

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: P155461

Luminaire Tested: **VXS-E06-LED-E1-T3-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155461  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E06-LED-E1-T3-7050  
Description: VISION SITE SMALL LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (126) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18986.6 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

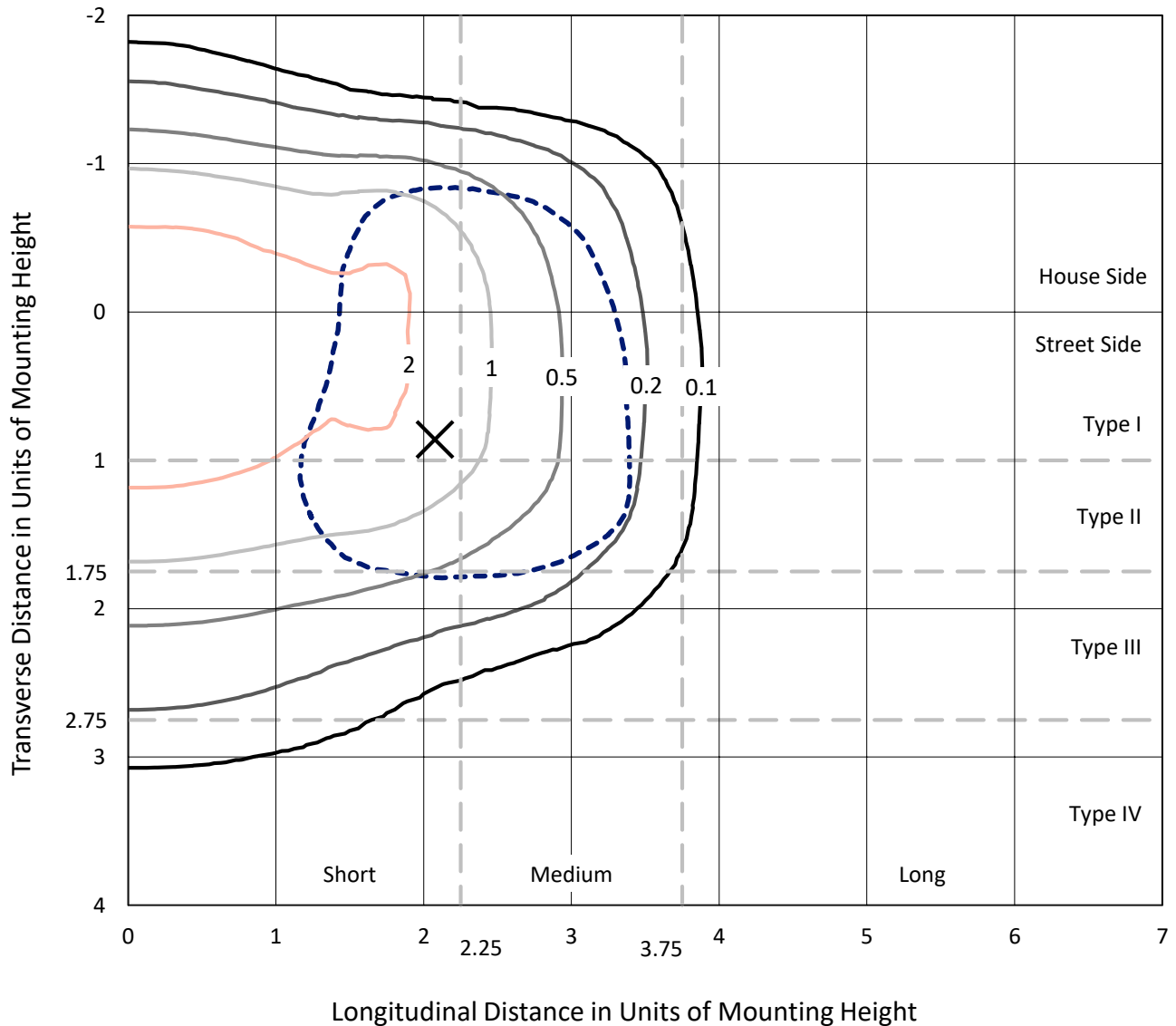


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

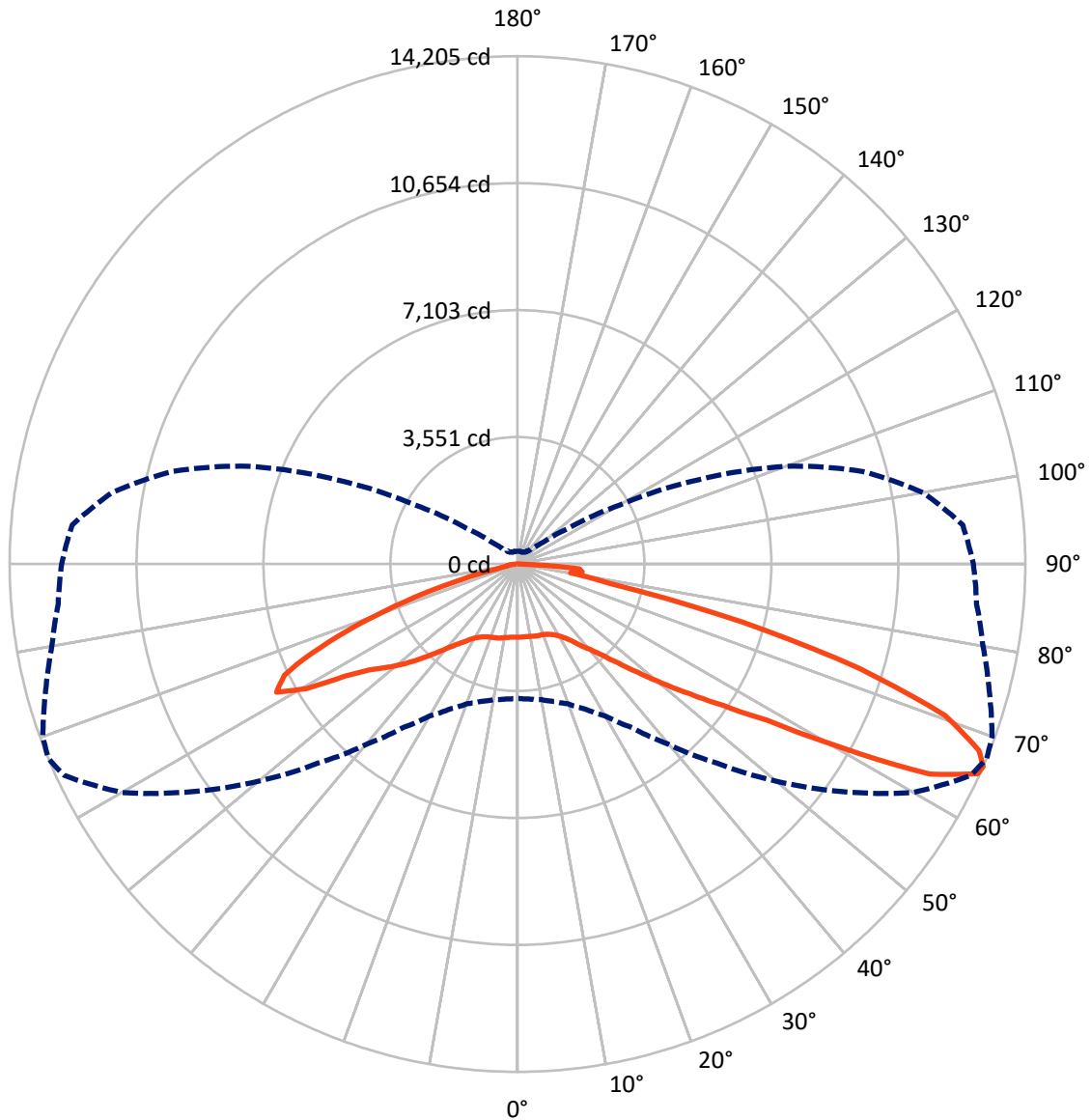


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6556.7	0.0	6556.7
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	12429.9	0.0	12429.9
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	18986.6	0.0	18986.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.0	1.0
10°-20°	578.3	3.0
20°-30°	994.0	5.2
30°-40°	1614.0	8.5
40°-50°	2694.5	14.2
50°-60°	4242.9	22.3
60°-70°	5785.7	30.5
70°-80°	2504.6	13.2
80°-90°	376.6	2.0
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°	18986.6	100.0
0°-180°	18986.6	100.0

**Coefficient of Utilization**



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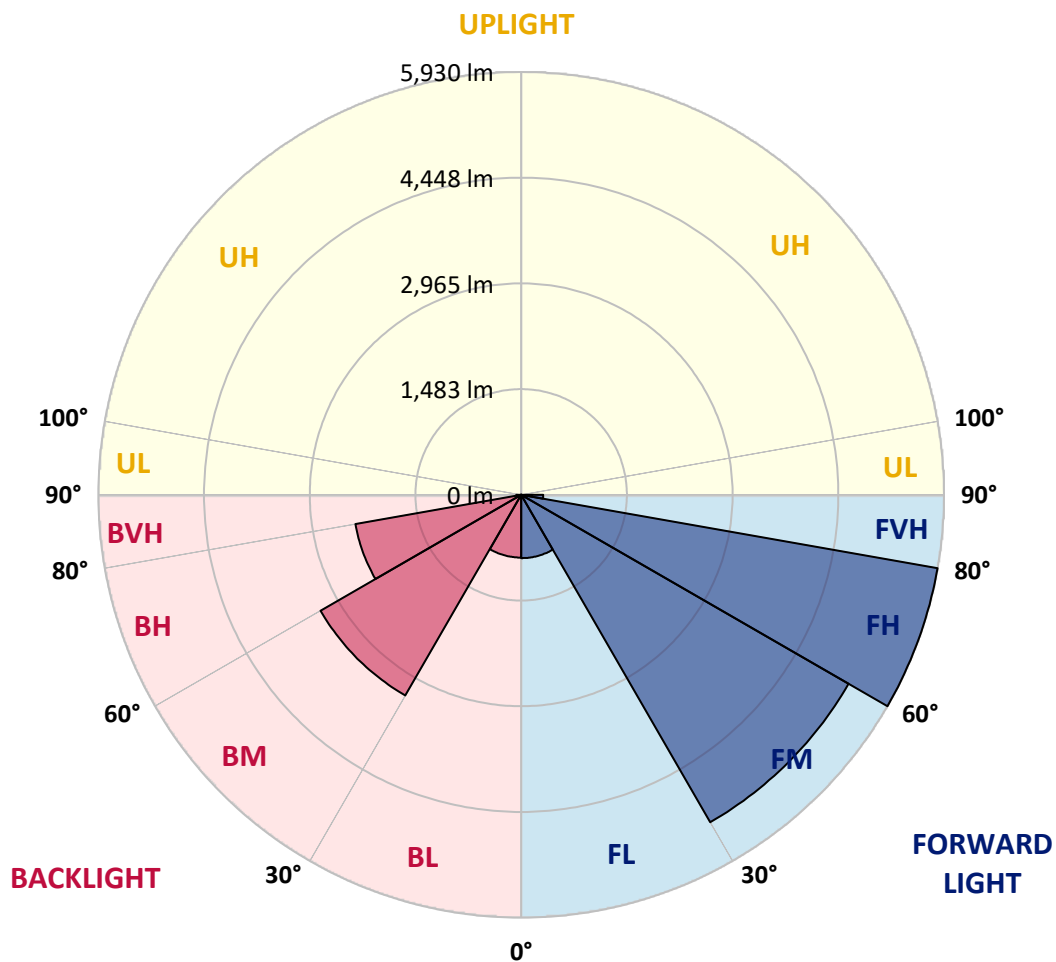
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	888.2	4.7			
FM	(30°-60°)	5302.3	27.9			
FH	(60°-80°)	5930.2	31.2			G3/7500
FVH	(80°-90°)	309.2	1.6			G3/500
BL	(0°-30°)	880.1	4.6	B2/1000		
BM	(30°-60°)	3249.1	17.1	B3/5000		
BH	(60°-80°)	2360.1	12.4	B3/2500		G3/2500
BVH	(80°-90°)	67.4	0.4			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0
2.5°	2054.3	2062.5	2054.3	2056.3	2058.3	2056.3	2054.3	2054.3	2048.1	2052.2	2056.3
