

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: P145177

Luminaire Tested: **LDRL-SL3-F06-E-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145177
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-7060
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15088.3 lumens
Efficiency: N/A
Efficacy: 96.4 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

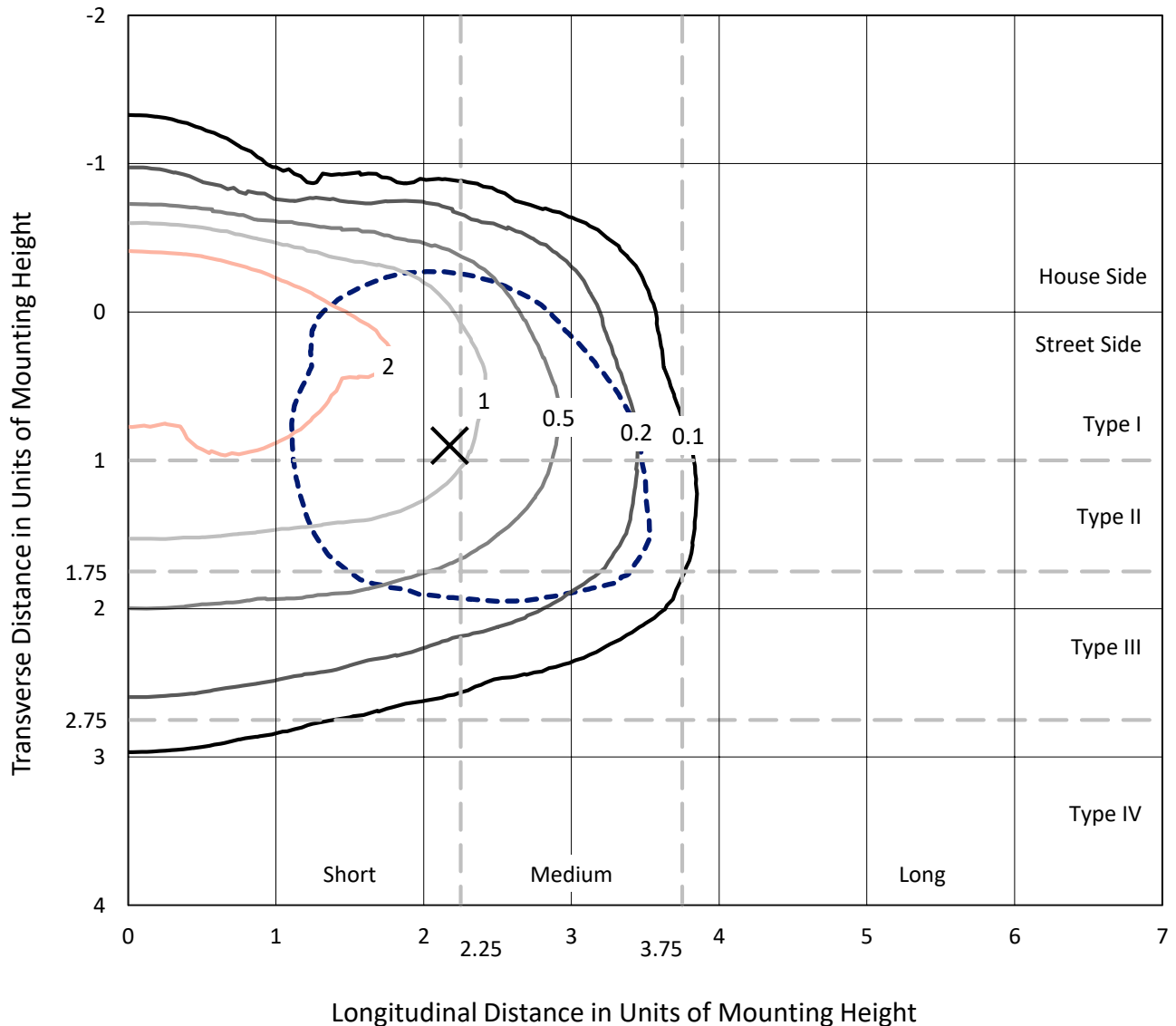
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

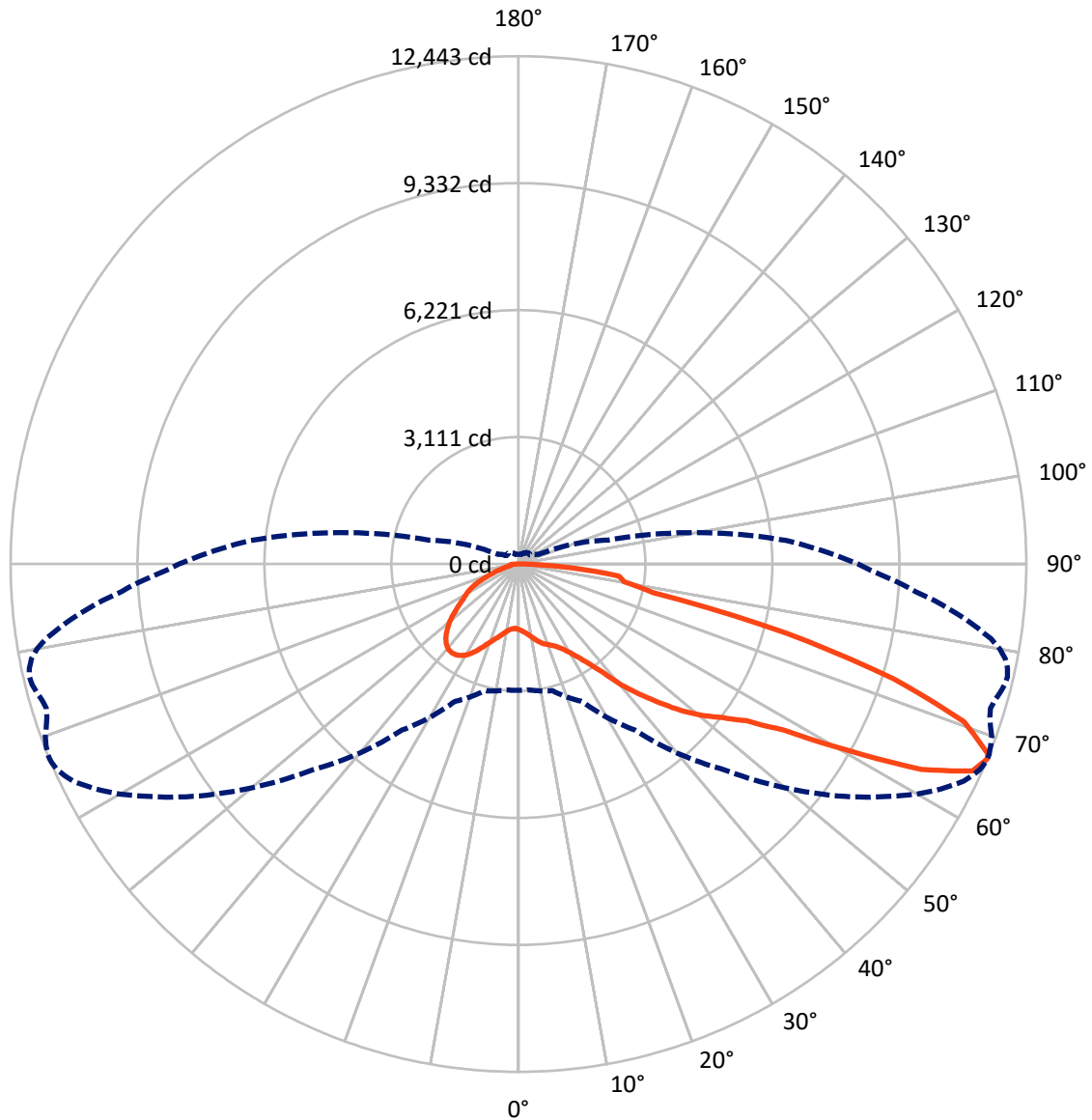
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	3572.8	0.0	3572.8
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	11515.4	0.0	11515.4
	% Fixture	76.3	0.0	76.3
Total	Lumens	15088.3	0.0	15088.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	1.1
10°-20°	548.6	3.6
20°-30°	976.5	6.5
30°-40°	1422.5	9.4
40°-50°	2191.8	14.5
50°-60°	3209.9	21.3
60°-70°	4262.4	28.3
70°-80°	2009.2	13.3
80°-90°	307.2	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°	15088.3	100.0
0°-180°	15088.3	100.0



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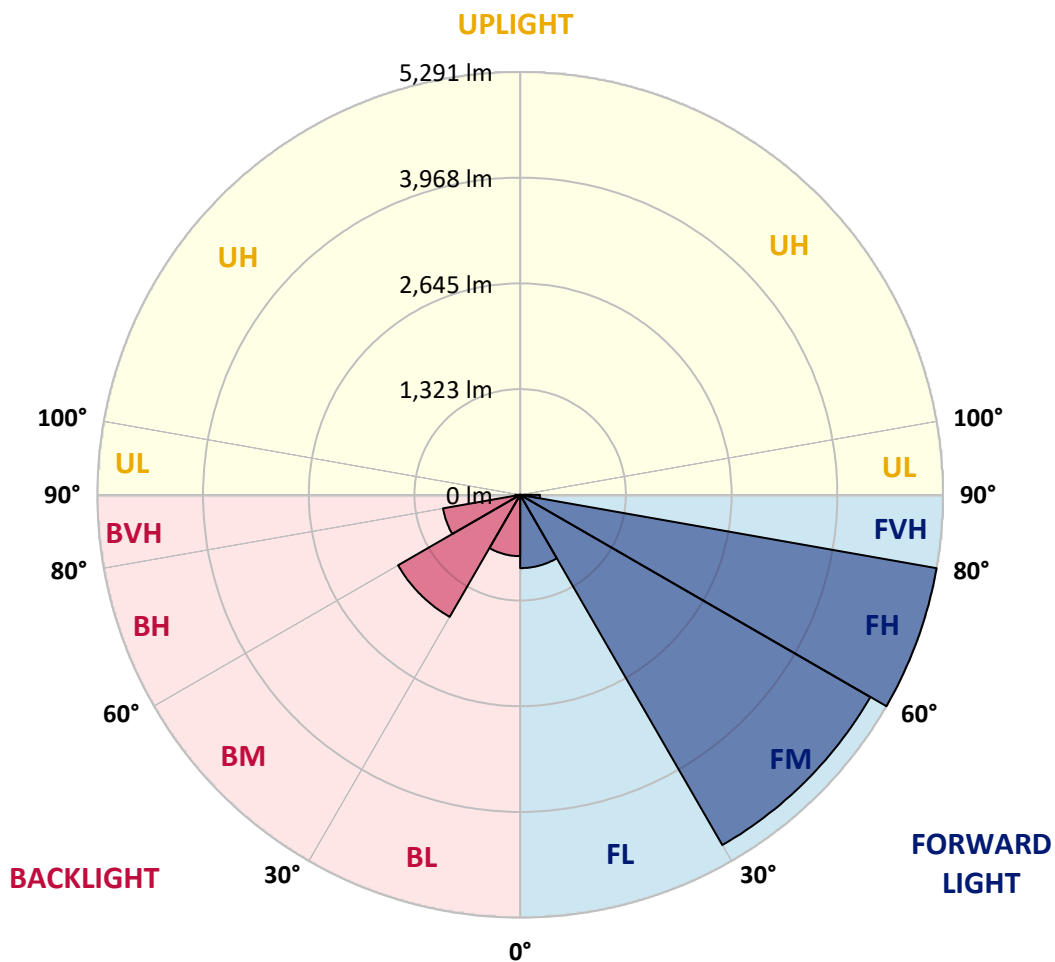
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.3	6.1			
FM (30°-60°)	5059.9	33.5			
FH (60°-80°)	5290.8	35.1			G3/7500
FVH (80°-90°)	247.5	1.6			G3/500
BL (0°-30°)	768.1	5.1	B2/1000		
BM (30°-60°)	1764.3	11.7	B2/2500		
BH (60°-80°)	980.9	6.5	B2/1000		G2/1000
BVH (80°-90°)	59.6	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0
2.5°	1685.3	1678.2	1679.2	1682.3	1672.1	1667.0	1655.9	1648.7	1647.7	1646.7	1642.6
5°	1783.9	1776.8	1779.9	1771.7	1752.4	1739.2	1715.8	1703.6	1701.6	1699.6	1694.5
7.5°	1886.6	1877.5	1867.3	1858.1	1836.8	1815.5	1785.0	1766.7	1764.6	1761.6	1758.5
10°	2008.6	1995.4	1987.2	1958.8	1922.2	1892.7	1862.2	1842.9	1841.9	1838.8	1832.7
12.5°	2145.8	2131.6	2116.3	2078.7	2021.8	1978.1	1942.5	1931.3	1922.2	1923.2	1917.1
