

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: McGRAW-EDISON

Report Number: P158147

Luminaire Tested: **VTS-F07-LED-E1-SL2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158147
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: MCGRAW-EDISON
Catalog Number: VTS-F07-LED-E1-SL2-7060
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (49) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

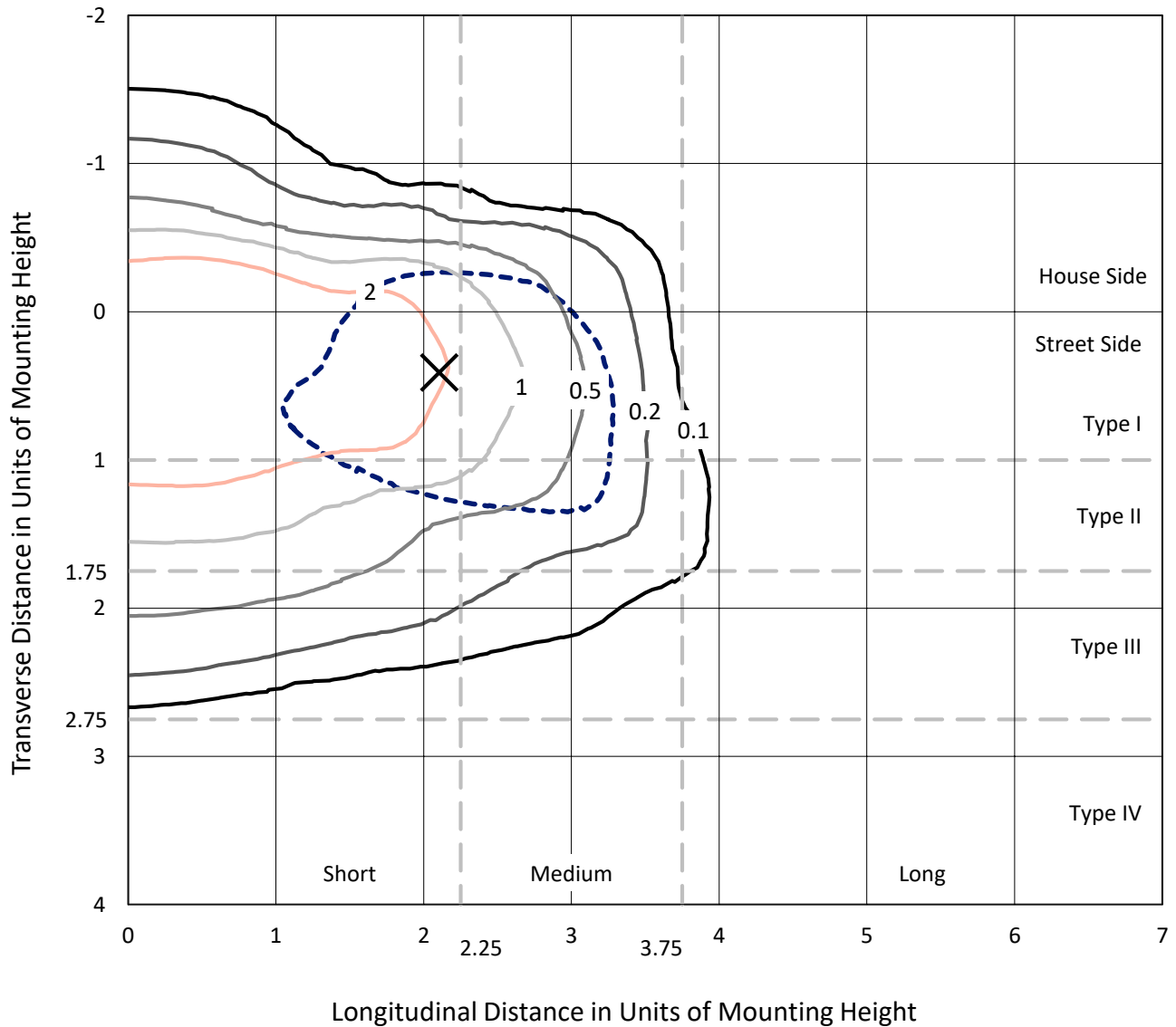
Lumens per Lamp: N/A
Luminaire Lumens: 17840.6 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 180.5
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

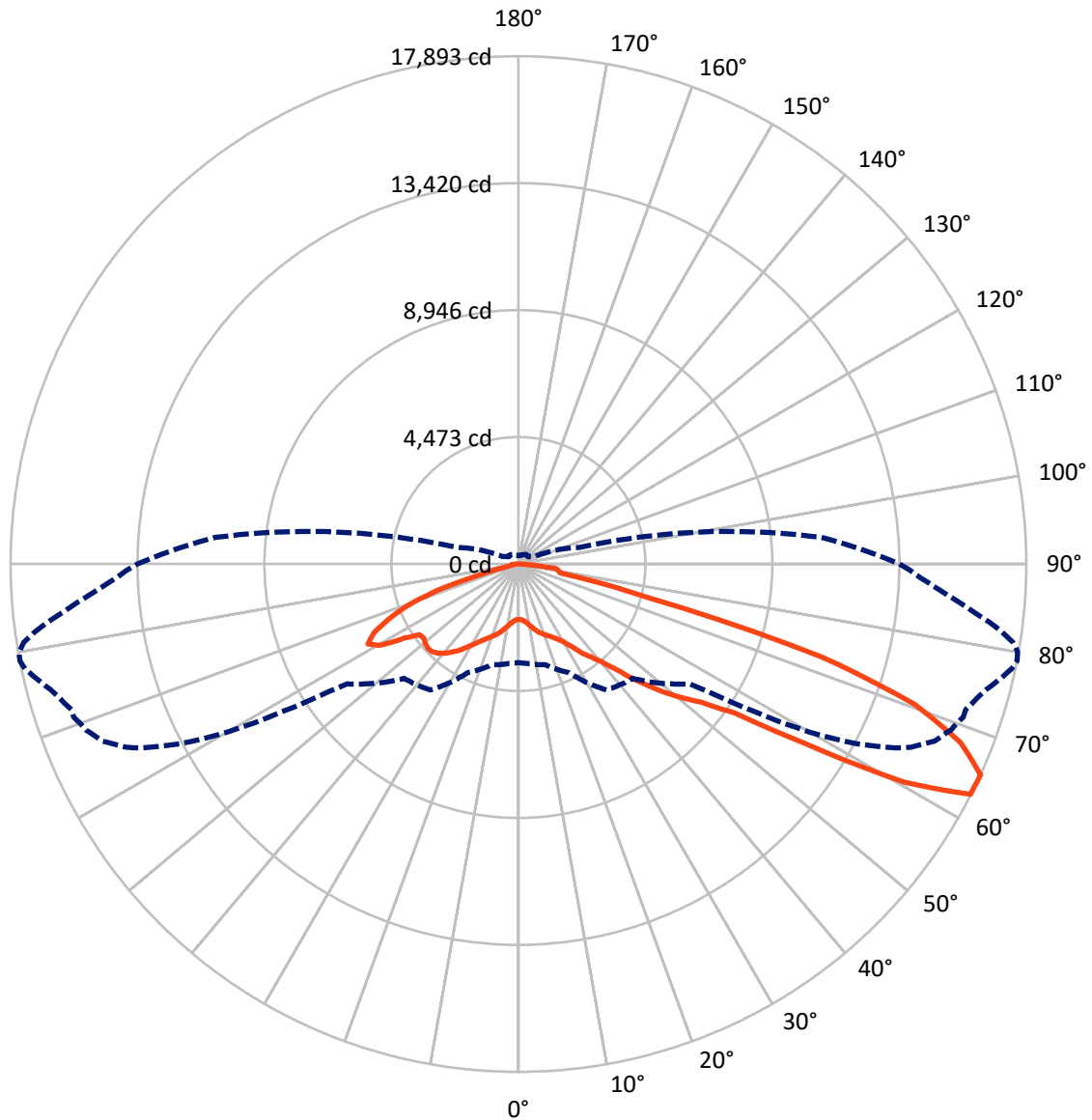
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Non-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	4099.4	0.0	4099.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	13741.1	0.0	13741.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	17840.6	0.0	17840.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	1.1
10°-20°	627.2	3.5
20°-30°	1081.3	6.1
30°-40°	1771.2	9.9
40°-50°	2966.1	16.6
50°-60°	4012.0	22.5
60°-70°	4940.8	27.7
70°-80°	1912.5	10.7
80°-90°	336.3	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°	17840.6	100.0
0°-180°	17840.6	100.0



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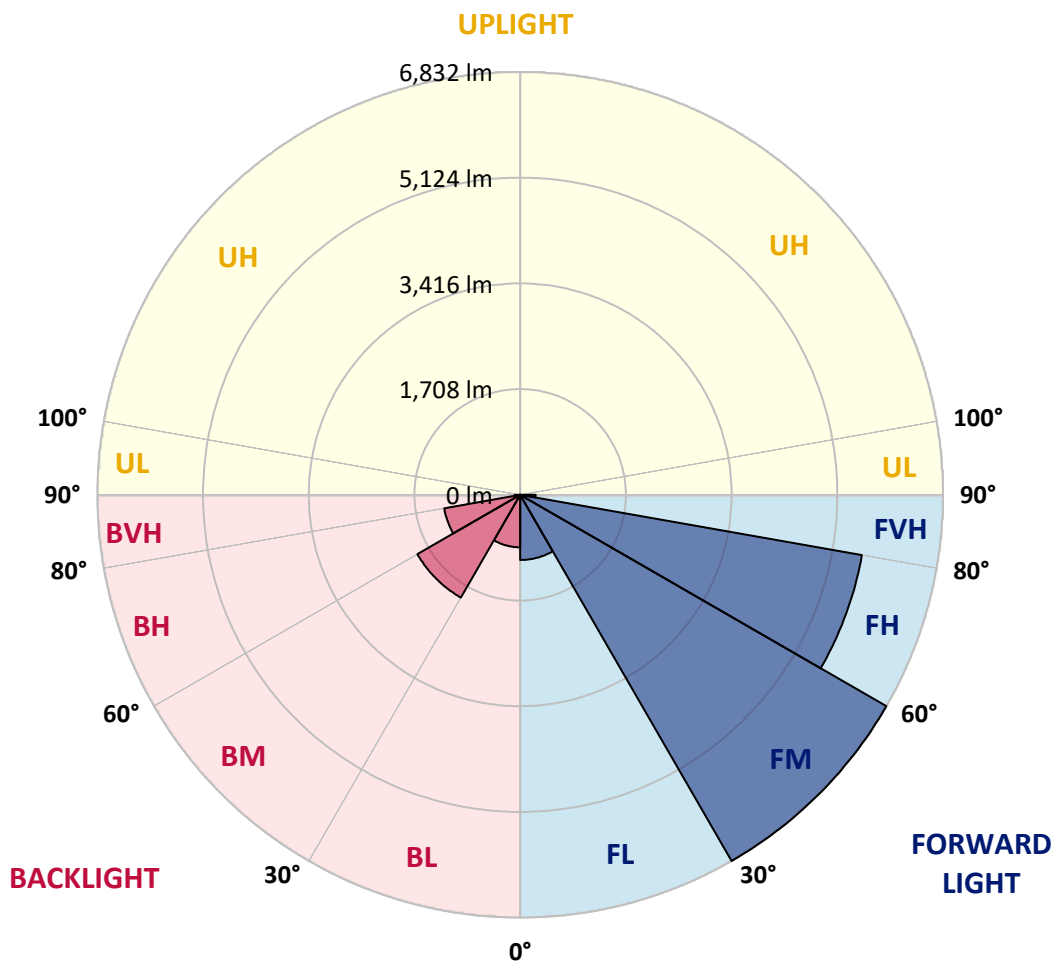
CATALOG NUMBER: VTS-F07-LED-E1-SL2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.3	5.9			
FM (30°-60°)	6832.2	38.3			
FH (60°-80°)	5606.1	31.4			G3/7500
FVH (80°-90°)	249.6	1.4			G3/500
BL (0°-30°)	848.4	4.8	B2/1000		
BM (30°-60°)	1917.1	10.7	B2/2500		
BH (60°-80°)	1247.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	86.8	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°	56°	57°	58°	59°
0°	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0
2.5°	1955.6	1949.6	1955.6	1960.3	1963.9	1968.6	1967.4	1966.2	1965.0	1966.2	1966.2
