

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: P180572

Luminaire Tested: **ICM-F02-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180572  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F02-LED-E1-SL3-HSS-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (14) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2432.2 lumens  
Efficiency: N/A  
Efficacy: 44.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 55  
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

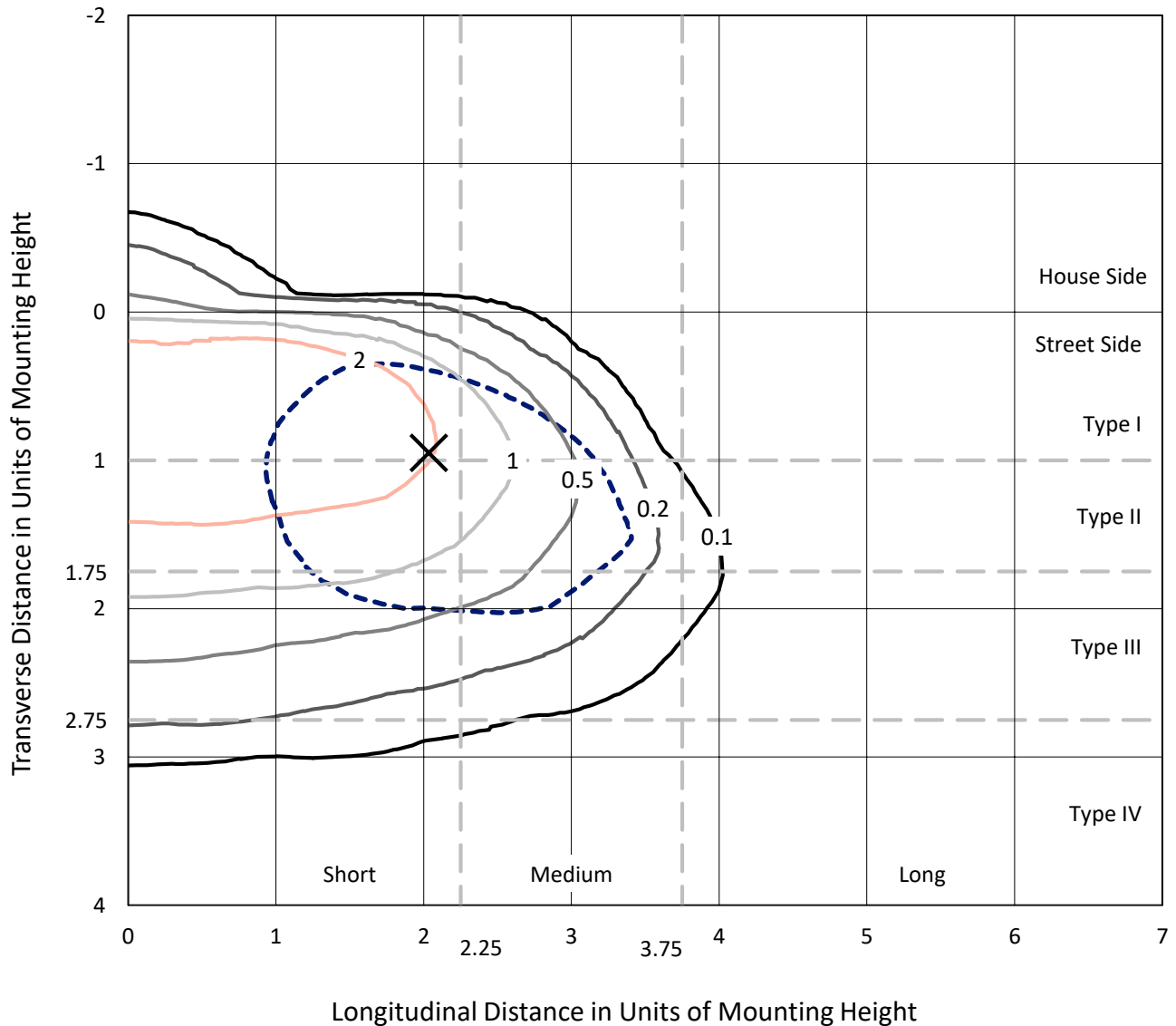


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### Iso-Footcandle Lines of Horizontal Illumination

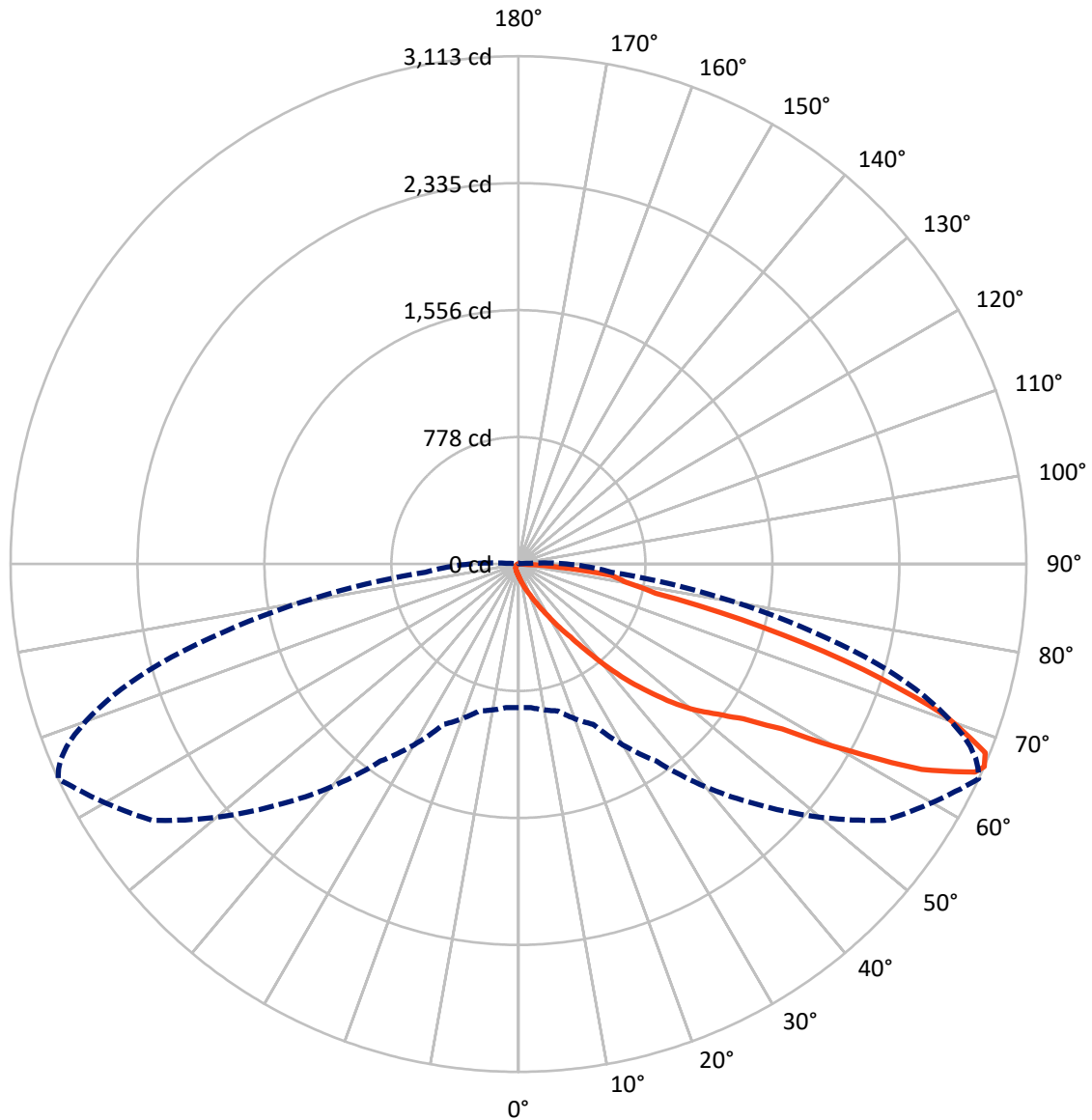
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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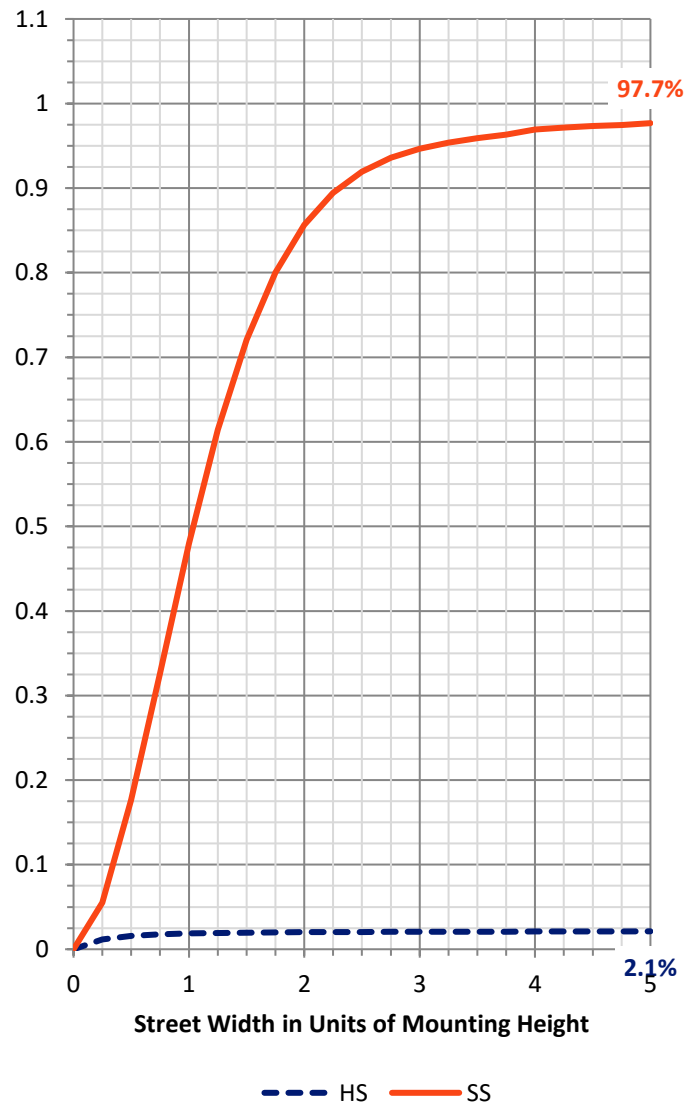
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	52.7	0.0	52.7
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	2379.5	0.0	2379.5
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	2432.2	0.0	2432.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.2	0.3
10°-20°	34.8	1.4
20°-30°	75.2	3.1
30°-40°	160.5	6.6
40°-50°	354.9	14.6
50°-60°	601.5	24.7
60°-70°	802.7	33.0
70°-80°	353.6	14.5
80°-90°	40.7	1.7
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°	2432.2	100.0