5°	2046.0	2052.2	2050.2	2052.2	2054.3	2052.2	2050.2	2052.2	2048.1	2050.2	2056.3
7.5°	2035.8	2033.8	2035.8	2039.9	2044.0	2044.0	2044.0	2046.0	2044.0	2044.0	2050.2
10°	2005.0	2007.0	2011.2	2017.3	2019.4	2025.5	2025.5	2031.7	2033.8	2037.8	2046.0
12.5°	1966.0	1968.1	1972.1	1976.3	1986.5	1996.8	1996.8	2011.2	2017.3	2027.6	2042.0
15°	1937.3	1939.4	1943.4	1947.6	1955.8	1966.0	1972.1	1988.6	1998.9	2017.3	2037.8
17.5°	1953.7	1951.6	1955.8	1957.8	1957.8	1966.0	1966.0	1978.3	1990.7	2007.0	2033.8
20°	2000.9	2000.9	2005.0	2005.0	2003.0	2007.0	1998.9	1998.9	2000.9	2009.1	2027.6
22.5°	2048.1	2046.0	2054.3	2058.3	2060.4	2066.5	2058.3	2056.3	2046.0	2039.9	2046.0
25°	2093.3	2091.2	2101.5	2107.7	2117.9	2124.0	2124.0	2124.0	2115.9	2105.6	2099.4
27.5°	2163.0	2163.0	2173.3	2179.5	2187.7	2200.0	2206.1	2206.1	2208.2	2193.8	2183.5
30°	2280.0	2282.1	2284.1	2292.3	2300.5	2304.7	2312.8	2319.0	2325.2	2317.0	2300.5
32.5°	2419.6	2407.3	2407.3	2419.6	2429.8	2442.2	2446.2	2454.4	2466.7	2460.6	2458.5
35°	2585.8	2581.7	2577.6	2581.7	2594.0	2608.4	2624.8	2639.2	2631.0	2643.2	2637.1
37.5°	2832.0	2836.2	2838.2	2838.2	2836.2	2840.3	2848.5	2862.8	2858.8	2862.8	2871.1
40°	3238.3	3224.0	3209.6	3211.7	3191.2	3195.3	3162.5	3176.8	3178.9	3164.6	3170.7
42.5°	3644.8	3653.0	3659.1	3675.5	3661.1	3653.0	3622.2	3622.2	3605.7	3591.4	3587.3
45°	4083.9	4100.3	4102.4	4135.2	4122.9	4149.5	4172.1	4166.0	4139.3	4137.3	4108.5
47.5°	4434.8	4461.6	4490.3	4529.2	4560.0	4619.5	4689.3	4724.1	4744.7	4761.1	4728.3
50°	4697.5	4709.8	4783.7	4845.3	4913.0	5011.5	5108.0	5233.2	5333.7	5380.9	5426.0
52.5°	4839.1	4869.9	4949.9	5046.4	5165.4	5313.2	5469.1	5668.2	5840.6	5955.5	6058.1
55°	4869.9	4900.7	4991.0	5114.1	5276.3	5475.3	5699.0	5969.8	6228.5	6450.1	6665.6
