

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: P158569

Luminaire Tested: **VTS-E06-LED-E1-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158569
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33714)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E06-LED-E1-SL4-7030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

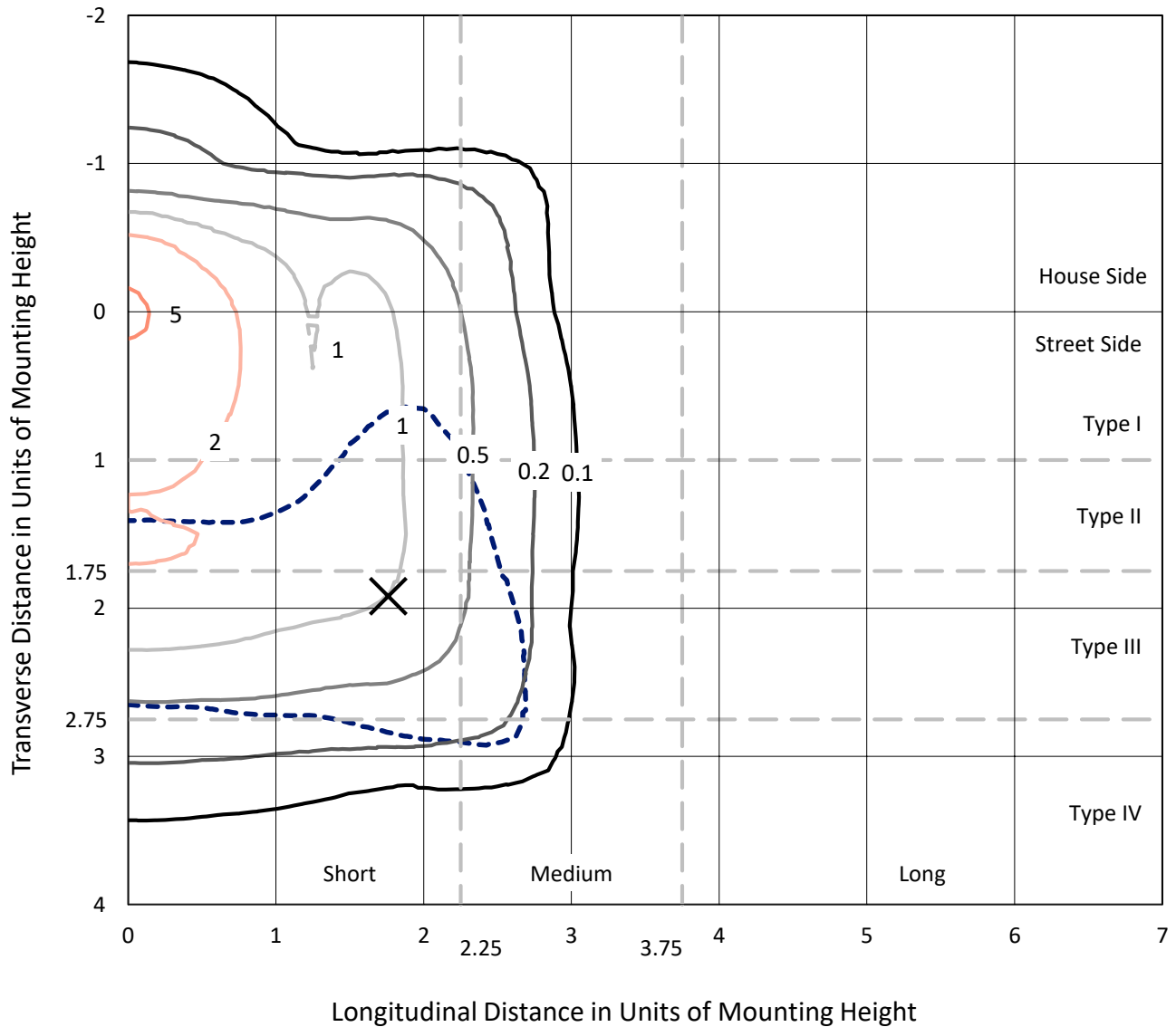
Lumens per Lamp: N/A
Luminaire Lumens: 15897.4 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

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

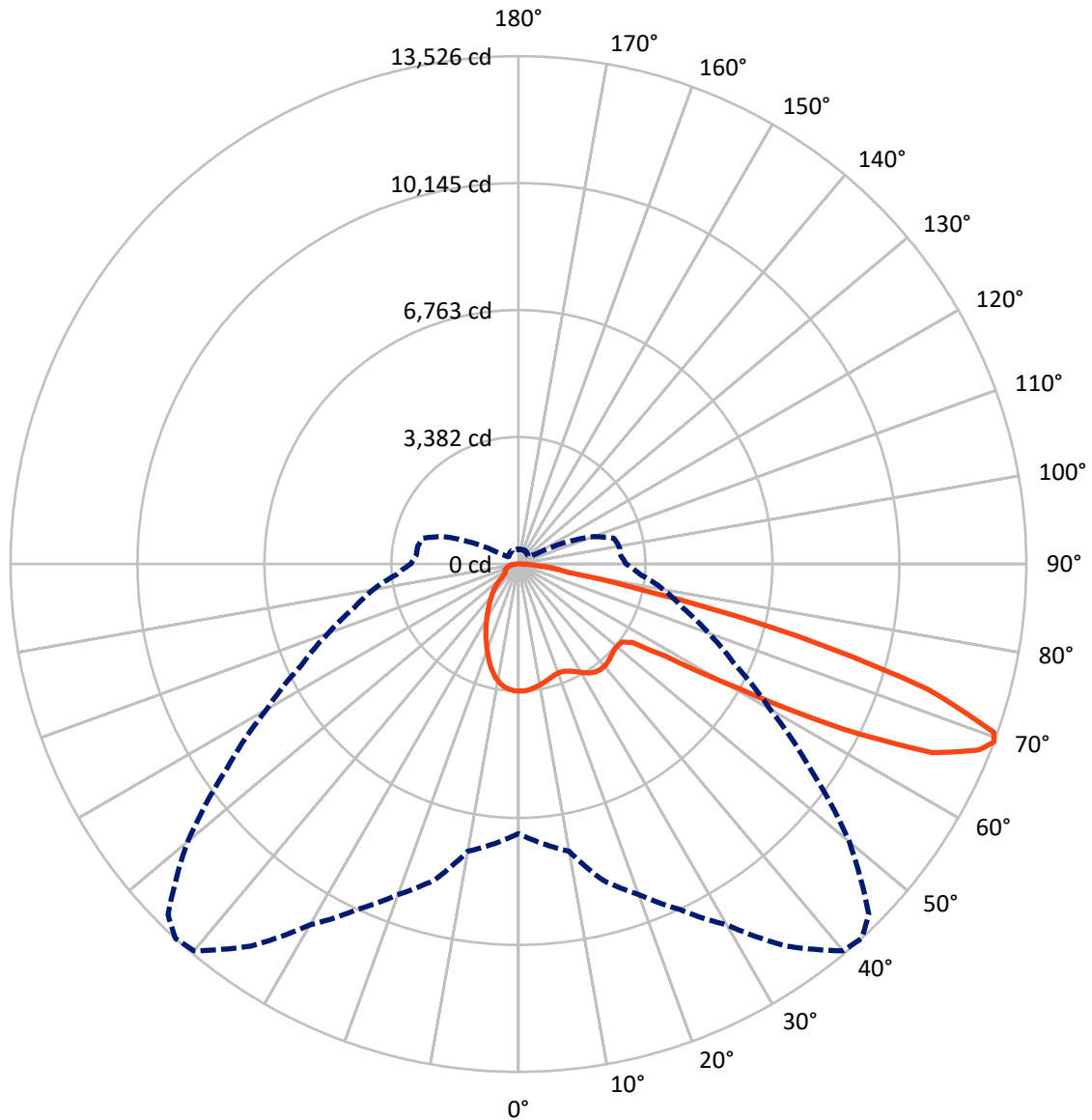
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3534.2	0.0	3534.2
	% Fixture	22.2	0.0	22.2
Street Side	Lumens	12363.2	0.0	12363.2
	% Fixture	77.8	0.0	77.8
Total	Lumens	15897.4	0.0	15897.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.2	2.0
10°-20°	849.4	5.3
20°-30°	1238.6	7.8
30°-40°	1579.0	9.9
40°-50°	1837.2	11.6
50°-60°	2795.2	17.6
60°-70°	4937.7	31.1
70°-80°	2037.6	12.8
80°-90°	307.7	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°	15897.4	100.0
0°-180°	15897.4	100.0



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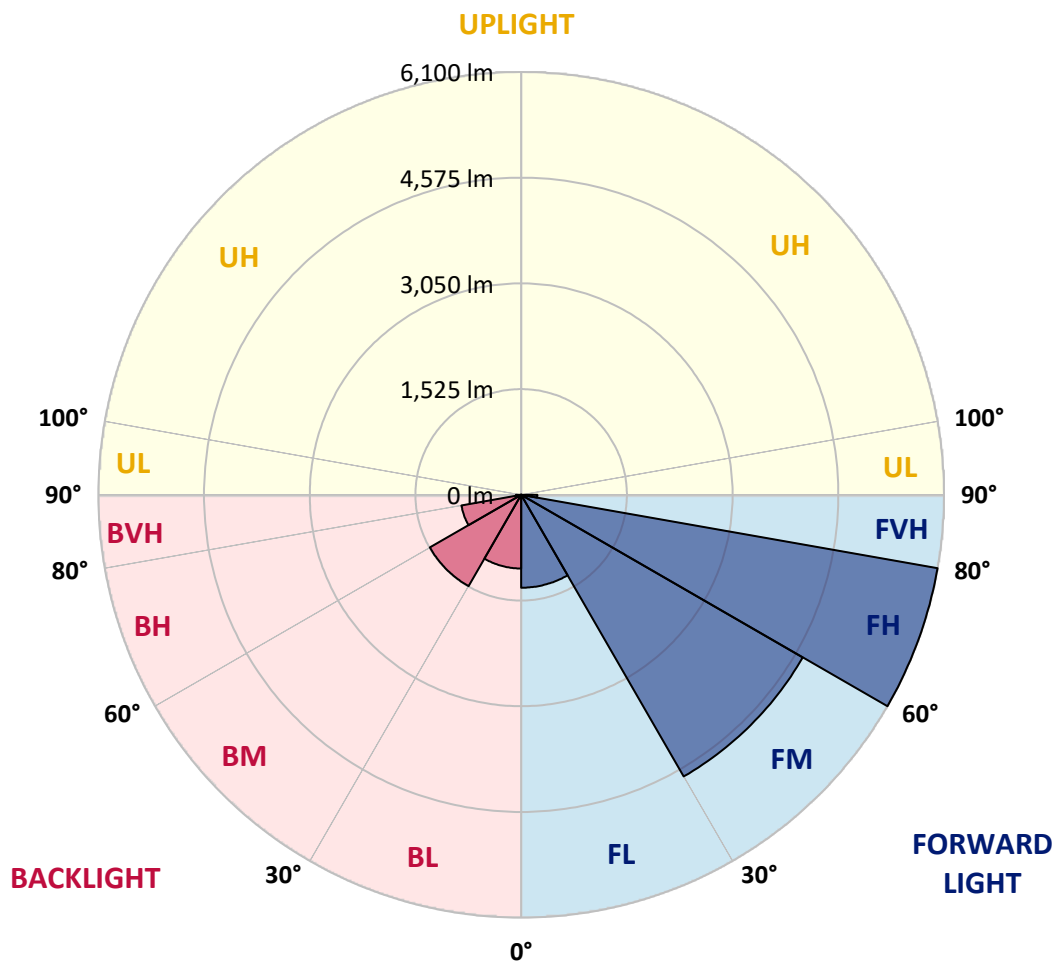
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1340.5	8.4			
FM	(30°-60°)	4690.1	29.5			
FH	(60°-80°)	6099.8	38.4			G3/7500
FVH	(80°-90°)	232.7	1.5			G3/500
BL	(0°-30°)	1062.6	6.7	B3/2500		
BM	(30°-60°)	1521.2	9.6	B2/2500		
BH	(60°-80°)	875.4	5.5	B2/1000		G2/1000
BVH	(80°-90°)	75.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	42.5°	45°
0°	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6
2.5°	3374.6	3386.7	3382.3	3382.3	3385.6	3380.1	3380.1	3382.3	3376.8	3380.1	3379.0