0°-180°	2432.2	100.0



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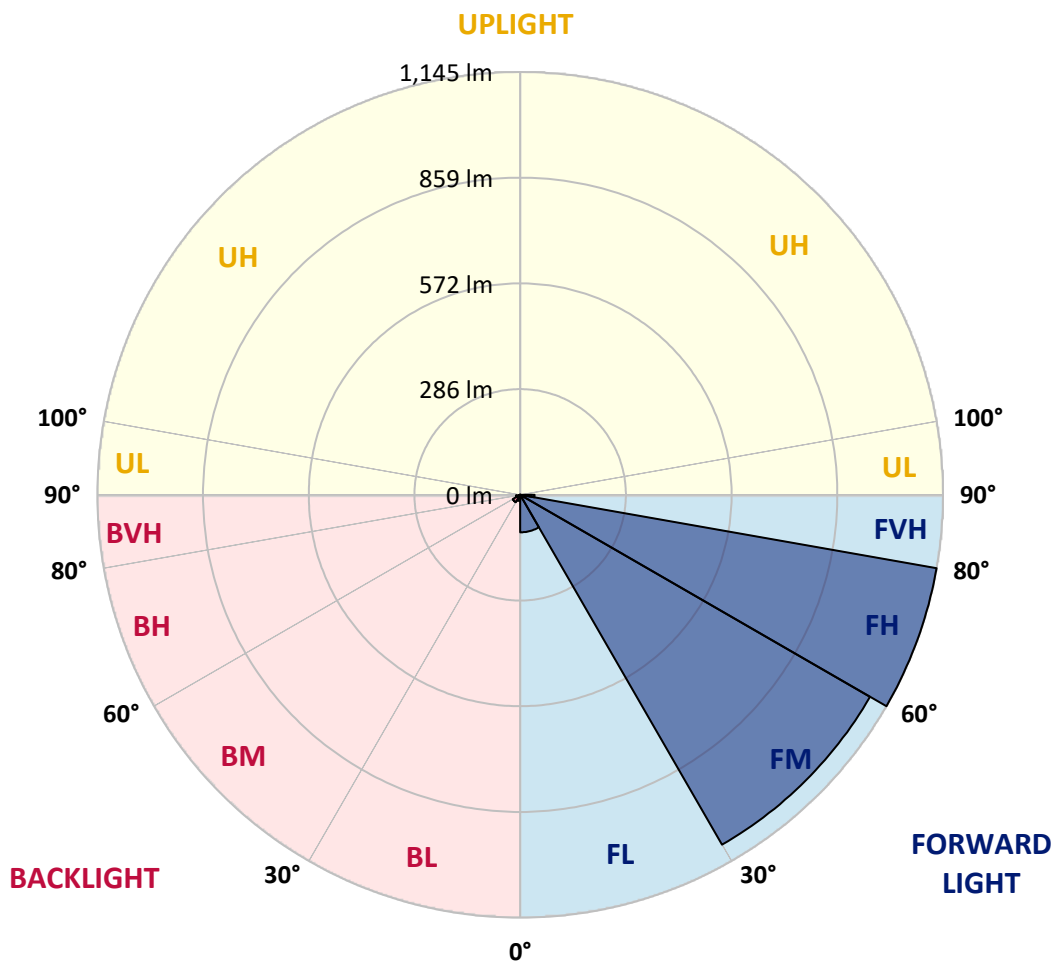
CATALOG NUMBER: ICM-F02-LED-E1-SL3-HSS-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.6	4.2			
FM	(30°-60°)	1093.8	45.0			
FH	(60°-80°)	1145.0	47.1			G1/1800
FVH	(80°-90°)	39.1	1.6			G1/100
BL	(0°-30°)	16.6	0.7	B0/110		
BM	(30°-60°)	23.1	1.0	B0/220		
BH	(60°-80°)	11.3	0.5	B0/110		G0/110
BVH	(80°-90°)	1.6	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2.5°	92.6	92.1	90.2	90.2	87.4	85.6	83.3	80.9	80.9	80.5	80.0
5°	122.5	119.7	119.3	114.0	109.9	103.8	98.2	90.7	89.8	88.8	88.4
7.5°	155.7	155.3	151.1	144.9	136.6	125.3	114.0	102.0	100.1	99.2	97.3
10°	198.7	196.4	190.8	180.5	167.9	152.9	134.7	115.5	113.1	111.3	110.3
12.5°	239.9	235.6	232.4	219.3	203.4	181.4	159.4	131.9	130.0	127.6	123.9
15°	278.2	274.5	268.8	257.7	239.9	212.3	186.6	152.9	148.2	144.9	142.1
17.5°	308.2	305.8	299.3	286.6	267.4	243.2	212.3	174.4	170.7	166.4	161.3
20°	336.7	333.4	323.1	305.8	285.2	266.5	242.7	202.5	197.3	192.2	186.6
22.5°	363.8	360.6	343.7	315.2	293.2	285.2	276.8	234.2	226.3	222.1	216.5
25°	401.7	394.6	368.5	323.1	293.7	299.7	314.2	275.4	267.9	261.9	252.9
27.5°	452.7	443.3	402.1	334.8	295.5	315.6	357.2	325.5	317.5	310.5	300.7
30°	510.1	504.1	455.0	362.9	309.1	339.0	405.4	389.0	379.7	371.3	359.5
