

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: P181443

Luminaire Tested: **ICM-F03-LED-E1-T3-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181443  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F03-LED-E1-T3-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6489.1 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

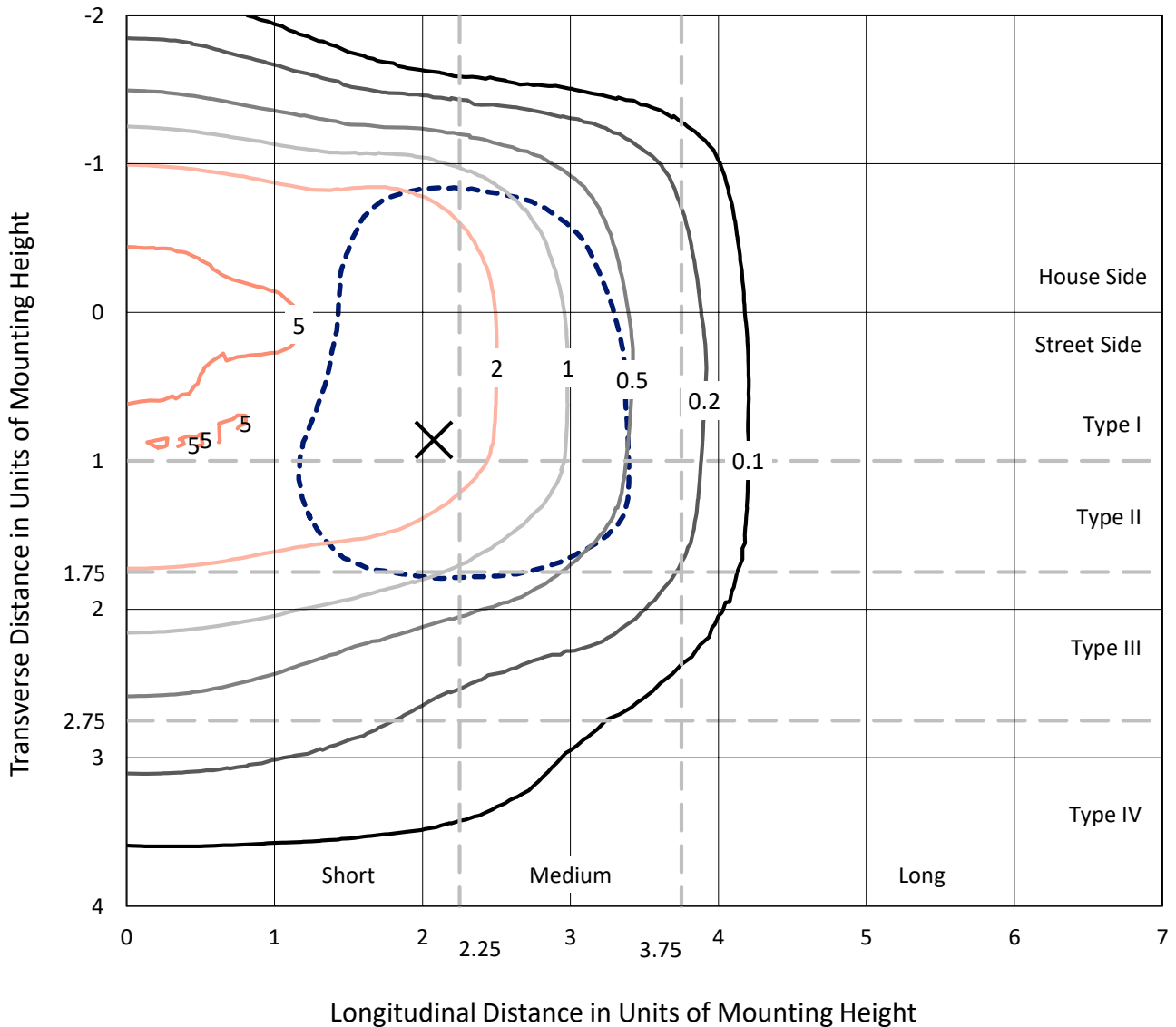


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

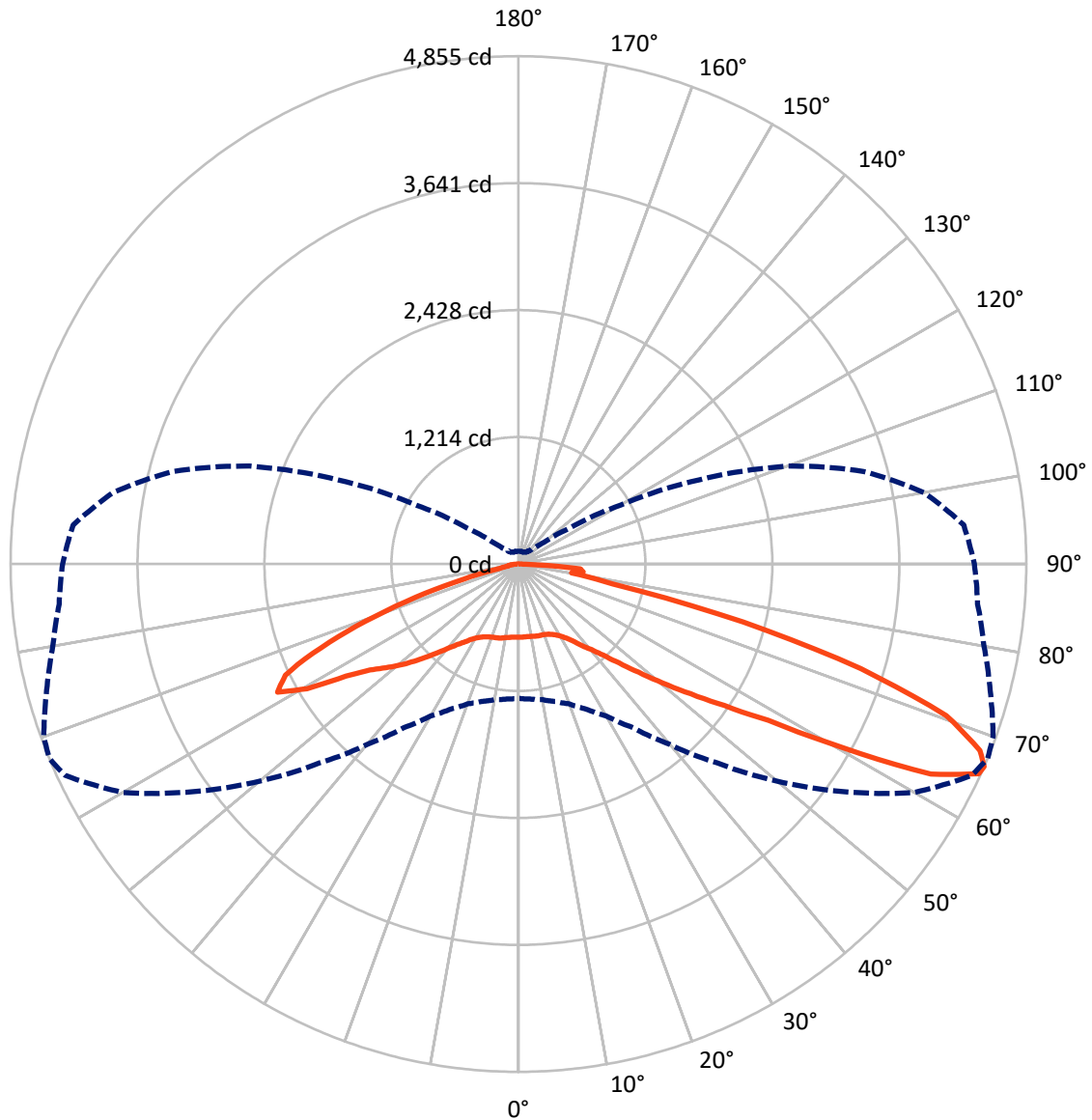


Based on 10 foot mounting height. Maximum calculated value = 7 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2240.9	0.0	2240.9
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	4248.2	0.0	4248.2
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	6489.1	0.0	6489.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.0	1.0
10°-20°	197.7	3.0
20°-30°	339.7	5.2
30°-40°	551.6	8.5
40°-50°	920.9	14.2
50°-60°	1450.1	22.3
60°-70°	1977.4	30.5
70°-80°	856.0	13.2
80°-90°	128.7	2.0
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°	6489.1	100.0
0°-180°	6489.1	100.0

**Coefficient of Utilization**



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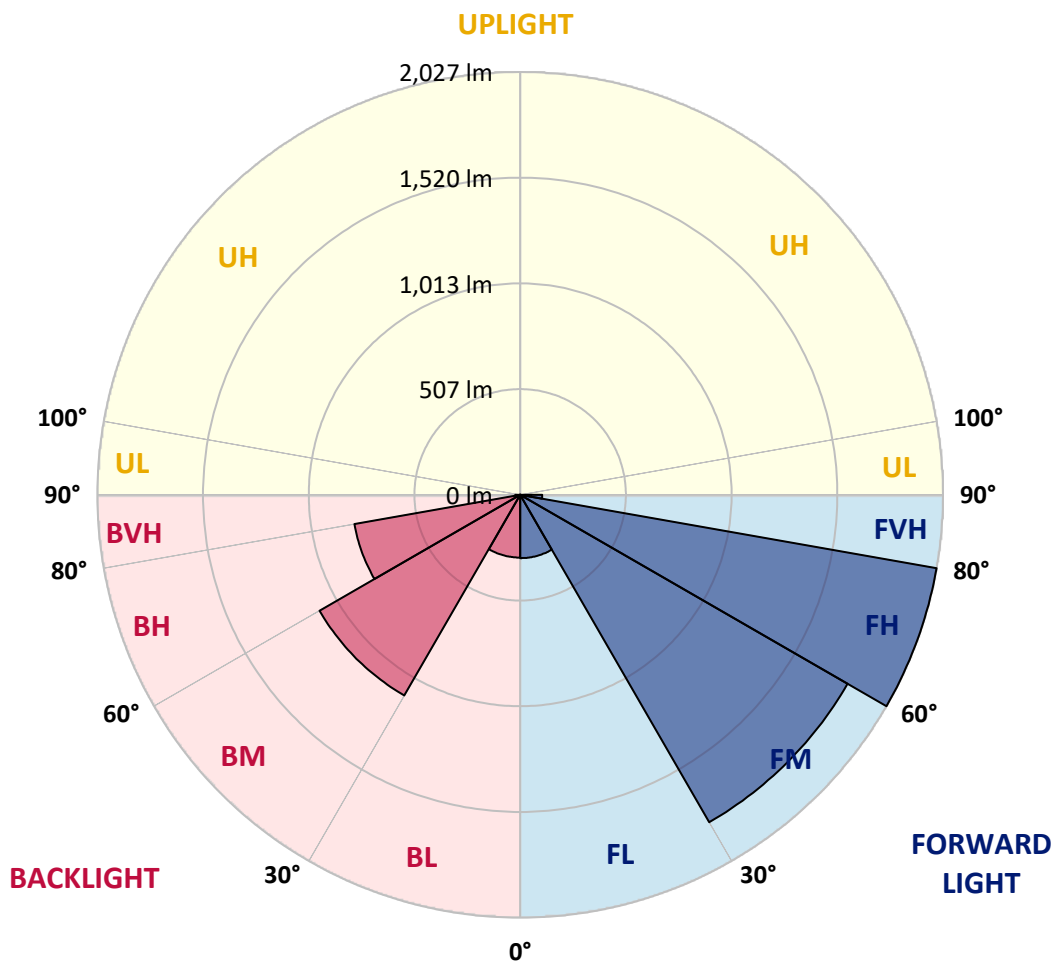
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.6	4.7			
FM	(30°-60°)	1812.2	27.9			
FH	(60°-80°)	2026.8	31.2			G2/5000
FVH	(80°-90°)	105.7	1.6			G2/225
BL	(0°-30°)	300.8	4.6	B1/500		
BM	(30°-60°)	1110.4	17.1	B2/2500		
BH	(60°-80°)	806.6	12.4	B2/1000		G2/1000
BVH	(80°-90°)	23.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	702.1	704.9	702.1	702.8	703.5	702.8	702.1	702.1	700.0	701.4	702.8
