

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: STREETWORKS

Report Number: P158248

Luminaire Tested: **VST-E07-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158248
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E07-LED-E-U-SL2-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (147) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17775.6 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 172.5
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: 28.75 FT



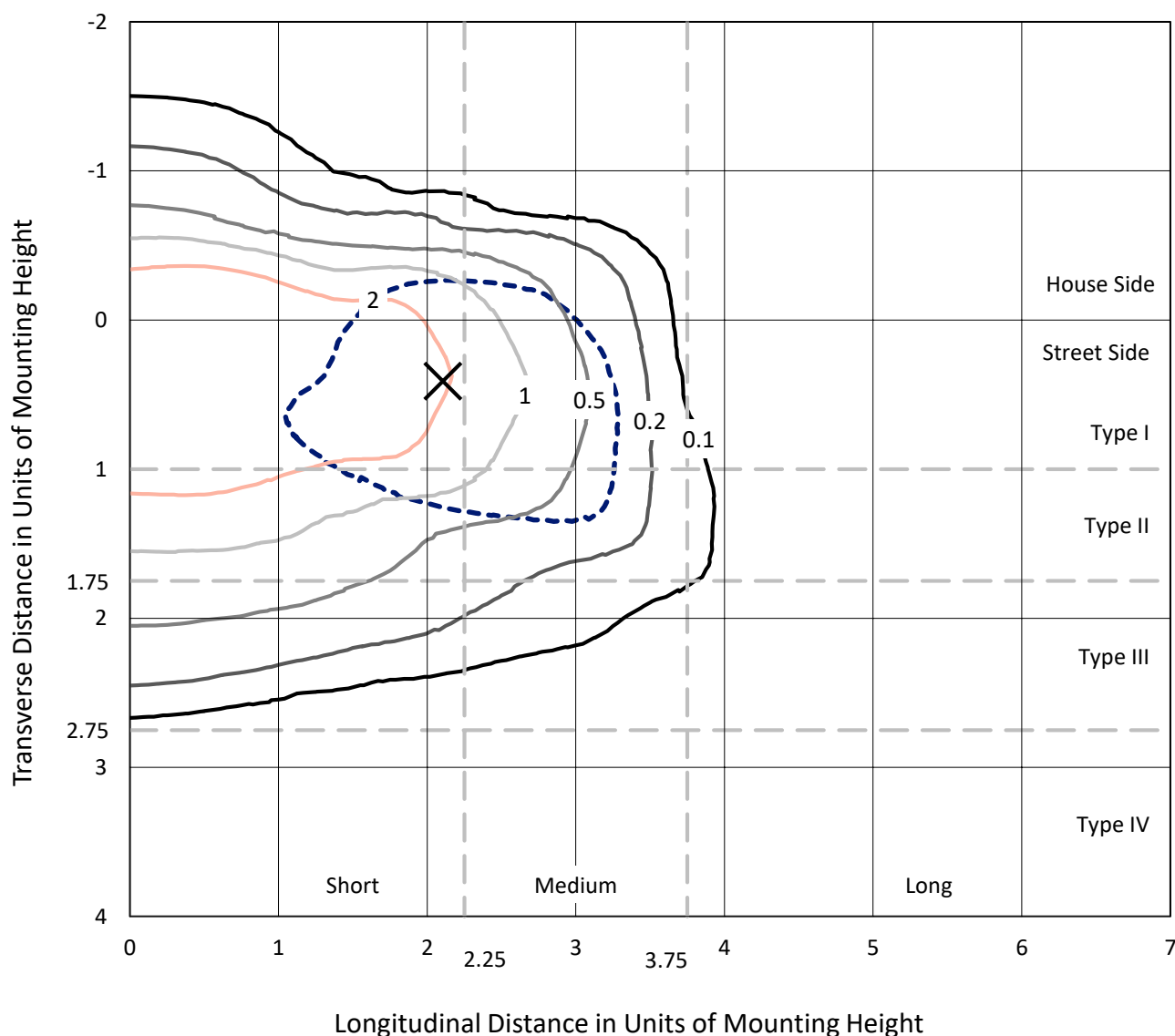
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

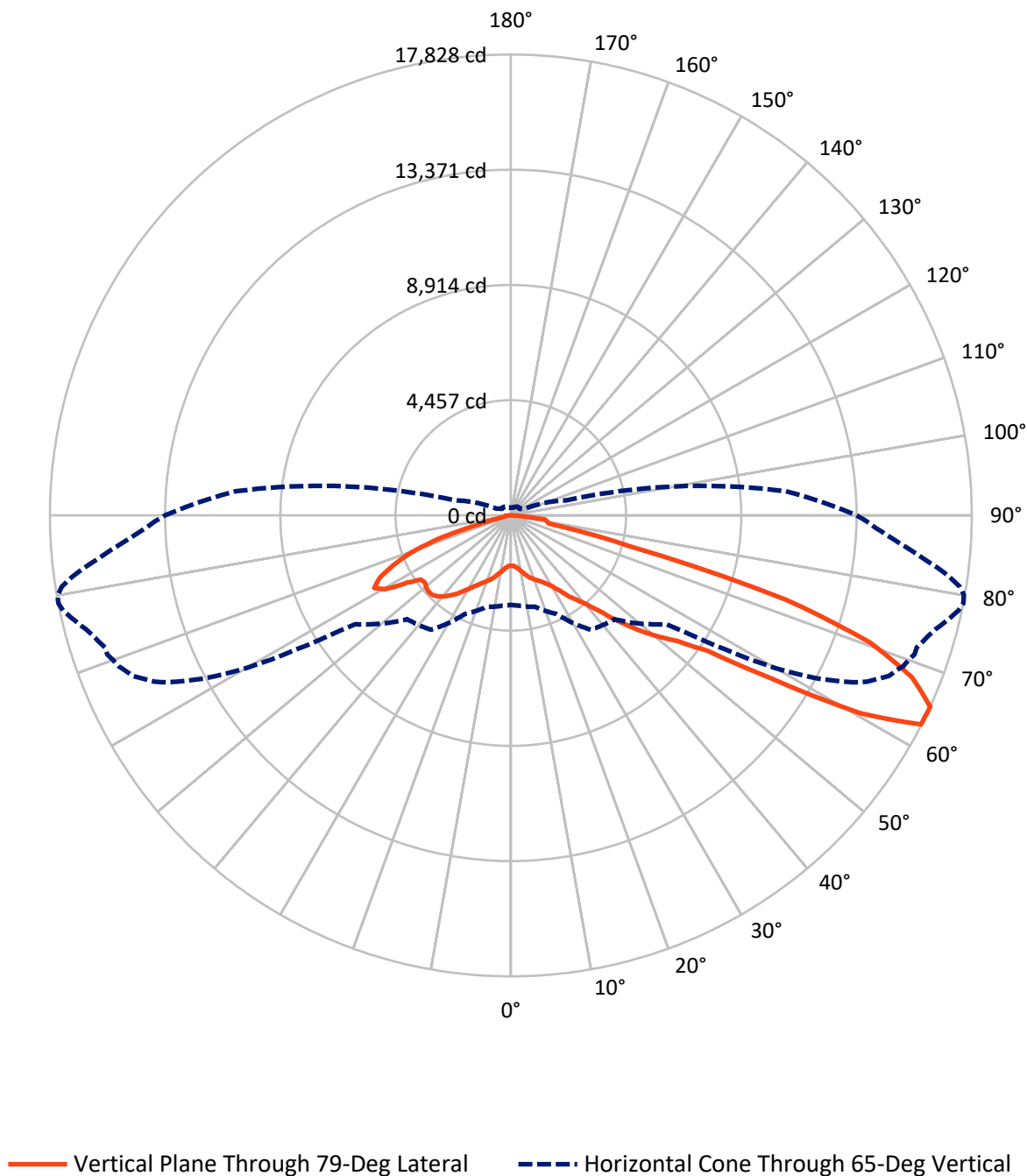


Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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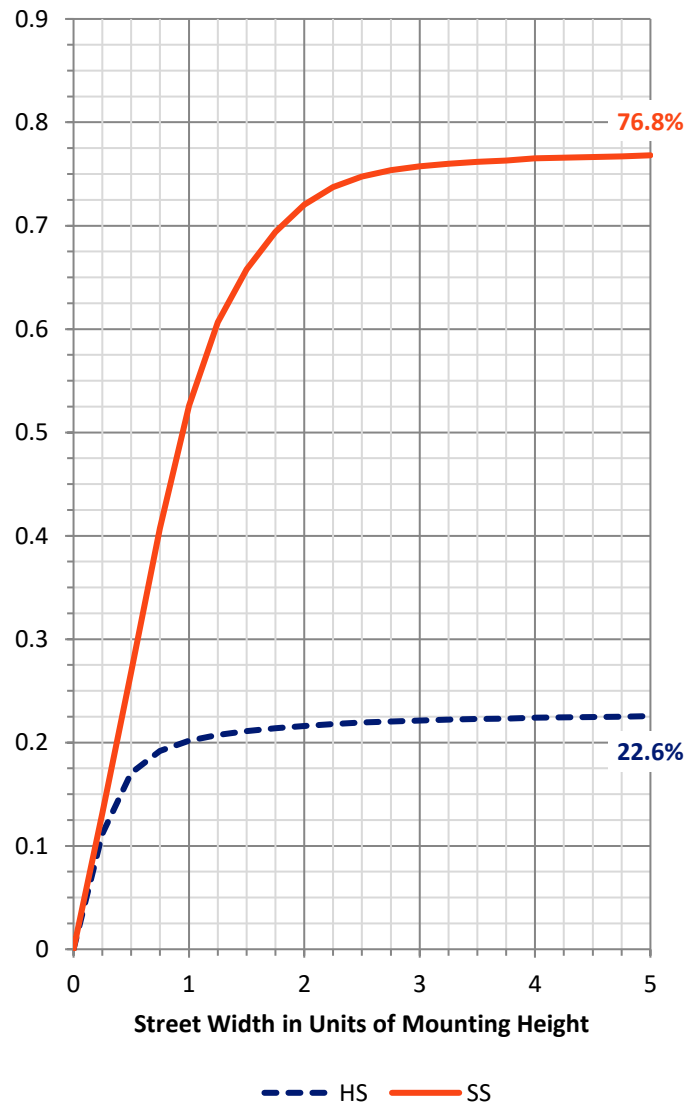
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4084.5	0.0	4084.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	13691.1	0.0	13691.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	17775.6	0.0	17775.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	1.1
10°-20°	624.9	3.5
20°-30°	1077.4	6.1
30°-40°	1764.7	9.9
40°-50°	2955.3	16.6
50°-60°	3997.4	22.5
60°-70°	4922.8	27.7
70°-80°	1905.6	10.7
80°-90°	335.1	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°	17775.6	100.0
0°-180°	17775.6	100.0

Coefficient of Utilization



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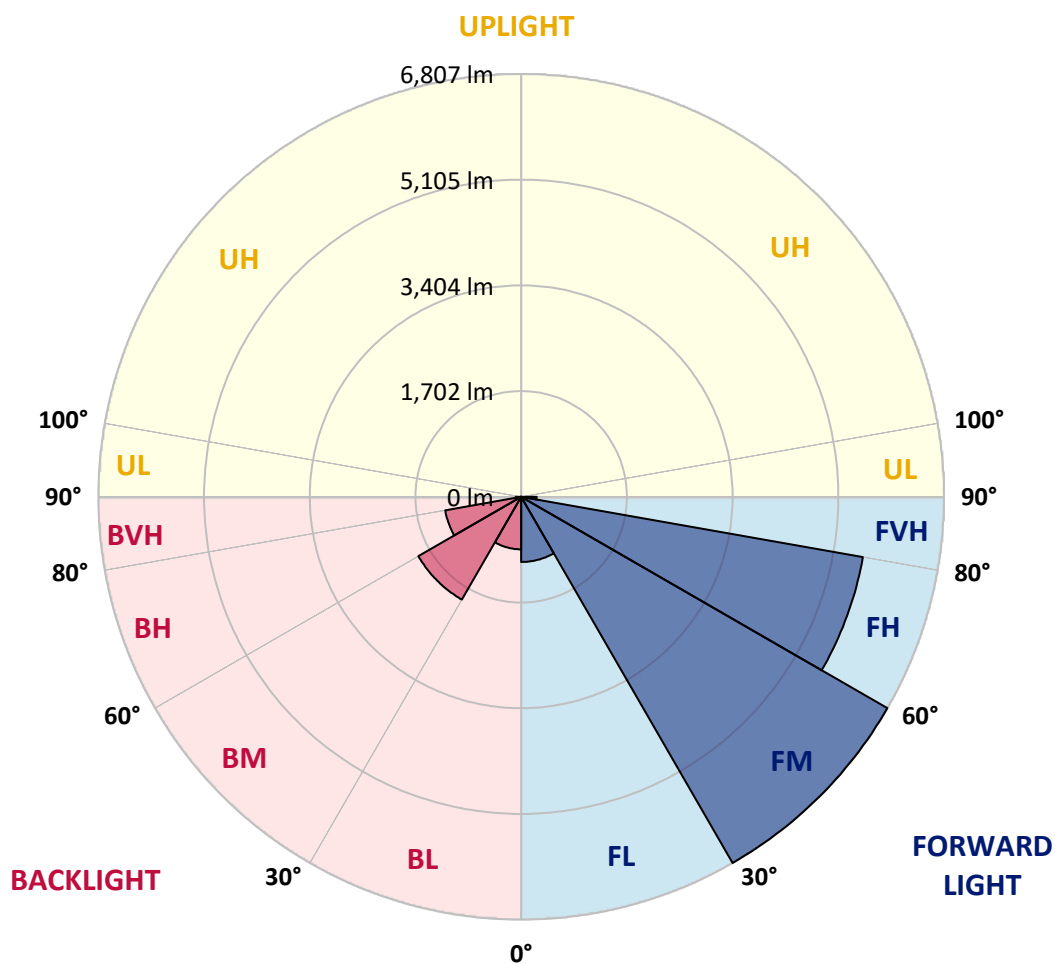
CATALOG NUMBER: VST-E07-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1049.4	5.9			
FM	(30°-60°)	6807.3	38.3			
FH	(60°-80°)	5585.7	31.4			G3/7500
FVH	(80°-90°)	248.7	1.4			G3/500
BL	(0°-30°)	845.3	4.8	B2/1000		
BM	(30°-60°)	1910.1	10.7	B2/2500		
BH	(60°-80°)	1242.7	7.0	B3/2500		G3/2500
BVH	(80°-90°)	86.4	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°	56°	57°	58°	59°
0°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1948.4	1942.5	1948.4	1953.2	1956.7	1961.4	1960.3	1959.1	1957.9	1959.1	1959.1
