

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: P145168

Luminaire Tested: **LDRL-SL3-E06-E-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145168
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-E06-E-8030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15033.3 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 150.5
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

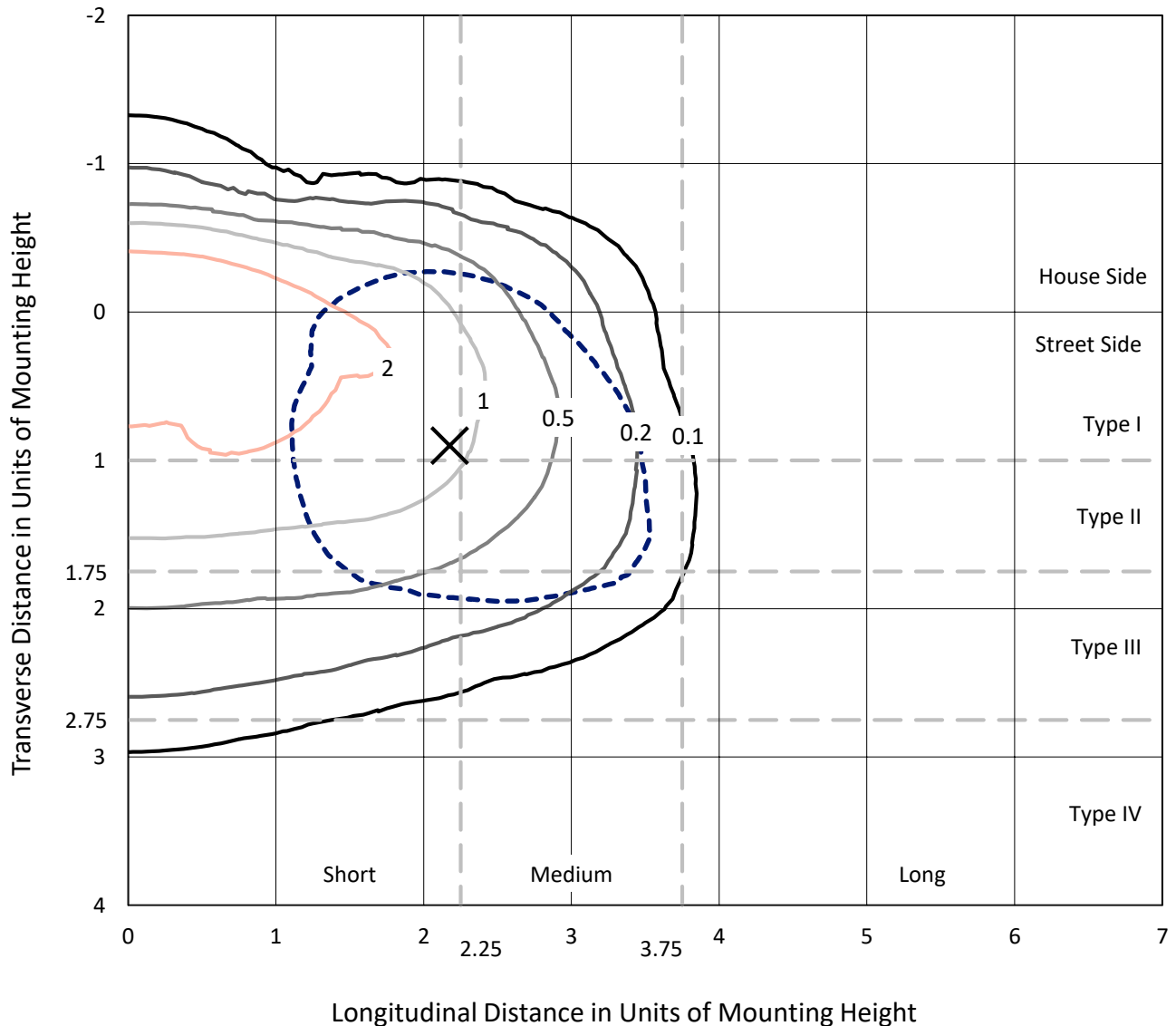


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Iso-Footcandle Lines of Horizontal Illumination

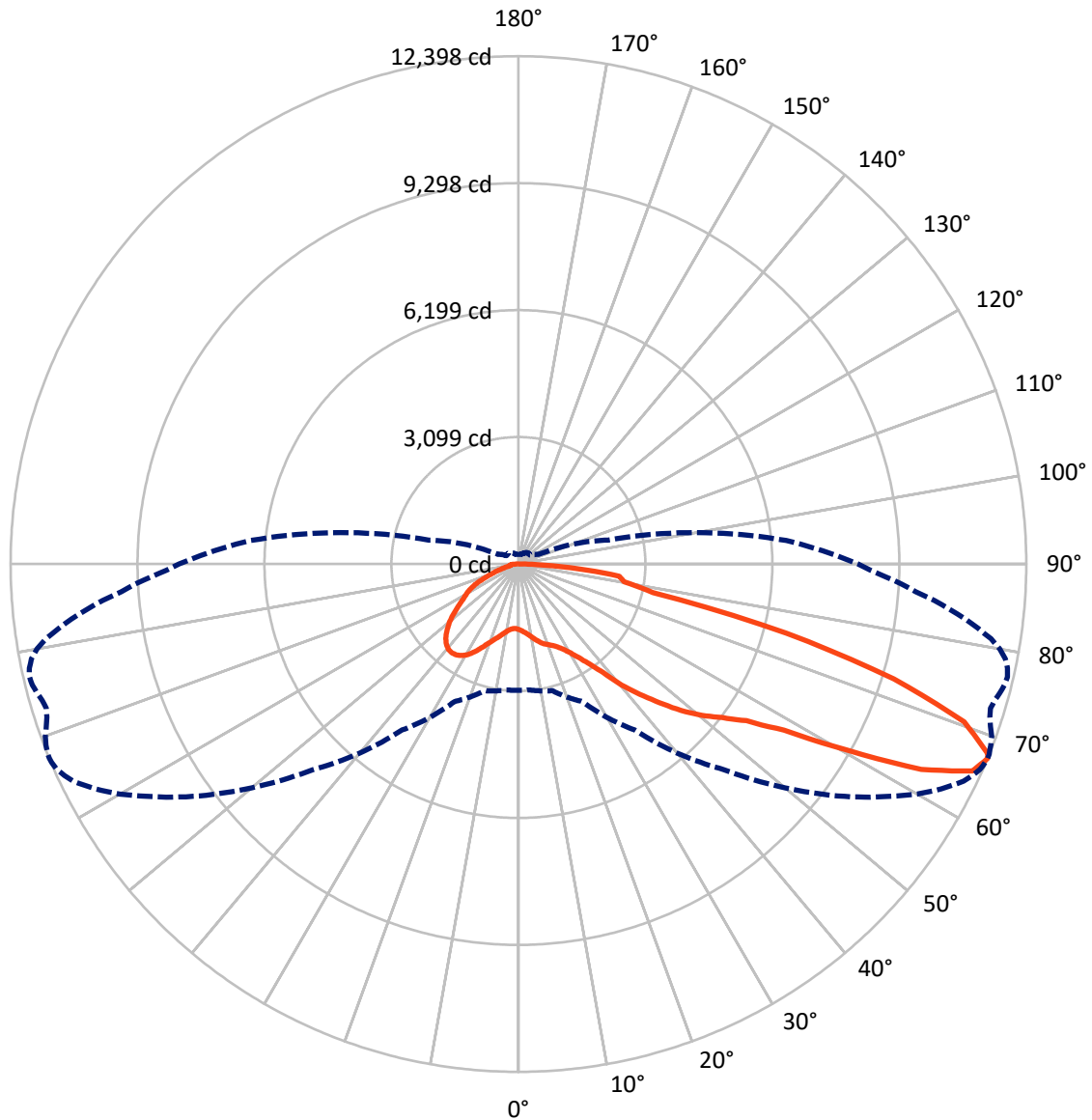
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	3559.8	0.0	3559.8
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	11473.5	0.0	11473.5
	% Fixture	76.3	0.0	76.3
Total	Lumens	15033.3	0.0	15033.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.6	1.1
10°-20°	546.6	3.6
20°-30°	973.0	6.5
30°-40°	1417.3	9.4
40°-50°	2183.8	14.5
50°-60°	3198.2	21.3
60°-70°	4246.9	28.2
70°-80°	2001.9	13.3
80°-90°	306.0	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°	15033.3	100.0
0°-180°	15033.3	100.0



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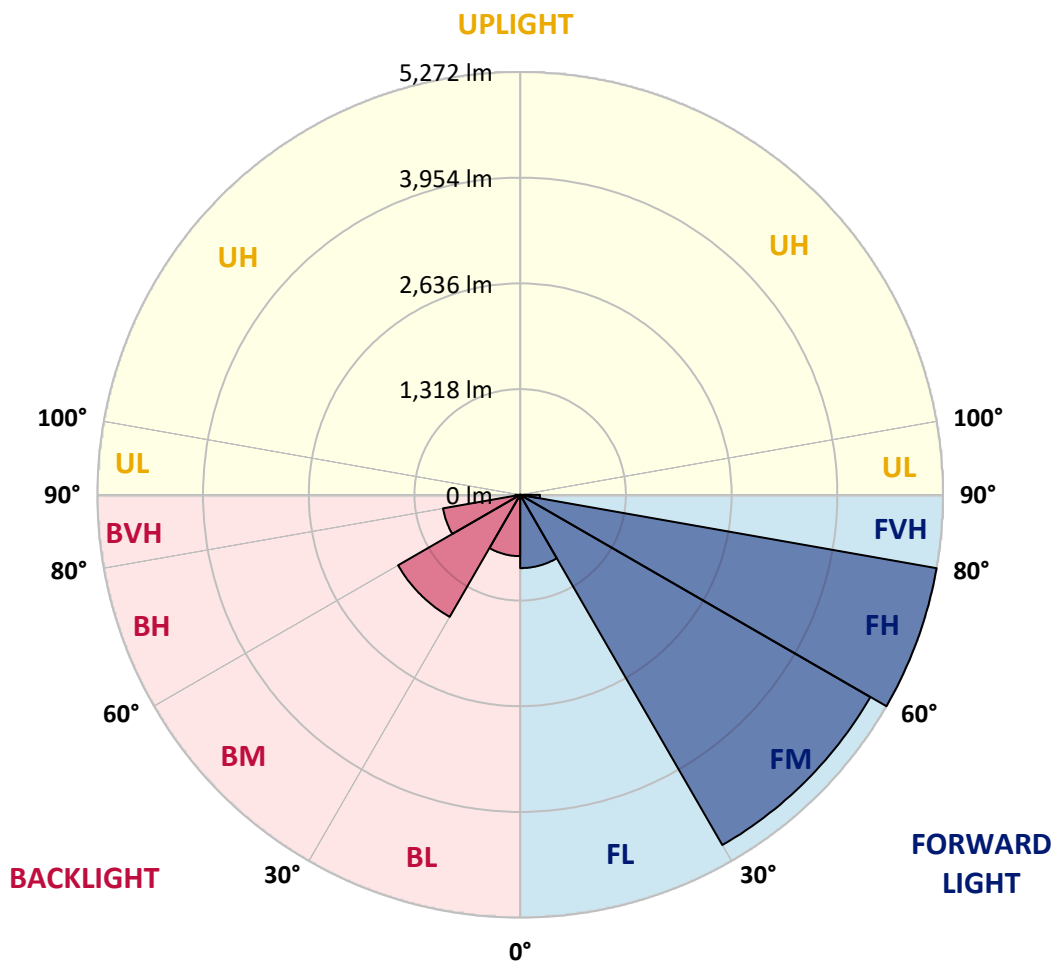
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	913.9	6.1			
FM	(30°-60°)	5041.5	33.5			
FH	(60°-80°)	5271.5	35.1			G3/7500
FVH	(80°-90°)	246.6	1.6			G3/500
BL	(0°-30°)	765.3	5.1	B2/1000		
BM	(30°-60°)	1757.9	11.7	B2/2500		
BH	(60°-80°)	977.3	6.5	B2/1000		G2/1000
BVH	(80°-90°)	59.4	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2
2.5°	1679.2	1672.1	1673.1	1676.2	1666.0	1661.0	1649.8	1642.7	1641.7	1640.7	1636.7
5°	1777.4	1770.4	1773.4	1765.3	1746.0	1732.9	1709.6	1697.4	1695.4	1693.4	1688.3
7.5°	1879.7	1870.6	1860.5	1851.4	1830.1	1808.8	1778.5	1760.2	1758.2	1755.2	1752.1
10°	2001.3	1988.1	1980.0	1951.6	1915.2	1885.8	1855.4	1836.2	1835.2	1832.1	1826.1