5°	699.3	701.4	700.7	701.4	702.1	701.4	700.7	701.4	700.0	700.7	702.8
7.5°	695.8	695.1	695.8	697.2	698.6	698.6	698.6	699.3	698.6	698.6	700.7
10°	685.3	686.0	687.4	689.5	690.1	692.3	692.3	694.4	695.1	696.5	699.3
12.5°	671.9	672.7	674.1	675.4	679.0	682.4	682.4	687.4	689.5	692.9	697.9
15°	662.1	662.8	664.2	665.6	668.5	671.9	674.1	679.6	683.2	689.5	696.5
17.5°	667.7	667.0	668.5	669.1	669.1	671.9	671.9	676.1	680.4	686.0	695.1
20°	683.8	683.8	685.3	685.3	684.6	686.0	683.2	683.2	683.8	686.7	692.9
22.5°	700.0	699.3	702.1	703.5	704.2	706.3	703.5	702.8	699.3	697.2	699.3
25°	715.4	714.7	718.2	720.4	723.8	726.0	726.0	726.0	723.2	719.6	717.5
27.5°	739.3	739.3	742.8	744.8	747.7	751.9	754.0	754.0	754.7	749.8	746.2
30°	779.3	779.9	780.7	783.4	786.2	787.6	790.5	792.6	794.7	791.9	786.2
32.5°	827.0	822.7	822.7	827.0	830.4	834.7	836.1	838.9	843.1	840.9	840.3
35°	883.7	882.3	880.9	882.3	886.5	891.4	897.1	902.0	899.2	903.4	901.3
37.5°	967.9	969.3	970.1	970.1	969.3	970.7	973.5	978.4	977.0	978.4	981.2
40°	1106.8	1101.9	1096.9	1097.7	1090.7	1092.1	1080.8	1085.8	1086.4	1081.6	1083.6
42.5°	1245.7	1248.5	1250.6	1256.2	1251.3	1248.5	1238.0	1238.0	1232.4	1227.4	1226.1
45°	1395.7	1401.4	1402.1	1413.3	1409.1	1418.2	1426.0	1423.8	1414.7	1414.1	1404.2
47.5°	1515.7	1524.8	1534.6	1548.0	1558.5	1578.8	1602.7	1614.6	1621.6	1627.3	1616.0
50°	1605.5	1609.7	1635.0	1656.0	1679.2	1712.8	1745.8	1788.6	1822.9	1839.1	1854.5
52.5°	1653.9	1664.4	1691.7	1724.8	1765.4	1815.9	1869.2	1937.2	1996.2	2035.5	2070.5
55°	1664.4	1674.9	1705.8	1747.9	1803.3	1871.4	1947.7	2040.4	2128.8	2204.5	2278.2
