

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: P156505

Luminaire Tested: **VXS-F06-LED-E1-T4**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P156505
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-F06-LED-E1-T4
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14968.6 lumens
Efficiency: N/A
Efficacy: 95.6 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): 156.5
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



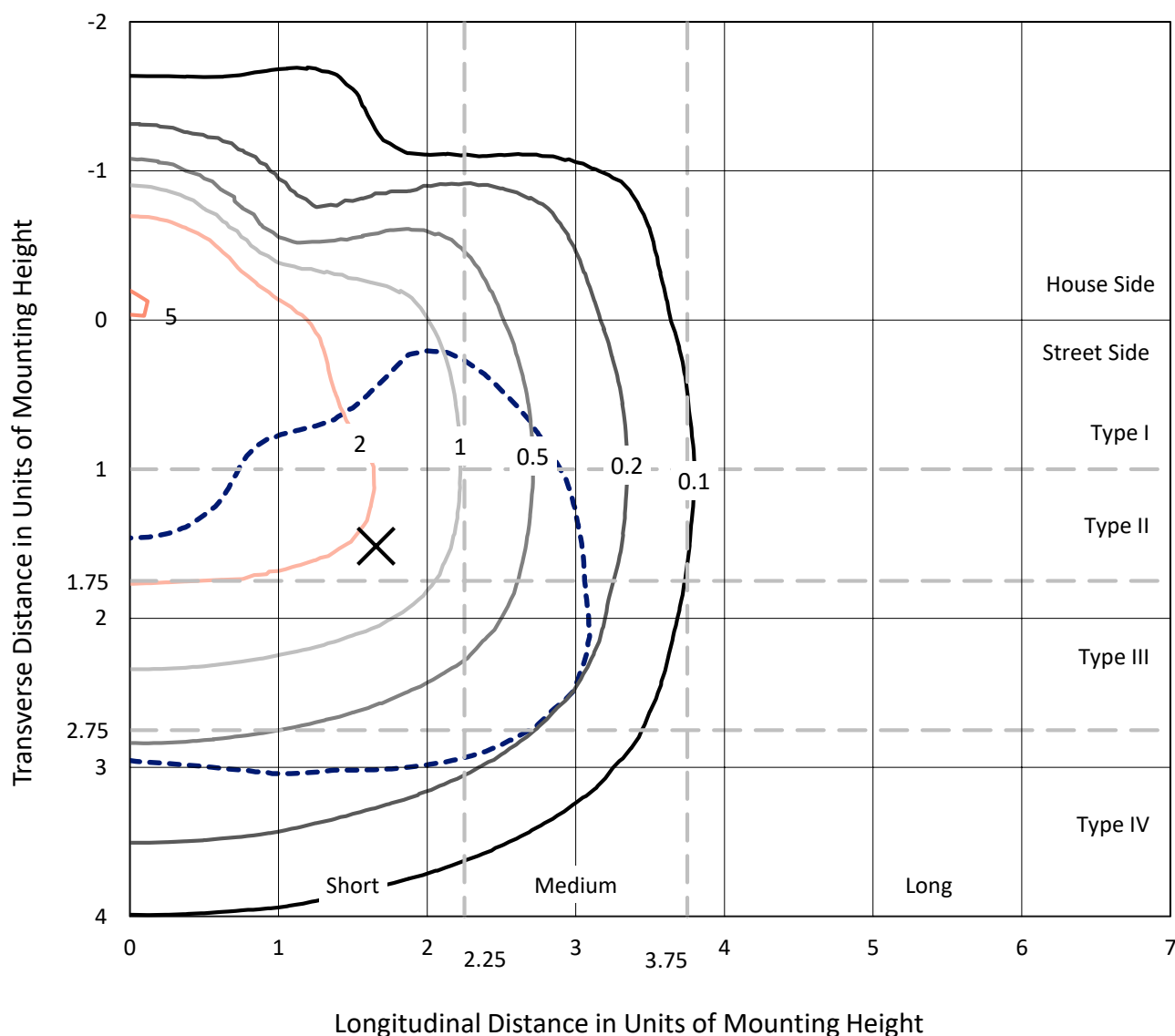
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

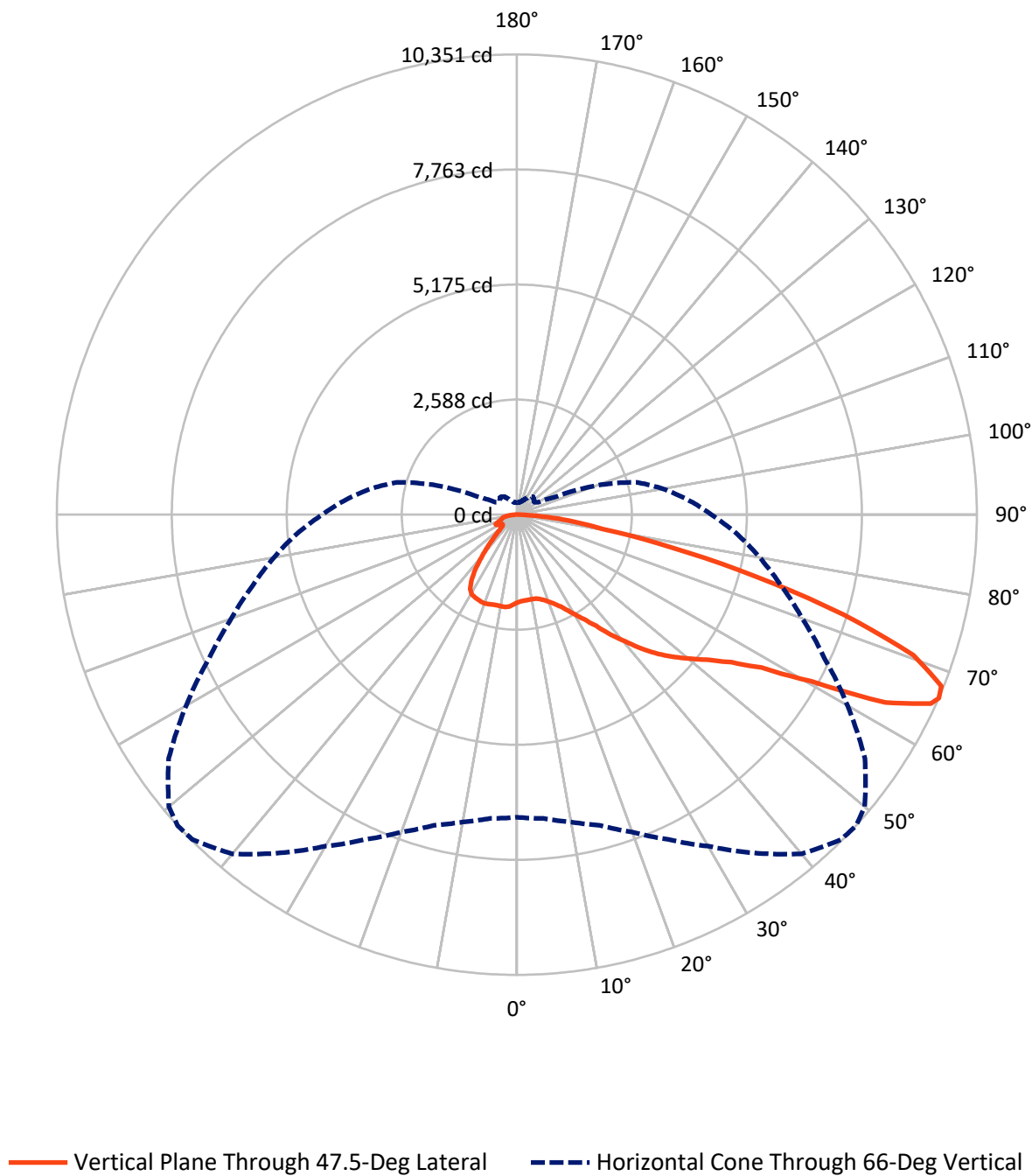


Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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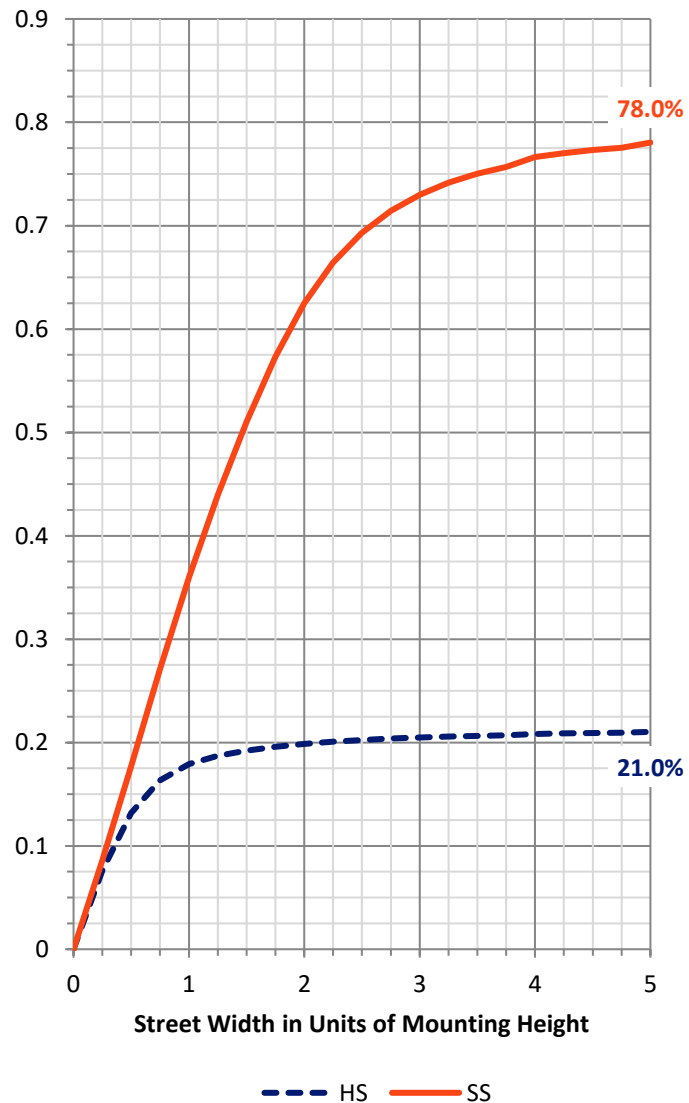
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3193.9	0.0	3193.9
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	11774.7	0.0	11774.7
	% Fixture	78.7	0.0	78.7
Total	Lumens	14968.6	0.0	14968.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	1.3
10°-20°	581.7	3.9
20°-30°	1001.9	6.7
30°-40°	1515.9	10.1
40°-50°	1964.8	13.1
50°-60°	2708.8	18.1
60°-70°	4208.6	28.1
70°-80°	2447.3	16.3
80°-90°	348.0	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°	14968.6	100.0
0°-180°	14968.6	100.0

Coefficient of Utilization



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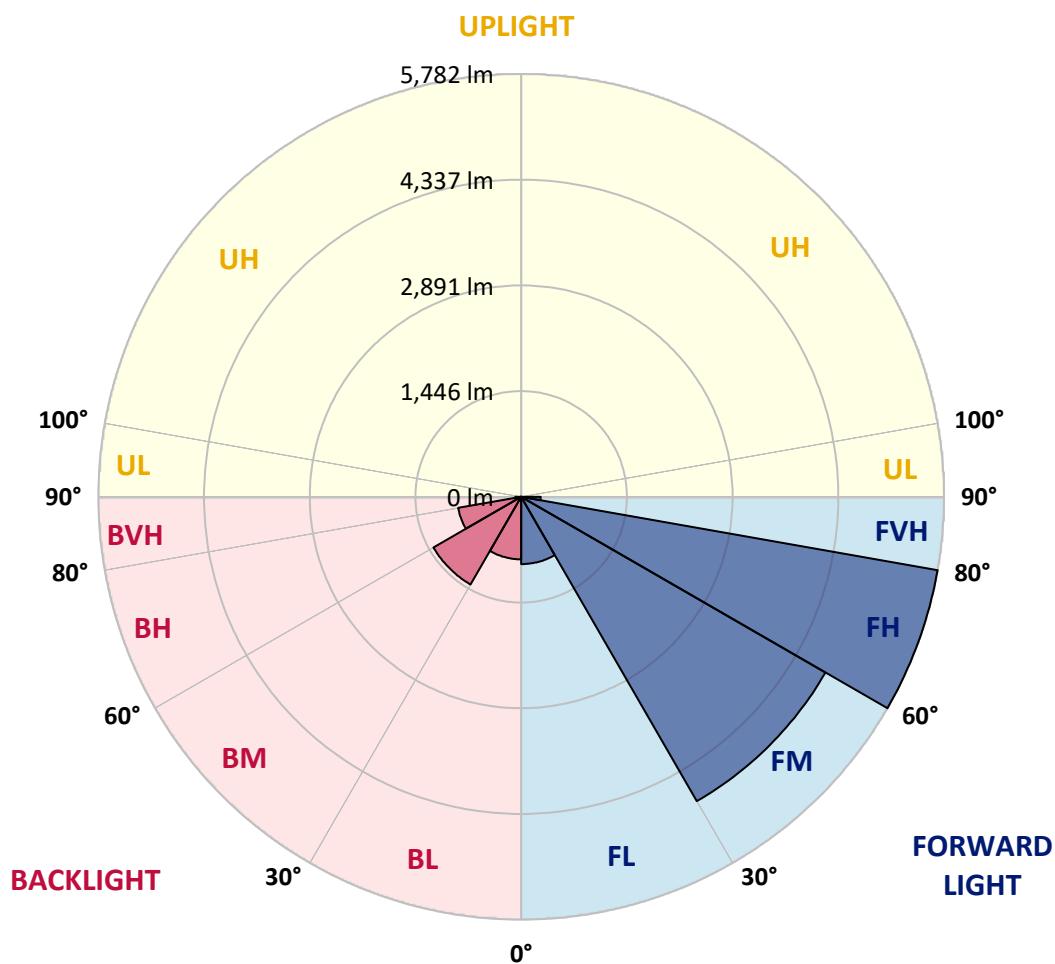
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	920.3	6.1			
FM	(30°-60°)	4804.9	32.1			
FH	(60°-80°)	5782.4	38.6			G3/7500
