

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: P145169

Luminaire Tested: **LDRL-SL3-E06-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145169
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-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16268.8 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

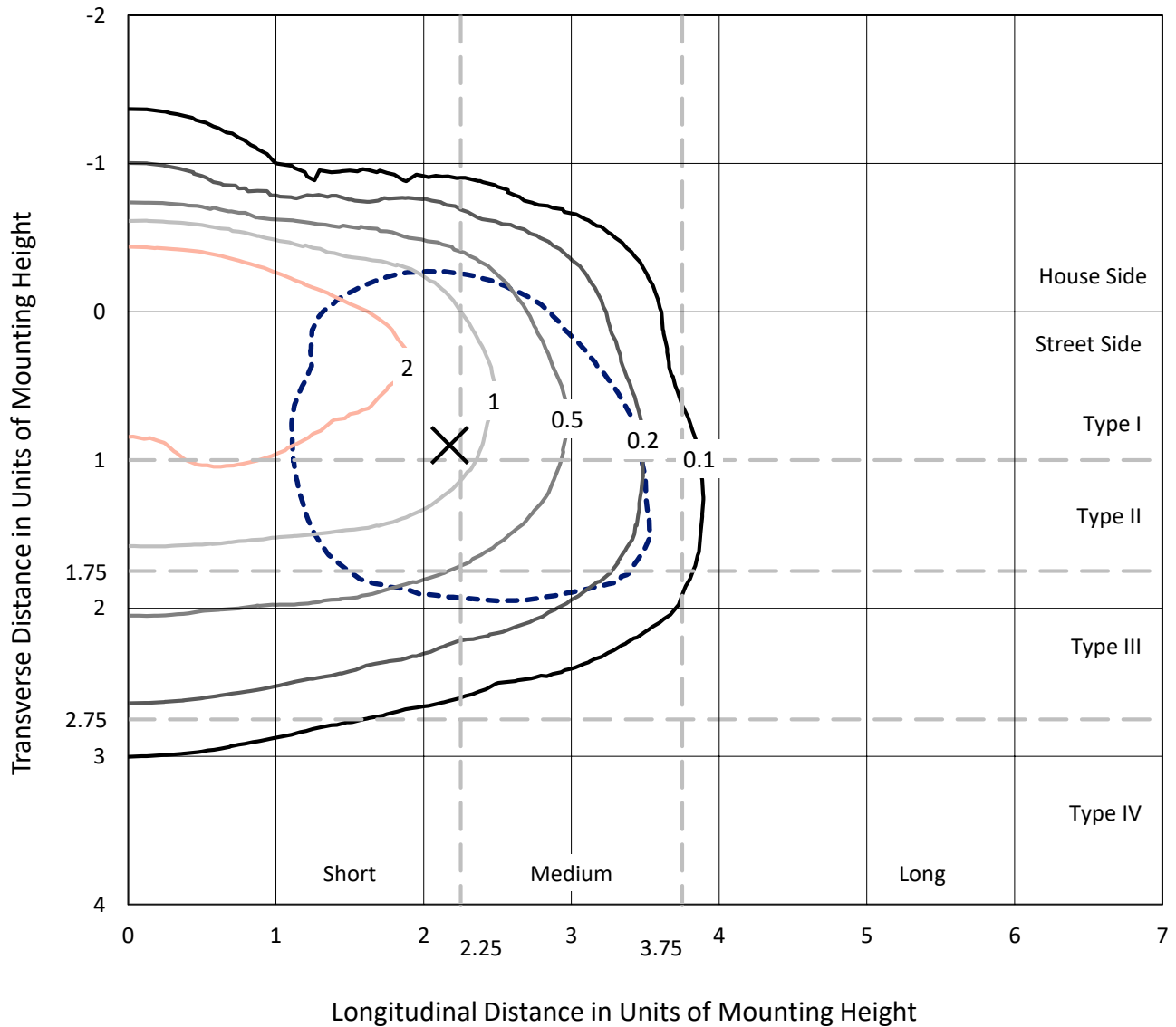
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

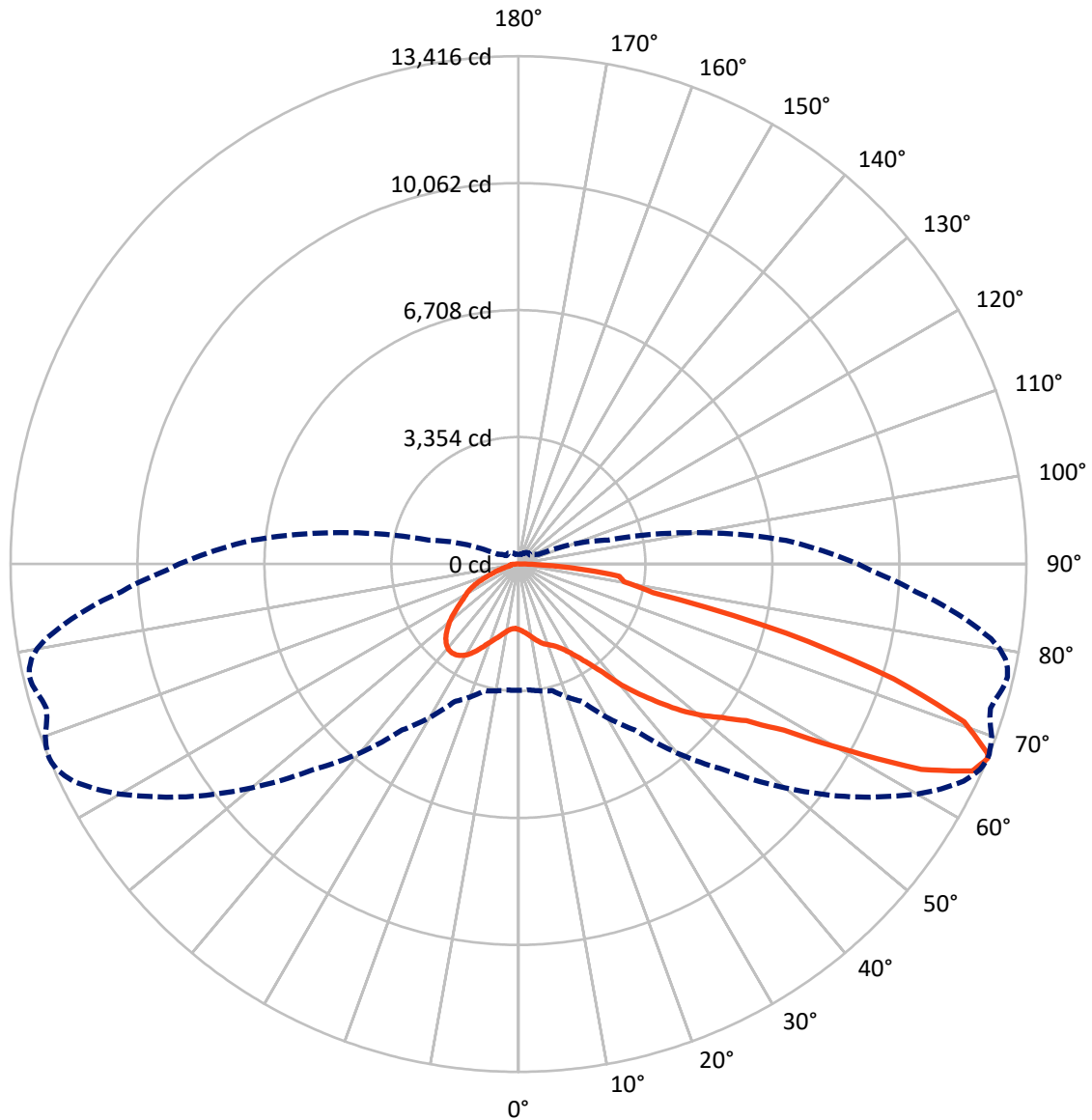
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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
House Side	Lumens	3852.4	0.0	3852.4
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	12416.4	0.0	12416.4
	% Fixture	76.3	0.0	76.3
Total	Lumens	16268.8	0.0	16268.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	1.1
10°-20°	591.5	3.6
20°-30°	1053.0	6.5
30°-40°	1533.8	9.4
40°-50°	2363.3	14.5
50°-60°	3461.0	21.3
60°-70°	4595.9	28.3
70°-80°	2166.4	13.3
80°-90°	331.2	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°	16268.8	100.0
0°-180°	16268.8	100.0



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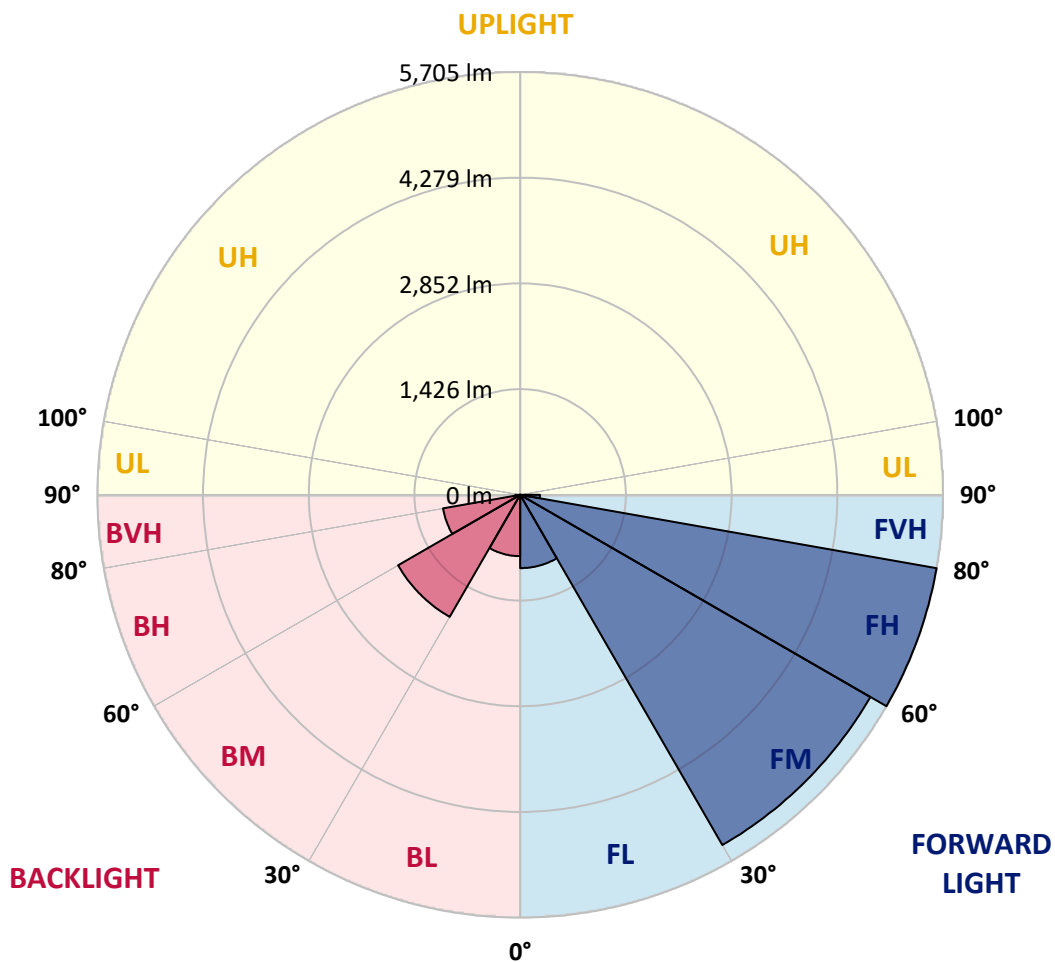
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	989.0	6.1			
FM	(30°-60°)	5455.8	33.5			
FH	(60°-80°)	5704.7	35.1			G3/7500
FVH	(80°-90°)	266.9	1.6			G3/500
BL	(0°-30°)	828.1	5.1	B2/1000		
BM	(30°-60°)	1902.3	11.7	B2/2500		
BH	(60°-80°)	1057.6	6.5	B3/2500		G3/2500
BVH	(80°-90°)	64.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6
2.5°	1817.2	1809.5	1810.6	1813.9	1803.0	1797.5	1785.4	1777.7	1776.6	1775.6	1771.2
5°	1923.5	1915.8	1919.1	1910.4	1889.5	1875.3	1850.1	1836.9	1834.7	1832.5	1827.1
7.5°	2034.2	2024.3	2013.4	2003.5	1980.5	1957.5	1924.6	1904.9	1902.7	1899.4	1896.1
10°	2165.7	2151.5	2142.7	2112.0	2072.6	2040.8	2007.9	1987.1	1986.0	1982.7	1976.1
