

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: STREETWORKS

Report Number: P158232

Luminaire Tested: **VST-E05-LED-E-U-SL2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158232
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E05-LED-E-U-SL2-7060
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (105) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15436.6 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 127.3
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: 28.75 FT



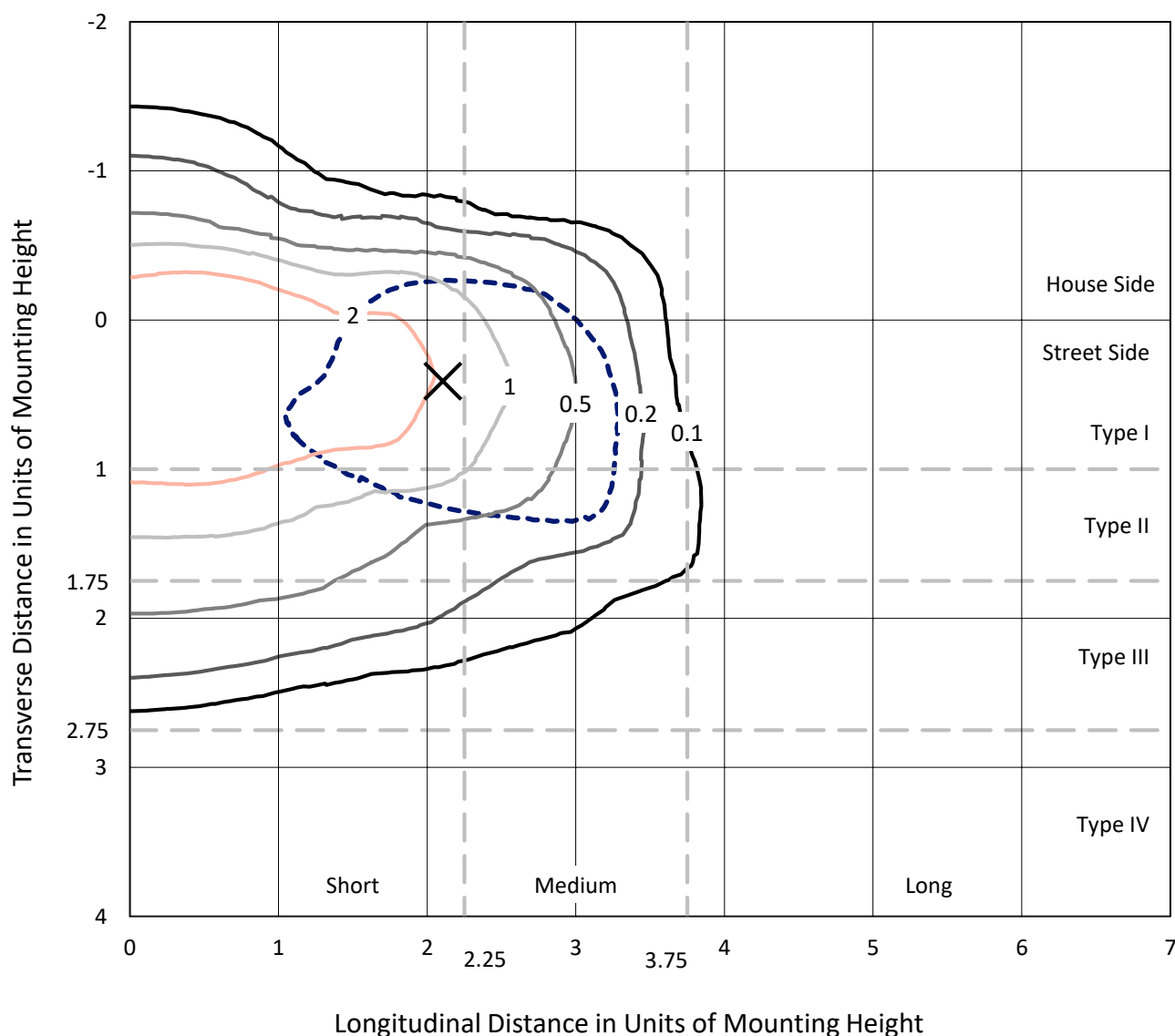
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

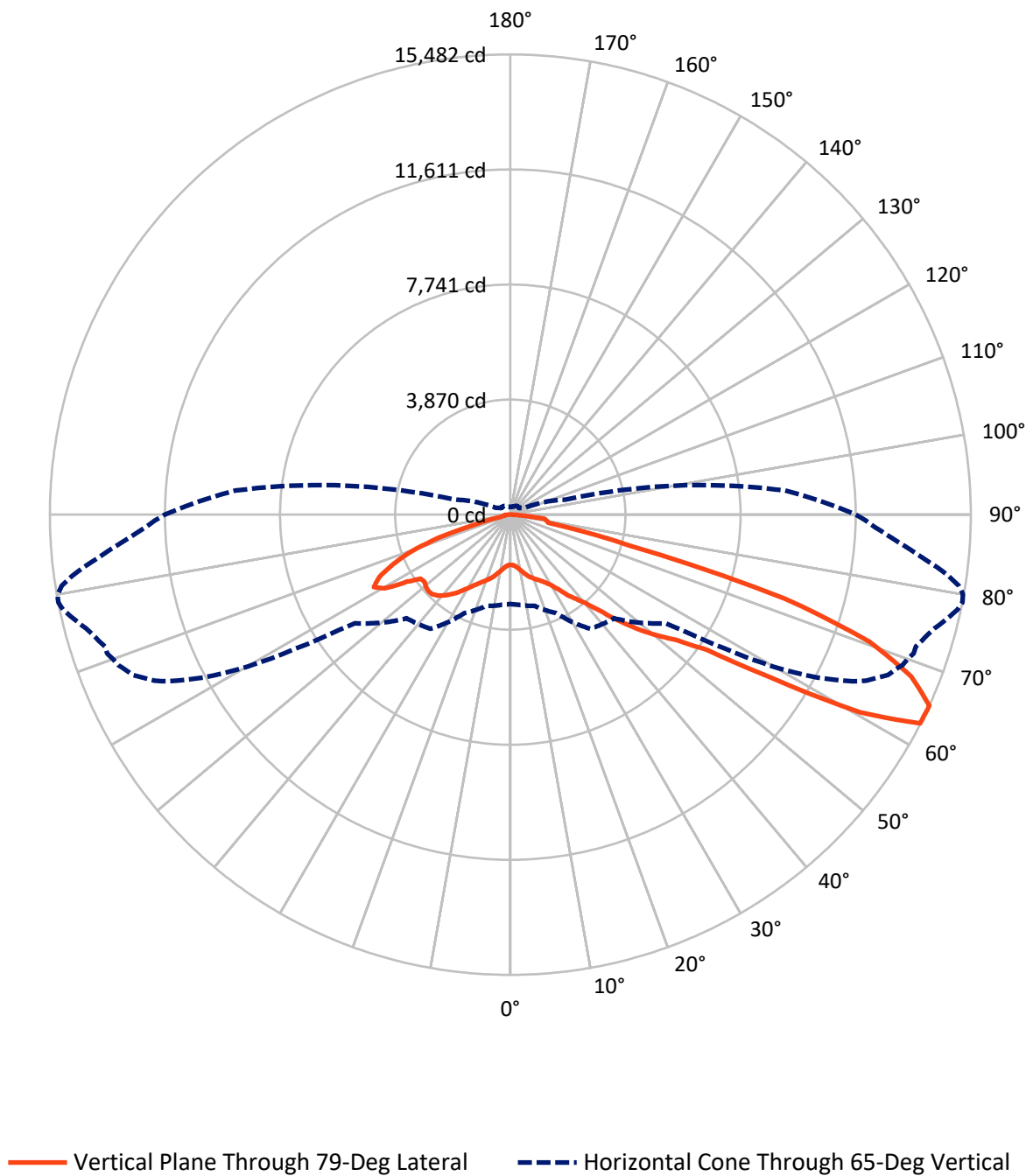


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3547.0	0.0	3547.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	11889.5	0.0	11889.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	15436.6	0.0	15436.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	1.1
10°-20°	542.7	3.5
20°-30°	935.6	6.1
30°-40°	1532.5	9.9
40°-50°	2566.4	16.6
50°-60°	3471.4	22.5
60°-70°	4275.0	27.7
70°-80°	1654.8	10.7
80°-90°	291.0	1.9
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°	15436.6	100.0
0°-180°	15436.6	100.0

Coefficient of Utilization



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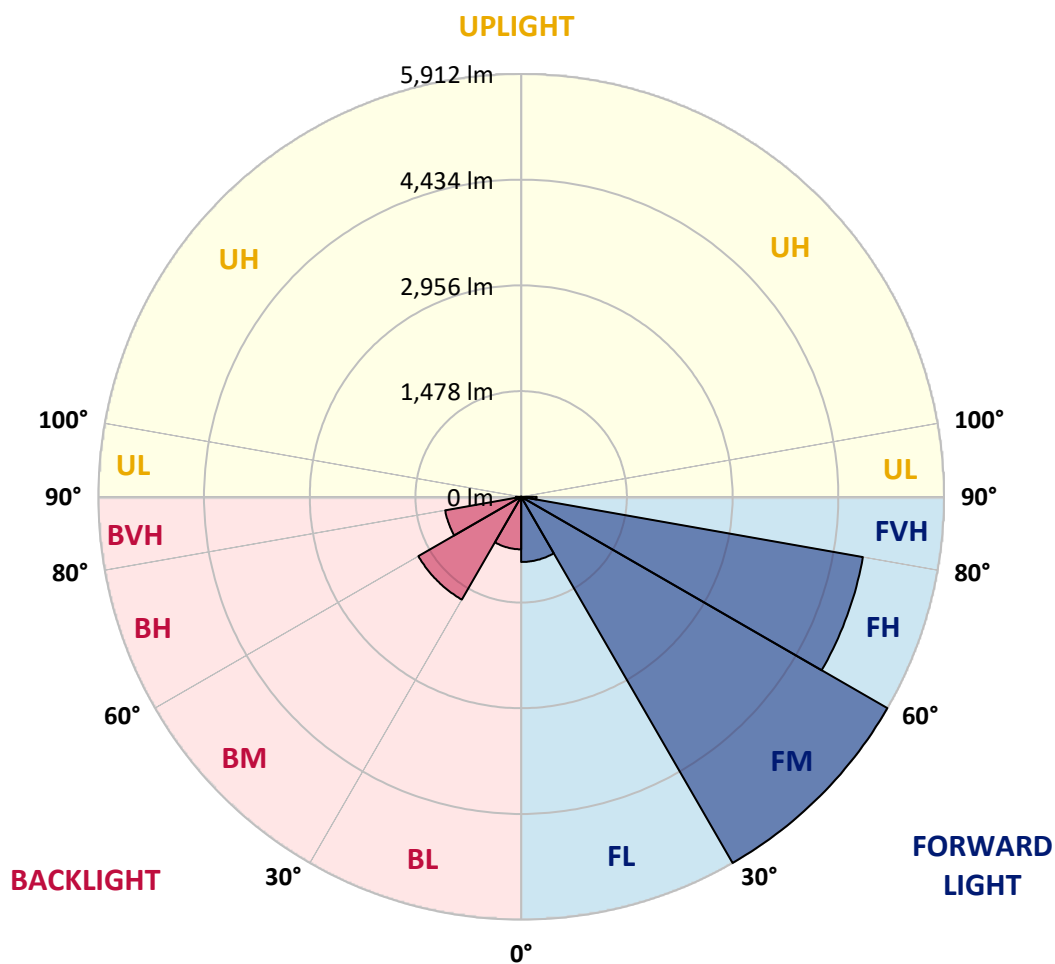
CATALOG NUMBER: VST-E05-LED-E-U-SL2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	911.3	5.9			
FM	(30°-60°)	5911.5	38.3			
FH	(60°-80°)	4850.7	31.4			G2/5000
FVH	(80°-90°)	215.9	1.4			G2/225
BL	(0°-30°)	734.1	4.8	B2/1000		
BM	(30°-60°)	1658.8	10.7	B2/2500		
BH	(60°-80°)	1079.1	7.0	B3/2500		G3/2500
BVH	(80°-90°)	75.1	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0
2.5°	1692.0	1686.9	1692.0	1696.2	1699.2	1703.3	1702.3	1701.3	1700.3	1701.3	1701.3
5°	1706.4	1705.4	1710.5	1714.6	1721.8	1726.9	1733.1	1733.1	1733.1	1732.1	1734.1
7.5°	1752.6	1751.6	1756.7	1760.8	1767.0	1777.2	1785.4	1789.5	1788.5	1788.5	1788.5
