

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: P145171

Luminaire Tested: **LDRL-SL3-E06-E-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145171
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-7050
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18277.2 lumens
Efficiency: N/A
Efficacy: 121.4 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

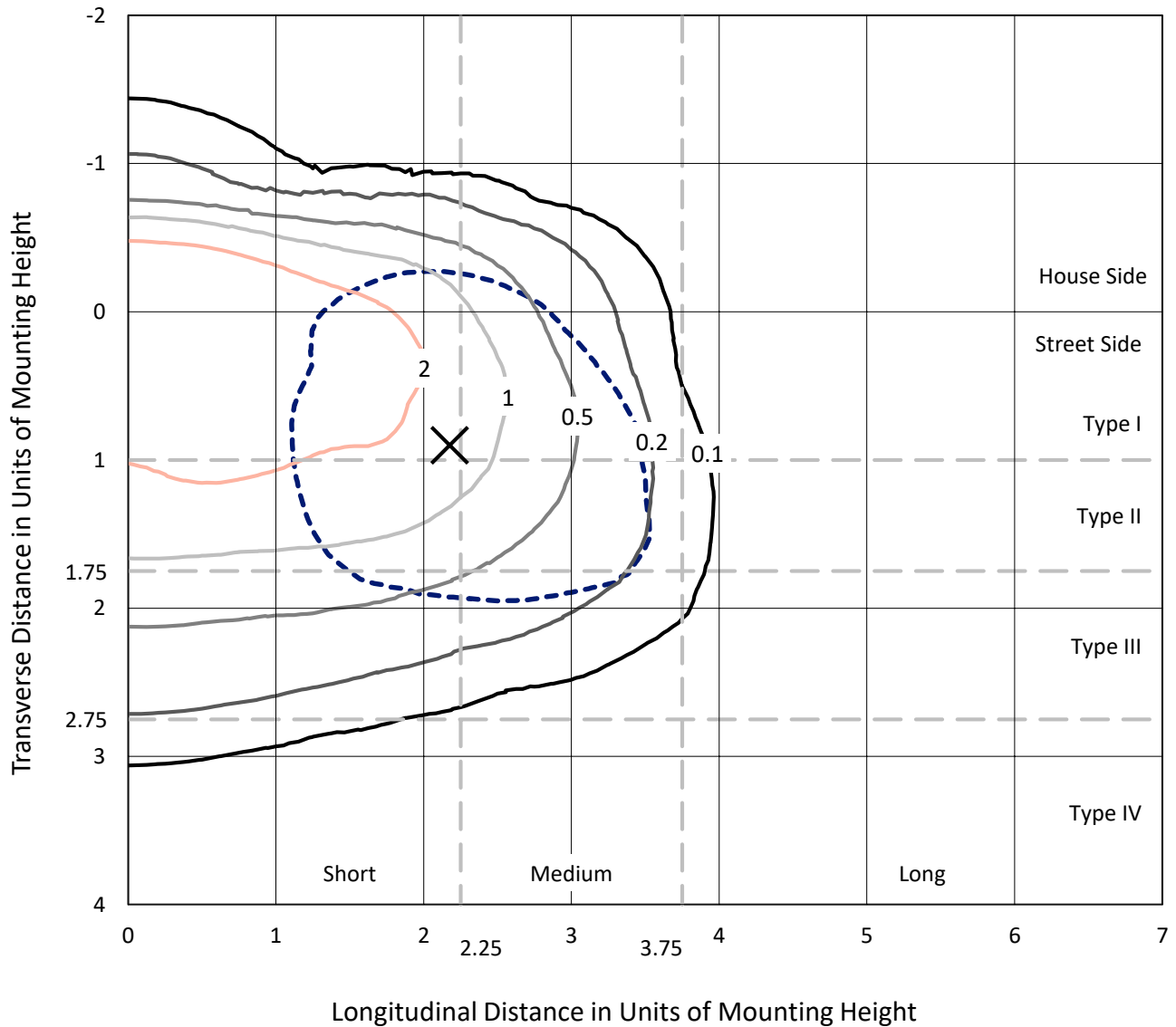
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

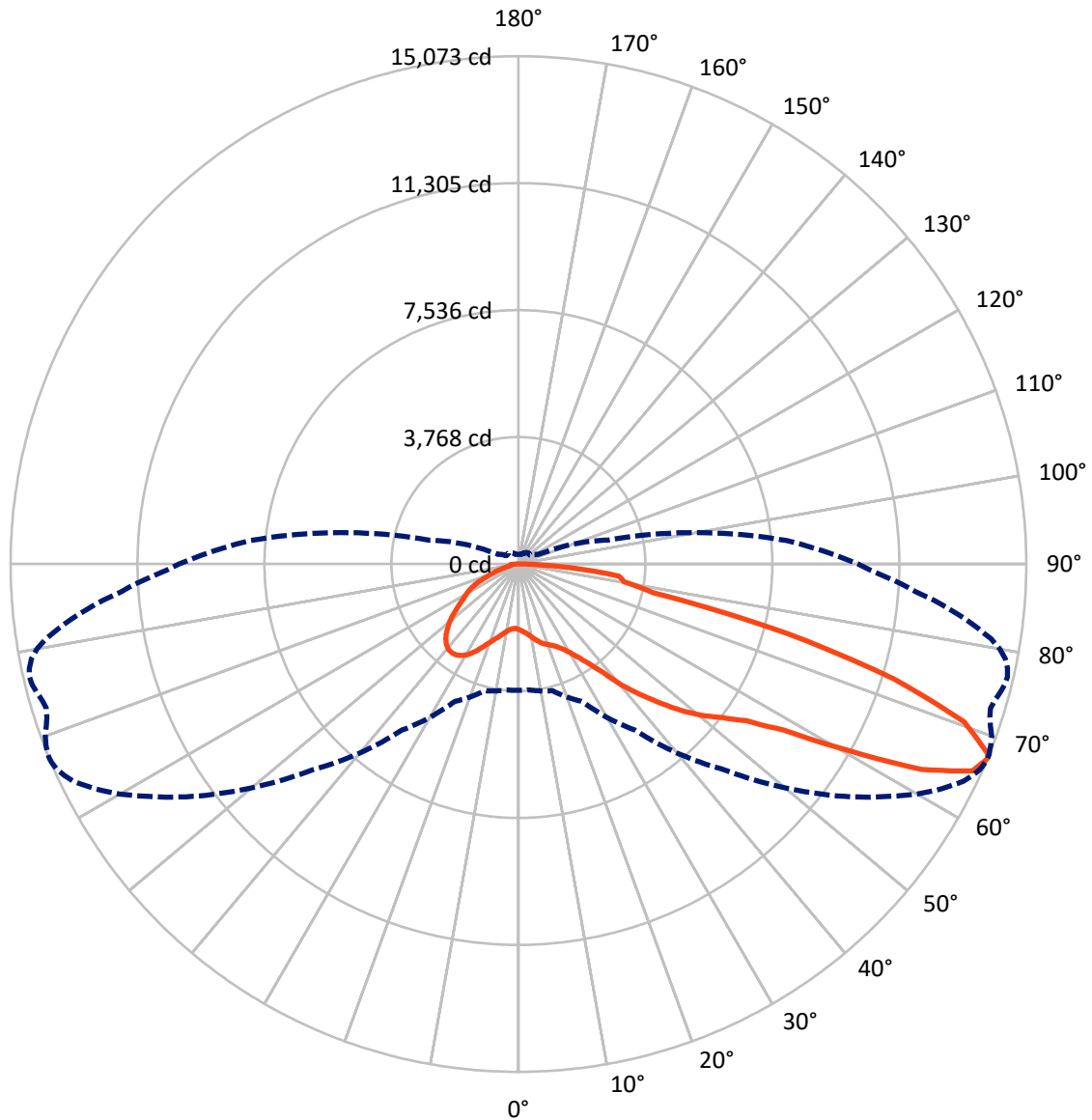
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	4327.9	0.0	4327.9
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	13949.2	0.0	13949.2
	% Fixture	76.3	0.0	76.3
Total	Lumens	18277.2	0.0	18277.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	1.1
10°-20°	664.5	3.6
20°-30°	1182.9	6.5
30°-40°	1723.2	9.4
40°-50°	2655.0	14.5
50°-60°	3888.3	21.3
60°-70°	5163.3	28.3
70°-80°	2433.8	13.3
80°-90°	372.1	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°	18277.2	100.0
0°-180°	18277.2	100.0



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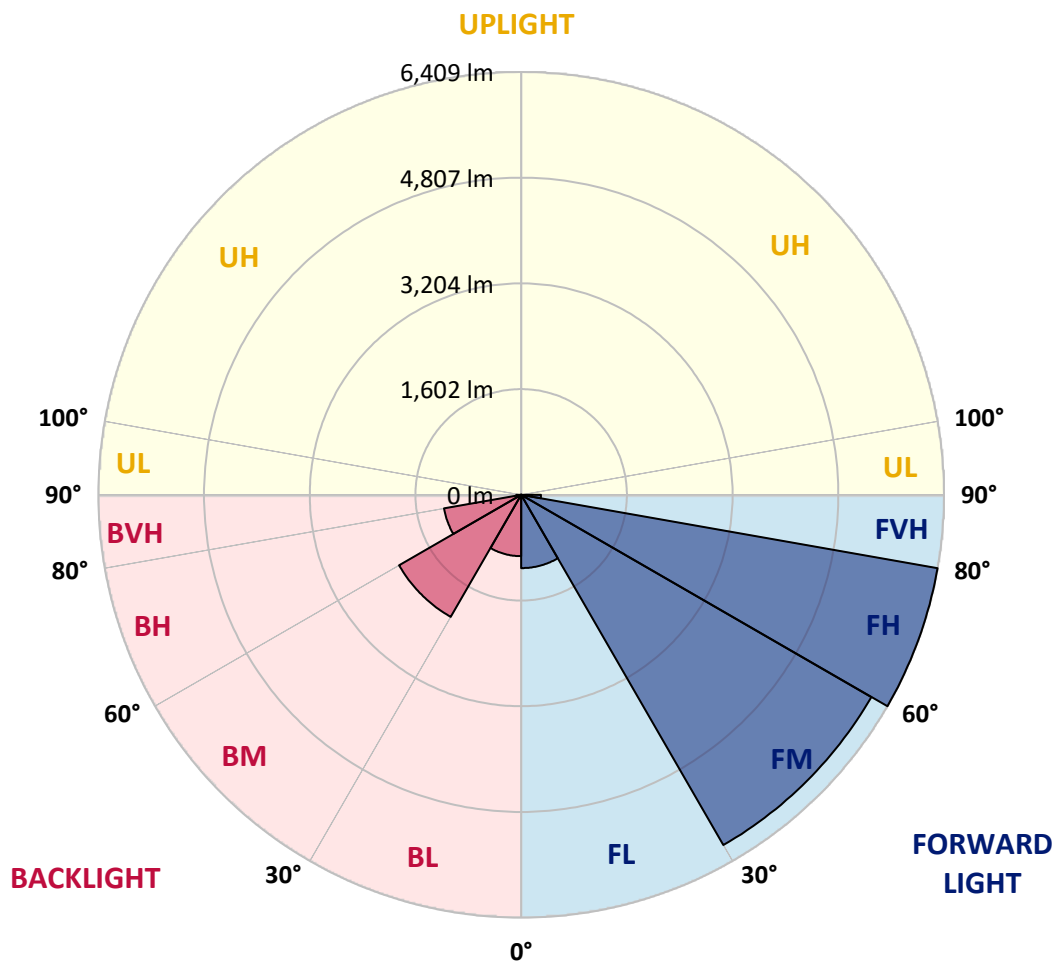
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1111.1	6.1			
FM	(30°-60°)	6129.3	33.5			
FH	(60°-80°)	6409.0	35.1			G3/7500
FVH	(80°-90°)	299.8	1.6			G3/500
BL	(0°-30°)	930.4	5.1	B2/1000		
BM	(30°-60°)	2137.2	11.7	B2/2500		
BH	(60°-80°)	1188.2	6.5	B3/2500		G3/2500
BVH	(80°-90°)	72.2	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°	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3
2.5°	2041.5	2032.9	2034.2	2037.8	2025.5	2019.4	2005.8	1997.2	1996.0	1994.7	1989.8
5°	2161.0	2152.4	2156.1	2146.2	2122.8	2106.8	2078.5	2063.7	2061.2	2058.8	2052.6
7.5°	2285.3	2274.3	2261.9	2250.9	2225.0	2199.1	2162.2	2140.0	2137.6	2133.9	2130.2
10°	2433.1	2417.1	2407.2	2372.8	2328.4	2292.7	2255.8	2232.4	2231.2	2227.5	2220.1
