

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: P181668

Luminaire Tested: **ICM-E06-LED-E1-T4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181668
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: ICM-E06-LED-E1-T4-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15405.8 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
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

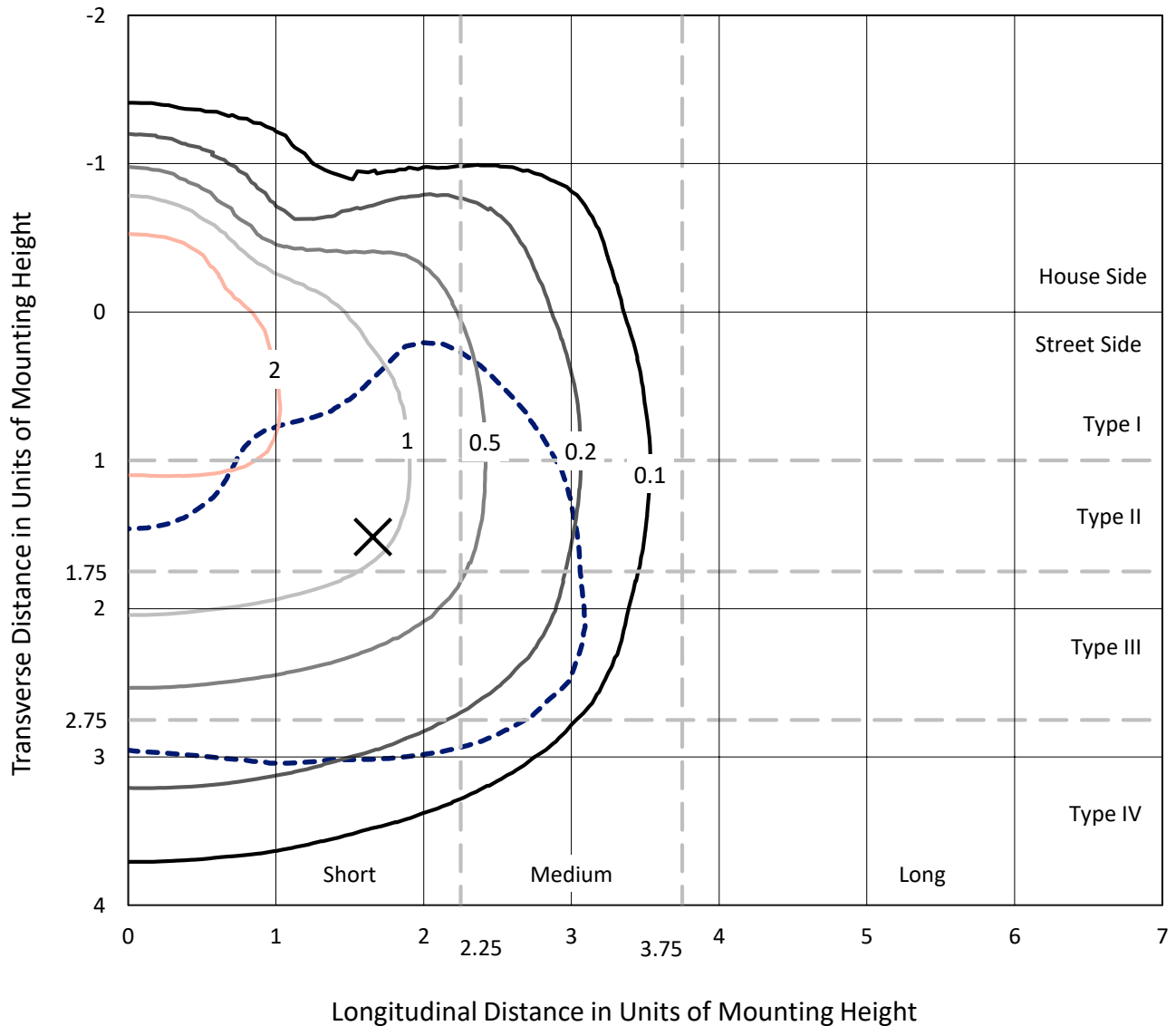


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

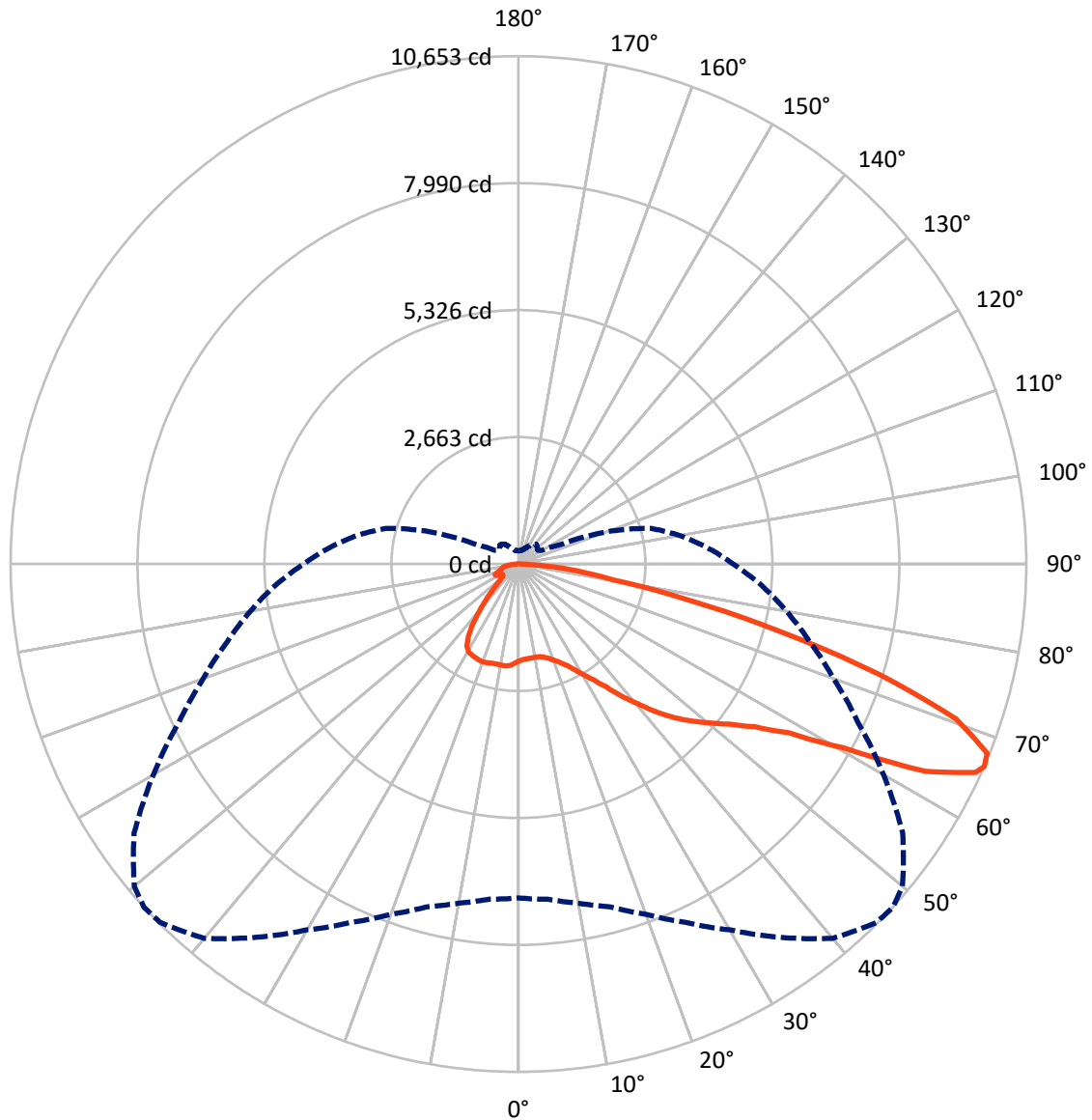


Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - Semi-Cutoff

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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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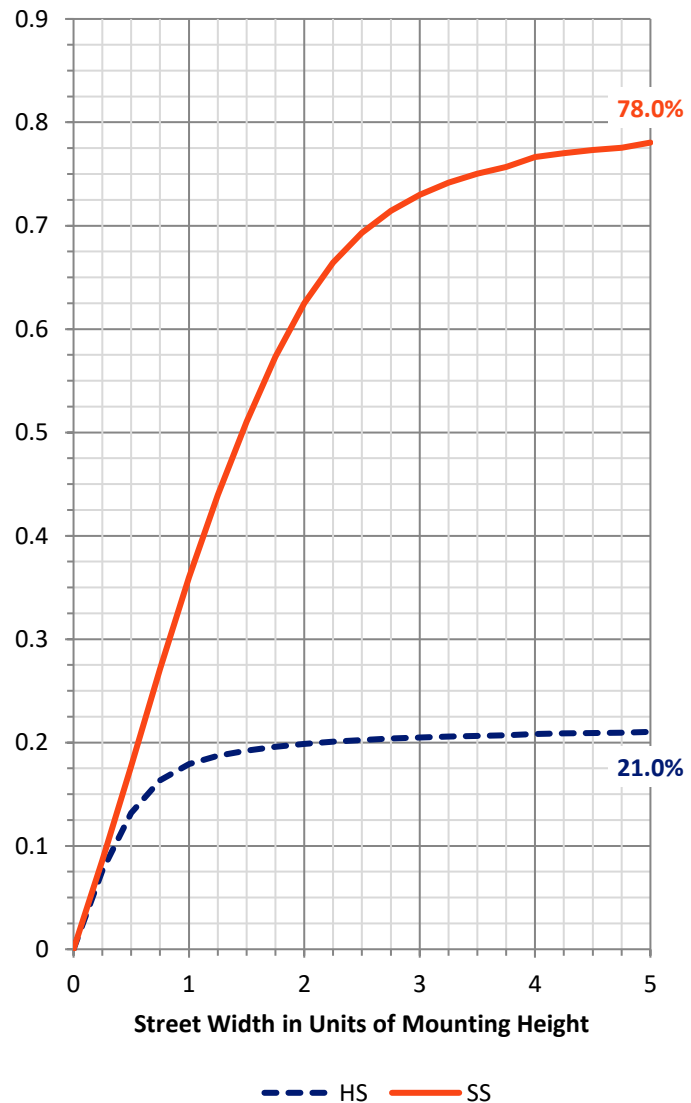
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3287.2	0.0	3287.2
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	12118.5	0.0	12118.5
	% Fixture	78.7	0.0	78.7
Total	Lumens	15405.8	0.0	15405.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	1.3
10°-20°	598.7	3.9
20°-30°	1031.2	6.7
30°-40°	1560.1	10.1
40°-50°	2022.2	13.1
50°-60°	2787.9	18.1
60°-70°	4331.5	28.1
70°-80°	2518.8	16.3
80°-90°	358.2	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°	15405.8	100.0
0°-180°	15405.8	100.0

Coefficient of Utilization



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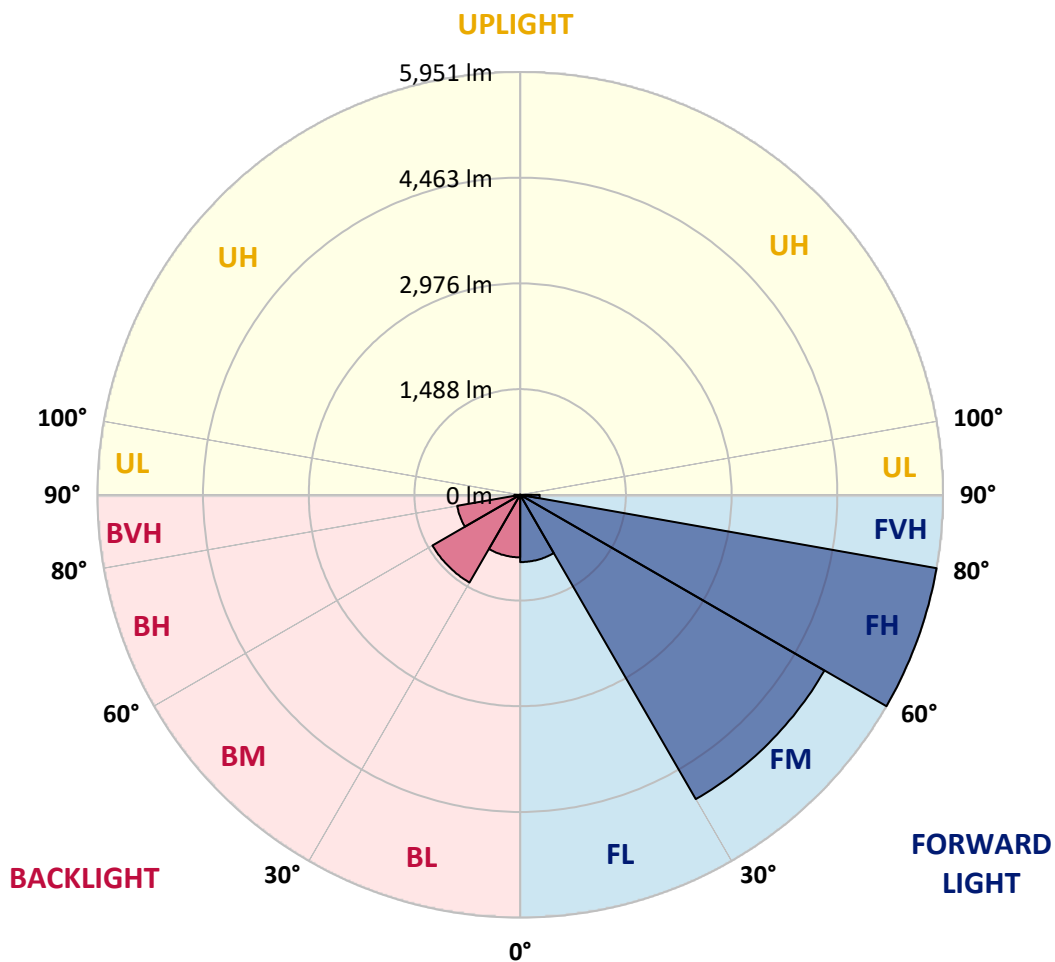
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	947.2	6.1			
FM	(30°-60°)	4945.2	32.1			
