

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: P145159

Luminaire Tested: **LDRL-SL3-E05-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145159
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-E05-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13557.3 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

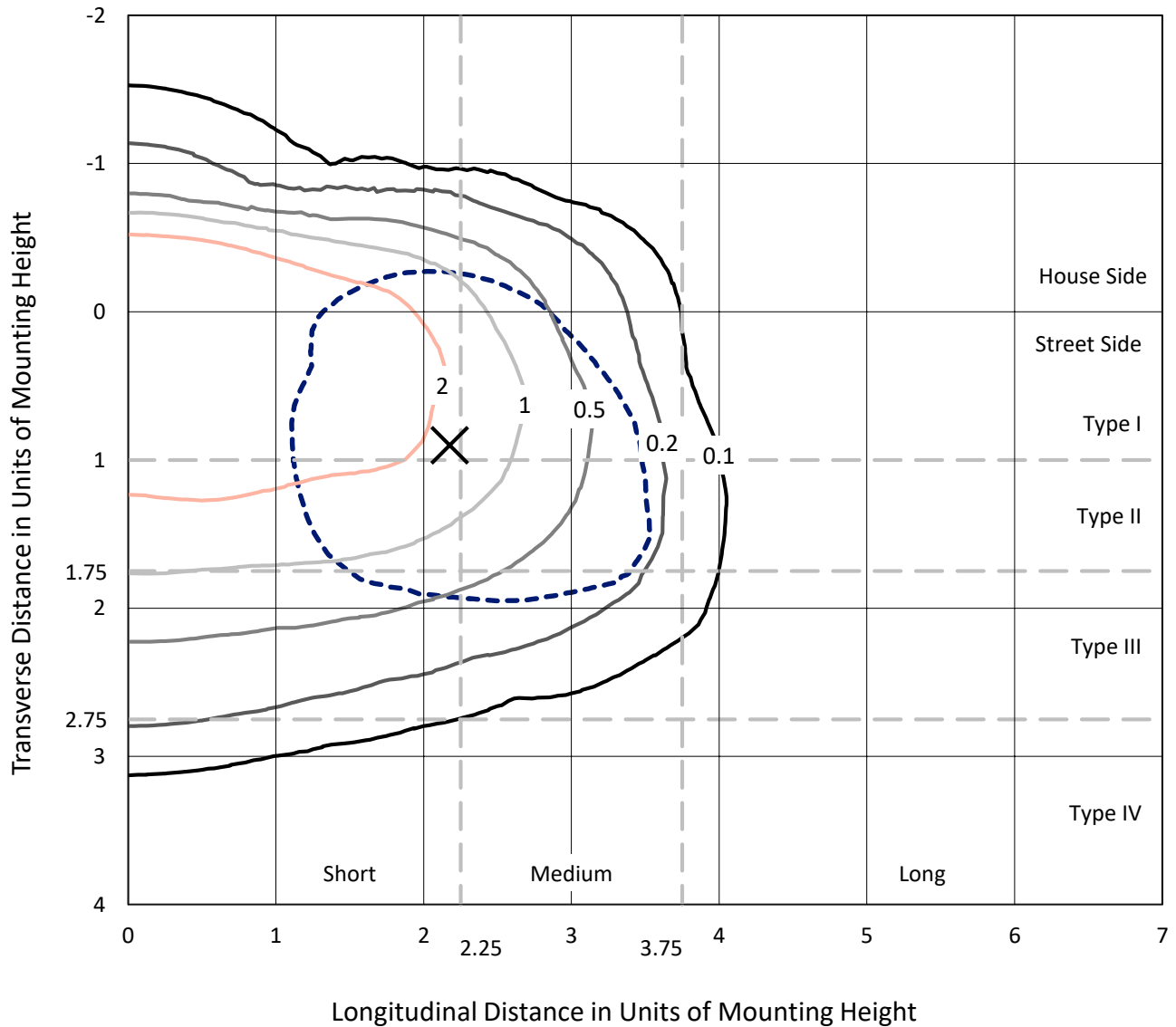
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

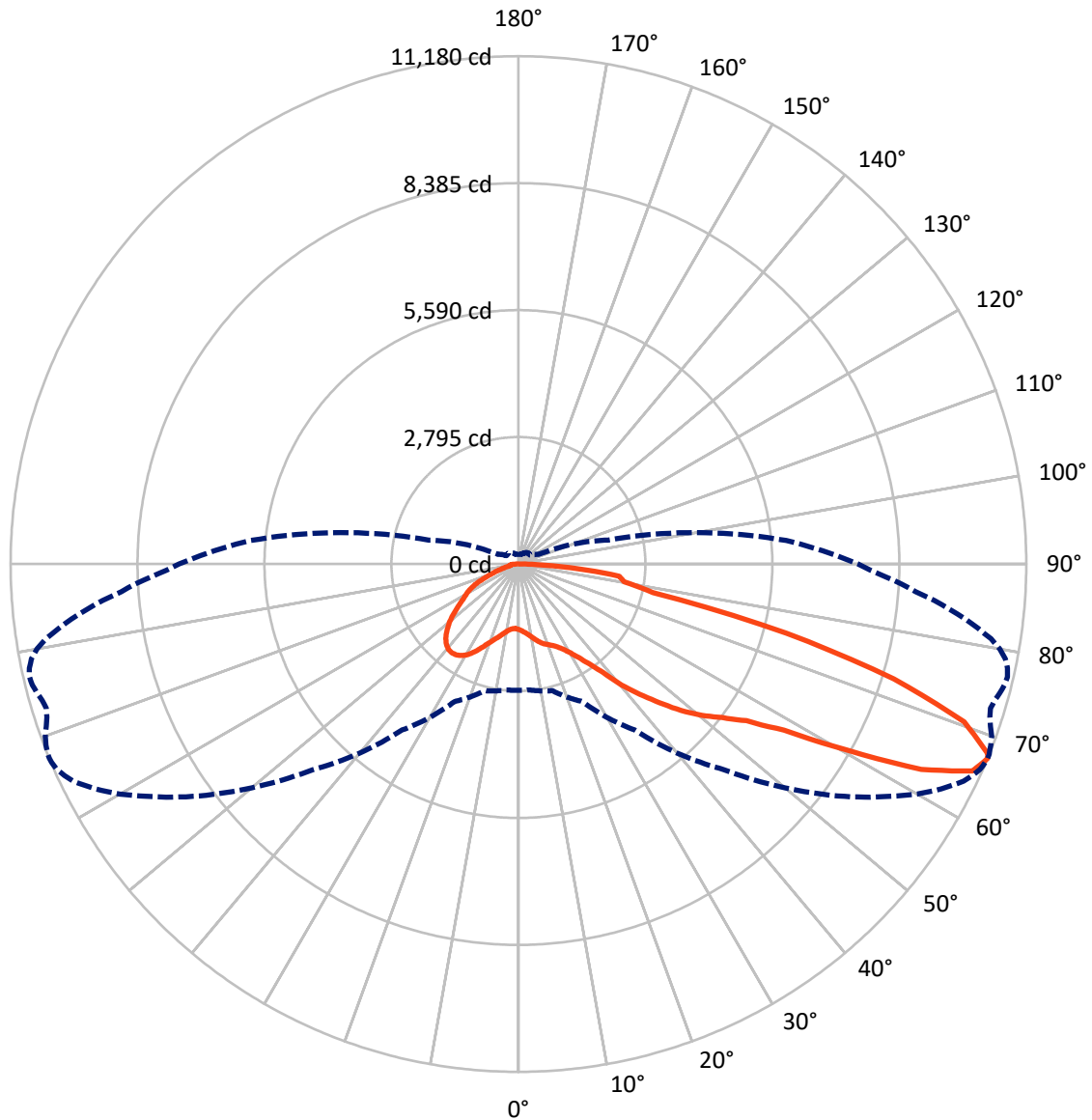
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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
House Side	Lumens	3210.3	0.0	3210.3
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	10347.0	0.0	10347.0
	% Fixture	76.3	0.0	76.3
Total	Lumens	13557.3	0.0	13557.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	1.1
10°-20°	492.9	3.6
20°-30°	877.5	6.5
30°-40°	1278.2	9.4
40°-50°	1969.4	14.5
50°-60°	2884.2	21.3
60°-70°	3829.9	28.3
70°-80°	1805.3	13.3
80°-90°	276.0	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°	13557.3	100.0
0°-180°	13557.3	100.0



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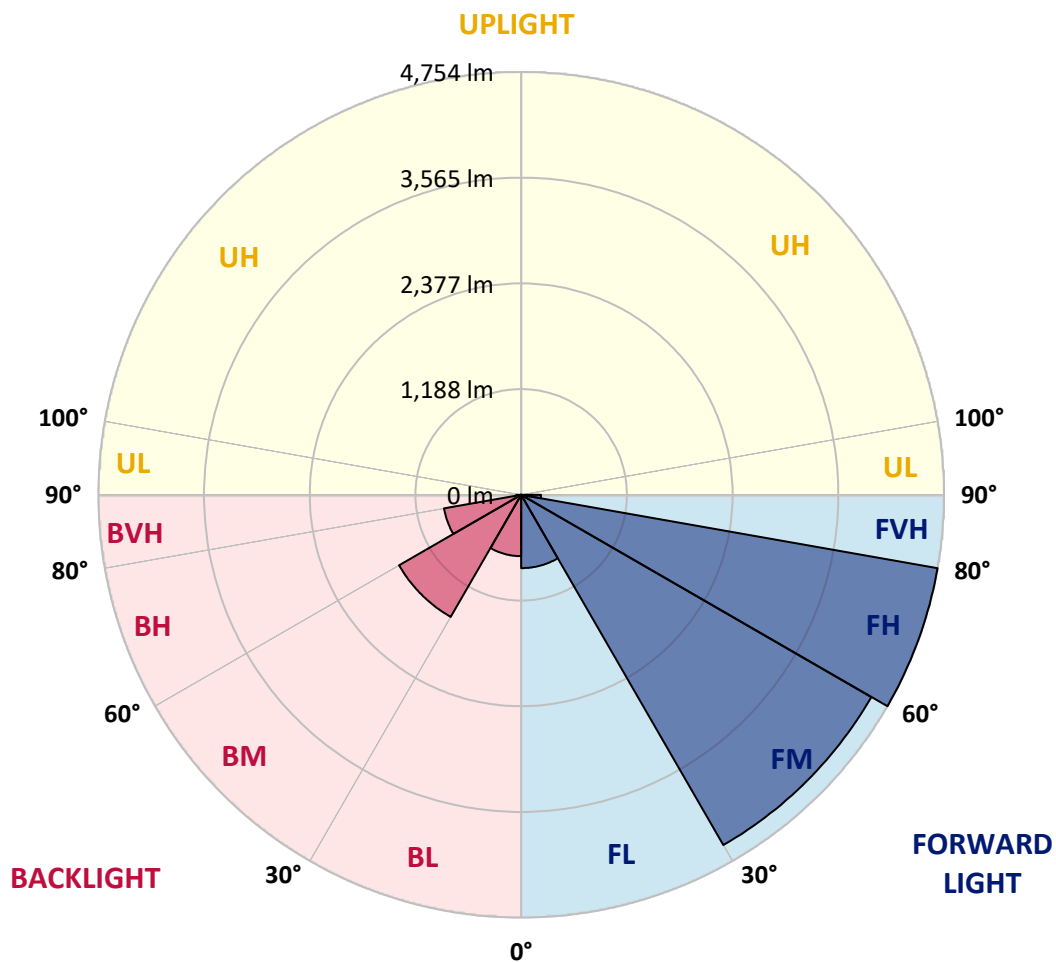
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	824.2	6.1			
FM	(30°-60°)	4546.5	33.5			
FH	(60°-80°)	4753.9	35.1			G2/5000
FVH	(80°-90°)	222.4	1.6			G2/225
BL	(0°-30°)	690.1	5.1	B2/1000		
BM	(30°-60°)	1585.3	11.7	B2/2500		
BH	(60°-80°)	881.3	6.5	B2/1000		G2/1000
BVH	(80°-90°)	53.6	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°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1514.3	1507.9	1508.9	1511.6	1502.5	1497.9	1487.8	1481.5	1480.5	1479.6	1476.0
5°	1602.9	1596.5	1599.3	1592.0	1574.6	1562.7	1541.7	1530.8	1528.9	1527.1	1522.6
7.5°	1695.2	1687.0	1677.8	1669.6	1650.4	1631.2	1603.8	1587.4	1585.6	1582.8	1580.1
10°	1804.8	1792.9	1785.6	1760.0	1727.1	1700.7	1673.3	1655.9	1655.0	1652.3	1646.8
