

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: P159675

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159675
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33707)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-T4
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

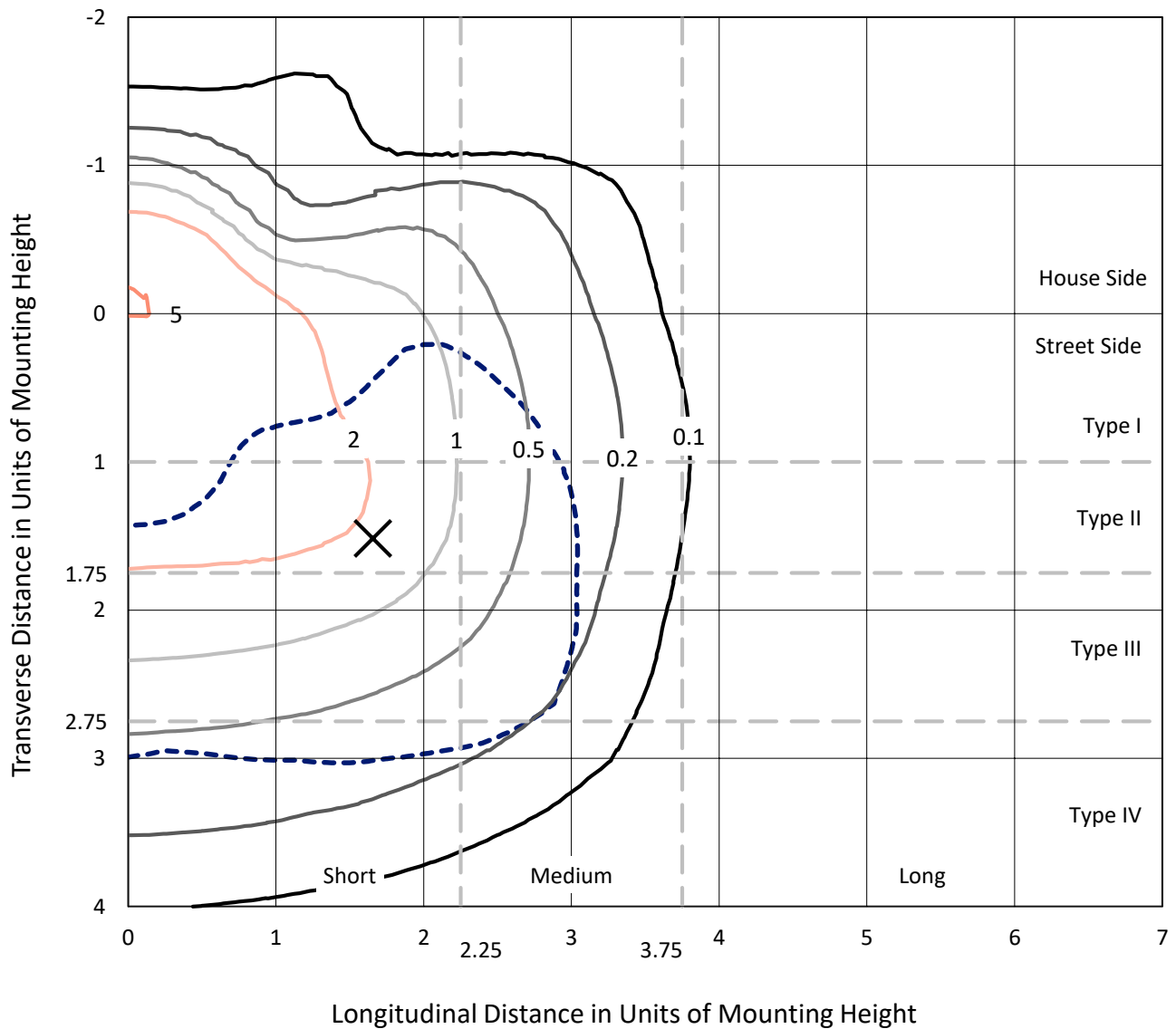
Lumens per Lamp: N/A
Luminaire Lumens: 14742.4 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): 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

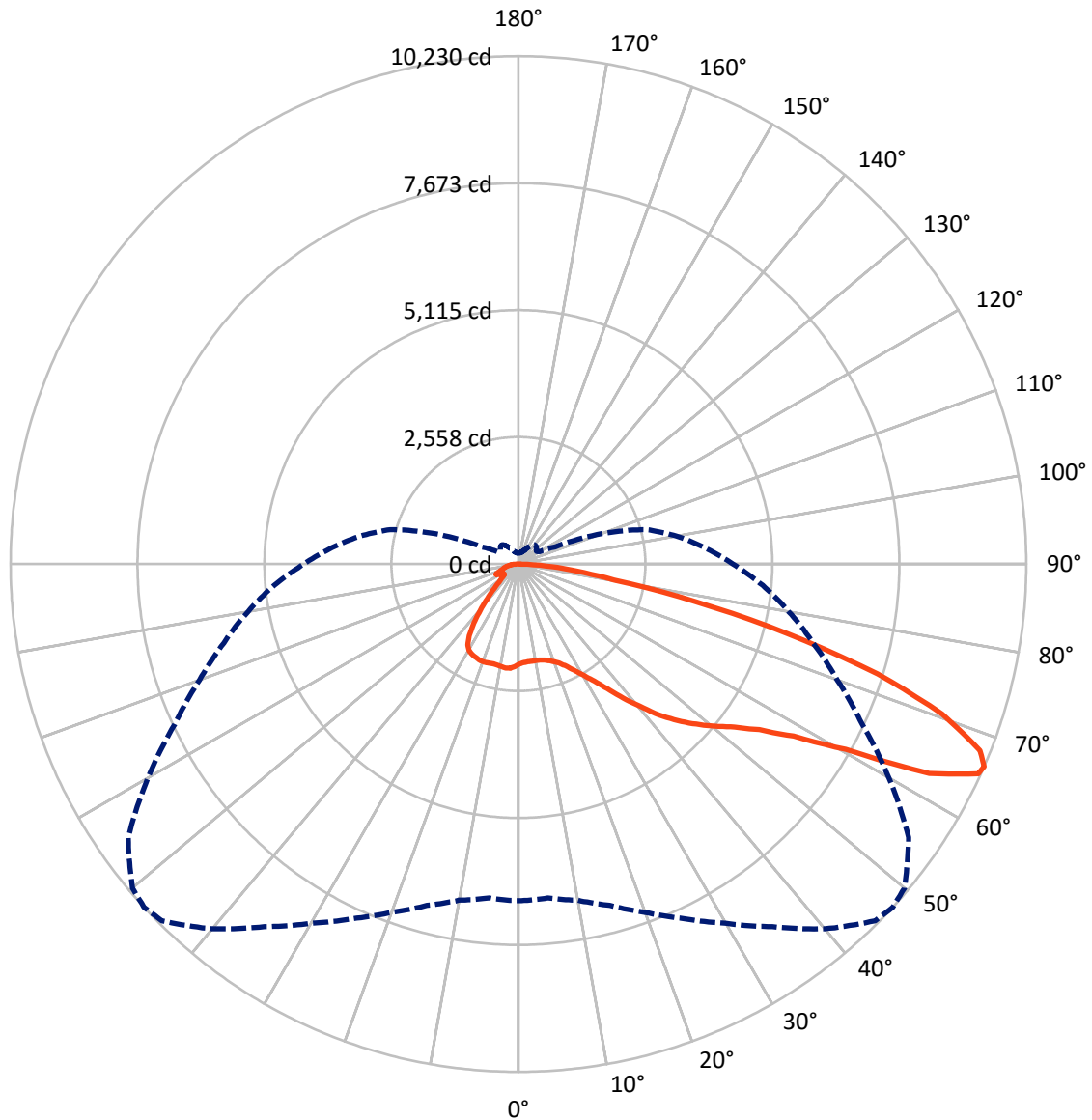
✕ Max cd
 - - - 1/2 Max cd



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



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3052.3	0.0	3052.3
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	11690.0	0.0	11690.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	14742.4	0.0	14742.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.4	1.3
10°-20°	583.0	4.0
20°-30°	994.7	6.7
30°-40°	1501.3	10.2
40°-50°	1951.3	13.2
50°-60°	2677.0	18.2
60°-70°	4118.1	27.9
70°-80°	2380.5	16.1
80°-90°	342.0	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°	14742.4	100.0
0°-180°	14742.4	100.0



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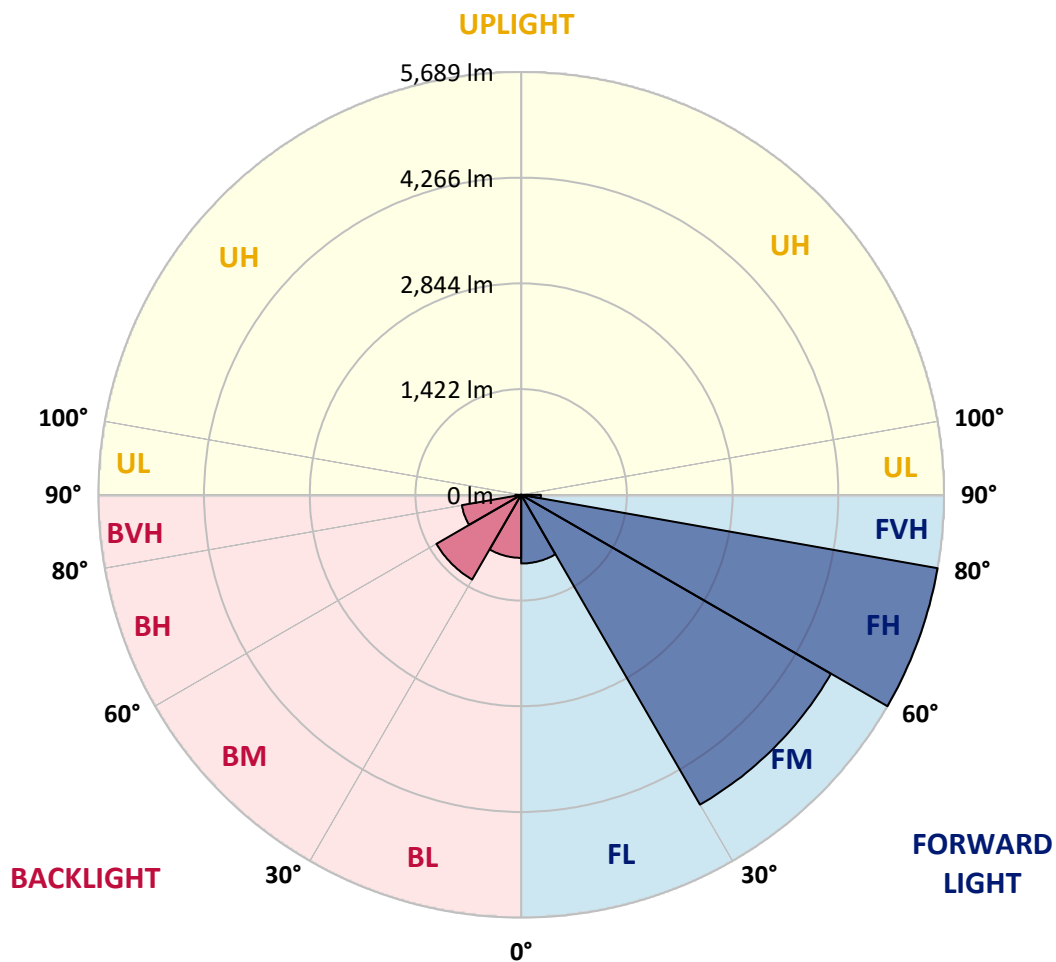
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	924.1	6.3			
FM	(30°-60°)	4812.7	32.6			
FH	(60°-80°)	5688.6	38.6			G3/7500
FVH	(80°-90°)	264.7	1.8			G3/500
BL	(0°-30°)	848.0	5.8	B2/1000		
BM	(30°-60°)	1316.9	8.9	B2/2500		
BH	(60°-80°)	810.1	5.5	B2/1000		G2/1000
BVH	(80°-90°)	77.3	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°	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9
2.5°	1965.4	1966.4	1967.4	1967.4	1970.4	1970.4	1975.3	1978.3	1979.3	1985.2	1989.2	1989.2