FH	(60°-80°)	5951.3	38.6			G3/7500
FVH	(80°-90°)	274.9	1.8			G3/500
BL	(0°-30°)	879.9	5.7	B2/1000		
BM	(30°-60°)	1425.0	9.2	B2/2500		
BH	(60°-80°)	899.0	5.8	B2/1000		G2/1000
BVH	(80°-90°)	83.3	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°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	1993.2	2000.0	1994.9	1996.7	1996.7	1998.3	1998.3	2000.0	1998.3	2003.5	2003.5	2006.8
5°	1957.6	1960.9	1959.3	1962.6	1966.1	1972.8	1971.2	1979.6	1981.3	1986.4	1986.4	1994.9
7.5°	1943.9	1940.6	1942.2	1947.4	1950.8	1954.2	1957.6	1964.4	1969.4	1981.3	1981.3	1988.1
10°	1957.6	1955.8	1957.6	1960.9	1960.9	1962.6	1959.3	1966.1	1969.4	1979.6	1979.6	1986.4
12.5°	2013.6	2013.6	2010.2	2010.2	2006.8	2003.5	1994.9	1989.9	1988.1	1989.9	1989.9	1993.2
15°	2103.7	2100.3	2093.5	2088.4	2081.6	2069.7	2057.8	2047.6	2040.8	2030.6	2030.6	2027.3
17.5°	2192.0	2187.0	2180.2	2173.4	2164.9	2152.9	2134.2	2122.3	2103.7	2091.8	2091.8	2085.0
20°	2294.0	2283.8	2275.4	2266.8	2249.9	2246.4	2227.7	2207.4	2185.2	2158.1	2158.1	2154.7
22.5°	2426.5	2409.6	2399.4	2394.2	2377.3	2372.2	2341.6	2312.7	2285.5	2249.9	2249.9	2241.3
25°	2560.8	2543.8	2538.7	2531.9	2520.0	2513.2	2484.3	2452.0	2416.4	2367.1	2367.1	2356.9
27.5°	2691.6	2693.3	2679.7	2684.9	2681.4	2669.5	2640.7	2608.4	2581.2	2523.5	2523.5	2511.6
30°	2854.8	2844.6	2837.8	2848.0	2836.1	2837.8	2812.3	2795.3	2751.1	2717.1	2717.1	2693.3
32.5°	3024.7	3023.0	3033.2	3040.0	3038.3	3034.9	3014.5	2997.5	2958.4	2909.1	2909.1	2899.0
35°	3257.5	3267.6	3276.2	3306.8	3306.8	3328.9	3308.5	3288.1	3242.2	3182.7	3182.7	3162.3