15°	2282.0	2266.8	2246.4	2198.7	2123.4	2058.4	2012.7	1996.4	1997.4	1992.3	1995.4
17.5°	2396.9	2383.7	2354.2	2293.2	2205.8	2116.3	2058.4	2051.3	2053.3	2052.3	2055.3
20°	2472.1	2464.0	2419.2	2346.1	2247.5	2148.9	2089.9	2089.9	2090.9	2095.0	2102.1
22.5°	2517.8	2505.6	2446.7	2344.0	2246.4	2164.1	2118.4	2128.5	2134.6	2137.7	2148.9
25°	2543.3	2528.0	2447.7	2311.5	2211.9	2175.3	2161.1	2186.5	2196.6	2201.7	2220.0
27.5°	2543.3	2525.0	2434.5	2270.8	2172.2	2208.8	2242.4	2286.1	2293.2	2308.5	2329.8
30°	2514.8	2500.6	2414.2	2240.3	2162.1	2271.9	2373.5	2423.3	2440.6	2457.9	2485.3
32.5°	2484.3	2472.1	2404.0	2256.6	2219.0	2404.0	2573.8	2641.9	2652.0	2666.3	2694.7
35°	2482.3	2478.2	2448.7	2360.3	2390.8	2645.9	2875.7	2922.4	2950.9	2958.0	2970.2
37.5°	2503.6	2511.7	2537.2	2528.0	2637.8	3005.8	3271.1	3364.6	3386.9	3374.7	3385.9
40°	2553.4	2573.8	2668.3	2785.2	3014.9	3440.8	3809.8	3917.6	3942.0	3934.8	3931.8
42.5°	2711.0	2738.4	2877.7	3127.7	3407.3	3891.1	4309.9	4425.8	4433.9	4438.0	4411.6
45°	2958.0	2973.2	3158.2	3477.4	3832.2	4376.0	4809.0	4938.1	4933.0	4912.7	4893.4
47.5°	3238.5	3270.1	3491.6	3877.9	4271.3	4824.3	5314.2	5440.3	5451.4	5433.1	5397.6
50°	3493.7	3518.1	3768.1	4226.6	4658.6	5197.3	5740.1	5867.2	5865.2	5875.3	5885.5
52.5°	3694.9	3717.3	3955.2	4459.3	4943.2	5510.4	6061.3	6217.9	6242.3	6258.5	6278.9
55°	3798.6	3822.0	4041.6	4555.9	5116.0	5816.4	6432.4	6657.0	6698.7	6735.3	6768.8
57.5°	3800.7	3831.2	4032.4	4548.8	5205.4	6089.8	6923.3	7326.9	7385.8	7479.3	7594.2
60°	3738.7	3781.3	3962.3	4482.7	5308.1	6436.4	7732.4	8505.0	8620.9	8784.5	8931.9
62.5°	3577.0	3619.7	3781.3	4315.0	5428.1	6880.6	8901.4	10033.8	10280.8	10461.7	10753.5
65°	3321.9	3362.6	3498.8	4037.5	5332.5	7231.3	9772.5	11130.6	11382.7	11609.3	11951.9
67°	3094.2	3098.3	3213.1	3719.3	4960.5	7122.6	9947.4	11276.9	11509.7	11739.5	12136.9