12.5°	1928.1	1915.3	1901.6	1867.8	1816.7	1777.4	1745.4	1735.4	1727.1	1728.1	1722.6
15°	2050.5	2036.8	2018.5	1975.6	1908.0	1849.5	1808.4	1793.8	1794.7	1790.2	1792.9
17.5°	2153.7	2141.8	2115.3	2060.5	1982.0	1901.6	1849.5	1843.1	1845.0	1844.1	1846.8
20°	2221.3	2214.0	2173.8	2108.0	2019.4	1930.8	1877.8	1877.8	1878.8	1882.4	1888.8
22.5°	2262.4	2251.4	2198.4	2106.2	2018.5	1944.5	1903.4	1912.6	1918.0	1920.8	1930.8
25°	2285.2	2271.5	2199.3	2077.0	1987.5	1954.6	1941.8	1964.6	1973.8	1978.3	1994.8
27.5°	2285.2	2268.8	2187.5	2040.4	1951.8	1984.7	2014.9	2054.1	2060.5	2074.2	2093.4
30°	2259.6	2246.8	2169.2	2013.0	1942.7	2041.3	2132.7	2177.4	2193.0	2208.5	2233.1
32.5°	2232.2	2221.3	2160.1	2027.6	1993.8	2160.1	2312.6	2373.8	2382.9	2395.7	2421.3
35°	2230.4	2226.7	2200.3	2120.8	2148.2	2377.5	2583.9	2625.9	2651.5	2657.8	2668.8
37.5°	2249.6	2256.9	2279.7	2271.5	2370.1	2700.8	2939.2	3023.2	3043.3	3032.3	3042.4
40°	2294.3	2312.6	2397.5	2502.6	2709.0	3091.7	3423.2	3520.1	3542.0	3535.6	3532.8
42.5°	2435.9	2460.6	2585.7	2810.4	3061.6	3496.3	3872.6	3976.7	3984.0	3987.7	3963.9
45°	2657.8	2671.5	2837.8	3124.6	3443.3	3932.0	4321.1	4437.1	4432.5	4414.2	4396.9
47.5°	2909.9	2938.2	3137.4	3484.4	3837.9	4334.8	4775.0	4888.3	4898.3	4881.9	4849.9
50°	3139.2	3161.1	3385.8	3797.7	4185.9	4670.0	5157.7	5271.9	5270.0	5279.2	5288.3
52.5°	3320.0	3340.1	3553.8	4006.9	4441.6	4951.3	5446.3	5587.0	5608.9	5623.5	5641.8
55°	3413.2	3434.2	3631.5	4093.6	4596.9	5226.2	5779.7	5981.5	6019.0	6051.9	6082.0
57.5°	3415.0	3442.4	3623.3	4087.2	4677.3	5471.9	6220.8	6583.4	6636.4	6720.4	6823.6
60°	3359.3	3397.7	3560.2	4027.9	4769.5	5783.3	6947.9	7642.0	7746.1	7893.2	8025.6
62.5°	3214.1	3252.4	3397.7	3877.2	4877.3	6182.5	7998.2	9015.7	9237.6	9400.2	9662.3
65°	2984.8	3021.4	3143.8	3627.8	4791.4	6497.6	8781.0	10001.2	10227.7	10431.4	10739.2