5°	1928.8	1927.8	1928.8	1930.7	1935.7	1939.7	1949.6	1956.5	1962.4	1972.3	1977.3	1977.3
7.5°	1912.9	1914.9	1916.9	1917.9	1921.8	1931.7	1940.6	1947.6	1959.5	1971.4	1976.3	1976.3
10°	1933.7	1936.7	1933.7	1935.7	1935.7	1944.6	1948.6	1953.5	1962.4	1973.3	1976.3	1976.3
12.5°	1982.3	1988.2	1982.3	1977.3	1973.3	1981.3	1979.3	1975.3	1980.3	1983.2	1983.2	1983.2
15°	2062.5	2062.5	2058.5	2051.6	2041.7	2042.7	2033.8	2024.8	2020.9	2014.0	2009.0	2009.0
17.5°	2140.8	2138.8	2129.9	2120.9	2114.0	2111.0	2098.2	2086.3	2072.4	2061.5	2049.6	2049.6
20°	2217.0	2225.0	2214.1	2201.2	2190.3	2183.3	2173.4	2149.7	2132.8	2115.0	2103.1	2103.1
22.5°	2348.8	2341.8	2330.0	2311.1	2300.2	2288.4	2267.6	2241.8	2216.0	2194.2	2179.4	2179.4
25°	2484.5	2477.6	2460.7	2446.9	2431.0	2421.1	2398.3	2366.6	2341.8	2308.2	2288.4	2288.4
27.5°	2630.1	2624.2	2604.4	2593.5	2582.6	2570.7	2550.9	2518.2	2495.4	2456.8	2436.0	2436.0
30°	2794.6	2793.6	2766.8	2764.8	2749.0	2736.1	2722.3	2694.5	2671.7	2633.1	2608.3	2608.3
32.5°	2969.9	2965.9	2947.1	2941.2	2952.1	2943.2	2923.3	2894.6	2864.9	2842.1	2814.4	2814.4
35°	3219.5	3212.6	3201.7	3206.7	3213.6	3238.4	3207.7	3182.9	3147.2	3117.5	3078.9	3078.9
37.5°	3401.8	3391.9	3404.8	3432.5	3472.2	3491.0	3517.7	3518.7	3501.9	3462.3	3428.6	3428.6
40°	3569.2	3565.3	3595.0	3633.6	3706.9	3760.4	3811.0	3835.7	3841.7	3815.9	3765.4	3765.4
42.5°	3710.9	3722.8	3762.4	3821.9	3924.9	4006.1	4100.2	4158.7	4195.3	4181.4	4158.7	4158.7
45°	3879.3	3885.3	3933.8	4009.1	4107.2	4241.9	4365.7	4464.8	4529.2	4528.2	4502.4	4502.4
47.5°	4090.3	4091.3	4132.9	4221.1	4326.1	4462.8	4619.3	4751.1	4836.3	4840.2	4820.4	4820.4
50°	4340.9	4339.0	4384.5	4467.7	4579.7	4711.4	4877.9	5042.3	5161.2	5161.2	5132.5	5132.5
52.5°	4663.9	4659.9	4684.7	4758.0	4866.0	5004.7	5170.1	5360.3	5489.1	5516.8	5454.4	5454.4
