

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: P181642

Luminaire Tested: **ICM-F03-LED-E1-T4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181642  
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-F03-LED-E1-T4-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5876 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - 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

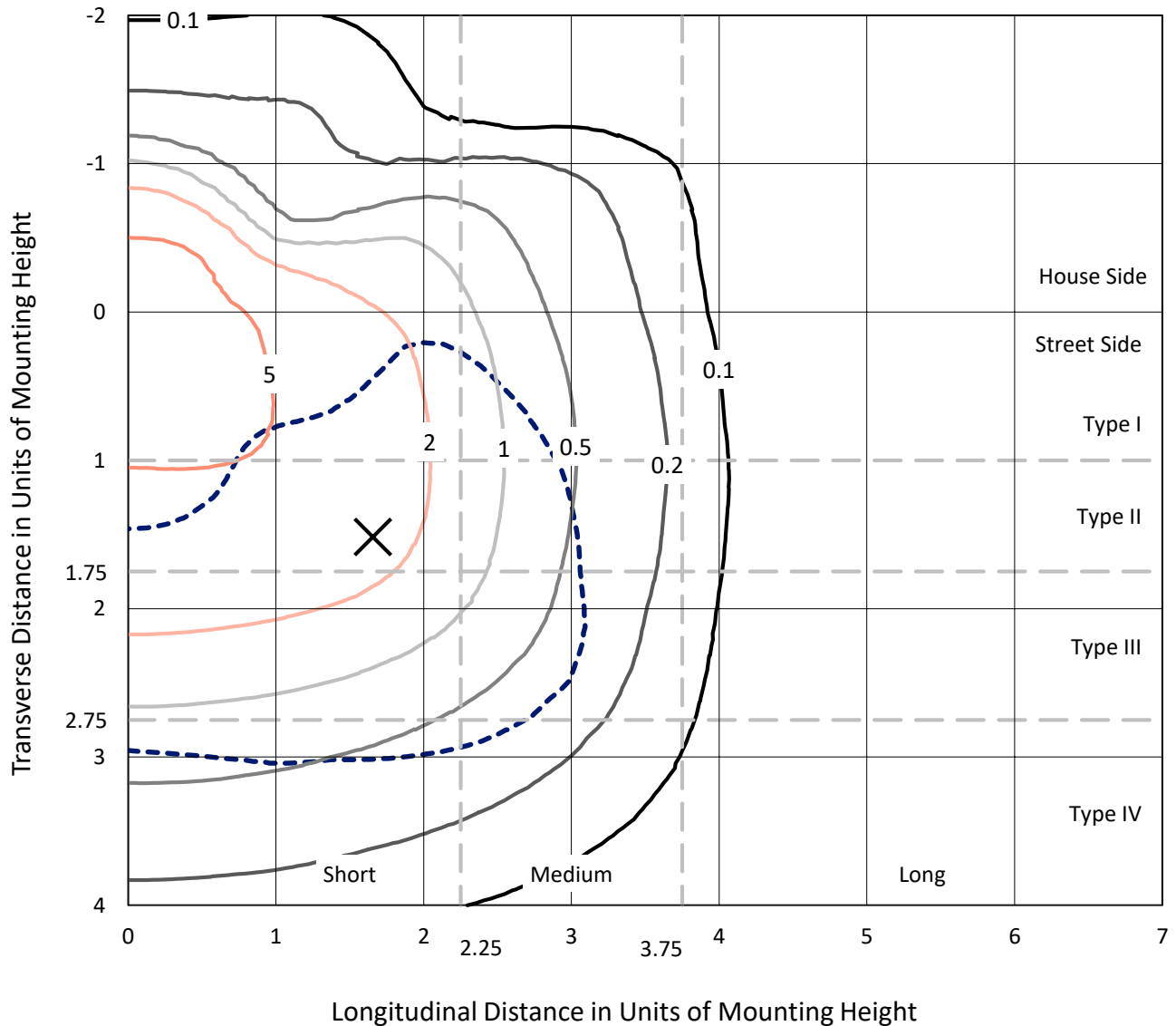


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

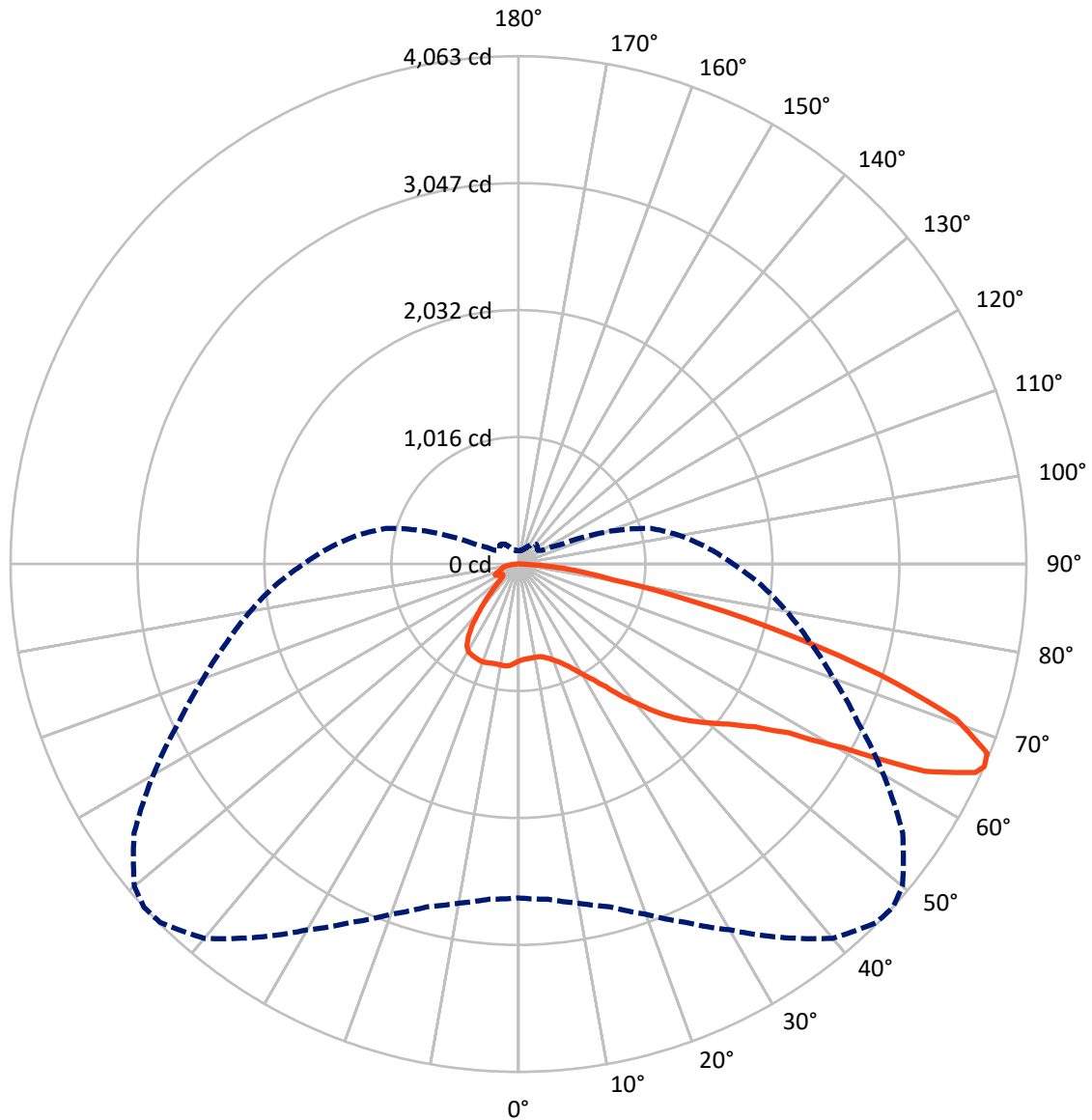


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - Semi-Cutoff

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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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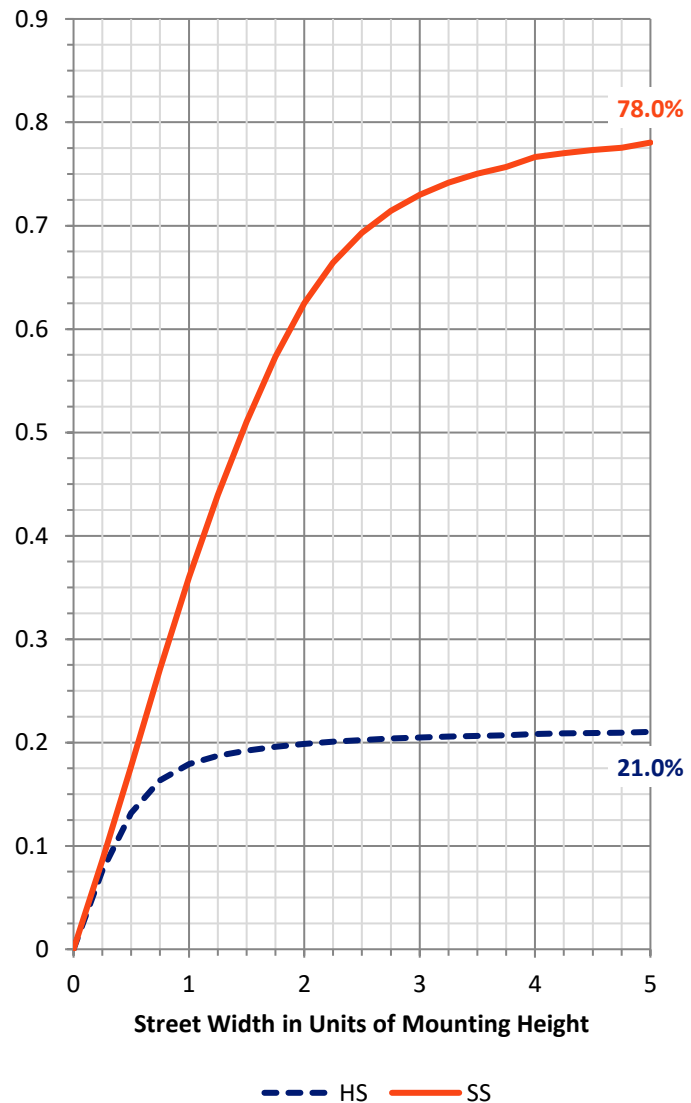
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1253.8	0.0	1253.8
	% Fixture	21.3	0.0	21.3
<b>Street Side</b>	Lumens	4622.2	0.0	4622.2
	% Fixture	78.7	0.0	78.7
<b>Total</b>	Lumens	5876.0	0.0	5876.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.2	1.3
10°-20°	228.4	3.9
20°-30°	393.3	6.7
30°-40°	595.1	10.1
40°-50°	771.3	13.1
50°-60°	1063.4	18.1
60°-70°	1652.1	28.1
70°-80°	960.7	16.3
80°-90°	136.6	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°	5876.0	100.0
0°-180°	5876.0	100.0



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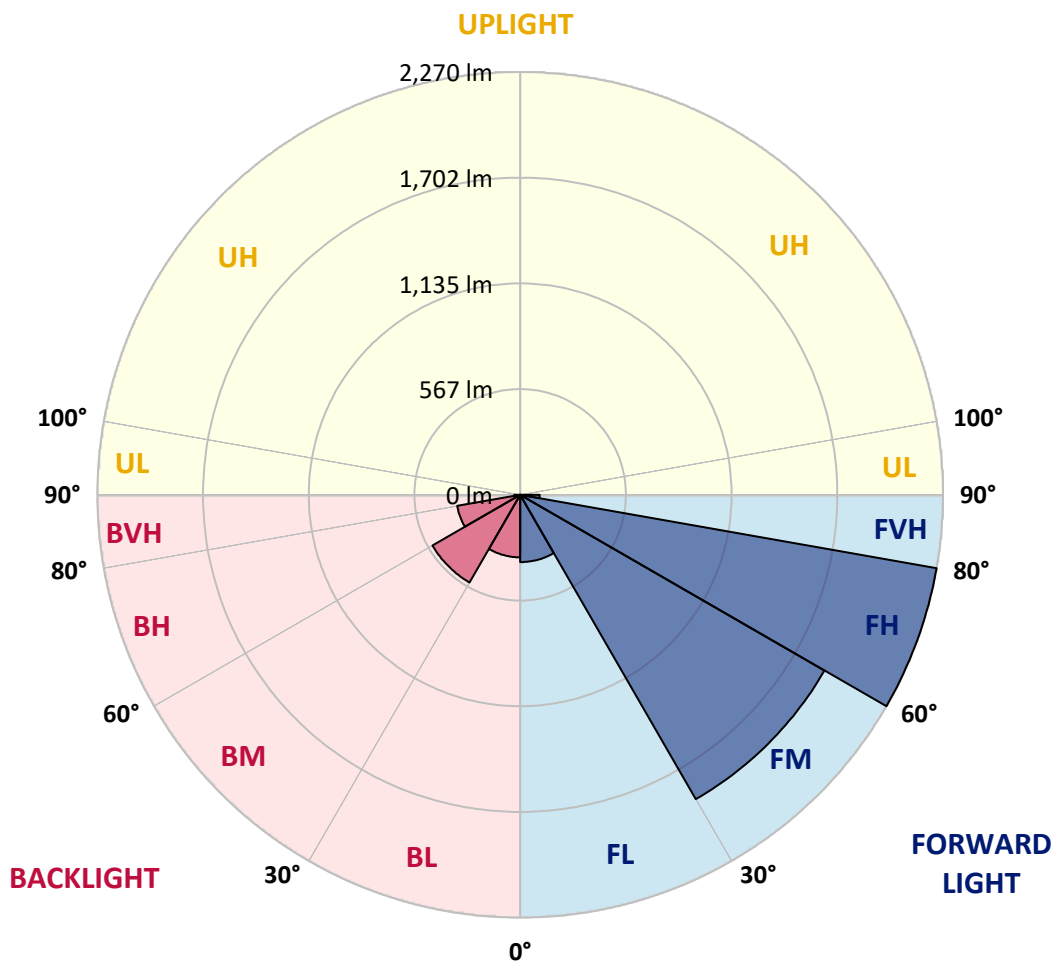