12.5°	2138.0	2123.8	2108.6	2071.2	2014.4	1970.9	1935.4	1924.3	1915.2	1916.2	1910.1
15°	2273.7	2258.5	2238.3	2190.7	2115.7	2050.9	2005.3	1989.1	1990.1	1985.1	1988.1
17.5°	2388.2	2375.0	2345.6	2284.9	2197.8	2108.6	2050.9	2043.8	2045.8	2044.8	2047.9
20°	2463.1	2455.0	2410.4	2337.5	2239.3	2141.0	2082.3	2082.3	2083.3	2087.4	2094.4
22.5°	2508.7	2496.5	2437.8	2335.5	2238.3	2156.2	2110.7	2120.8	2126.9	2129.9	2141.0
25°	2534.0	2518.8	2438.8	2303.1	2203.8	2167.4	2153.2	2178.5	2188.6	2193.7	2211.9
27.5°	2534.0	2515.8	2425.6	2262.6	2164.3	2200.8	2234.2	2277.8	2284.9	2300.0	2321.3
30°	2505.6	2491.5	2405.4	2232.2	2154.2	2263.6	2364.9	2414.5	2431.7	2448.9	2476.3
32.5°	2475.3	2463.1	2395.2	2248.4	2210.9	2395.2	2564.4	2632.2	2642.4	2656.5	2684.9
35°	2473.2	2469.2	2439.8	2351.7	2382.1	2636.3	2865.2	2911.8	2940.1	2947.2	2959.4
37.5°	2494.5	2502.6	2527.9	2518.8	2628.2	2994.8	3259.2	3352.3	3374.6	3362.5	3373.6
40°	2544.1	2564.4	2658.6	2775.0	3003.9	3428.3	3795.9	3903.3	3927.6	3920.5	3917.5
42.5°	2701.1	2728.5	2867.2	3116.4	3394.9	3877.0	4294.2	4409.7	4417.8	4421.8	4395.5
45°	2947.2	2962.4	3146.7	3464.8	3818.2	4360.1	4791.5	4920.1	4915.1	4894.8	4875.6
47.5°	3226.7	3258.1	3478.9	3863.8	4255.7	4806.7	5294.9	5420.4	5431.6	5413.4	5377.9
50°	3481.0	3505.3	3754.4	4211.2	4641.6	5178.4	5719.2	5845.8	5843.8	5853.9	5864.0
52.5°	3681.5	3703.8	3940.8	4443.1	4925.2	5490.3	6039.3	6195.2	6219.5	6235.7	6256.0
55°	3784.8	3808.1	4026.8	4539.3	5097.4	5795.2	6408.9	6632.8	6674.3	6710.7	6744.2
57.5°	3786.8	3817.2	4017.7	4532.2	5186.5	6067.6	6898.1	7300.2	7358.9	7452.1	7566.5
60°	3725.0	3767.6	3947.9	4466.4	5288.8	6413.0	7704.3	8474.0	8589.5	8752.5	8899.4
62.5°	3564.0	3606.5	3767.6	4299.3	5408.3	6855.6	8869.0	9997.2	10243.3	10423.6	10714.3
65°	3309.8	3350.3	3486.0	4022.8	5313.1	7205.0	9737.0	11090.0	11341.2	11567.1	11908.4