55°	5094.8	5100.8	5106.7	5171.1	5263.2	5373.2	5563.4	5738.7	5911.1	5926.9	5890.3	5890.3
57.5°	5593.1	5573.3	5615.9	5720.9	5825.9	5963.6	6098.3	6305.4	6509.4	6544.1	6539.1	6539.1
60°	6371.7	6346.0	6389.6	6523.3	6639.2	6856.1	7087.0	7354.4	7596.2	7667.5	7581.3	7581.3
62.5°	7088.0	7119.7	7179.1	7334.6	7503.0	7792.3	8139.0	8597.7	9056.3	9306.0	9288.1	9288.1
65°	7023.6	6993.8	7107.8	7319.8	7624.9	7993.4	8424.3	8977.1	9637.8	10139.1	10183.7	10183.7
66°	6784.8	6754.1	6877.0	7119.7	7468.4	7878.5	8357.0	8919.6	9595.2	10161.9	10230.2	10230.2
67.5°	6390.6	6359.8	6498.5	6719.4	7079.0	7595.2	8112.3	8727.4	9429.8	9972.7	10028.1	10028.1
70°	5629.7	5588.1	5696.1	5945.8	6237.0	6736.3	7228.6	7880.5	8601.6	9035.5	9056.3	9056.3
72.5°	4768.9	4671.8	4786.7	4978.9	5186.9	5600.0	6029.0	6474.8	7049.3	7450.5	7565.4	7565.4
75°	3460.3	3510.8	3544.5	3671.3	3809.0	4150.7	4402.4	4775.8	5220.6	5510.9	5603.0	5603.0
77.5°	1835.6	1911.9	1959.5	2086.3	2314.1	2574.6	2847.1	3077.9	3370.1	3532.6	3645.5	3645.5
80°	1030.3	1083.7	1161.0	1261.1	1372.0	1572.1	1733.6	1852.5	1894.1	1922.8	1948.6	1948.6
82.5°	566.6	702.4	817.3	886.6	952.0	1032.2	1128.3	1227.4	1259.1	1211.5	1186.8	1186.8
85°	88.2	129.8	395.3	482.4	525.0	586.5	655.8	729.1	730.1	628.1	685.5	685.5
87.5°	24.8	27.7	56.5	85.2	83.2	67.4	83.2	151.6	89.2	44.6	51.5	51.5
90°	0.0	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°	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9
2.5°	1991.2	1993.1	1998.1	2003.1	2008.0	2013.0	2015.9	2020.9	2024.8	2030.8	2037.7
5°	1983.2	1988.2	1997.1	2008.0	2017.9	2026.8	2033.8	2043.7	2052.6	2060.5	2072.4
7.5°	1983.2	1993.1	2008.0	2019.9	2028.8	2039.7	2050.6	2060.5	2070.4	2078.3	2086.3
