

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: P181175

Luminaire Tested: **ICM-F03-LED-E1-T2-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181175  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)  
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-T2-HSS  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3689.1 lumens  
Efficiency: N/A  
Efficacy: 47.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

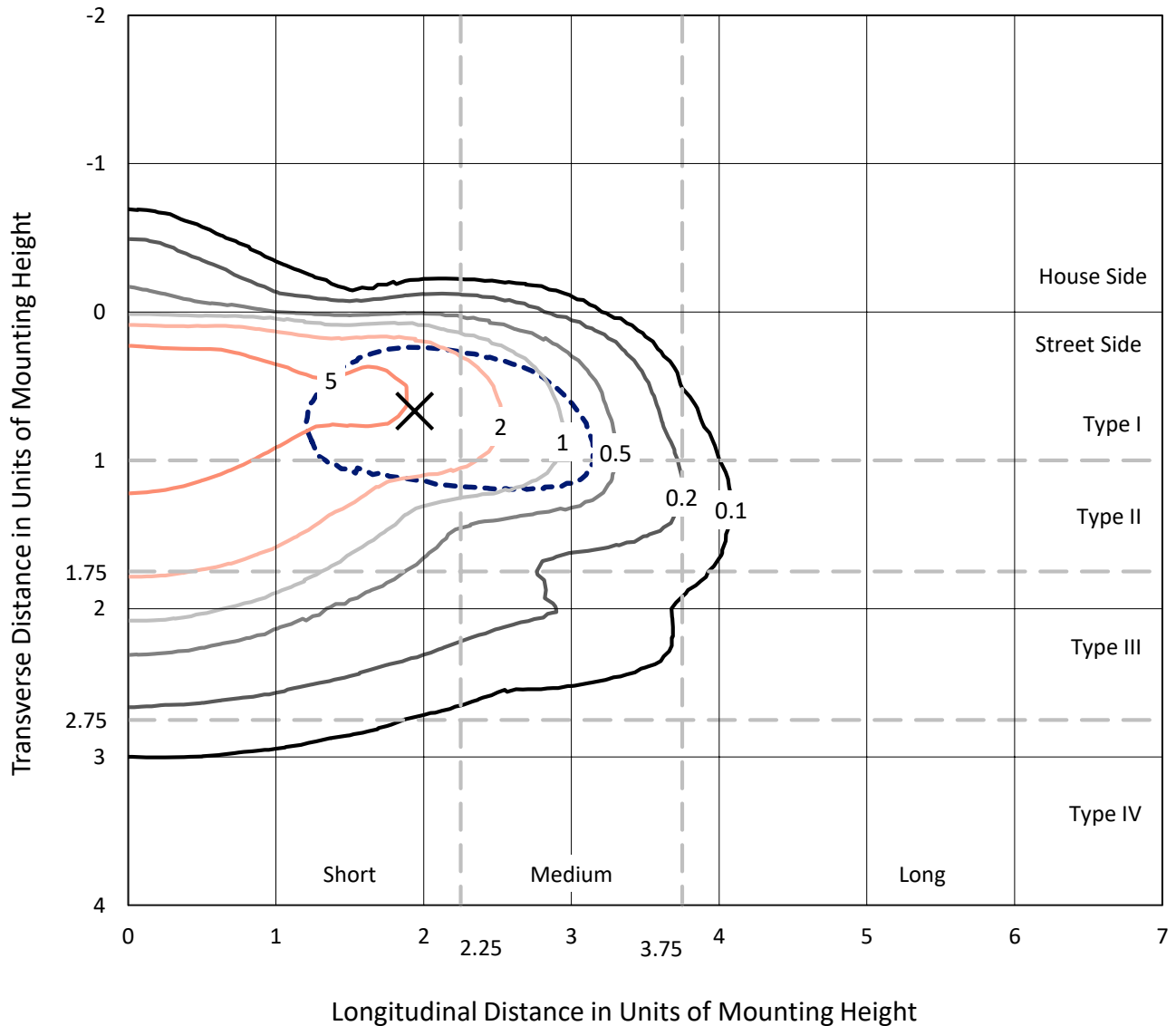
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

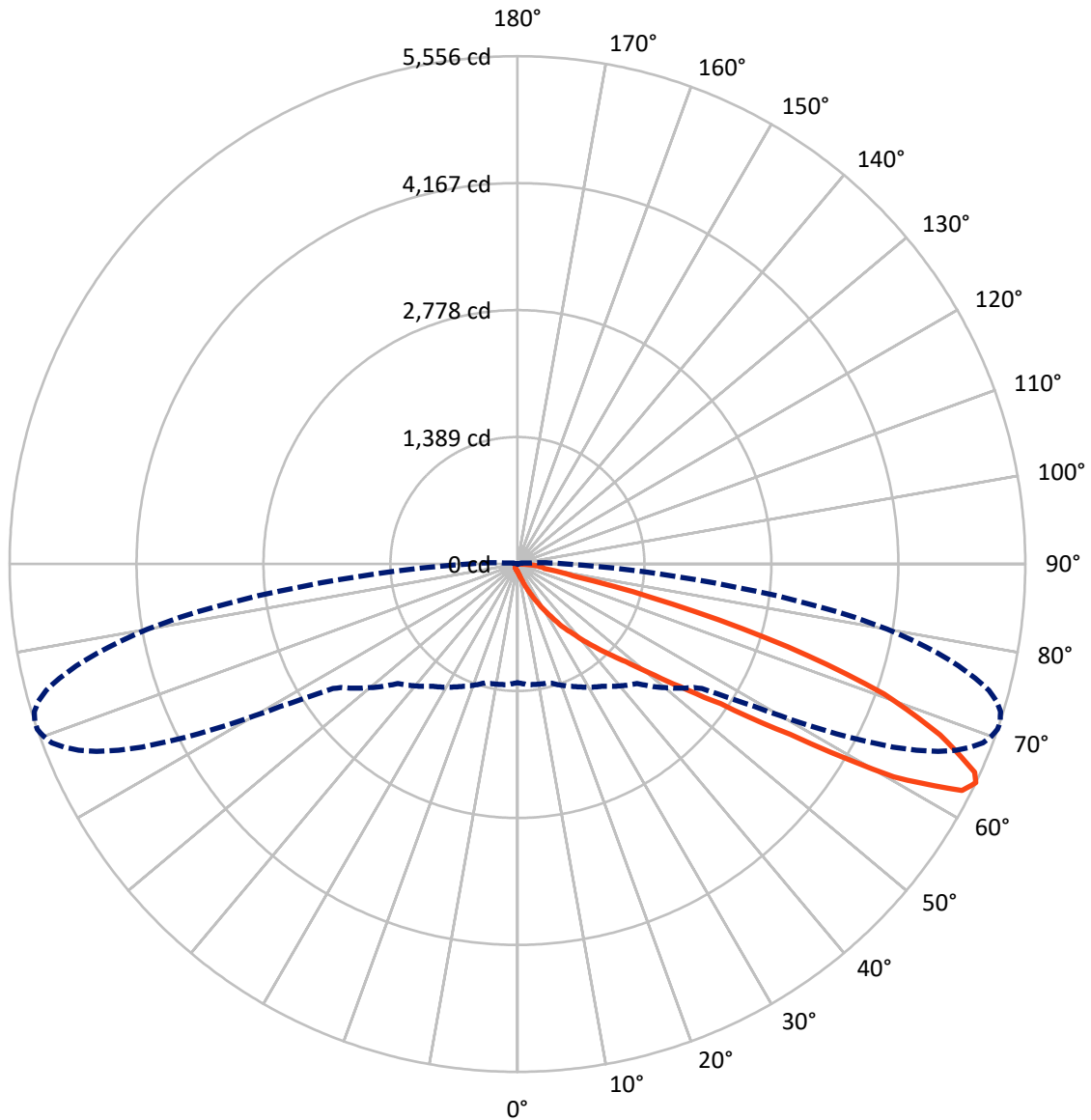
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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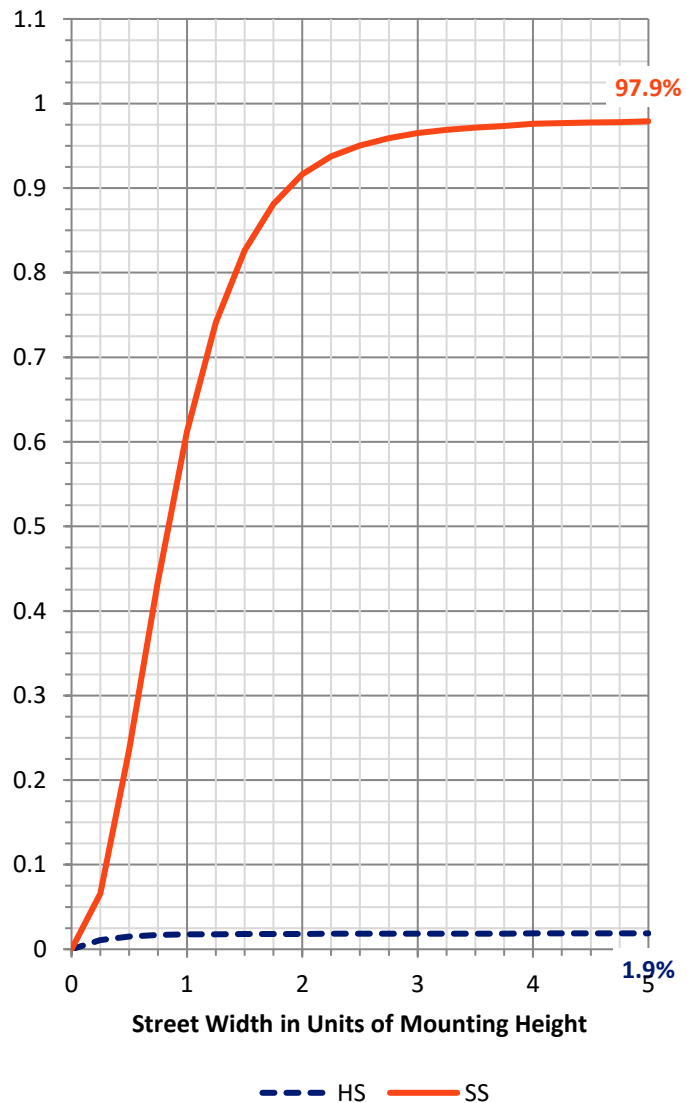
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	70.7	0.0	70.7
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	3618.4	0.0	3618.4
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	3689.1	0.0	3689.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	0.3
10°-20°	66.7	1.8
20°-30°	170.4	4.6
30°-40°	344.6	9.3
40°-50°	629.9	17.1
50°-60°	981.4	26.6
60°-70°	1090.8	29.6
70°-80°	355.7	9.6
80°-90°	38.3	1.0
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°	3689.1	100.0
0°-180°	3689.1	100.0



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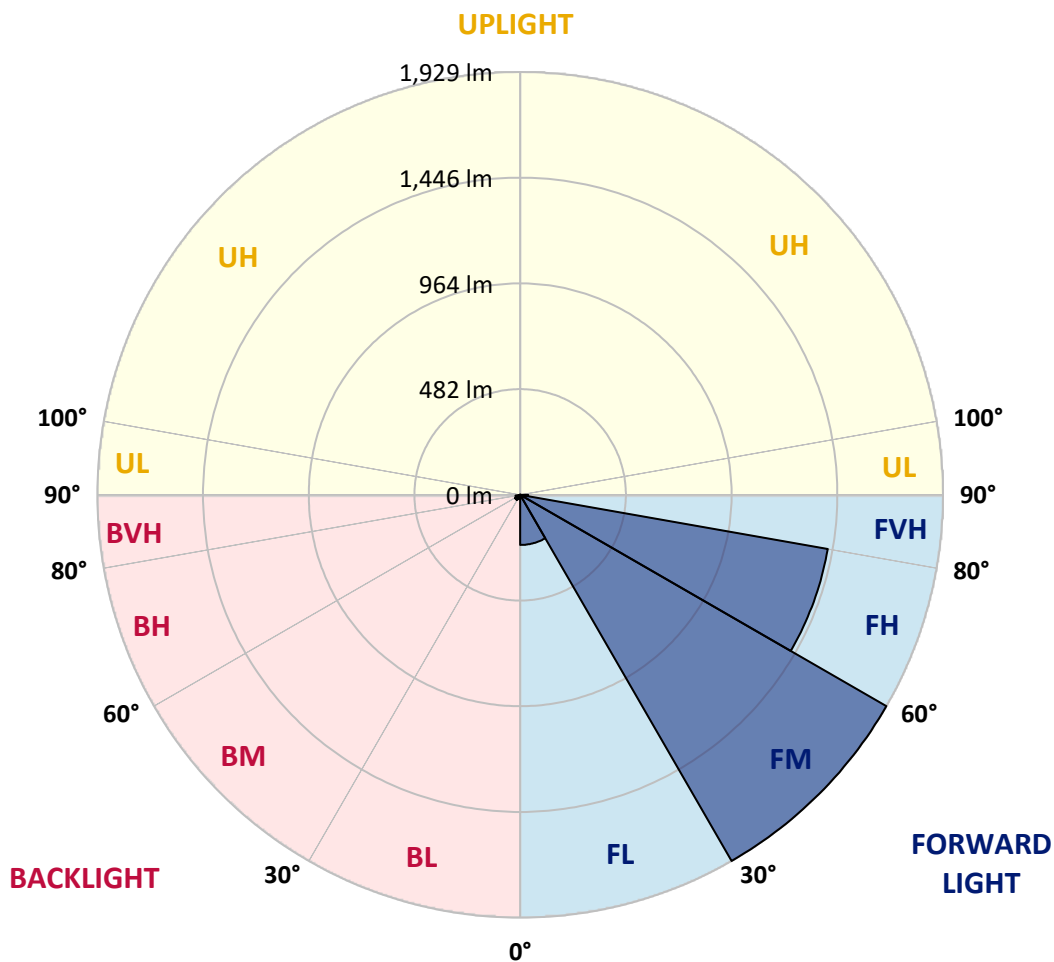
CATALOG NUMBER: ICM-F03-LED-E1-T2-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.7	6.2			
FM	(30°-60°)	1928.6	52.3			
FH	(60°-80°)	1424.7	38.6			G1/1800
FVH	(80°-90°)	36.4	1.0			G1/100
BL	(0°-30°)	19.7	0.5	B0/110		
BM	(30°-60°)	27.3	0.7	B0/220		
BH	(60°-80°)	21.8	0.6	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2.5°	110.6	109.0	109.0	106.7	103.6	100.6	97.5	96.7	96.0	95.3	95.3