67°	3082.9	3087.0	3201.4	3705.8	4942.4	7096.6	9911.2	11235.9	11467.8	11696.7	12092.7
67.5°	3002.9	3025.2	3114.3	3600.5	4801.6	7016.6	9842.3	11156.9	11381.7	11625.8	12029.9
70°	2427.7	2433.7	2519.8	2872.3	3810.1	5817.5	8840.6	10149.2	10303.1	10660.6	11057.6
72.5°	1480.7	1470.6	1497.9	1759.2	2507.7	4028.9	7078.4	8355.5	8566.2	8871.0	9139.4
75°	815.3	863.9	897.3	1078.6	1408.8	2368.9	4819.9	6045.3	6354.2	6535.5	6589.2
77.5°	498.3	494.2	509.4	695.8	1155.6	1620.5	2662.6	3546.8	3719.0	3770.6	3571.1
80°	237.0	246.1	243.1	286.6	560.1	1367.3	1861.5	2277.8	2364.9	2414.5	2479.3
82.5°	129.6	134.7	152.9	171.2	220.8	588.4	1606.3	2100.5	2159.3	2244.3	2339.5
85°	81.0	85.1	117.5	123.6	135.7	181.3	669.5	1227.5	1277.1	1446.3	1499.9
87.5°	33.4	36.5	63.8	57.7	68.9	63.8	202.6	311.9	331.2	352.5	390.9
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):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2
2.5°	1637.7	1636.7	1632.6	1631.6	1633.6	1633.6	1631.6	1628.6	1627.6	1626.5	1624.5
5°	1686.3	1684.3	1681.2	1679.2	1678.2	1678.2	1675.2	1672.1	1669.1	1665.0	1664.0
7.5°	1744.0	1744.0	1743.0	1740.0	1736.9	1732.9	1729.8	1726.8	1723.8	1721.7	1718.7
10°	1820.0	1824.0	1816.9	1814.9	1813.9	1807.8	1806.8	1803.8	1801.8	1796.7	1796.7
12.5°	1910.1	1906.1	1905.1	1901.0	1901.0	1898.0	1897.0	1895.9	1893.9	1889.9	1888.9
15°	1985.1	1985.1	1984.1	1982.0	1984.1	1982.0	1979.0	1981.0	1978.0	1979.0	1976.0
17.5°	2045.8	2049.9	2048.9	2049.9	2048.9	2048.9	2050.9	2050.9	2052.9	2048.9	2049.9
20°	2096.5	2102.6	2105.6	2103.6	2105.6	2106.6	2111.7	2113.7	2116.7	2118.8	2118.8
22.5°	2149.1	2157.2	2163.3	2163.3	2167.4	2171.4	2180.5	2182.6	2189.7	2188.6	2193.7
25°	2223.1	2236.2	2240.3	2246.4	2251.4	2258.5	2269.7	2274.7	2277.8	2284.9	2293.0
27.5°	2336.5	2352.7	2355.7	2362.8	2376.0	2380.1	2392.2	2397.3	2408.4	2423.6	2426.6
30°	2491.5	2511.7	2512.7	2520.8	2536.0	2541.1	2551.2	2564.4	2573.5	2588.7	2589.7