5°	3362.6	3369.2	3367.0	3367.0	3367.0	3362.6	3360.4	3359.3	3351.6	3351.6	3348.3
7.5°	3336.3	3338.5	3341.8	3337.4	3336.3	3335.2	3327.5	3323.1	3314.4	3306.7	3308.9
10°	3301.2	3300.1	3305.6	3302.3	3297.9	3294.6	3288.1	3280.4	3270.5	3260.7	3259.6
12.5°	3261.8	3260.7	3265.0	3262.9	3259.6	3253.0	3247.5	3234.4	3219.0	3207.0	3205.9
15°	3236.5	3233.3	3237.6	3233.3	3227.8	3221.2	3211.3	3194.9	3167.5	3155.4	3145.6
17.5°	3260.7	3255.2	3257.4	3251.9	3244.2	3226.7	3203.7	3168.6	3129.1	3108.3	3093.0
20°	3345.1	3335.2	3337.4	3331.9	3314.4	3291.3	3247.5	3186.1	3119.3	3085.3	3061.2
22.5°	3465.6	3457.9	3461.2	3455.8	3438.2	3403.1	3337.4	3249.7	3154.3	3105.0	3066.7
25°	3648.7	3655.2	3657.4	3632.2	3622.3	3557.7	3466.7	3345.1	3217.9	3159.8	3107.2
27.5°	3854.7	3854.7	3864.6	3854.7	3835.0	3759.4	3631.1	3484.2	3320.9	3242.0	3178.5
30°	4055.3	4053.1	4071.7	4069.5	4037.7	3952.2	3806.5	3627.8	3441.5	3352.7	3271.6
32.5°	4267.9	4274.5	4286.5	4282.2	4240.5	4122.1	3946.8	3752.8	3556.6	3459.0	3368.1
35°	4498.1	4501.4	4505.7	4503.5	4419.2	4270.1	4049.8	3832.8	3628.9	3532.5	3438.2
37.5°	4728.2	4724.9	4719.5	4672.3	4575.9	4368.7	4112.3	3878.8	3665.1	3561.0	3463.4
40°	4934.3	4915.7	4898.1	4824.7	4676.7	4424.6	4136.4	3889.8	3661.8	3554.4	3459.0
42.5°	5047.2	5026.3	4990.2	4898.1	4718.4	4430.1	4119.9	3856.9	3627.8	3521.5	3427.3
45°	5068.0	5052.7	5017.6	4914.6	4708.5	4395.0	4069.5	3803.2	3577.4	3471.1	3382.3
47.5°	5018.7	5006.6	4972.6	4870.7	4665.8	4342.4	4011.4	3746.2	3528.1	3428.4	3342.9
50°	4943.1	4932.1	4905.8	4812.6	4617.5	4306.3	3981.8	3716.6	3511.6	3420.7	3341.8
52.5°	5065.8	5074.6	4997.9	4895.9	4669.0	4338.0	4014.7	3747.3	3541.2	3451.4	3369.2
55°	6974.0	6961.9	6500.5	6113.6	5422.0	4795.1	4327.1	3990.6	3770.3	3680.4	3603.7