5°	173.6	167.4	165.1	156.7	145.9	132.8	121.3	118.2	118.2	116.0	114.4
7.5°	272.7	269.6	253.4	244.9	219.6	188.2	155.2	152.1	151.3	148.2	143.6
10°	399.4	393.2	381.7	357.1	311.0	256.5	209.7	202.0	196.6	190.4	184.3
12.5°	526.0	518.3	501.5	461.5	415.4	345.6	270.3	263.4	255.0	246.5	236.6
15°	652.7	647.4	621.2	581.3	521.4	437.7	342.5	330.2	323.3	306.4	298.7
17.5°	762.5	755.6	734.9	689.6	627.4	535.3	422.3	407.0	395.4	385.5	367.1
20°	857.8	850.9	830.9	793.3	723.4	632.7	508.4	500.7	480.0	464.6	453.9
22.5°	916.2	913.9	900.7	864.7	802.5	721.9	606.7	594.4	580.6	559.8	547.5
25°	952.3	950.0	942.2	916.9	874.7	815.5	715.0	699.6	687.3	668.8	653.5
27.5°	989.9	988.4	982.1	959.9	937.7	900.7	824.7	816.3	789.4	778.7	764.1
30°	1052.1	1045.1	1050.5	1039.8	1011.4	988.4	935.4	923.1	911.5	893.1	880.1
32.5°	1151.2	1139.6	1151.2	1139.6	1127.4	1099.7	1049.0	1045.1	1033.7	1022.1	1003.7
35°	1272.5	1267.8	1277.0	1287.1	1277.0	1240.2	1178.8	1167.3	1162.6	1144.2	1137.3
37.5°	1394.6	1403.0	1419.9	1442.1	1436.0	1409.1	1322.4	1311.6	1303.2	1287.1	1274.8
40°	1525.9	1526.6	1562.7	1595.0	1611.2	1595.0	1480.6	1472.1	1460.6	1437.6	1434.5
42.5°	1668.8	1662.6	1689.5	1725.6	1758.6	1780.8	1689.5	1673.3	1657.2	1631.1	1613.4
45°	1795.5	1795.5	1816.9	1850.7	1901.4	1957.5	1909.9	1892.9	1877.6	1856.1	1836.1
47.5°	1889.1	1889.9	1903.0	1952.1	2031.2	2114.9	2116.4	2119.5	2108.0	2082.6	2083.4
50°	1955.2	1946.7	1964.4	2012.0	2103.4	2234.7	2329.1	2334.5	2343.7	2323.0	2329.1
52.5°	2003.5	1999.7	2011.2	2051.2	2142.5	2303.0	2503.5	2526.5	2540.3	2543.4	2568.8
55°	1978.2	1980.5	2008.1	2065.8	2164.0	2348.4	2651.6	2689.3	2721.6	2749.2	2780.7
57.5°	1894.5	1901.4	1949.8	2039.6	2168.7	2385.2	2809.1	2866.7	2927.4	3001.1	3063.3
