

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: P181667

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181667
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-T4-8030
Description: ICON SITE MEDIUM 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: 14235.9 lumens
Efficiency: N/A
Efficacy: 94.6 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

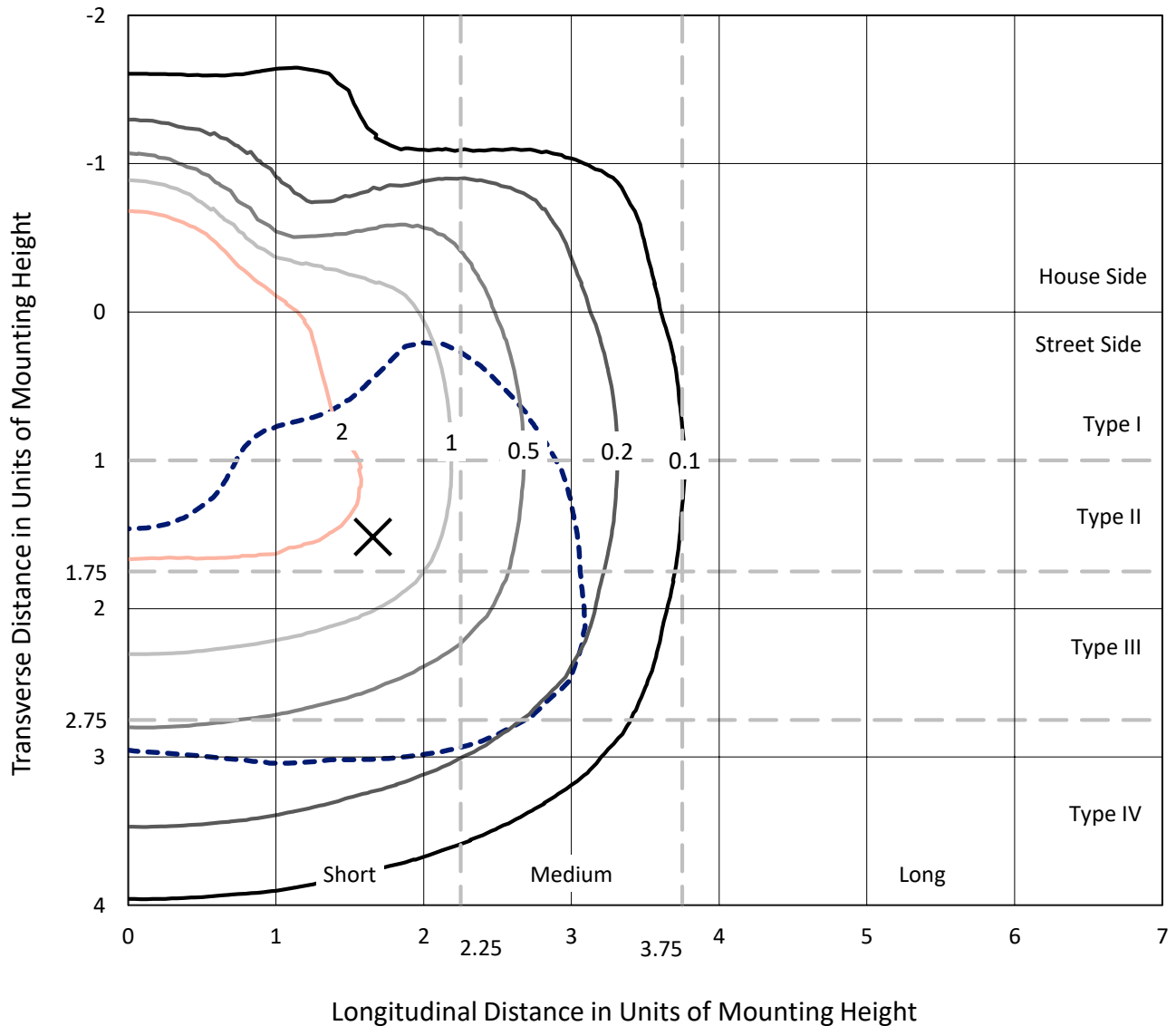
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

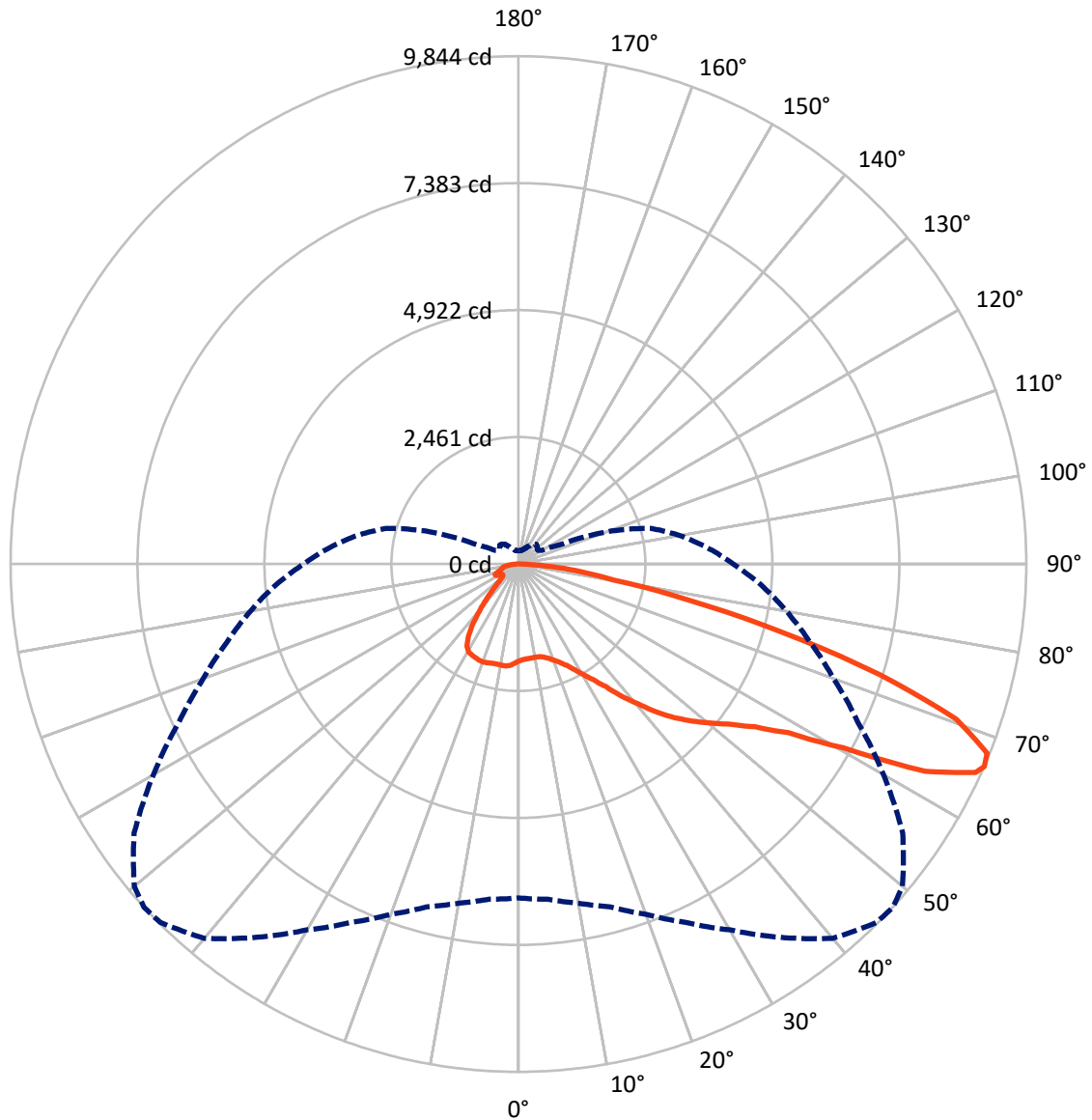


Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - Semi-Cutoff

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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	3037.6	0.0	3037.6
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	11198.3	0.0	11198.3
	% Fixture	78.7	0.0	78.7
Total	Lumens	14235.9	0.0	14235.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	1.3
10°-20°	553.2	3.9
20°-30°	952.9	6.7
30°-40°	1441.7	10.1
40°-50°	1868.6	13.1
50°-60°	2576.2	18.1
60°-70°	4002.6	28.1
70°-80°	2327.5	16.3
80°-90°	331.0	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°	14235.9	100.0
0°-180°	14235.9	100.0



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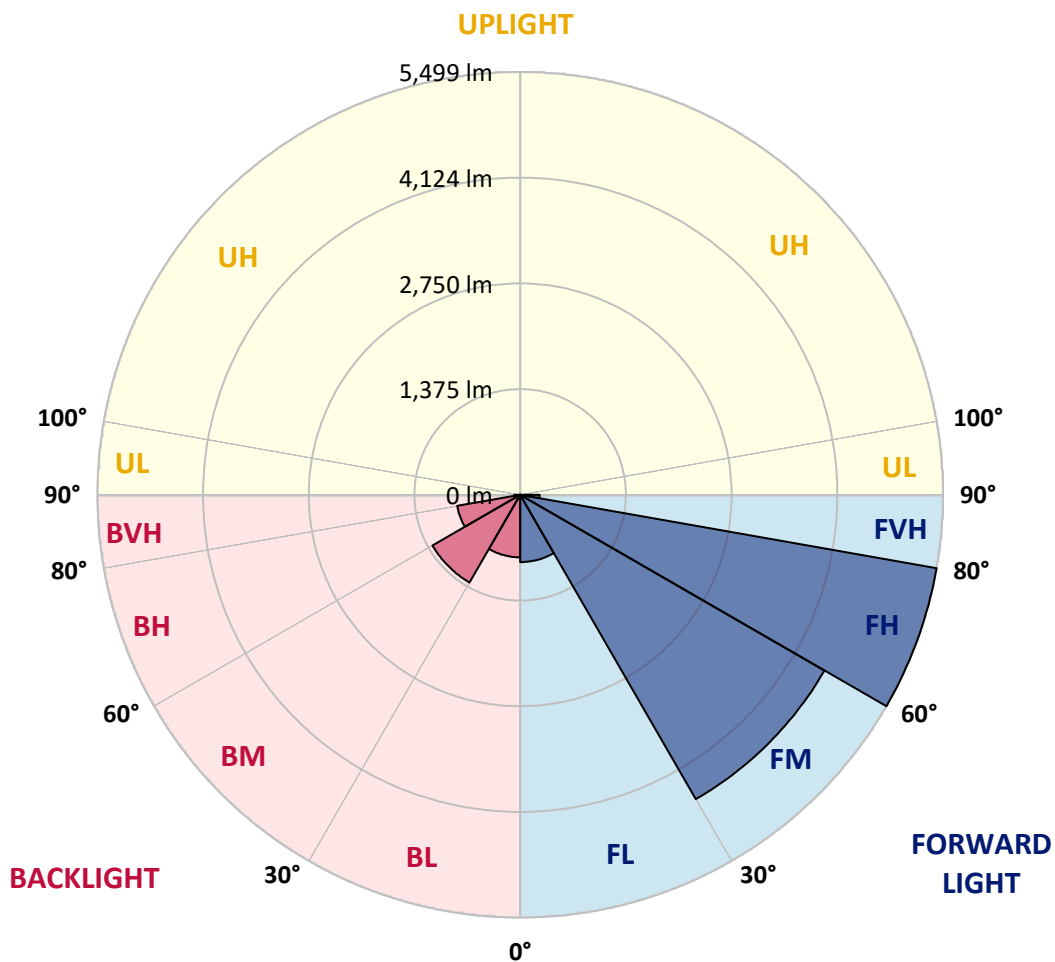
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	875.2	6.1			
FM	(30°-60°)	4569.7	32.1			
FH	(60°-80°)	5499.3	38.6			G3/7500
FVH	(80°-90°)	254.0	1.8			G3/500
BL	(0°-30°)	813.1	5.7	B2/1000		
BM	(30°-60°)	1316.8	9.2	B2/2500		
BH	(60°-80°)	830.8	5.8	B2/1000		G2/1000
BVH	(80°-90°)	77.0	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°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1841.9	1848.2	1843.5	1845.0	1845.0	1846.6	1846.6	1848.2	1846.6	1851.3	1854.4