57.5°	4783.7	4818.5	4915.0	5056.7	5247.5	5489.6	5770.8	6125.8	6482.9	6842.1	7160.2
60°	4625.7	4668.8	4757.0	4896.6	5108.0	5380.9	5717.4	6162.8	6663.5	7213.5	7823.0
62.5°	4365.1	4410.2	4492.3	4646.2	4863.7	5165.4	5555.3	6109.4	6817.4	7683.5	8765.0
65°	3946.4	3966.9	4067.5	4223.4	4416.4	4748.8	5177.7	5846.7	6768.2	7972.8	9462.7
66°	3757.6	3792.4	3854.1	3979.3	4163.9	4475.9	4906.8	5586.1	6581.5	7872.3	9444.2
67.5°	3462.1	3488.8	3529.8	3614.0	3726.8	3956.7	4365.1	5007.4	6010.9	7363.3	9052.3
70°	2799.2	2811.5	2866.9	2895.6	2934.6	3010.6	3158.3	3527.8	4309.6	5580.0	7305.9
72.5°	1908.6	1943.4	2003.0	2085.1	2191.7	2294.4	2364.1	2411.4	2579.6	3328.7	4867.9
75°	1399.6	1436.6	1512.4	1621.2	1808.0	2021.5	2243.1	2345.7	2275.9	2179.5	2711.0
77.5°	812.6	862.0	925.6	1030.3	1202.6	1485.8	1865.5	2202.1	2429.8	2444.1	2321.0
80°	342.7	348.9	387.9	441.2	548.0	747.0	1042.5	1526.8	2031.7	2372.3	2452.4
82.5°	78.0	96.5	123.1	145.7	178.5	246.2	365.3	607.5	1097.9	1721.8	2245.1
85°	28.7	28.7	39.0	57.5	65.7	73.9	96.5	153.9	262.7	484.4	1009.6
87.5°	0.0	2.1	4.1	4.1	8.2	10.3	16.4	22.6	20.5	18.4	61.6
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0
2.5°	2052.2	2050.2	2046.0	2046.0	2046.0	2046.0	2042.0	2044.0	2039.9	2042.0	2042.0
5°	2050.2	2050.2	2048.1	2044.0	2046.0	2046.0	2048.1	2044.0	2044.0	2046.0	2044.0
7.5°	2050.2	2048.1	2048.1	2048.1	2050.2	2048.1	2050.2	2050.2	2050.2	2052.2	2052.2
10°	2050.2	2050.2	2054.3	2056.3	2056.3	2058.3	2064.6	2064.6	2066.5	2068.6	2072.7
12.5°	2052.2	2060.4	2066.5	2072.7	2074.8	2078.9	2089.1	2089.1	2093.3	2099.4	2101.5
15°	2054.3	2066.5	2078.9	2083.0	2087.2	2095.3	2105.6	2109.6	2115.9	2122.0	2126.1
17.5°	2052.2	2068.6	2083.0	2089.1	2095.3	2105.6	2117.9	2122.0	2130.2	2138.4	2146.6