60°	1760.8	1777.0	1842.2	1968.2	2124.1	2336.9	2855.9	2944.3	3037.2	3149.3	3274.4
62.5°	1565.0	1568.1	1611.2	1733.2	1905.2	2079.5	2640.9	2753.8	2876.7	3038.7	3213.8
64°	1297.0	1324.7	1344.7	1479.1	1632.7	1850.0	2356.8	2435.1	2606.3	2805.2	3025.7
65°	1070.5	1103.5	1119.6	1254.1	1429.9	1637.2	2109.5	2193.2	2373.7	2575.6	2850.5
67.5°	631.3	608.9	655.8	734.9	882.3	1128.1	1423.0	1486.7	1621.1	1861.5	2081.1
70°	407.0	407.0	450.0	530.6	667.4	855.4	977.6	950.7	979.1	1072.0	1227.2
72.5°	261.1	274.9	301.0	369.4	496.1	717.2	999.1	872.4	806.3	775.6	774.1
75°	119.1	126.7	155.2	195.8	264.9	467.6	1007.5	952.3	891.5	833.2	787.9
77.5°	25.3	29.2	49.1	101.4	129.0	215.8	715.0	797.9	863.9	883.2	883.2
80°	13.0	13.9	20.7	47.6	55.3	72.9	275.7	362.4	447.0	558.3	675.0
82.5°	5.4	6.1	12.3	21.5	23.1	22.2	72.9	92.2	126.7	184.3	274.9
85°	1.6	1.6	5.4	8.5	12.3	10.0	16.1	18.4	23.8	34.5	66.0
87.5°	0.0	0.0	0.7	1.6	2.3	3.8	4.7	4.7	4.7	4.7	4.7
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2.5°	94.4	94.4	93.7	92.9	92.9	91.3	91.3	90.6	90.6	89.9	89.9
5°	113.7	112.1	110.6	108.3	107.5	106.0	104.5	102.9	101.4	100.6	99.1
7.5°	141.3	139.7	135.2	132.1	128.3	126.0	122.9	120.6	118.2	116.7	113.7
10°	178.1	172.7	170.5	159.7	157.4	152.1	147.4	144.4	138.2	134.4	130.5
12.5°	230.4	220.4	216.6	198.1	192.7	185.1	179.7	172.0	165.1	160.5	153.6
15°	289.5	281.9	267.3	248.8	238.8	230.4	217.3	211.2	202.0	192.0	182.0
17.5°	360.2	346.3	330.2	306.4	294.1	281.0	268.7	255.7	240.4	231.2	220.4
20°	442.3	427.7	407.8	377.9	363.3	350.1	328.7	319.4	301.0	282.6	268.7
22.5°	532.2	517.6	498.4	464.6	445.4	423.9	406.2	390.1	368.7	350.1	334.0
25°	633.6	616.7	602.1	562.9	539.1	516.8	497.6	469.2	450.8	429.3	407.0