12.5°	2313.7	2298.4	2281.9	2241.4	2180.0	2132.9	2094.5	2082.4	2072.6	2073.7	2067.1
15°	2460.6	2444.1	2422.2	2370.7	2289.6	2219.4	2170.1	2152.6	2153.7	2148.2	2151.5
17.5°	2584.4	2570.2	2538.4	2472.6	2378.4	2281.9	2219.4	2211.8	2214.0	2212.9	2216.2
20°	2665.5	2656.8	2608.5	2529.6	2423.3	2317.0	2253.4	2253.4	2254.5	2258.9	2266.6
22.5°	2714.8	2701.7	2638.1	2527.4	2422.2	2333.4	2284.1	2295.1	2301.6	2304.9	2317.0
25°	2742.2	2725.8	2639.2	2492.4	2384.9	2345.5	2330.1	2357.5	2368.5	2374.0	2393.7
27.5°	2742.2	2722.5	2625.0	2448.5	2342.2	2381.7	2417.8	2464.9	2472.6	2489.1	2512.1
30°	2711.6	2696.2	2603.0	2415.6	2331.2	2449.6	2559.2	2612.9	2631.5	2650.2	2679.8
32.5°	2678.7	2665.5	2592.1	2433.2	2392.6	2592.1	2775.1	2848.6	2859.5	2874.9	2905.6
35°	2676.5	2672.1	2640.3	2545.0	2577.8	2852.9	3100.6	3151.1	3181.7	3189.4	3202.6
37.5°	2699.5	2708.3	2735.7	2725.8	2844.2	3240.9	3527.0	3627.8	3651.9	3638.8	3650.8
40°	2753.2	2775.1	2877.1	3003.1	3250.8	3710.0	4107.9	4224.1	4250.4	4242.7	4239.4
42.5°	2923.1	2952.7	3102.8	3372.5	3673.9	4195.6	4647.1	4772.1	4780.8	4785.2	4756.7
45°	3189.4	3205.9	3405.3	3749.5	4132.0	4718.4	5185.3	5324.5	5319.0	5297.1	5276.2
47.5°	3491.9	3525.9	3764.8	4181.3	4605.5	5201.7	5730.0	5865.9	5878.0	5858.2	5819.9
50°	3767.0	3793.3	4062.9	4557.3	5023.1	5604.0	6189.2	6326.2	6324.0	6335.0	6346.0
52.5°	3984.0	4008.1	4264.6	4808.2	5329.9	5941.5	6535.6	6704.4	6730.7	6748.2	6770.1
55°	4095.8	4121.0	4357.8	4912.4	5516.3	6271.4	6935.6	7177.8	7222.8	7262.2	7298.4
57.5°	4098.0	4130.9	4347.9	4904.7	5612.7	6566.3	7465.0	7900.1	7963.7	8064.5	8188.4
60°	4031.2	4077.2	4272.3	4833.4	5723.4	6940.0	8337.4	9170.4	9295.3	9471.8	9630.7
62.5°	3856.9	3902.9	4077.2	4652.6	5852.7	7419.0	9597.9	10818.8	11085.2	11280.2	11594.8
65°	3581.8	3625.6	3772.5	4353.4	5749.7	7797.1	10537.1	12001.4	12273.2	12517.6	12887.0
67°	3336.3	3340.7	3464.5	4010.3	5348.6	7679.8	10725.7	12159.3	12410.2	12657.9	13086.5