32.5°	568.1	559.7	511.1	416.2	345.6	384.4	465.8	462.9	450.8	442.8	430.1
35°	619.1	614.9	578.9	503.6	428.7	463.8	546.1	549.4	538.7	530.2	516.2
37.5°	653.7	653.7	646.7	597.6	561.1	587.3	664.5	664.9	654.1	635.0	628.0
40°	671.4	676.7	701.9	711.2	709.3	743.0	819.7	811.3	802.4	792.6	769.2
42.5°	707.9	712.7	766.4	830.9	873.0	917.4	970.2	967.4	956.7	938.9	917.4
45°	769.7	775.7	839.8	942.2	1028.8	1091.8	1125.5	1112.4	1101.7	1084.8	1073.6
47.5°	848.2	859.9	932.4	1059.1	1163.4	1267.6	1302.7	1268.1	1258.8	1245.7	1227.4
50°	931.9	943.2	1020.3	1165.2	1283.1	1407.5	1465.9	1407.5	1393.9	1389.7	1369.1
52.5°	1004.4	1013.8	1088.1	1247.1	1374.7	1520.7	1605.7	1528.6	1518.7	1504.8	1489.8
55°	1047.4	1054.9	1124.6	1286.3	1436.9	1622.5	1740.8	1673.0	1658.5	1652.9	1631.5
57.5°	1061.9	1069.4	1132.0	1291.5	1470.6	1715.6	1904.9	1907.4	1890.1	1869.9	1863.4
60°	1061.9	1070.3	1123.2	1278.9	1503.4	1814.7	2123.8	2318.8	2281.4	2277.7	2253.8
62.5°	1018.0	1025.9	1079.2	1240.1	1547.3	1948.5	2428.7	2772.9	2762.1	2737.8	2698.5
65°	922.6	927.3	979.6	1140.9	1530.4	2071.5	2692.9	3074.9	3057.6	3009.9	2959.4
66°	879.5	883.3	932.4	1084.4	1475.3	2088.3	2739.6	3112.8	3084.3	3044.0	2987.0
67.5°	817.4	823.9	858.5	979.2	1342.9	2029.9	2710.2	3086.2	3061.3	3012.8	2955.6
70°	545.7	541.0	663.1	751.4	1023.1	1653.9	2431.5	2771.0	2771.5	2748.5	2725.6