10°	1984.2	1994.1	2009.0	2022.9	2032.8	2044.7	2053.6	2062.5	2073.4	2078.3	2088.2
12.5°	1988.2	1992.2	2003.1	2016.9	2028.8	2040.7	2049.6	2058.5	2070.4	2072.4	2079.3
15°	2008.0	2002.1	2005.0	2014.9	2027.8	2037.7	2047.6	2054.6	2062.5	2060.5	2066.5
17.5°	2044.7	2029.8	2023.9	2024.8	2030.8	2037.7	2041.7	2042.7	2043.7	2034.8	2035.7
20°	2094.2	2073.4	2059.5	2052.6	2044.7	2037.7	2026.8	2014.0	2002.1	1984.2	1982.3
22.5°	2168.5	2137.8	2122.9	2104.1	2080.3	2050.6	2023.9	1992.2	1966.4	1939.7	1929.7
25°	2276.5	2244.8	2228.9	2199.2	2156.6	2114.0	2075.4	2032.8	1995.1	1963.4	1948.6
27.5°	2421.1	2389.4	2372.6	2341.8	2289.3	2246.7	2193.3	2147.7	2102.1	2055.6	2036.7
30°	2596.4	2568.7	2549.9	2525.1	2479.5	2433.0	2370.6	2300.2	2227.9	2153.6	2117.0
32.5°	2803.5	2772.8	2758.9	2730.2	2682.6	2634.1	2564.7	2474.6	2353.7	2236.8	2163.5
35°	3062.0	3027.4	3011.5	2973.9	2918.4	2847.1	2772.8	2651.9	2488.5	2326.0	2206.1
37.5°	3407.8	3330.5	3278.0	3191.8	3102.7	3002.6	2896.6	2772.8	2579.6	2378.5	2212.1
40°	3713.9	3635.6	3534.6	3410.7	3272.1	3134.4	3013.5	2872.8	2662.8	2416.1	2193.3
42.5°	4094.3	3955.6	3794.1	3626.7	3442.4	3273.0	3129.4	2964.0	2719.3	2426.1	2140.8
45°	4442.0	4276.5	4060.6	3837.7	3608.9	3395.9	3234.4	3050.1	2767.8	2426.1	2077.4
47.5°	4759.0	4560.9	4302.3	4024.9	3758.4	3525.7	3342.4	3138.3	2836.2	2456.8	2058.5
50°	5052.2	4824.4	4530.2	4208.2	3909.0	3660.4	3463.2	3251.2	2940.2	2536.0	2104.1
52.5°	5361.3	5119.6	4761.0	4419.2	4089.3	3822.8	3612.8	3390.9	3074.9	2660.8	2184.3
55°	5766.5	5483.1	5076.0	4699.5	4337.0	4042.8	3804.0	3558.3	3222.5	2801.5	2282.4
57.5°	6405.4	5994.3	5587.2	5097.8	4756.0	4368.7	4107.2	3824.8	3462.3	2984.8	2430.0
60°	7523.8	7018.6	6529.2	5966.6	5544.6	5139.4	4744.1	4375.6	3938.7	3398.9	2754.0