67.5°	3249.7	3273.8	3370.3	3896.4	5196.2	7593.2	10651.1	12073.8	12317.1	12581.2	13018.5
70°	2627.2	2633.7	2726.9	3108.3	4123.2	6295.5	9567.2	10983.2	11149.8	11536.7	11966.4
72.5°	1602.4	1591.4	1621.0	1903.8	2713.7	4360.0	7660.1	9042.2	9270.1	9600.0	9890.5
75°	882.3	934.9	971.1	1167.3	1524.6	2563.6	5216.0	6542.1	6876.4	7072.6	7130.7
77.5°	539.2	534.9	551.3	753.0	1250.6	1753.6	2881.4	3838.3	4024.6	4080.5	3864.6
80°	256.5	266.3	263.0	310.2	606.1	1479.6	2014.5	2464.9	2559.2	2612.9	2683.1
82.5°	140.3	145.8	165.5	185.2	238.9	636.8	1738.3	2273.1	2336.7	2428.8	2531.8
85°	87.7	92.1	127.1	133.7	146.9	196.2	724.5	1328.4	1382.1	1565.1	1623.2
87.5°	36.2	39.5	69.0	62.5	74.5	69.0	219.2	337.6	358.4	381.4	423.1
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°	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6
2.5°	1772.3	1771.2	1766.8	1765.7	1767.9	1767.9	1765.7	1762.4	1761.3	1760.2	1758.0
5°	1824.9	1822.7	1819.4	1817.2	1816.1	1816.1	1812.8	1809.5	1806.2	1801.9	1800.8
7.5°	1887.3	1887.3	1886.3	1883.0	1879.7	1875.3	1872.0	1868.7	1865.4	1863.2	1859.9
10°	1969.5	1973.9	1966.3	1964.1	1963.0	1956.4	1955.3	1952.0	1949.8	1944.3	1944.3
12.5°	2067.1	2062.7	2061.6	2057.2	2057.2	2053.9	2052.8	2051.8	2049.6	2045.2	2044.1
15°	2148.2	2148.2	2147.1	2144.9	2147.1	2144.9	2141.6	2143.8	2140.5	2141.6	2138.3
17.5°	2214.0	2218.3	2217.2	2218.3	2217.2	2217.2	2219.4	2219.4	2221.6	2217.2	2218.3
20°	2268.8	2275.3	2278.6	2276.4	2278.6	2279.7	2285.2	2287.4	2290.7	2292.9	2292.9
22.5°	2325.8	2334.5	2341.1	2341.1	2345.5	2349.9	2359.7	2361.9	2369.6	2368.5	2374.0
25°	2405.8	2420.0	2424.4	2431.0	2436.5	2444.1	2456.2	2461.7	2464.9	2472.6	2481.4
27.5°	2528.5	2546.1	2549.3	2557.0	2571.3	2575.6	2588.8	2594.3	2606.3	2622.8	2626.1
30°	2696.2	2718.1	2719.2	2728.0	2744.4	2749.9	2760.9	2775.1	2785.0	2801.4	2802.5