CATALOG NUMBER: ICM-F03-LED-E1-T4-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.3	6.1			
FM	(30°-60°)	1886.2	32.1			
FH	(60°-80°)	2269.9	38.6			G2/5000
FVH	(80°-90°)	104.8	1.8			G2/225
BL	(0°-30°)	335.6	5.7	B1/500		
BM	(30°-60°)	543.5	9.2	B1/1000		
BH	(60°-80°)	342.9	5.8	B1/500		G1/500
BVH	(80°-90°)	31.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5
2.5°	760.3	762.9	760.9	761.6	761.6	762.2	762.2	762.9	762.2	764.2	765.4
5°	746.6	747.9	747.3	748.6	749.9	752.5	751.8	755.1	755.7	757.7	760.9
7.5°	741.5	740.2	740.8	742.8	744.1	745.3	746.6	749.2	751.2	755.7	758.3
10°	746.6	746.0	746.6	747.9	747.9	748.6	747.3	749.9	751.2	755.1	757.7
12.5°	768.0	768.0	766.7	766.7	765.4	764.2	760.9	759.0	758.3	759.0	760.3
15°	802.4	801.1	798.5	796.6	794.0	789.4	784.8	781.0	778.4	774.5	773.2
17.5°	836.1	834.1	831.5	828.9	825.7	821.2	814.1	809.5	802.4	797.9	795.3
20°	875.0	871.1	867.8	864.6	858.1	856.8	849.7	842.0	833.5	823.2	821.9
22.5°	925.5	919.1	915.2	913.2	906.7	904.7	893.1	882.1	871.7	858.1	854.9
25°	976.8	970.2	968.3	965.7	961.2	958.6	947.5	935.3	921.7	902.9	899.0
27.5°	1026.6	1027.3	1022.1	1024.0	1022.7	1018.2	1007.2	994.9	984.5	962.5	958.0
30°	1088.8	1084.9	1082.3	1086.2	1081.8	1082.3	1072.7	1066.1	1049.3	1036.4	1027.3
32.5°	1153.7	1153.0	1156.9	1159.5	1158.9	1157.6	1149.8	1143.3	1128.4	1109.6	1105.7
35°	1242.4	1246.3	1249.6	1261.2	1261.2	1269.7	1261.9	1254.1	1236.7	1214.0	1206.1
