

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: P156498

Luminaire Tested: **VXS-E06-LED-E1-T4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P156498  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)  
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-T4-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15303.5 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B2 - 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

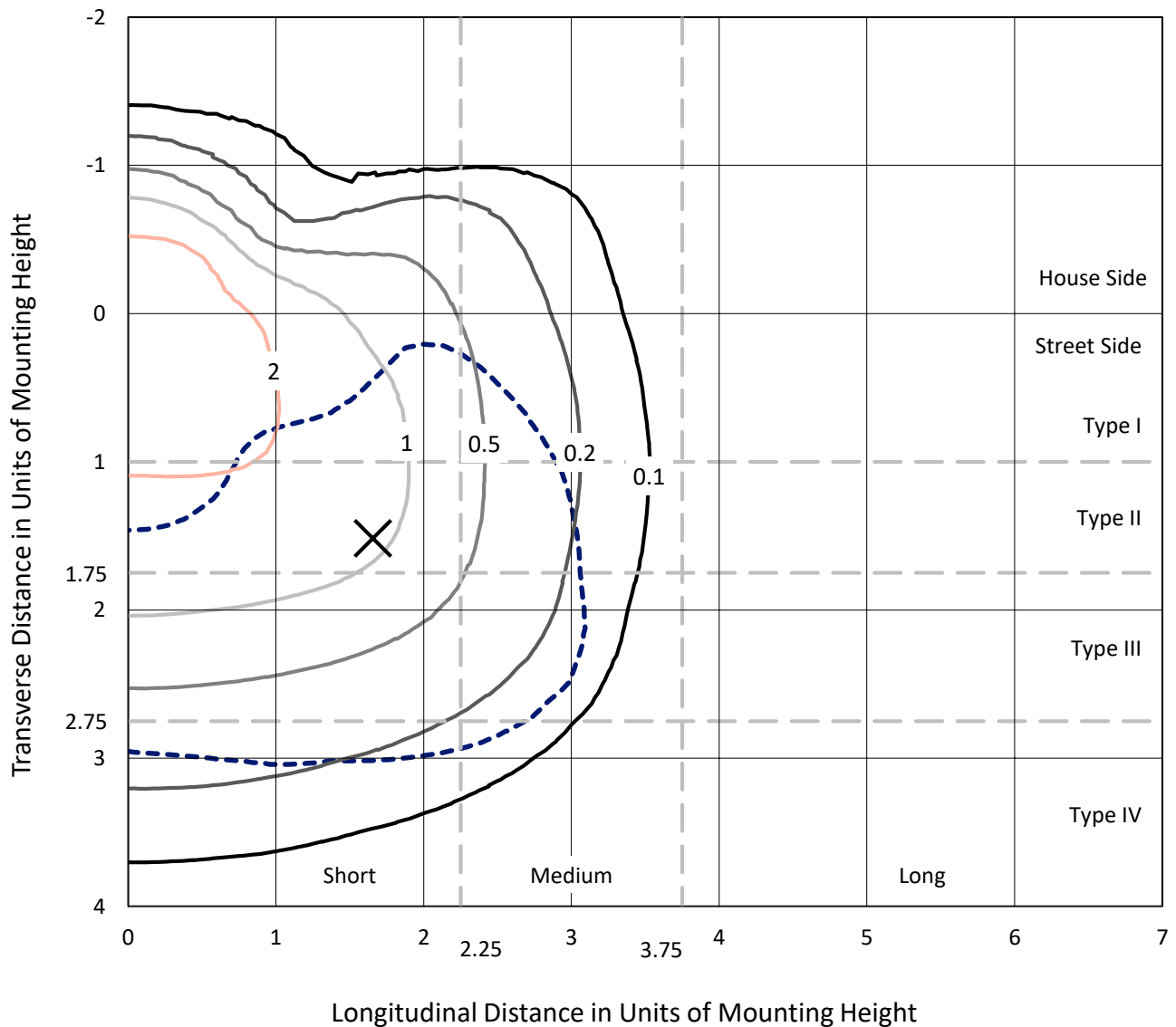


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

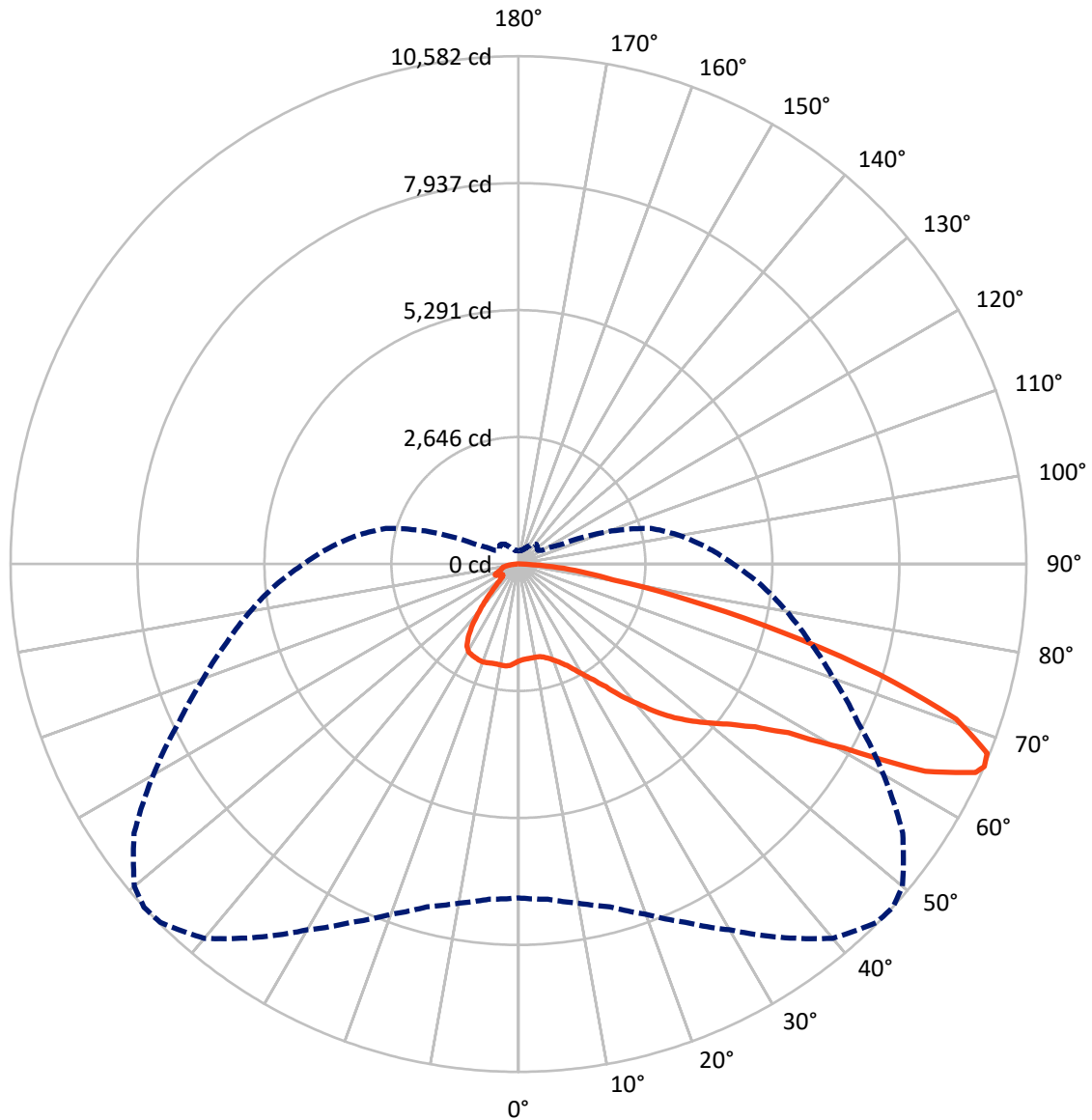


Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3265.4	0.0	3265.4
	% Fixture	21.3	0.0	21.3
<b>Street Side</b>	Lumens	12038.1	0.0	12038.1
	% Fixture	78.7	0.0	78.7
<b>Total</b>	Lumens	15303.5	0.0	15303.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.9	1.3
10°-20°	594.7	3.9
20°-30°	1024.3	6.7
30°-40°	1549.8	10.1
40°-50°	2008.7	13.1
50°-60°	2769.4	18.1
60°-70°	4302.7	28.1
70°-80°	2502.1	16.3
80°-90°	355.8	2.3
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°	15303.5	100.0
0°-180°	15303.5	100.0



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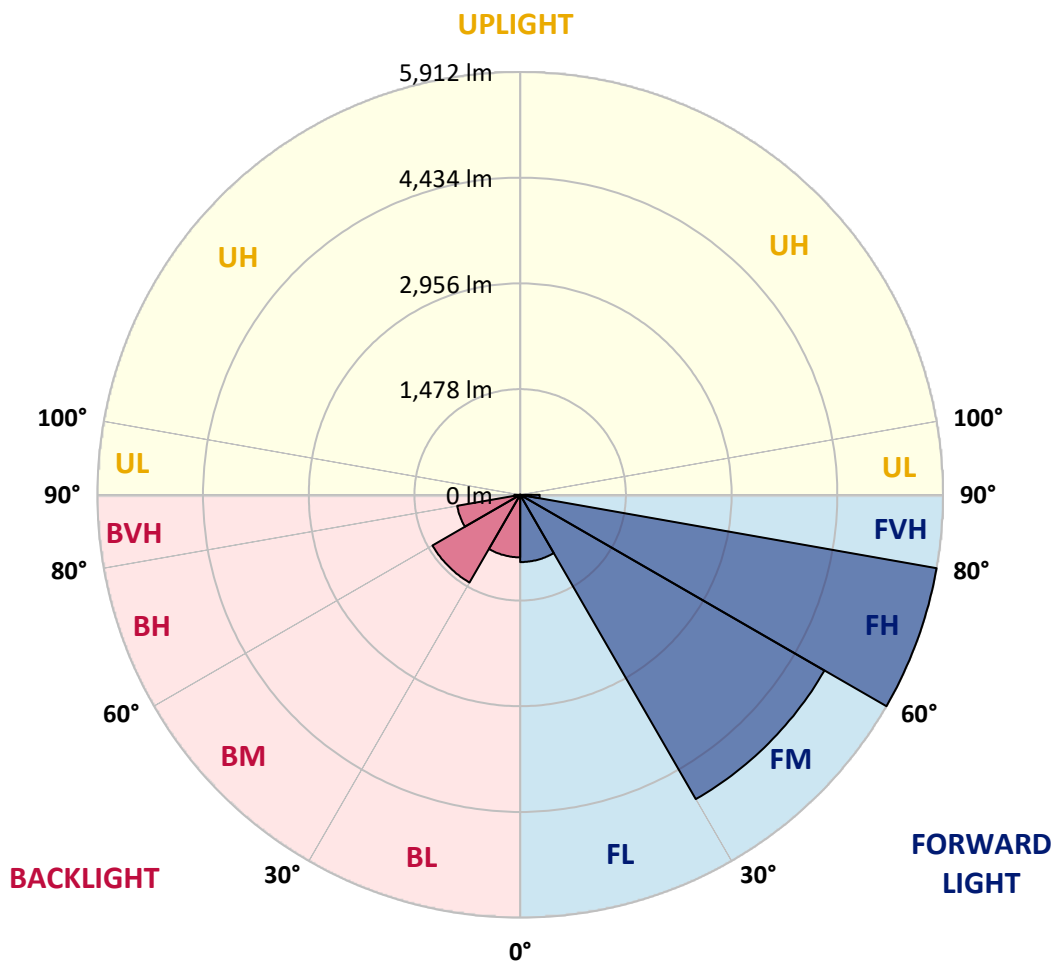
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	940.9	6.1			
FM	(30°-60°)	4912.4	32.1			
FH	(60°-80°)	5911.7	38.6			G3/7500
FVH	(80°-90°)	273.1	1.8			G3/500
BL	(0°-30°)	874.1	5.7	B2/1000		
BM	(30°-60°)	1415.5	9.2	B2/2500		
BH	(60°-80°)	893.1	5.8	B2/1000		G2/1000
BVH	(80°-90°)	82.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1
2.5°	1980.0	1986.7	1981.7	1983.4	1983.4	1985.1	1985.1	1986.7	1985.1	1990.2	1993.5
5°	1944.6	1948.0	1946.2	1949.6	1953.0	1959.8	1958.0	1966.5	1968.2	1973.3	1981.7