32.5°	2924.2	2946.1	2942.8	2959.3	2958.2	2974.6	2971.3	2993.2	3002.0	3010.8	3034.9
35°	3227.8	3225.6	3242.0	3247.5	3244.2	3257.4	3255.2	3265.0	3273.8	3273.8	3300.1
37.5°	3665.1	3661.8	3659.6	3636.6	3631.1	3632.2	3627.8	3636.6	3622.3	3622.3	3650.8
40°	4251.5	4231.7	4216.4	4201.0	4185.7	4164.9	4147.3	4143.0	4118.8	4117.7	4106.8
42.5°	4761.1	4742.5	4731.5	4701.9	4686.6	4683.3	4640.6	4628.5	4621.9	4626.3	4615.3
45°	5296.0	5276.2	5234.6	5221.4	5217.1	5194.0	5187.5	5157.9	5149.1	5164.4	5159.0
47.5°	5847.3	5818.8	5795.8	5780.4	5774.9	5755.2	5726.7	5750.8	5738.8	5730.0	5713.6
50°	6342.7	6310.9	6310.9	6283.5	6287.9	6274.7	6245.1	6251.7	6217.7	6230.9	6222.1
52.5°	6758.1	6760.3	6771.2	6740.5	6746.0	6746.0	6736.1	6704.4	6713.1	6708.7	6729.6
55°	7286.3	7322.5	7302.8	7308.3	7314.8	7345.5	7367.4	7348.8	7318.1	7342.2	7409.1
57.5°	8210.3	8243.2	8262.9	8278.2	8303.5	8317.7	8436.1	8452.5	8417.4	8489.8	8638.8
60°	9817.1	9856.5	9915.7	9993.5	10010.0	10109.7	10171.1	10243.4	10269.7	10332.2	10492.2
62.5°	11749.3	11838.1	11849.1	11947.7	12024.4	11931.3	11955.4	12044.2	11943.3	12081.4	12088.0
65°	13014.1	13143.5	13147.9	13184.0	13212.5	13124.8	13085.4	13045.9	12950.6	12945.1	13040.5
67°	13231.2	13349.5	13398.8	13416.4	13412.0	13367.1	13302.4	13188.4	13096.3	13043.7	13083.2
67.5°	13169.8	13286.0	13355.0	13371.4	13372.5	13328.7	13269.5	13145.7	13059.1	12999.9	13041.5
70°	12161.4	12433.3	12551.6	12490.2	12525.3	12525.3	12523.1	12409.1	12366.4	12309.4	12287.5
72.5°	10111.9	10300.4	10450.6	10370.5	10380.4	10454.9	10437.4	10449.5	10326.7	10313.6	10110.8
75°	7243.6	7303.9	7253.5	7310.5	7003.6	6894.0	6707.6	6435.8	6364.6	6251.7	5914.1
77.5°	3848.1	3780.2	3645.4	3634.4	3508.4	3410.8	3290.3	3211.3	3011.9	2901.2	2648.0
80°	2718.1	2751.0	2802.5	2833.2	2861.7	2883.6	2838.7	2712.7	2546.1	2359.7	2183.3
82.5°	2596.5	2641.4	2672.1	2687.4	2676.5	2641.4	2538.4	2417.8	2195.3	2034.2	1843.5