37.5°	1302.7	1304.0	1317.0	1332.6	1352.0	1370.1	1375.4	1377.3	1370.1	1353.3	1341.6
40°	1357.9	1360.4	1381.1	1405.1	1433.7	1469.3	1490.7	1500.4	1502.3	1494.6	1469.3
42.5°	1412.9	1416.8	1438.2	1473.2	1512.8	1558.1	1595.7	1619.6	1633.3	1633.3	1618.3
45°	1477.1	1482.2	1505.6	1543.8	1589.9	1646.9	1698.7	1744.8	1766.8	1768.1	1753.9
47.5°	1552.9	1557.5	1584.7	1623.5	1670.9	1728.6	1794.1	1846.5	1887.4	1890.0	1878.2
50°	1650.8	1657.3	1679.9	1715.0	1763.5	1821.9	1887.4	1960.6	2003.4	2013.8	2001.4
52.5°	1780.4	1781.7	1800.5	1832.9	1880.2	1935.9	2005.3	2085.0	2141.4	2149.9	2129.8
55°	1959.3	1957.3	1969.7	2004.7	2040.3	2083.7	2155.6	2245.1	2308.0	2320.9	2300.2
57.5°	2202.3	2200.4	2210.8	2219.2	2286.0	2328.1	2398.7	2484.3	2545.2	2582.8	2547.2
60°	2578.9	2576.9	2593.8	2643.1	2692.9	2754.5	2823.3	2925.7	3011.2	3022.3	2987.3
62.5°	2851.7	2861.5	2898.4	2956.1	3057.2	3177.8	3303.6	3438.3	3614.0	3669.7	3652.9
65°	2756.5	2775.9	2827.2	2914.6	3049.4	3216.0	3413.0	3657.4	3892.7	4024.2	4020.4
66°	2670.9	2692.3	2755.2	2839.5	2982.1	3164.2	3379.4	3645.7	3908.9	4054.1	4063.1
67.5°	2515.4	2539.4	2600.9	2700.8	2839.5	3033.2	3264.7	3554.3	3851.8	4021.0	4045.0
70°	2212.8	2239.9	2284.7	2367.0	2503.7	2676.8	2920.5	3179.7	3491.5	3685.2	3714.4
72.5°	1849.8	1873.8	1923.6	1991.1	2103.2	2212.1	2403.3	2594.4	2817.4	3038.4	3017.0
75°	1328.0	1338.4	1368.2	1441.4	1501.7	1599.5	1753.2	1910.1	2062.3	2163.5	2177.7