12.5°	2599.3	2582.1	2563.6	2518.1	2449.1	2396.2	2353.1	2339.5	2328.4	2329.7	2322.3
15°	2764.3	2745.9	2721.2	2663.4	2572.2	2493.4	2438.0	2418.3	2419.6	2413.4	2417.1
17.5°	2903.5	2887.5	2851.8	2777.9	2672.0	2563.6	2493.4	2484.8	2487.3	2486.0	2489.7
20°	2994.6	2984.7	2930.6	2841.9	2722.5	2603.0	2531.6	2531.6	2532.8	2537.8	2546.4
22.5°	3050.0	3035.2	2963.8	2839.4	2721.2	2621.5	2566.1	2578.4	2585.8	2589.5	2603.0
25°	3080.8	3062.3	2965.0	2800.0	2679.4	2635.0	2617.8	2648.6	2660.9	2667.1	2689.2
27.5°	3080.8	3058.6	2949.0	2750.8	2631.3	2675.7	2716.3	2769.3	2777.9	2796.3	2822.2
30°	3046.3	3029.1	2924.4	2713.8	2619.0	2752.0	2875.1	2935.5	2956.4	2977.3	3010.6
32.5°	3009.4	2994.6	2912.1	2733.5	2688.0	2912.1	3117.7	3200.2	3212.5	3229.8	3264.2
35°	3006.9	3002.0	2966.3	2859.1	2896.1	3205.1	3483.4	3540.1	3574.5	3583.2	3597.9
37.5°	3032.8	3042.6	3073.4	3062.3	3195.3	3641.0	3962.4	4075.7	4102.8	4088.0	4101.5
40°	3093.1	3117.7	3232.2	3373.8	3652.1	4168.0	4615.0	4745.5	4775.1	4766.5	4762.8
42.5°	3283.9	3317.2	3485.9	3788.8	4127.4	4713.5	5220.8	5361.2	5371.0	5376.0	5344.0
45°	3583.2	3601.6	3825.7	4212.4	4642.1	5300.9	5825.4	5981.8	5975.6	5951.0	5927.6
47.5°	3923.0	3961.2	4229.6	4697.5	5174.0	5843.9	6437.4	6590.1	6603.6	6581.4	6538.3
50°	4232.1	4261.6	4564.5	5119.9	5643.2	6295.8	6953.3	7107.2	7104.8	7117.1	7129.4
52.5°	4475.9	4503.0	4791.1	5401.8	5987.9	6675.0	7342.4	7532.0	7561.6	7581.3	7605.9
55°	4601.5	4629.8	4895.8	5518.8	6197.3	7045.7	7791.8	8064.0	8114.4	8158.8	8199.4
57.5°	4603.9	4640.9	4884.7	5510.2	6305.6	7376.9	8386.6	8875.4	8946.8	9060.1	9199.2
60°	4528.8	4580.5	4799.7	5430.2	6430.0	7796.8	9366.7	10302.5	10442.9	10641.1	10819.7
62.5°	4333.0	4384.8	4580.5	5227.0	6575.3	8334.8	10782.7	12154.4	12453.6	12672.8	13026.2
65°	4024.0	4073.2	4238.2	4890.8	6459.5	8759.7	11838.0	13483.0	13788.4	14063.0	14477.9