5°	1965.0	1963.8	1969.7	1974.4	1982.7	1988.6	1995.7	1995.7	1995.7	1994.5	1996.9
7.5°	2018.2	2017.0	2022.9	2027.6	2034.7	2046.5	2056.0	2060.7	2059.5	2059.5	2059.5
10°	2105.6	2100.9	2100.9	2100.9	2110.3	2118.6	2139.9	2142.2	2146.9	2144.6	2145.8
12.5°	2190.7	2191.8	2188.3	2184.8	2185.9	2202.5	2233.2	2239.1	2240.3	2243.8	2246.2
15°	2267.5	2266.3	2258.0	2249.7	2260.4	2288.7	2328.9	2339.5	2339.5	2346.6	2351.4
17.5°	2338.4	2336.0	2320.6	2306.5	2317.1	2365.5	2428.2	2435.3	2445.9	2449.4	2454.2
20°	2422.3	2417.5	2399.8	2362.0	2362.0	2428.2	2510.9	2518.0	2527.4	2529.8	2538.0
22.5°	2539.2	2527.4	2489.6	2421.1	2402.2	2479.0	2580.6	2584.1	2591.2	2600.7	2607.8
25°	2671.6	2673.9	2612.5	2493.1	2451.8	2532.1	2647.9	2653.8	2666.8	2673.9	2682.2
27.5°	2808.6	2812.2	2743.6	2594.8	2525.1	2605.4	2738.9	2746.0	2761.4	2769.6	2782.6
30°	2964.6	2969.3	2903.2	2753.1	2646.8	2712.9	2873.6	2892.5	2905.5	2916.2	2937.4
32.5°	3339.2	3310.8	3264.7	3105.2	2937.4	2932.7	3091.0	3112.3	3130.0	3152.5	3172.6
35°	3810.6	3828.3	3852.0	3744.5	3596.8	3489.2	3502.2	3490.4	3507.0	3540.0	3560.1
37.5°	4184.0	4223.0	4325.8	4395.5	4389.6	4368.3	4169.8	4169.8	4180.5	4162.7	4160.4
40°	4477.0	4501.8	4712.2	4982.8	5210.8	5323.1	5165.9	5143.4	5155.3	5064.3	5067.8
42.5°	4628.3	4664.9	4967.4	5442.4	5894.9	6255.3	6206.9	6191.5	6156.1	6133.6	6119.4
45°	4705.1	4748.8	5109.2	5761.4	6420.7	6977.3	7227.8	7225.4	7193.5	7167.5	7155.7
47.5°	4666.1	4703.9	5087.9	5858.3	6697.2	7442.8	7997.0	8031.2	8021.8	8059.6	8075.0
50°	4410.9	4459.3	4844.5	5649.2	6581.4	7626.0	8529.9	8593.7	8679.9	8734.3	8806.4
52.5°	4180.5	4220.6	4568.0	5310.1	6201.0	7477.1	8851.3	8982.4	9100.6	9211.7	9297.9
55°	3939.4	3979.6	4284.4	4957.9	5817.0	7037.5	8997.8	9189.2	9373.5	9561.4	9733.9
57.5°	3848.4	3891.0	4117.8	4685.0	5502.7	6601.5	9069.9	9384.2	9684.3	10003.3	10334.2
60°	4084.7	4122.6	4295.1	4692.1	5262.8	6165.5	8924.5	9418.4	9934.8	10460.6	10968.7