67°	2780.2	2783.9	2887.1	3341.9	4457.1	6399.8	8938.0	10132.7	10341.9	10548.3	10905.4
67.5°	2708.1	2728.2	2808.6	3247.0	4330.2	6327.7	8875.9	10061.5	10264.2	10484.3	10848.8
70°	2189.3	2194.8	2272.4	2590.3	3436.0	5246.3	7972.6	9152.7	9291.5	9613.9	9972.0
72.5°	1335.3	1326.2	1350.8	1586.5	2261.5	3633.3	6383.4	7535.1	7725.1	8000.0	8242.1
75°	735.2	779.1	809.2	972.7	1270.5	2136.3	4346.6	5451.8	5730.4	5893.8	5942.3
77.5°	449.4	445.7	459.4	627.5	1042.1	1461.4	2401.2	3198.6	3353.8	3400.4	3220.5
80°	213.7	221.9	219.2	258.5	505.1	1233.0	1678.7	2054.1	2132.7	2177.4	2235.9
82.5°	116.9	121.5	137.9	154.4	199.1	530.7	1448.6	1894.3	1947.3	2024.0	2109.8
85°	73.1	76.7	105.9	111.4	122.4	163.5	603.7	1107.0	1151.7	1304.3	1352.7
87.5°	30.1	32.9	57.5	52.1	62.1	57.5	182.7	281.3	298.7	317.8	352.6
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):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1476.9	1476.0	1472.3	1471.4	1473.2	1473.2	1471.4	1468.7	1467.8	1466.8	1465.0
5°	1520.7	1518.9	1516.2	1514.3	1513.4	1513.4	1510.7	1507.9	1505.2	1501.5	1500.6
7.5°	1572.8	1572.8	1571.9	1569.1	1566.4	1562.7	1560.0	1557.3	1554.5	1552.7	1550.0
10°	1641.3	1644.9	1638.6	1636.7	1635.8	1630.3	1629.4	1626.7	1624.9	1620.3	1620.3
12.5°	1722.6	1718.9	1718.0	1714.4	1714.4	1711.6	1710.7	1709.8	1708.0	1704.3	1703.4
15°	1790.2	1790.2	1789.3	1787.4	1789.3	1787.4	1784.7	1786.5	1783.8	1784.7	1781.9
17.5°	1845.0	1848.6	1847.7	1848.6	1847.7	1847.7	1849.5	1849.5	1851.4	1847.7	1848.6
20°	1890.6	1896.1	1898.9	1897.0	1898.9	1899.8	1904.3	1906.2	1908.9	1910.7	1910.7
22.5°	1938.1	1945.4	1950.9	1950.9	1954.6	1958.2	1966.4	1968.3	1974.7	1973.8	1978.3
25°	2004.8	2016.7	2020.3	2025.8	2030.4	2036.8	2046.8	2051.4	2054.1	2060.5	2067.8
27.5°	2107.1	2121.7	2124.5	2130.8	2142.7	2146.4	2157.3	2161.9	2171.9	2185.6	2188.4