62.5°	9120.7	8607.6	7838.9	7150.4	6513.4	5976.5	5461.3	4992.8	4432.1	3841.7	3153.2
65°	10074.7	9487.3	8570.9	7645.7	6872.0	6206.3	5616.9	5043.3	4438.0	3862.5	3274.0
66°	10151.0	9595.2	8616.5	7638.7	6835.3	6144.9	5531.7	4938.3	4318.2	3767.4	3234.4
67.5°	10009.3	9530.9	8523.4	7504.0	6682.8	5936.8	5306.8	4684.7	4061.6	3551.4	3102.7
70°	9009.8	8664.0	7800.2	6845.3	6026.0	5368.2	4703.5	4105.2	3514.8	3085.8	2753.0
72.5°	7386.1	6948.3	6344.0	5702.1	5057.2	4473.7	3869.4	3360.2	2864.9	2552.9	2317.1
75°	5425.7	5031.4	4365.7	3965.5	3539.5	3173.0	2765.8	2283.4	1931.7	1775.2	1717.8
77.5°	3439.5	3011.5	2449.8	2008.0	1726.7	1484.0	1169.9	930.2	745.0	775.7	858.9
80°	1737.6	1496.8	1120.4	884.6	764.8	636.0	503.2	381.4	278.4	318.0	359.6
82.5°	1115.4	931.2	742.0	584.5	493.3	434.9	347.7	252.6	188.2	212.0	259.5
85°	671.6	567.6	452.7	370.5	322.0	268.5	197.1	139.7	138.7	148.6	183.3
87.5°	102.0	145.6	84.2	90.1	95.1	102.0	90.1	76.3	66.4	86.2	109.0
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9	2016.9
2.5°	2044.7	2046.6	2050.6	2055.6	2054.6	2061.5	2065.5	2061.5	2070.4	2070.4	2075.4
5°	2082.3	2085.3	2092.2	2097.2	2099.1	2105.1	2107.1	2106.1	2108.1	2109.1	2111.0
7.5°	2093.2	2101.1	2104.1	2107.1	2108.1	2110.0	2110.0	2108.1	2108.1	2107.1	2109.1
10°	2090.2	2093.2	2095.2	2094.2	2094.2	2092.2	2091.2	2090.2	2090.2	2088.2	2091.2
12.5°	2080.3	2080.3	2080.3	2078.3	2078.3	2077.4	2077.4	2077.4	2079.3	2080.3	2085.3
15°	2060.5	2060.5	2062.5	2061.5	2064.5	2069.4	2075.4	2079.3	2084.3	2085.3	2088.2
17.5°	2029.8	2030.8	2036.7	2049.6	2062.5	2077.4	2088.2	2091.2	2087.3	2077.4	2070.4
20°	1976.3	1989.2	2013.0	2043.7	2072.4	2091.2	2096.2	2084.3	2065.5	2039.7	2025.8
22.5°	1928.8	1954.5	1997.1	2047.6	2083.3	2096.2	2081.3	2053.6	2019.9	1990.2	1969.4
