

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: P180301

Luminaire Tested: **ICM-F05-LED-E1-RW-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180301  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F05-LED-E1-RW-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10123.6 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

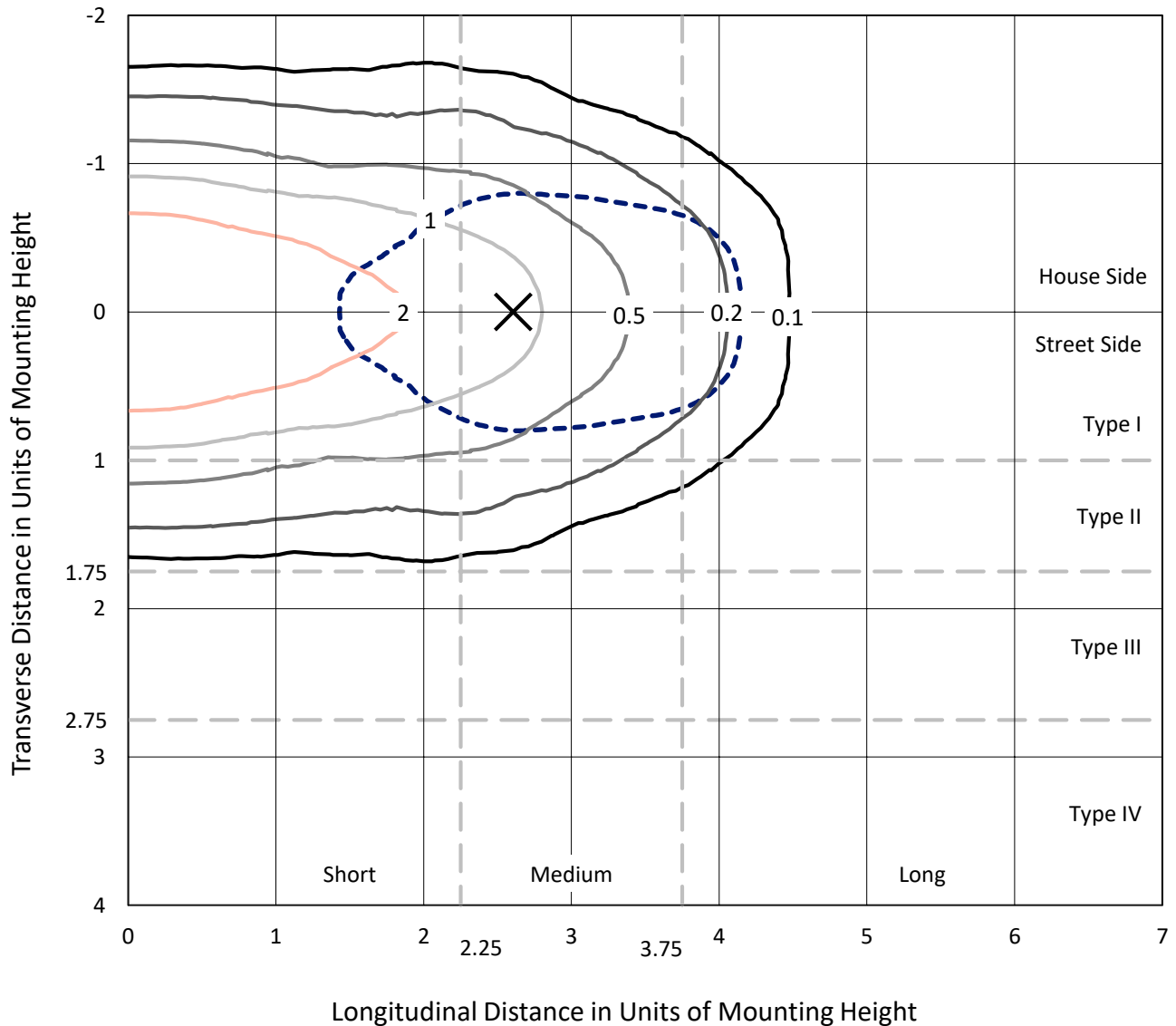
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

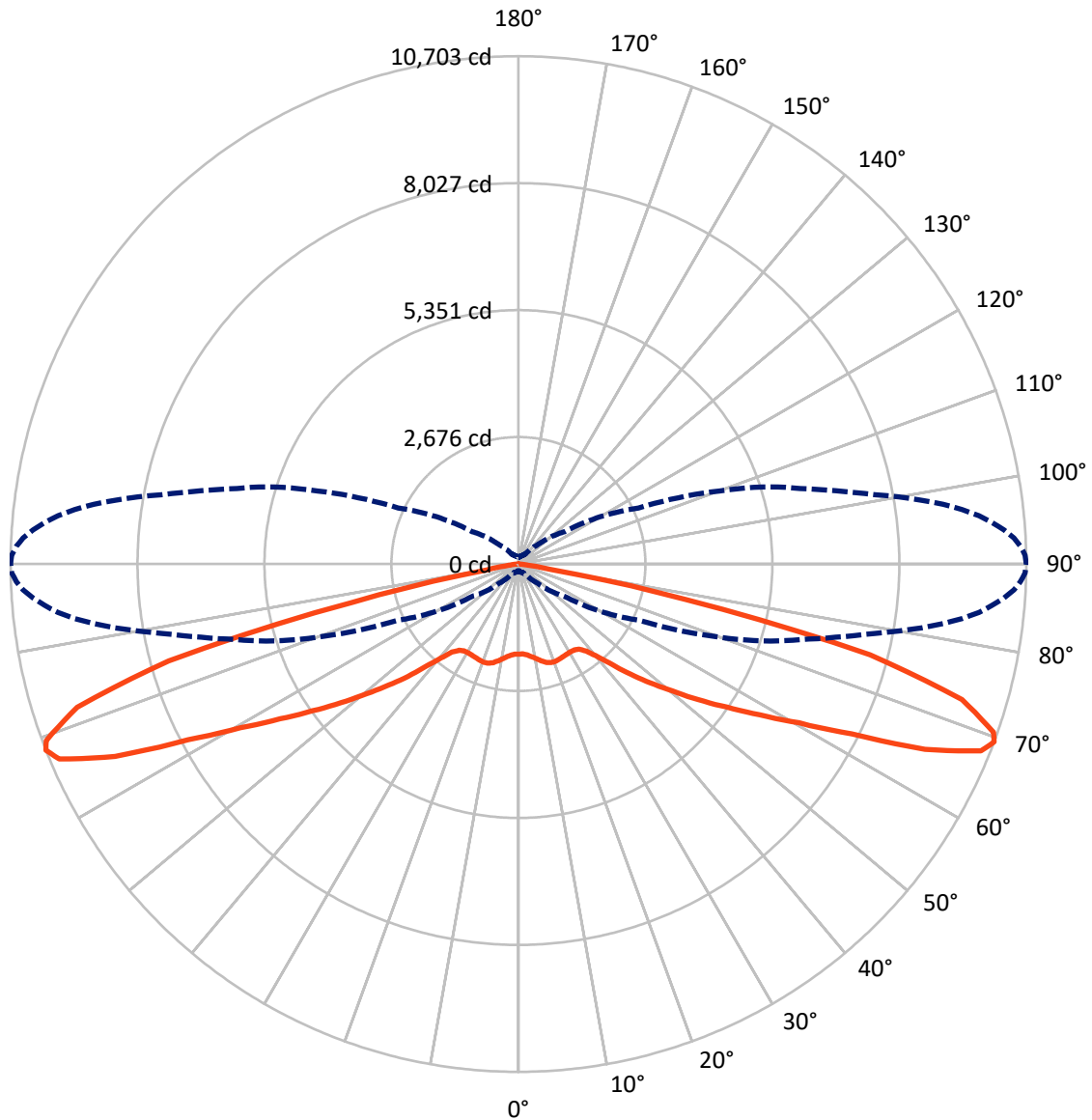
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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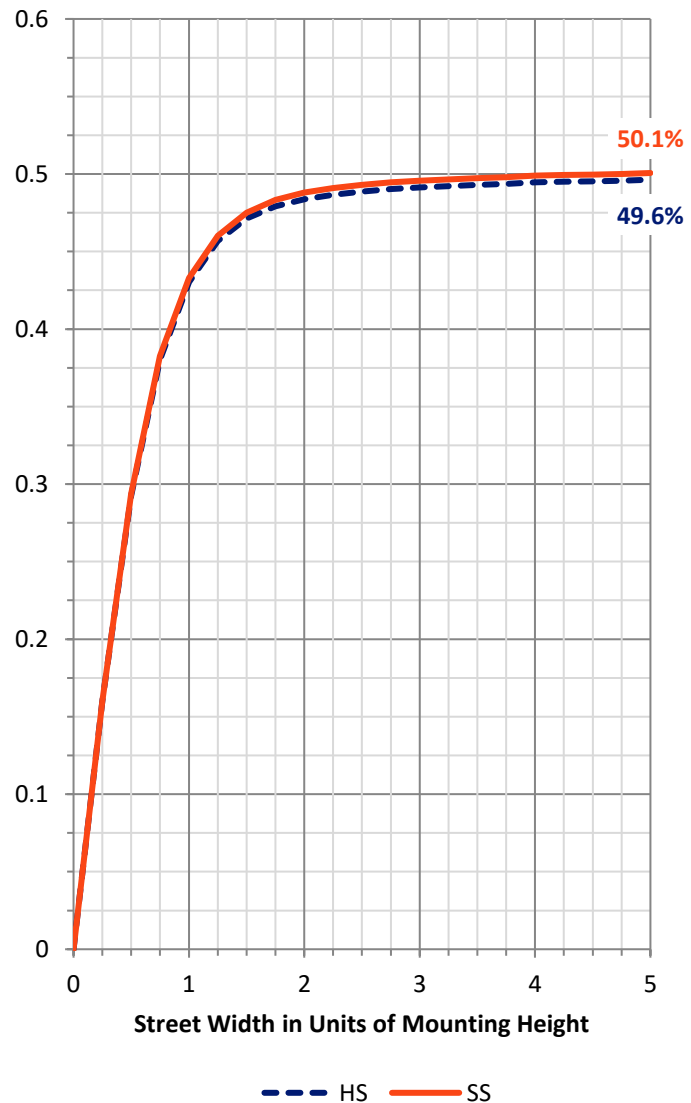
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5061.8	0.0	5061.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5061.8	0.0	5061.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10123.6	0.0	10123.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.1	1.8
10°-20°	587.0	5.8
20°-30°	950.9	9.4
30°-40°	1185.1	11.7
40°-50°	1480.9	14.6
50°-60°	1828.6	18.1
60°-70°	2272.1	22.4
70°-80°	1508.4	14.9
80°-90°	124.5	1.2
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°	10123.6	100.0
0°-180°	10123.6	100.0



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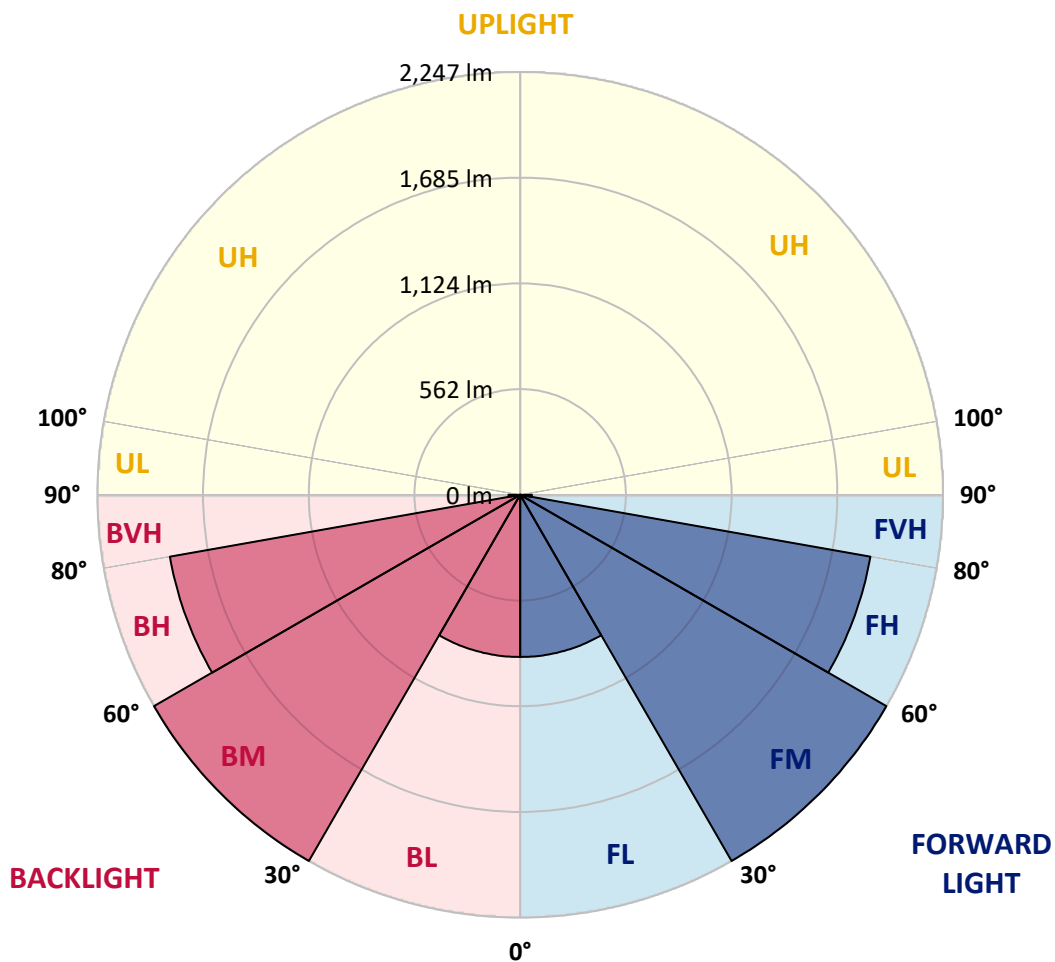
CATALOG NUMBER: ICM-F05-LED-E1-RW-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	862.0	8.5			
FM	(30°-60°)	2247.3	22.2			