7.5°	1931.1	1927.7	1929.3	1934.4	1937.8	1941.1	1944.6	1951.3	1956.4	1968.2	1974.9
10°	1944.6	1942.9	1944.6	1948.0	1948.0	1949.6	1946.2	1953.0	1956.4	1966.5	1973.3
12.5°	2000.2	2000.2	1996.9	1996.9	1993.5	1990.2	1981.7	1976.6	1974.9	1976.6	1980.0
15°	2089.7	2086.3	2079.6	2074.5	2067.8	2056.0	2044.1	2034.0	2027.3	2017.1	2013.8
17.5°	2177.5	2172.4	2165.7	2159.0	2150.5	2138.7	2120.1	2108.3	2089.7	2077.9	2071.2
20°	2278.8	2268.6	2260.2	2251.8	2234.9	2231.5	2213.0	2192.6	2170.8	2143.7	2140.3
22.5°	2410.5	2393.6	2383.4	2378.3	2361.5	2356.4	2326.0	2297.3	2270.4	2234.9	2226.4
25°	2543.8	2526.9	2521.9	2515.1	2503.3	2496.5	2467.9	2435.8	2400.3	2351.4	2341.2
27.5°	2673.8	2675.4	2662.0	2667.0	2663.6	2651.8	2623.1	2591.1	2564.0	2506.6	2494.8
30°	2835.9	2825.7	2819.0	2829.0	2817.2	2819.0	2793.6	2776.7	2732.8	2699.1	2675.4
32.5°	3004.6	3002.9	3013.1	3019.8	3018.1	3014.7	2994.5	2977.6	2938.8	2889.8	2879.7
35°	3235.9	3246.0	3254.4	3284.8	3284.8	3306.7	3286.5	3266.2	3220.6	3161.6	3141.3
37.5°	3392.8	3396.3	3429.9	3470.5	3521.1	3568.4	3581.9	3586.9	3568.4	3524.5	3494.1
40°	3536.4	3543.1	3597.1	3659.6	3733.8	3826.6	3882.4	3907.7	3912.7	3892.4	3826.6
42.5°	3679.8	3689.9	3745.6	3836.8	3939.8	4057.9	4155.9	4218.2	4253.7	4253.7	4214.9
45°	3846.9	3860.4	3921.1	4020.7	4140.6	4289.1	4424.2	4544.0	4601.5	4604.8	4567.7
47.5°	4044.5	4056.3	4127.2	4228.4	4351.6	4501.9	4672.3	4809.0	4915.4	4922.2	4891.8
50°	4299.3	4316.2	4375.2	4466.4	4593.0	4744.9	4915.4	5106.1	5217.5	5244.6	5212.5
52.5°	4636.9	4640.3	4689.2	4773.6	4896.8	5042.0	5222.6	5430.3	5577.1	5599.1	5546.7
55°	5102.8	5097.7	5129.7	5220.9	5313.8	5426.8	5614.2	5847.2	6010.9	6044.7	5990.7