30°	2246.8	2265.1	2266.0	2273.3	2287.0	2291.6	2300.7	2312.6	2320.8	2334.5	2335.4
32.5°	2436.8	2455.1	2452.3	2466.0	2465.1	2478.8	2476.1	2494.4	2501.7	2509.0	2529.1
35°	2689.8	2688.0	2701.7	2706.3	2703.5	2714.5	2712.7	2720.9	2728.2	2728.2	2750.1
37.5°	3054.2	3051.5	3049.7	3030.5	3025.9	3026.8	3023.2	3030.5	3018.6	3018.6	3042.4
40°	3542.9	3526.4	3513.7	3500.9	3488.1	3470.7	3456.1	3452.5	3432.4	3431.5	3422.3
42.5°	3967.6	3952.1	3942.9	3918.3	3905.5	3902.7	3867.1	3857.1	3851.6	3855.3	3846.1
45°	4413.3	4396.9	4362.2	4351.2	4347.5	4328.4	4322.9	4298.2	4290.9	4303.7	4299.1
47.5°	4872.7	4849.0	4829.8	4817.0	4812.4	4796.0	4772.3	4792.3	4782.3	4775.0	4761.3
50°	5285.6	5259.1	5259.1	5236.2	5239.9	5228.9	5204.3	5209.8	5181.4	5192.4	5185.1
52.5°	5631.7	5633.5	5642.7	5617.1	5621.7	5621.7	5613.5	5587.0	5594.3	5590.6	5608.0
55°	6072.0	6102.1	6085.7	6090.2	6095.7	6121.3	6139.5	6124.0	6098.4	6118.5	6174.2
57.5°	6841.9	6869.3	6885.7	6898.5	6919.5	6931.4	7030.1	7043.8	7014.5	7074.8	7199.0
60°	8180.9	8213.8	8263.1	8327.9	8341.6	8424.7	8475.9	8536.2	8558.1	8610.2	8743.5
62.5°	9791.1	9865.1	9874.2	9956.4	10020.4	9942.7	9962.8	10036.8	9952.8	10067.9	10073.3
65°	10845.1	10952.9	10956.6	10986.7	11010.4	10937.4	10904.5	10871.6	10792.1	10787.6	10867.0
67°	11026.0	11124.6	11165.7	11180.3	11176.7	11139.2	11085.3	10990.3	10913.6	10869.8	10902.7
67.5°	10974.8	11071.6	11129.2	11142.9	11143.8	11107.3	11057.9	10954.7	10882.6	10833.2	10868.0
70°	10134.5	10361.0	10459.7	10408.5	10437.8	10437.8	10435.9	10341.0	10305.3	10257.8	10239.6
72.5°	8426.6	8583.7	8708.8	8642.1	8650.3	8712.4	8697.8	8707.9	8605.6	8594.6	8425.7
75°	6036.3	6086.6	6044.6	6092.0	5836.3	5745.0	5589.7	5363.2	5303.8	5209.8	4928.4
77.5°	3206.8	3150.1	3037.8	3028.7	2923.6	2842.3	2741.9	2676.1	2509.9	2417.6	2206.7
80°	2265.1	2292.5	2335.4	2361.0	2384.8	2403.0	2365.6	2260.5	2121.7	1966.4	1819.4