77.5°	690.2	717.5	759.6	840.7	906.1	994.2	1094.1	1212.0	1323.4	1416.2	1390.9
80°	451.7	463.4	501.0	542.5	590.4	646.8	713.6	757.7	771.9	766.1	771.9
82.5°	260.6	282.0	331.8	363.6	399.3	418.7	471.8	522.4	550.9	515.3	502.3
85°	33.0	42.8	134.8	169.8	194.4	223.6	239.8	270.2	252.1	225.6	274.8
87.5°	7.2	6.5	9.1	19.4	20.1	16.8	31.7	33.7	20.7	10.3	12.9
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5
2.5°	766.7	767.4	768.7	770.6	771.9	773.2	774.5	776.5	777.8	779.1	781.7
5°	763.5	766.1	768.7	771.3	774.5	779.7	783.0	785.5	788.1	793.3	795.3
7.5°	761.6	766.1	770.0	774.5	779.7	784.3	790.1	793.3	797.2	800.5	804.3
10°	760.3	766.7	770.6	777.1	783.0	787.4	794.0	797.9	802.4	806.2	808.2
12.5°	762.9	766.1	770.0	776.5	783.6	790.1	797.2	800.5	804.3	807.5	808.2
15°	773.9	773.9	774.5	779.7	786.8	792.0	797.9	801.1	803.1	804.9	804.9
17.5°	794.0	789.4	786.1	786.8	791.4	794.6	797.9	797.9	796.6	795.9	794.6
20°	817.3	811.4	804.9	800.5	799.2	796.6	794.6	788.1	783.0	778.4	775.2
22.5°	851.0	842.0	832.8	824.4	816.7	806.9	795.9	783.0	770.6	762.2	757.0
25°	892.5	885.3	874.3	861.4	851.6	833.5	819.3	800.5	784.8	773.9	764.7
27.5°	951.4	943.1	932.7	921.0	906.7	886.6	869.1	847.1	828.3	812.1	800.5
30°	1024.7	1013.7	1005.9	991.6	982.0	959.3	941.8	914.5	878.2	852.3	836.1
32.5°	1099.9	1087.5	1081.1	1070.1	1059.1	1045.4	1018.9	976.8	930.1	887.9	860.1
35°	1200.4	1187.4	1175.7	1166.0	1149.8	1124.5	1101.2	1050.6	986.4	927.4	880.8