32.5°	2702.1	2722.4	2719.3	2734.5	2733.5	2748.7	2745.7	2765.9	2774.0	2782.1	2804.4
35°	2982.7	2980.6	2995.8	3000.9	2997.9	3010.0	3008.0	3017.1	3025.2	3025.2	3049.5
37.5°	3386.8	3383.7	3381.7	3360.4	3355.4	3356.4	3352.3	3360.4	3347.3	3347.3	3373.6
40°	3928.6	3910.4	3896.2	3882.0	3867.8	3848.6	3832.4	3828.3	3806.1	3805.0	3794.9
42.5°	4399.6	4382.3	4372.2	4344.9	4330.7	4327.6	4288.1	4277.0	4270.9	4275.0	4264.9
45°	4893.8	4875.6	4837.1	4824.9	4820.9	4799.6	4793.5	4766.2	4758.1	4772.3	4767.2
47.5°	5403.2	5376.9	5355.6	5341.4	5336.4	5318.2	5291.8	5314.1	5303.0	5294.9	5279.7
50°	5861.0	5831.6	5831.6	5806.3	5810.4	5798.2	5770.9	5776.9	5745.6	5757.7	5749.6
52.5°	6244.9	6246.9	6257.0	6228.7	6233.7	6233.7	6224.6	6195.2	6203.3	6199.3	6218.5
55°	6733.0	6766.4	6748.2	6753.3	6759.4	6787.7	6808.0	6790.8	6762.4	6784.7	6846.5
57.5°	7586.8	7617.2	7635.4	7649.6	7672.9	7686.1	7795.4	7810.6	7778.2	7845.1	7982.8
60°	9071.6	9108.0	9162.7	9234.6	9249.8	9342.0	9398.7	9465.5	9489.8	9547.6	9695.4
62.5°	10857.1	10939.1	10949.3	11040.4	11111.3	11025.2	11047.5	11129.5	11036.4	11164.0	11170.1
65°	12025.9	12145.4	12149.4	12182.8	12209.2	12128.1	12091.7	12055.2	11967.1	11962.1	12050.2
67°	12226.4	12335.8	12381.3	12397.6	12393.5	12352.0	12292.2	12186.9	12101.8	12053.2	12089.7
67.5°	12169.7	12277.0	12340.8	12356.0	12357.0	12316.5	12261.8	12147.4	12067.4	12012.7	12051.2
70°	11237.9	11489.1	11598.5	11541.7	11574.2	11574.2	11572.1	11466.8	11427.3	11374.6	11354.4
72.5°	9344.0	9518.2	9656.9	9583.0	9592.1	9661.0	9644.8	9655.9	9542.5	9530.3	9343.0
75°	6693.5	6749.2	6702.6	6755.3	6471.7	6370.4	6198.3	5947.1	5881.3	5776.9	5465.0
77.5°	3555.9	3493.1	3368.5	3358.4	3241.9	3151.8	3040.4	2967.5	2783.1	2680.9	2446.9
80°	2511.7	2542.1	2589.7	2618.1	2644.4	2664.6	2623.1	2506.7	2352.7	2180.5	2017.5