57.5°	1635.0	1646.9	1679.8	1728.2	1793.5	1876.2	1972.3	2093.7	2215.7	2338.4	2447.2
60°	1580.9	1595.6	1625.9	1673.5	1745.8	1839.1	1954.1	2106.2	2277.4	2465.4	2673.7
62.5°	1491.8	1507.3	1535.4	1587.9	1662.3	1765.4	1898.7	2088.0	2330.1	2626.1	2995.6
65°	1348.8	1355.8	1390.1	1443.5	1509.4	1623.0	1769.6	1998.2	2313.2	2724.9	3234.2
66°	1284.3	1296.2	1317.2	1360.0	1423.2	1529.8	1677.0	1909.2	2249.4	2690.5	3227.8
67.5°	1183.3	1192.4	1206.4	1235.2	1273.8	1352.3	1491.8	1711.4	2054.3	2516.6	3093.9
70°	956.7	960.9	979.8	989.7	1003.0	1028.9	1079.4	1205.7	1472.9	1907.1	2496.9
72.5°	652.3	664.2	684.6	712.7	749.1	784.2	808.0	824.1	881.7	1137.7	1663.7
75°	478.3	491.0	516.9	554.1	618.0	690.9	766.6	801.7	777.9	744.8	926.5
77.5°	277.8	294.6	316.4	352.1	411.0	507.8	637.6	752.6	830.4	835.4	793.3
80°	117.1	119.3	132.6	150.8	187.3	255.4	356.3	521.9	694.4	810.8	838.1
82.5°	26.7	32.9	42.0	49.8	61.0	84.2	124.8	207.6	375.3	588.5	767.4
85°	9.9	9.9	13.3	19.6	22.4	25.2	32.9	52.6	89.8	165.5	345.1
87.5°	0.0	0.7	1.4	1.4	2.8	3.5	5.6	7.7	7.0	6.3	21.0
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	701.4	700.7	699.3	699.3	699.3	699.3	697.9	698.6	697.2	697.9	697.9
5°	700.7	700.7	700.0	698.6	699.3	699.3	700.0	698.6	698.6	699.3	698.6
7.5°	700.7	700.0	700.0	700.0	700.7	700.0	700.7	700.7	700.7	701.4	701.4
10°	700.7	700.7	702.1	702.8	702.8	703.5	705.6	705.6	706.3	707.0	708.4
12.5°	701.4	704.2	706.3	708.4	709.1	710.5	714.1	714.1	715.4	717.5	718.2
15°	702.1	706.3	710.5	711.9	713.3	716.1	719.6	721.0	723.2	725.2	726.6