37.5°	3415.6	3418.9	3453.0	3493.7	3544.7	3592.2	3605.9	3610.9	3592.2	3548.1	3548.1	3517.5
40°	3559.9	3566.7	3621.1	3684.0	3758.8	3852.2	3908.3	3933.8	3938.9	3918.5	3918.5	3852.2
42.5°	3704.4	3714.6	3770.6	3862.4	3966.1	4085.0	4183.6	4246.4	4282.2	4282.2	4282.2	4243.1
45°	3872.7	3886.3	3947.4	4047.7	4168.3	4317.8	4453.8	4574.4	4632.2	4635.6	4635.6	4598.3
47.5°	4071.5	4083.4	4154.7	4256.7	4380.7	4531.9	4703.6	4841.2	4948.3	4955.1	4955.1	4924.5
50°	4328.0	4345.0	4404.5	4496.2	4623.7	4776.7	4948.3	5140.3	5252.4	5279.7	5279.7	5247.4
52.5°	4667.8	4671.3	4720.6	4805.5	4929.6	5075.8	5257.5	5466.5	5614.4	5636.5	5636.5	5583.8
55°	5136.9	5131.8	5164.0	5255.8	5349.3	5463.1	5651.8	5886.3	6051.1	6085.1	6085.1	6030.7
57.5°	5774.1	5769.0	5796.2	5818.3	5993.3	6103.8	6289.0	6513.2	6673.1	6771.6	6771.6	6678.1
60°	6761.3	6756.3	6800.5	6929.6	7060.4	7221.9	7402.0	7670.5	7894.8	7923.7	7923.7	7832.0
62.5°	7476.8	7502.3	7599.1	7750.4	8015.4	8331.5	8661.2	9014.6	9475.1	9621.3	9621.3	9577.1
65°	7227.0	7278.0	7412.2	7641.6	7995.0	8431.8	8948.3	9589.0	10205.8	10550.8	10550.8	10540.5
66°	7002.6	7058.7	7223.6	7444.5	7818.3	8295.9	8860.0	9558.4	10248.2	10628.9	10628.9	10652.7
67.5°	6594.8	6657.7	6819.1	7080.9	7444.5	7952.6	8559.2	9318.8	10098.8	10542.3	10542.3	10605.1
70°	5801.3	5872.7	5989.9	6205.7	6564.2	7018.0	7656.9	8336.6	9153.9	9662.0	9662.0	9738.5
72.5°	4849.7	4912.6	5043.4	5220.1	5514.1	5799.6	6300.9	6802.2	7386.7	7966.2	7966.2	7910.1
75°	3481.8	3509.0	3587.2	3779.2	3937.2	4193.8	4596.5	5007.8	5407.1	5672.1	5672.1	5709.5
