.4	4836.1	4804.4
50°	3109.8	3131.5	3354.1	3762.1	4146.7	4626.2	5109.4	5222.5	5220.7	5229.7	5238.7
52.5°	3288.9	3308.8	3520.5	3969.3	4400.0	4904.9	5395.3	5534.6	5556.3	5570.8	5588.9
55°	3381.2	3402.0	3597.5	4055.3	4553.8	5177.2	5725.5	5925.5	5962.6	5995.2	6025.0
57.5°	3383.0	3410.2	3589.3	4048.9	4633.4	5420.6	6162.5	6521.7	6574.2	6657.5	6759.7
60°	3327.8	3365.8	3526.9	3990.1	4724.8	5729.1	6882.8	7570.4	7673.5	7819.2	7950.4
62.5°	3184.0	3222.0	3365.8	3840.8	4831.6	6124.5	7923.3	8931.2	9151.1	9312.1	9571.8
65°	2956.9	2993.1	3114.3	3593.8	4746.5	6436.7	8698.7	9907.5	10131.9	10333.6	10638.5
67°	2754.2	2757.8	2860.0	3310.6	4415.4	6339.9	8854.3	10037.8	10245.0	10449.4	10803.2
67.5°	2682.7	2702.6	2782.2	3216.5	4289.6	6268.4	8792.8	9967.2	10168.1	10386.1	10747.1
70°	2168.8	2174.2	2251.1	2566.0	3403.8	5197.1	7897.9	9066.9	9204.5	9523.8	9878.5
72.5°	1322.8	1313.8	1338.2	1571.6	2240.3	3599.3	6323.6	7464.5	7652.7	7925.1	8164.8
75°	728.4	771.8	801.6	963.6	1258.6	2116.3	4305.9	5400.7	5676.7	5838.6	5886.6
77.5°	445.2	441.5	455.1	621.6	1032.4	1447.7	2378.7	3168.6	3322.4	3368.5	3190.3
80°	211.7	219.9	217.2	256.1	500.4	1221.5	1663.0	2034.9	2112.7	2157.0	2214.9
82.5°	115.8	120.3	136.6	152.9	197.2	525.7	1435.0	1876.5	1929.0	2005.0	2090.1
85°	72.4	76.0	105.0	110.4	121.2	162.0	598.1	1096.6	1140.9	1292.0	1340.0
87.5°	29.9	32.6	57.0	51.6	61.5	57.0	181.0	278.7	295.9	314.9	349.2
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°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7
2.5°	1463.0	1462.1	1458.5	1457.6	1459.4	1459.4	1457.6	1454.9	1454.0	1453.1	1451.3
5°	1506.5	1504.7	1502.0	1500.1	1499.2	1499.2	1496.5	1493.8	1491.1	1487.5	1486.6
7.5°	1558.1	1558.1	1557.1	1554.4	1551.7	1548.1	1545.4	1542.7	1540.0	1538.1	1535.4
10°	1625.9	1629.5	1623.2	1621.4	1620.5	1615.1	1614.1	1611.4	1609.6	1605.1	1605.1
12.5°	1706.4	1702.8	1701.9	1698.3	1698.3	1695.6	1694.7	1693.8	1692.0	1688.3	1687.4
15°	1773.4	1773.4	1772.5	1770.7	1772.5	1770.7	1768.0	1769.8	1767.1	1768.0	1765.2
17.5°	1827.7	1831.3	1830.4	1831.3	1830.4	1830.4	1832.2	1832.2	1834.0	1830.4	1831.3
20°	1872.9	1878.3	1881.1	1879.3	1881.1	1882.0	1886.5	1888.3	1891.0	1892.8	1892.8
22.5°	1920.0	1927.2	1932.6	1932.6	1936.3	1939.9	1948.0	1949.8	1956.2	1955.3	1959.8
25°	1986.0	1997.8	2001.4	2006.8	2011.4	2017.7	2027.6	2032.2	2034.9	2041.2	2048.4