57.5°	5735.8	5730.7	5757.7	5779.7	5953.5	6063.2	6247.3	6470.1	6628.7	6726.6	6633.8
60°	6716.5	6711.4	6755.3	6883.6	7013.6	7173.9	7352.8	7619.6	7842.4	7871.1	7779.9
62.5°	7427.2	7452.4	7548.7	7698.9	7962.2	8276.2	8603.6	8954.7	9412.2	9557.3	9513.5
65°	7179.0	7229.6	7363.0	7590.9	7942.0	8375.8	8888.9	9525.3	10138.0	10480.7	10470.6
66°	6956.2	7011.9	7175.6	7395.0	7766.4	8240.7	8801.1	9494.9	10180.2	10558.3	10582.0
67.5°	6551.1	6613.5	6773.9	7033.8	7395.0	7899.8	8502.4	9256.9	10031.7	10472.2	10534.7
70°	5762.8	5833.7	5950.2	6164.6	6520.7	6971.4	7606.0	8281.2	9093.2	9597.8	9673.8
72.5°	4817.5	4880.0	5009.9	5185.5	5477.5	5761.0	6259.1	6757.0	7337.6	7913.3	7857.5
75°	3458.7	3485.7	3563.3	3754.1	3911.1	4165.9	4566.0	4974.5	5371.2	5634.5	5671.6
77.5°	1797.7	1868.6	1978.3	2189.3	2359.8	2589.3	2849.3	3156.5	3446.8	3688.3	3622.4
80°	1176.5	1206.9	1304.8	1412.8	1537.7	1684.6	1858.4	1973.3	2010.4	1995.2	2010.4
82.5°	678.5	734.3	864.2	946.9	1039.8	1090.5	1228.8	1360.5	1434.8	1342.0	1308.2
85°	86.1	111.4	351.1	442.3	506.4	582.4	624.6	703.9	656.6	587.5	715.8
87.5°	18.5	16.9	23.6	50.7	52.3	43.9	82.7	87.8	54.0	27.0	33.8
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1
2.5°	1996.9	1998.5	2002.0	2007.0	2010.4	2013.8	2017.1	2022.2	2025.6	2028.9	2035.8
5°	1988.4	1995.2	2002.0	2008.7	2017.1	2030.7	2039.1	2045.8	2052.5	2066.1	2071.2
7.5°	1983.4	1995.2	2005.3	2017.1	2030.7	2042.5	2057.6	2066.1	2076.3	2084.7	2094.8
10°	1980.0	1996.9	2007.0	2023.9	2039.1	2050.9	2067.8	2077.9	2089.7	2099.9	2104.9
12.5°	1986.7	1995.2	2005.3	2022.2	2040.7	2057.6	2076.3	2084.7	2094.8	2103.2	2104.9
15°	2015.4	2015.4	2017.1	2030.7	2049.2	2062.7	2077.9	2086.3	2091.4	2096.5	2096.5