62.5°	4012.7	4032.8	4247.8	4863.4	5568.8	5735.4	8294.7	8947.0	9697.3	10467.7	11246.3
65°	3462.1	3501.0	3662.9	4204.1	5397.5	5677.5	7335.3	7991.1	8876.1	9787.1	10830.4
67.5°	2483.7	2429.3	2554.6	3028.4	4187.5	5668.1	6255.3	6741.0	7434.5	8132.9	8988.3
70°	1128.4	1102.4	1200.5	1575.1	2526.2	4479.4	5288.8	5453.0	5710.6	6180.9	6758.7
72.5°	445.5	444.3	508.1	651.1	1194.6	2883.1	4447.5	4542.0	4633.0	4837.4	5086.7
75°	291.9	291.9	310.8	350.9	588.4	1391.9	3762.2	3848.4	3987.9	4045.8	4152.1
77.5°	219.8	221.0	229.2	238.7	324.9	732.6	2655.0	2961.1	3197.4	3373.4	3502.2
80°	156.0	163.1	178.4	184.3	211.5	417.1	1500.6	1721.6	1988.6	2273.4	2631.4
82.5°	117.0	125.2	151.2	158.3	167.8	237.5	677.0	768.0	896.8	1162.7	1671.9
85°	54.4	60.3	104.0	113.4	121.7	137.1	343.8	384.0	436.0	477.4	556.5
87.5°	8.3	5.9	17.7	24.8	39.0	40.2	118.2	140.6	152.4	183.1	190.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1959.1	1960.3	1961.4	1959.1	1960.3	1960.3	1957.9	1956.7	1956.7	1956.7	1957.9
5°	1996.9	1999.2	1996.9	1998.1	2002.8	2001.6	1999.2	1998.1	2002.8	2004.0	2000.4
7.5°	2064.2	2065.4	2060.7	2066.6	2069.0	2070.1	2070.1	2072.5	2072.5	2076.0	2072.5
10°	2150.5	2150.5	2158.8	2157.6	2158.8	2161.1	2162.3	2167.0	2170.6	2170.6	2172.9
12.5°	2249.7	2250.9	2259.2	2260.4	2265.1	2266.3	2273.4	2268.6	2280.5	2280.5	2284.0
15°	2352.5	2360.8	2362.0	2373.8	2376.2	2377.4	2386.8	2386.8	2395.1	2396.3	2398.6
17.5°	2454.2	2461.2	2466.0	2475.4	2483.7	2487.2	2490.8	2497.9	2503.8	2506.1	2512.1
20°	2541.6	2548.7	2553.4	2562.9	2570.0	2575.9	2579.4	2587.7	2593.6	2595.9	2604.2
22.5°	2614.9	2619.6	2627.9	2640.8	2643.2	2650.3	2660.9	2666.8	2669.2	2676.3	2685.7
25°	2692.8	2699.9	2704.7	2716.5	2725.9	2737.7	2747.2	2756.6	2759.0	2768.5	2776.7
27.5°	2796.8	2803.9	2805.1	2828.7	2838.2	2854.7	2865.3	2879.5	2886.6	2894.9	2911.4
30°	2950.4	2967.0	2974.1	3001.2	3006.0	3024.9	3043.8	3048.5	3059.1	3060.3	3087.5
32.5°	3185.6	3209.2	3218.6	3247.0	3254.1	3271.8	3282.4	3307.3	3308.4	3320.3	3326.2