82.5°	2399.3	2440.8	2469.2	2483.4	2473.2	2440.8	2345.6	2234.2	2028.6	1879.7	1703.5
85°	1513.1	1546.5	1488.8	1476.6	1502.0	1297.4	1185.0	1093.8	886.2	824.4	728.2
87.5°	406.1	428.4	429.4	416.3	408.2	359.5	318.0	281.6	232.9	218.8	177.2
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2
2.5°	1624.5	1623.5	1623.5	1620.5	1618.4	1617.4	1616.4	1613.4	1611.3	1611.3	1610.3
5°	1663.0	1661.0	1657.9	1656.9	1652.9	1650.8	1646.8	1644.8	1641.7	1639.7	1638.7
7.5°	1717.7	1712.6	1706.5	1707.6	1701.5	1698.4	1696.4	1692.4	1689.3	1686.3	1685.3
10°	1790.6	1789.6	1783.5	1785.5	1774.4	1779.5	1769.3	1770.4	1764.3	1758.2	1757.2
12.5°	1883.8	1882.8	1876.7	1869.6	1867.6	1868.6	1862.5	1863.5	1856.4	1854.4	1852.4
15°	1972.9	1970.9	1967.8	1962.8	1959.7	1958.7	1956.7	1954.7	1948.6	1948.6	1941.5
17.5°	2049.9	2050.9	2046.8	2042.8	2040.8	2037.7	2036.7	2036.7	2031.7	2026.6	2027.6
20°	2117.7	2119.8	2119.8	2116.7	2117.7	2115.7	2114.7	2116.7	2111.7	2109.6	2106.6
22.5°	2193.7	2193.7	2194.7	2196.7	2199.8	2200.8	2200.8	2198.8	2195.7	2194.7	2188.6
25°	2299.0	2295.0	2300.0	2302.1	2302.1	2307.1	2305.1	2306.1	2307.1	2304.1	2301.1
27.5°	2431.7	2427.7	2437.8	2444.9	2443.9	2446.9	2453.0	2445.9	2449.9	2453.0	2445.9
30°	2594.8	2604.9	2612.0	2617.0	2615.0	2624.1	2627.2	2626.2	2623.1	2628.2	2628.2
32.5°	2802.4	2797.3	2815.6	2826.7	2827.7	2825.7	2830.7	2836.8	2831.8	2839.9	2835.8
35°	3049.5	3052.5	3056.6	3068.8	3073.8	3065.7	3073.8	3080.9	3078.9	3079.9	3083.9
37.5°	3368.5	3373.6	3369.5	3370.6	3368.5	3407.0	3413.1	3419.2	3412.1	3406.0	3424.2
40°	3811.1	3811.1	3810.1	3823.3	3801.0	3825.3	3818.2	3835.4	3853.7	3843.5	3870.9
42.5°	4246.6	4270.9	4273.0	4253.7	4269.9	4296.3	4296.3	4307.4	4323.6	4307.4	4333.7
45°	4745.9	4776.3	4771.2	4803.7	4779.4	4809.7	4814.8	4800.6	4836.1	4840.1	4830.0
47.5°	5290.8	5296.9	5297.9	5309.0	5314.1	5338.4	5337.4	5363.7	5355.6	5315.1	5329.3