5°	1808.9	1812.0	1810.4	1813.6	1816.8	1823.0	1821.5	1829.3	1830.9	1835.6	1843.5
7.5°	1796.4	1793.2	1794.8	1799.5	1802.6	1805.8	1808.9	1815.2	1819.9	1830.9	1837.1
10°	1808.9	1807.4	1808.9	1812.0	1812.0	1813.6	1810.4	1816.8	1819.9	1829.3	1835.6
12.5°	1860.8	1860.8	1857.6	1857.6	1854.4	1851.3	1843.5	1838.7	1837.1	1838.7	1841.9
15°	1943.9	1940.8	1934.5	1929.8	1923.5	1912.6	1901.5	1892.1	1885.9	1876.4	1873.3
17.5°	2025.6	2020.8	2014.6	2008.3	2000.5	1989.5	1972.2	1961.2	1943.9	1932.9	1926.7
20°	2119.8	2110.3	2102.5	2094.7	2079.0	2075.8	2058.5	2039.7	2019.3	1994.2	1991.1
22.5°	2242.2	2226.6	2217.1	2212.5	2196.8	2192.0	2163.7	2137.0	2111.9	2079.0	2071.1
25°	2366.3	2350.6	2345.9	2339.6	2328.7	2322.3	2295.6	2265.9	2232.9	2187.4	2177.9
27.5°	2487.3	2488.9	2476.2	2480.9	2477.8	2466.8	2440.1	2410.3	2385.1	2331.8	2320.8
30°	2638.0	2628.6	2622.2	2631.7	2620.7	2622.2	2598.7	2583.0	2542.2	2510.8	2488.9
32.5°	2795.0	2793.4	2802.8	2809.1	2807.6	2804.4	2785.6	2769.9	2733.8	2688.2	2678.8
35°	3010.2	3019.6	3027.4	3055.6	3055.6	3076.1	3057.2	3038.3	2996.0	2941.0	2922.2
37.5°	3156.1	3159.3	3190.7	3228.4	3275.5	3319.5	3332.0	3336.8	3319.5	3278.6	3250.3
40°	3289.6	3295.9	3346.2	3404.2	3473.3	3559.7	3611.6	3635.1	3639.7	3621.0	3559.7
42.5°	3423.1	3432.5	3484.3	3569.1	3664.9	3774.8	3865.9	3924.0	3957.0	3957.0	3920.9
45°	3578.5	3591.1	3647.7	3740.3	3851.7	3990.0	4115.6	4227.0	4280.4	4283.6	4249.0
47.5°	3762.3	3773.2	3839.2	3933.4	4048.0	4187.7	4346.4	4473.6	4572.5	4578.8	4550.5
50°	3999.4	4015.1	4070.0	4154.8	4272.6	4413.9	4572.5	4749.9	4853.6	4878.7	4848.9
52.5°	4313.4	4316.6	4362.1	4440.6	4555.2	4690.3	4858.3	5051.4	5188.0	5208.4	5159.8
55°	4746.8	4742.1	4771.9	4856.7	4943.1	5048.3	5222.5	5439.3	5591.6	5623.0	5572.7