35°	3570.8	3564.8	3601.5	3608.6	3629.8	3645.2	3655.8	3655.8	3678.3	3679.5	3686.6
37.5°	4096.6	4084.7	4094.2	4051.7	4062.3	4043.4	4039.8	4044.6	4035.1	4037.5	4036.3
40°	4937.9	4884.7	4829.1	4698.0	4669.6	4615.3	4572.7	4538.5	4505.4	4469.9	4446.3
42.5°	5993.0	5916.2	5833.5	5623.2	5525.1	5419.9	5317.1	5258.1	5139.9	5067.8	5028.8
45°	7099.0	7009.2	6893.4	6718.5	6579.1	6466.8	6279.0	6190.3	6007.2	5916.2	5793.3
47.5°	8005.3	8006.4	7913.1	7735.9	7587.0	7512.5	7395.6	7224.2	7016.3	6899.3	6680.7
50°	8798.1	8796.9	8791.0	8684.7	8580.7	8499.2	8396.4	8241.6	8071.4	7939.1	7688.6
52.5°	9384.2	9462.2	9495.2	9494.1	9481.1	9443.2	9365.3	9231.7	9059.2	8984.8	8785.1
55°	9868.6	10038.8	10127.4	10321.2	10338.9	10401.5	10333.0	10334.2	10232.5	10239.6	10175.8
57.5°	10602.4	10913.1	11091.6	11520.5	11735.5	11995.5	11949.4	12166.8	12246.0	12346.4	12479.9
60°	11435.4	12015.6	12438.6	13291.7	13639.1	14059.7	14291.3	14538.3	14717.9	14902.2	15038.1
62.5°	12030.9	12793.0	13487.8	14703.7	15155.0	15598.1	15890.0	16188.9	16391.0	16523.3	16621.4
65°	11787.5	12630.0	13451.2	14726.1	15217.7	15539.1	15886.4	16059.0	16261.0	16370.9	16511.5
67.5°	10016.3	10861.2	11741.4	13245.6	13759.6	14203.9	14474.4	14697.8	14860.8	15000.3	15162.1
70°	7448.7	8372.7	9282.5	10932.0	11580.7	12222.3	12541.4	12817.9	12988.0	13128.6	13307.0
72.5°	5360.9	5939.8	6508.2	8355.0	9003.7	9833.2	10164.0	10471.2	10692.2	10685.1	10874.1
75°	4267.9	4503.0	4755.9	5709.4	6175.0	6874.5	7060.0	7232.5	7128.5	6928.8	6917.0
77.5°	3553.0	3649.9	3735.0	4033.9	4102.5	4269.1	4176.9	4081.2	3772.8	3512.9	3375.8
80°	2884.3	3075.7	3200.9	3413.6	3501.0	3550.7	3563.7	3530.6	3417.2	3260.0	3009.5
82.5°	2144.6	2508.5	2756.6	3174.9	3328.5	3360.4	3421.9	3384.1	3309.6	3182.0	3002.4
85°	628.6	711.3	815.3	1106.0	1296.2	1458.1	1623.5	1705.0	1755.8	1684.9	1499.4
87.5°	221.0	249.3	278.9	384.0	408.8	493.9	484.5	571.9	575.4	600.2	574.3