10°	1828.5	1824.4	1824.4	1824.4	1832.6	1839.8	1858.3	1860.3	1864.4	1862.4	1863.4
12.5°	1902.4	1903.4	1900.3	1897.3	1898.3	1912.7	1939.3	1944.5	1945.5	1948.6	1950.6
15°	1969.1	1968.1	1960.9	1953.7	1962.9	1987.6	2022.5	2031.7	2031.7	2037.8	2041.9
17.5°	2030.7	2028.6	2015.3	2003.0	2012.2	2054.3	2108.6	2114.8	2124.0	2127.1	2131.2
20°	2103.5	2099.4	2084.0	2051.2	2051.2	2108.6	2180.5	2186.6	2194.8	2196.9	2204.1
22.5°	2205.1	2194.8	2162.0	2102.5	2086.1	2152.8	2241.0	2244.1	2250.2	2258.5	2264.6
25°	2320.0	2322.1	2268.7	2165.1	2129.2	2198.9	2299.5	2304.6	2315.9	2322.1	2329.3
27.5°	2439.1	2442.1	2382.6	2253.3	2192.8	2262.6	2378.5	2384.7	2398.0	2405.2	2416.5
30°	2574.5	2578.6	2521.1	2390.8	2298.5	2355.9	2495.5	2511.9	2523.2	2532.4	2550.9
32.5°	2899.8	2875.1	2835.1	2696.6	2550.9	2546.8	2684.3	2702.8	2718.2	2737.6	2755.1
35°	3309.2	3324.6	3345.1	3251.7	3123.5	3030.1	3041.4	3031.1	3045.5	3074.2	3091.7
37.5°	3633.4	3667.3	3756.6	3817.1	3812.0	3793.5	3621.1	3621.1	3630.4	3615.0	3612.9
40°	3887.9	3909.5	4092.1	4327.1	4525.1	4622.6	4486.1	4466.6	4476.9	4397.9	4401.0
42.5°	4019.3	4051.1	4313.7	4726.2	5119.2	5432.2	5390.1	5376.8	5346.0	5326.5	5314.2
45°	4086.0	4123.9	4436.9	5003.3	5575.9	6059.2	6276.7	6274.6	6246.9	6224.4	6214.1
47.5°	4052.1	4084.9	4418.4	5087.4	5816.0	6463.4	6944.7	6974.4	6966.2	6999.1	7012.4
50°	3830.5	3872.5	4207.0	4905.8	5715.4	6622.5	7407.5	7462.9	7537.8	7585.0	7647.6
52.5°	3630.4	3665.2	3966.9	4611.3	5385.0	6493.2	7686.6	7800.5	7903.1	7999.5	8074.4
55°	3421.0	3455.9	3720.7	4305.5	5051.5	6111.5	7813.8	7980.0	8140.1	8303.2	8453.1
57.5°	3342.0	3379.0	3576.0	4068.5	4778.6	5732.9	7876.4	8149.3	8410.0	8687.0	8974.3
60°	3547.2	3580.1	3729.9	4074.7	4570.3	5354.2	7750.2	8179.1	8627.5	9084.1	9525.3
62.5°	3484.7	3502.1	3688.8	4223.4	4836.0	4980.7	7203.3	7769.7	8421.2	9090.3	9766.5
65°	3006.5	3040.4	3180.9	3650.9	4687.2	4930.4	6370.1	6939.6	7708.1	8499.2	9405.3