17.5°	701.4	707.0	711.9	714.1	716.1	719.6	723.8	725.2	728.0	730.9	733.7
20°	700.7	708.4	716.1	718.9	721.8	726.6	732.3	735.7	738.6	742.8	745.6
22.5°	704.9	714.1	724.6	728.7	733.7	740.0	747.7	751.9	755.4	759.6	761.7
25°	718.2	725.2	737.9	744.8	751.2	761.7	772.2	777.1	781.3	784.8	785.6
27.5°	740.7	742.8	758.2	767.4	776.5	793.3	805.9	809.4	817.1	819.9	819.3
30°	777.1	773.7	786.2	800.3	813.6	836.7	852.2	861.3	868.3	868.3	862.7
32.5°	829.8	824.1	827.6	843.8	859.2	892.8	911.1	923.1	927.9	926.5	914.6
35°	898.5	895.0	892.8	905.5	930.1	969.3	993.2	999.4	1007.2	1005.8	990.3
37.5°	979.8	977.0	977.0	991.7	1015.6	1073.9	1099.8	1104.0	1103.3	1092.1	1063.4
40°	1075.9	1074.5	1068.2	1076.7	1096.9	1172.8	1207.8	1213.4	1205.7	1187.4	1153.8
42.5°	1214.1	1205.7	1186.1	1191.0	1206.4	1280.0	1325.6	1341.0	1333.3	1315.1	1260.4
45°	1394.3	1385.2	1352.3	1348.1	1356.5	1421.0	1479.9	1483.5	1482.1	1458.9	1394.3
47.5°	1606.1	1592.2	1557.1	1545.9	1543.1	1602.7	1659.5	1665.1	1661.6	1627.3	1540.9
50°	1835.5	1815.2	1792.1	1784.4	1773.1	1815.9	1873.4	1874.2	1860.1	1812.4	1731.7
52.5°	2080.3	2073.3	2069.1	2061.4	2056.5	2093.7	2128.8	2107.7	2086.6	2036.8	1966.7
55°	2327.3	2356.0	2385.4	2388.2	2396.7	2436.7	2435.9	2378.4	2363.0	2335.6	2266.2
57.5°	2589.5	2696.2	2788.8	2817.5	2845.6	2919.9	2912.9	2856.1	2836.4	2802.8	2745.2
60°	2946.5	3234.2	3501.3	3565.1	3609.4	3698.4	3690.1	3602.3	3643.0	3640.2	3565.9
62.5°	3446.6	3925.0	4325.5	4423.7	4454.5	4464.4	4411.1	4316.4	4356.4	4401.2	4172.6
65°	3785.4	4347.9	4758.9	4834.7	4838.9	4721.8	4603.3	4491.7	4481.9	4443.3	4116.5
66°	3793.1	4369.0	4781.4	4855.0	4829.1	4669.1	4519.1	4406.8	4358.4	4273.6	3934.8