FH	(60°-80°)	1890.3	18.7			G2/5000
FVH	(80°-90°)	62.3	0.6			G1/100
BL	(0°-30°)	862.0	8.5	B2/1000		
BM	(30°-60°)	2247.3	22.2	B2/2500		
BH	(60°-80°)	1890.3	18.7	B3/2500		G3/2500
BVH	(80°-90°)	62.3	0.6			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 I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8
2.5°	1905.5	1907.2	1906.1	1908.2	1907.7	1907.6	1906.6	1904.4	1903.1	1902.2	1902.3
5°	1923.9	1921.7	1924.9	1928.2	1927.1	1927.6	1927.1	1927.1	1926.1	1925.9	1925.9
7.5°	1943.3	1942.7	1944.9	1953.6	1954.6	1958.0	1961.7	1964.4	1964.9	1965.5	1964.9
10°	1960.0	1960.6	1966.0	1978.4	1984.9	1995.2	2005.4	2013.5	2016.5	2018.4	2018.2
12.5°	1973.6	1974.2	1982.2	2001.7	2017.3	2036.8	2058.9	2071.3	2076.7	2077.7	2078.6
15°	1974.6	1976.2	1990.3	2022.2	2053.5	2085.4	2111.8	2128.6	2132.9	2135.8	2136.0
17.5°	1960.6	1961.7	1985.5	2032.5	2084.8	2134.5	2162.1	2169.6	2171.3	2172.3	2171.8
20°	1923.9	1926.5	1960.0	2029.8	2109.7	2174.5	2203.1	2192.9	2187.7	2187.1	2186.5
22.5°	1864.5	1863.9	1907.7	2001.7	2114.5	2205.8	2231.3	2204.2	2188.3	2184.9	2182.7
25°	1768.3	1774.7	1826.1	1938.4	2087.0	2212.9	2251.2	2210.1	2187.2	2182.1	2175.8
27.5°	1664.0	1667.8	1722.4	1842.8	2022.7	2188.5	2260.9	2222.0	2196.4	2189.1	2182.0
30°	1542.5	1547.4	1605.8	1731.5	1919.5	2125.9	2258.2	2248.9	2219.0	2210.4	2201.3
32.5°	1423.6	1429.1	1481.5	1619.2	1811.0	2040.0	2242.0	2287.4	2256.6	2247.1	2237.5