20°	2050.2	2072.7	2095.3	2103.5	2111.7	2126.1	2142.5	2152.7	2160.9	2173.3	2181.5
22.5°	2062.5	2089.1	2119.9	2132.2	2146.6	2165.1	2187.7	2200.0	2210.3	2222.6	2228.7
25°	2101.5	2122.0	2159.0	2179.5	2197.9	2228.7	2259.5	2273.9	2286.1	2296.4	2298.4
27.5°	2167.2	2173.3	2218.4	2245.1	2271.8	2321.0	2358.0	2368.3	2390.8	2399.1	2397.0
30°	2273.9	2263.6	2300.5	2341.6	2380.5	2448.3	2493.5	2520.1	2540.6	2540.6	2524.2
32.5°	2427.8	2411.4	2421.7	2468.8	2514.0	2612.4	2665.8	2700.7	2715.0	2711.0	2676.1
35°	2628.9	2618.7	2612.4	2649.4	2721.2	2836.2	2905.9	2924.4	2946.9	2942.9	2897.7
37.5°	2866.9	2858.8	2858.8	2901.9	2971.6	3142.0	3217.8	3230.2	3228.1	3195.3	3111.2
40°	3148.1	3143.9	3125.5	3150.2	3209.6	3431.3	3533.9	3550.4	3527.8	3474.4	3375.9
42.5°	3552.3	3527.8	3470.3	3484.7	3529.8	3745.3	3878.7	3923.8	3901.2	3847.9	3687.8
45°	4079.8	4053.2	3956.7	3944.4	3969.0	4157.8	4330.2	4340.4	4336.4	4268.6	4079.8
47.5°	4699.6	4658.5	4556.0	4523.1	4514.8	4689.3	4855.5	4871.9	4861.7	4761.1	4508.7
50°	5370.7	5311.1	5243.4	5220.8	5188.0	5313.2	5481.5	5483.5	5442.5	5302.9	5066.9
52.5°	6086.8	6066.3	6054.0	6031.4	6017.1	6125.8	6228.5	6166.9	6105.3	5959.6	5754.4
55°	6809.2	6893.4	6979.6	6987.8	7012.4	7129.4	7127.4	6959.1	6913.9	6833.9	6630.7
57.5°	7576.8	7888.7	8159.6	8243.7	8325.8	8543.3	8522.8	8356.6	8299.2	8200.6	8032.3
60°	8621.3	9462.7	10244.7	10431.4	10560.7	10821.3	10796.7	10540.1	10659.2	10651.0	10433.5
62.5°	10084.6	11484.1	12656.0	12943.3	13033.6	13062.3	12906.3	12629.3	12746.3	12877.6	12208.6
65°	11075.8	12721.7	13924.2	14145.9	14158.2	13815.4	13468.7	13142.4	13113.7	13000.7	12044.5
66°	11098.3	12783.2	13989.9	14205.4	14129.4	13661.6	13222.4	12894.0	12752.4	12504.1	11513.0