5°	1972.2	1971.0	1976.9	1981.6	1990.0	1995.9	2003.0	2003.0	2003.0	2001.8	2004.2
7.5°	2025.5	2024.3	2030.3	2035.0	2042.1	2054.0	2063.5	2068.2	2067.0	2067.0	2067.0
10°	2113.3	2108.5	2108.5	2108.5	2118.0	2126.3	2147.7	2150.0	2154.8	2152.4	2153.6
12.5°	2198.7	2199.9	2196.3	2192.7	2193.9	2210.5	2241.4	2247.3	2248.5	2252.0	2254.4
15°	2275.8	2274.6	2266.3	2258.0	2268.6	2297.1	2337.4	2348.1	2348.1	2355.2	2360.0
17.5°	2346.9	2344.5	2329.1	2314.9	2325.6	2374.2	2437.0	2444.2	2454.8	2458.4	2463.1
20°	2431.1	2426.4	2408.6	2370.6	2370.6	2437.0	2520.0	2527.2	2536.7	2539.0	2547.3
22.5°	2548.5	2536.7	2498.7	2429.9	2410.9	2488.0	2590.0	2593.6	2600.7	2610.2	2617.3
25°	2681.3	2683.7	2622.0	2502.3	2460.8	2541.4	2657.6	2663.5	2676.6	2683.7	2692.0
27.5°	2818.9	2822.5	2753.7	2604.2	2534.3	2614.9	2748.9	2756.0	2771.5	2779.8	2792.8
30°	2975.4	2980.2	2913.8	2763.2	2656.4	2722.8	2884.1	2903.1	2916.1	2926.8	2948.2
32.5°	3351.4	3322.9	3276.7	3116.6	2948.2	2943.4	3102.3	3123.7	3141.5	3164.0	3184.2
35°	3824.5	3842.3	3866.1	3758.1	3609.9	3502.0	3515.0	3503.2	3519.8	3553.0	3573.1
37.5°	4199.3	4238.4	4341.6	4411.6	4405.6	4384.3	4185.1	4185.1	4195.7	4177.9	4175.6
40°	4493.4	4518.3	4729.4	5001.0	5229.8	5342.5	5184.8	5162.2	5174.1	5082.8	5086.4
42.5°	4645.2	4682.0	4985.5	5462.3	5916.5	6278.2	6229.6	6214.1	6178.6	6156.0	6141.8
45°	4722.3	4766.2	5127.9	5782.5	6444.2	7002.8	7254.2	7251.8	7219.8	7193.7	7181.8
47.5°	4683.1	4721.1	5106.5	5879.7	6721.7	7470.0	8026.2	8060.6	8051.1	8089.1	8104.5
50°	4427.0	4475.6	4862.2	5669.8	6605.5	7653.8	8561.1	8625.1	8711.7	8766.2	8838.6
52.5°	4195.7	4236.1	4584.7	5329.5	6223.6	7504.4	8883.6	9015.3	9133.8	9245.3	9331.9
55°	3953.8	3994.1	4300.1	4976.1	5838.2	7063.3	9030.7	9222.8	9407.8	9596.4	9769.5
57.5°	3862.5	3905.2	4132.9	4702.1	5522.8	6625.7	9103.0	9418.5	9719.7	10039.9	10371.9
60°	4099.7	4137.6	4310.8	4709.2	5282.0	6188.1	8957.1	9452.9	9971.1	10498.8	11008.8
62.5°	4027.3	4047.5	4263.3	4881.2	5589.2	5756.4	8325.1	8979.7	9732.7	10505.9	11287.5