27.5°	748.7	728.7	709.6	666.6	644.3	619.7	596.7	566.7	549.1	513.8	493.0
30°	867.0	842.4	822.4	778.7	758.7	733.4	701.9	675.0	645.0	621.2	587.4
32.5°	991.4	971.4	955.4	909.2	883.9	852.4	824.0	795.5	769.5	731.1	700.4
35°	1124.3	1106.6	1088.9	1049.0	1026.7	1002.9	970.7	936.1	900.0	860.1	832.5
37.5°	1264.0	1250.2	1236.4	1188.0	1161.9	1136.6	1099.7	1065.1	1032.8	990.6	943.8
40°	1410.7	1397.7	1375.4	1335.5	1307.8	1284.8	1251.0	1218.7	1175.0	1128.1	1086.6
42.5°	1595.0	1566.6	1547.4	1503.6	1474.4	1449.1	1419.2	1370.8	1333.9	1277.9	1237.9
45°	1810.8	1783.9	1752.4	1707.9	1671.8	1630.3	1588.1	1555.1	1509.0	1458.3	1406.9
47.5°	2053.5	2031.9	1995.1	1951.4	1915.3	1873.8	1823.8	1781.6	1725.6	1666.4	1596.6
50°	2320.7	2298.4	2273.9	2224.7	2188.6	2149.4	2110.2	2060.4	2009.7	1939.1	1866.9
52.5°	2568.8	2573.3	2558.7	2535.7	2518.1	2477.3	2441.2	2393.7	2349.1	2284.6	2228.6
55°	2813.7	2853.7	2869.0	2891.3	2899.0	2866.0	2865.1	2795.3	2768.4	2730.8	2698.5
57.5°	3137.0	3225.3	3295.2	3430.3	3487.2	3544.8	3555.6	3506.3	3557.0	3491.8	3514.1
60°	3411.9	3574.0	3747.6	4097.0	4272.0	4404.1	4510.1	4588.4	4639.1	4725.1	4729.7
62.5°	3436.5	3691.5	3955.7	4465.5	4705.1	4905.6	5096.8	5230.5	5336.4	5433.9	5457.7
64°	3319.0	3634.6	3955.7	4572.3	4817.2	5039.9	5214.3	5347.1	5455.4	5516.0	5556.0
65°	3105.5	3458.8	3828.1	4501.6	4754.3	4990.8	5157.4	5291.1	5393.2	5453.9	5495.4
67.5°	2300.8	2642.4	3013.4	3797.4	4195.2	4411.7	4625.2	4812.7	4894.8	4971.6	4986.2
70°	1402.2	1650.3	1906.1	2633.2	3002.6	3391.9	3632.3	3906.4	4098.4	4216.8	4255.9
72.5°	846.2	932.3	1085.1	1476.0	1830.0	2103.4	2435.9	2697.8	2912.8	3031.8	3091.7
75°	753.3	742.6	762.5	925.4	1051.3	1215.6	1336.2	1500.6	1633.4	1674.9	1752.4