67.5°	2156.9	2109.7	2218.4	2629.9	3636.5	4922.2	5432.2	5853.9	6456.3	7062.7	7805.6
70°	979.9	957.4	1042.5	1367.8	2193.8	3890.0	4592.8	4735.5	4959.2	5367.6	5869.3
72.5°	386.8	385.8	441.2	565.4	1037.4	2503.7	3862.3	3944.3	4023.4	4200.9	4417.4
75°	253.4	253.4	269.9	304.8	511.0	1208.8	3267.1	3342.0	3463.1	3513.4	3605.7
77.5°	190.9	191.9	199.1	207.3	282.2	636.2	2305.7	2571.4	2776.6	2929.5	3041.4
80°	135.4	141.6	154.9	160.1	183.7	362.2	1303.2	1495.0	1726.9	1974.2	2285.1
82.5°	101.6	108.8	131.3	137.5	145.7	206.2	588.0	667.0	778.8	1009.7	1451.9
85°	47.2	52.3	90.3	98.5	105.7	119.0	298.6	333.5	378.6	414.5	483.3
87.5°	7.2	5.1	15.4	21.5	33.9	34.9	102.6	122.1	132.4	159.0	165.2
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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CATALOG NUMBER: VST-E05-LED-E-U-SL2-7060

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0
2.5°	1701.3	1702.3	1703.3	1701.3	1702.3	1702.3	1700.3	1699.2	1699.2	1699.2	1700.3
5°	1734.1	1736.2	1734.1	1735.1	1739.2	1738.2	1736.2	1735.1	1739.2	1740.3	1737.2
7.5°	1792.6	1793.6	1789.5	1794.7	1796.7	1797.7	1797.7	1799.8	1799.8	1802.9	1799.8
10°	1867.5	1867.5	1874.7	1873.7	1874.7	1876.7	1877.8	1881.9	1885.0	1885.0	1887.0
12.5°	1953.7	1954.7	1961.9	1962.9	1967.0	1968.1	1974.2	1970.1	1980.4	1980.4	1983.5
15°	2043.0	2050.2	2051.2	2061.4	2063.5	2064.5	2072.7	2072.7	2079.9	2080.9	2083.0
17.5°	2131.2	2137.4	2141.5	2149.7	2156.9	2160.0	2163.0	2169.2	2174.3	2176.4	2181.5
20°	2207.2	2213.3	2217.4	2225.6	2231.8	2236.9	2240.0	2247.2	2252.3	2254.4	2261.5
22.5°	2270.8	2274.9	2282.1	2293.3	2295.4	2301.6	2310.8	2315.9	2318.0	2324.1	2332.3
25°	2338.5	2344.7	2348.8	2359.0	2367.2	2377.5	2385.7	2393.9	2396.0	2404.2	2411.3
27.5°	2428.8	2434.9	2436.0	2456.5	2464.7	2479.1	2488.3	2500.6	2506.8	2514.0	2528.3
30°	2562.2	2576.6	2582.7	2606.3	2610.4	2626.8	2643.2	2647.4	2656.6	2657.6	2681.2
32.5°	2766.4	2786.9	2795.1	2819.7	2825.9	2841.3	2850.5	2872.1	2873.1	2883.4	2888.5