35°	1300.6	1308.7	1372.5	1511.7	1706.2	1944.4	2217.1	2336.6	2319.5	2311.2	2302.8
37.5°	1198.5	1200.2	1261.7	1408.0	1608.9	1853.1	2184.2	2398.6	2411.1	2411.1	2412.1
40°	1084.5	1094.8	1156.4	1310.9	1520.9	1775.8	2152.9	2482.8	2547.5	2559.3	2568.4
42.5°	982.4	983.5	1046.1	1205.5	1425.3	1713.8	2135.6	2584.4	2722.4	2747.6	2772.9
45°	875.0	879.3	936.0	1090.0	1315.2	1640.4	2135.1	2701.6	2922.0	2964.3	3003.5
47.5°	773.4	775.1	835.0	978.1	1188.8	1537.7	2131.3	2827.5	3127.5	3189.9	3241.0
50°	676.3	674.6	733.4	871.3	1064.0	1403.2	2098.3	2970.1	3349.0	3419.9	3482.9
52.5°	565.0	572.5	633.6	765.3	950.5	1266.6	2002.2	3126.2	3579.3	3661.4	3740.5
55°	455.8	459.1	524.5	647.6	835.5	1139.2	1834.8	3269.8	3804.0	3897.2	3985.0
57.5°	336.0	345.7	403.0	524.5	718.9	1031.6	1622.0	3344.4	3994.4	4101.9	4206.2
60°	237.1	244.7	295.4	397.5	590.9	918.7	1438.9	3302.7	4147.5	4284.8	4410.2
62.5°	184.7	190.7	231.3	297.6	460.7	805.8	1307.5	3168.3	4317.6	4496.8	4667.7
65°	162.0	167.4	204.1	238.1	344.0	690.8	1235.7	3026.3	4545.5	4809.3	5047.8
67.5°	146.4	152.8	184.7	208.6	280.4	602.8	1216.8	2936.6	4657.3	5000.9	5322.3
69°	139.3	145.9	174.5	194.4	260.3	571.4	1184.5	2795.6	4506.4	4873.6	5224.7
70°	135.1	140.5	166.9	187.3	253.9	549.8	1130.4	2619.6	4299.6	4670.3	5037.1
72.5°	125.3	128.0	151.3	171.2	235.5	444.5	869.6	1945.5	3401.9	3763.4	4119.5
75°	110.7	114.0	135.6	155.0	183.6	276.0	550.3	1203.4	2290.6	2559.9	2890.3