77.5°	870.8	840.1	808.7	778.0	771.8	756.4	731.8	738.0	679.6	623.5	625.1
80°	775.6	849.3	893.1	860.8	787.9	714.1	623.5	510.7	399.4	330.2	301.0
82.5°	389.3	553.7	711.9	868.6	857.8	792.5	692.7	569.0	440.8	338.7	270.3
85°	119.8	212.7	299.5	416.2	483.1	473.8	416.2	404.7	288.7	225.0	173.6
87.5°	5.4	5.4	5.4	4.7	5.4	5.4	5.4	6.1	6.1	6.9	6.9
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2.5°	89.9	89.1	88.3	87.5	87.5	87.5	86.8	86.8	86.0	86.0	85.2
5°	99.1	97.5	96.7	95.3	95.3	93.7	92.9	92.2	90.6	89.9	89.1
7.5°	111.3	109.9	107.5	105.2	104.5	102.1	99.8	98.3	96.7	95.3	93.7
10°	127.4	124.4	119.8	116.7	114.4	111.3	108.3	106.0	102.9	99.8	98.3
12.5°	148.2	142.0	137.5	132.1	127.4	122.9	117.5	114.4	111.3	106.7	103.6
15°	172.0	165.9	160.5	151.3	143.6	137.5	132.8	126.0	120.6	114.4	109.9
17.5°	212.7	196.6	185.9	176.7	168.9	157.4	148.2	140.6	133.6	126.0	120.6
20°	252.7	238.8	224.3	213.5	196.6	186.6	174.3	163.5	151.3	142.0	132.8
22.5°	311.0	293.4	274.9	258.8	235.7	222.0	205.8	192.0	176.7	161.3	151.3
25°	384.7	358.6	334.0	311.0	289.5	268.7	248.0	225.8	209.7	191.3	174.3
27.5°	462.3	433.1	409.3	379.4	351.7	326.3	300.3	276.5	248.8	225.0	205.0
30°	559.8	519.9	492.3	456.2	428.5	393.2	360.9	329.5	295.6	268.0	239.6
32.5°	658.9	632.0	585.1	554.4	513.0	470.7	436.9	400.8	359.4	323.3	288.7
35°	789.4	743.4	704.2	661.2	615.9	572.1	528.4	476.9	434.6	390.1	347.9
37.5°	904.7	857.8	812.5	756.4	704.9	658.9	605.9	552.2	502.2	449.2	398.5
40°	1038.2	979.9	926.1	873.9	810.1	755.6	700.4	633.6	575.9	517.6	457.7
42.5°	1184.2	1125.0	1061.3	1001.4	931.5	864.7	796.4	729.5	665.0	594.4	524.5
45°	1343.9	1281.7	1210.2	1142.0	1065.9	992.2	910.8	834.0	758.0	678.9	598.2
47.5°	1542.1	1462.1	1396.1	1310.9	1216.4	1138.9	1039.0	951.4	864.7	772.6	682.0