67°	3748.2	3753.1	3892.2	4505.4	6008.9	8627.9	12049.8	13660.3	13942.3	14220.6	14702.0
67.5°	3650.9	3678.0	3786.3	4377.4	5837.7	8530.6	11966.0	13564.3	13837.6	14134.4	14625.7
70°	2951.5	2958.9	3063.5	3492.0	4632.3	7072.7	10748.2	12339.1	12526.3	12960.9	13443.6
72.5°	1800.2	1787.9	1821.1	2138.8	3048.8	4898.2	8605.7	10158.4	10414.6	10785.2	11111.5
75°	991.2	1050.3	1091.0	1311.4	1712.8	2880.1	5859.9	7349.8	7725.3	7945.8	8011.0
77.5°	605.8	600.9	619.4	845.9	1404.9	1970.1	3237.2	4312.1	4521.4	4584.2	4341.7
80°	288.1	299.2	295.5	348.5	680.9	1662.3	2263.2	2769.3	2875.1	2935.5	3014.3
82.5°	157.6	163.8	185.9	208.1	268.4	715.4	1952.9	2553.8	2625.2	2728.6	2844.4
85°	98.5	103.4	142.8	150.2	165.0	220.4	813.9	1492.4	1552.7	1758.3	1823.6
87.5°	40.6	44.3	77.6	70.2	83.7	77.6	246.3	379.2	402.6	428.5	475.3
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):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3
2.5°	1991.1	1989.8	1984.9	1983.7	1986.1	1986.1	1983.7	1980.0	1978.7	1977.5	1975.0
5°	2050.2	2047.7	2044.0	2041.5	2040.3	2040.3	2036.6	2032.9	2029.2	2024.3	2023.1
7.5°	2120.3	2120.3	2119.1	2115.4	2111.7	2106.8	2103.1	2099.4	2095.7	2093.3	2089.6
10°	2212.7	2217.6	2209.0	2206.5	2205.3	2197.9	2196.7	2193.0	2190.5	2184.4	2184.4
12.5°	2322.3	2317.4	2316.1	2311.2	2311.2	2307.5	2306.3	2305.0	2302.6	2297.7	2296.4
15°	2413.4	2413.4	2412.2	2409.7	2412.2	2409.7	2406.0	2408.5	2404.8	2406.0	2402.3
17.5°	2487.3	2492.2	2491.0	2492.2	2491.0	2491.0	2493.4	2493.4	2495.9	2491.0	2492.2
20°	2548.8	2556.2	2559.9	2557.5	2559.9	2561.2	2567.3	2569.8	2573.5	2575.9	2575.9
22.5°	2612.9	2622.7	2630.1	2630.1	2635.0	2640.0	2651.0	2653.5	2662.1	2660.9	2667.1
25°	2702.8	2718.8	2723.7	2731.1	2737.2	2745.9	2759.4	2765.6	2769.3	2777.9	2787.7
27.5°	2840.7	2860.4	2864.1	2872.7	2888.7	2893.6	2908.4	2914.5	2928.1	2946.6	2950.3
30°	3029.1	3053.7	3054.9	3064.8	3083.2	3089.4	3101.7	3117.7	3128.8	3147.3	3148.5