65°	3474.7	3513.8	3676.3	4219.5	5417.2	5698.3	7362.1	8020.3	8908.5	9822.9	10870.0
67.5°	2492.8	2438.2	2563.9	3039.5	4202.9	5688.8	6278.2	6765.6	7461.7	8162.6	9021.2
70°	1132.5	1106.5	1204.9	1580.8	2535.5	4495.8	5308.1	5473.0	5731.5	6203.5	6783.4
72.5°	447.1	445.9	509.9	653.4	1199.0	2893.6	4463.7	4558.6	4649.9	4855.1	5105.3
75°	292.9	292.9	311.9	352.2	590.6	1397.0	3775.9	3862.5	4002.4	4060.5	4167.3
77.5°	220.6	221.8	230.1	239.6	326.1	735.3	2664.7	2971.9	3209.1	3385.8	3515.0
80°	156.5	163.7	179.1	185.0	212.3	418.6	1506.1	1727.9	1995.9	2281.7	2641.0
82.5°	117.4	125.7	151.8	158.9	168.4	238.4	679.5	770.8	900.1	1166.9	1678.1
85°	54.6	60.5	104.4	113.8	122.1	137.6	345.1	385.4	437.6	479.1	558.6
87.5°	8.3	5.9	17.8	24.9	39.1	40.3	118.6	141.1	153.0	183.8	190.9
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0
2.5°	1966.2	1967.4	1968.6	1966.2	1967.4	1967.4	1965.0	1963.9	1963.9	1963.9	1965.0
5°	2004.2	2006.6	2004.2	2005.4	2010.1	2008.9	2006.6	2005.4	2010.1	2011.3	2007.7
7.5°	2071.8	2073.0	2068.2	2074.1	2076.5	2077.7	2077.7	2080.1	2080.1	2083.6	2080.1
10°	2158.3	2158.3	2166.7	2165.5	2166.7	2169.0	2170.2	2175.0	2178.5	2178.5	2180.9
12.5°	2258.0	2259.2	2267.5	2268.6	2273.4	2274.6	2281.7	2276.9	2288.8	2288.8	2292.4
15°	2361.1	2369.4	2370.6	2382.5	2384.9	2386.0	2395.5	2395.5	2403.8	2405.0	2407.4
17.5°	2463.1	2470.2	2475.0	2484.5	2492.8	2496.3	2499.9	2507.0	2512.9	2515.3	2521.2
20°	2550.9	2558.0	2562.7	2572.2	2579.3	2585.3	2588.8	2597.1	2603.1	2605.4	2613.7
22.5°	2624.4	2629.2	2637.5	2650.5	2652.9	2660.0	2670.7	2676.6	2679.0	2686.1	2695.6
25°	2702.7	2709.8	2714.5	2726.4	2735.9	2747.7	2757.2	2766.7	2769.1	2778.6	2786.9
27.5°	2807.0	2814.2	2815.3	2839.1	2848.5	2865.1	2875.8	2890.1	2897.2	2905.5	2922.1
30°	2961.2	2977.8	2984.9	3012.2	3016.9	3035.9	3054.9	3059.6	3070.3	3071.5	3098.8
32.5°	3197.2	3220.9	3230.4	3258.9	3266.0	3283.8	3294.4	3319.4	3320.5	3332.4	3338.3