FVH	(80°-90°)	267.1	1.8			G3/500
BL	(0°-30°)	854.9	5.7	B2/1000		
BM	(30°-60°)	1384.6	9.2	B2/2500		
BH	(60°-80°)	873.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	80.9	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°	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0
2.5°	1936.7	1943.3	1938.3	1940.0	1940.0	1941.7	1941.7	1943.3	1941.7	1946.6	1949.8
5°	1902.0	1905.3	1903.6	1906.9	1910.3	1916.9	1915.2	1923.5	1925.1	1930.1	1938.3
7.5°	1888.8	1885.5	1887.2	1892.1	1895.4	1898.8	1902.0	1908.6	1913.6	1925.1	1931.7
10°	1902.0	1900.3	1902.0	1905.3	1905.3	1906.9	1903.6	1910.3	1913.6	1923.5	1930.1
12.5°	1956.5	1956.5	1953.2	1953.2	1949.8	1946.6	1938.3	1933.4	1931.7	1933.4	1936.7
15°	2044.0	2040.7	2034.1	2029.1	2022.5	2011.0	1999.4	1989.5	1982.9	1973.0	1969.7
17.5°	2129.8	2124.9	2118.3	2111.7	2103.4	2091.9	2073.7	2062.2	2044.0	2032.4	2025.8
20°	2228.9	2219.0	2210.8	2202.5	2186.0	2182.7	2164.6	2144.7	2123.2	2096.8	2093.6
22.5°	2357.7	2341.1	2331.3	2326.3	2309.8	2304.9	2275.1	2247.0	2220.6	2186.0	2177.7
25°	2488.1	2471.6	2466.6	2460.1	2448.5	2441.9	2413.9	2382.5	2347.8	2299.9	2290.1
27.5°	2615.2	2616.9	2603.7	2608.7	2605.4	2593.8	2565.7	2534.4	2508.0	2451.8	2440.2
30°	2773.8	2763.8	2757.2	2767.2	2755.6	2757.2	2732.5	2716.0	2673.1	2640.0	2616.9
32.5°	2938.9	2937.2	2947.2	2953.7	2952.1	2948.8	2928.9	2912.4	2874.5	2826.6	2816.7
35°	3165.1	3174.9	3183.2	3213.0	3213.0	3234.4	3214.6	3194.8	3150.2	3092.4	3072.6
37.5°	3318.7	3321.9	3354.9	3394.5	3444.0	3490.4	3503.5	3508.5	3490.4	3447.4	3417.7