27.5°	2087.4	2101.8	2104.5	2110.9	2122.6	2126.3	2137.1	2141.6	2151.6	2165.2	2167.9
30°	2225.8	2243.9	2244.8	2252.0	2265.6	2270.1	2279.2	2290.9	2299.1	2312.6	2313.6
32.5°	2414.0	2432.1	2429.4	2442.9	2442.0	2455.6	2452.9	2471.0	2478.2	2485.5	2505.4
35°	2664.6	2662.8	2676.4	2680.9	2678.2	2689.0	2687.2	2695.4	2702.6	2702.6	2724.3
37.5°	3025.6	3022.9	3021.1	3002.1	2997.6	2998.5	2994.9	3002.1	2990.3	2990.3	3013.9
40°	3509.7	3493.4	3480.7	3468.1	3455.4	3438.2	3423.7	3420.1	3400.2	3399.3	3390.3
42.5°	3930.4	3915.0	3906.0	3881.6	3868.9	3866.2	3830.9	3820.9	3815.5	3819.1	3810.1
45°	4372.0	4355.7	4321.3	4310.4	4306.8	4287.8	4282.4	4258.0	4250.7	4263.4	4258.9
47.5°	4827.1	4803.5	4784.5	4771.9	4767.3	4751.1	4727.5	4747.4	4737.5	4730.3	4716.7
50°	5236.0	5209.8	5209.8	5187.2	5190.8	5179.9	5155.5	5160.9	5132.9	5143.7	5136.5
52.5°	5578.9	5580.8	5589.8	5564.5	5569.0	5569.0	5560.9	5534.6	5541.9	5538.2	5555.4
55°	6015.1	6044.9	6028.6	6033.2	6038.6	6063.9	6082.0	6066.6	6041.3	6061.2	6116.4
57.5°	6777.8	6804.9	6821.2	6833.9	6854.7	6866.5	6964.2	6977.8	6948.8	7008.5	7131.6
60°	8104.2	8136.8	8185.7	8249.9	8263.5	8345.8	8396.5	8456.2	8477.9	8529.5	8661.6
62.5°	9699.4	9772.7	9781.7	9863.1	9926.5	9849.6	9869.5	9942.8	9859.5	9973.5	9979.0
65°	10743.5	10850.3	10853.9	10883.7	10907.3	10834.9	10802.3	10769.7	10691.0	10686.5	10765.2
67°	10922.7	11020.4	11061.1	11075.6	11071.9	11034.8	10981.5	10887.4	10811.4	10767.9	10800.5
67.5°	10872.0	10967.9	11024.9	11038.5	11039.4	11003.2	10954.3	10852.1	10780.6	10731.7	10766.1
70°	10039.6	10264.0	10361.7	10311.0	10340.0	10340.0	10338.2	10244.1	10208.8	10161.7	10143.6
72.5°	8347.6	8503.2	8627.2	8561.1	8569.3	8630.8	8616.3	8626.3	8525.0	8514.1	8346.7
75°	5979.8	6029.5	5987.9	6035.0	5781.6	5691.1	5537.3	5312.9	5254.1	5160.9	4882.3
77.5°	3176.7	3120.6	3009.3	3000.3	2896.2	2815.7	2716.2	2651.0	2486.4	2395.0	2186.0
80°	2243.9	2271.0	2313.6	2338.9	2362.4	2380.5	2343.4	2239.4	2101.8	1948.0	1802.3
82.5°	2143.5	2180.5	2205.9	2218.6	2209.5	2180.5	2095.5	1996.0	1812.3	1679.3	1521.9
85°	1351.8	1381.6	1330.0	1319.2	1341.8	1159.0	1058.6	977.2	791.7	736.5	650.5
87.5°	362.8	382.7	383.6	371.9	364.6	321.2	284.1	251.5	208.1	195.4	158.3
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):**

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7
2.5°	1451.3	1450.4	1450.4	1447.7	1445.9	1445.0	1444.0	1441.3	1439.5	1439.5	1438.6