82.5°	2163.7	2201.2	2226.7	2239.5	2230.4	2201.2	2115.3	2014.9	1829.4	1695.2	1536.3
85°	1364.5	1394.7	1342.6	1331.7	1354.5	1170.0	1068.6	986.4	799.2	743.5	656.7
87.5°	366.3	386.3	387.3	375.4	368.1	324.2	286.8	253.9	210.1	197.3	159.8
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1465.0	1464.1	1464.1	1461.4	1459.5	1458.6	1457.7	1455.0	1453.1	1453.1	1452.2
5°	1499.7	1497.9	1495.2	1494.2	1490.6	1488.8	1485.1	1483.3	1480.5	1478.7	1477.8
7.5°	1549.0	1544.5	1539.0	1539.9	1534.4	1531.7	1529.9	1526.2	1523.5	1520.7	1519.8
10°	1614.8	1613.9	1608.4	1610.2	1600.2	1604.8	1595.6	1596.5	1591.1	1585.6	1584.7
12.5°	1698.8	1697.9	1692.4	1686.0	1684.2	1685.1	1679.7	1680.6	1674.2	1672.3	1670.5
15°	1779.2	1777.4	1774.6	1770.1	1767.3	1766.4	1764.6	1762.8	1757.3	1757.3	1750.9
17.5°	1848.6	1849.5	1845.9	1842.2	1840.4	1837.7	1836.7	1836.7	1832.2	1827.6	1828.5
20°	1909.8	1911.6	1911.6	1908.9	1909.8	1908.0	1907.1	1908.9	1904.3	1902.5	1899.8
22.5°	1978.3	1978.3	1979.2	1981.1	1983.8	1984.7	1984.7	1982.9	1980.1	1979.2	1973.8
25°	2073.3	2069.7	2074.2	2076.0	2076.0	2080.6	2078.8	2079.7	2080.6	2077.9	2075.1
27.5°	2193.0	2189.3	2198.4	2204.8	2203.9	2206.7	2212.1	2205.7	2209.4	2212.1	2205.7
30°	2340.0	2349.1	2355.5	2360.1	2358.3	2366.5	2369.2	2368.3	2365.6	2370.1	2370.1
32.5°	2527.2	2522.7	2539.1	2549.2	2550.1	2548.2	2552.8	2558.3	2553.7	2561.0	2557.4
35°	2750.1	2752.8	2756.5	2767.5	2772.0	2764.7	2772.0	2778.4	2776.6	2777.5	2781.2
37.5°	3037.8	3042.4	3038.7	3039.6	3037.8	3072.5	3078.0	3083.5	3077.1	3071.6	3088.0
40°	3436.9	3436.9	3436.0	3447.9	3427.8	3449.7	3443.3	3458.9	3475.3	3466.2	3490.8
42.5°	3829.7	3851.6	3853.4	3836.1	3850.7	3874.4	3874.4	3884.5	3899.1	3884.5	3908.2
45°	4280.0	4307.4	4302.8	4332.0	4310.1	4337.5	4342.1	4329.3	4361.2	4364.9	4355.8
47.5°	4771.3	4776.8	4777.7	4787.8	4792.3	4814.3	4813.4	4837.1	4829.8	4793.3	4806.0