67.5°	10700.2	12399.5	13698.5	13926.3	13760.1	13097.2	12491.8	12069.0	11792.0	11389.7	10515.5
70°	8986.6	10671.5	12272.2	12697.0	12750.4	11761.2	10921.9	10425.2	10051.7	9499.7	8746.5
72.5°	6682.0	8204.8	9616.7	10023.0	10230.3	9440.2	8732.1	8354.5	7843.5	7262.8	6727.2
75°	4188.6	5263.9	6209.9	6495.2	6300.3	5688.7	5263.9	5105.9	4603.1	4256.3	4012.0
77.5°	2394.9	2731.5	2807.5	2698.7	2468.8	1890.1	1344.2	995.3	863.9	956.4	1054.8
80°	2337.5	2142.5	1707.5	1502.2	1360.6	935.9	549.9	377.6	314.0	322.2	348.9
82.5°	2532.4	2717.1	2236.9	1824.5	1531.0	1034.3	570.5	303.7	205.2	242.2	273.0
85°	1645.9	2290.3	2062.5	1738.2	1407.8	884.5	469.9	158.0	104.7	137.5	188.8
87.5°	166.2	182.7	156.0	211.4	158.0	73.9	36.9	22.6	20.5	24.7	36.9
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0	2046.0
2.5°	2044.0	2044.0	2046.0	2048.1	2050.2	2052.2	2052.2	2052.2	2052.2	2056.3	2054.3
5°	2048.1	2052.2	2056.3	2058.3	2062.5	2062.5	2068.6	2066.5	2066.5	2072.7	2074.8
7.5°	2056.3	2062.5	2070.7	2068.6	2076.8	2074.8	2078.9	2078.9	2072.7	2074.8	2070.7
10°	2074.8	2083.0	2087.2	2080.9	2083.0	2074.8	2072.7	2062.5	2050.2	2044.0	2035.8
12.5°	2105.6	2113.8	2113.8	2103.5	2091.2	2072.7	2058.3	2035.8	2017.3	2007.0	1996.8
15°	2132.2	2140.4	2138.4	2122.0	2103.5	2074.8	2054.3	2027.6	2000.9	1984.5	1974.2
17.5°	2152.7	2156.9	2150.7	2128.2	2107.7	2080.9	2060.4	2031.7	2000.9	1980.4	1961.9
20°	2183.5	2179.5	2165.1	2136.4	2113.8	2089.1	2072.7	2048.1	2013.3	1986.5	1959.9
22.5°	2228.7	2212.3	2185.6	2154.8	2132.2	2109.6	2093.3	2066.5	2031.7	1998.9	1968.1
25°	2288.2	2255.3	2218.4	2185.6	2165.1	2140.4	2122.0	2093.3	2056.3	2019.4	1982.5
27.5°	2374.4	2317.0	2269.7	2241.0	2218.4	2187.7	2165.1	2128.2	2089.1	2046.0	2005.0
30°	2470.9	2392.8	2347.8	2325.2	2300.5	2267.7	2232.8	2185.6	2140.4	2093.3	2044.0
