

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: P144872

Luminaire Tested: **LDRL-SL2-E06-E-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144872
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL2-E06-E-7060
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (126) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18026.5 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

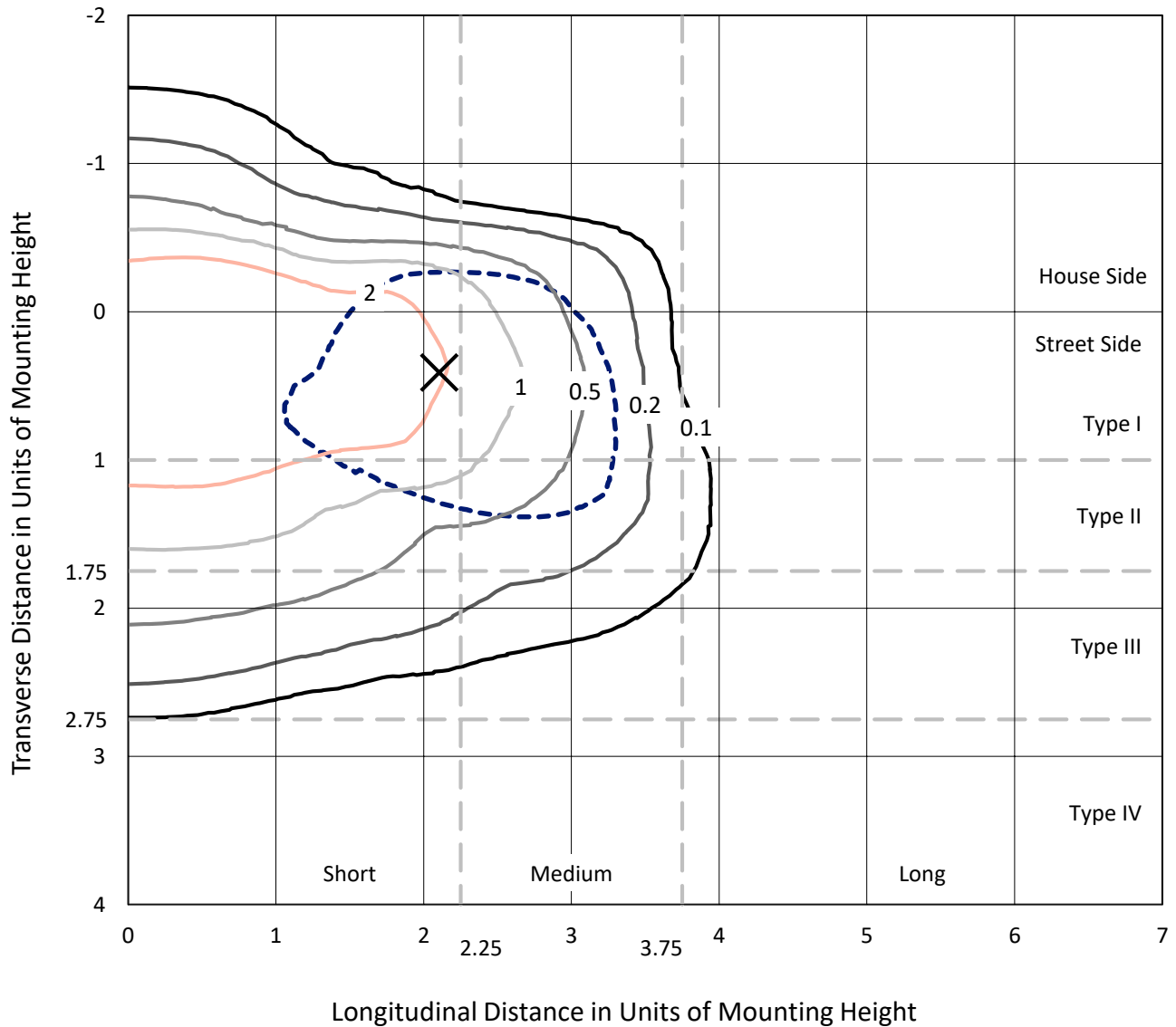
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

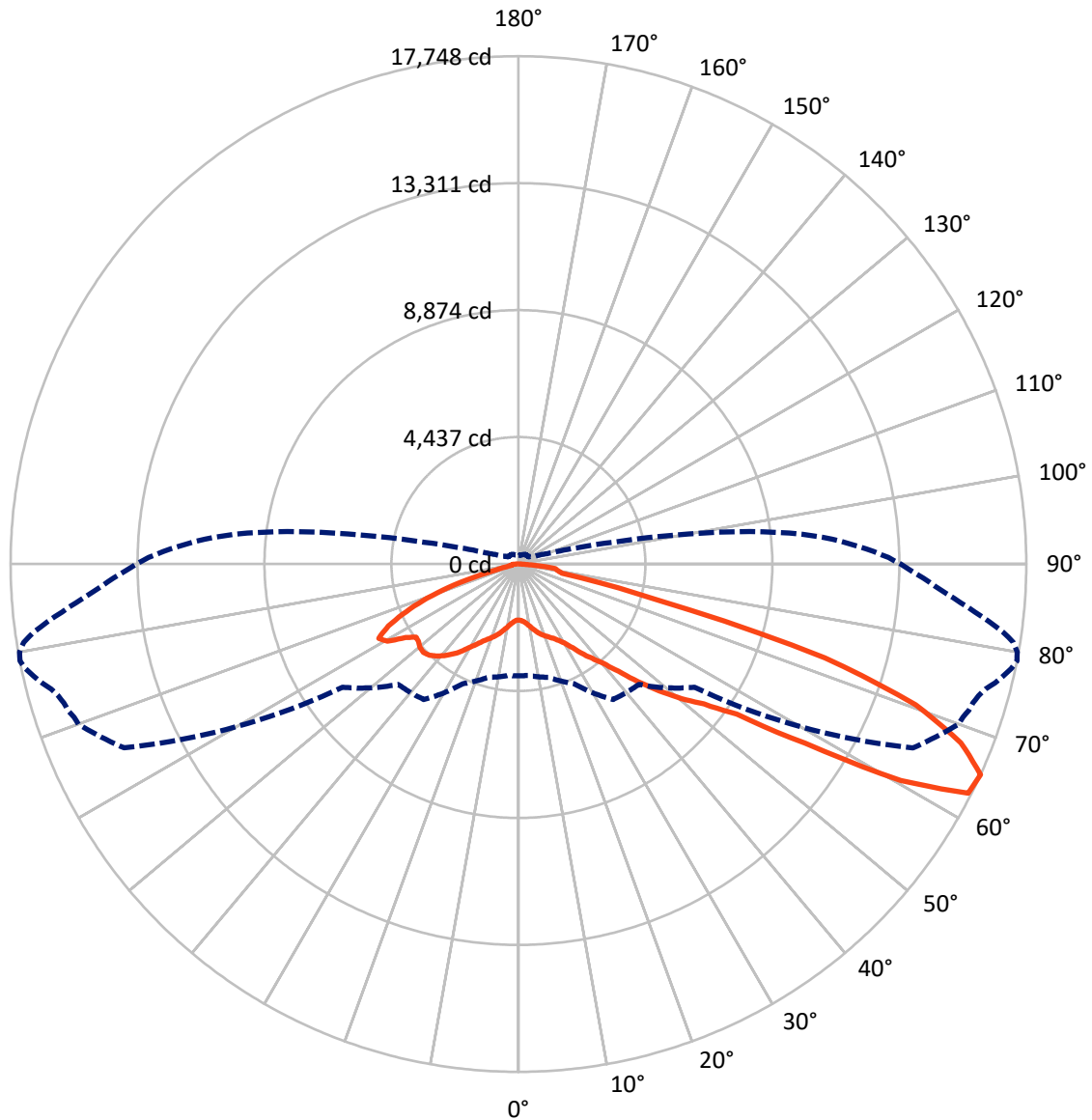


Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4091.8	0.0	4091.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	13934.7	0.0	13934.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	18026.5	0.0	18026.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	1.1
10°-20°	633.0	3.5
20°-30°	1091.3	6.1
30°-40°	1779.6	9.9
40°-50°	2970.9	16.5
50°-60°	4017.2	22.3
60°-70°	4990.6	27.7
70°-80°	1998.4	11.1
80°-90°	351.1	1.9
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°	18026.5	100.0
0°-180°	18026.5	100.0



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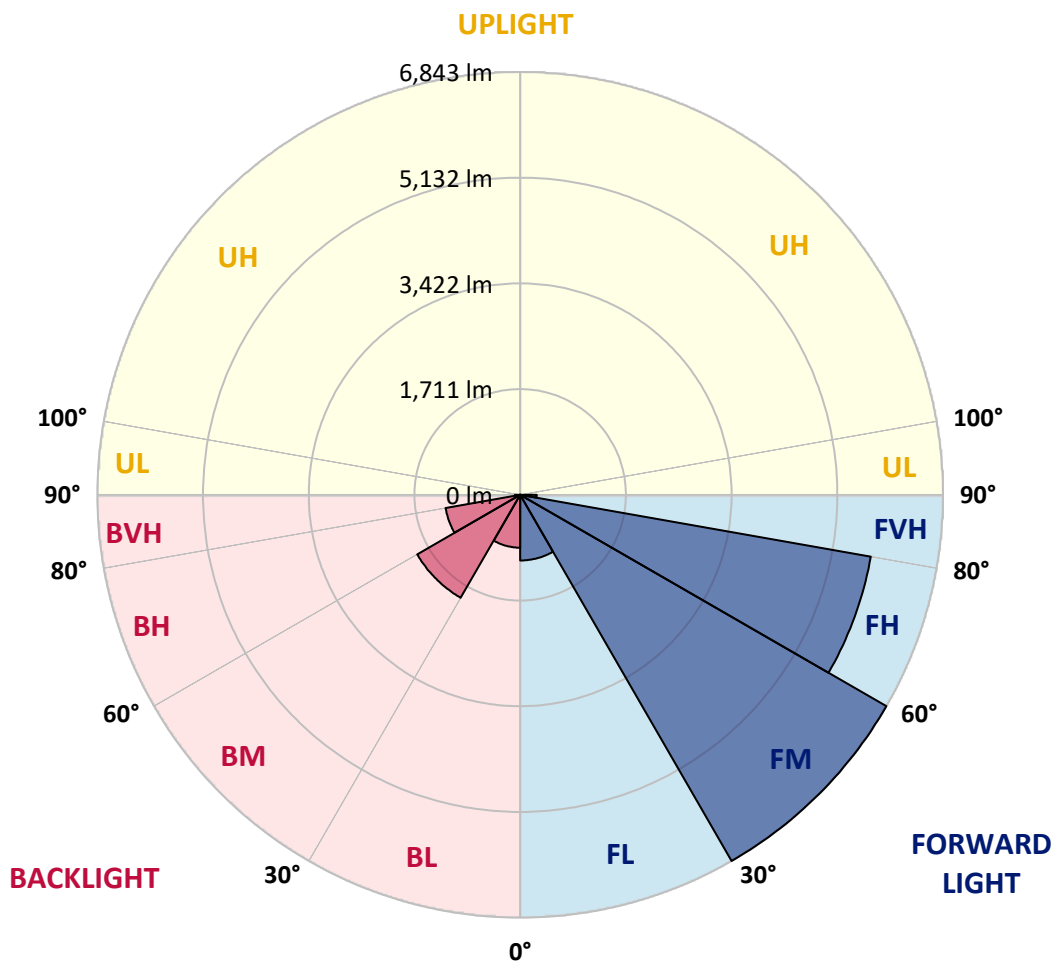
CATALOG NUMBER: LDRL-SL2-E06-E-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1063.0	5.9			
FM	(30°-60°)	6843.1	38.0			
FH	(60°-80°)	5762.3	32.0			G3/7500
FVH	(80°-90°)	266.3	1.5			G3/500
BL	(0°-30°)	855.8	4.7	B2/1000		
BM	(30°-60°)	1924.5	10.7	B2/2500		
BH	(60°-80°)	1226.7	6.8	B3/2500		G3/2500
BVH	(80°-90°)	84.8	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0
2.5°	1973.8	1972.6	1978.7	1983.7	1983.7	1986.1	1984.9	1977.5	1978.7	1981.2	1978.7
5°	1996.0	1991.1	1997.2	2004.6	2009.5	2015.7	2021.8	2023.1	2028.0	2028.0	2026.8
7.5°	2044.0	2040.3	2048.9	2051.4	2062.5	2072.3	2084.6	2093.3	2098.2	2100.6	2104.3
10°	2126.5	2124.0	2126.5	2131.4	2136.4	2147.4	2168.4	2186.8	2197.9	2197.9	2202.8
12.5°	2226.2	2216.4	2218.9	2209.0	2211.5	2234.9	2259.5	2290.3	2308.7	2311.2	2313.7
15°	2303.8	2298.9	2295.2	2281.6	2291.5	2322.3	2360.5	2404.8	2420.8	2434.3	2433.1
17.5°	2376.5	2370.3	2361.7	2343.2	2353.1	2402.3	2460.2	2509.4	2536.5	2539.0	2541.5