77.5°	95.6	98.2	117.2	148.0	142.5	172.3	328.9	669.7	1300.3	1456.8	1671.6
80°	76.7	79.9	96.7	147.0	117.7	134.0	236.7	468.3	638.4	685.0	736.6
82.5°	56.2	58.9	75.5	118.8	90.2	101.0	180.4	397.0	456.1	477.2	487.5
85°	28.7	29.2	48.1	72.4	57.3	52.5	101.6	271.6	309.5	314.8	322.8
87.5°	4.8	4.8	10.8	12.5	14.0	8.7	13.0	46.4	53.8	53.4	57.9
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):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8
2.5°	1903.0	1902.6	1903.3	1903.5	1904.1	1902.1	1901.6	1901.2	1901.2	1902.2	1901.2
5°	1926.2	1926.2	1926.5	1927.5	1927.3	1926.0	1925.8	1926.1	1924.5	1923.9	1924.9
7.5°	1966.0	1965.5	1964.4	1966.2	1967.3	1967.5	1968.6	1967.6	1967.1	1966.5	1967.6
10°	2020.0	2019.7	2020.0	2021.9	2023.2	2023.4	2024.7	2023.3	2022.7	2023.8	2023.8
12.5°	2080.7	2079.5	2082.1	2083.2	2084.8	2088.1	2086.4	2088.6	2087.0	2089.7	2089.7
15°	2137.9	2138.6	2141.0	2142.0	2142.3	2144.9	2145.4	2146.9	2144.8	2145.3	2149.7
17.5°	2173.4	2172.9	2174.5	2175.4	2176.8	2178.2	2180.7	2182.1	2180.9	2180.9	2183.1
20°	2185.3	2183.6	2184.2	2184.9	2185.1	2186.4	2188.3	2188.5	2188.5	2189.0	2191.3
22.5°	2179.5	2176.7	2174.0	2174.2	2174.3	2174.1	2175.4	2176.1	2177.1	2178.2	2181.0
25°	2171.2	2165.0	2159.8	2159.5	2158.0	2158.1	2158.7	2158.8	2159.8	2161.5	2163.7
27.5°	2172.1	2163.8	2155.5	2152.7	2149.8	2147.9	2147.2	2145.9	2146.9	2148.6	2150.7