37.5°	1326.7	1305.3	1276.2	1251.5	1223.0	1186.7	1151.1	1099.3	1026.0	949.5	887.3
40°	1461.5	1423.9	1382.4	1336.5	1287.2	1234.7	1193.9	1141.4	1059.1	968.3	882.8
42.5°	1602.1	1542.5	1484.8	1420.0	1351.4	1289.1	1236.0	1178.3	1083.6	973.5	864.6
45°	1741.5	1674.8	1587.3	1502.3	1415.5	1338.4	1278.8	1214.0	1106.3	975.4	840.7
47.5°	1856.8	1788.2	1688.4	1582.1	1479.1	1391.5	1321.5	1251.5	1136.8	989.0	834.8
50°	1978.7	1895.2	1784.3	1658.5	1541.9	1444.0	1369.5	1296.9	1179.6	1024.0	853.6
52.5°	2111.6	2015.6	1886.1	1745.4	1617.8	1508.2	1427.2	1352.7	1234.1	1073.3	889.2
55°	2273.6	2156.3	2015.6	1856.8	1720.1	1598.9	1509.5	1421.3	1298.9	1131.6	934.0
57.5°	2521.2	2377.3	2219.2	2038.3	1886.7	1743.5	1636.6	1534.8	1399.4	1218.5	994.9
60°	2969.0	2815.5	2610.1	2391.0	2212.8	2045.5	1888.7	1762.2	1595.7	1389.6	1129.7
62.5°	3610.7	3406.5	3132.4	2825.9	2592.5	2351.5	2174.4	1986.5	1779.7	1557.5	1288.5
65°	3967.2	3719.7	3352.8	2996.9	2696.9	2435.0	2210.2	1992.4	1762.9	1550.3	1325.4
66°	4011.3	3753.3	3372.2	2997.6	2682.6	2413.6	2177.0	1951.5	1716.9	1514.1	1309.9
67.5°	3993.1	3729.3	3336.6	2941.2	2621.0	2332.0	2087.6	1853.7	1619.6	1430.4	1258.1
70°	3695.7	3445.4	3059.8	2676.8	2372.8	2087.6	1854.3	1624.2	1409.7	1247.6	1120.7
72.5°	3068.9	2855.0	2519.9	2219.2	1980.7	1745.4	1547.7	1328.0	1146.5	1026.6	951.4
75°	2215.3	2085.7	1780.4	1608.0	1398.7	1242.4	1050.6	920.4	790.1	731.7	718.8
77.5°	1399.4	1224.9	1031.2	849.0	698.1	578.8	450.4	382.4	318.9	312.4	377.2