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1956.7	1956.7	1956.7	1957.9	1957.9	1957.9	1955.5	1954.3	1955.5	1957.9	1957.9
5°	2002.8	2004.0	2006.3	2001.6	2002.8	2006.3	2004.0	2002.8	2004.0	2006.3	2004.0
7.5°	2077.2	2078.4	2076.0	2080.8	2080.8	2083.1	2086.7	2083.1	2084.3	2085.5	2086.7
10°	2174.1	2175.3	2177.7	2181.2	2182.4	2184.8	2187.1	2190.7	2190.7	2188.3	2194.2
12.5°	2289.9	2288.7	2291.1	2295.8	2298.2	2301.7	2308.8	2308.8	2313.5	2312.4	2318.3
15°	2403.3	2409.3	2410.4	2418.7	2422.3	2428.2	2436.4	2441.2	2441.2	2448.2	2450.6
17.5°	2516.8	2521.5	2526.2	2533.3	2538.0	2541.6	2551.0	2557.0	2555.8	2568.8	2568.8
20°	2604.2	2613.7	2619.6	2624.3	2632.6	2638.5	2645.6	2652.7	2657.4	2665.7	2668.0
22.5°	2689.3	2695.2	2703.5	2709.4	2718.8	2725.9	2734.2	2740.1	2748.4	2759.0	2762.6
25°	2783.8	2793.3	2802.7	2811.0	2818.1	2826.4	2840.5	2853.5	2865.3	2874.8	2878.3
27.5°	2915.0	2925.6	2939.8	2945.7	2956.3	2963.4	2984.7	3001.2	3007.1	3023.7	3028.4
30°	3092.2	3104.0	3118.2	3125.3	3144.2	3153.7	3176.1	3193.8	3199.7	3219.8	3223.4
32.5°	3348.6	3355.7	3384.1	3382.9	3408.9	3436.1	3449.1	3463.2	3489.2	3499.9	3503.4
35°	3704.3	3720.8	3740.9	3739.7	3772.8	3788.2	3814.2	3829.5	3848.4	3847.2	3867.3
37.5°	4048.1	4054.0	4061.1	4076.5	4100.1	4121.4	4130.8	4146.2	4160.4	4181.6	4207.6
40°	4422.7	4436.9	4438.0	4446.3	4458.1	4485.3	4503.0	4519.6	4568.0	4598.7	4614.1
42.5°	4983.9	4980.4	4956.8	4972.1	4979.2	5020.6	5033.6	5084.4	5138.7	5203.7	5221.4
45°	5705.9	5658.6	5644.4	5638.5	5676.3	5697.6	5750.8	5845.3	5902.0	5963.5	5993.0
47.5°	6594.4	6446.7	6377.0	6361.7	6400.7	6491.6	6509.4	6602.7	6677.1	6722.1	6751.6
50°	7484.2	7368.4	7221.9	7172.2	7161.6	7245.5	7265.6	7343.6	7419.2	7432.2	7416.8
52.5°	8602.0	8412.9	8170.7	8083.2	8013.5	8019.4	8036.0	8069.1	8117.5	8097.4	8056.1
55°	10031.7	9816.6	9697.3	9531.9	9426.7	9407.8	9335.7	9236.5	9232.9	9245.9	9121.9
57.5°	12412.6	12322.8	12373.6	12355.9	12251.9	12314.5	11989.6	11897.4	11824.1	11696.5	11581.9