85°	1637.5	1673.6	1611.2	1598.0	1625.4	1404.0	1282.3	1183.7	959.0	892.2	788.0
87.5°	439.5	463.6	464.7	450.5	441.7	389.1	344.2	304.7	252.1	236.7	191.8
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°	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6
2.5°	1758.0	1756.9	1756.9	1753.6	1751.4	1750.3	1749.2	1746.0	1743.8	1743.8	1742.7
5°	1799.7	1797.5	1794.2	1793.1	1788.7	1786.5	1782.1	1779.9	1776.6	1774.5	1773.4
7.5°	1858.9	1853.4	1846.8	1847.9	1841.3	1838.0	1835.8	1831.5	1828.2	1824.9	1823.8
10°	1937.8	1936.7	1930.1	1932.3	1920.2	1925.7	1914.7	1915.8	1909.3	1902.7	1901.6
12.5°	2038.6	2037.5	2030.9	2023.3	2021.1	2022.2	2015.6	2016.7	2009.0	2006.8	2004.6
15°	2135.0	2132.9	2129.6	2124.1	2120.8	2119.7	2117.5	2115.3	2108.7	2108.7	2101.1
17.5°	2218.3	2219.4	2215.1	2210.7	2208.5	2205.2	2204.1	2204.1	2198.6	2193.1	2194.2
20°	2291.8	2294.0	2294.0	2290.7	2291.8	2289.6	2288.5	2290.7	2285.2	2283.0	2279.7
22.5°	2374.0	2374.0	2375.1	2377.3	2380.6	2381.7	2381.7	2379.5	2376.2	2375.1	2368.5
25°	2488.0	2483.6	2489.1	2491.3	2491.3	2496.7	2494.5	2495.6	2496.7	2493.4	2490.2
27.5°	2631.5	2627.2	2638.1	2645.8	2644.7	2648.0	2654.6	2646.9	2651.3	2654.6	2646.9
30°	2808.0	2819.0	2826.6	2832.1	2829.9	2839.8	2843.1	2842.0	2838.7	2844.2	2844.2
32.5°	3032.7	3027.2	3046.9	3059.0	3060.1	3057.9	3063.4	3070.0	3064.5	3073.2	3068.9
35°	3300.1	3303.4	3307.8	3320.9	3326.4	3317.7	3326.4	3334.1	3331.9	3333.0	3337.4
37.5°	3645.4	3650.8	3646.5	3647.6	3645.4	3687.0	3693.6	3700.2	3692.5	3685.9	3705.6
40°	4124.3	4124.3	4123.2	4137.5	4113.4	4139.7	4132.0	4150.6	4170.4	4159.4	4189.0
42.5°	4595.6	4621.9	4624.1	4603.3	4620.8	4649.3	4649.3	4661.4	4678.9	4661.4	4689.9
45°	5136.0	5168.8	5163.4	5198.4	5172.1	5205.0	5210.5	5195.1	5233.5	5237.9	5226.9
47.5°	5725.6	5732.2	5733.3	5745.3	5750.8	5777.1	5776.0	5804.5	5795.8	5751.9	5767.3