17.5°	2067.8	2056.0	2047.6	2049.2	2061.0	2069.4	2077.9	2077.9	2074.5	2072.8	2069.4
20°	2128.5	2113.4	2096.5	2084.7	2081.2	2074.5	2069.4	2052.5	2039.1	2027.3	2018.9
22.5°	2216.3	2192.6	2169.0	2147.2	2126.8	2101.6	2072.8	2039.1	2007.0	1985.1	1971.6
25°	2324.4	2305.8	2277.1	2243.3	2218.0	2170.8	2133.6	2084.7	2044.1	2015.4	1991.8
27.5°	2477.9	2456.1	2429.0	2398.7	2361.5	2309.1	2263.6	2206.2	2157.2	2115.0	2084.7
30°	2668.7	2640.0	2619.8	2582.6	2557.3	2498.2	2452.6	2381.8	2287.3	2219.7	2177.5
32.5°	2864.5	2832.4	2815.5	2786.8	2758.1	2722.7	2653.5	2543.8	2422.3	2312.5	2240.0
35°	3126.1	3092.3	3062.0	3036.7	2994.5	2928.6	2867.9	2736.3	2569.1	2415.5	2294.0
37.5°	3455.3	3399.6	3323.6	3259.5	3185.2	3090.7	2997.8	2862.8	2672.1	2472.8	2310.9
40°	3806.4	3708.5	3600.4	3480.6	3352.3	3215.6	3109.2	2972.5	2758.1	2521.9	2299.1
42.5°	4172.6	4017.4	3867.2	3698.3	3519.5	3357.4	3219.0	3068.7	2822.3	2535.3	2251.8
45°	4535.6	4361.8	4133.9	3912.7	3686.5	3485.7	3330.4	3161.6	2881.3	2540.4	2189.3
47.5°	4836.1	4657.1	4397.2	4120.4	3852.0	3624.1	3441.8	3259.5	2960.7	2575.9	2174.1
50°	5153.4	4935.6	4647.0	4319.6	4015.8	3760.8	3566.7	3377.6	3072.1	2667.0	2223.1
52.5°	5499.5	5249.6	4912.0	4545.7	4213.2	3928.0	3716.9	3522.8	3213.9	2795.3	2316.0
55°	5921.5	5616.0	5249.6	4836.1	4479.9	4164.2	3931.3	3701.8	3382.7	2947.3	2432.3
57.5°	6566.2	6191.5	5779.7	5308.7	4913.7	4540.6	4262.2	3997.1	3644.4	3173.4	2591.1
60°	7732.6	7332.6	6797.5	6226.9	5762.8	5327.3	4918.8	4589.6	4155.9	3619.1	2942.2
62.5°	9403.7	8872.0	8158.0	7359.6	6751.9	6124.0	5663.2	5173.7	4635.2	4056.3	3355.8
65°	10332.1	9687.4	8731.9	7805.2	7023.7	6341.8	5756.1	5188.8	4591.3	4037.6	3451.9