35°	3583.8	3577.9	3614.6	3621.8	3643.1	3658.5	3669.2	3669.2	3691.7	3692.9	3700.0
37.5°	4111.5	4099.7	4109.2	4066.5	4077.1	4058.2	4054.6	4059.4	4049.9	4052.2	4051.1
40°	4955.9	4902.5	4846.8	4715.2	4686.7	4632.1	4589.5	4555.1	4521.9	4486.3	4462.6
42.5°	6014.9	5937.8	5854.8	5643.7	5545.3	5439.8	5336.6	5277.3	5158.7	5086.4	5047.2
45°	7124.9	7034.8	6918.6	6743.1	6603.1	6490.5	6301.9	6213.0	6029.1	5937.8	5814.5
47.5°	8034.5	8035.7	7942.0	7764.1	7614.7	7540.0	7422.6	7250.6	7041.9	6924.5	6705.1
50°	8830.3	8829.1	8823.1	8716.4	8612.0	8530.2	8427.0	8271.7	8100.9	7968.1	7716.7
52.5°	9418.5	9496.7	9529.9	9528.8	9515.7	9477.8	9399.5	9265.5	9092.3	9017.6	8817.2
55°	9904.7	10075.5	10164.4	10358.9	10376.7	10439.5	10370.7	10371.9	10269.9	10277.1	10213.0
57.5°	10641.1	10953.0	11132.1	11562.6	11778.4	12039.3	11993.1	12211.3	12290.7	12391.5	12525.5
60°	11477.2	12059.5	12484.0	13340.3	13688.9	14111.1	14343.5	14591.4	14771.6	14956.6	15093.0
62.5°	12074.9	12839.8	13537.1	14757.4	15210.4	15655.1	15948.1	16248.1	16450.9	16583.7	16682.1
65°	11830.6	12676.1	13500.4	14779.9	15273.3	15595.8	15944.5	16117.6	16320.4	16430.7	16571.8
67.5°	10052.9	10900.8	11784.3	13294.0	13809.9	14255.8	14527.3	14751.5	14915.1	15055.1	15217.5
70°	7476.0	8403.3	9316.5	10972.0	11623.1	12267.0	12587.2	12864.7	13035.5	13176.6	13355.7
72.5°	5380.5	5961.5	6532.0	8385.5	9036.6	9869.1	10201.2	10509.5	10731.3	10724.1	10913.9
75°	4283.5	4519.5	4773.3	5730.3	6197.5	6899.6	7085.8	7258.9	7154.6	6954.2	6942.3
77.5°	3566.0	3663.3	3748.6	4048.7	4117.5	4284.7	4192.2	4096.1	3786.6	3525.7	3388.1
80°	2894.8	3086.9	3212.6	3426.1	3513.8	3563.6	3576.7	3543.5	3429.6	3271.9	3020.5
82.5°	2152.4	2517.7	2766.7	3186.5	3340.7	3372.7	3434.4	3396.4	3321.7	3193.6	3013.4
85°	630.9	713.9	818.3	1110.0	1300.9	1463.4	1629.4	1711.3	1762.3	1691.1	1504.9
87.5°	221.8	250.2	279.9	385.4	410.3	495.7	486.2	574.0	577.5	602.4	576.4
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0