67.5°	3657.0	4237.8	4681.8	4759.7	4702.8	4476.3	4269.4	4124.9	4030.2	3892.8	3594.0
70°	3071.4	3647.3	4194.4	4339.6	4357.8	4019.7	3732.9	3563.1	3435.5	3246.7	2989.3
72.5°	2283.7	2804.2	3286.7	3425.6	3496.5	3226.4	2984.4	2855.4	2680.8	2482.2	2299.2
75°	1431.5	1799.1	2122.4	2219.9	2153.3	1944.3	1799.1	1745.0	1573.2	1454.7	1371.3
77.5°	818.5	933.6	959.5	922.3	843.8	646.0	459.4	340.2	295.3	326.9	360.6
80°	798.9	732.3	583.5	513.4	465.0	319.8	188.0	129.0	107.3	110.1	119.3
82.5°	865.5	928.7	764.6	623.5	523.3	353.5	195.0	103.8	70.1	82.8	93.3
85°	562.5	782.8	704.9	594.1	481.1	302.3	160.7	54.0	35.8	47.0	64.6
87.5°	56.8	62.4	53.3	72.3	54.0	25.2	12.7	7.7	7.0	8.4	12.7
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°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	698.6	698.6	699.3	700.0	700.7	701.4	701.4	701.4	701.4	702.8	702.1
5°	700.0	701.4	702.8	703.5	704.9	704.9	707.0	706.3	706.3	708.4	709.1
7.5°	702.8	704.9	707.7	707.0	709.8	709.1	710.5	710.5	708.4	709.1	707.7
10°	709.1	711.9	713.3	711.2	711.9	709.1	708.4	704.9	700.7	698.6	695.8
12.5°	719.6	722.4	722.4	718.9	714.7	708.4	703.5	695.8	689.5	686.0	682.4
15°	728.7	731.5	730.9	725.2	718.9	709.1	702.1	692.9	683.8	678.2	674.7
17.5°	735.7	737.1	735.1	727.4	720.4	711.2	704.2	694.4	683.8	676.8	670.5
20°	746.2	744.8	740.0	730.1	722.4	714.1	708.4	700.0	688.1	679.0	669.9
22.5°	761.7	756.1	747.0	736.5	728.7	721.0	715.4	706.3	694.4	683.2	672.7
25°	782.1	770.8	758.2	747.0	740.0	731.5	725.2	715.4	702.8	690.1	677.6
27.5°	811.5	791.9	775.7	766.0	758.2	747.7	740.0	727.4	714.1	699.3	685.3