50°	5192.4	5206.1	5213.4	5219.8	5242.6	5258.2	5279.2	5282.8	5277.3	5266.4	5256.3
52.5°	5613.5	5646.3	5667.3	5724.0	5759.6	5787.9	5822.6	5835.4	5829.0	5826.3	5786.1
55°	6177.0	6255.5	6377.0	6455.6	6541.4	6591.6	6631.8	6651.9	6637.3	6644.6	6561.5
57.5°	7238.3	7422.8	7528.7	7663.0	7814.6	7877.6	7895.0	7966.2	7887.7	7809.1	7746.1
60°	8815.7	8985.5	9178.3	9316.2	9367.3	9541.8	9459.6	9367.3	9283.3	9120.7	8937.1
62.5°	10239.6	10458.8	10557.4	10686.2	10651.5	10636.9	10582.1	10435.0	10255.1	10013.1	9768.3
65°	10941.9	11065.2	11126.4	11168.4	11129.2	11027.8	10846.9	10629.6	10372.0	10058.7	9737.2
67°	10970.3	11026.9	11047.0	11006.8	10919.1	10761.1	10532.8	10225.0	9908.0	9549.1	9187.4
67.5°	10923.7	10961.1	10971.2	10908.1	10804.0	10633.2	10389.4	10060.6	9723.5	9350.9	8987.4
70°	10288.0	10260.6	10172.0	10085.2	9760.1	9530.8	9106.1	8755.4	8287.7	7945.2	7557.1
72.5°	8358.1	8232.9	8147.1	7763.5	7370.7	7143.3	6686.6	6267.4	5840.9	5514.8	5276.4
75°	4691.9	4600.5	4362.2	4159.4	3835.2	3538.3	3325.5	3058.8	2803.1	2651.5	2540.0
77.5°	2119.9	1858.7	1678.7	1451.3	1172.7	942.6	699.6	646.7	551.7	527.9	475.9
80°	1654.1	1466.8	1231.2	970.9	685.0	460.3	337.9	286.8	269.4	258.5	253.0
82.5°	1380.1	1137.1	957.2	679.5	434.8	292.3	220.1	199.1	186.3	177.2	169.0
85°	590.0	466.7	384.5	274.9	195.5	154.4	135.2	123.3	111.4	101.4	95.0
87.5°	137.9	105.9	96.8	82.2	77.6	76.7	75.8	72.2	67.6	62.1	55.7
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1451.3	1450.4	1448.6	1445.8	1445.8	1442.2	1430.3	1422.1	1413.0	1407.5	1402.0
5°	1476.0	1475.1	1470.5	1467.8	1465.9	1458.6	1438.5	1423.0	1406.6	1394.7	1385.6
7.5°	1517.1	1514.3	1510.7	1508.9	1503.4	1494.2	1465.0	1443.1	1419.3	1400.2	1384.6
10°	1583.7	1579.2	1573.7	1568.2	1570.0	1555.4	1521.6	1489.7	1455.0	1424.8	1403.8
12.5°	1665.0	1665.0	1662.3	1658.6	1652.3	1635.8	1590.1	1552.7	1510.7	1473.2	1457.7