50°	1798.5	1707.9	1612.7	1518.2	1413.8	1315.4	1204.8	1101.2	985.2	882.3	778.7
52.5°	2138.7	2071.1	1960.6	1852.3	1724.8	1599.6	1447.5	1313.1	1164.2	1032.8	906.1
55°	2621.7	2577.2	2481.2	2362.9	2251.5	2068.8	1893.7	1684.8	1491.4	1302.4	1124.3
57.5°	3496.4	3448.0	3341.3	3312.9	3141.6	3007.3	2802.2	2531.9	2204.0	1915.3	1627.3
60°	4755.8	4661.3	4557.0	4537.7	4336.5	4195.2	3991.7	3703.7	3395.0	2934.3	2541.9
62.5°	5459.3	5430.8	5346.4	5242.7	5068.4	4858.7	4629.9	4351.1	4037.8	3633.9	3167.0
64°	5553.7	5527.6	5454.6	5337.9	5162.8	4954.7	4701.3	4423.3	4109.2	3740.6	3314.4
65°	5494.5	5457.7	5395.5	5288.0	5125.2	4925.5	4670.5	4388.8	4070.1	3715.3	3319.0
67.5°	5017.7	5000.8	4943.9	4844.1	4742.0	4562.3	4338.1	4086.2	3825.9	3474.2	3149.3
70°	4260.5	4248.2	4176.0	4136.1	3967.2	3853.5	3672.3	3474.2	3243.7	2998.8	2722.3
72.5°	3158.5	3117.0	3058.7	2998.0	2883.6	2727.7	2586.4	2375.2	2256.2	2049.6	1893.7
75°	1674.9	1648.8	1558.1	1431.5	1290.1	1217.2	1070.5	939.2	834.7	787.9	675.0
77.5°	579.0	527.5	476.9	420.1	333.3	262.6	209.7	167.4	132.1	116.7	97.5
80°	288.7	274.1	258.0	225.8	189.7	152.8	119.8	94.4	77.6	66.0	59.2
82.5°	234.2	207.4	185.1	162.0	129.8	106.7	84.5	69.1	56.8	50.0	43.8
85°	138.2	106.0	80.7	72.9	56.8	49.1	42.2	36.1	30.7	29.2	26.9
87.5°	5.4	6.9	6.9	5.4	6.9	6.1	6.1	5.4	5.4	5.4	5.4
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2.5°	85.2	84.5	84.5	83.7	83.0	83.0	83.0	82.1	80.7	77.6	75.3
5°	88.3	87.5	86.8	85.2	84.5	83.7	83.0	83.0	79.1	73.8	69.9
7.5°	92.2	90.6	89.1	87.5	86.8	85.2	83.7	83.0	77.6	70.6	66.8
10°	96.0	93.7	91.3	90.6	88.3	86.8	84.5	83.0	76.8	68.4	63.0
12.5°	100.6	97.5	94.4	92.2	89.1	87.5	85.2	83.0	75.3	66.0	59.9
15°	106.0	101.4	97.5	95.3	92.2	88.3	85.2	83.0	73.8	63.7	56.8