20°	2462.7	2455.3	2439.3	2401.1	2398.6	2467.6	2545.2	2598.1	2622.7	2633.8	2637.5
22.5°	2572.2	2562.4	2532.8	2459.0	2439.3	2520.5	2612.9	2678.1	2704.0	2715.1	2721.2
25°	2712.6	2692.9	2646.1	2530.4	2489.7	2574.7	2685.5	2764.3	2800.0	2811.1	2818.5
27.5°	2839.4	2824.7	2768.0	2631.3	2561.2	2647.4	2774.2	2875.1	2924.4	2937.9	2949.0
30°	2987.2	2966.3	2920.7	2775.4	2681.8	2758.2	2919.5	3047.5	3107.9	3109.1	3133.7
32.5°	3334.4	3320.9	3279.0	3119.0	2961.3	2966.3	3116.5	3292.6	3352.9	3362.8	3384.9
35°	3849.1	3844.2	3843.0	3754.3	3637.3	3516.7	3527.8	3662.0	3702.6	3718.6	3726.0
37.5°	4187.7	4230.8	4335.5	4399.5	4370.0	4395.8	4260.4	4096.6	4073.2	4056.0	4063.4
40°	4479.6	4517.7	4729.5	5025.0	5204.8	5331.6	5212.2	4709.8	4522.7	4468.5	4447.6
42.5°	4652.0	4695.0	4998.0	5470.8	5928.8	6229.3	6261.3	5563.1	5087.8	5081.7	5002.9
45°	4745.5	4788.6	5150.6	5787.2	6434.9	6976.7	7257.4	6613.5	5915.3	5863.6	5754.0
47.5°	4727.1	4767.7	5144.5	5904.2	6734.1	7472.9	8034.4	7674.9	6869.6	6745.2	6593.8
50°	4501.7	4531.3	4926.5	5713.4	6654.1	7679.8	8566.3	8648.8	7949.4	7780.8	7554.2
52.5°	4269.0	4322.0	4649.5	5374.7	6290.8	7551.7	8884.0	9535.4	8957.9	8842.2	8551.6
55°	4143.4	4185.3	4452.5	5071.8	5907.9	7114.6	9015.8	10371.5	10183.1	10136.3	9930.6
57.5°	4138.5	4179.1	4392.1	4888.4	5596.4	6659.0	9053.9	11663.1	12216.0	12228.3	12169.2
60°	4340.4	4382.3	4560.8	4977.0	5500.3	6268.7	8917.3	13495.3	14716.8	14825.2	15006.2
62.5°	4368.7	4388.4	4603.9	5165.4	5850.0	5976.9	8354.6	15021.0	16435.7	16535.5	16635.2
65°	3908.2	3907.0	4097.9	4615.0	5777.4	5947.3	7508.6	15208.1	16366.8	16427.1	16551.5
67.5°	2914.5	2889.9	2998.3	3471.1	4584.2	5954.7	6506.3	13795.8	15091.1	15205.7	15247.5
70°	1502.2	1540.4	1614.3	1903.6	2910.9	4793.6	5589.0	11639.7	13247.8	13290.9	13439.9
72.5°	616.9	600.9	651.4	800.4	1456.7	3168.2	4623.6	9185.7	10941.6	10912.0	10939.1
75°	343.5	348.5	363.2	417.4	708.0	1590.9	3972.3	6502.6	7440.9	6931.1	6777.2
77.5°	275.8	278.3	279.5	289.4	386.6	848.4	3048.8	4282.6	3742.0	3474.8	3372.6
80°	201.9	215.5	230.3	232.7	266.0	481.4	1672.1	3605.3	3158.4	2936.7	2754.5