15°	1750.9	1746.3	1741.8	1736.3	1735.4	1713.4	1672.3	1629.4	1585.6	1553.6	1535.3
17.5°	1821.2	1823.0	1816.7	1814.8	1813.0	1791.1	1747.2	1708.9	1676.9	1643.1	1613.9
20°	1896.1	1892.5	1890.6	1887.9	1887.0	1868.7	1834.0	1810.3	1781.9	1730.8	1654.1
22.5°	1976.5	1971.9	1973.8	1968.3	1967.4	1954.6	1929.0	1921.7	1879.7	1771.9	1638.6
25°	2080.6	2072.4	2075.1	2075.1	2076.0	2064.2	2061.4	2048.6	1942.7	1761.9	1576.4
27.5°	2204.8	2208.5	2208.5	2207.6	2201.2	2204.8	2217.6	2173.8	1964.6	1708.9	1483.3
30°	2366.5	2368.3	2370.1	2376.5	2362.8	2386.6	2402.1	2262.4	1948.2	1635.8	1366.4
32.5°	2562.9	2555.6	2559.2	2562.9	2567.4	2592.1	2583.0	2307.1	1899.8	1536.3	1221.1
35°	2779.3	2793.0	2796.7	2804.9	2814.0	2851.5	2746.4	2316.3	1825.8	1402.9	1035.7
37.5°	3101.7	3123.7	3123.7	3152.9	3135.5	3181.2	2892.6	2294.3	1713.4	1217.5	826.6
40°	3508.2	3518.2	3528.3	3531.9	3522.8	3517.3	2988.5	2240.4	1555.4	984.6	604.6
42.5°	3922.8	3919.2	3920.1	3926.5	3901.8	3798.6	3047.9	2146.4	1359.1	735.2	433.8
45°	4369.5	4353.9	4349.4	4336.6	4314.7	4097.3	3081.6	2013.9	1100.6	517.0	340.7
47.5°	4804.2	4785.0	4755.8	4720.2	4678.2	4337.5	3078.0	1842.2	843.9	369.9	300.5
50°	5249.9	5216.1	5153.1	5118.4	5047.2	4575.9	3057.0	1651.3	607.4	306.0	281.3
52.5°	5759.6	5699.3	5640.9	5571.4	5453.6	4869.1	3025.0	1436.7	443.0	280.4	268.5
55°	6519.5	6420.9	6325.0	6180.6	6066.5	5261.8	2971.1	1205.6	349.8	270.4	261.2
57.5°	7567.1	7399.1	7277.6	7083.0	6900.4	5805.3	2913.6	995.6	312.4	267.6	257.6
60°	8746.2	8493.2	8266.7	8027.4	7819.2	6483.9	2883.4	831.1	304.1	270.4	258.5
62.5°	9486.1	9187.4	8904.3	8612.0	8312.4	6808.1	2752.8	717.9	307.8	282.2	265.8
65°	9392.9	9063.2	8755.4	8399.2	8116.9	6502.1	2420.4	607.4	314.2	303.2	285.9
67°	8764.5	8444.8	8094.1	7745.2	7471.2	5920.3	2043.2	511.5	321.5	327.0	307.8
67.5°	8596.5	8236.6	7883.1	7562.5	7265.7	5740.4	1944.5	487.7	323.3	333.4	315.1