32.5°	3285.2	3309.8	3306.1	3324.6	3323.4	3341.8	3338.1	3362.8	3372.6	3382.5	3409.5
35°	3626.3	3623.8	3642.3	3648.4	3644.7	3659.5	3657.0	3668.1	3678.0	3678.0	3707.5
37.5°	4117.6	4113.9	4111.4	4085.5	4079.4	4080.6	4075.7	4085.5	4069.5	4069.5	4101.5
40°	4776.3	4754.2	4736.9	4719.7	4702.4	4679.0	4659.3	4654.4	4627.3	4626.1	4613.8
42.5°	5348.9	5327.9	5315.6	5282.4	5265.2	5261.5	5213.4	5199.9	5192.5	5197.4	5185.1
45°	5949.8	5927.6	5880.8	5866.0	5861.1	5835.3	5827.9	5794.6	5784.8	5802.0	5795.9
47.5°	6569.1	6537.1	6511.3	6494.0	6487.9	6465.7	6433.7	6460.8	6447.2	6437.4	6418.9
50°	7125.7	7090.0	7090.0	7059.2	7064.1	7049.3	7016.1	7023.5	6985.3	7000.1	6990.2
52.5°	7592.4	7594.8	7607.1	7572.7	7578.8	7578.8	7567.7	7532.0	7541.9	7536.9	7560.3
55°	8185.9	8226.5	8204.3	8210.5	8217.9	8252.4	8277.0	8256.0	8221.6	8248.7	8323.8
57.5°	9223.9	9260.8	9283.0	9300.2	9328.5	9344.5	9477.5	9496.0	9456.6	9537.9	9705.3
60°	11029.0	11073.3	11139.8	11227.2	11245.7	11357.8	11426.7	11508.0	11537.5	11607.7	11787.5
62.5°	13199.8	13299.6	13311.9	13422.7	13508.9	13404.2	13431.3	13531.0	13417.8	13572.9	13580.3
65°	14620.8	14766.1	14771.0	14811.6	14843.6	14745.1	14700.8	14656.5	14549.4	14543.2	14650.3
67°	14864.6	14997.6	15053.0	15072.7	15067.7	15017.3	14944.6	14816.6	14713.1	14654.0	14698.3
67.5°	14795.6	14926.1	15003.7	15022.2	15023.4	14974.2	14907.7	14768.5	14671.3	14604.8	14651.6
70°	13662.8	13968.2	14101.2	14032.2	14071.6	14071.6	14069.1	13941.1	13893.1	13829.0	13804.4
72.5°	11360.2	11572.0	11740.7	11650.8	11661.9	11745.6	11725.9	11739.5	11601.6	11586.8	11359.0
75°	8137.8	8205.6	8148.9	8212.9	7868.2	7745.0	7535.7	7230.3	7150.3	7023.5	6644.2
77.5°	4323.2	4246.8	4095.4	4083.1	3941.5	3831.9	3696.4	3607.8	3383.7	3259.3	2974.9
80°	3053.7	3090.6	3148.5	3183.0	3215.0	3239.6	3189.1	3047.5	2860.4	2651.0	2452.8