72.5°	259.1	261.9	297.4	462.4	669.6	1104.9	1935.4	2211.7	2243.5	2202.3	2173.9
75°	186.1	190.3	211.8	282.9	399.4	663.1	1254.5	1546.8	1547.7	1474.8	1409.8
77.5°	54.2	56.6	79.5	174.4	299.3	447.4	720.6	859.9	839.8	787.4	738.3
80°	22.4	22.4	23.3	55.6	120.2	303.9	504.1	662.1	659.8	639.6	610.7
82.5°	8.4	8.9	11.3	22.9	28.6	74.8	336.2	574.7	573.3	544.7	524.2
85°	0.9	0.9	2.8	9.9	10.8	14.0	67.3	253.4	252.0	253.4	222.1
87.5°	0.0	0.0	0.5	0.9	1.4	1.9	2.8	9.9	10.8	10.3	9.4
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2.5°	80.0	79.0	79.0	78.5	78.5	78.5	78.0	77.6	77.6	77.1	76.7
5°	87.4	86.5	86.0	85.1	84.7	84.2	83.3	82.8	81.9	81.4	80.9
7.5°	96.3	94.4	94.0	92.6	91.2	90.2	89.3	87.9	87.0	85.1	84.7
10°	107.5	105.2	103.3	101.5	100.1	97.8	96.3	94.4	92.6	91.2	89.8
12.5°	122.0	118.8	116.0	114.0	110.8	108.0	105.2	103.8	100.1	98.2	95.8
15°	138.0	134.2	130.9	127.2	124.8	120.2	116.5	112.2	110.3	107.1	103.3
17.5°	158.5	152.5	147.3	143.5	138.9	134.2	130.0	125.8	120.2	116.5	111.7
20°	180.5	175.3	168.4	161.8	156.2	150.6	144.5	138.9	133.8	127.6	122.0
22.5°	208.6	201.0	192.7	186.1	178.6	172.6	164.1	156.7	148.2	140.3	133.8
25°	244.1	234.2	226.3	216.9	208.1	198.7	188.5	179.1	168.4	160.8	149.7
27.5°	288.0	278.7	267.9	255.8	246.9	232.8	219.3	207.6	195.0	183.3	170.7
30°	344.2	330.6	319.4	307.7	290.0	276.4	260.5	244.6	227.3	215.5	196.4