40°	3459.0	3465.6	3518.3	3579.5	3652.1	3742.9	3797.4	3822.2	3827.2	3807.4	3742.9
42.5°	3599.3	3609.2	3663.7	3752.8	3853.6	3969.1	4064.9	4126.0	4160.6	4160.6	4122.7
45°	3762.7	3776.0	3835.4	3932.8	4050.1	4195.3	4327.4	4444.7	4500.7	4504.0	4467.8
47.5°	3956.0	3967.5	4036.8	4135.9	4256.4	4403.3	4570.2	4703.8	4807.9	4814.5	4784.8
50°	4205.2	4221.8	4279.5	4368.7	4492.5	4641.1	4807.9	4994.4	5103.4	5129.8	5098.4
52.5°	4535.4	4538.8	4586.6	4669.1	4789.7	4931.7	5108.4	5311.4	5455.0	5476.6	5425.4
55°	4991.1	4986.2	5017.5	5106.7	5197.5	5308.1	5491.4	5719.3	5879.4	5912.4	5859.6
57.5°	5610.3	5605.3	5631.7	5653.2	5823.2	5930.6	6110.6	6328.5	6483.6	6579.5	6488.6
60°	6569.5	6564.6	6607.5	6733.0	6860.1	7017.0	7192.0	7452.8	7670.8	7698.9	7609.6
62.5°	7264.7	7289.4	7383.5	7530.5	7788.0	8095.1	8415.4	8758.9	9206.2	9348.3	9305.3
65°	7021.9	7071.4	7201.9	7424.8	7768.2	8192.5	8694.4	9316.9	9916.2	10251.4	10241.5
66°	6803.9	6858.4	7018.7	7233.3	7596.5	8060.4	8608.6	9287.2	9957.5	10327.4	10350.5
67.5°	6407.8	6468.8	6625.7	6879.9	7233.3	7726.9	8316.4	9054.4	9812.2	10243.1	10304.2
70°	5636.7	5706.0	5820.0	6029.6	6378.0	6818.9	7439.6	8100.0	8894.2	9387.9	9462.2
72.5°	4712.1	4773.2	4900.3	5072.0	5357.6	5635.0	6122.1	6609.1	7177.1	7740.1	7685.6
75°	3383.0	3409.4	3485.4	3671.9	3825.5	4074.8	4466.1	4865.6	5253.7	5511.2	5547.6
77.5°	1758.3	1827.7	1935.0	2141.5	2308.2	2532.7	2786.9	3087.5	3371.4	3607.6	3543.1
80°	1150.8	1180.5	1276.3	1382.0	1504.1	1647.8	1817.8	1930.1	1966.4	1951.5	1966.4