2.5°	1963.9	1963.9	1963.9	1965.0	1965.0	1965.0	1962.7	1961.5	1962.7	1965.0	1965.0
5°	2010.1	2011.3	2013.7	2008.9	2010.1	2013.7	2011.3	2010.1	2011.3	2013.7	2011.3
7.5°	2084.8	2086.0	2083.6	2088.4	2088.4	2090.8	2094.3	2090.8	2091.9	2093.1	2094.3
10°	2182.1	2183.3	2185.6	2189.2	2190.4	2192.7	2195.1	2198.7	2198.7	2196.3	2202.2
12.5°	2298.3	2297.1	2299.5	2304.2	2306.6	2310.1	2317.3	2317.3	2322.0	2320.8	2326.7
15°	2412.1	2418.1	2419.2	2427.5	2431.1	2437.0	2445.3	2450.1	2450.1	2457.2	2459.6
17.5°	2526.0	2530.7	2535.5	2542.6	2547.3	2550.9	2560.4	2566.3	2565.1	2578.2	2578.2
20°	2613.7	2623.2	2629.2	2633.9	2642.2	2648.1	2655.2	2662.4	2667.1	2675.4	2677.8
22.5°	2699.1	2705.1	2713.4	2719.3	2728.8	2735.9	2744.2	2750.1	2758.4	2769.1	2772.6
25°	2794.0	2803.5	2813.0	2821.3	2828.4	2836.7	2850.9	2864.0	2875.8	2885.3	2888.9
27.5°	2925.6	2936.3	2950.5	2956.5	2967.1	2974.3	2995.6	3012.2	3018.1	3034.7	3039.5
30°	3103.5	3115.4	3129.6	3136.7	3155.7	3165.2	3187.7	3205.5	3211.4	3231.6	3235.2
32.5°	3360.9	3368.0	3396.4	3395.2	3421.3	3448.6	3461.7	3475.9	3502.0	3512.7	3516.2
35°	3717.8	3734.4	3754.6	3753.4	3786.6	3802.0	3828.1	3843.5	3862.5	3861.3	3881.5
37.5°	4062.9	4068.8	4076.0	4091.4	4115.1	4136.4	4145.9	4161.3	4175.6	4196.9	4223.0
40°	4438.8	4453.1	4454.3	4462.6	4474.4	4501.7	4519.5	4536.1	4584.7	4615.5	4631.0
42.5°	5002.2	4998.6	4974.9	4990.3	4997.4	5038.9	5052.0	5103.0	5157.5	5222.7	5240.5
45°	5726.7	5679.3	5665.1	5659.1	5697.1	5718.4	5771.8	5866.7	5923.6	5985.3	6014.9
47.5°	6618.5	6470.3	6400.3	6384.9	6424.1	6515.4	6533.2	6626.8	6701.6	6746.6	6776.3
50°	7511.5	7395.3	7248.3	7198.4	7187.8	7272.0	7292.1	7370.4	7446.3	7459.3	7443.9
52.5°	8633.4	8443.6	8200.5	8112.8	8042.8	8048.7	8065.3	8098.6	8147.2	8127.0	8085.5
55°	10068.3	9852.5	9732.7	9566.7	9461.2	9442.2	9369.8	9270.2	9266.7	9279.7	9155.2
57.5°	12457.9	12367.8	12418.8	12401.0	12296.7	12359.5	12033.4	11940.9	11867.4	11739.3	11624.2