57.5°	5335.7	5330.9	5356.0	5376.4	5538.2	5640.2	5811.4	6018.6	6166.3	6257.3	6171.0
60°	6247.9	6243.2	6284.0	6403.4	6524.3	6673.4	6839.9	7088.0	7295.3	7322.0	7237.2
62.5°	6909.0	6932.5	7022.1	7161.8	7406.7	7698.8	8003.4	8330.0	8755.6	8890.7	8849.8
65°	6678.2	6725.3	6849.3	7061.3	7388.0	7791.5	8268.8	8860.8	9430.8	9749.5	9740.2
66°	6470.9	6522.7	6675.0	6879.1	7224.6	7665.8	8187.1	8832.5	9470.0	9821.7	9843.8
67.5°	6094.1	6152.1	6301.3	6543.1	6879.1	7348.7	7909.3	8611.1	9331.9	9741.6	9799.8
70°	5360.8	5426.7	5535.0	5734.5	6065.8	6485.1	7075.4	7703.5	8458.8	8928.3	8998.9
72.5°	4481.4	4539.6	4660.4	4823.8	5095.4	5359.2	5822.4	6285.6	6825.8	7361.3	7309.4
75°	3217.4	3242.5	3314.7	3492.2	3638.3	3875.3	4247.5	4627.5	4996.5	5241.4	5275.9
77.5°	1672.3	1738.2	1840.3	2036.6	2195.2	2408.8	2650.5	2936.3	3206.4	3430.9	3369.7
80°	1094.4	1122.7	1213.8	1314.2	1430.5	1567.1	1728.8	1835.6	1870.2	1856.0	1870.2
82.5°	631.3	683.1	803.9	880.9	967.3	1014.3	1143.2	1265.6	1334.7	1248.3	1216.9
85°	80.1	103.6	326.6	411.4	471.1	541.8	581.0	654.8	610.8	546.4	665.8
87.5°	17.3	15.7	22.0	47.1	48.7	40.8	76.9	81.7	50.2	25.1	31.4
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1857.6	1859.2	1862.2	1867.0	1870.2	1873.3	1876.4	1881.1	1884.3	1887.5	1893.7
5°	1849.7	1856.0	1862.2	1868.6	1876.4	1888.9	1896.8	1903.1	1909.4	1922.0	1926.7
7.5°	1845.0	1856.0	1865.4	1876.4	1888.9	1900.0	1914.1	1922.0	1931.4	1939.3	1948.7
10°	1841.9	1857.6	1867.0	1882.7	1896.8	1907.8	1923.5	1932.9	1943.9	1953.3	1958.1
12.5°	1848.2	1856.0	1865.4	1881.1	1898.4	1914.1	1931.4	1939.3	1948.7	1956.5	1958.1
15°	1874.9	1874.9	1876.4	1888.9	1906.2	1918.8	1932.9	1940.8	1945.5	1950.2	1950.2