82.5°	663.7	718.2	845.4	926.2	1017.1	1066.5	1202.0	1330.8	1403.4	1312.5	1279.6
85°	84.2	109.0	343.4	432.5	495.3	569.6	610.9	688.5	642.3	574.6	700.0
87.5°	18.1	16.5	23.1	49.5	51.2	42.9	80.9	85.8	52.8	26.4	33.1
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0
2.5°	1953.2	1954.8	1958.1	1963.1	1966.4	1969.7	1973.0	1977.9	1981.2	1984.6	1991.2
5°	1945.0	1951.5	1958.1	1964.8	1973.0	1986.2	1994.5	2001.0	2007.7	2020.9	2025.8
7.5°	1940.0	1951.5	1961.5	1973.0	1986.2	1997.7	2012.6	2020.9	2030.8	2039.1	2048.9
10°	1936.7	1953.2	1963.1	1979.6	1994.5	2006.0	2022.5	2032.4	2044.0	2053.9	2058.9
12.5°	1943.3	1951.5	1961.5	1977.9	1996.2	2012.6	2030.8	2039.1	2048.9	2057.2	2058.9
15°	1971.4	1971.4	1973.0	1986.2	2004.4	2017.6	2032.4	2040.7	2045.7	2050.6	2050.6
17.5°	2022.5	2011.0	2002.7	2004.4	2016.0	2024.1	2032.4	2032.4	2029.1	2027.5	2024.1
20°	2082.0	2067.2	2050.6	2039.1	2035.8	2029.1	2024.1	2007.7	1994.5	1982.9	1974.6
22.5°	2167.9	2144.7	2121.6	2100.1	2080.3	2055.5	2027.5	1994.5	1963.1	1941.7	1928.4
25°	2273.5	2255.3	2227.3	2194.2	2169.4	2123.2	2086.9	2039.1	1999.4	1971.4	1948.3
27.5°	2423.7	2402.3	2375.9	2346.1	2309.8	2258.7	2214.1	2157.9	2110.1	2068.8	2039.1
30°	2610.3	2582.3	2562.4	2526.1	2501.3	2443.5	2399.0	2329.6	2237.2	2171.1	2129.8
32.5°	2801.9	2770.5	2754.0	2725.9	2697.8	2663.1	2595.4	2488.1	2369.2	2262.0	2191.0
35°	3057.7	3024.8	2995.0	2970.3	2928.9	2864.6	2805.2	2676.4	2512.8	2362.7	2243.7
37.5°	3379.7	3325.2	3250.9	3188.2	3115.5	3023.1	2932.2	2800.2	2613.6	2418.8	2260.3