60°	15158.6	15250.7	15355.9	15598.1	15587.5	15830.9	15605.2	15548.5	15480.0	15086.5	14893.9
62.5°	16792.7	16829.3	16984.1	17209.8	17432.0	17664.7	17769.9	17806.5	17663.5	17342.2	16940.4
65°	16508.0	16669.8	16819.9	17014.9	17242.9	17475.7	17697.8	17827.8	17794.7	17582.0	17140.1
67.5°	15214.1	15384.3	15604.0	15808.5	16054.2	16256.3	16499.7	16738.4	16745.5	16639.1	16331.9
70°	13325.9	13523.3	13750.1	13864.7	14130.6	14313.7	14515.8	14752.1	14828.9	14841.9	14483.9
72.5°	10834.0	10916.7	11027.8	10967.5	11020.7	11137.6	11083.3	11102.2	10810.3	10864.7	10422.8
75°	6598.0	6522.4	6186.8	5880.8	5507.4	5220.3	5288.8	4740.5	4200.5	4173.4	3783.4
77.5°	3346.3	3225.7	3017.8	2801.5	2484.9	2122.1	1819.6	1493.5	1218.2	1061.1	911.0
80°	2850.0	2764.9	2650.3	2493.1	2262.7	1994.5	1679.0	1430.9	1200.5	960.6	769.2
82.5°	2727.1	2467.2	2300.6	2169.4	1920.1	1671.9	1499.4	1329.3	1166.2	1018.5	807.0
85°	1352.9	1196.9	1012.6	898.0	691.2	541.2	506.9	417.1	388.7	300.1	252.9
87.5°	454.9	372.2	277.7	234.0	186.7	152.4	150.1	133.5	132.3	120.5	111.1
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1956.7	1959.1	1959.1	1956.7	1957.9	1955.5	1956.7	1957.9	1954.3	1953.2	1949.6
5°	2005.2	2004.0	2004.0	2005.2	2008.7	2009.9	2004.0	2006.3	2007.5	2001.6	1988.6
7.5°	2085.5	2085.5	2089.0	2087.9	2095.0	2092.6	2091.4	2091.4	2091.4	2079.6	2058.3
10°	2194.2	2194.2	2197.8	2202.5	2203.7	2201.3	2201.3	2202.5	2208.4	2184.8	2151.7
12.5°	2315.9	2321.8	2320.6	2320.6	2334.8	2331.3	2326.5	2331.3	2337.2	2304.1	2256.8
15°	2451.8	2455.3	2457.7	2466.0	2463.6	2471.9	2474.2	2471.9	2477.8	2435.3	2356.1
17.5°	2574.7	2581.8	2584.1	2593.6	2593.6	2594.8	2604.2	2600.7	2601.9	2553.4	2440.0
20°	2676.3	2683.4	2686.9	2697.6	2699.9	2704.7	2708.2	2710.6	2716.5	2658.6	2508.5
22.5°	2777.9	2783.8	2789.7	2796.8	2806.3	2812.2	2816.9	2819.3	2829.9	2762.6	2573.5
25°	2891.3	2904.3	2910.2	2922.1	2931.5	2941.0	2948.1	2949.2	2967.0	2883.1	2626.7