35°	3100.9	3095.8	3127.6	3133.7	3152.2	3165.5	3174.8	3174.8	3194.3	3195.3	3201.4
37.5°	3557.5	3547.2	3555.5	3518.5	3527.8	3511.3	3508.3	3512.4	3504.2	3506.2	3505.2
40°	4288.1	4241.9	4193.7	4079.8	4055.2	4008.0	3971.0	3941.3	3912.5	3881.8	3861.2
42.5°	5204.4	5137.7	5065.9	4883.2	4798.1	4706.7	4617.5	4566.2	4463.6	4401.0	4367.1
45°	6164.8	6086.9	5986.3	5834.4	5713.4	5615.9	5452.7	5375.8	5216.7	5137.7	5031.0
47.5°	6951.9	6952.9	6871.8	6717.9	6588.6	6524.0	6422.4	6273.6	6093.0	5991.4	5801.6
50°	7640.4	7639.4	7634.2	7541.9	7451.6	7380.8	7291.5	7157.1	7009.3	6894.4	6676.9
52.5°	8149.3	8217.1	8245.8	8244.8	8233.5	8200.6	8132.9	8017.0	7867.2	7802.5	7629.1
55°	8570.0	8717.8	8794.7	8963.0	8978.4	9032.8	8973.3	8974.3	8886.1	8892.2	8836.8
57.5°	9207.2	9477.1	9632.1	10004.5	10191.3	10417.0	10377.0	10565.8	10634.6	10721.8	10837.7
60°	9930.6	10434.5	10801.8	11542.7	11844.3	12209.6	12410.7	12625.2	12781.2	12941.2	13059.2
62.5°	10447.8	11109.6	11713.0	12768.9	13160.8	13545.6	13799.1	14058.7	14234.1	14349.1	14434.2
65°	10236.4	10968.0	11681.2	12788.4	13215.2	13494.3	13796.0	13945.8	14121.3	14216.7	14338.8
67.5°	8698.3	9432.0	10196.4	11502.6	11949.0	12334.8	12569.8	12763.7	12905.3	13026.4	13167.0
70°	6468.6	7271.0	8061.1	9493.5	10056.9	10614.0	10891.1	11131.2	11279.0	11401.1	11556.0
72.5°	4655.4	5158.2	5651.8	7255.6	7818.9	8539.2	8826.6	9093.3	9285.2	9279.1	9443.2
75°	3706.3	3910.5	4130.1	4958.1	5362.4	5969.9	6131.0	6280.8	6190.5	6017.1	6006.8
77.5°	3085.5	3169.6	3243.5	3503.1	3562.6	3707.3	3627.3	3544.2	3276.4	3050.6	2931.6
80°	2504.7	2671.0	2779.7	2964.4	3040.4	3083.4	3094.7	3066.0	2967.5	2831.0	2613.5
82.5°	1862.4	2178.4	2393.9	2757.1	2890.5	2918.2	2971.6	2938.8	2874.1	2763.3	2607.3
85°	545.9	617.7	708.0	960.4	1125.6	1266.2	1409.9	1480.7	1524.8	1463.2	1302.1
87.5°	191.9	216.5	242.2	333.5	355.0	428.9	420.7	496.6	499.7	521.3	498.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0