57.5°	9061.9	9020.2	8830.6	8468.9	7725.8	6733.9	5831.9	5064.7	4762.2	4632.9	4641.6
60°	9743.6	9759.0	9718.4	9590.2	9323.8	8807.6	8121.5	7545.0	6977.3	6700.0	6731.8
62.5°	10121.7	10149.1	10184.2	10155.7	10069.1	9949.7	9863.1	9915.7	9836.8	9637.3	9478.4
65°	10174.4	10230.3	10346.4	10438.5	10483.4	10596.3	10861.6	11497.3	12078.1	12116.5	11837.0
67.5°	9133.1	9287.7	9539.8	9966.1	10331.1	10732.2	11372.3	12339.0	13196.1	13224.6	12963.7
69°	7181.1	7478.1	7773.0	8725.4	9366.6	10152.4	11099.4	12420.1	13447.1	13526.0	13197.2
70°	5754.1	5930.6	6184.8	7141.7	8099.6	9101.4	10473.6	12152.7	13275.0	13433.9	13071.1
72.5°	3454.7	3522.6	3610.3	3953.3	4446.6	5338.7	7158.1	9908.0	11198.0	11410.7	10949.2
75°	2233.7	2229.3	2237.0	2332.3	2360.8	2531.8	3105.0	5097.6	7305.0	7690.8	7138.4
77.5°	1682.4	1697.7	1673.6	1682.4	1674.7	1720.8	1738.3	1824.9	2883.6	3552.2	3176.3
80°	1485.1	1492.8	1493.9	1489.5	1435.8	1431.4	1459.9	1410.6	1310.8	1330.6	1274.7
82.5°	847.2	846.1	856.0	930.5	961.2	1062.0	1103.7	1126.7	1040.1	975.5	882.3
85°	549.1	553.5	564.5	587.5	564.5	573.2	563.4	583.1	534.9	496.5	443.9
87.5°	224.7	224.7	238.9	259.8	242.2	237.8	203.9	201.7	171.0	154.5	120.6
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6
2.5°	3372.5	3379.0	3375.7	3380.1	3376.8	3376.8	3372.5	3371.4	3374.6	3370.3	3371.4
5°	3342.9	3344.0	3338.5	3340.7	3334.1	3331.9	3328.6	3319.8	3325.3	3319.8	3322.0
7.5°	3300.1	3296.8	3289.2	3278.2	3270.5	3267.2	3260.7	3248.6	3250.8	3240.9	3246.4
10°	3245.3	3234.4	3221.2	3204.8	3193.8	3183.9	3169.7	3155.4	3147.8	3139.0	3137.9
12.5°	3183.9	3170.8	3153.3	3128.0	3103.9	3087.5	3065.6	3040.4	3032.7	3018.4	3010.8
15°	3117.1	3096.3	3075.4	3046.9	3020.6	2995.4	2965.8	2934.0	2913.2	2891.3	2874.9