70°	7168.9	6883.9	6470.2	6232.7	6018.1	4653.5	1450.4	379.0	328.8	361.7	349.8
72.5°	5016.1	4740.3	4523.8	4394.1	4269.0	3381.2	1020.2	302.3	320.6	377.2	365.3
75°	2533.6	2470.6	2394.8	2352.8	2354.6	1965.5	614.7	257.6	301.4	361.7	331.5
77.5°	500.5	487.7	493.2	539.8	531.6	605.6	305.1	218.3	256.7	278.6	238.4
80°	242.0	233.8	226.5	224.7	220.1	211.0	191.8	181.8	208.2	183.6	158.0
82.5°	157.1	148.0	144.3	137.0	137.9	149.8	167.1	174.4	169.0	127.0	106.9
85°	88.6	87.7	85.9	87.7	91.3	119.6	179.0	163.5	136.1	89.5	80.4
87.5°	53.0	50.2	51.1	52.1	53.9	88.6	141.6	117.8	86.8	46.6	47.5
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):

	155°	165°	175°	180°
0°	1442.2	1442.2	1442.2	1442.2
2.5°	1401.1	1397.4	1397.4	1396.5
5°	1378.2	1372.8	1371.9	1371.9
7.5°	1374.6	1367.3	1366.4	1363.6
10°	1391.0	1388.3	1389.2	1386.5
12.5°	1443.1	1446.7	1450.4	1450.4
15°	1522.6	1519.8	1524.4	1519.8
17.5°	1581.0	1557.3	1551.8	1549.0
20°	1582.8	1533.5	1517.1	1514.3
22.5°	1526.2	1453.1	1425.7	1421.2
25°	1430.3	1338.1	1303.4	1299.7
27.5°	1309.7	1206.5	1155.4	1153.6
30°	1164.5	1042.1	977.3	967.2
32.5°	987.3	842.1	773.6	751.7
35°	782.7	633.9	569.9	568.1
37.5°	584.5	468.5	427.4	425.6
40°	428.4	368.1	352.6	349.8
42.5°	349.8	325.2	318.8	316.0
45°	313.3	303.2	299.6	296.8
47.5°	291.4	285.0	282.2	282.2
50°	274.0	272.2	270.4	270.4
52.5°	262.1	261.2	259.4	258.5
55°	252.1	248.4	249.3	248.4
57.5°	245.7	240.2	240.2	240.2
60°	242.0	232.0	232.0	232.9
62.5°	243.0	227.4	226.5	226.5
65°	250.3	224.7	219.2	220.1
67°	259.4	221.9	211.0	210.1
67.5°	262.1	220.1	208.2	207.3
70°	273.1	214.6	194.5	192.7
72.5°	274.9	206.4	180.8	179.0
75°	255.7	195.5	169.9	165.3
77.5°	199.1	168.1	153.4	153.4
80°	139.7	128.8	109.6	108.7
82.5°	102.3	96.8	80.4	78.5
85°	74.9	70.3	59.4	59.4
87.5°	46.6	44.8	38.4	36.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)