27.5°	3042.6	3060.3	3069.8	3088.7	3098.1	3107.6	3105.2	3119.4	3144.2	3021.3	2668.0
30°	3241.1	3263.5	3269.5	3288.4	3303.7	3313.2	3323.8	3335.6	3352.2	3174.9	2688.1
32.5°	3517.6	3551.9	3560.1	3570.8	3593.2	3609.7	3616.8	3635.7	3640.5	3320.3	2682.2
35°	3896.9	3881.5	3921.7	3931.1	3963.0	3976.0	3984.3	4009.1	3990.2	3478.6	2643.2
37.5°	4239.5	4234.8	4273.8	4295.1	4336.4	4327.0	4347.1	4363.6	4296.3	3590.8	2571.1
40°	4657.8	4651.9	4706.3	4713.4	4777.2	4763.0	4771.2	4784.2	4634.2	3668.8	2440.0
42.5°	5241.5	5243.9	5301.8	5308.9	5317.1	5343.1	5300.6	5303.0	4993.4	3690.1	2223.7
45°	6010.7	6052.1	6016.6	6017.8	6015.5	5965.8	5912.7	5850.0	5366.8	3616.8	1944.9
47.5°	6756.3	6728.0	6683.1	6641.7	6607.4	6529.5	6451.5	6345.1	5689.3	3443.1	1634.1
50°	7394.4	7330.6	7290.4	7175.8	7094.3	6992.6	6883.9	6762.2	5954.0	3192.6	1343.5
52.5°	7987.5	7921.4	7771.3	7652.0	7535.0	7400.3	7273.9	7130.9	6188.0	2906.7	1121.3
55°	8973.0	8915.1	8765.0	8546.4	8402.3	8216.8	8050.2	7856.4	6661.8	2675.1	974.8
57.5°	11266.4	11216.8	10901.3	10763.1	10572.8	10107.3	10038.8	9736.3	7932.0	2647.9	888.6
60°	14495.7	14283.0	14020.7	13642.6	13197.1	13043.5	12700.9	12298.0	9976.1	2722.4	818.8
62.5°	16478.4	15994.0	15608.8	15172.8	14762.8	14410.6	14036.1	13637.9	11021.8	2624.3	732.6
65°	16627.3	16057.8	15548.5	15036.9	14576.1	14137.7	13773.8	13375.6	10681.5	2255.7	620.3
67.5°	15807.3	15207.0	14651.7	14071.5	13606.0	13210.1	12747.0	12364.1	9722.1	1755.8	516.4
70°	14116.4	13589.4	13110.9	12485.8	12099.5	11617.4	11323.2	10844.6	8474.3	1196.9	426.6
72.5°	10167.6	9770.5	9614.6	9178.6	8672.9	8389.3	8253.4	7789.0	6262.4	743.2	348.6
75°	3434.9	3532.9	3308.4	2964.6	3132.4	2873.6	2978.8	2757.8	2649.1	426.6	293.0
77.5°	762.1	716.0	661.7	614.4	610.9	574.3	608.5	575.4	615.6	271.8	258.8
80°	601.4	475.0	404.1	368.7	349.7	339.1	330.8	321.4	293.0	231.6	238.7
82.5°	649.9	490.4	359.2	287.1	245.8	230.4	226.9	217.4	215.0	224.5	241.0
85°	208.0	173.7	147.7	139.4	128.8	122.9	120.5	117.0	141.8	244.6	231.6