32.5°	411.4	397.0	380.2	363.4	347.0	327.8	308.2	288.5	269.3	247.8	228.2
35°	493.8	476.5	457.3	439.1	413.9	393.2	368.5	341.3	319.8	295.1	270.2
37.5°	602.7	574.2	557.4	538.2	504.1	476.0	448.5	421.3	383.4	357.2	322.1
40°	739.3	722.4	694.9	664.0	633.1	596.2	558.8	522.8	478.8	442.3	401.7
42.5°	899.6	874.9	846.8	802.4	771.1	727.5	685.0	637.3	583.5	536.8	489.1
45°	1050.2	1020.8	999.3	954.8	922.1	870.7	819.3	768.7	706.5	646.2	591.1
47.5°	1212.9	1188.7	1153.1	1117.1	1083.9	1025.9	970.2	909.0	843.5	772.0	700.5
50°	1356.0	1336.8	1312.6	1269.0	1232.1	1183.4	1118.1	1051.2	968.4	897.3	815.9
52.5°	1477.6	1462.6	1428.5	1397.7	1364.5	1318.6	1260.2	1196.1	1106.8	1028.8	936.1
55°	1621.1	1610.4	1580.5	1561.3	1531.8	1487.9	1433.2	1373.8	1279.4	1194.2	1089.5
57.5°	1856.4	1847.9	1821.8	1813.8	1784.8	1746.4	1679.2	1615.5	1505.2	1399.5	1279.8
60°	2245.9	2229.0	2190.7	2171.1	2109.8	2058.3	1970.9	1883.5	1750.2	1615.5	1471.5
62.5°	2663.0	2615.7	2542.8	2480.1	2393.1	2303.8	2187.0	2053.2	1897.0	1737.1	1571.5
65°	2887.8	2807.5	2715.4	2615.7	2503.1	2371.6	2224.4	2064.0	1896.1	1727.3	1552.4
66°	2913.6	2822.9	2725.1	2614.3	2489.0	2349.2	2199.5	2031.3	1856.8	1692.2	1517.3
67.5°	2881.3	2786.4	2683.1	2560.1	2424.5	2279.5	2122.4	1947.5	1779.6	1612.8	1442.5
70°	2655.5	2561.0	2468.9	2339.4	2194.9	2049.0	1900.3	1704.8	1545.9	1392.5	1241.0