77.5°	1809.7	1881.1	1991.5	2203.9	2375.5	2606.7	2868.4	3177.6	3469.9	3712.9	3712.9	3646.6
80°	1184.4	1215.0	1313.5	1422.2	1548.0	1695.8	1870.9	1986.4	2023.8	2008.6	2008.6	2023.8
82.5°	683.1	739.2	870.1	953.3	1046.7	1097.7	1237.0	1369.6	1444.4	1350.9	1350.9	1316.9
85°	86.7	112.2	353.5	445.2	509.8	586.2	628.7	708.6	661.0	591.4	591.4	720.5
87.5°	18.7	17.0	23.8	51.0	52.7	44.2	83.3	88.4	54.4	27.2	27.2	34.0
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°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2010.2	2011.9	2015.4	2020.4	2023.8	2027.3	2030.6	2035.7	2039.1	2042.5	2049.3
5°	2001.8	2008.6	2015.4	2022.2	2030.6	2044.2	2052.8	2059.5	2066.3	2079.9	2085.0
7.5°	1996.7	2008.6	2018.7	2030.6	2044.2	2056.1	2071.4	2079.9	2090.1	2098.6	2108.8
10°	1993.2	2010.2	2020.4	2037.4	2052.8	2064.6	2081.6	2091.8	2103.7	2113.9	2119.0
12.5°	2000.0	2008.6	2018.7	2035.7	2054.4	2071.4	2090.1	2098.6	2108.8	2117.3	2119.0
15°	2028.9	2028.9	2030.6	2044.2	2062.9	2076.5	2091.8	2100.3	2105.4	2110.5	2110.5
17.5°	2081.6	2069.7	2061.2	2062.9	2074.8	2083.3	2091.8	2091.8	2088.4	2086.7	2083.3
20°	2142.8	2127.5	2110.5	2098.6	2095.2	2088.4	2083.3	2066.3	2052.8	2040.8	2032.3
22.5°	2231.2	2207.4	2183.5	2161.5	2141.0	2115.5	2086.7	2052.8	2020.4	1998.3	1984.8
25°	2339.9	2321.2	2292.3	2258.3	2232.9	2185.2	2147.8	2098.6	2057.8	2028.9	2005.1
27.5°	2494.5	2472.4	2445.2	2414.6	2377.3	2324.6	2278.7	2220.9	2171.6	2129.2	2098.6
30°	2686.5	2657.7	2637.2	2599.9	2574.4	2514.9	2469.0	2397.7	2302.5	2234.5	2192.0
32.5°	2883.6	2851.4	2834.3	2805.5	2776.6	2740.9	2671.3	2560.8	2438.4	2328.0	2254.9