67.5°	3013.9	3036.3	3125.7	3613.6	4819.2	7042.2	9878.3	11197.7	11423.3	11668.3	12073.9
70°	2436.5	2442.6	2529.0	2882.8	3824.0	5838.7	8872.9	10186.3	10340.8	10699.6	11098.0
72.5°	1486.1	1475.9	1503.4	1765.6	2516.8	4043.6	7104.3	8386.0	8597.5	8903.4	9172.8
75°	818.3	867.1	900.6	1082.6	1413.9	2377.6	4837.5	6067.4	6377.5	6559.4	6613.3
77.5°	500.1	496.0	511.3	698.3	1159.8	1626.4	2672.4	3559.8	3732.6	3784.4	3584.1
80°	237.9	247.0	244.0	287.7	562.1	1372.3	1868.3	2286.1	2373.5	2423.3	2488.4
82.5°	130.1	135.2	153.5	171.8	221.6	590.6	1612.2	2108.2	2167.2	2252.5	2348.1
85°	81.3	85.4	117.9	124.0	136.2	182.0	671.9	1232.0	1281.8	1451.5	1505.4
87.5°	33.5	36.6	64.0	57.9	69.1	64.0	203.3	313.1	332.4	353.7	392.4
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°	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0
2.5°	1643.7	1642.6	1638.6	1637.6	1639.6	1639.6	1637.6	1634.5	1633.5	1632.5	1630.5
5°	1692.5	1690.4	1687.4	1685.3	1684.3	1684.3	1681.3	1678.2	1675.2	1671.1	1670.1
7.5°	1750.4	1750.4	1749.4	1746.3	1743.3	1739.2	1736.2	1733.1	1730.1	1728.0	1725.0
10°	1826.6	1830.7	1823.6	1821.6	1820.5	1814.4	1813.4	1810.4	1808.3	1803.3	1803.3
12.5°	1917.1	1913.0	1912.0	1908.0	1908.0	1904.9	1903.9	1902.9	1900.8	1896.8	1895.8
15°	1992.3	1992.3	1991.3	1989.3	1991.3	1989.3	1986.2	1988.3	1985.2	1986.2	1983.2
17.5°	2053.3	2057.4	2056.4	2057.4	2056.4	2056.4	2058.4	2058.4	2060.4	2056.4	2057.4
20°	2104.1	2110.2	2113.3	2111.3	2113.3	2114.3	2119.4	2121.4	2124.5	2126.5	2126.5
22.5°	2157.0	2165.1	2171.2	2171.2	2175.3	2179.4	2188.5	2190.5	2197.7	2196.6	2201.7
25°	2231.2	2244.4	2248.5	2254.6	2259.7	2266.8	2278.0	2283.0	2286.1	2293.2	2301.3
27.5°	2345.0	2361.3	2364.4	2371.5	2384.7	2388.8	2401.0	2406.0	2417.2	2432.5	2435.5
30°	2500.6	2520.9	2521.9	2530.0	2545.3	2550.4	2560.5	2573.8	2582.9	2598.2	2599.2