2.5°	1699.2	1699.2	1699.2	1700.3	1700.3	1700.3	1698.2	1697.2	1698.2	1700.3	1700.3
5°	1739.2	1740.3	1742.3	1738.2	1739.2	1742.3	1740.3	1739.2	1740.3	1742.3	1740.3
7.5°	1803.9	1804.9	1802.9	1807.0	1807.0	1809.0	1812.1	1809.0	1810.0	1811.1	1812.1
10°	1888.0	1889.1	1891.1	1894.2	1895.2	1897.3	1899.3	1902.4	1902.4	1900.3	1905.5
12.5°	1988.6	1987.6	1989.6	1993.7	1995.8	1998.9	2005.0	2005.0	2009.1	2008.1	2013.2
15°	2087.1	2092.2	2093.3	2100.4	2103.5	2108.6	2115.8	2119.9	2119.9	2126.1	2128.1
17.5°	2185.6	2189.7	2193.8	2200.0	2204.1	2207.2	2215.4	2220.5	2219.5	2230.8	2230.8
20°	2261.5	2269.7	2274.9	2279.0	2286.2	2291.3	2297.5	2303.6	2307.7	2314.9	2316.9
22.5°	2335.4	2340.5	2347.7	2352.9	2361.1	2367.2	2374.4	2379.5	2386.7	2396.0	2399.0
25°	2417.5	2425.7	2433.9	2441.1	2447.3	2454.4	2466.8	2478.0	2488.3	2496.5	2499.6
27.5°	2531.4	2540.6	2553.0	2558.1	2567.3	2573.5	2591.9	2606.3	2611.4	2625.8	2629.9
30°	2685.3	2695.6	2707.9	2714.0	2730.5	2738.7	2758.2	2773.6	2778.7	2796.1	2799.2
32.5°	2908.0	2914.1	2938.8	2937.7	2960.3	2983.9	2995.2	3007.5	3030.1	3039.3	3042.4
35°	3216.8	3231.2	3248.6	3247.6	3276.4	3289.7	3312.3	3325.6	3342.0	3341.0	3358.4
37.5°	3515.4	3520.6	3526.7	3540.1	3560.6	3579.1	3587.3	3600.6	3612.9	3631.4	3654.0
40°	3840.7	3853.0	3854.1	3861.2	3871.5	3895.1	3910.5	3924.9	3966.9	3993.6	4006.9
42.5°	4328.1	4325.0	4304.5	4317.9	4324.0	4359.9	4371.2	4415.3	4462.5	4519.0	4534.4
45°	4955.1	4914.0	4901.7	4896.6	4929.4	4947.9	4994.1	5076.1	5125.4	5178.8	5204.4
47.5°	5726.7	5598.4	5537.9	5524.6	5558.4	5637.4	5652.8	5733.9	5798.5	5837.5	5863.2
50°	6499.4	6398.8	6271.6	6228.5	6219.2	6292.1	6309.5	6377.2	6442.9	6454.2	6440.9
52.5°	7470.0	7305.9	7095.5	7019.6	6959.0	6964.2	6978.5	7007.3	7049.3	7031.9	6996.0
55°	8711.6	8524.9	8421.2	8277.6	8186.3	8169.9	8107.3	8021.1	8018.0	8029.3	7921.5
57.5°	10779.2	10701.3	10745.4	10730.0	10639.7	10694.1	10411.9	10331.9	10268.2	10157.4	10057.9