17.5°	1923.5	1912.6	1904.7	1906.2	1917.2	1925.1	1932.9	1932.9	1929.8	1928.2	1925.1
20°	1980.0	1966.0	1950.2	1939.3	1936.1	1929.8	1925.1	1909.4	1896.8	1885.9	1878.0
22.5°	2061.7	2039.7	2017.8	1997.3	1978.5	1954.9	1928.2	1896.8	1867.0	1846.6	1834.1
25°	2162.2	2144.9	2118.2	2086.8	2063.3	2019.3	1984.8	1939.3	1901.5	1874.9	1852.8
27.5°	2305.1	2284.7	2259.5	2231.3	2196.8	2148.1	2105.7	2052.3	2006.7	1967.5	1939.3
30°	2482.5	2455.8	2436.9	2402.4	2378.9	2323.9	2281.5	2215.5	2127.6	2064.8	2025.6
32.5°	2664.7	2634.8	2619.2	2592.5	2565.8	2532.8	2468.4	2366.3	2253.3	2151.2	2083.7
35°	2908.0	2876.7	2848.4	2824.9	2785.6	2724.3	2667.8	2545.3	2389.9	2247.0	2134.0
37.5°	3214.3	3162.4	3091.7	3032.1	2963.0	2875.1	2788.8	2663.1	2485.7	2300.4	2149.6
40°	3540.9	3449.8	3349.3	3237.8	3118.4	2991.3	2892.4	2765.1	2565.8	2345.9	2138.6
42.5°	3881.6	3737.1	3597.4	3440.4	3273.9	3123.2	2994.4	2854.7	2625.4	2358.4	2094.7
45°	4219.2	4057.4	3845.5	3639.7	3429.4	3242.5	3098.1	2941.0	2680.4	2363.2	2036.6
47.5°	4498.7	4332.2	4090.4	3833.0	3583.3	3371.3	3201.7	3032.1	2754.2	2396.2	2022.4
50°	4793.9	4591.4	4322.8	4018.2	3735.6	3498.4	3317.9	3142.1	2857.8	2480.9	2068.0
52.5°	5115.8	4883.4	4569.3	4228.6	3919.3	3653.9	3457.6	3277.0	2989.7	2600.3	2154.3
55°	5508.3	5224.1	4883.4	4498.7	4167.4	3873.8	3657.0	3443.5	3146.7	2741.6	2262.7
57.5°	6108.1	5759.6	5376.4	4938.4	4570.9	4223.9	3964.9	3718.3	3390.2	2952.0	2410.3
60°	7193.2	6821.1	6323.3	5792.6	5360.8	4955.7	4575.7	4269.4	3865.9	3366.5	2736.9
62.5°	8747.7	8253.1	7588.9	6846.2	6280.9	5696.8	5268.1	4812.8	4311.8	3773.2	3121.6
65°	9611.3	9011.5	8122.7	7260.7	6533.7	5899.3	5354.5	4826.9	4271.0	3756.0	3211.1
66°	9718.1	9093.2	8169.9	7262.3	6499.2	5847.5	5274.4	4727.9	4159.6	3668.0	3173.4