17.5°	112.9	107.5	102.9	98.3	93.7	89.9	86.8	83.7	71.4	60.7	53.0
20°	123.6	116.7	109.0	103.6	97.5	92.9	87.5	83.7	69.9	57.6	50.0
22.5°	138.2	127.4	119.1	109.9	102.1	96.0	89.9	85.2	67.5	54.5	46.0
25°	159.0	145.1	131.3	119.8	109.9	101.4	93.7	87.5	66.0	52.2	43.8
27.5°	182.0	165.9	147.4	133.6	119.8	107.5	99.1	91.3	66.0	50.7	41.5
30°	214.2	191.3	168.9	151.3	132.8	119.1	106.7	96.7	66.0	50.0	39.2
32.5°	253.4	227.4	198.9	173.6	152.1	132.1	116.7	103.6	67.5	48.4	37.7
35°	307.9	269.6	235.7	204.3	175.8	152.8	132.8	115.2	69.9	47.6	35.3
37.5°	351.0	304.8	261.9	225.8	192.7	164.4	139.0	119.8	67.5	44.6	33.0
40°	402.4	350.1	298.0	252.7	215.0	178.1	149.0	126.0	66.0	40.7	30.0
42.5°	464.6	399.4	338.7	287.2	240.4	196.6	162.0	133.6	66.0	38.4	27.6
45°	523.0	451.5	384.0	319.4	264.9	216.6	174.3	142.0	65.3	36.1	24.6
47.5°	595.2	510.7	431.5	357.1	294.1	235.0	187.3	149.8	64.5	33.8	22.2
50°	680.4	577.5	488.4	399.4	322.5	257.3	202.7	158.2	63.0	31.4	20.0
52.5°	774.9	664.3	550.6	447.7	357.9	281.0	217.3	165.9	60.7	29.2	17.7
55°	942.2	790.2	655.8	528.4	411.6	316.4	238.8	177.4	58.3	26.9	15.3
57.5°	1343.9	1092.0	901.6	709.6	542.1	406.2	297.2	210.4	55.3	23.8	12.3
60°	2110.2	1694.8	1371.5	1075.9	820.2	623.5	437.7	311.0	59.2	20.0	10.8
62.5°	2707.0	2229.3	1817.7	1446.8	1123.4	854.0	637.4	464.6	85.2	17.7	8.5
64°	2862.9	2379.1	1939.8	1551.3	1214.9	936.8	711.1	525.3	109.9	17.7	7.7
65°	2885.9	2425.1	1983.5	1589.6	1246.3	959.2	732.7	545.2	119.8	18.4	6.9
67.5°	2790.7	2398.2	1996.7	1605.8	1270.1	989.9	761.8	576.7	135.2	17.7	5.4
70°	2437.4	2148.7	1818.4	1502.1	1198.0	940.7	732.7	559.1	141.3	16.9	4.7
72.5°	1658.7	1459.8	1264.8	1040.6	834.0	687.3	534.5	394.0	99.1	13.9	3.8
75°	552.9	539.1	482.2	365.5	307.2	249.6	199.6	153.6	37.7	8.5	3.8