35°	3147.0	3113.0	3082.4	3056.9	3014.5	2948.2	2887.1	2754.5	2586.2	2431.6	2309.3
37.5°	3478.4	3422.3	3345.9	3281.3	3206.5	3111.4	3017.9	2882.0	2690.0	2489.4	2326.3
40°	3831.8	3733.3	3624.6	3503.9	3374.7	3237.1	3130.1	2992.4	2776.6	2538.7	2314.4
42.5°	4200.6	4044.2	3893.0	3723.1	3543.0	3379.8	3240.5	3089.2	2841.1	2552.3	2266.8
45°	4565.9	4390.9	4161.5	3938.9	3711.2	3509.0	3352.7	3182.7	2900.7	2557.4	2203.9
47.5°	4868.4	4688.3	4426.6	4147.9	3877.7	3648.3	3464.8	3281.3	2980.5	2593.0	2188.7
50°	5187.8	4968.7	4678.1	4348.4	4042.5	3786.0	3590.5	3400.2	3092.7	2684.9	2238.0
52.5°	5536.2	5284.7	4944.9	4576.1	4241.3	3954.2	3741.8	3546.3	3235.4	2814.0	2331.4
55°	5961.1	5653.4	5284.7	4868.4	4509.9	4192.1	3957.6	3726.5	3405.3	2966.9	2448.7
57.5°	6610.2	6232.9	5818.3	5344.2	4946.5	4571.0	4290.6	4023.8	3668.7	3194.6	2608.4
60°	7784.3	7381.6	6842.9	6268.6	5801.3	5362.9	4951.7	4620.3	4183.6	3643.2	2961.8
62.5°	9466.6	8931.3	8212.5	7408.8	6797.1	6165.0	5701.1	5208.2	4666.2	4083.4	3378.2
65°	10401.2	9752.1	8790.3	7857.4	7070.6	6384.1	5794.5	5223.6	4622.0	4064.7	3475.0
66°	10516.8	9840.4	8841.3	7859.1	7033.3	6328.0	5707.8	5116.5	4501.3	3969.5	3434.3
67.5°	10469.2	9777.5	8747.9	7711.3	6871.9	6114.0	5473.3	4859.9	4246.4	3750.3	3298.3
70°	9689.2	9033.3	8022.3	7018.0	6221.1	5473.3	4861.6	4258.4	3695.9	3271.1	2938.1
72.5°	8046.0	7485.3	6606.7	5818.3	5193.0	4576.1	4057.9	3481.8	3006.0	2691.6	2494.5
75°	5808.1	5468.2	4667.8	4215.8	3667.0	3257.5	2754.5	2412.9	2071.4	1918.4	1884.5