5°	1485.7	1483.9	1481.1	1480.2	1476.6	1474.8	1471.2	1469.4	1466.7	1464.9	1464.0
7.5°	1534.5	1530.0	1524.6	1525.5	1520.1	1517.3	1515.5	1511.9	1509.2	1506.5	1505.6
10°	1599.7	1598.8	1593.3	1595.1	1585.2	1589.7	1580.7	1581.6	1576.1	1570.7	1569.8
12.5°	1682.9	1682.0	1676.6	1670.2	1668.4	1669.3	1663.9	1664.8	1658.5	1656.7	1654.9
15°	1762.5	1760.7	1758.0	1753.5	1750.8	1749.9	1748.1	1746.2	1740.8	1740.8	1734.5
17.5°	1831.3	1832.2	1828.6	1825.0	1823.2	1820.4	1819.5	1819.5	1815.0	1810.5	1811.4
20°	1891.9	1893.7	1893.7	1891.0	1891.9	1890.1	1889.2	1891.0	1886.5	1884.7	1882.0
22.5°	1959.8	1959.8	1960.7	1962.5	1965.2	1966.1	1966.1	1964.3	1961.6	1960.7	1955.3
25°	2053.9	2050.3	2054.8	2056.6	2056.6	2061.1	2059.3	2060.2	2061.1	2058.4	2055.7
27.5°	2172.4	2168.8	2177.8	2184.2	2183.3	2186.0	2191.4	2185.1	2188.7	2191.4	2185.1
30°	2318.1	2327.1	2333.5	2338.0	2336.2	2344.3	2347.0	2346.1	2343.4	2347.9	2347.9
32.5°	2503.6	2499.0	2515.3	2525.3	2526.2	2524.4	2528.9	2534.3	2529.8	2537.0	2533.4
35°	2724.3	2727.0	2730.7	2741.5	2746.0	2738.8	2746.0	2752.4	2750.6	2751.5	2755.1
37.5°	3009.3	3013.9	3010.2	3011.1	3009.3	3043.7	3049.1	3054.6	3048.2	3042.8	3059.1
40°	3404.7	3404.7	3403.8	3415.6	3395.7	3417.4	3411.1	3426.4	3442.7	3433.7	3458.1
42.5°	3793.8	3815.5	3817.3	3800.1	3814.6	3838.1	3838.1	3848.1	3862.6	3848.1	3871.6
45°	4239.9	4267.0	4262.5	4291.4	4269.7	4296.9	4301.4	4288.7	4320.4	4324.0	4315.0
47.5°	4726.6	4732.1	4733.0	4742.9	4747.4	4769.2	4768.3	4791.8	4784.5	4748.3	4761.0
50°	5143.7	5157.3	5164.6	5170.9	5193.5	5208.9	5229.7	5233.3	5227.9	5217.0	5207.1
52.5°	5560.9	5593.4	5614.2	5670.3	5705.6	5733.7	5768.1	5780.7	5774.4	5771.7	5731.9
55°	6119.1	6196.9	6317.3	6395.1	6480.1	6529.9	6569.7	6589.6	6575.1	6582.4	6500.0
57.5°	7170.5	7353.2	7458.2	7591.2	7741.4	7803.8	7821.0	7891.6	7813.8	7736.0	7673.5
60°	8733.1	8901.3	9092.3	9228.9	9279.5	9452.4	9370.9	9279.5	9196.3	9035.3	8853.4
62.5°	10143.6	10360.8	10458.5	10586.1	10551.7	10537.2	10482.9	10337.3	10159.0	9919.2	9676.8
65°	10839.4	10961.6	11022.2	11063.8	11024.9	10924.5	10745.3	10530.0	10274.8	9964.5	9646.0
67°	10867.5	10923.6	10943.5	10903.7	10816.8	10660.3	10434.1	10129.1	9815.2	9459.6	9101.3
67.5°	10821.3	10858.4	10868.4	10805.9	10702.8	10533.6	10292.0	9966.3	9632.4	9263.3	8903.2
70°	10191.6	10164.4	10076.7	9990.7	9668.6	9441.5	9020.8	8673.3	8210.1	7870.8	7486.3