50°	6230.9	6247.3	6256.1	6263.8	6291.2	6309.8	6335.0	6339.4	6332.8	6319.7	6307.6
52.5°	6736.1	6775.6	6800.8	6868.8	6911.5	6945.5	6987.1	7002.5	6994.8	6991.5	6943.3
55°	7412.4	7506.6	7652.4	7746.7	7849.7	7910.0	7958.2	7982.3	7964.8	7973.5	7873.8
57.5°	8686.0	8907.4	9034.5	9195.6	9377.6	9453.2	9474.0	9559.5	9465.2	9371.0	9295.3
60°	10578.8	10782.6	11013.9	11179.4	11240.8	11450.1	11351.5	11240.8	11140.0	10944.9	10724.6
62.5°	12287.5	12550.5	12668.9	12823.4	12781.8	12764.3	12698.5	12522.0	12306.1	12015.7	11721.9
65°	13130.3	13278.3	13351.7	13402.1	13355.0	13233.4	13016.3	12755.5	12446.4	12070.5	11684.7
67°	13164.3	13232.3	13256.4	13208.1	13102.9	12913.3	12639.3	12269.9	11889.6	11458.9	11024.9
67.5°	13108.4	13153.3	13165.4	13089.8	12964.8	12759.9	12467.2	12072.7	11668.2	11221.1	10784.8
70°	12345.6	12312.7	12206.4	12102.3	11712.1	11437.0	10927.3	10506.5	9945.3	9534.3	9068.5
72.5°	10029.7	9879.5	9776.5	9316.2	8844.9	8572.0	8024.0	7520.9	7009.1	6617.8	6331.7
75°	5630.3	5520.7	5234.6	4991.3	4602.2	4246.0	3990.6	3670.6	3363.7	3181.7	3048.0
77.5°	2543.9	2230.4	2014.5	1741.6	1407.3	1131.1	839.6	776.0	662.0	633.5	571.0
80°	1984.9	1760.2	1477.4	1165.1	822.0	552.4	405.5	344.2	323.3	310.2	303.6
82.5°	1656.1	1364.5	1148.6	815.4	521.7	350.7	264.1	238.9	223.6	212.6	202.8
85°	708.0	560.1	461.4	329.9	234.5	185.2	162.2	148.0	133.7	121.7	114.0
87.5°	165.5	127.1	116.2	98.6	93.2	92.1	91.0	86.6	81.1	74.5	66.9
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6
2.5°	1741.6	1740.5	1738.3	1735.0	1735.0	1730.6	1716.4	1706.5	1695.5	1689.0	1682.4
5°	1771.2	1770.1	1764.6	1761.3	1759.1	1750.3	1726.2	1707.6	1687.9	1673.6	1662.7
7.5°	1820.5	1817.2	1812.8	1810.6	1804.0	1793.1	1758.0	1731.7	1703.2	1680.2	1661.6
10°	1900.5	1895.0	1888.4	1881.9	1884.1	1866.5	1826.0	1787.6	1746.0	1709.8	1684.6
12.5°	1998.0	1998.0	1994.8	1990.4	1982.7	1963.0	1908.2	1863.2	1812.8	1767.9	1749.2