82.5°	2917.0	2967.5	3002.0	3019.2	3006.9	2967.5	2851.8	2716.3	2466.3	2285.3	2071.1
85°	1839.6	1880.2	1810.0	1795.3	1826.1	1577.3	1440.7	1329.8	1077.4	1002.3	885.3
87.5°	493.8	520.9	522.1	506.1	496.2	437.1	386.6	342.3	283.2	266.0	215.5
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3
2.5°	1975.0	1973.8	1973.8	1970.1	1967.7	1966.4	1965.2	1961.5	1959.0	1959.0	1957.8
5°	2021.8	2019.4	2015.7	2014.5	2009.5	2007.1	2002.1	1999.7	1996.0	1993.5	1992.3
7.5°	2088.3	2082.2	2074.8	2076.0	2068.6	2064.9	2062.5	2057.5	2053.9	2050.2	2048.9
10°	2177.0	2175.8	2168.4	2170.8	2157.3	2163.4	2151.1	2152.4	2145.0	2137.6	2136.4
12.5°	2290.3	2289.0	2281.6	2273.0	2270.6	2271.8	2264.4	2265.6	2257.0	2254.6	2252.1
15°	2398.6	2396.2	2392.5	2386.3	2382.6	2381.4	2378.9	2376.5	2369.1	2369.1	2360.5
17.5°	2492.2	2493.4	2488.5	2483.6	2481.1	2477.4	2476.2	2476.2	2470.0	2463.9	2465.1
20°	2574.7	2577.2	2577.2	2573.5	2574.7	2572.2	2571.0	2573.5	2567.3	2564.9	2561.2
22.5°	2667.1	2667.1	2668.3	2670.7	2674.4	2675.7	2675.7	2673.2	2669.5	2668.3	2660.9
25°	2795.1	2790.2	2796.3	2798.8	2798.8	2805.0	2802.5	2803.7	2805.0	2801.3	2797.6
27.5°	2956.4	2951.5	2963.8	2972.4	2971.2	2974.9	2982.3	2973.7	2978.6	2982.3	2973.7
30°	3154.7	3167.0	3175.6	3181.7	3179.3	3190.4	3194.1	3192.8	3189.1	3195.3	3195.3
32.5°	3407.1	3400.9	3423.1	3436.6	3437.9	3435.4	3441.6	3448.9	3442.8	3452.6	3447.7
35°	3707.5	3711.2	3716.1	3730.9	3737.1	3727.2	3737.1	3745.7	3743.2	3744.5	3749.4
37.5°	4095.4	4101.5	4096.6	4097.9	4095.4	4142.2	4149.6	4157.0	4148.3	4141.0	4163.1
40°	4633.5	4633.5	4632.3	4648.3	4621.2	4650.7	4642.1	4663.0	4685.2	4672.9	4706.1
42.5°	5163.0	5192.5	5195.0	5171.6	5191.3	5223.3	5223.3	5236.8	5256.5	5236.8	5268.8
45°	5770.0	5806.9	5800.8	5840.2	5810.6	5847.6	5853.7	5836.5	5879.6	5884.5	5872.2
47.5°	6432.4	6439.8	6441.1	6454.6	6460.8	6490.3	6489.1	6521.1	6511.3	6462.0	6479.2