72.5°	8279.8	8155.8	8070.7	7690.7	7301.7	7076.4	6624.0	6208.7	5786.1	5463.1	5227.0
75°	4647.9	4557.4	4321.3	4120.4	3799.2	3505.2	3294.3	3030.1	2776.8	2626.6	2516.2
77.5°	2100.0	1841.3	1663.0	1437.7	1161.8	933.7	693.1	640.6	546.5	523.0	471.4
80°	1638.6	1453.1	1219.7	961.8	678.6	456.0	334.8	284.1	266.9	256.1	250.6
82.5°	1367.1	1126.5	948.2	673.2	430.7	289.5	218.1	197.2	184.6	175.5	167.4
85°	584.5	462.3	380.9	272.3	193.6	152.9	133.9	122.1	110.4	100.4	94.1
87.5°	136.6	105.0	95.9	81.4	76.9	76.0	75.1	71.5	67.0	61.5	55.2
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):**

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7	1428.7
2.5°	1437.7	1436.8	1435.0	1432.3	1432.3	1428.7	1416.9	1408.8	1399.7	1394.3	1388.9
5°	1462.1	1461.2	1456.7	1454.0	1452.2	1445.0	1425.0	1409.7	1393.4	1381.6	1372.6
7.5°	1502.9	1500.1	1496.5	1494.7	1489.3	1480.2	1451.3	1429.6	1406.0	1387.0	1371.7
10°	1568.9	1564.4	1559.0	1553.5	1555.3	1540.9	1507.4	1475.7	1441.3	1411.5	1390.7
12.5°	1649.4	1649.4	1646.7	1643.1	1636.8	1620.5	1575.2	1538.1	1496.5	1459.4	1444.0
15°	1734.5	1730.0	1725.4	1720.0	1719.1	1697.4	1656.7	1614.1	1570.7	1539.1	1521.0
17.5°	1804.2	1806.0	1799.6	1797.8	1796.0	1774.3	1730.9	1692.9	1661.2	1627.7	1598.8
20°	1878.3	1874.7	1872.9	1870.2	1869.3	1851.2	1816.8	1793.3	1765.2	1714.6	1638.6
22.5°	1958.0	1953.4	1955.3	1949.8	1948.9	1936.3	1910.9	1903.7	1862.1	1755.3	1623.2
25°	2061.1	2053.0	2055.7	2055.7	2056.6	2044.8	2042.1	2029.4	1924.5	1745.3	1561.7
27.5°	2184.2	2187.8	2187.8	2186.9	2180.5	2184.2	2196.8	2153.4	1946.2	1692.9	1469.4
30°	2344.3	2346.1	2347.9	2354.3	2340.7	2364.2	2379.6	2241.2	1929.9	1620.5	1353.6
32.5°	2538.8	2531.6	2535.2	2538.8	2543.4	2567.8	2558.8	2285.5	1882.0	1521.9	1209.7
35°	2753.3	2766.9	2770.5	2778.6	2787.7	2824.8	2720.7	2294.6	1808.7	1389.8	1026.0
37.5°	3072.7	3094.4	3094.4	3123.3	3106.2	3151.4	2865.5	2272.8	1697.4	1206.1	818.8
40°	3475.3	3485.3	3495.2	3498.8	3489.8	3484.4	2960.5	2219.5	1540.9	975.4	599.0
42.5°	3886.1	3882.5	3883.4	3889.7	3865.3	3763.0	3019.3	2126.3	1346.3	728.4	429.8
45°	4328.5	4313.1	4308.6	4296.0	4274.2	4058.9	3052.8	1995.1	1090.3	512.1	337.5
47.5°	4759.2	4740.2	4711.3	4676.0	4634.3	4296.9	3049.1	1825.0	836.0	366.4	297.7
50°	5200.7	5167.3	5104.8	5070.5	4999.9	4533.0	3028.3	1635.9	601.7	303.1	278.7
52.5°	5705.6	5645.9	5588.0	5519.2	5402.5	4823.4	2996.7	1423.2	438.8	277.8	266.0