17.5°	3056.8	3032.7	3005.3	2977.9	2949.4	2918.7	2881.4	2842.0	2811.3	2770.7	2737.9
20°	3009.7	2979.0	2951.6	2923.1	2891.3	2854.0	2809.1	2758.7	2707.2	2662.2	2623.9
22.5°	2991.0	2942.8	2909.9	2881.4	2849.7	2805.8	2751.0	2691.8	2629.4	2566.9	2516.5
25°	3006.4	2935.1	2883.6	2849.7	2822.3	2777.3	2715.9	2643.6	2571.3	2496.7	2428.8
27.5°	3051.3	2960.4	2885.8	2832.1	2800.3	2755.4	2690.7	2614.0	2528.5	2445.2	2361.9
30°	3121.5	3003.1	2908.8	2833.2	2783.9	2732.4	2664.4	2575.6	2489.1	2393.7	2302.7
32.5°	3189.4	3048.0	2935.1	2837.6	2762.0	2695.1	2619.5	2531.8	2438.6	2338.9	2244.6
35°	3237.6	3077.6	2945.0	2827.7	2728.0	2644.7	2563.6	2475.9	2384.9	2283.0	2186.6
37.5°	3260.7	3094.1	2946.1	2801.4	2683.1	2591.0	2504.4	2417.8	2332.3	2235.9	2144.9
40°	3259.6	3093.0	2930.8	2767.5	2629.4	2531.8	2446.3	2361.9	2281.9	2197.5	2115.3
42.5°	3235.5	3075.4	2908.8	2734.6	2591.0	2482.5	2393.7	2312.6	2244.6	2170.1	2101.1
45°	3198.2	3045.8	2885.8	2719.2	2580.0	2471.5	2377.3	2298.4	2238.1	2170.1	2110.9
47.5°	3169.7	3029.4	2889.1	2746.6	2614.0	2501.1	2401.4	2314.8	2263.3	2208.5	2166.8
50°	3174.1	3037.1	2900.1	2763.1	2638.1	2524.1	2427.7	2348.8	2311.5	2297.3	2287.4
52.5°	3197.1	3049.1	2933.0	2850.7	2808.0	2722.5	2665.5	2616.2	2643.6	2589.9	2526.3
55°	3490.8	3442.6	3555.5	3661.8	3796.6	3847.0	3798.8	3790.0	3833.9	3651.9	3234.4
57.5°	4704.1	4829.1	5003.3	5095.4	5207.2	5177.6	5065.8	4972.6	4863.0	4650.4	4129.8
60°	6767.9	6673.7	6594.8	6372.3	6190.3	5977.7	5741.0	5538.2	5344.2	5038.4	4475.1
62.5°	8894.2	8239.9	7693.0	7164.7	6739.4	6386.5	6043.5	5738.8	5445.0	5018.7	4412.6
65°	10733.3	9355.6	8328.7	7553.8	6932.3	6396.4	5955.8	5534.9	5161.2	4661.4	4061.9