77.5°	3668.7	3211.6	2703.6	2226.1	1830.2	1517.4	1181.0	1002.6	836.0	819.1	988.9
80°	1857.3	1672.1	1288.0	1026.3	863.3	698.4	552.3	418.0	292.3	351.7	421.4
82.5°	1216.7	1014.4	795.3	654.2	569.2	472.4	367.1	254.9	186.9	210.7	288.8
85°	657.6	560.7	452.0	356.8	288.8	258.3	173.3	122.3	120.7	129.1	164.8
87.5°	47.5	47.5	37.4	34.0	40.7	34.0	30.6	30.6	28.9	30.6	40.7
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2052.8	2057.8	2059.5	2068.0	2073.1	2076.5	2079.9	2079.9	2081.6	2086.7	2088.4
5°	2091.8	2100.3	2110.5	2117.3	2120.7	2130.9	2134.2	2134.2	2137.7	2144.5	2149.6
7.5°	2115.5	2127.5	2137.7	2141.0	2147.8	2151.3	2156.4	2159.7	2159.7	2166.5	2170.0
10°	2124.1	2130.9	2141.0	2141.0	2147.8	2147.8	2152.9	2154.7	2154.7	2161.5	2166.5
12.5°	2124.1	2127.5	2136.0	2136.0	2141.0	2142.8	2149.6	2154.7	2156.4	2164.9	2171.6
15°	2113.9	2117.3	2124.1	2125.8	2137.7	2144.5	2159.7	2170.0	2170.0	2178.4	2181.9
17.5°	2085.0	2093.5	2107.1	2120.7	2142.8	2158.1	2176.8	2185.2	2178.4	2173.4	2168.3
20°	2037.4	2052.8	2085.0	2119.0	2158.1	2178.4	2188.7	2180.2	2156.4	2132.6	2117.3
22.5°	1989.9	2020.4	2074.8	2125.8	2170.0	2183.5	2178.4	2147.8	2108.8	2079.9	2059.5
25°	2011.9	2047.6	2100.3	2146.2	2175.1	2171.6	2151.3	2108.8	2066.3	2028.9	1994.9
27.5°	2103.7	2142.8	2171.6	2187.0	2183.5	2159.7	2127.5	2079.9	2028.9	1979.6	1932.1
30°	2190.3	2210.7	2217.5	2205.7	2178.4	2139.4	2098.6	2044.2	1976.3	1915.1	1860.7
32.5°	2229.4	2209.0	2176.8	2144.5	2100.3	2066.3	2010.2	1950.8	1865.8	1792.8	1738.3
35°	2229.4	2147.8	2066.3	1998.3	1932.1	1889.6	1825.0	1745.1	1667.0	1605.8	1563.4