32.5°	2712.0	2732.3	2729.3	2744.5	2743.5	2758.8	2755.7	2776.0	2784.2	2792.3	2814.7
35°	2993.6	2991.5	3006.8	3011.9	3008.8	3021.0	3019.0	3028.1	3036.3	3036.3	3060.7
37.5°	3399.1	3396.1	3394.1	3372.7	3367.6	3368.7	3364.6	3372.7	3359.5	3359.5	3385.9
40°	3943.0	3924.7	3910.4	3896.2	3882.0	3862.7	3846.4	3842.3	3820.0	3819.0	3808.8
42.5°	4415.6	4398.4	4388.2	4360.7	4346.5	4343.5	4303.8	4292.6	4286.5	4290.6	4280.4
45°	4911.7	4893.4	4854.8	4842.6	4838.5	4817.1	4811.1	4783.6	4775.5	4789.7	4784.6
47.5°	5423.0	5396.5	5375.2	5361.0	5355.9	5337.6	5311.2	5333.5	5322.3	5314.2	5299.0
50°	5882.4	5853.0	5853.0	5827.5	5831.6	5819.4	5792.0	5798.1	5766.6	5778.7	5770.6
52.5°	6267.7	6269.7	6279.9	6251.4	6256.5	6256.5	6247.4	6217.9	6226.0	6221.9	6241.3
55°	6757.6	6791.2	6772.9	6778.0	6784.1	6812.5	6832.9	6815.6	6787.1	6809.5	6871.5
57.5°	7614.5	7645.0	7663.3	7677.6	7700.9	7714.1	7823.9	7839.2	7806.6	7873.7	8012.0
60°	9104.7	9141.3	9196.2	9268.4	9283.6	9376.1	9433.0	9500.1	9524.5	9582.5	9730.9
62.5°	10896.8	10979.1	10989.3	11080.8	11151.9	11065.5	11087.9	11170.2	11076.7	11204.8	11210.9
65°	12069.8	12189.8	12193.8	12227.4	12253.8	12172.5	12135.9	12099.3	12010.9	12005.8	12094.2
67°	12271.1	12380.9	12426.6	12442.9	12438.8	12397.1	12337.1	12231.4	12146.0	12097.3	12133.8
67.5°	12214.2	12321.9	12385.9	12401.2	12402.2	12361.5	12306.7	12191.8	12111.5	12056.6	12095.2
70°	11279.0	11531.1	11640.9	11583.9	11616.5	11616.5	11614.4	11508.7	11469.1	11416.2	11395.9
72.5°	9378.1	9553.0	9692.2	9618.0	9627.2	9696.3	9680.0	9691.2	9577.4	9565.2	9377.1
75°	6718.0	6773.9	6727.1	6780.0	6495.4	6393.7	6220.9	5968.8	5902.8	5798.1	5485.0
77.5°	3568.9	3505.9	3380.8	3370.7	3253.8	3163.3	3051.5	2978.3	2793.3	2690.7	2455.8
80°	2520.9	2551.4	2599.2	2627.6	2654.1	2674.4	2632.7	2515.8	2361.3	2188.5	2024.8
82.5°	2408.1	2449.7	2478.2	2492.4	2482.3	2449.7	2354.2	2242.4	2036.0	1886.6	1709.7