32.5°	2596.1	2501.7	2458.5	2436.0	2403.1	2362.1	2321.0	2267.7	2204.0	2142.5	2083.0
35°	2760.2	2663.7	2618.7	2583.7	2538.5	2485.2	2425.7	2353.9	2267.7	2185.6	2109.6
37.5°	2936.7	2832.0	2788.9	2752.0	2684.2	2614.5	2530.4	2425.7	2308.7	2200.0	2105.6
40°	3160.4	3063.9	3008.5	2945.0	2864.9	2743.8	2612.4	2460.6	2310.8	2177.4	2066.5
42.5°	3443.6	3347.2	3265.1	3164.6	3025.0	2838.2	2651.5	2454.4	2273.9	2122.0	2003.0
45°	3819.2	3702.2	3560.6	3384.1	3158.3	2897.7	2653.5	2415.4	2204.0	2035.8	1908.6
47.5°	4278.9	4100.3	3868.4	3570.9	3246.6	2914.1	2620.6	2337.5	2095.3	1912.6	1771.1
50°	4824.8	4543.6	4161.9	3724.8	3291.7	2889.5	2538.5	2220.5	1941.3	1746.4	1578.1
52.5°	5448.6	4988.9	4426.6	3835.5	3289.7	2807.5	2399.1	2044.0	1740.3	1522.7	1362.7
55°	6181.2	5497.8	4699.6	3917.7	3232.2	2655.5	2185.6	1795.6	1491.9	1290.9	1143.1
57.5°	7254.6	6322.9	5175.6	4044.9	3117.3	2421.7	1896.3	1498.1	1231.3	1040.5	915.3
60°	9216.5	7699.9	6033.5	4301.5	2940.8	2078.9	1557.6	1180.0	956.4	802.4	718.2
62.5°	10694.1	8765.0	6497.3	4243.9	2585.8	1656.2	1155.4	859.9	703.9	599.3	545.9
65°	10482.7	8434.6	6002.7	3655.0	2027.6	1167.7	767.6	584.9	484.4	435.0	404.2
66°	10004.6	8003.6	5573.8	3289.7	1752.5	970.7	632.1	490.5	416.6	381.8	361.1
67.5°	9097.4	7203.2	4806.3	2696.6	1346.2	703.9	476.1	387.9	338.7	324.2	309.8
70°	7562.4	5744.1	3373.9	1569.9	687.5	392.0	301.7	270.9	258.5	256.5	252.4
72.5°	5795.4	4065.4	1986.5	742.9	357.1	260.6	234.0	223.7	219.6	219.6	221.7
75°	3552.3	2284.1	878.3	363.2	250.4	219.6	207.3	203.2	201.1	203.2	201.1
77.5°	1186.2	726.5	375.5	275.0	227.8	203.2	194.9	190.9	190.9	190.9	190.9
80°	363.2	316.1	287.4	254.5	215.4	193.0	180.6	178.5	180.6	182.7	176.5