37.5°	2180.2	2023.8	1889.6	1779.2	1695.8	1650.0	1553.1	1481.8	1415.5	1395.1	1367.9
40°	2090.1	1859.0	1665.3	1520.8	1415.5	1347.5	1250.7	1201.4	1175.9	1165.7	1160.6
42.5°	1969.4	1675.5	1417.2	1238.8	1124.9	1048.5	983.9	953.3	951.6	949.9	949.9
45°	1840.3	1478.3	1175.9	963.4	863.3	795.3	764.7	752.7	763.0	761.3	763.0
47.5°	1760.5	1328.8	955.0	729.0	652.6	608.4	593.0	598.1	606.6	603.3	603.3
50°	1750.2	1252.4	807.2	567.5	509.8	487.7	484.3	484.3	489.4	486.0	484.3
52.5°	1787.6	1240.5	730.7	487.7	441.8	423.1	419.7	418.0	416.3	406.1	397.6
55°	1852.2	1267.6	708.6	467.3	419.7	399.4	394.2	390.8	384.0	370.4	355.2
57.5°	1981.3	1352.7	729.0	477.5	426.5	409.5	404.5	404.5	390.8	368.7	346.6
60°	2292.3	1568.4	812.3	516.6	458.8	441.8	445.2	443.5	423.1	390.8	356.8
62.5°	2693.3	1850.5	921.0	571.0	499.5	496.2	513.2	509.8	475.8	426.5	377.2
65°	2878.5	1983.1	951.6	582.9	508.1	523.4	557.4	554.0	511.4	443.5	380.7
66°	2882.0	1983.1	938.0	572.7	496.2	514.9	548.8	547.2	504.7	436.7	373.9
67.5°	2812.3	1928.7	898.9	552.3	472.4	486.0	516.6	514.9	475.8	419.7	360.3
70°	2550.6	1726.4	798.6	516.6	440.1	433.3	443.5	436.7	411.3	372.1	331.4
72.5°	2185.2	1449.5	696.7	489.4	418.0	390.8	384.0	379.0	358.5	336.5	311.0
75°	1721.3	1147.0	611.7	469.0	397.6	362.0	350.0	343.3	329.7	314.3	294.0
77.5°	1062.1	820.7	533.6	441.8	382.3	346.6	338.1	328.0	307.5	288.8	273.6
80°	474.0	508.1	438.4	385.8	341.6	309.3	295.6	280.4	260.0	248.1	239.6
82.5°	316.1	328.0	317.8	288.8	258.3	232.8	212.4	212.4	209.0	198.8	195.4
85°	202.2	203.9	197.1	178.4	166.5	151.3	142.7	144.5	151.3	149.5	147.8