80°	708.4	637.8	491.3	391.4	329.2	266.4	210.6	159.4	111.4	134.1	160.7
82.5°	464.1	387.0	303.4	249.5	217.1	180.2	140.0	97.2	71.3	80.4	110.1
85°	250.8	213.9	172.4	136.1	110.1	98.5	66.1	46.7	46.0	49.3	62.9
87.5°	18.1	18.1	14.2	12.9	15.5	12.9	11.6	11.6	11.0	11.6	15.5
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5	774.5
2.5°	783.0	784.8	785.5	788.7	790.7	792.0	793.3	793.3	794.0	795.9	796.6
5°	797.9	801.1	804.9	807.5	808.8	812.7	814.1	814.1	815.4	818.0	819.9
7.5°	806.9	811.4	815.4	816.7	819.3	820.6	822.5	823.8	823.8	826.3	827.6
10°	810.1	812.7	816.7	816.7	819.3	819.3	821.2	821.9	821.9	824.4	826.3
12.5°	810.1	811.4	814.7	814.7	816.7	817.3	819.9	821.9	822.5	825.7	828.3
15°	806.2	807.5	810.1	810.8	815.4	818.0	823.8	827.6	827.6	830.9	832.2
17.5°	795.3	798.5	803.7	808.8	817.3	823.2	830.2	833.5	830.9	828.9	827.0
20°	777.1	783.0	795.3	808.2	823.2	830.9	834.8	831.5	822.5	813.4	807.5
22.5°	759.0	770.6	791.4	810.8	827.6	832.8	830.9	819.3	804.3	793.3	785.5
25°	767.4	781.0	801.1	818.6	829.6	828.3	820.6	804.3	788.1	773.9	760.9
27.5°	802.4	817.3	828.3	834.1	832.8	823.8	811.4	793.3	773.9	755.1	736.9
30°	835.4	843.3	845.8	841.3	830.9	816.0	800.5	779.7	753.8	730.4	709.7
32.5°	850.3	842.6	830.2	818.0	801.1	788.1	766.7	744.1	711.6	683.8	663.1
35°	850.3	819.3	788.1	762.2	736.9	720.7	696.1	665.6	635.8	612.5	596.3
37.5°	831.5	771.9	720.7	678.6	646.8	629.3	592.4	565.2	539.9	532.1	521.8