67.5°	11559.7	9833.5	8339.6	7229.4	6369.0	5641.2	5071.3	4435.6	4016.9	3696.9	3359.3
69°	11498.4	9468.5	7744.5	6377.7	5389.1	4540.8	3929.2	3266.1	2865.0	2729.1	2721.4
70°	11206.8	8850.4	7049.6	5686.2	4555.1	3712.2	3125.9	2530.7	2157.0	2063.8	2229.3
72.5°	9149.6	6253.9	4418.1	3373.6	2594.3	2050.7	1672.5	1327.3	1059.9	918.5	949.2
75°	5167.7	2895.7	1872.0	1415.0	1195.8	988.6	848.3	723.4	654.3	531.6	420.9
77.5°	1878.6	1242.9	988.6	854.9	606.1	417.6	349.6	305.8	277.3	277.3	264.1
80°	1188.1	936.0	653.2	447.2	331.0	288.3	252.1	221.4	203.9	199.5	203.9
82.5°	742.0	573.2	366.1	280.6	235.6	211.5	184.1	161.1	146.9	143.6	150.2
85°	366.1	283.9	222.5	198.4	186.3	173.2	152.3	130.4	126.0	134.8	157.8
87.5°	109.6	97.5	80.0	83.3	87.7	85.5	68.0	59.2	55.9	73.4	115.1
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6
2.5°	3373.6	3372.5	3374.6	3371.4	3373.6	3374.6	3372.5	3382.3	3375.7	3376.8	3381.2
5°	3324.2	3322.0	3330.8	3328.6	3333.0	3337.4	3335.2	3349.4	3344.0	3348.3	3357.1
7.5°	3242.0	3246.4	3247.5	3247.5	3256.3	3270.5	3273.8	3282.6	3282.6	3294.6	3303.4
10°	3132.4	3133.5	3140.1	3139.0	3150.0	3165.3	3167.5	3182.8	3188.3	3208.1	3220.1
12.5°	3005.3	2999.8	2998.7	2997.6	3011.9	3028.3	3030.5	3056.8	3067.8	3085.3	3105.0
15°	2862.8	2848.6	2844.2	2852.9	2849.7	2859.5	2869.4	2883.6	2899.0	2934.0	2951.6
17.5°	2723.6	2695.1	2687.4	2677.6	2667.7	2667.7	2672.1	2689.6	2721.4	2740.1	2779.5
20°	2581.1	2547.2	2519.8	2493.4	2470.4	2461.7	2462.8	2484.7	2507.7	2538.4	2575.6
22.5°	2461.7	2410.1	2363.0	2327.9	2280.8	2279.7	2273.1	2279.7	2304.9	2312.6	2333.4
25°	2358.6	2289.6	2226.0	2169.0	2123.0	2098.9	2092.3	2090.1	2078.1	2074.8	2059.4
27.5°	2278.6	2195.3	2113.1	2044.1	1987.1	1954.2	1912.6	1883.0	1840.2	1829.3	1801.9