60°	13163.9	13243.9	13335.3	13545.6	13536.4	13747.8	13551.8	13502.5	13443.0	13101.3	12934.1
62.5°	14583.0	14614.8	14749.2	14945.2	15138.1	15340.3	15431.6	15463.4	15339.3	15060.1	14711.3
65°	14335.7	14476.3	14606.6	14775.9	14974.0	15176.1	15369.0	15481.9	15453.1	15268.4	14884.7
67.5°	13212.1	13359.9	13550.7	13728.3	13941.7	14117.2	14328.5	14535.8	14542.0	14449.6	14182.8
70°	11572.4	11743.8	11940.8	12040.3	12271.2	12430.2	12605.7	12810.9	12877.6	12888.9	12578.0
72.5°	9408.4	9480.2	9576.6	9524.3	9570.5	9672.1	9624.9	9641.3	9387.8	9435.0	9051.3
75°	5729.8	5664.1	5372.7	5106.9	4782.7	4533.3	4592.8	4116.7	3647.8	3624.2	3285.6
77.5°	2905.9	2801.3	2620.7	2432.9	2157.9	1842.9	1580.2	1297.0	1057.9	921.4	791.1
80°	2475.0	2401.1	2301.6	2165.1	1965.0	1732.1	1458.1	1242.6	1042.5	834.2	668.0
82.5°	2368.3	2142.5	1997.8	1883.9	1667.4	1451.9	1302.1	1154.4	1012.8	884.5	700.8
85°	1174.9	1039.4	879.4	779.8	600.3	470.0	440.2	362.2	337.6	260.6	219.6
87.5°	395.1	323.2	241.1	203.2	162.1	132.4	130.3	115.9	114.9	104.7	96.5
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0
2.5°	1699.2	1701.3	1701.3	1699.2	1700.3	1698.2	1699.2	1700.3	1697.2	1696.2	1693.1
5°	1741.3	1740.3	1740.3	1741.3	1744.4	1745.4	1740.3	1742.3	1743.4	1738.2	1726.9
7.5°	1811.1	1811.1	1814.2	1813.1	1819.3	1817.2	1816.2	1816.2	1816.2	1805.9	1787.5
10°	1905.5	1905.5	1908.6	1912.7	1913.7	1911.6	1911.6	1912.7	1917.8	1897.3	1868.5
12.5°	2011.2	2016.3	2015.3	2015.3	2027.6	2024.5	2020.4	2024.5	2029.6	2000.9	1959.9
15°	2129.2	2132.2	2134.3	2141.5	2139.4	2146.6	2148.7	2146.6	2151.7	2114.8	2046.1
17.5°	2235.9	2242.0	2244.1	2252.3	2252.3	2253.3	2261.5	2258.5	2259.5	2217.4	2118.9
20°	2324.1	2330.3	2333.4	2342.6	2344.7	2348.8	2351.8	2353.9	2359.0	2308.7	2178.4
22.5°	2412.4	2417.5	2422.6	2428.8	2437.0	2442.1	2446.2	2448.3	2457.5	2399.0	2234.9
25°	2510.9	2522.2	2527.3	2537.6	2545.8	2554.0	2560.1	2561.2	2576.6	2503.7	2281.0