50°	5757.7	5772.9	5781.0	5788.1	5813.4	5830.6	5853.9	5858.0	5851.9	5839.7	5828.6
52.5°	6224.6	6261.1	6284.4	6347.1	6386.6	6418.0	6456.5	6470.7	6463.6	6460.6	6416.0
55°	6849.5	6936.6	7071.3	7158.4	7253.6	7309.3	7353.9	7376.1	7359.9	7368.0	7275.9
57.5°	8026.4	8230.9	8348.4	8497.3	8665.4	8735.3	8754.5	8833.5	8746.4	8659.3	8589.5
60°	9775.4	9963.8	10177.5	10330.4	10387.2	10580.6	10489.5	10387.2	10294.0	10113.7	9910.1
62.5°	11354.4	11597.4	11706.8	11849.6	11811.1	11794.9	11734.2	11571.1	11371.6	11103.2	10831.8
65°	12133.2	12269.9	12337.8	12384.4	12340.8	12228.4	12027.9	11786.8	11501.2	11153.8	10797.3
67°	12164.6	12227.4	12249.7	12205.1	12107.9	11932.7	11679.5	11338.2	10986.7	10588.7	10187.6
67.5°	12113.0	12154.5	12165.6	12095.7	11980.3	11790.9	11520.5	11155.9	10782.2	10368.9	9965.8
70°	11408.1	11377.7	11279.4	11183.2	10822.7	10568.5	10097.5	9708.6	9190.0	8810.3	8379.8
72.5°	9268.0	9129.3	9034.1	8608.7	8173.2	7921.0	7414.6	6949.8	6476.8	6115.2	5850.9
75°	5202.7	5101.4	4837.1	4612.2	4252.7	3923.5	3687.6	3391.8	3108.2	2940.1	2816.6
77.5°	2350.7	2061.0	1861.5	1609.3	1300.4	1045.2	775.8	717.1	611.7	585.4	527.7
80°	1834.2	1626.5	1365.2	1076.6	759.6	510.4	374.7	318.0	298.8	286.6	280.5
82.5°	1530.3	1260.9	1061.4	753.5	482.1	324.1	244.1	220.8	206.6	196.5	187.4
85°	654.3	517.5	426.4	304.8	216.7	171.2	149.9	136.7	123.6	112.4	105.3
87.5°	152.9	117.5	107.4	91.2	86.1	85.1	84.1	80.0	74.9	68.9	61.8
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2
2.5°	1609.3	1608.3	1606.3	1603.2	1603.2	1599.2	1586.0	1576.9	1566.8	1560.7	1554.6
5°	1636.7	1635.7	1630.6	1627.6	1625.5	1617.4	1595.1	1577.9	1559.7	1546.5	1536.4
7.5°	1682.2	1679.2	1675.2	1673.1	1667.1	1656.9	1624.5	1600.2	1573.9	1552.6	1535.4
10°	1756.2	1751.1	1745.0	1739.0	1741.0	1724.8	1687.3	1651.9	1613.4	1580.0	1556.7
12.5°	1846.3	1846.3	1843.3	1839.2	1832.1	1813.9	1763.3	1721.7	1675.2	1633.6	1616.4