82.5°	162.5	168.7	200.7	205.6	211.8	286.9	757.3	3386.1	3146.0	2919.5	2668.3
85°	97.3	108.4	163.8	165.0	167.5	174.8	418.7	1379.1	1715.2	1515.8	1387.7
87.5°	34.5	44.3	81.3	67.7	86.2	71.4	183.5	461.7	568.9	540.6	479.0
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0
2.5°	1977.5	1977.5	1980.0	1978.7	1978.7	1978.7	1978.7	1976.3	1976.3	1972.6	1975.0
5°	2026.8	2025.5	2026.8	2028.0	2026.8	2029.2	2028.0	2026.8	2028.0	2026.8	2028.0
7.5°	2105.6	2099.4	2108.0	2103.1	2101.9	2109.3	2105.6	2109.3	2110.5	2109.3	2108.0
10°	2205.3	2209.0	2209.0	2209.0	2206.5	2213.9	2215.2	2217.6	2218.9	2223.8	2223.8
12.5°	2319.8	2321.1	2326.0	2324.7	2327.2	2335.8	2342.0	2343.2	2344.4	2348.1	2343.2
15°	2443.0	2445.4	2445.4	2456.5	2452.8	2465.1	2468.8	2468.8	2470.0	2484.8	2486.0
17.5°	2552.5	2552.5	2562.4	2562.4	2572.2	2574.7	2585.8	2587.0	2591.9	2605.5	2606.7
20°	2644.9	2649.8	2656.0	2663.4	2667.1	2674.4	2681.8	2689.2	2695.4	2706.5	2707.7
22.5°	2732.3	2737.2	2747.1	2752.0	2760.6	2765.6	2771.7	2780.3	2790.2	2805.0	2808.7
25°	2833.3	2838.2	2849.3	2856.7	2866.5	2873.9	2885.0	2896.1	2902.2	2917.0	2928.1
27.5°	2961.3	2976.1	2990.9	2994.6	3002.0	3019.2	3034.0	3048.8	3062.3	3069.7	3083.2
30°	3148.5	3148.5	3179.3	3179.3	3192.8	3208.8	3218.7	3234.7	3259.3	3266.7	3283.9
32.5°	3399.7	3405.8	3416.9	3450.2	3474.8	3482.2	3489.6	3513.0	3527.8	3546.2	3567.2
35°	3758.0	3764.2	3770.3	3802.3	3830.7	3838.0	3845.4	3860.2	3884.8	3916.8	3907.0
37.5°	4079.4	4083.1	4102.8	4138.5	4154.5	4174.2	4180.4	4207.4	4221.0	4250.5	4251.8
40°	4466.0	4457.4	4468.5	4509.1	4533.7	4532.5	4552.2	4601.5	4611.3	4624.9	4659.3
42.5°	5005.3	4973.3	5007.8	5021.3	5058.3	5081.7	5121.1	5154.3	5177.7	5229.4	5254.1
45°	5702.3	5669.0	5697.3	5703.5	5779.8	5803.2	5862.3	5906.7	5957.2	6016.3	6033.5
47.5°	6496.5	6434.9	6400.4	6438.6	6529.7	6567.9	6625.8	6667.6	6720.6	6751.4	6741.5
50°	7416.3	7268.5	7199.6	7179.9	7245.1	7299.3	7389.2	7408.9	7433.5	7432.3	7433.5
52.5°	8442.0	8288.1	8144.0	8044.3	8034.4	8107.1	8129.2	8134.1	8126.8	8071.3	8036.9
55°	9781.7	9770.6	9619.1	9412.3	9398.7	9390.1	9260.8	9244.8	9215.2	9130.3	9013.3