30°	844.5	817.9	802.4	794.7	786.2	775.1	763.1	747.0	731.5	715.4	698.6
32.5°	887.3	855.0	840.3	832.6	821.3	807.3	793.3	775.1	753.3	732.3	711.9
35°	943.4	910.4	895.0	883.1	867.6	849.4	829.0	804.5	775.1	747.0	721.0
37.5°	1003.7	967.9	953.2	940.6	917.4	893.6	864.8	829.0	789.0	751.9	719.6
40°	1080.1	1047.2	1028.3	1006.5	979.2	937.8	892.8	840.9	789.8	744.2	706.3
42.5°	1176.9	1144.0	1115.9	1081.6	1033.9	970.1	906.2	838.9	777.1	725.2	684.6
45°	1305.3	1265.3	1216.9	1156.6	1079.4	990.3	906.9	825.6	753.3	695.8	652.3
47.5°	1462.4	1401.4	1322.1	1220.4	1109.6	996.0	895.6	798.9	716.1	653.7	605.3
50°	1648.9	1552.8	1422.4	1273.0	1125.0	987.5	867.6	758.9	663.5	596.8	539.4
52.5°	1862.2	1705.1	1512.9	1310.9	1124.4	959.5	819.9	698.6	594.8	520.5	465.8
55°	2112.6	1879.0	1606.1	1339.0	1104.7	907.6	747.0	613.7	510.0	441.2	390.7
57.5°	2479.5	2161.0	1768.9	1382.4	1065.4	827.6	648.1	512.0	420.8	355.6	312.8
60°	3150.0	2631.6	2062.1	1470.1	1005.1	710.5	532.4	403.3	326.9	274.2	245.5
62.5°	3655.0	2995.6	2220.6	1450.5	883.7	566.0	394.9	293.9	240.6	204.8	186.6
65°	3582.7	2882.7	2051.5	1249.2	692.9	399.1	262.3	199.9	165.5	148.7	138.1
66°	3419.3	2735.5	1904.9	1124.4	599.0	331.7	216.0	167.6	142.4	130.4	123.4
67.5°	3109.3	2461.9	1642.7	921.6	460.1	240.6	162.7	132.6	115.7	110.8	106.0
70°	2584.7	1963.2	1153.1	536.6	235.0	134.0	103.1	92.6	88.4	87.6	86.2
72.5°	1980.8	1389.5	679.0	253.9	122.0	89.1	80.0	76.5	75.1	75.1	75.7
75°	1214.1	780.7	300.2	124.2	85.6	75.1	70.9	69.4	68.7	69.4	68.7
77.5°	405.4	248.3	128.4	94.0	77.9	69.4	66.6	65.2	65.2	65.2	65.2