67.5°	9674.2	9035.0	8083.5	7125.7	6350.0	5649.7	5057.7	4490.8	3924.0	3465.5	3047.8
70°	8953.5	8347.3	7413.1	6485.1	5748.6	5057.7	4492.4	3935.0	3415.3	3022.7	2714.9
72.5°	7435.0	6916.9	6105.1	5376.4	4798.6	4228.6	3749.7	3217.4	2777.7	2487.3	2305.1
75°	5367.0	5053.0	4313.4	3895.7	3388.6	3010.2	2545.3	2229.7	1914.1	1772.8	1741.4
77.5°	3390.2	2967.7	2498.2	2057.0	1691.2	1402.2	1091.3	926.4	772.6	756.8	913.9
80°	1716.3	1545.1	1190.2	948.4	797.7	645.4	510.3	386.2	270.0	325.0	389.4
82.5°	1124.3	937.4	734.9	604.6	526.0	436.6	339.2	235.5	172.7	194.7	267.0
85°	607.6	518.1	417.7	329.8	267.0	238.7	160.2	113.0	111.4	119.3	152.3
87.5°	44.0	44.0	34.5	31.4	37.7	31.4	28.3	28.3	26.7	28.3	37.7
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°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1896.8	1901.5	1903.1	1911.0	1915.6	1918.8	1922.0	1922.0	1923.5	1928.2	1929.8
5°	1932.9	1940.8	1950.2	1956.5	1959.6	1969.0	1972.2	1972.2	1975.4	1981.6	1986.3
7.5°	1954.9	1966.0	1975.4	1978.5	1984.8	1987.9	1992.6	1995.7	1995.7	2002.1	2005.2
10°	1962.8	1969.0	1978.5	1978.5	1984.8	1984.8	1989.5	1991.1	1991.1	1997.3	2002.1
12.5°	1962.8	1966.0	1973.8	1973.8	1978.5	1980.0	1986.3	1991.1	1992.6	2000.5	2006.7
15°	1953.3	1956.5	1962.8	1964.4	1975.4	1981.6	1995.7	2005.2	2005.2	2013.0	2016.2
17.5°	1926.7	1934.5	1947.1	1959.6	1980.0	1994.2	2011.5	2019.3	2013.0	2008.3	2003.6
20°	1882.7	1896.8	1926.7	1958.1	1994.2	2013.0	2022.4	2014.6	1992.6	1970.6	1956.5
22.5°	1838.7	1867.0	1917.2	1964.4	2005.2	2017.8	2013.0	1984.8	1948.7	1922.0	1903.1
25°	1859.2	1892.1	1940.8	1983.2	2009.9	2006.7	1987.9	1948.7	1909.4	1874.9	1843.5
27.5°	1943.9	1980.0	2006.7	2020.8	2017.8	1995.7	1966.0	1922.0	1874.9	1829.3	1785.3