57.5°	12212.3	12335.4	12235.7	12230.8	12122.4	12051.0	11813.3	11695.1	11570.8	11340.5	11157.0
60°	15022.2	15200.7	15299.2	15342.3	15554.1	15554.1	15359.6	15192.1	14990.2	14639.2	14296.9
62.5°	16714.0	16870.4	17015.7	17243.5	17513.2	17632.6	17642.4	17493.5	17238.6	16838.4	16354.5
65°	16606.9	16722.6	16898.7	17167.2	17390.0	17604.3	17748.3	17702.8	17508.2	17108.1	16581.0
67.5°	15394.0	15562.7	15790.5	16038.0	16244.9	16446.8	16679.5	16696.8	16645.1	16264.6	15788.1
70°	13522.4	13739.1	13883.2	14194.7	14288.3	14492.7	14726.7	14838.7	14755.0	14461.9	14182.4
72.5°	10985.9	11157.0	11181.7	11046.2	11093.0	11143.5	11200.1	10937.9	10836.9	10445.3	10265.6
75°	6661.5	6436.1	6246.5	6058.1	5495.4	5295.9	4989.3	4384.8	4315.8	3900.8	3612.7
77.5°	3168.2	3073.4	2902.2	2615.3	2233.6	1867.9	1550.2	1259.6	1151.3	948.1	807.8
80°	2652.3	2539.0	2385.1	2172.1	1904.9	1638.9	1387.7	1172.2	955.5	778.2	621.8
82.5°	2433.1	2236.1	2019.4	1835.9	1647.5	1466.5	1297.8	1103.3	988.8	797.9	651.4
85°	1230.1	1077.4	873.0	735.1	620.6	504.8	437.1	373.1	332.5	264.7	230.3
87.5°	412.5	337.4	251.2	213.0	192.1	165.0	151.5	144.1	140.4	124.4	110.8
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0
2.5°	1975.0	1975.0	1975.0	1975.0	1973.8	1973.8	1973.8	1973.8	1973.8	1973.8	1975.0
5°	2025.5	2025.5	2026.8	2030.5	2023.1	2025.5	2028.0	2024.3	2028.0	2024.3	2029.2
7.5°	2106.8	2110.5	2108.0	2113.0	2110.5	2117.9	2113.0	2109.3	2111.7	2111.7	2113.0
10°	2221.3	2226.2	2222.5	2225.0	2225.0	2229.9	2223.8	2225.0	2226.2	2223.8	2225.0
12.5°	2348.1	2350.6	2349.4	2356.8	2353.1	2356.8	2353.1	2358.0	2360.5	2362.9	2362.9
15°	2486.0	2488.5	2495.9	2494.7	2502.1	2499.6	2500.8	2494.7	2507.0	2499.6	2502.1
17.5°	2612.9	2611.6	2621.5	2625.2	2626.4	2627.7	2631.3	2626.4	2627.7	2631.3	2628.9
20°	2711.4	2720.0	2722.5	2732.3	2739.7	2742.2	2740.9	2744.6	2749.6	2744.6	2744.6
22.5°	2816.0	2828.4	2832.1	2838.2	2845.6	2846.8	2854.2	2857.9	2860.4	2859.1	2860.4
25°	2941.6	2950.3	2958.9	2971.2	2979.8	2981.0	2987.2	2992.1	2993.4	2992.1	2999.5
27.5°	3095.6	3106.6	3117.7	3132.5	3142.3	3144.8	3158.4	3158.4	3165.7	3169.4	3171.9
30°	3293.8	3297.5	3325.8	3340.6	3336.9	3354.1	3372.6	3371.4	3380.0	3382.5	3388.6