72.5°	2120.6	2056.5	1965.3	1854.5	1713.8	1542.6	1418.7	1243.8	1105.9	957.1	839.8
75°	1325.1	1234.9	1122.2	981.0	873.5	734.6	662.1	529.3	450.8	382.0	315.6
77.5°	677.6	609.8	530.7	451.3	375.0	299.3	231.4	163.6	110.3	76.7	57.0
80°	559.7	499.8	434.4	362.0	294.6	228.7	164.6	112.2	71.5	46.8	36.5
82.5°	462.4	411.9	353.5	286.1	227.7	179.5	124.8	81.4	50.5	32.7	25.7
85°	196.8	178.6	138.0	109.4	82.3	60.7	42.5	28.6	20.1	16.4	15.0
87.5°	8.4	9.4	8.9	7.0	5.1	5.1	4.7	3.7	3.7	3.7	3.7
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2.5°	76.7	76.2	75.7	75.7	75.3	74.8	72.0	69.7	66.9	65.0	63.2
5°	80.0	79.5	78.5	78.0	77.1	76.7	70.6	65.5	61.2	58.0	55.6
7.5°	83.3	82.8	81.4	80.0	79.5	78.5	68.7	62.2	56.6	52.8	50.5
10°	87.4	86.0	84.7	82.8	81.4	80.0	66.9	58.4	52.4	49.1	46.8
12.5°	93.5	91.2	88.8	86.5	84.7	82.3	66.0	55.2	49.1	45.4	43.0
15°	100.6	97.3	94.4	91.6	88.4	86.0	64.1	52.4	46.3	42.5	39.7
17.5°	107.1	103.3	99.2	94.9	91.6	88.4	62.2	49.6	43.4	39.7	36.9
20°	116.5	110.8	105.7	100.6	95.8	91.6	59.3	46.8	41.1	36.9	34.1
22.5°	126.7	120.2	113.6	106.6	100.6	94.9	57.0	44.5	38.8	34.6	31.3
25°	139.8	131.9	123.0	114.0	107.1	99.6	54.7	42.0	36.5	32.3	29.0
27.5°	158.0	146.8	137.0	125.8	115.1	106.6	52.8	40.2	34.1	30.0	26.7
30°	182.8	166.4	151.1	138.9	126.2	114.0	51.0	37.9	32.3	27.6	23.8