30°	2024.0	2042.9	2049.1	2038.2	2013.0	1976.9	1939.3	1888.9	1826.2	1769.7	1719.4
32.5°	2060.1	2041.3	2011.5	1981.6	1940.8	1909.4	1857.6	1802.6	1724.1	1656.6	1606.3
35°	2060.1	1984.8	1909.4	1846.6	1785.3	1746.1	1686.4	1612.7	1540.4	1483.8	1444.6
37.5°	2014.6	1870.2	1746.1	1644.0	1567.1	1524.7	1435.2	1369.2	1308.0	1289.1	1264.0
40°	1931.4	1717.9	1538.8	1405.3	1308.0	1245.2	1155.7	1110.1	1086.6	1077.2	1072.5
42.5°	1819.9	1548.3	1309.6	1144.7	1039.4	968.8	909.1	880.9	879.4	877.8	877.8
45°	1700.6	1366.1	1086.6	890.3	797.7	734.9	706.6	695.6	705.0	703.4	705.0
47.5°	1626.7	1227.9	882.4	673.6	603.0	562.1	548.0	552.7	560.6	557.4	557.4
50°	1617.3	1157.2	745.9	524.5	471.1	450.7	447.5	447.5	452.2	449.1	447.5
52.5°	1651.9	1146.2	675.2	450.7	408.3	391.0	387.8	386.2	384.7	375.3	367.4
55°	1711.5	1171.4	654.8	431.8	387.8	369.0	364.3	361.1	354.9	342.3	328.2
57.5°	1830.9	1249.9	673.6	441.2	394.1	378.4	373.7	373.7	361.1	340.7	320.3
60°	2118.2	1449.3	750.6	477.3	424.0	408.3	411.4	409.9	391.0	361.1	329.8
62.5°	2488.9	1710.0	851.1	527.6	461.7	458.5	474.2	471.1	439.6	394.1	348.6
65°	2659.9	1832.5	879.4	538.6	469.5	483.6	515.1	511.9	472.7	409.9	351.7
66°	2663.1	1832.5	866.8	529.1	458.5	475.8	507.2	505.6	466.3	403.5	345.5
67.5°	2598.7	1782.2	830.6	510.3	436.6	449.1	477.3	475.8	439.6	387.8	332.9
70°	2356.9	1595.4	738.1	477.3	406.7	400.4	409.9	403.5	380.0	343.9	306.2
72.5°	2019.3	1339.4	643.8	452.2	386.2	361.1	354.9	350.1	331.4	310.9	287.4
75°	1590.6	1059.9	565.3	433.4	367.4	334.4	323.4	317.2	304.7	290.5	271.6
77.5°	981.4	758.4	493.0	408.3	353.3	320.3	312.5	303.1	284.2	267.0	252.8
80°	438.0	469.5	405.1	356.5	315.6	285.8	273.2	259.1	240.3	229.2	221.4
