

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: INVUE

Report Number: P148763

Luminaire Tested: **VXS-F05-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148763
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F05-LED-E1-RW-8030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10882.8 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 133.3
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

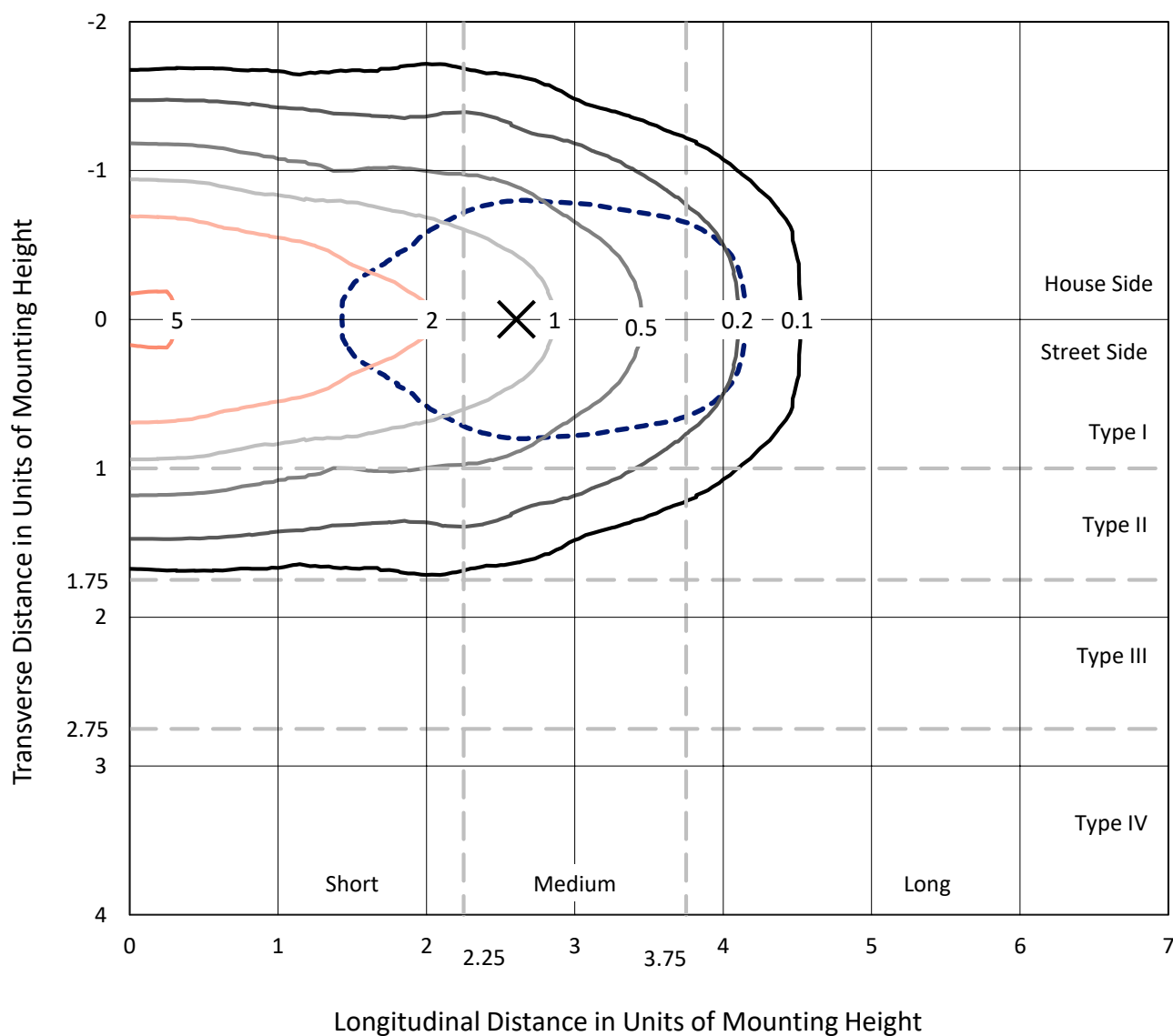


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

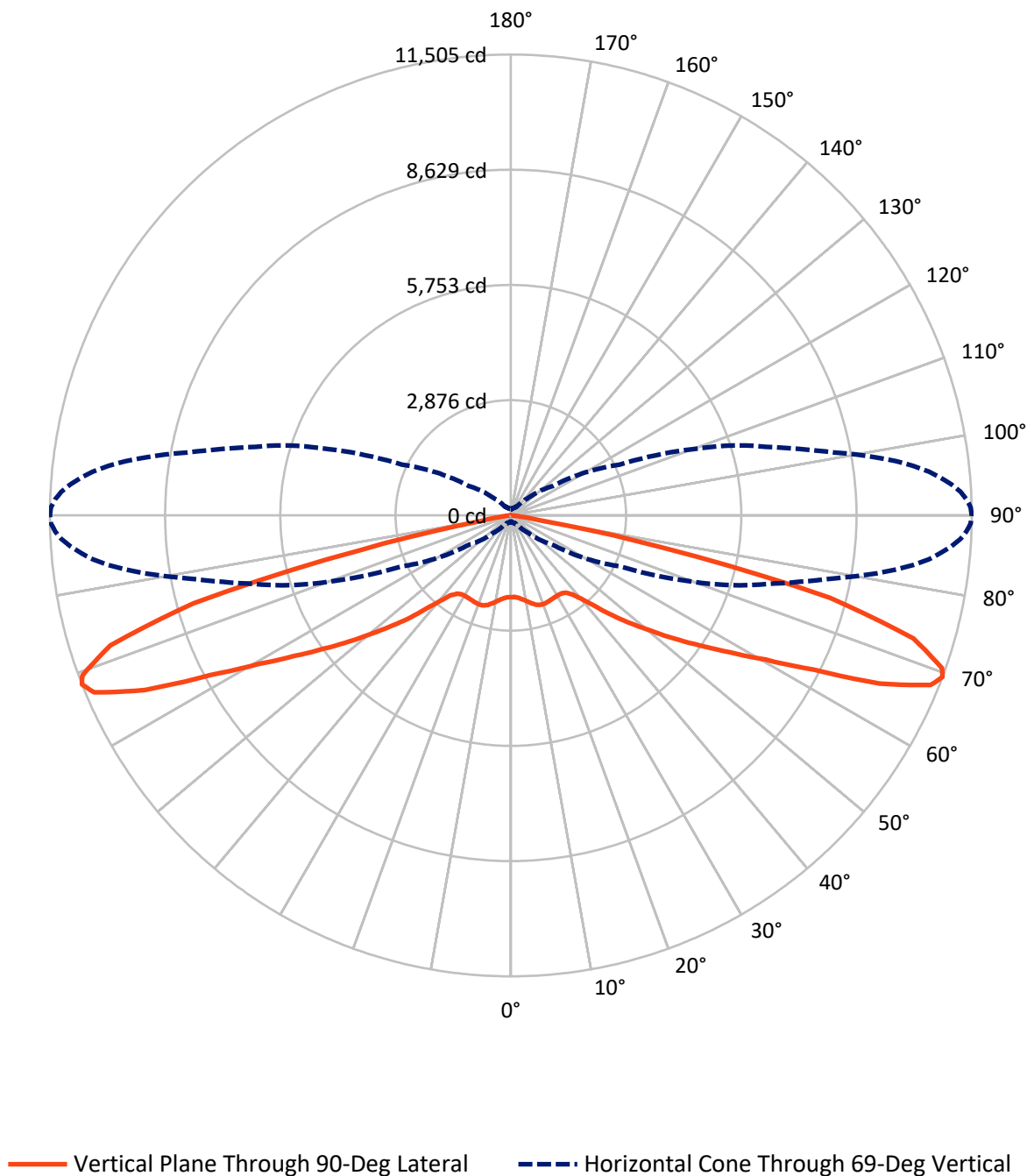


Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5441.4	0.0	5441.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5441.4	0.0	5441.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10882.8	0.0	10882.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.0	1.8
10°-20°	631.0	5.8
20°-30°	1022.2	9.4
30°-40°	1274.0	11.7
40°-50°	1592.0	14.6
50°-60°	1965.7	18.1
60°-70°	2442.5	22.4
70°-80°	1621.5	14.9
80°-90°	133.9	1.2
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°	10882.8	100.0
0°-180°	10882.8	100.0

Coefficient of Utilization



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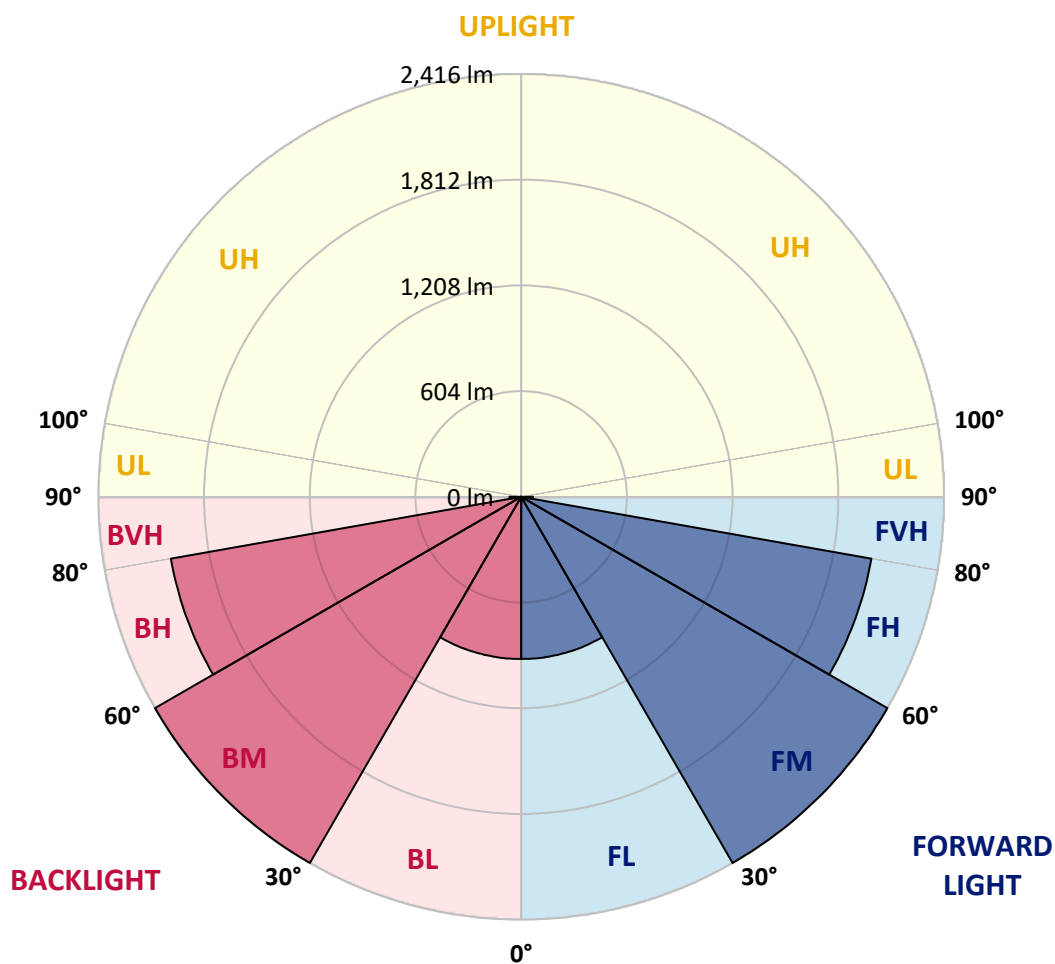
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	926.6	8.5			
FM	(30°-60°)	2415.8	22.2			
FH	(60°-80°)	2032.0	18.7			G2/5000
FVH	(80°-90°)	66.9	0.6			G1/100
BL	(0°-30°)	926.6	8.5	B2/1000		
BM	(30°-60°)	2415.8	22.2	B2/2500		
BH	(60°-80°)	2032.0	18.7	B3/2500		G3/2500