32.5°	210.4	191.3	173.5	155.3	139.3	125.3	49.1	36.0	30.0	25.2	22.0
35°	244.6	220.3	196.4	175.3	156.2	137.5	47.3	34.1	28.1	22.9	19.6
37.5°	293.7	263.3	231.9	204.8	180.0	155.3	45.9	32.3	25.7	20.6	17.3
40°	361.0	321.7	283.4	246.4	214.1	183.3	44.0	30.4	23.8	18.7	15.4
42.5°	434.0	386.2	335.7	294.1	249.7	210.9	42.0	28.6	22.0	16.8	13.6
45°	524.7	465.2	404.0	347.4	293.2	243.2	40.2	26.7	19.6	15.0	11.7
47.5°	623.8	548.0	478.8	407.7	343.3	283.4	37.9	25.2	17.8	13.1	10.3
50°	725.7	645.8	558.3	477.4	400.7	323.5	35.5	22.9	15.9	11.7	8.4
52.5°	835.6	741.1	651.8	551.3	462.0	376.4	33.2	21.0	14.5	10.3	7.0
55°	975.4	869.8	765.0	652.3	544.7	437.7	30.9	18.7	12.7	8.9	5.6
57.5°	1151.3	1025.9	897.3	770.1	639.6	518.0	29.0	16.4	10.8	7.4	4.7
60°	1317.2	1170.9	1015.2	868.7	721.5	579.8	26.1	14.5	9.4	6.0	4.7
62.5°	1403.3	1236.3	1068.5	907.2	750.1	601.8	23.3	12.2	7.9	5.1	4.2
65°	1382.2	1212.0	1049.3	886.5	732.7	587.7	20.6	10.8	7.0	4.7	4.2
66°	1351.8	1183.4	1019.8	865.0	718.2	572.8	19.2	10.3	6.5	4.7	3.7
67.5°	1285.4	1122.7	966.5	822.5	678.5	544.3	17.3	9.4	6.0	4.2	3.7
70°	1098.0	950.1	825.3	697.2	579.8	458.7	14.0	7.9	5.1	3.7	3.7
72.5°	726.6	626.1	542.9	467.2	390.4	303.0	11.7	6.5	4.2	3.7	3.3
75°	274.0	247.8	212.7	191.3	167.0	146.3	9.4	4.2	3.3	3.3	3.3
77.5°	48.7	44.9	39.7	36.5	33.7	30.9	7.4	2.8	2.8	3.3	3.3
80°	32.7	30.4	27.6	25.2	23.3	21.0	5.1	2.3	2.8	2.8	3.3