27.5°	2642.2	2657.6	2665.8	2682.2	2690.4	2698.7	2696.6	2708.9	2730.5	2623.8	2316.9
30°	2814.6	2834.1	2839.2	2855.7	2869.0	2877.2	2886.4	2896.7	2911.1	2757.1	2334.4
32.5°	3054.7	3084.5	3091.7	3100.9	3120.4	3134.8	3140.9	3157.3	3161.4	2883.4	2329.3
35°	3384.1	3370.8	3405.6	3413.9	3441.6	3452.8	3460.0	3481.6	3465.2	3020.9	2295.4
37.5°	3681.7	3677.6	3711.4	3729.9	3765.8	3757.6	3775.0	3789.4	3730.9	3118.3	2232.8
40°	4044.9	4039.8	4087.0	4093.1	4148.5	4136.2	4143.4	4154.7	4024.4	3186.1	2118.9
42.5°	4551.8	4553.9	4604.1	4610.3	4617.5	4640.0	4603.1	4605.2	4336.3	3204.5	1931.1
45°	5219.8	5255.7	5224.9	5226.0	5223.9	5180.8	5134.6	5080.2	4660.6	3140.9	1689.0
47.5°	5867.3	5842.6	5803.7	5767.7	5738.0	5670.3	5602.5	5510.2	4940.7	2990.1	1419.1
50°	6421.4	6366.0	6331.1	6231.5	6160.7	6072.5	5978.1	5872.4	5170.5	2772.5	1166.7
52.5°	6936.5	6879.0	6748.7	6645.1	6543.5	6426.5	6316.7	6192.5	5373.7	2524.2	973.8
55°	7792.2	7742.0	7611.7	7421.8	7296.6	7135.5	6990.9	6822.6	5785.2	2323.1	846.5
57.5°	9783.9	9740.8	9466.8	9346.8	9181.6	8777.3	8717.8	8455.1	6888.2	2299.5	771.6
60°	12588.3	12403.6	12175.8	11847.4	11460.6	11327.2	11029.6	10679.7	8663.4	2364.1	711.1
62.5°	14310.1	13889.4	13554.9	13176.2	12820.2	12514.4	12189.1	11843.3	9571.5	2279.0	636.2
65°	14439.4	13944.8	13502.5	13058.2	12658.0	12277.4	11961.3	11615.5	9276.0	1958.8	538.7
67.5°	13727.2	13206.0	12723.7	12219.9	11815.6	11471.9	11069.6	10737.2	8442.8	1524.8	448.4
70°	12258.9	11801.2	11385.7	10842.9	10507.3	10088.7	9833.2	9417.6	7359.2	1039.4	370.4
72.5°	8829.6	8484.9	8349.4	7970.8	7531.6	7285.3	7167.3	6764.1	5438.4	645.4	302.7
75°	2982.9	3068.1	2873.1	2574.5	2720.2	2495.5	2586.8	2394.9	2300.5	370.4	254.5
77.5°	661.8	621.8	574.6	533.6	530.5	498.7	528.4	499.7	534.6	236.0	224.7
80°	522.3	412.5	350.9	320.1	303.7	294.5	287.3	279.1	254.5	201.1	207.3
82.5°	564.4	425.8	311.9	249.3	213.4	200.1	197.0	188.8	186.8	195.0	209.3
85°	180.6	150.8	128.3	121.1	111.8	106.7	104.7	101.6	123.1	212.4	201.1