80°	124.2	108.0	98.2	87.0	73.7	66.0	61.8	61.0	61.8	62.4	60.3
82.5°	93.3	88.4	82.8	77.1	66.6	58.9	57.5	57.5	57.5	55.4	52.6
85°	68.7	68.0	56.1	52.6	49.1	49.1	49.1	49.1	47.0	43.4	40.7
87.5°	12.7	11.9	12.7	13.3	19.6	21.0	21.0	22.4	24.6	23.2	23.2
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°	699.3	699.3	699.3	699.3	699.3
2.5°	702.1	701.4	703.5	702.1	702.8
5°	708.4	707.7	709.1	707.7	709.8
7.5°	706.3	704.9	704.2	704.9	705.6
10°	691.5	690.1	689.5	688.7	689.5
12.5°	679.0	676.1	676.1	674.7	675.4
15°	669.9	667.7	667.0	665.6	666.3
17.5°	665.6	662.1	660.7	659.4	659.4
20°	662.8	658.6	656.5	655.1	654.4
22.5°	662.8	656.5	653.7	652.3	651.6
25°	665.6	657.9	653.7	651.6	650.9
27.5°	671.3	661.4	656.5	653.7	653.7
30°	681.0	668.5	661.4	657.9	657.2
32.5°	690.9	674.1	664.2	660.0	658.6
35°	695.8	674.1	662.1	655.1	653.7
37.5°	690.1	664.9	650.2	639.6	637.6
40°	672.7	646.0	629.9	620.0	618.6
42.5°	649.5	623.5	604.6	597.6	595.4
45°	618.0	587.1	568.1	558.3	559.0
47.5°	563.9	532.4	515.5	506.4	507.8
50°	500.1	469.2	454.5	444.7	446.8
52.5°	430.0	401.9	387.9	383.0	381.6
55°	356.3	334.6	324.7	319.2	317.0
57.5°	288.9	273.6	266.5	259.5	260.2
60°	227.9	220.3	218.1	210.4	209.7
62.5°	179.5	174.6	172.6	167.0	167.6
65°	136.1	134.7	136.1	132.6	134.0
66°	122.7	123.4	123.4	121.3	122.7
67.5°	106.0	107.3	109.4	107.3	108.7
70°	87.6	89.1	90.5	90.5	90.5
72.5°	76.5	77.9	78.5	78.5	78.5
75°	70.1	70.9	71.5	70.1	70.1
77.5°	66.0	66.0	64.6	63.8	63.2
80°	59.6	58.9	56.8	55.4	55.4
82.5°	49.8	48.4	47.0	44.9	44.9
85°	37.9	36.5	35.1	32.3	30.9
87.5°	19.6	20.4	19.6	16.1	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)