82.5°	23.3	22.0	20.6	18.7	17.3	15.4	3.3	2.3	2.8	2.8	2.8
85°	14.0	13.1	12.2	11.3	9.9	9.4	2.3	2.3	2.3	2.8	2.8
87.5°	3.7	3.3	3.7	3.7	2.8	3.3	1.9	1.9	1.9	2.3	2.3
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):**

	145°	155°	165°	175°	180°
0°	73.4	73.4	73.4	73.4	73.4
2.5°	62.2	62.2	61.2	62.7	62.7
5°	53.8	53.8	53.3	53.8	53.8
7.5°	49.1	48.7	48.7	48.7	49.1
10°	44.9	44.5	44.5	44.5	44.5
12.5°	41.1	40.7	40.2	40.7	40.7
15°	37.9	36.9	36.9	36.9	36.9
17.5°	35.1	34.1	33.7	33.7	33.7
20°	32.3	30.9	30.9	30.9	30.9
22.5°	29.5	28.1	28.1	28.1	28.1
25°	26.7	25.2	25.2	25.2	25.2
27.5°	24.3	22.9	22.9	22.9	22.9
30°	21.5	20.6	20.6	21.0	20.6
32.5°	19.6	18.2	18.2	18.7	18.7
35°	17.3	16.4	16.4	16.4	16.4
37.5°	15.0	14.0	14.0	14.0	14.0
40°	13.1	12.2	11.7	12.2	12.2
42.5°	11.3	10.3	9.9	9.9	9.9
45°	9.9	8.4	7.9	8.4	8.4
47.5°	7.9	7.0	7.0	7.4	7.4
50°	6.0	6.0	6.5	7.4	7.4
52.5°	5.6	5.6	6.5	7.4	7.4
55°	5.1	5.6	6.5	7.0	7.4
57.5°	4.7	5.6	6.5	7.0	7.0
60°	4.7	5.1	6.0	7.0	7.0
62.5°	4.2	4.7	5.6	6.5	6.5
65°	4.2	4.7	5.6	6.5	6.5
66°	4.2	4.7	5.6	6.5	6.5
67.5°	4.2	4.7	5.6	6.5	6.5
70°	4.2	4.7	5.6	6.0	6.0
72.5°	3.7	4.2	5.1	6.0	6.0
75°	3.7	4.2	5.1	6.0	6.0
77.5°	3.7	4.2	5.1	6.0	6.0
80°	3.7	4.2	5.1	5.6	6.0
82.5°	3.3	4.2	4.7	5.6	5.6
85°	3.3	3.7	4.7	5.1	5.6
87.5°	2.8	3.3	3.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)