66°	10446.9	9775.1	8782.6	7806.9	6986.5	6286.0	5669.9	5082.5	4471.5	3943.1	3411.4
67.5°	10399.7	9712.6	8689.7	7660.1	6826.2	6073.4	5437.0	4827.7	4218.2	3725.4	3276.4
70°	9624.9	8973.3	7968.9	6971.4	6179.7	5437.0	4829.3	4230.1	3671.4	3249.3	2918.5
72.5°	7992.6	7435.5	6562.9	5779.7	5158.4	4545.7	4030.9	3458.7	2986.0	2673.8	2477.9
75°	5769.5	5431.9	4636.9	4187.9	3642.7	3235.9	2736.3	2396.9	2057.6	1905.7	1872.0
77.5°	3644.4	3190.3	2685.6	2211.3	1817.9	1507.4	1173.2	996.0	830.5	813.6	982.4
80°	1845.0	1660.9	1279.5	1019.6	857.5	693.8	548.6	415.2	290.4	349.4	418.7
82.5°	1208.6	1007.8	789.9	649.8	565.5	469.2	364.6	253.2	185.7	209.3	286.9
85°	653.3	557.0	449.0	354.5	286.9	256.6	172.1	121.6	119.9	128.3	163.7
87.5°	47.3	47.3	37.1	33.8	40.5	33.8	30.4	30.4	28.7	30.4	40.5
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1
2.5°	2039.1	2044.1	2045.8	2054.3	2059.4	2062.7	2066.1	2066.1	2067.8	2072.8	2074.5
5°	2077.9	2086.3	2096.5	2103.2	2106.6	2116.7	2120.1	2120.1	2123.5	2130.3	2135.3
7.5°	2101.6	2113.4	2123.5	2126.8	2133.6	2137.0	2142.1	2145.4	2145.4	2152.2	2155.5
10°	2109.9	2116.7	2126.8	2126.8	2133.6	2133.6	2138.7	2140.3	2140.3	2147.2	2152.2
12.5°	2109.9	2113.4	2121.8	2121.8	2126.8	2128.5	2135.3	2140.3	2142.1	2150.5	2157.2
15°	2099.9	2103.2	2109.9	2111.7	2123.5	2130.3	2145.4	2155.5	2155.5	2164.0	2167.4
17.5°	2071.2	2079.6	2093.1	2106.6	2128.5	2143.7	2162.3	2170.8	2164.0	2159.0	2153.9
20°	2023.9	2039.1	2071.2	2104.9	2143.7	2164.0	2174.1	2165.7	2142.1	2118.4	2103.2
22.5°	1976.6	2007.0	2061.0	2111.7	2155.5	2169.0	2164.0	2133.6	2094.8	2066.1	2045.8
25°	1998.5	2034.0	2086.3	2131.9	2160.6	2157.2	2137.0	2094.8	2052.5	2015.4	1981.7
27.5°	2089.7	2128.5	2157.2	2172.4	2169.0	2145.4	2113.4	2066.1	2015.4	1966.5	1919.3