85°	1518.6	1552.2	1494.2	1482.0	1507.5	1302.1	1189.3	1097.8	889.4	827.4	730.9
87.5°	407.6	430.0	431.0	417.8	409.6	360.9	319.2	282.6	233.8	219.6	177.9
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0
2.5°	1630.5	1629.4	1629.4	1626.4	1624.4	1623.3	1622.3	1619.3	1617.2	1617.2	1616.2
5°	1669.1	1667.0	1664.0	1663.0	1658.9	1656.9	1652.8	1650.8	1647.7	1645.7	1644.7
7.5°	1724.0	1718.9	1712.8	1713.8	1707.7	1704.7	1702.6	1698.6	1695.5	1692.5	1691.4
10°	1797.2	1796.1	1790.0	1792.1	1780.9	1786.0	1775.8	1776.8	1770.7	1764.6	1763.6
12.5°	1890.7	1889.7	1883.6	1876.4	1874.4	1875.4	1869.3	1870.3	1863.2	1861.2	1859.2
15°	1980.1	1978.1	1975.0	1970.0	1966.9	1965.9	1963.9	1961.8	1955.7	1955.7	1948.6
17.5°	2057.4	2058.4	2054.3	2050.3	2048.2	2045.2	2044.2	2044.2	2039.1	2034.0	2035.0
20°	2125.5	2127.5	2127.5	2124.5	2125.5	2123.4	2122.4	2124.5	2119.4	2117.4	2114.3
22.5°	2201.7	2201.7	2202.7	2204.8	2207.8	2208.8	2208.8	2206.8	2203.8	2202.7	2196.6
25°	2307.4	2303.4	2308.5	2310.5	2310.5	2315.6	2313.5	2314.5	2315.6	2312.5	2309.5
27.5°	2440.6	2436.5	2446.7	2453.8	2452.8	2455.8	2461.9	2454.8	2458.9	2461.9	2454.8
30°	2604.2	2614.4	2621.5	2626.6	2624.6	2633.7	2636.8	2635.8	2632.7	2637.8	2637.8
32.5°	2812.6	2807.5	2825.8	2837.0	2838.0	2836.0	2841.1	2847.2	2842.1	2850.2	2846.2
35°	3060.7	3063.7	3067.8	3080.0	3085.0	3076.9	3085.0	3092.2	3090.1	3091.1	3095.2
37.5°	3380.8	3385.9	3381.9	3382.9	3380.8	3419.5	3425.6	3431.7	3424.6	3418.5	3436.8
40°	3825.1	3825.1	3824.0	3837.3	3814.9	3839.3	3832.2	3849.5	3867.7	3857.6	3885.0
42.5°	4262.1	4286.5	4288.6	4269.3	4285.5	4312.0	4312.0	4323.1	4339.4	4323.1	4349.6
45°	4763.3	4793.8	4788.7	4821.2	4796.8	4827.3	4832.4	4818.2	4853.7	4857.8	4847.6
47.5°	5310.1	5316.2	5317.3	5328.4	5333.5	5357.9	5356.9	5383.3	5375.2	5334.5	5348.8
50°	5778.7	5794.0	5802.1	5809.2	5834.7	5851.9	5875.3	5879.4	5873.3	5861.1	5849.9