15°	2101.1	2095.6	2090.1	2083.5	2082.4	2056.1	2006.8	1955.3	1902.7	1864.3	1842.4
17.5°	2185.5	2187.7	2180.0	2177.8	2175.6	2149.3	2096.7	2050.7	2012.3	1971.7	1936.7
20°	2275.3	2271.0	2268.8	2265.5	2264.4	2242.5	2200.8	2172.3	2138.3	2077.0	1984.9
22.5°	2371.8	2366.3	2368.5	2361.9	2360.8	2345.5	2314.8	2306.0	2255.6	2126.3	1966.3
25°	2496.7	2486.9	2490.2	2490.2	2491.3	2477.0	2473.7	2458.4	2331.2	2114.2	1891.7
27.5°	2645.8	2650.2	2650.2	2649.1	2641.4	2645.8	2661.1	2608.5	2357.5	2050.7	1779.9
30°	2839.8	2842.0	2844.2	2851.8	2835.4	2863.9	2882.5	2714.8	2337.8	1963.0	1639.6
32.5°	3075.4	3066.7	3071.0	3075.4	3080.9	3110.5	3099.5	2768.5	2279.7	1843.5	1465.4
35°	3335.2	3351.6	3356.0	3365.9	3376.8	3421.8	3295.7	2779.5	2190.9	1683.5	1242.9
37.5°	3722.1	3748.4	3748.4	3783.5	3762.6	3817.4	3471.1	2753.2	2056.1	1461.0	991.9
40°	4209.8	4221.9	4233.9	4238.3	4227.4	4220.8	3586.2	2688.5	1866.5	1181.5	725.6
42.5°	4707.4	4703.0	4704.1	4711.8	4682.2	4558.3	3657.4	2575.6	1630.9	882.3	520.6
45°	5243.4	5224.7	5219.2	5203.9	5177.6	4916.7	3698.0	2416.7	1320.7	620.3	408.8
47.5°	5765.1	5742.1	5707.0	5664.2	5613.8	5205.0	3693.6	2210.7	1012.7	443.9	360.6
50°	6299.9	6259.4	6183.7	6142.1	6056.6	5491.1	3668.4	1981.6	728.9	367.2	337.6
52.5°	6911.5	6839.2	6769.0	6685.7	6544.3	5842.9	3630.0	1724.0	531.6	336.5	322.2
55°	7823.4	7705.0	7589.9	7416.8	7279.8	6314.2	3565.4	1446.7	419.8	324.4	313.5
57.5°	9080.5	8878.9	8733.1	8499.6	8280.4	6966.3	3496.3	1194.7	374.8	321.1	309.1
60°	10495.5	10191.9	9920.1	9632.9	9383.0	7780.6	3460.1	997.4	365.0	324.4	310.2
62.5°	11383.3	11024.9	10685.1	10334.4	9974.9	8169.7	3303.4	861.5	369.4	338.7	318.9
65°	11271.5	10875.8	10506.5	10079.0	9740.3	7802.6	2904.5	728.9	377.0	363.9	343.1
67°	10517.4	10133.8	9712.9	9294.3	8965.4	7104.4	2451.8	613.8	385.8	392.4	369.4