30°	2190.6	2177.7	2165.8	2162.2	2158.0	2154.2	2151.2	2147.5	2145.3	2147.0	2148.0
32.5°	2223.2	2210.4	2198.7	2192.9	2186.9	2180.4	2174.4	2170.7	2165.9	2164.2	2163.7
35°	2292.2	2282.2	2271.6	2265.0	2255.1	2250.0	2242.8	2232.3	2224.8	2224.2	2219.8
37.5°	2408.9	2404.0	2396.5	2389.4	2386.2	2372.7	2364.1	2358.6	2350.0	2355.4	2346.2
40°	2576.5	2584.5	2591.5	2587.4	2588.7	2585.1	2579.9	2585.0	2579.0	2577.4	2579.0
42.5°	2791.1	2819.6	2839.4	2845.6	2861.6	2867.9	2879.6	2897.7	2894.0	2914.4	2918.2
45°	3039.8	3080.6	3120.2	3149.7	3181.9	3218.4	3254.9	3283.8	3306.5	3305.5	3330.3
47.5°	3293.6	3353.8	3406.4	3450.8	3508.8	3562.3	3621.3	3680.9	3724.1	3740.3	3745.7
50°	3550.6	3620.0	3692.2	3757.4	3835.7	3921.4	4014.2	4107.0	4153.4	4191.2	4216.6
52.5°	3819.9	3899.5	3976.2	4068.4	4164.9	4278.1	4394.0	4526.1	4596.3	4667.6	4705.4
55°	4076.1	4165.0	4244.1	4367.5	4485.8	4621.0	4772.3	4939.4	5060.9	5144.6	5218.5
57.5°	4308.9	4403.5	4500.7	4639.7	4790.6	4948.6	5140.5	5343.3	5475.6	5621.4	5752.8
60°	4536.1	4655.1	4767.0	4948.7	5128.2	5324.5	5563.5	5820.2	6025.0	6223.1	6374.4
62.5°	4837.6	4990.3	5129.4	5358.0	5592.5	5835.1	6119.3	6422.9	6720.0	6989.0	7192.6
65°	5282.9	5507.3	5715.4	6005.1	6301.1	6620.4	6959.7	7347.6	7704.0	8060.0	8351.7
67.5°	5620.9	5905.0	6172.3	6522.5	6870.9	7241.1	7651.0	8109.2	8550.5	8951.8	9307.1
69°	5554.5	5855.9	6145.3	6502.8	6865.1	7243.1	7656.7	8143.7	8602.3	9038.2	9419.5