55°	6458.4	6360.7	6265.7	6122.7	6009.6	5212.5	2943.3	1194.3	346.5	267.8	258.8
57.5°	7496.2	7329.7	7209.4	7016.7	6835.7	5750.9	2886.3	986.2	309.4	265.1	255.2
60°	8664.3	8413.7	8189.3	7952.2	7745.9	6423.1	2856.4	823.4	301.3	267.8	256.1
62.5°	9397.2	9101.3	8820.8	8531.3	8234.5	6744.3	2727.0	711.2	304.9	279.6	263.3
65°	9304.9	8978.3	8673.3	8320.5	8040.9	6441.2	2397.7	601.7	311.2	300.4	283.2
67°	8682.4	8365.7	8018.3	7672.6	7401.2	5864.9	2024.0	506.7	318.5	323.9	304.9
67.5°	8515.9	8159.4	7809.3	7491.7	7197.6	5686.6	1926.3	483.2	320.3	330.2	312.2
70°	7101.7	6819.4	6409.5	6174.3	5961.7	4609.9	1436.8	375.5	325.7	358.3	346.5
72.5°	4969.1	4695.9	4481.4	4353.0	4229.0	3349.5	1010.7	299.5	317.6	373.7	361.9
75°	2509.9	2447.5	2372.4	2330.7	2332.6	1947.1	608.9	255.2	298.6	358.3	328.4
77.5°	495.8	483.2	488.6	534.7	526.6	599.9	302.2	216.2	254.2	276.0	236.2
80°	239.8	231.6	224.4	222.6	218.1	209.0	190.0	180.1	206.3	181.9	156.5
82.5°	155.6	146.6	143.0	135.7	136.6	148.4	165.6	172.8	167.4	125.8	105.9
85°	87.8	86.9	85.1	86.9	90.5	118.5	177.3	162.0	134.8	88.7	79.6
87.5°	52.5	49.8	50.7	51.6	53.4	87.8	140.2	116.7	86.0	46.1	47.0
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°	1428.7	1428.7	1428.7	1428.7
2.5°	1388.0	1384.3	1384.3	1383.4
5°	1365.3	1359.9	1359.0	1359.0
7.5°	1361.7	1354.5	1353.6	1350.9
10°	1378.0	1375.3	1376.2	1373.5
12.5°	1429.6	1433.2	1436.8	1436.8
15°	1508.3	1505.6	1510.1	1505.6
17.5°	1566.2	1542.7	1537.2	1534.5
20°	1568.0	1519.1	1502.9	1500.1
22.5°	1511.9	1439.5	1412.4	1407.9
25°	1416.9	1325.5	1291.1	1287.5
27.5°	1297.5	1195.2	1144.6	1142.8
30°	1153.6	1032.4	968.1	958.2
32.5°	978.1	834.2	766.4	744.6
35°	775.4	627.9	564.6	562.8
37.5°	579.1	464.2	423.4	421.6
40°	424.3	364.6	349.2	346.5
42.5°	346.5	322.1	315.8	313.1
45°	310.3	300.4	296.8	294.1
47.5°	288.6	282.3	279.6	279.6
50°	271.4	269.6	267.8	267.8
52.5°	259.7	258.8	257.0	256.1
55°	249.7	246.1	247.0	246.1
57.5°	243.4	238.0	238.0	238.0
60°	239.8	229.8	229.8	230.7
62.5°	240.7	225.3	224.4	224.4
65°	247.9	222.6	217.2	218.1
67°	257.0	219.9	209.0	208.1
67.5°	259.7	218.1	206.3	205.4
70°	270.5	212.6	192.7	190.9
72.5°	272.3	204.5	179.1	177.3
75°	253.3	193.6	168.3	163.8
77.5°	197.2	166.5	152.0	152.0
80°	138.4	127.6	108.6	107.7
82.5°	101.3	95.9	79.6	77.8
85°	74.2	69.7	58.8	58.8
87.5°	46.1	44.3	38.0	36.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)