40°	797.2	709.0	635.2	580.1	539.9	514.0	477.0	458.2	448.5	444.7	442.7
42.5°	751.2	639.1	540.6	472.5	429.0	399.9	375.3	363.6	363.0	362.3	362.3
45°	702.0	563.9	448.5	367.4	329.2	303.4	291.6	287.2	291.0	290.3	291.0
47.5°	671.4	506.8	364.3	278.0	248.8	232.0	226.2	228.2	231.4	230.0	230.0
50°	667.5	477.7	307.8	216.5	194.4	186.0	184.7	184.7	186.7	185.4	184.7
52.5°	681.9	473.1	278.7	186.0	168.6	161.4	160.1	159.4	158.8	154.9	151.6
55°	706.4	483.5	270.2	178.2	160.1	152.3	150.3	149.0	146.5	141.3	135.4
57.5°	755.7	515.9	278.0	182.1	162.7	156.2	154.2	154.2	149.0	140.7	132.2
60°	874.3	598.2	309.8	197.0	175.0	168.6	169.8	169.1	161.4	149.0	136.1
62.5°	1027.3	705.8	351.3	217.8	190.5	189.2	195.7	194.4	181.5	162.7	143.9
65°	1098.0	756.4	363.0	222.3	193.8	199.6	212.6	211.3	195.1	169.1	145.2
66°	1099.3	756.4	357.8	218.4	189.2	196.4	209.3	208.7	192.5	166.6	142.6
67.5°	1072.7	735.6	342.9	210.6	180.2	185.4	197.0	196.4	181.5	160.1	137.4
70°	972.8	658.5	304.7	197.0	167.9	165.3	169.1	166.6	156.8	142.0	126.4
72.5°	833.5	552.8	265.8	186.7	159.4	149.0	146.5	144.6	136.7	128.4	118.6
75°	656.6	437.5	233.3	178.9	151.6	138.0	133.5	130.9	125.8	119.9	112.1
77.5°	405.1	313.0	203.5	168.6	145.9	132.2	129.0	125.1	117.3	110.1	104.4
80°	180.8	193.8	167.3	147.2	130.2	118.0	112.7	107.0	99.2	94.6	91.3
82.5°	120.6	125.1	121.2	110.1	98.5	88.8	81.0	81.0	79.7	75.8	74.5
85°	77.1	77.8	75.2	68.1	63.5	57.7	54.4	55.1	57.7	57.0	56.4