52.5°	6247.4	6283.9	6307.3	6370.3	6410.0	6441.5	6480.1	6494.4	6487.2	6484.2	6439.5
55°	6874.5	6961.9	7097.1	7184.6	7280.1	7336.0	7380.7	7403.1	7386.8	7395.0	7302.5
57.5°	8055.7	8261.0	8378.9	8528.4	8697.1	8767.2	8786.5	8865.8	8778.4	8691.0	8620.9
60°	9811.2	10000.2	10214.7	10368.2	10425.1	10619.3	10527.8	10425.1	10331.6	10150.7	9946.4
62.5°	11395.9	11639.8	11749.6	11892.9	11854.3	11838.1	11777.1	11613.4	11413.2	11143.8	10871.4
65°	12177.6	12314.8	12382.9	12429.6	12385.9	12273.1	12071.8	11829.9	11543.3	11194.6	10836.8
67°	12209.1	12272.1	12294.5	12249.7	12152.1	11976.3	11722.2	11379.6	11026.9	10627.4	10224.9
67.5°	12157.2	12198.9	12210.1	12139.9	12024.1	11834.0	11562.6	11196.6	10821.6	10406.8	10002.3
70°	11449.8	11419.3	11320.7	11224.1	10862.2	10607.1	10134.4	9744.1	9223.6	8842.5	8410.4
72.5°	9301.9	9162.6	9067.1	8640.2	8203.1	7950.0	7441.7	6975.2	6500.5	6137.6	5872.3
75°	5221.7	5120.1	4854.8	4629.1	4268.2	3937.9	3701.0	3404.2	3119.6	2950.9	2826.9
77.5°	2359.3	2068.6	1868.3	1615.2	1305.2	1049.0	778.6	719.7	614.0	587.5	529.6
80°	1840.9	1632.5	1370.2	1080.5	762.4	512.3	376.1	319.2	299.9	287.7	281.6
82.5°	1535.9	1265.5	1065.3	756.3	483.8	325.3	245.0	221.6	207.4	197.2	188.1
85°	656.7	519.4	427.9	306.0	217.5	171.8	150.4	137.2	124.0	112.8	105.7
87.5°	153.5	117.9	107.7	91.5	86.4	85.4	84.4	80.3	75.2	69.1	62.0
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0	1605.0
2.5°	1615.2	1614.2	1612.2	1609.1	1609.1	1605.0	1591.8	1582.7	1572.5	1566.4	1560.3
5°	1642.6	1641.6	1636.6	1633.5	1631.5	1623.3	1601.0	1583.7	1565.4	1552.2	1542.0
7.5°	1688.4	1685.3	1681.3	1679.2	1673.1	1663.0	1630.5	1606.1	1579.6	1558.3	1541.0
10°	1762.6	1757.5	1751.4	1745.3	1747.3	1731.1	1693.5	1657.9	1619.3	1585.7	1562.3
12.5°	1853.1	1853.1	1850.0	1845.9	1838.8	1820.5	1769.7	1728.0	1681.3	1639.6	1622.3