32.5°	3581.9	3581.9	3606.6	3625.0	3644.7	3638.6	3666.9	3662.0	3675.5	3682.9	3679.2
35°	3931.6	3943.9	3962.4	3973.5	3994.4	4005.5	4025.2	4036.3	4042.4	4041.2	4027.7
37.5°	4292.4	4312.1	4319.5	4346.6	4367.5	4386.0	4388.4	4376.1	4381.1	4356.4	4349.0
40°	4704.9	4733.2	4750.5	4791.1	4788.6	4812.0	4814.5	4778.8	4772.6	4740.6	4707.4
42.5°	5281.2	5320.6	5334.1	5364.9	5340.3	5351.3	5289.8	5275.0	5225.7	5174.0	5098.9
45°	6058.1	6038.4	6047.0	6038.4	5973.2	5925.1	5874.7	5802.0	5729.4	5629.6	5522.5
47.5°	6741.5	6751.4	6687.3	6646.7	6540.8	6473.1	6380.7	6253.9	6165.3	6031.0	5889.4
50°	7405.2	7295.6	7205.7	7112.1	7018.6	6894.2	6755.1	6643.0	6513.7	6346.3	6172.6
52.5°	7944.5	7802.9	7694.6	7561.6	7434.7	7296.8	7151.5	6989.0	6819.1	6651.6	6437.4
55°	8900.0	8694.4	8555.3	8322.5	8178.5	7985.2	7871.9	7661.3	7424.9	7203.3	6975.5
57.5°	10950.2	10642.4	10483.5	10351.8	10127.7	9810.0	9608.0	9262.0	8924.7	8688.2	8309.0
60°	14038.4	13725.6	13462.1	13150.6	12807.0	12376.1	12184.0	11776.4	11293.7	10903.4	10402.2
62.5°	15962.9	15530.7	15103.5	14666.3	14321.6	13984.2	13586.5	13175.2	12697.4	12166.7	11618.8
65°	16040.5	15522.1	15011.1	14565.4	14161.5	13723.1	13350.0	12932.6	12430.2	11883.5	11314.7
67.5°	15235.2	14655.2	14107.3	13618.5	13156.7	12750.4	12360.1	11967.3	11429.2	10971.1	10388.7
70°	13630.8	13101.3	12605.1	12048.5	11695.1	11238.3	10857.8	10444.1	10058.7	9630.2	9084.7
72.5°	10011.9	9613.0	9046.6	8810.1	8620.5	8136.6	7853.4	7818.9	7572.7	7059.2	6651.6
75°	3723.5	3169.4	3002.0	3101.7	2935.5	2990.9	2970.0	2851.8	2856.7	2769.3	2665.8
77.5°	728.9	677.2	636.6	647.7	602.1	582.4	624.3	612.0	589.8	596.0	586.1
80°	496.2	419.9	380.5	365.7	347.2	338.6	336.2	332.5	325.1	321.4	310.3
82.5°	488.8	363.2	286.9	246.3	231.5	224.1	217.9	216.7	214.3	213.0	216.7
85°	194.5	157.6	144.1	131.8	128.1	124.4	124.4	123.1	121.9	124.4	129.3
87.5°	94.8	80.0	72.6	66.5	64.0	62.8	62.8	64.0	65.3	70.2	80.0
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):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0
2.5°	1972.6	1973.8	1971.4	1972.6	1971.4	1968.9	1967.7	1971.4	1970.1	1968.9	1968.9