30°	2175.9	2196.1	2202.8	2191.0	2164.0	2125.2	2084.7	2030.7	1963.1	1902.4	1848.3
32.5°	2214.6	2194.4	2162.3	2130.3	2086.3	2052.5	1996.9	1937.8	1853.4	1780.8	1726.8
35°	2214.6	2133.6	2052.5	1985.1	1919.3	1877.0	1812.8	1733.6	1656.0	1595.1	1553.0
37.5°	2165.7	2010.4	1877.0	1767.4	1684.6	1639.1	1542.8	1471.9	1406.1	1385.8	1358.9
40°	2076.3	1846.6	1654.2	1510.8	1406.1	1338.5	1242.4	1193.4	1168.1	1157.9	1152.8
42.5°	1956.4	1664.4	1407.8	1230.6	1117.4	1041.5	977.3	946.9	945.3	943.6	943.6
45°	1828.1	1468.5	1168.1	957.1	857.5	789.9	759.6	747.8	757.9	756.2	757.9
47.5°	1748.7	1320.0	948.6	724.1	648.2	604.2	589.1	594.2	602.6	599.3	599.3
50°	1738.7	1244.0	801.8	563.8	506.4	484.5	481.0	481.0	486.1	482.8	481.0
52.5°	1775.8	1232.2	725.8	484.5	438.9	420.3	416.9	415.2	413.6	403.4	395.0
55°	1839.9	1259.3	703.9	464.1	416.9	396.7	391.6	388.2	381.5	368.0	352.7
57.5°	1968.2	1343.6	724.1	474.3	423.7	406.8	401.8	401.8	388.2	366.3	344.4
60°	2277.1	1558.0	806.8	513.2	455.8	438.9	442.3	440.5	420.3	388.2	354.5
62.5°	2675.4	1838.2	914.9	567.2	496.3	492.8	509.7	506.4	472.6	423.7	374.7
65°	2859.5	1969.8	945.3	579.0	504.7	519.9	553.7	550.3	508.1	440.5	378.1
66°	2862.8	1969.8	931.8	568.8	492.8	511.5	545.2	543.5	501.3	433.8	371.4
67.5°	2793.6	1915.9	893.0	548.6	469.2	482.8	513.2	511.5	472.6	416.9	357.8
70°	2533.7	1715.0	793.4	513.2	437.2	430.5	440.5	433.8	408.5	369.6	329.1
72.5°	2170.8	1439.9	692.1	486.1	415.2	388.2	381.5	376.4	356.2	334.2	308.9
75°	1709.9	1139.4	607.7	465.9	395.0	359.6	347.8	340.9	327.5	312.2	292.0
77.5°	1055.0	815.3	530.1	438.9	379.8	344.4	336.0	325.8	305.5	286.9	271.8
80°	471.0	504.7	435.5	383.2	339.3	307.3	293.7	278.5	258.2	246.4	238.0