60°	15214.0	15306.5	15412.0	15655.1	15644.5	15888.8	15662.3	15605.3	15536.6	15141.6	14948.3
62.5°	16854.1	16890.9	17046.2	17272.7	17495.7	17729.3	17834.8	17871.6	17728.1	17405.5	17002.3
65°	16568.3	16730.8	16881.4	17077.0	17305.9	17539.5	17762.5	17892.9	17859.7	17646.3	17202.8
67.5°	15269.7	15440.5	15661.1	15866.2	16112.9	16315.7	16560.0	16799.5	16806.7	16699.9	16391.6
70°	13374.6	13572.7	13800.4	13915.4	14182.2	14366.1	14568.9	14806.0	14883.1	14896.2	14536.8
72.5°	10873.6	10956.6	11068.1	11007.6	11060.9	11178.3	11123.8	11142.8	10849.9	10904.4	10460.9
75°	6622.1	6546.2	6209.4	5902.3	5527.5	5239.3	5308.1	4757.9	4215.9	4188.6	3797.3
77.5°	3358.5	3237.5	3028.8	2811.8	2494.0	2129.9	1826.3	1499.0	1222.7	1064.9	914.3
80°	2860.4	2775.0	2660.0	2502.3	2271.0	2001.8	1685.2	1436.1	1204.9	964.1	772.0
82.5°	2737.1	2476.2	2309.0	2177.3	1927.1	1678.1	1504.9	1334.1	1170.5	1022.3	810.0
85°	1357.9	1201.3	1016.3	901.3	693.8	543.1	508.8	418.6	390.2	301.2	253.8
87.5°	456.6	373.6	278.7	234.8	187.4	153.0	150.6	134.0	132.8	121.0	111.5
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0
2.5°	1963.9	1966.2	1966.2	1963.9	1965.0	1962.7	1963.9	1965.0	1961.5	1960.3	1956.7
5°	2012.5	2011.3	2011.3	2012.5	2016.0	2017.2	2011.3	2013.7	2014.9	2008.9	1995.9
7.5°	2093.1	2093.1	2096.7	2095.5	2102.6	2100.2	2099.1	2099.1	2099.1	2087.2	2065.8
10°	2202.2	2202.2	2205.8	2210.5	2211.7	2209.3	2209.3	2210.5	2216.5	2192.7	2159.5
12.5°	2324.4	2330.3	2329.1	2329.1	2343.3	2339.8	2335.0	2339.8	2345.7	2312.5	2265.1
15°	2460.8	2464.3	2466.7	2475.0	2472.6	2480.9	2483.3	2480.9	2486.8	2444.2	2364.7
17.5°	2584.1	2591.2	2593.6	2603.1	2603.1	2604.2	2613.7	2610.2	2611.4	2562.7	2448.9
20°	2686.1	2693.2	2696.7	2707.4	2709.8	2714.5	2718.1	2720.5	2726.4	2668.3	2517.7
22.5°	2788.1	2794.0	2799.9	2807.0	2816.5	2822.5	2827.2	2829.6	2840.2	2772.6	2582.9
25°	2901.9	2915.0	2920.9	2932.7	2942.2	2951.7	2958.8	2960.0	2977.8	2893.6	2636.3