5°	2023.1	2028.0	2025.5	2023.1	2023.1	2021.8	2021.8	2021.8	2020.6	2021.8	2018.1
7.5°	2110.5	2109.3	2109.3	2106.8	2104.3	2106.8	2105.6	2101.9	2103.1	2100.6	2096.9
10°	2222.5	2218.9	2225.0	2225.0	2220.1	2218.9	2216.4	2212.7	2212.7	2209.0	2209.0
12.5°	2355.5	2351.8	2360.5	2354.3	2346.9	2345.7	2338.3	2335.8	2339.5	2338.3	2335.8
15°	2491.0	2492.2	2495.9	2494.7	2486.0	2486.0	2476.2	2477.4	2470.0	2467.6	2461.4
17.5°	2622.7	2624.0	2620.3	2620.3	2614.1	2610.4	2599.3	2600.6	2595.6	2585.8	2578.4
20°	2740.9	2739.7	2731.1	2738.5	2726.2	2723.7	2713.8	2704.0	2706.5	2696.6	2681.8
22.5°	2856.7	2854.2	2851.8	2848.1	2841.9	2839.4	2828.4	2827.1	2814.8	2800.0	2787.7
25°	2990.9	2989.7	2986.0	2987.2	2974.9	2976.1	2956.4	2951.5	2944.1	2928.1	2918.2
27.5°	3164.5	3164.5	3154.7	3151.0	3147.3	3142.3	3125.1	3112.8	3094.3	3075.9	3056.2
30°	3377.5	3375.1	3372.6	3362.8	3349.2	3341.8	3311.0	3291.3	3266.7	3232.2	3202.7
32.5°	3681.7	3660.7	3643.5	3621.3	3599.2	3575.8	3527.8	3494.5	3455.1	3399.7	3352.9
35°	4020.3	3984.6	3966.1	3920.5	3878.7	3831.9	3774.0	3706.3	3652.1	3579.5	3503.1
37.5°	4299.8	4272.7	4223.4	4171.7	4112.6	4024.0	3958.7	3886.1	3791.3	3711.2	3618.9
40°	4644.6	4583.0	4512.8	4426.6	4345.4	4245.6	4155.7	4051.1	3935.3	3819.6	3698.9
42.5°	5006.6	4911.8	4796.0	4696.3	4573.1	4442.6	4325.7	4184.0	4036.3	3881.1	3719.8
45°	5376.0	5259.0	5105.1	4963.5	4792.3	4628.6	4461.1	4267.8	4065.8	3859.0	3655.8
47.5°	5714.6	5543.4	5368.6	5177.7	4980.7	4770.2	4532.5	4278.9	4012.9	3740.8	3487.1
50°	5980.6	5766.3	5545.9	5325.5	5084.1	4810.8	4511.6	4180.4	3852.8	3526.5	3234.7
52.5°	6215.7	5975.6	5704.7	5431.4	5133.4	4797.2	4422.9	4032.6	3633.6	3272.9	2945.3
55°	6671.3	6369.7	6012.6	5660.4	5283.6	4860.0	4393.4	3915.6	3456.3	3063.5	2715.1
57.5°	7908.8	7501.2	6948.4	6459.5	5981.8	5364.9	4707.4	4118.8	3533.9	3069.7	2681.8
60°	9858.0	9194.3	8561.4	7816.5	7043.2	6197.3	5315.6	4522.7	3809.7	3227.3	2760.6
62.5°	10988.4	10287.7	9473.8	8571.3	7569.0	6538.3	5526.2	4600.2	3818.3	3184.2	2667.1
65°	10683.0	9978.7	9083.5	8160.0	7093.7	6039.7	5034.9	4145.9	3387.4	2801.3	2306.3