15°	1948.6	1943.5	1938.4	1932.3	1931.3	1906.9	1861.2	1813.4	1764.6	1729.1	1708.7
17.5°	2026.9	2028.9	2021.8	2019.8	2017.7	1993.3	1944.5	1901.9	1866.3	1828.7	1796.1
20°	2110.2	2106.2	2104.1	2101.1	2100.1	2079.7	2041.1	2014.7	1983.2	1926.2	1840.9
22.5°	2199.7	2194.6	2196.6	2190.5	2189.5	2175.3	2146.8	2138.7	2091.9	1972.0	1823.6
25°	2315.6	2306.4	2309.5	2309.5	2310.5	2297.3	2294.2	2280.0	2162.1	1960.8	1754.5
27.5°	2453.8	2457.9	2457.9	2456.9	2449.7	2453.8	2468.0	2419.2	2186.5	1901.9	1650.8
30°	2633.7	2635.8	2637.8	2644.9	2629.7	2656.1	2673.4	2517.8	2168.2	1820.5	1520.7
32.5°	2852.3	2844.1	2848.2	2852.3	2857.4	2884.8	2874.6	2567.7	2114.3	1709.7	1359.0
35°	3093.2	3108.4	3112.5	3121.6	3131.8	3173.5	3056.6	2577.8	2032.0	1561.3	1152.7
37.5°	3452.0	3476.4	3476.4	3508.9	3489.6	3540.4	3219.2	2553.4	1906.9	1355.0	919.9
40°	3904.3	3915.5	3926.7	3930.8	3920.6	3914.5	3326.0	2493.5	1731.1	1095.8	672.9
42.5°	4365.8	4361.8	4362.8	4369.9	4342.4	4227.6	3392.0	2388.8	1512.5	818.3	482.8
45°	4862.9	4845.6	4840.5	4826.3	4801.9	4560.0	3429.6	2241.4	1224.9	575.3	379.2
47.5°	5346.7	5325.4	5292.9	5253.2	5206.5	4827.3	3425.6	2050.3	939.2	411.7	334.4
50°	5842.8	5805.2	5735.0	5696.4	5617.1	5092.6	3402.2	1837.8	676.0	340.5	313.1
52.5°	6410.0	6342.9	6277.8	6200.6	6069.5	5418.9	3366.6	1598.9	493.0	312.1	298.8
55°	7255.7	7145.9	7039.2	6878.6	6751.5	5856.0	3306.6	1341.8	389.3	300.9	290.7
57.5°	8421.6	8234.6	8099.4	7882.9	7679.6	6460.8	3242.6	1108.0	347.6	297.8	286.7
60°	9733.9	9452.3	9200.3	8933.9	8702.2	7216.1	3209.1	925.0	338.5	300.9	287.7
62.5°	10557.3	10224.9	9909.8	9584.5	9251.1	7576.9	3063.7	799.0	342.6	314.1	295.8
65°	10453.6	10086.6	9744.1	9347.6	9033.6	7236.4	2693.7	676.0	349.7	337.5	318.2
67°	9754.2	9398.5	9008.1	8619.8	8314.9	6588.9	2273.9	569.2	357.8	363.9	342.6
67.5°	9567.2	9166.7	8773.3	8416.5	8086.2	6388.6	2164.1	542.8	359.8	371.0	350.7