27.5°	3053.7	3071.5	3081.0	3100.0	3109.4	3118.9	3116.6	3130.8	3155.7	3032.4	2677.8
30°	3252.9	3275.5	3281.4	3300.4	3315.8	3325.3	3336.0	3347.8	3364.4	3186.5	2697.9
32.5°	3530.4	3564.8	3573.1	3583.8	3606.3	3622.9	3630.1	3649.0	3653.8	3332.4	2692.0
35°	3911.1	3895.7	3936.0	3945.5	3977.5	3990.6	3998.9	4023.8	4004.8	3491.3	2652.9
37.5°	4255.0	4250.3	4289.4	4310.8	4352.3	4342.8	4362.9	4379.6	4312.0	3604.0	2580.5
40°	4674.8	4668.9	4723.5	4730.6	4794.6	4780.4	4788.7	4801.7	4651.1	3682.2	2448.9
42.5°	5260.7	5263.1	5321.2	5328.3	5336.6	5362.7	5320.0	5322.3	5011.6	3703.6	2231.9
45°	6032.7	6074.2	6038.6	6039.8	6037.4	5987.6	5934.3	5871.4	5386.4	3630.1	1952.0
47.5°	6781.0	6752.5	6707.5	6666.0	6631.6	6553.3	6475.0	6368.3	5710.1	3455.7	1640.1
50°	7421.4	7357.4	7317.0	7202.0	7120.2	7018.2	6909.1	6786.9	5975.8	3204.3	1348.4
52.5°	8016.7	7950.3	7799.7	7679.9	7562.5	7427.3	7300.4	7156.9	6210.6	2917.3	1125.4
55°	9005.8	8947.7	8797.0	8577.7	8433.0	8246.8	8079.6	7885.1	6686.1	2684.9	978.4
57.5°	11307.6	11257.8	10941.2	10802.4	10611.5	10144.2	10075.5	9771.9	7961.0	2657.6	891.8
60°	14548.7	14335.2	14072.0	13692.5	13245.4	13091.2	12747.3	12342.9	10012.6	2732.3	821.8
62.5°	16538.6	16052.4	15665.8	15228.2	14816.7	14463.3	14087.4	13687.7	11062.1	2633.9	735.3
65°	16688.1	16116.5	15605.3	15091.8	14629.3	14189.4	13824.1	13424.5	10720.6	2263.9	622.6
67.5°	15865.0	15262.6	14705.2	14123.0	13655.7	13258.4	12793.6	12409.3	9757.6	1762.3	518.2
70°	14168.0	13639.1	13158.8	12531.5	12143.7	11659.8	11364.5	10884.2	8505.3	1201.3	428.1
72.5°	10204.7	9806.3	9649.7	9212.1	8704.5	8419.9	8283.6	7817.5	6285.3	745.9	349.8
75°	3447.4	3545.9	3320.5	2975.4	3143.8	2884.1	2989.7	2767.9	2658.8	428.1	294.1
77.5°	764.9	718.7	664.1	616.7	613.1	576.4	610.7	577.5	617.9	272.8	259.7
80°	603.6	476.7	405.6	370.0	351.0	340.4	332.1	322.6	294.1	232.4	239.6
82.5°	652.2	492.2	360.5	288.2	246.7	231.3	227.7	218.2	215.8	225.3	241.9
85°	208.7	174.3	148.2	139.9	129.3	123.3	121.0	117.4	142.3	245.5	232.4