67.5°	9776.7	9040.4	8199.4	7174.9	6155.4	5179.0	4262.9	3425.6	2754.5	2207.8	1770.6
70°	8458.0	7802.9	6992.7	6048.3	5059.5	4181.6	3409.5	2654.7	2087.1	1585.9	1241.2
72.5°	6277.3	5697.3	5191.3	4402.0	3678.0	2989.7	2360.5	1847.0	1358.2	1026.9	790.5
75°	2635.0	2439.3	2356.8	2067.4	1797.7	1473.9	1109.4	884.1	716.6	609.5	483.9
77.5°	639.1	639.1	600.9	562.7	517.2	467.9	413.7	369.4	347.2	327.5	311.5
80°	310.3	307.8	298.0	296.7	288.1	277.0	270.9	262.3	258.6	253.7	251.2
82.5°	217.9	216.7	213.0	217.9	216.7	221.6	224.1	225.3	225.3	226.6	227.8
85°	137.9	142.8	152.7	165.0	176.1	189.6	201.9	211.8	219.2	225.3	230.3
87.5°	87.4	99.7	107.1	125.6	144.1	165.0	188.4	198.2	206.9	208.1	200.7
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):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0	1959.0
2.5°	1968.9	1967.7	1970.1	1967.7	1967.7	1966.4	1962.7	1959.0	1955.3	1954.1	1950.4
5°	2016.9	2016.9	2019.4	2014.5	2015.7	2010.8	1999.7	1987.4	1976.3	1966.4	1955.3
7.5°	2098.2	2094.5	2095.7	2094.5	2092.0	2082.2	2057.5	2026.8	1997.2	1966.4	1941.8
10°	2206.5	2199.1	2199.1	2196.7	2193.0	2179.4	2127.7	2066.2	2004.6	1949.2	1908.6
12.5°	2327.2	2328.4	2318.6	2312.4	2306.3	2278.0	2200.4	2101.9	2004.6	1915.9	1850.7
15°	2452.8	2451.6	2440.5	2436.8	2423.3	2381.4	2264.4	2120.3	1981.2	1850.7	1753.4
17.5°	2566.1	2561.2	2550.1	2542.7	2527.9	2472.5	2307.5	2111.7	1919.6	1748.5	1626.6
20°	2669.5	2663.4	2653.5	2640.0	2625.2	2545.2	2323.5	2067.4	1822.4	1626.6	1503.4
22.5°	2776.6	2763.1	2752.0	2733.5	2717.5	2610.4	2312.4	1988.6	1711.5	1491.1	1359.4
25°	2896.1	2880.1	2856.7	2834.5	2809.9	2663.4	2281.6	1890.1	1578.6	1344.6	1211.6
27.5°	3025.4	3002.0	2971.2	2942.9	2903.5	2702.8	2228.7	1780.5	1433.3	1199.3	1061.4
30°	3162.0	3119.0	3080.8	3037.7	2987.2	2721.2	2152.4	1645.1	1273.2	1051.6	913.6
32.5°	3295.0	3237.2	3180.5	3117.7	3048.8	2713.8	2044.0	1485.0	1113.1	913.6	797.9
35°	3430.5	3346.7	3267.9	3183.0	3099.2	2676.9	1895.0	1307.7	961.7	799.1	715.4
37.5°	3522.8	3418.2	3313.5	3211.3	3110.3	2596.9	1696.8	1109.4	825.0	716.6	656.3
40°	3569.6	3441.6	3313.5	3186.7	3062.3	2463.9	1465.3	928.4	727.7	655.1	612.0
42.5°	3556.1	3397.2	3238.4	3088.2	2935.5	2252.1	1214.1	779.4	660.0	607.0	568.9