BVH	(80°-90°)	66.9	0.6			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1
2.5°	2048.4	2050.2	2049.0	2051.4	2050.8	2050.8	2049.6	2047.2	2047.0	2046.7	2046.4
5°	2068.2	2065.8	2069.4	2072.8	2071.6	2072.2	2071.6	2071.6	2071.4	2071.2	2070.9
7.5°	2089.0	2088.5	2090.8	2100.0	2101.2	2104.7	2108.8	2111.7	2111.8	2111.9	2112.1
10°	2107.0	2107.6	2113.4	2126.8	2133.8	2144.8	2155.8	2164.5	2165.1	2165.8	2166.4
12.5°	2121.6	2122.1	2130.9	2151.8	2168.6	2189.5	2213.3	2226.6	2227.8	2229.0	2230.1
15°	2122.8	2124.4	2139.6	2173.9	2207.4	2241.8	2270.2	2288.2	2289.1	2290.0	2291.0
17.5°	2107.6	2108.8	2134.3	2184.9	2241.2	2294.6	2324.2	2332.4	2332.7	2333.0	2333.4
20°	2068.2	2071.0	2107.0	2181.9	2267.8	2337.5	2368.3	2357.3	2356.2	2355.1	2354.0
22.5°	2004.3	2003.7	2050.8	2151.8	2273.1	2371.2	2398.5	2369.4	2366.0	2362.6	2359.2
25°	1901.0	1907.9	1963.0	2083.8	2243.5	2378.8	2420.0	2375.9	2371.0	2366.0	2361.1
27.5°	1788.8	1793.0	1851.6	1981.0	2174.4	2352.6	2430.4	2388.6	2383.1	2377.6	2372.1
30°	1658.2	1663.5	1726.2	1861.5	2063.5	2285.3	2427.6	2417.6	2411.2	2404.8	2398.3
32.5°	1530.4	1536.2	1592.6	1740.8	1946.8	2193.0	2410.1	2458.8	2452.2	2445.6	2439.0
35°	1398.0	1406.8	1475.4	1625.2	1834.2	2090.2	2383.4	2511.8	2508.1	2504.4	2500.8
37.5°	1288.4	1290.1	1356.4	1513.7	1729.6	1992.0	2348.0	2578.5	2581.2	2583.9	2586.5
40°	1165.8	1176.9	1243.1	1409.2	1634.9	1909.0	2314.3	2669.0	2682.9	2696.8	2710.7
42.5°	1056.1	1057.3	1124.7	1295.9	1532.2	1842.3	2295.8	2778.2	2807.9	2837.6	2867.3