15°	1941.5	1936.5	1931.4	1925.3	1924.3	1900.0	1854.4	1806.8	1758.2	1722.8	1702.5
17.5°	2019.5	2021.5	2014.4	2012.4	2010.4	1986.1	1937.5	1894.9	1859.5	1822.0	1789.6
20°	2102.6	2098.5	2096.5	2093.4	2092.4	2072.2	2033.7	2007.3	1976.0	1919.2	1834.2
22.5°	2191.7	2186.6	2188.6	2182.6	2181.5	2167.4	2139.0	2130.9	2084.3	1964.8	1816.9
25°	2307.1	2298.0	2301.1	2301.1	2302.1	2288.9	2285.9	2271.7	2154.2	1953.7	1748.1
27.5°	2444.9	2448.9	2448.9	2447.9	2440.8	2444.9	2459.1	2410.4	2178.5	1894.9	1644.8
30°	2624.1	2626.2	2628.2	2635.3	2620.1	2646.4	2663.6	2508.7	2160.3	1813.9	1515.1
32.5°	2841.9	2833.8	2837.8	2841.9	2847.0	2874.3	2864.2	2558.3	2106.6	1703.5	1354.1
35°	3081.9	3097.1	3101.2	3110.3	3120.4	3161.9	3045.5	2568.4	2024.6	1555.6	1148.5
37.5°	3439.4	3463.7	3463.7	3496.1	3476.9	3527.5	3207.5	2544.1	1900.0	1350.0	916.6
40°	3890.1	3901.3	3912.4	3916.5	3906.3	3900.3	3313.8	2484.4	1724.8	1091.8	670.5
42.5°	4349.9	4345.9	4346.9	4354.0	4326.6	4212.2	3379.7	2380.1	1507.0	815.3	481.1
45°	4845.2	4828.0	4822.9	4808.7	4784.4	4543.4	3417.2	2233.2	1220.4	573.2	377.8
47.5°	5327.3	5306.0	5273.6	5234.1	5187.5	4809.7	3413.1	2042.8	935.8	410.2	333.2
50°	5821.5	5784.0	5714.2	5675.7	5596.7	5074.1	3389.8	1831.1	673.5	339.3	311.9
52.5°	6386.6	6319.8	6255.0	6178.0	6047.4	5399.2	3354.4	1593.1	491.2	310.9	297.8
55°	7229.3	7119.9	7013.6	6853.5	6726.9	5834.7	3294.6	1336.9	387.9	299.8	289.7
57.5°	8391.0	8204.6	8069.9	7854.2	7651.6	6437.3	3230.8	1103.9	346.4	296.7	285.6
60°	9698.5	9417.9	9166.8	8901.4	8670.5	7189.8	3197.4	921.6	337.3	299.8	286.6
62.5°	10518.8	10187.6	9873.7	9549.6	9217.4	7549.3	3052.5	796.1	341.3	313.0	294.7
65°	10415.5	10049.9	9708.6	9313.6	9000.7	7210.0	2683.9	673.5	348.4	336.2	317.0
67°	9718.7	9364.2	8975.3	8588.5	8284.6	6564.9	2265.6	567.2	356.5	362.6	341.3
67.5°	9532.4	9133.3	8741.4	8385.9	8056.7	6365.4	2156.2	540.8	358.5	369.7	349.4