87.5°	17.5	17.5	20.7	19.4	22.7	24.0	26.0	27.9	31.7	31.7	33.7
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°	774.5	774.5	774.5	774.5	774.5
2.5°	797.2	798.5	799.8	797.9	798.5
5°	819.9	819.3	822.5	820.6	821.9
7.5°	827.0	827.6	830.2	830.2	830.9
10°	827.6	828.9	832.2	834.1	835.4
12.5°	830.9	833.5	838.7	840.0	840.0
15°	833.5	834.8	838.1	839.4	840.7
17.5°	824.4	821.9	823.2	823.8	823.2
20°	801.8	799.2	798.5	795.9	797.2
22.5°	777.1	770.0	765.4	760.3	760.3
25°	747.3	736.3	727.2	718.1	720.1
27.5°	719.4	705.1	696.1	690.2	688.9
30°	692.2	677.3	668.8	661.8	661.8
32.5°	646.8	636.5	625.4	620.9	620.3
35°	584.0	577.5	568.4	566.4	563.3
37.5°	513.3	511.4	503.6	503.0	499.7
40°	439.4	440.7	438.1	436.8	434.9
42.5°	365.6	372.0	370.7	370.0	368.7
45°	294.9	299.4	300.1	302.0	305.3
47.5°	232.0	233.3	234.6	234.0	234.6
50°	181.5	178.2	177.6	175.6	177.6
52.5°	146.5	141.3	138.7	136.1	134.8
55°	129.0	123.8	121.2	119.9	118.6
57.5°	124.5	119.3	115.3	112.7	112.1
60°	125.8	118.0	112.7	109.5	108.9
62.5°	129.0	118.6	111.4	108.3	107.6
65°	128.4	117.3	110.8	107.0	106.3
66°	126.4	116.0	109.5	106.3	105.7
67.5°	123.2	114.0	108.3	105.7	104.4
70°	117.3	111.4	107.0	103.7	102.4
72.5°	112.1	107.6	103.7	100.5	99.8
75°	106.3	102.4	98.5	95.9	95.3
77.5°	99.2	95.3	92.7	90.7	90.0
80°	87.5	84.9	82.3	79.7	79.7
82.5°	72.6	70.6	68.1	66.1	65.5
85°	55.7	55.7	53.8	51.8	51.2
87.5°	33.0	32.4	32.4	30.4	30.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)