77.5°	92.2	79.1	69.1	66.0	55.3	53.8	46.9	37.7	16.1	5.4	3.8
80°	53.8	49.1	43.0	38.4	33.8	30.0	25.3	21.5	10.0	3.8	4.7
82.5°	39.9	35.3	31.4	27.6	23.8	20.7	17.7	14.6	5.4	3.8	4.7
85°	23.1	20.0	17.7	15.3	12.3	10.8	9.2	7.7	3.8	3.8	3.8
87.5°	4.7	4.7	3.8	3.8	3.8	3.8	3.8	3.1	3.8	3.8	3.1
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2.5°	73.8	71.4	70.6	70.6	70.6	70.6	70.6
5°	67.5	65.3	63.7	63.0	63.0	63.0	63.0
7.5°	63.0	59.9	58.3	56.8	56.8	56.1	56.1
10°	58.3	55.3	53.0	51.4	50.7	50.7	50.7
12.5°	54.5	51.4	48.4	46.9	46.9	46.0	46.0
15°	51.4	46.9	44.6	43.0	43.0	42.2	42.2
17.5°	47.6	43.8	41.5	39.9	39.2	39.2	39.2
20°	43.8	39.9	37.7	36.8	36.1	36.1	35.3
22.5°	40.7	36.8	34.5	33.8	33.0	33.0	32.3
25°	37.7	33.8	31.4	30.7	30.0	29.2	29.2
27.5°	35.3	31.4	29.2	27.6	26.9	26.1	26.1
30°	33.0	28.4	26.1	24.6	23.8	23.1	23.1
32.5°	30.7	26.1	23.1	21.5	20.7	20.0	20.0
35°	27.6	23.1	20.0	19.2	18.4	17.7	16.9
37.5°	25.3	20.0	17.7	16.1	15.3	14.6	14.6
40°	22.2	17.7	15.3	13.9	12.3	11.5	11.5
42.5°	20.0	15.3	13.0	10.8	10.0	9.2	9.2
45°	17.7	13.9	10.8	8.5	7.7	6.9	6.9
47.5°	15.3	11.5	8.5	6.9	6.1	5.4	5.4
50°	13.0	9.2	6.1	4.7	5.4	4.7	4.7
52.5°	11.5	6.9	4.7	4.7	4.7	4.7	4.7
55°	9.2	5.4	3.8	3.8	4.7	4.7	4.7
57.5°	7.7	3.8	3.1	3.8	3.8	3.8	3.8
60°	5.4	3.1	3.1	3.8	3.8	3.8	3.8
62.5°	4.7	3.1	3.1	3.1	3.8	3.8	3.8
64°	3.8	3.1	3.1	3.1	3.8	3.8	3.8
65°	3.8	3.1	3.1	3.1	3.8	3.8	3.8
67.5°	3.8	3.1	3.1	3.1	3.8	3.8	3.8
70°	3.1	3.1	3.1	3.1	3.8	3.8	3.8
72.5°	3.1	3.1	3.1	3.1	3.8	3.8	3.8
75°	3.1	3.1	3.1	3.1	3.8	3.8	3.8
77.5°	3.1	3.1	3.1	3.8	3.8	3.8	3.8
80°	3.1	3.1	3.1	3.8	3.8	3.8	3.8
82.5°	3.1	3.1	3.1	3.8	3.8	3.8	3.8
85°	3.1	3.1	3.1	3.8	3.8	3.8	3.8
87.5°	3.1	3.1	3.1	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)