40°	3723.1	3627.4	3521.7	3404.5	3279.0	3145.3	3041.2	2907.5	2697.8	2466.6	2248.7
42.5°	4081.3	3929.5	3782.6	3617.4	3442.5	3283.9	3148.6	3001.7	2760.5	2479.9	2202.5
45°	4436.4	4266.3	4043.4	3827.2	3605.9	3409.4	3257.5	3092.4	2818.3	2484.9	2141.5
47.5°	4730.3	4555.2	4301.0	4030.3	3767.7	3544.8	3366.5	3188.2	2896.0	2519.5	2126.5
50°	5040.6	4827.7	4545.4	4225.1	3927.9	3678.5	3488.7	3303.7	3004.9	2608.7	2174.4
52.5°	5379.2	5134.7	4804.6	4446.3	4121.0	3842.0	3635.6	3445.7	3143.6	2734.1	2265.3
55°	5791.9	5493.1	5134.7	4730.3	4381.9	4073.2	3845.3	3620.7	3308.7	2882.7	2379.2
57.5°	6422.6	6056.1	5653.2	5192.5	4806.2	4441.3	4168.9	3909.6	3564.7	3103.9	2534.4
60°	7563.4	7172.1	6648.8	6090.7	5636.7	5210.7	4811.2	4489.2	4064.9	3539.9	2877.8
62.5°	9198.0	8677.9	7979.5	7198.5	6604.2	5990.1	5539.3	5060.5	4533.8	3967.5	3282.3
65°	10106.1	9475.3	8540.9	7634.4	6870.1	6203.0	5630.1	5075.3	4490.9	3949.3	3376.4
66°	10218.3	9561.2	8590.4	7636.1	6833.7	6148.5	5545.9	4971.3	4373.7	3856.9	3336.8
67.5°	10172.1	9500.1	8499.6	7492.4	6676.9	5940.5	5318.0	4722.0	4126.0	3643.8	3204.7
70°	9414.3	8777.0	7794.6	6818.9	6044.5	5318.0	4723.6	4137.5	3591.0	3178.2	2854.7
72.5°	7817.7	7272.8	6419.3	5653.2	5045.6	4446.3	3942.7	3383.0	2920.7	2615.2	2423.7
75°	5643.3	5313.1	4535.4	4096.3	3563.0	3165.1	2676.4	2344.5	2012.6	1864.0	1831.0
77.5°	3564.7	3120.5	2626.8	2162.9	1778.1	1474.4	1147.5	974.1	812.3	795.9	960.9
80°	1804.6	1624.7	1251.5	997.2	838.8	678.5	536.6	406.1	283.9	341.8	409.4