70°	7949.4	7633.4	7174.6	6911.3	6673.3	5160.2	1608.3	420.3	364.6	401.1	387.9
72.5°	5562.2	5256.4	5016.3	4872.5	4733.8	3749.3	1131.3	335.2	355.5	418.3	405.1
75°	2809.5	2739.6	2655.5	2608.9	2611.0	2179.5	681.6	285.6	334.2	401.1	367.6
77.5°	555.0	540.8	546.9	598.6	589.4	671.5	338.3	242.1	284.6	308.9	264.3
80°	268.4	259.3	251.2	249.1	244.1	234.0	212.7	201.5	230.9	203.6	175.2
82.5°	174.2	164.1	160.0	151.9	152.9	166.1	185.3	193.4	187.4	140.8	118.5
85°	98.2	97.2	95.2	97.2	101.3	132.7	198.5	181.3	150.9	99.3	89.1
87.5°	58.7	55.7	56.7	57.7	59.8	98.2	157.0	130.6	96.2	51.7	52.7
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):

	155°	165°	175°	180°
0°	1599.2	1599.2	1599.2	1599.2
2.5°	1553.6	1549.6	1549.6	1548.6
5°	1528.3	1522.2	1521.2	1521.2
7.5°	1524.2	1516.1	1515.1	1512.1
10°	1542.5	1539.4	1540.5	1537.4
12.5°	1600.2	1604.3	1608.3	1608.3
15°	1688.3	1685.3	1690.3	1685.3
17.5°	1753.1	1726.8	1720.7	1717.7
20°	1755.2	1700.5	1682.2	1679.2
22.5°	1692.4	1611.3	1581.0	1575.9
25°	1586.0	1483.7	1445.3	1441.2
27.5°	1452.3	1337.9	1281.2	1279.2
30°	1291.3	1155.6	1083.7	1072.5
32.5°	1094.8	933.8	857.8	833.5
35°	868.0	702.9	632.0	630.0
37.5°	648.2	519.6	474.0	472.0
40°	475.0	408.2	390.9	387.9
42.5°	387.9	360.6	353.5	350.4
45°	347.4	336.2	332.2	329.2
47.5°	323.1	316.0	313.0	313.0
50°	303.8	301.8	299.8	299.8
52.5°	290.7	289.7	287.6	286.6
55°	279.5	275.5	276.5	275.5
57.5°	272.4	266.4	266.4	266.4
60°	268.4	257.2	257.2	258.3
62.5°	269.4	252.2	251.2	251.2
65°	277.5	249.1	243.1	244.1
67°	287.6	246.1	234.0	232.9
67.5°	290.7	244.1	230.9	229.9
70°	302.8	238.0	215.7	213.7
72.5°	304.8	228.9	200.5	198.5
75°	283.6	216.7	188.4	183.3
77.5°	220.8	186.4	170.1	170.1
80°	155.0	142.8	121.5	120.5
82.5°	113.4	107.4	89.1	87.1
85°	83.0	78.0	65.8	65.8
87.5°	51.7	49.6	42.5	40.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)