30°	2212.9	2123.0	2033.1	1943.2	1878.6	1819.4	1749.2	1697.7	1632.0	1589.2	1552.0
32.5°	2149.3	2058.3	1967.4	1878.6	1778.8	1686.8	1594.7	1514.7	1441.3	1375.5	1320.7
35°	2096.7	2010.1	1918.0	1810.6	1683.5	1550.9	1440.2	1349.2	1248.4	1179.3	1110.3
37.5°	2062.7	1983.8	1891.7	1743.8	1580.5	1438.0	1311.9	1201.2	1098.2	994.1	916.3
40°	2047.4	1978.3	1863.2	1682.4	1490.6	1332.8	1193.6	1070.8	939.3	822.0	738.7
42.5°	2046.3	1976.1	1823.8	1614.4	1416.1	1244.0	1089.4	942.6	796.8	676.2	594.0
45°	2066.0	1972.8	1782.1	1557.4	1350.3	1170.5	986.4	807.8	644.5	554.6	510.7
47.5°	2118.6	1978.3	1748.2	1504.8	1287.8	1081.8	868.0	659.8	525.0	483.3	483.3
50°	2212.9	2010.1	1739.4	1467.6	1225.4	978.7	723.4	532.7	464.7	464.7	477.9
52.5°	2357.5	2077.0	1754.7	1441.3	1147.5	842.8	569.9	459.2	446.1	458.1	475.7
55°	2690.7	2195.3	1775.6	1396.3	1029.2	668.6	470.2	434.0	439.5	453.8	470.2
57.5°	3302.3	2448.5	1797.5	1297.7	838.5	515.1	426.4	424.2	434.0	447.2	461.4
60°	3704.5	2770.7	1853.4	1148.6	634.6	425.3	404.4	417.6	429.6	440.6	451.6
62.5°	3704.5	2861.7	1895.0	982.0	476.8	386.9	390.2	411.0	425.3	430.7	437.3
65°	3467.8	2695.1	1753.6	800.1	388.0	365.0	377.0	397.9	411.0	415.4	420.9
67.5°	3030.5	2380.6	1477.4	602.8	346.3	346.3	361.7	377.0	388.0	396.8	405.5
69°	2634.8	2136.1	1301.0	510.7	329.9	332.1	347.4	360.6	373.7	384.7	395.7
70°	2349.9	1953.1	1178.2	463.6	320.0	321.1	336.5	350.7	362.8	374.8	388.0
72.5°	1258.2	1349.2	895.4	380.3	294.8	298.1	312.4	325.5	336.5	348.5	360.6
75°	428.5	579.8	569.9	311.3	266.3	275.1	283.9	295.9	310.2	317.8	324.4
77.5°	251.0	259.8	303.6	253.2	240.0	244.4	254.3	264.1	276.2	283.9	289.3
80°	210.4	209.3	210.4	206.1	209.3	219.2	225.8	238.9	249.9	252.1	251.0