70°	5352.7	5666.6	5966.5	6321.2	6688.2	7067.2	7500.1	7978.5	8447.9	8912.3	9297.5
72.5°	4436.1	4751.2	5042.4	5405.4	5774.8	6172.9	6582.8	7049.0	7550.2	8046.6	8384.1
75°	3180.6	3459.1	3741.3	4048.3	4408.8	4736.9	5111.8	5556.7	5977.9	6363.0	6621.2
77.5°	1879.9	2046.6	2247.9	2392.4	2601.6	2782.2	2973.0	3220.1	3349.8	3598.2	3662.0
80°	766.0	761.3	791.3	761.7	768.2	744.1	718.2	713.5	672.9	723.7	686.0
82.5°	486.5	452.6	416.4	366.3	322.1	275.7	233.2	197.7	191.3	192.3	190.1
85°	320.5	305.8	273.3	229.8	187.3	150.2	120.3	95.1	94.0	92.3	91.8
87.5°	58.0	53.9	44.3	37.9	31.9	23.8	16.7	12.5	11.9	11.9	14.0
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):**

	84°	85°	86°	87°	88°	89°	90°
0°	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8	1896.8
2.5°	1901.2	1901.2	1900.7	1901.8	1901.2	1899.5	1898.0
5°	1926.0	1923.8	1925.5	1927.1	1924.4	1924.9	1923.8
7.5°	1967.6	1967.1	1967.5	1966.0	1964.8	1966.5	1968.2
10°	2025.9	2024.8	2024.4	2026.0	2024.8	2023.8	2024.3
12.5°	2091.4	2091.3	2090.8	2091.3	2090.8	2089.1	2088.0
15°	2149.0	2150.2	2150.2	2149.0	2148.5	2148.0	2148.6
17.5°	2184.8	2184.2	2184.2	2184.2	2183.6	2184.2	2185.3
20°	2193.9	2192.4	2192.3	2193.4	2192.3	2193.3	2193.9
22.5°	2181.5	2181.5	2181.4	2182.0	2183.1	2183.2	2184.2
25°	2165.8	2165.8	2165.9	2166.9	2166.9	2167.5	2168.0
27.5°	2153.4	2153.4	2153.4	2154.4	2154.4	2155.0	2156.1