67.5°	10315.7	9883.9	9459.8	9075.0	8718.8	6888.5	2333.4	585.3	388.0	400.0	378.1
70°	8602.7	8260.7	7764.2	7479.2	7221.7	5584.2	1740.5	454.8	394.6	434.0	419.8
72.5°	6019.3	5688.3	5428.6	5273.0	5122.8	4057.5	1224.3	362.8	384.7	452.7	438.4
75°	3040.4	2964.7	2873.8	2823.3	2825.5	2358.6	737.6	309.1	361.7	434.0	397.9
77.5°	600.6	585.3	591.9	647.7	637.9	726.7	366.1	261.9	308.0	334.3	286.1
80°	290.4	280.6	271.8	269.6	264.1	253.2	230.2	218.1	249.9	220.3	189.6
82.5°	188.5	177.6	173.2	164.4	165.5	179.7	200.6	209.3	202.8	152.3	128.2
85°	106.3	105.2	103.0	105.2	109.6	143.6	214.8	196.2	163.3	107.4	96.4
87.5°	63.6	60.3	61.4	62.5	64.7	106.3	169.9	141.4	104.1	55.9	57.0
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°	1730.6	1730.6	1730.6	1730.6
2.5°	1681.3	1676.9	1676.9	1675.8
5°	1653.9	1647.3	1646.2	1646.2
7.5°	1649.5	1640.7	1639.6	1636.4
10°	1669.2	1666.0	1667.0	1663.8
12.5°	1731.7	1736.1	1740.5	1740.5
15°	1827.1	1823.8	1829.3	1823.8
17.5°	1897.2	1868.7	1862.1	1858.9
20°	1899.4	1840.2	1820.5	1817.2
22.5°	1831.5	1743.8	1710.9	1705.4
25°	1716.4	1605.7	1564.0	1559.6
27.5°	1571.7	1447.8	1386.5	1384.3
30°	1397.4	1250.6	1172.7	1160.7
32.5°	1184.8	1010.5	928.3	902.0
35°	939.3	760.6	683.9	681.7
37.5°	701.5	562.3	512.9	510.7
40°	514.0	441.7	423.1	419.8
42.5°	419.8	390.2	382.5	379.2
45°	375.9	363.9	359.5	356.2
47.5°	349.6	342.0	338.7	338.7
50°	328.8	326.6	324.4	324.4
52.5°	314.6	313.5	311.3	310.2
55°	302.5	298.1	299.2	298.1
57.5°	294.8	288.3	288.3	288.3
60°	290.4	278.4	278.4	279.5
62.5°	291.5	272.9	271.8	271.8
65°	300.3	269.6	263.0	264.1
67°	311.3	266.3	253.2	252.1
67.5°	314.6	264.1	249.9	248.8
70°	327.7	257.6	233.5	231.3
72.5°	329.9	247.7	217.0	214.8
75°	306.9	234.5	203.9	198.4
77.5°	238.9	201.7	184.1	184.1
80°	167.7	154.5	131.5	130.4
82.5°	122.8	116.2	96.4	94.3
85°	89.9	84.4	71.2	71.2
87.5°	55.9	53.7	46.0	43.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)