50°	7000.1	7018.6	7028.4	7037.0	7067.8	7088.7	7117.1	7122.0	7114.6	7099.8	7086.3
52.5°	7567.7	7612.1	7640.4	7716.7	7764.7	7802.9	7849.7	7866.9	7858.3	7854.6	7800.5
55°	8327.5	8433.4	8597.1	8703.0	8818.8	8886.5	8940.7	8967.8	8948.0	8957.9	8845.8
57.5°	9758.3	10007.0	10149.8	10330.8	10535.2	10620.2	10643.6	10739.6	10633.7	10527.8	10442.9
60°	11884.8	12113.8	12373.6	12559.5	12628.5	12863.7	12752.8	12628.5	12515.2	12296.0	12048.5
62.5°	13804.4	14099.9	14232.9	14406.5	14359.7	14340.0	14266.1	14067.9	13825.3	13499.0	13169.0
65°	14751.3	14917.5	15000.0	15056.7	15003.7	14867.0	14623.2	14330.2	13982.9	13560.6	13127.2
67°	14789.5	14865.8	14892.9	14838.7	14720.5	14507.5	14199.7	13784.7	13357.4	12873.5	12385.9
67.5°	14726.7	14777.1	14790.7	14705.7	14565.4	14335.1	14006.3	13563.1	13108.7	12606.3	12116.3
70°	13869.7	13832.7	13713.3	13596.3	13158.0	12848.9	12276.3	11803.5	11173.1	10711.3	10188.0
72.5°	11267.9	11099.2	10983.4	10466.3	9936.8	9630.2	9014.5	8449.4	7874.3	7434.7	7113.4
75°	6325.3	6202.2	5880.8	5607.5	5170.3	4770.2	4483.3	4123.7	3778.9	3574.5	3424.3
77.5°	2857.9	2505.7	2263.2	1956.6	1581.0	1270.7	943.2	871.8	743.7	711.7	641.5
80°	2229.9	1977.5	1659.8	1308.9	923.5	620.6	455.6	386.6	363.2	348.5	341.1
82.5°	1860.5	1533.0	1290.4	916.1	586.1	394.0	296.7	268.4	251.2	238.9	227.8
85°	795.4	629.2	518.4	370.6	263.5	208.1	182.2	166.2	150.2	136.7	128.1
87.5°	185.9	142.8	130.5	110.8	104.7	103.4	102.2	97.3	91.1	83.7	75.1
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3
2.5°	1956.6	1955.3	1952.9	1949.2	1949.2	1944.3	1928.3	1917.2	1904.9	1897.5	1890.1
5°	1989.8	1988.6	1982.4	1978.7	1976.3	1966.4	1939.3	1918.4	1896.2	1880.2	1867.9
7.5°	2045.2	2041.5	2036.6	2034.2	2026.8	2014.5	1975.0	1945.5	1913.5	1887.6	1866.7
10°	2135.1	2129.0	2121.6	2114.2	2116.7	2096.9	2051.4	2008.3	1961.5	1920.9	1892.5
12.5°	2244.7	2244.7	2241.0	2236.1	2227.5	2205.3	2143.7	2093.3	2036.6	1986.1	1965.2