70°	7978.4	7661.3	7200.8	6936.5	6697.7	5179.0	1614.2	421.8	365.9	402.5	389.3
72.5°	5582.6	5275.6	5034.7	4890.3	4751.1	3763.0	1135.4	336.5	356.8	419.8	406.6
75°	2819.7	2749.6	2665.2	2618.5	2620.5	2187.5	684.1	286.7	335.4	402.5	369.0
77.5°	557.0	542.8	548.9	600.7	591.6	673.9	339.5	242.9	285.6	310.0	265.3
80°	269.4	260.2	252.1	250.1	245.0	234.8	213.5	202.3	231.8	204.3	175.9
82.5°	174.8	164.7	160.6	152.5	153.5	166.7	186.0	194.1	188.1	141.3	118.9
85°	98.6	97.6	95.6	97.6	101.6	133.2	199.2	182.0	151.5	99.6	89.5
87.5°	59.0	55.9	56.9	57.9	60.0	98.6	157.6	131.1	96.6	51.8	52.9
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):

	155°	165°	175°	180°
0°	1605.0	1605.0	1605.0	1605.0
2.5°	1559.3	1555.2	1555.2	1554.2
5°	1533.9	1527.8	1526.8	1526.8
7.5°	1529.8	1521.7	1520.7	1517.6
10°	1548.1	1545.1	1546.1	1543.0
12.5°	1606.1	1610.1	1614.2	1614.2
15°	1694.5	1691.4	1696.5	1691.4
17.5°	1759.5	1733.1	1727.0	1724.0
20°	1761.6	1706.7	1688.4	1685.3
22.5°	1698.6	1617.2	1586.7	1581.7
25°	1591.8	1489.2	1450.5	1446.5
27.5°	1457.6	1342.8	1285.9	1283.8
30°	1296.0	1159.8	1087.6	1076.5
32.5°	1098.8	937.2	861.0	836.6
35°	871.1	705.4	634.3	632.3
37.5°	650.6	521.5	475.7	473.7
40°	476.7	409.6	392.4	389.3
42.5°	389.3	361.9	354.8	351.7
45°	348.7	337.5	333.4	330.4
47.5°	324.3	317.1	314.1	314.1
50°	304.9	302.9	300.9	300.9
52.5°	291.7	290.7	288.7	287.7
55°	280.6	276.5	277.5	276.5
57.5°	273.4	267.3	267.3	267.3
60°	269.4	258.2	258.2	259.2
62.5°	270.4	253.1	252.1	252.1
65°	278.5	250.1	244.0	245.0
67°	288.7	247.0	234.8	233.8
67.5°	291.7	245.0	231.8	230.7
70°	303.9	238.9	216.5	214.5
72.5°	306.0	229.7	201.3	199.2
75°	284.6	217.5	189.1	184.0
77.5°	221.6	187.0	170.8	170.8
80°	155.5	143.3	122.0	121.0
82.5°	113.8	107.7	89.5	87.4
85°	83.4	78.3	66.1	66.1
87.5°	51.8	49.8	42.7	40.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)