45°	940.6	945.2	1006.2	1171.6	1413.8	1763.3	2295.2	2904.2	2951.6	2999.0	3046.3
47.5°	831.4	833.2	897.6	1051.5	1278.0	1653.0	2291.2	3039.5	3104.0	3168.5	3233.0
50°	726.8	725.2	788.4	936.5	1143.8	1508.4	2255.7	3192.8	3274.3	3355.7	3437.2
52.5°	607.3	615.4	681.0	822.7	1021.8	1361.6	2152.4	3360.6	3458.0	3555.4	3652.8
55°	490.0	493.6	563.8	696.2	898.2	1224.6	1972.4	3515.0	3629.9	3744.7	3859.6
57.5°	361.2	371.6	433.1	563.8	772.8	1109.0	1743.6	3595.1	3734.9	3874.6	4014.4
60°	254.9	263.0	317.6	427.4	635.2	987.6	1546.8	3550.4	3732.1	3913.7	4095.3
62.5°	198.6	204.9	248.5	320.0	495.2	866.2	1405.6	3405.8	3653.0	3900.1	4147.2
65°	174.2	180.0	219.4	256.0	369.8	742.6	1328.4	3253.2	3579.8	3906.4	4233.1
67.5°	157.4	164.3	198.5	224.2	301.4	648.0	1308.2	3156.8	3526.8	3896.8	4266.7
69°	149.8	156.8	187.5	209.0	279.8	614.3	1273.3	3005.2	3373.1	3740.9	4108.7
70°	145.2	151.0	179.4	201.4	272.9	591.0	1215.2	2816.0	3177.2	3538.4	3899.6
72.5°	134.6	137.6	162.6	184.1	253.2	477.9	934.8	2091.4	2404.5	2717.6	3030.8
75°	119.1	122.5	145.8	166.6	197.4	296.6	591.6	1293.6	1527.4	1761.1	1994.9
77.5°	102.8	105.6	126.0	159.2	153.2	185.2	353.6	719.9	855.5	991.1	1126.7
80°	82.4	85.9	103.9	158.0	126.6	144.0	254.4	503.4	539.9	576.5	613.1
82.5°	60.4	63.2	81.3	127.8	97.0	108.6	194.0	426.7	439.4	452.2	464.9
85°	30.8	31.4	51.6	77.8	61.6	56.3	109.2	292.1	300.2	308.4	316.5
87.5°	5.2	5.2	11.6	13.4	15.1	9.2	14.0	50.0	51.5	53.1	54.7
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1