15°	2360.5	2354.3	2348.1	2340.8	2339.5	2310.0	2254.6	2196.7	2137.6	2094.5	2069.9
17.5°	2455.3	2457.7	2449.1	2446.6	2444.2	2414.6	2355.5	2303.8	2260.7	2215.2	2175.8
20°	2556.2	2551.3	2548.8	2545.2	2543.9	2519.3	2472.5	2440.5	2402.3	2333.4	2229.9
22.5°	2664.6	2658.4	2660.9	2653.5	2652.3	2635.0	2600.6	2590.7	2534.1	2388.8	2209.0
25°	2805.0	2793.9	2797.6	2797.6	2798.8	2782.8	2779.1	2761.9	2619.0	2375.2	2125.3
27.5°	2972.4	2977.3	2977.3	2976.1	2967.5	2972.4	2989.7	2930.6	2648.6	2303.8	1999.7
30°	3190.4	3192.8	3195.3	3203.9	3185.4	3217.5	3238.4	3050.0	2626.4	2205.3	1842.1
32.5°	3455.1	3445.3	3450.2	3455.1	3461.3	3494.5	3482.2	3110.3	2561.2	2071.1	1646.3
35°	3746.9	3765.4	3770.3	3781.4	3793.7	3844.2	3702.6	3122.6	2461.4	1891.3	1396.3
37.5°	4181.6	4211.1	4211.1	4250.5	4227.1	4288.7	3899.6	3093.1	2310.0	1641.4	1114.4
40°	4729.5	4743.1	4756.6	4761.5	4749.2	4741.8	4028.9	3020.4	2096.9	1327.4	815.1
42.5°	5288.5	5283.6	5284.9	5293.5	5260.2	5121.1	4108.9	2893.6	1832.2	991.2	584.9
45°	5890.7	5869.7	5863.6	5846.3	5816.8	5523.7	4154.5	2715.1	1483.7	696.9	459.3
47.5°	6476.8	6450.9	6411.5	6363.5	6306.9	5847.6	4149.6	2483.6	1137.7	498.7	405.1
50°	7077.7	7032.1	6947.1	6900.4	6804.3	6168.9	4121.2	2226.2	818.8	412.5	379.2
52.5°	7764.7	7683.5	7604.7	7511.1	7352.3	6564.2	4078.2	1936.9	597.2	378.0	362.0
55°	8789.2	8656.2	8526.9	8332.4	8178.5	7093.7	4005.5	1625.4	471.6	364.5	352.2
57.5°	10201.5	9975.0	9811.2	9548.9	9302.7	7826.3	3927.9	1342.1	421.1	360.8	347.2
60°	11791.2	11450.1	11144.7	10822.1	10541.4	8741.2	3887.3	1120.5	410.0	364.5	348.5
62.5°	12788.6	12385.9	12004.2	11610.2	11206.3	9178.3	3711.2	967.8	415.0	380.5	358.3
65°	12663.0	12218.5	11803.5	11323.3	10942.8	8765.8	3263.0	818.8	423.6	408.8	385.4
67°	11815.8	11384.8	10912.0	10441.6	10072.3	7981.5	2754.5	689.5	433.4	440.8	415.0
67.5°	11589.2	11104.1	10627.6	10195.4	9795.2	7738.9	2621.5	657.5	435.9	449.4	424.8