82.5°	1182.2	985.7	772.6	635.6	553.1	459.0	356.6	247.7	181.7	204.8	280.7
85°	639.0	544.9	439.2	346.7	280.7	251.0	168.4	118.9	117.2	125.5	160.1
87.5°	46.2	46.2	36.4	33.1	39.6	33.1	29.7	29.7	28.1	29.7	39.6
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0
2.5°	1994.5	1999.4	2001.0	2009.3	2014.3	2017.6	2020.9	2020.9	2022.5	2027.5	2029.1
5°	2032.4	2040.7	2050.6	2057.2	2060.5	2070.5	2073.7	2073.7	2077.0	2083.6	2088.6
7.5°	2055.5	2067.2	2077.0	2080.3	2086.9	2090.3	2095.2	2098.4	2098.4	2105.1	2108.4
10°	2063.8	2070.5	2080.3	2080.3	2086.9	2086.9	2091.9	2093.6	2093.6	2100.1	2105.1
12.5°	2063.8	2067.2	2075.3	2075.3	2080.3	2082.0	2088.6	2093.6	2095.2	2103.4	2110.1
15°	2053.9	2057.2	2063.8	2065.5	2077.0	2083.6	2098.4	2108.4	2108.4	2116.7	2119.9
17.5°	2025.8	2034.1	2047.3	2060.5	2082.0	2096.8	2115.0	2123.2	2116.7	2111.7	2106.7
20°	1979.6	1994.5	2025.8	2058.9	2096.8	2116.7	2126.5	2118.3	2095.2	2072.0	2057.2
22.5°	1933.4	1963.1	2016.0	2065.5	2108.4	2121.6	2116.7	2086.9	2048.9	2020.9	2001.0
25°	1954.8	1989.5	2040.7	2085.3	2113.4	2110.1	2090.3	2048.9	2007.7	1971.4	1938.3
27.5°	2044.0	2082.0	2110.1	2124.9	2121.6	2098.4	2067.2	2020.9	1971.4	1923.5	1877.2
30°	2128.2	2148.0	2154.6	2143.1	2116.7	2078.7	2039.1	1986.2	1920.2	1860.7	1807.9
32.5°	2166.2	2146.3	2115.0	2083.6	2040.7	2007.7	1953.2	1895.4	1812.8	1741.9	1689.0
35°	2166.2	2086.9	2007.7	1941.7	1877.2	1836.0	1773.3	1695.6	1619.7	1560.2	1519.0
37.5°	2118.3	1966.4	1836.0	1728.6	1647.8	1603.2	1509.0	1439.7	1375.3	1355.5	1329.1