45°	3444.0	3254.4	3073.4	2914.5	2723.7	1980.0	997.4	687.1	608.3	567.6	531.9
47.5°	3233.5	3021.7	2800.0	2620.3	2441.7	1664.8	829.9	629.2	562.7	529.5	493.8
50°	2965.0	2720.0	2498.4	2303.8	2129.0	1370.5	715.4	580.0	525.8	497.5	459.3
52.5°	2669.5	2406.0	2204.1	1999.7	1828.5	1143.9	635.4	525.8	490.1	460.5	429.7
55°	2424.5	2180.7	1975.0	1769.4	1597.0	1001.1	568.9	483.9	456.8	426.0	401.4
57.5°	2359.2	2080.9	1856.8	1662.3	1485.0	913.6	520.9	445.7	427.3	403.9	376.8
60°	2386.3	2079.7	1828.5	1615.5	1429.6	843.5	485.1	419.9	405.1	384.2	355.9
62.5°	2289.0	1965.2	1711.5	1485.0	1308.9	754.8	459.3	407.6	397.7	369.4	337.4
65°	1950.4	1653.7	1409.9	1214.1	1062.6	635.4	438.4	418.7	408.8	359.5	325.1
67.5°	1485.0	1237.5	1041.7	895.2	785.6	525.8	433.4	455.6	435.9	364.5	321.4
70°	1026.9	839.8	714.2	625.5	556.6	443.3	449.4	496.2	467.9	380.5	342.3
72.5°	651.4	544.2	482.7	449.4	416.2	374.3	445.7	491.3	453.1	382.9	342.3
75°	417.4	373.1	352.2	339.8	330.0	326.3	392.8	403.9	364.5	332.5	318.9
77.5°	295.5	288.1	284.4	283.2	284.4	293.1	325.1	304.1	264.7	266.0	273.4
80°	250.0	250.0	247.5	248.7	251.2	254.9	259.8	224.1	203.2	219.2	243.8
82.5°	229.0	232.7	235.2	237.6	241.3	236.4	220.4	169.9	163.8	213.0	238.9
85°	232.7	232.7	234.0	236.4	237.6	213.0	183.5	128.1	125.6	238.9	225.3
87.5°	199.5	197.0	188.4	182.2	173.6	146.5	121.9	71.4	73.9	147.8	157.6
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):

	175°	180°
0°	1959.0	1959.0
2.5°	1949.2	1949.2
5°	1949.2	1949.2
7.5°	1933.2	1928.3
10°	1886.4	1880.2
12.5°	1815.0	1808.8
15°	1705.4	1698.0
17.5°	1568.7	1556.4
20°	1425.9	1408.6
22.5°	1283.0	1269.5
25°	1136.5	1124.2
27.5°	992.4	980.1
30°	859.5	854.5
32.5°	761.0	756.0
35°	688.3	685.8
37.5°	639.1	636.6
40°	596.0	593.5
42.5°	556.6	552.9
45°	517.2	518.4
47.5°	477.8	476.5
50°	443.3	443.3
52.5°	415.0	413.7
55°	389.1	387.9
57.5°	363.2	362.0
60°	341.1	337.4
62.5°	320.1	317.7
65°	306.6	305.4
67.5°	296.7	293.1
70°	294.3	284.4
72.5°	286.9	274.6
75°	269.7	263.5
77.5°	237.6	230.3
80°	183.5	169.9
82.5°	153.9	133.0
85°	113.3	104.7
87.5°	82.5	65.3
90°	0.0	0.0

(END OF REPORT)