70°	9664.7	9280.5	8722.7	8402.6	8113.2	6273.6	1955.3	511.0	443.3	487.6	471.6
72.5°	6762.4	6390.6	6098.8	5923.9	5755.2	4558.4	1375.4	407.6	432.2	508.5	492.5
75°	3415.7	3330.7	3228.5	3171.9	3174.4	2649.8	828.7	347.2	406.3	487.6	447.0
77.5°	674.8	657.5	664.9	727.7	716.6	816.4	411.3	294.3	346.0	375.6	321.4
80°	326.3	315.2	305.4	302.9	296.7	284.4	258.6	245.0	280.7	247.5	213.0
82.5°	211.8	199.5	194.5	184.7	185.9	201.9	225.3	235.2	227.8	171.2	144.1
85°	119.4	118.2	115.7	118.2	123.1	161.3	241.3	220.4	183.5	120.7	108.4
87.5°	71.4	67.7	69.0	70.2	72.6	119.4	190.9	158.8	117.0	62.8	64.0
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°	1944.3	1944.3	1944.3	1944.3
2.5°	1888.9	1883.9	1883.9	1882.7
5°	1858.1	1850.7	1849.5	1849.5
7.5°	1853.1	1843.3	1842.1	1838.4
10°	1875.3	1871.6	1872.8	1869.2
12.5°	1945.5	1950.4	1955.3	1955.3
15°	2052.6	2048.9	2055.1	2048.9
17.5°	2131.4	2099.4	2092.0	2088.3
20°	2133.9	2067.4	2045.2	2041.5
22.5°	2057.5	1959.0	1922.1	1915.9
25°	1928.3	1803.9	1757.1	1752.2
27.5°	1765.7	1626.6	1557.6	1555.2
30°	1569.9	1404.9	1317.5	1304.0
32.5°	1331.1	1135.3	1042.9	1013.4
35°	1055.2	854.5	768.3	765.9
37.5°	788.0	631.7	576.3	573.8
40°	577.5	496.2	475.3	471.6
42.5°	471.6	438.4	429.7	426.0
45°	422.3	408.8	403.9	400.2
47.5°	392.8	384.2	380.5	380.5
50°	369.4	366.9	364.5	364.5
52.5°	353.4	352.2	349.7	348.5
55°	339.8	334.9	336.2	334.9
57.5°	331.2	323.8	323.8	323.8
60°	326.3	312.8	312.8	314.0
62.5°	327.5	306.6	305.4	305.4
65°	337.4	302.9	295.5	296.7
67°	349.7	299.2	284.4	283.2
67.5°	353.4	296.7	280.7	279.5
70°	368.2	289.4	262.3	259.8
72.5°	370.6	278.3	243.8	241.3
75°	344.8	263.5	229.0	222.9
77.5°	268.4	226.6	206.9	206.9
80°	188.4	173.6	147.8	146.5
82.5°	137.9	130.5	108.4	105.9
85°	101.0	94.8	80.0	80.0
87.5°	62.8	60.3	51.7	49.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)