40°	2030.8	1806.2	1618.0	1477.7	1375.3	1309.3	1215.1	1167.3	1142.5	1132.6	1127.7
42.5°	1913.6	1628.0	1377.0	1203.6	1093.0	1018.7	956.0	926.2	924.6	922.9	922.9
45°	1788.1	1436.4	1142.5	936.2	838.8	772.6	743.0	731.4	741.3	739.7	741.3
47.5°	1710.5	1291.1	927.9	708.3	634.0	591.1	576.2	581.1	589.4	586.1	586.1
50°	1700.6	1216.8	784.2	551.4	495.3	473.9	470.6	470.6	475.5	472.2	470.6
52.5°	1736.9	1205.3	709.9	473.9	429.2	411.1	407.8	406.1	404.5	394.6	386.3
55°	1799.7	1231.7	688.5	454.0	407.8	388.0	383.0	379.8	373.2	359.9	345.1
57.5°	1925.1	1314.2	708.3	463.9	414.4	397.9	393.0	393.0	379.8	358.2	336.8
60°	2227.3	1523.9	789.2	502.0	445.8	429.2	432.5	430.9	411.1	379.8	346.7
62.5°	2616.9	1798.0	894.8	554.7	485.4	482.1	498.7	495.3	462.3	414.4	366.5
65°	2796.9	1926.7	924.6	566.3	493.7	508.5	541.6	538.2	497.0	430.9	369.8
66°	2800.2	1926.7	911.4	556.4	482.1	500.3	533.3	531.6	490.4	424.4	363.2
67.5°	2732.5	1874.0	873.4	536.6	459.0	472.2	502.0	500.3	462.3	407.8	350.1
70°	2478.2	1677.5	776.0	502.0	427.7	421.0	430.9	424.4	399.6	361.6	322.0
72.5°	2123.2	1408.4	676.9	475.5	406.1	379.8	373.2	368.2	348.4	326.9	302.2
75°	1672.5	1114.5	594.4	455.6	386.3	351.7	340.1	333.5	320.3	305.5	285.6
77.5°	1031.9	797.4	518.4	429.2	371.5	336.8	328.6	318.7	298.9	280.7	265.8
80°	460.6	493.7	426.0	374.8	331.8	300.5	287.3	272.4	252.6	241.0	232.8
82.5°	307.0	318.7	308.7	280.7	251.0	226.2	206.4	206.4	203.1	193.2	189.8
85°	196.5	198.1	191.5	173.4	161.8	146.9	138.7	140.3	146.9	145.3	143.6
87.5°	44.6	44.6	52.8	49.5	57.8	61.1	66.0	71.0	80.9	80.9	85.8