87.5°	45.9	45.9	54.4	51.0	59.4	62.9	68.0	73.0	83.3	83.3	88.4
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°	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2090.1	2093.5	2096.9	2091.8	2093.5
5°	2149.6	2147.8	2156.4	2151.3	2154.7
7.5°	2168.3	2170.0	2176.8	2176.8	2178.4
10°	2170.0	2173.4	2181.9	2187.0	2190.3
12.5°	2178.4	2185.2	2198.9	2202.2	2202.2
15°	2185.2	2188.7	2197.1	2200.6	2203.9
17.5°	2161.5	2154.7	2158.1	2159.7	2158.1
20°	2102.0	2095.2	2093.5	2086.7	2090.1
22.5°	2037.4	2018.7	2006.8	1993.2	1993.2
25°	1959.3	1930.3	1906.6	1882.8	1887.9
27.5°	1886.2	1848.8	1825.0	1809.7	1806.3
30°	1814.8	1775.7	1753.7	1735.0	1735.0
32.5°	1695.8	1668.7	1639.8	1627.9	1626.2
35°	1531.1	1514.1	1490.2	1485.1	1476.7
37.5°	1345.8	1340.8	1320.3	1318.6	1310.1
40°	1152.1	1155.5	1148.7	1145.3	1140.2
42.5°	958.4	975.4	972.0	970.2	966.9
45°	773.1	785.0	786.8	791.8	800.4
47.5°	608.4	611.7	615.2	613.4	615.2
50°	475.8	467.3	465.6	460.5	465.6
52.5°	384.0	370.4	363.6	356.8	353.5
55°	338.1	324.6	317.8	314.3	311.0
57.5°	326.2	312.7	302.5	295.6	294.0
60°	329.7	309.3	295.6	287.2	285.5
62.5°	338.1	311.0	292.3	283.8	282.0
65°	336.5	307.5	290.6	280.4	278.7
66°	331.4	304.2	287.2	278.7	277.0
67.5°	322.9	299.1	283.8	277.0	273.6
70°	307.5	292.3	280.4	271.9	268.5
72.5°	294.0	282.0	271.9	263.4	261.7
75°	278.7	268.5	258.3	251.5	249.8
77.5°	260.0	249.8	243.0	237.9	236.2
80°	229.4	222.6	215.8	209.0	209.0
82.5°	190.3	185.2	178.4	173.3	171.6
85°	146.1	146.1	141.0	135.9	134.2
87.5°	86.7	84.9	84.9	79.9	79.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)