2.5°	2046.1	2045.8	2044.8	2044.9	2045.8	2045.3	2046.1	2046.2	2046.9	2044.7	2044.2
5°	2070.7	2070.4	2070.3	2070.2	2070.7	2070.5	2071.0	2072.0	2071.7	2070.3	2070.1
7.5°	2112.2	2112.3	2112.9	2112.3	2113.4	2112.9	2111.6	2113.5	2114.8	2114.9	2116.2
10°	2167.1	2167.7	2169.7	2169.4	2171.5	2171.2	2171.4	2173.5	2174.8	2175.1	2176.5
12.5°	2231.3	2232.4	2233.5	2234.5	2236.8	2235.5	2238.2	2239.4	2241.2	2244.6	2242.8
15°	2291.9	2292.8	2296.0	2296.2	2298.2	2299.0	2301.6	2302.6	2303.1	2305.9	2306.4
17.5°	2333.7	2334.0	2335.2	2334.7	2336.4	2335.8	2337.6	2338.5	2340.0	2341.5	2344.2
20°	2352.9	2351.8	2351.1	2350.4	2349.3	2347.5	2348.0	2348.8	2349.0	2350.4	2352.4
22.5°	2355.8	2352.4	2348.9	2346.5	2342.9	2339.9	2337.0	2337.2	2337.5	2337.1	2338.5
25°	2356.1	2351.2	2345.7	2339.0	2334.1	2327.4	2322.0	2321.4	2319.8	2319.9	2320.6
27.5°	2366.6	2361.1	2353.4	2345.7	2335.0	2326.1	2317.2	2314.1	2311.0	2309.0	2308.2
30°	2391.9	2385.5	2376.2	2366.4	2354.9	2341.0	2328.3	2324.3	2319.8	2315.8	2312.5
32.5°	2432.4	2425.8	2415.6	2405.3	2389.9	2376.2	2363.6	2357.3	2350.9	2343.9	2337.5
35°	2497.1	2493.4	2484.4	2475.5	2464.1	2453.4	2442.0	2434.9	2424.2	2418.7	2410.9
37.5°	2589.2	2591.9	2591.9	2593.0	2589.5	2584.3	2576.2	2568.6	2565.2	2550.6	2541.4
40°	2724.6	2738.5	2751.2	2761.0	2769.7	2778.3	2785.8	2781.4	2782.8	2778.9	2773.3
42.5°	2897.0	2926.6	2953.7	2980.8	3000.4	3031.0	3052.3	3059.0	3076.2	3083.0	3095.5
45°	3093.7	3141.1	3186.6	3228.6	3267.8	3311.6	3354.2	3385.9	3420.5	3459.7	3499.0