87.5°	109.1	96.1	85.4	81.8	71.2	66.4	65.2	66.4	99.6	245.5	168.4
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0	1952.0
2.5°	1953.2	1952.0	1949.6	1948.4	1947.3	1941.3	1946.1
5°	1990.0	1978.1	1967.4	1954.4	1947.3	1941.3	1941.3
7.5°	2045.7	2012.5	1985.2	1955.6	1935.4	1920.0	1917.6
10°	2115.7	2051.6	1988.8	1935.4	1897.4	1869.0	1865.4
12.5°	2182.1	2084.8	1985.2	1897.4	1838.2	1797.8	1795.5
15°	2243.7	2102.6	1957.9	1828.7	1739.7	1686.4	1680.4
17.5°	2292.4	2091.9	1896.3	1732.6	1611.6	1548.8	1545.2
20°	2303.0	2049.2	1808.5	1614.0	1485.9	1419.5	1404.1
22.5°	2293.5	1972.2	1699.4	1483.6	1336.5	1270.1	1261.8
25°	2265.1	1878.5	1564.2	1331.8	1195.4	1127.8	1111.2
27.5°	2214.1	1768.2	1418.3	1184.7	1049.5	984.3	967.7
30°	2138.2	1635.4	1263.0	1047.2	907.2	855.0	838.4
32.5°	2032.6	1474.1	1110.0	906.0	789.8	748.3	741.2
35°	1886.8	1289.1	949.9	789.8	704.4	679.5	676.0
37.5°	1700.6	1104.1	815.9	706.8	645.1	629.7	627.3
40°	1457.5	914.3	721.0	647.5	602.4	589.4	587.0
42.5°	1207.3	772.0	651.1	600.1	563.3	551.4	547.9
45°	987.9	676.0	598.9	560.9	526.5	513.5	512.3
47.5°	824.2	620.2	556.2	525.4	491.0	475.5	476.7
50°	704.4	569.2	520.6	494.5	455.4	441.2	442.3
52.5°	622.6	518.2	487.4	457.8	424.6	410.3	410.3
55°	558.6	476.7	455.4	423.4	397.3	384.2	383.0
57.5°	506.4	443.5	424.6	398.5	372.4	357.0	357.0
60°	474.4	419.8	404.4	380.7	349.8	333.2	332.1
62.5°	455.4	412.7	399.7	366.4	332.1	315.5	311.9
65°	441.2	429.3	412.7	358.1	317.8	300.0	296.5
67.5°	442.3	468.4	444.7	362.9	313.1	287.0	282.2
70°	449.5	499.3	467.2	373.6	333.2	281.1	270.4
72.5°	413.9	451.8	421.0	355.8	324.9	270.4	257.3
75°	345.1	329.7	302.4	289.4	291.7	245.5	240.7
77.5°	279.9	245.5	219.4	230.1	245.5	209.9	205.2
80°	243.1	199.2	186.2	204.0	223.0	179.1	167.2
82.5°	227.7	168.4	160.1	212.3	233.6	154.2	135.2
85°	200.4	137.6	125.7	250.2	233.6	116.2	107.9
87.5°	134.0	81.8	78.3	183.8	160.1	80.6	65.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)