25°	1947.6	1977.3	2021.9	2065.5	2088.2	2081.3	2051.6	2012.0	1976.3	1941.6	1908.0
27.5°	2026.8	2056.5	2088.2	2101.1	2093.2	2067.4	2025.8	1983.2	1935.7	1886.2	1844.6
30°	2102.1	2119.0	2120.9	2108.1	2079.3	2037.7	1989.2	1939.7	1879.2	1819.8	1767.3
32.5°	2125.9	2106.1	2070.4	2033.8	1994.1	1951.5	1895.1	1829.7	1765.3	1697.9	1639.5
35°	2119.0	2038.7	1950.6	1872.3	1824.7	1776.2	1724.7	1637.5	1565.2	1507.7	1470.1
37.5°	2056.5	1909.9	1774.2	1660.3	1586.0	1528.5	1452.3	1379.9	1317.5	1291.8	1261.1
40°	1969.4	1745.5	1557.3	1397.8	1320.5	1247.2	1162.0	1106.5	1088.7	1064.9	1065.9
42.5°	1844.6	1553.3	1310.6	1127.3	1043.1	962.9	902.5	869.8	870.8	851.0	854.9
45°	1712.8	1360.1	1055.0	872.7	789.5	721.2	687.5	677.6	678.6	679.6	673.6
47.5°	1632.6	1209.6	846.0	661.7	588.4	549.8	532.0	527.0	528.0	529.0	522.1
50°	1620.7	1131.3	706.3	506.2	458.7	436.9	428.0	423.0	423.0	419.0	413.1
52.5°	1654.4	1111.5	638.0	438.8	393.3	373.5	366.5	362.6	356.6	348.7	337.8
55°	1707.8	1129.3	617.2	416.1	371.5	351.7	342.8	340.8	330.9	316.0	298.2
57.5°	1806.9	1193.7	631.0	422.0	375.4	357.6	351.7	349.7	335.8	313.0	290.3
60°	2091.2	1380.9	700.4	455.7	404.2	389.3	389.3	386.3	367.5	334.8	302.1
62.5°	2483.5	1655.3	794.5	502.2	443.8	441.8	458.7	459.7	426.0	373.5	322.0
65°	2672.7	1784.1	827.2	512.2	454.7	477.5	511.2	511.2	463.6	391.3	324.9
66°	2673.7	1781.2	817.3	500.3	442.8	472.5	507.2	507.2	457.7	386.3	320.0
67.5°	2605.4	1725.7	784.6	478.5	416.1	443.8	474.5	473.5	428.9	366.5	306.1
70°	2336.9	1526.6	691.5	442.8	384.4	385.4	396.3	389.3	359.6	317.0	278.4
72.5°	2014.9	1276.9	599.3	420.0	359.6	340.8	331.9	325.9	307.1	281.3	257.6
75°	1545.4	991.6	522.1	399.2	337.8	305.1	293.2	288.3	275.4	260.5	241.7
77.5°	947.0	679.6	442.8	365.5	313.0	283.3	270.4	260.5	247.7	233.8	220.9