82.5°	273.0	258.5	242.2	225.7	194.9	172.4	168.3	168.3	168.3	162.2	153.9
85°	201.1	199.1	164.1	153.9	143.6	143.6	143.6	143.6	137.5	127.3	119.1
87.5°	36.9	34.9	36.9	39.0	57.5	61.6	61.6	65.7	71.8	67.8	67.8
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):**

	160°	165°	170°	175°	180°
0°	2046.0	2046.0	2046.0	2046.0	2046.0
2.5°	2054.3	2052.2	2058.3	2054.3	2056.3
5°	2072.7	2070.7	2074.8	2070.7	2076.8
7.5°	2066.5	2062.5	2060.4	2062.5	2064.6
10°	2023.5	2019.4	2017.3	2015.2	2017.3
12.5°	1986.5	1978.3	1978.3	1974.2	1976.3
15°	1959.9	1953.7	1951.6	1947.6	1949.6
17.5°	1947.6	1937.3	1933.2	1929.1	1929.1
20°	1939.4	1927.0	1920.8	1916.8	1914.7
22.5°	1939.4	1920.8	1912.6	1908.6	1906.5
25°	1947.6	1925.0	1912.6	1906.5	1904.5
27.5°	1963.9	1935.2	1920.8	1912.6	1912.6
30°	1992.7	1955.8	1935.2	1925.0	1922.9
32.5°	2021.5	1972.1	1943.4	1931.1	1927.0
35°	2035.8	1972.1	1937.3	1916.8	1912.6
37.5°	2019.4	1945.5	1902.4	1871.6	1865.5
40°	1968.1	1890.1	1842.9	1814.2	1810.1
42.5°	1900.3	1824.5	1769.0	1748.5	1742.3
45°	1808.0	1717.7	1662.3	1633.6	1635.6
47.5°	1649.9	1557.6	1508.4	1481.7	1485.8
50°	1463.2	1373.0	1329.8	1301.1	1307.3
52.5°	1258.0	1176.0	1134.9	1120.5	1116.4
55°	1042.5	978.9	950.2	933.8	927.6
57.5°	845.5	800.3	779.8	759.3	761.3
60°	666.9	644.4	638.2	615.6	613.6
62.5°	525.4	511.0	504.9	488.4	490.5
65°	398.1	394.0	398.1	387.9	392.0
66°	359.2	361.1	361.1	355.0	359.2
67.5°	309.8	314.0	320.1	314.0	318.1
70°	256.5	260.6	264.8	264.8	264.8
72.5°	223.7	227.8	229.8	229.8	229.8
75°	205.2	207.3	209.3	205.2	205.2
77.5°	193.0	193.0	188.8	186.7	184.7
80°	174.4	172.4	166.2	162.2	162.2
82.5°	145.7	141.6	137.5	131.3	131.3
85°	110.8	106.7	102.6	94.4	90.3
87.5°	57.5	59.5	57.5	47.2	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)