30°	2149.6	2149.7	2149.0	2149.7	2150.2	2150.2	2150.7
32.5°	2164.2	2162.6	2162.1	2160.9	2159.8	2159.9	2159.4
35°	2215.5	2211.2	2211.7	2208.6	2209.6	2206.9	2204.8
37.5°	2340.3	2336.0	2331.2	2324.7	2320.9	2325.7	2325.7
40°	2573.6	2576.3	2564.5	2561.1	2554.2	2559.1	2565.5
42.5°	2920.4	2923.6	2925.8	2907.9	2907.4	2903.6	2892.9
45°	3331.4	3323.7	3327.1	3318.9	3315.7	3303.8	3318.4
47.5°	3766.2	3771.0	3751.7	3745.1	3756.5	3737.0	3739.7
50°	4231.2	4232.3	4217.7	4214.4	4224.8	4187.9	4205.3
52.5°	4732.5	4734.5	4745.9	4732.5	4737.9	4729.1	4746.4
55°	5265.5	5306.1	5309.8	5324.4	5325.4	5343.3	5325.4
57.5°	5825.6	5871.5	5914.7	5973.6	5986.5	5979.6	5990.9
60°	6500.2	6620.7	6685.4	6777.8	6792.4	6832.4	6797.8
62.5°	7383.9	7571.3	7712.8	7784.0	7827.2	7910.9	7883.4
65°	8619.6	8842.7	9057.5	9160.2	9273.6	9392.4	9414.1
67.5°	9631.8	9879.7	10103.3	10281.0	10419.2	10506.7	10513.7
69°	9758.2	10021.7	10257.2	10454.9	10589.4	10679.0	10702.8
70°	9644.2	9913.7	10163.2	10351.7	10501.8	10593.2	10625.0
72.5°	8738.5	9059.2	9259.0	9451.3	9663.0	9690.6	9778.1
75°	6917.2	7205.1	7401.2	7451.9	7562.7	7702.0	7652.2
77.5°	3607.9	3733.2	3774.8	3686.3	3681.9	3763.5	3601.4
80°	687.0	688.1	676.7	672.4	680.6	672.4	661.1
82.5°	193.9	191.3	189.6	193.9	193.3	192.7	196.6
85°	89.7	87.0	82.6	82.6	84.8	81.5	83.2
87.5°	12.5	10.2	10.2	10.2	9.7	9.7	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)