80°	408.1	410.1	354.6	310.1	272.4	237.8	220.9	209.0	202.1	197.1	190.2
82.5°	285.3	294.2	270.4	240.7	208.0	183.3	168.4	165.4	166.4	166.4	164.4
85°	214.0	210.0	189.2	172.4	157.5	141.7	129.8	128.8	132.7	132.7	129.8
87.5°	123.8	124.8	107.0	100.1	104.0	89.2	81.2	82.2	92.1	91.1	89.2
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°	2016.9	2016.9	2016.9	2016.9	2016.9
2.5°	2075.4	2078.3	2077.4	2080.3	2077.4
5°	2114.0	2113.0	2112.0	2116.0	2111.0
7.5°	2108.1	2109.1	2109.1	2109.1	2108.1
10°	2093.2	2097.2	2099.1	2103.1	2102.1
12.5°	2088.2	2094.2	2100.1	2106.1	2107.1
15°	2089.2	2093.2	2096.2	2099.1	2100.1
17.5°	2063.5	2062.5	2059.5	2057.5	2055.6
20°	2011.0	2006.0	2001.1	1993.1	1997.1
22.5°	1945.6	1931.7	1915.9	1903.0	1902.0
25°	1869.3	1843.6	1817.8	1801.0	1795.0
27.5°	1802.0	1771.2	1744.5	1729.6	1725.7
30°	1721.7	1694.0	1670.2	1657.3	1649.4
32.5°	1602.8	1581.0	1551.3	1541.4	1540.4
35°	1437.4	1420.6	1399.8	1395.8	1390.8
37.5°	1250.2	1244.2	1234.3	1222.4	1220.5
40°	1050.1	1054.0	1051.1	1044.1	1033.2
42.5°	856.9	863.8	864.8	869.8	874.7
45°	682.5	688.5	688.5	693.4	699.4
47.5°	524.0	520.1	523.1	528.0	531.0
50°	396.3	393.3	388.3	384.4	380.4
52.5°	319.0	313.0	299.2	295.2	291.2
55°	281.3	270.4	260.5	256.6	256.6
57.5°	270.4	256.6	245.7	240.7	238.7
60°	272.4	252.6	238.7	230.8	227.8
62.5°	281.3	253.6	234.8	225.9	222.9
65°	280.3	251.6	233.8	223.9	220.9
66°	275.4	248.6	231.8	222.9	220.9
67.5°	267.5	244.7	229.8	221.9	218.9
70°	251.6	236.8	225.9	218.9	216.0
72.5°	238.7	228.8	218.9	211.0	209.0
75°	226.9	216.9	208.0	204.1	201.1
77.5°	209.0	200.1	195.2	191.2	189.2
80°	185.2	179.3	173.4	169.4	166.4
82.5°	161.5	153.5	147.6	144.6	142.7
85°	131.8	126.8	117.9	111.9	111.0
87.5°	88.2	83.2	80.2	75.3	70.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)