82.5°	292.1	303.1	293.7	267.0	238.7	215.2	196.3	196.3	193.1	183.7	180.6
85°	186.9	188.5	182.1	164.8	153.9	139.7	131.9	133.5	139.7	138.1	136.7
87.5°	42.4	42.4	50.2	47.1	55.0	58.1	62.8	67.5	76.9	76.9	81.7
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):

	160°	165°	170°	175°	180°
0°	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1931.4	1934.5	1937.7	1932.9	1934.5
5°	1986.3	1984.8	1992.6	1987.9	1991.1
7.5°	2003.6	2005.2	2011.5	2011.5	2013.0
10°	2005.2	2008.3	2016.2	2020.8	2024.0
12.5°	2013.0	2019.3	2031.8	2035.0	2035.0
15°	2019.3	2022.4	2030.3	2033.4	2036.6
17.5°	1997.3	1991.1	1994.2	1995.7	1994.2
20°	1942.3	1936.1	1934.5	1928.2	1931.4
22.5°	1882.7	1865.4	1854.4	1841.9	1841.9
25°	1810.4	1783.7	1761.8	1739.8	1744.5
27.5°	1743.0	1708.4	1686.4	1672.3	1669.1
30°	1677.0	1640.8	1620.5	1603.2	1603.2
32.5°	1567.1	1542.0	1515.3	1504.3	1502.7
35°	1414.8	1399.1	1377.1	1372.4	1364.6
37.5°	1243.6	1238.9	1220.1	1218.5	1210.6
40°	1064.7	1067.7	1061.5	1058.3	1053.6
42.5°	885.6	901.3	898.1	896.6	893.5
45°	714.4	725.4	727.0	731.7	739.5
47.5°	562.1	565.3	568.4	566.9	568.4
50°	439.6	431.8	430.2	425.5	430.2
52.5°	354.9	342.3	336.0	329.8	326.6
55°	312.5	299.9	293.7	290.5	287.4
57.5°	301.5	288.9	279.5	273.2	271.6
60°	304.7	285.8	273.2	265.4	263.8
62.5°	312.5	287.4	270.0	262.2	260.7
65°	310.9	284.2	268.5	259.1	257.5
66°	306.2	281.0	265.4	257.5	255.9
67.5°	298.3	276.4	262.2	255.9	252.8
70°	284.2	270.0	259.1	251.3	248.1
72.5°	271.6	260.7	251.3	243.4	241.8
75°	257.5	248.1	238.7	232.4	230.8
77.5°	240.3	230.8	224.6	219.8	218.2
80°	212.0	205.7	199.4	193.1	193.1
82.5°	175.9	171.2	164.8	160.2	158.6
85°	135.1	135.1	130.3	125.6	124.1
87.5°	80.1	78.5	78.5	73.8	73.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)