47.5°	3297.5	3362.0	3429.1	3484.0	3540.6	3605.3	3662.0	3709.7	3771.9	3829.5	3892.9
50°	3518.6	3600.1	3676.4	3744.1	3817.0	3891.6	3969.0	4039.2	4123.3	4215.5	4315.2
52.5°	3750.3	3847.7	3936.1	4021.0	4106.4	4191.9	4274.4	4373.5	4477.2	4598.9	4723.5
55°	3974.4	4089.3	4189.5	4283.9	4381.8	4477.3	4562.5	4695.0	4822.2	4967.5	5130.2
57.5°	4154.2	4293.9	4409.5	4521.6	4632.0	4733.7	4838.2	4987.7	5149.9	5319.7	5526.0
60°	4277.0	4458.6	4606.2	4740.9	4876.4	5004.2	5124.5	5319.9	5512.8	5723.8	5980.7
62.5°	4394.3	4641.4	4834.0	5017.8	5200.4	5364.6	5514.1	5759.8	6011.9	6272.8	6578.2
65°	4559.8	4886.4	5170.0	5426.3	5679.1	5920.2	6144.0	6455.4	6773.6	7116.9	7481.6
67.5°	4636.7	5006.6	5375.9	5721.4	6042.4	6347.8	6635.2	7011.6	7386.2	7784.1	8224.9
69°	4476.5	4844.3	5239.1	5616.4	5971.1	6295.0	6606.2	6990.4	7379.9	7786.2	8230.8
70°	4260.8	4622.0	5020.5	5414.9	5754.1	6091.7	6414.0	6795.3	7189.8	7597.2	8062.6
72.5°	3343.9	3657.0	4045.6	4428.4	4768.8	5107.5	5420.7	5810.8	6207.9	6635.8	7076.5
75°	2228.6	2462.4	2751.9	3107.0	3419.1	3718.5	4021.9	4351.9	4739.4	5092.0	5495.2
77.5°	1262.2	1397.8	1566.0	1797.0	2020.9	2200.1	2416.6	2571.8	2796.7	2990.8	3196.0
80°	649.6	686.2	736.4	791.8	823.4	818.4	850.6	818.8	825.8	799.9	772.1
82.5°	477.6	490.3	513.0	524.1	523.0	486.5	447.7	393.8	346.3	296.5	250.7
85°	324.6	332.8	338.4	347.0	344.6	328.8	293.8	247.0	201.4	161.5	129.2
87.5°	56.2	57.8	57.4	62.2	62.4	57.9	47.6	40.7	34.3	25.6	18.0
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1