87.5°	94.4	83.1	73.9	70.8	61.6	57.5	56.4	57.5	86.2	212.4	145.7
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0	1689.0
2.5°	1690.0	1689.0	1686.9	1685.9	1684.9	1679.7	1683.8
5°	1721.8	1711.5	1702.3	1691.0	1684.9	1679.7	1679.7
7.5°	1770.0	1741.3	1717.7	1692.0	1674.6	1661.3	1659.2
10°	1830.6	1775.2	1720.8	1674.6	1641.8	1617.1	1614.1
12.5°	1888.0	1803.9	1717.7	1641.8	1590.5	1555.6	1553.5
15°	1941.4	1819.3	1694.1	1582.3	1505.3	1459.1	1454.0
17.5°	1983.5	1810.0	1640.7	1499.1	1394.5	1340.1	1337.0
20°	1992.7	1773.1	1564.8	1396.5	1285.7	1228.2	1214.9
22.5°	1984.5	1706.4	1470.4	1283.7	1156.4	1099.0	1091.8
25°	1959.9	1625.4	1353.4	1152.3	1034.3	975.8	961.5
27.5°	1915.7	1529.9	1227.2	1025.1	908.1	851.7	837.3
30°	1850.1	1415.0	1092.8	906.1	785.0	739.8	725.5
32.5°	1758.7	1275.4	960.4	783.9	683.4	647.5	641.3
35°	1632.5	1115.4	821.9	683.4	609.5	588.0	584.9
37.5°	1471.4	955.3	706.0	611.6	558.2	544.9	542.8
40°	1261.1	791.1	623.9	560.3	521.3	510.0	507.9
42.5°	1044.6	668.0	563.3	519.2	487.4	477.1	474.1
45°	854.7	584.9	518.2	485.3	455.6	444.3	443.3
47.5°	713.1	536.7	481.2	454.6	424.8	411.5	412.5
50°	609.5	492.5	450.5	427.9	394.0	381.7	382.7
52.5°	538.7	448.4	421.7	396.1	367.3	355.0	355.0
55°	483.3	412.5	394.0	366.3	343.7	332.5	331.4
57.5°	438.1	383.8	367.3	344.8	322.2	308.9	308.9
60°	410.4	363.2	349.9	329.4	302.7	288.3	287.3
62.5°	394.0	357.1	345.8	317.1	287.3	272.9	269.9
65°	381.7	371.5	357.1	309.9	275.0	259.6	256.5
67.5°	382.7	405.3	384.8	314.0	270.9	248.3	244.2
70°	388.9	432.0	404.3	323.2	288.3	243.2	234.0
72.5°	358.1	390.9	364.3	307.8	281.2	234.0	222.7
75°	298.6	285.3	261.7	250.4	252.4	212.4	208.3
77.5°	242.2	212.4	189.8	199.1	212.4	181.6	177.5
80°	210.4	172.4	161.1	176.5	192.9	154.9	144.7
82.5°	197.0	145.7	138.5	183.7	202.1	133.4	117.0
85°	173.4	119.0	108.8	216.5	202.1	100.6	93.4
87.5°	115.9	70.8	67.7	159.0	138.5	69.8	56.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)