87.5°	108.7	95.7	85.1	81.5	70.9	66.2	65.0	66.2	99.3	244.6	167.8
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1946.1	1944.9	1942.5	1941.3	1940.2	1934.3	1939.0
5°	1982.7	1970.9	1960.3	1947.3	1940.2	1934.3	1934.3
7.5°	2038.2	2005.2	1978.0	1948.4	1928.4	1913.0	1910.6
10°	2108.0	2044.1	1981.5	1928.4	1890.5	1862.2	1858.6
12.5°	2174.1	2077.2	1978.0	1890.5	1831.5	1791.3	1788.9
15°	2235.6	2095.0	1950.8	1822.0	1733.4	1680.2	1674.3
17.5°	2284.0	2084.3	1889.4	1726.3	1605.8	1543.2	1539.6
20°	2294.6	2041.8	1801.9	1608.1	1480.5	1414.4	1399.0
22.5°	2285.2	1965.0	1693.2	1478.2	1331.6	1265.5	1257.2
25°	2256.8	1871.6	1558.5	1326.9	1191.0	1123.7	1107.1
27.5°	2206.0	1761.7	1413.2	1180.4	1045.7	980.7	964.2
30°	2130.4	1629.4	1258.4	1043.3	903.9	851.9	835.4
32.5°	2025.2	1468.7	1106.0	902.7	786.9	745.6	738.5
35°	1879.9	1284.4	946.5	786.9	701.9	677.0	673.5
37.5°	1694.4	1100.1	812.9	704.2	642.8	627.4	625.1
40°	1452.2	911.0	718.4	645.1	600.2	587.2	584.9
42.5°	1202.9	769.2	648.7	597.9	561.3	549.4	545.9
45°	984.3	673.5	596.7	558.9	524.6	511.6	510.4
47.5°	821.2	618.0	554.2	523.4	489.2	473.8	475.0
50°	701.9	567.2	518.7	492.7	453.7	439.6	440.7
52.5°	620.3	516.4	485.6	456.1	423.0	408.8	408.8
55°	556.5	475.0	453.7	421.8	395.8	382.8	381.7
57.5°	504.5	441.9	423.0	397.0	371.0	355.7	355.7
60°	472.6	418.3	402.9	379.3	348.6	332.0	330.8
62.5°	453.7	411.2	398.2	365.1	330.8	314.3	310.8
65°	439.6	427.7	411.2	356.8	316.7	298.9	295.4
67.5°	440.7	466.7	443.1	361.6	311.9	285.9	281.2
70°	447.8	497.4	465.5	372.2	332.0	280.0	269.4
72.5°	412.4	450.2	419.5	354.5	323.8	269.4	256.4
75°	343.8	328.5	301.3	288.3	290.7	244.6	239.9
77.5°	278.9	244.6	218.6	229.2	244.6	209.1	204.4
80°	242.2	198.5	185.5	203.2	222.1	178.4	166.6
82.5°	226.9	167.8	159.5	211.5	232.8	153.6	134.7
85°	199.7	137.1	125.2	249.3	232.8	115.8	107.5
87.5°	133.5	81.5	78.0	183.1	159.5	80.3	65.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)