2.5°	2043.8	2043.7	2044.9	2043.8	2043.8	2043.8	2043.2	2044.3	2043.7	2042.0	2040.3
5°	2070.5	2068.7	2068.2	2069.2	2070.4	2068.2	2069.8	2071.6	2068.8	2069.3	2068.2
7.5°	2115.1	2114.6	2114.0	2115.2	2115.1	2114.6	2115.2	2113.4	2112.3	2114.0	2115.8
10°	2175.0	2174.4	2175.6	2175.6	2177.9	2176.8	2176.1	2177.9	2176.8	2175.6	2176.2
12.5°	2245.2	2243.5	2246.4	2246.4	2248.2	2248.2	2247.6	2248.1	2247.6	2245.8	2244.7
15°	2308.0	2305.6	2306.2	2310.8	2310.2	2311.4	2311.4	2310.2	2309.7	2309.1	2309.6
17.5°	2345.7	2344.5	2344.5	2346.8	2348.6	2348.0	2348.0	2348.0	2347.4	2348.0	2349.1
20°	2352.6	2352.6	2353.2	2355.6	2358.4	2356.6	2356.8	2357.8	2356.6	2357.9	2358.4
22.5°	2339.3	2340.4	2341.6	2344.5	2345.2	2345.2	2345.0	2345.7	2346.8	2346.9	2348.0
25°	2320.7	2321.8	2323.6	2325.9	2328.3	2328.2	2328.2	2329.4	2329.4	2330.0	2330.6
27.5°	2306.8	2308.0	2309.6	2312.0	2314.9	2314.9	2314.9	2316.1	2316.1	2316.6	2317.8
30°	2308.5	2306.2	2307.9	2309.1	2310.8	2310.9	2310.2	2310.9	2311.4	2311.4	2312.0
32.5°	2333.5	2328.2	2326.6	2326.0	2326.5	2324.8	2324.2	2323.0	2321.8	2321.9	2321.2
35°	2399.6	2391.6	2391.0	2386.3	2381.6	2377.0	2377.6	2374.2	2375.3	2372.4	2370.1
37.5°	2535.5	2526.2	2532.0	2522.2	2515.9	2511.2	2505.9	2499.0	2494.9	2500.2	2500.1
40°	2778.8	2772.4	2770.7	2772.5	2766.6	2769.5	2756.8	2753.3	2745.7	2751.0	2757.9
42.5°	3115.0	3111.0	3133.0	3137.1	3139.4	3142.9	3145.2	3126.0	3125.4	3121.4	3109.7
45°	3530.1	3554.5	3553.4	3580.0	3581.2	3573.0	3576.6	3567.8	3564.4	3551.6	3567.3