82.5°	171.0	179.7	180.8	178.7	188.5	196.2	201.7	209.3	208.2	210.4	214.8
85°	152.3	151.3	158.9	160.0	160.0	154.5	155.6	155.6	155.6	158.9	160.0
87.5°	152.3	127.1	98.6	88.8	93.2	87.7	83.3	82.2	91.0	99.7	97.5
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):

	160°	165°	170°	175°	180°
0°	3385.6	3385.6	3385.6	3385.6	3385.6
2.5°	3383.4	3386.7	3384.5	3384.5	3386.7
5°	3360.4	3365.9	3363.7	3365.9	3365.9
7.5°	3307.8	3315.5	3320.9	3326.4	3323.1
10°	3232.2	3245.3	3254.1	3260.7	3257.4
12.5°	3119.3	3131.3	3150.0	3160.9	3152.2
15°	2964.7	2998.7	3009.7	3025.0	3016.2
17.5°	2803.6	2824.4	2837.6	2851.8	2860.6
20°	2588.8	2605.2	2622.8	2629.4	2619.5
22.5°	2330.1	2338.9	2335.6	2345.5	2325.8
25°	2046.3	2051.8	2048.5	2057.2	2040.8
27.5°	1777.7	1776.6	1777.7	1766.8	1755.8
30°	1519.1	1509.2	1504.8	1488.4	1485.1
32.5°	1287.8	1253.8	1236.3	1212.2	1206.7
35°	1056.6	1008.3	976.6	949.2	937.1
37.5°	849.4	791.3	754.1	729.9	726.7
40°	671.9	618.2	591.9	578.7	576.5
42.5°	548.0	525.0	518.4	518.4	518.4
45°	499.8	498.7	504.2	508.6	509.6
47.5°	489.9	496.5	504.2	510.7	512.9
50°	489.9	496.5	502.0	508.6	510.7
52.5°	487.7	493.2	495.4	499.8	502.0
55°	481.2	484.4	484.4	486.6	488.8
57.5°	470.2	472.4	469.1	471.3	476.8
60°	459.2	461.4	455.9	461.4	464.7
62.5°	447.2	448.3	446.1	450.5	450.5
65°	427.4	425.3	428.5	431.8	432.9
67.5°	407.7	402.2	405.5	406.6	408.8
69°	392.4	389.1	390.2	392.4	394.6
70°	381.4	379.2	381.4	384.7	388.0
72.5°	354.0	355.1	362.8	369.4	375.9
75°	328.8	336.5	346.3	360.6	368.3
77.5°	298.1	303.6	311.3	326.6	340.9
80°	257.6	260.9	261.9	267.4	266.3
82.5°	209.3	206.1	203.9	201.7	200.6
85°	150.2	149.1	140.3	133.7	133.7
87.5°	89.9	85.5	81.1	75.6	72.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)