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°	1973.0	1973.0	1973.0	1973.0	1973.0
2.5°	2030.8	2034.1	2037.4	2032.4	2034.1
5°	2088.6	2086.9	2095.2	2090.3	2093.6
7.5°	2106.7	2108.4	2115.0	2115.0	2116.7
10°	2108.4	2111.7	2119.9	2124.9	2128.2
12.5°	2116.7	2123.2	2136.5	2139.8	2139.8
15°	2123.2	2126.5	2134.8	2138.1	2141.5
17.5°	2100.1	2093.6	2096.8	2098.4	2096.8
20°	2042.4	2035.8	2034.1	2027.5	2030.8
22.5°	1979.6	1961.5	1949.8	1936.7	1936.7
25°	1903.6	1875.5	1852.4	1829.3	1834.3
27.5°	1832.6	1796.4	1773.3	1758.3	1755.0
30°	1763.3	1725.4	1703.8	1685.7	1685.7
32.5°	1647.8	1621.3	1593.3	1581.7	1580.1
35°	1487.6	1471.1	1448.0	1443.0	1434.7
37.5°	1307.7	1302.7	1282.9	1281.2	1273.0
40°	1119.4	1122.7	1116.1	1112.8	1107.9
42.5°	931.2	947.7	944.4	942.8	939.5
45°	751.2	762.8	764.5	769.4	777.6
47.5°	591.1	594.4	597.7	596.1	597.7
50°	462.3	454.0	452.4	447.5	452.4
52.5°	373.2	359.9	353.4	346.7	343.4
55°	328.6	315.3	308.7	305.5	302.2
57.5°	317.0	303.8	293.9	287.3	285.6
60°	320.3	300.5	287.3	279.1	277.4
62.5°	328.6	302.2	283.9	275.8	274.1
65°	326.9	298.9	282.3	272.4	270.8
66°	322.0	295.5	279.1	270.8	269.1
67.5°	313.7	290.6	275.8	269.1	265.8
70°	298.9	283.9	272.4	264.1	260.8
72.5°	285.6	274.1	264.1	256.0	254.3
75°	270.8	260.8	251.0	244.4	242.7
77.5°	252.6	242.7	236.1	231.2	229.5
80°	222.9	216.3	209.6	203.1	203.1
82.5°	184.9	180.0	173.4	168.4	166.7
85°	142.0	142.0	137.0	132.1	130.5
87.5°	84.2	82.6	82.6	77.6	77.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)