47.5°	3956.9	4003.4	4020.8	4026.6	4048.6	4053.8	4032.9	4026.0	4038.1	4017.2	4020.2
50°	4415.0	4465.0	4505.5	4532.8	4548.5	4549.7	4534.0	4530.5	4541.6	4502.1	4520.6
52.5°	4865.5	4941.0	5017.6	5058.4	5087.3	5089.6	5101.8	5087.3	5093.2	5083.9	5102.4
55°	5309.7	5440.3	5530.4	5609.9	5660.4	5704.0	5708.0	5723.7	5724.9	5744.0	5724.9
57.5°	5744.0	5886.2	6043.0	6184.1	6262.5	6311.9	6358.2	6421.6	6435.5	6428.0	6440.2
60°	6256.7	6476.8	6689.8	6852.4	6987.6	7117.2	7186.8	7286.1	7301.8	7344.8	7307.6
62.5°	6904.6	7224.0	7513.2	7732.0	7937.6	8139.1	8291.2	8367.8	8414.2	8504.2	8474.6
65°	7898.6	8281.9	8664.5	8978.0	9266.0	9505.8	9736.9	9847.2	9969.1	10096.8	10120.1
67.5°	8717.4	9191.7	9623.0	10005.2	10354.1	10620.6	10860.9	11051.9	11200.7	11294.6	11302.2
69°	8754.4	9247.4	9716.0	10125.9	10489.9	10773.3	11026.4	11239.0	11383.5	11479.8	11505.4
70°	8576.8	9081.4	9580.8	9994.7	10367.4	10657.2	10925.4	11128.0	11289.4	11387.6	11421.9
72.5°	7577.6	8116.4	8650.0	9012.8	9393.7	9738.6	9953.4	10160.2	10387.8	10417.4	10511.4
75°	5973.3	6426.2	6840.2	7117.7	7436.0	7745.4	7956.2	8010.7	8129.8	8279.6	8226.1
77.5°	3461.6	3601.0	3868.0	3936.6	3878.5	4013.2	4057.8	3962.7	3958.0	4045.8	3871.5
80°	767.0	723.4	778.0	737.4	738.6	739.7	727.5	722.8	731.6	722.8	710.7
82.5°	212.5	205.6	206.6	204.4	208.4	205.6	203.8	208.4	207.8	207.2	211.3
85°	102.2	101.0	99.2	98.7	96.4	93.4	88.8	88.8	91.2	87.6	89.4
87.5°	13.4	12.8	12.8	15.1	13.4	11.0	11.0	11.0	10.4	10.4	10.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)