82.5°	314.0	325.8	315.6	286.9	256.6	231.3	211.0	211.0	207.7	197.5	194.1
85°	200.8	202.6	195.9	177.2	165.4	150.3	141.8	143.5	150.3	148.5	146.8
87.5°	45.6	45.6	54.0	50.7	59.1	62.5	67.6	72.5	82.7	82.7	87.8
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°	2017.1	2017.1	2017.1	2017.1	2017.1
2.5°	2076.3	2079.6	2083.0	2077.9	2079.6
5°	2135.3	2133.6	2142.1	2137.0	2140.3
7.5°	2153.9	2155.5	2162.3	2162.3	2164.0
10°	2155.5	2159.0	2167.4	2172.4	2175.9
12.5°	2164.0	2170.8	2184.2	2187.7	2187.7
15°	2170.8	2174.1	2182.6	2185.9	2189.3
17.5°	2147.2	2140.3	2143.7	2145.4	2143.7
20°	2088.1	2081.2	2079.6	2072.8	2076.3
22.5°	2023.9	2005.3	1993.5	1980.0	1980.0
25°	1946.2	1917.5	1893.9	1870.3	1875.3
27.5°	1873.7	1836.5	1812.8	1797.7	1794.3
30°	1802.8	1763.9	1742.0	1723.4	1723.4
32.5°	1684.6	1657.6	1628.9	1617.1	1615.4
35°	1520.8	1504.0	1480.3	1475.3	1466.8
37.5°	1336.9	1331.8	1311.6	1309.8	1301.5
40°	1144.5	1147.9	1141.0	1137.7	1132.6
42.5°	952.0	968.9	965.5	963.8	960.4
45°	768.1	779.9	781.6	786.6	795.0
47.5°	604.2	607.7	611.1	609.3	611.1
50°	472.6	464.1	462.5	457.4	462.5
52.5°	381.5	368.0	361.2	354.5	351.1
55°	336.0	322.4	315.6	312.2	308.9
57.5°	324.0	310.6	300.4	293.7	292.0
60°	327.5	307.3	293.7	285.3	283.6
62.5°	336.0	308.9	290.4	281.9	280.2
65°	334.2	305.5	288.6	278.5	276.8
66°	329.1	302.2	285.3	276.8	275.1
67.5°	320.7	297.1	281.9	275.1	271.8
70°	305.5	290.4	278.5	270.1	266.7
72.5°	292.0	280.2	270.1	261.7	260.0
75°	276.8	266.7	256.6	249.8	248.1
77.5°	258.2	248.1	241.3	236.3	234.6
80°	227.9	221.1	214.4	207.7	207.7
82.5°	189.0	184.0	177.2	172.1	170.5
85°	145.2	145.2	140.1	135.0	133.4
87.5°	86.1	84.4	84.4	79.4	79.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)