

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: P180802

Luminaire Tested: **ICM-F05-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180802  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
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-SL4-HSS-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (35) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7136 lumens  
Efficiency: N/A  
Efficacy: 53.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2

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

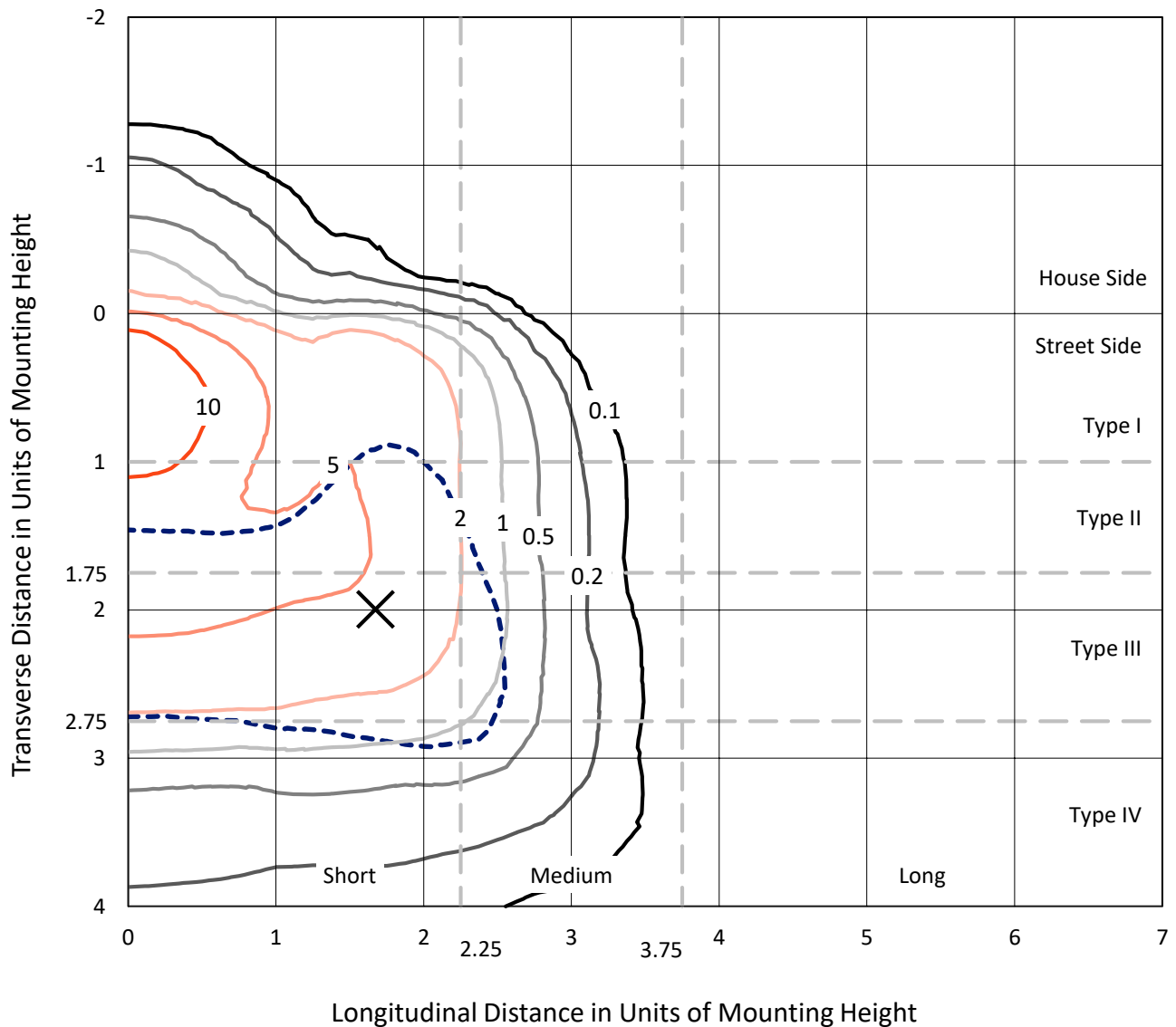


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

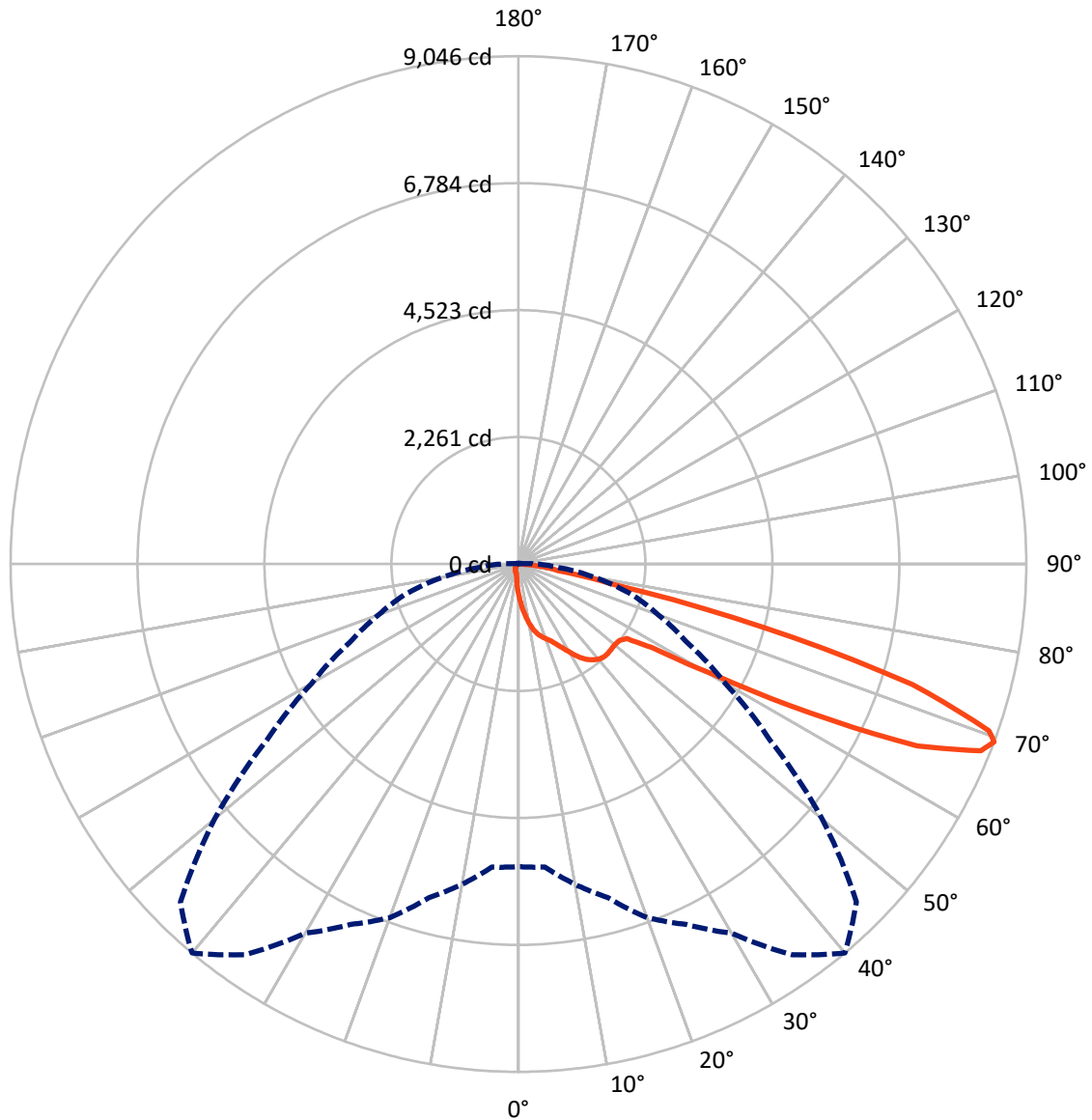


Based on 10 foot mounting height. Maximum calculated value = 16 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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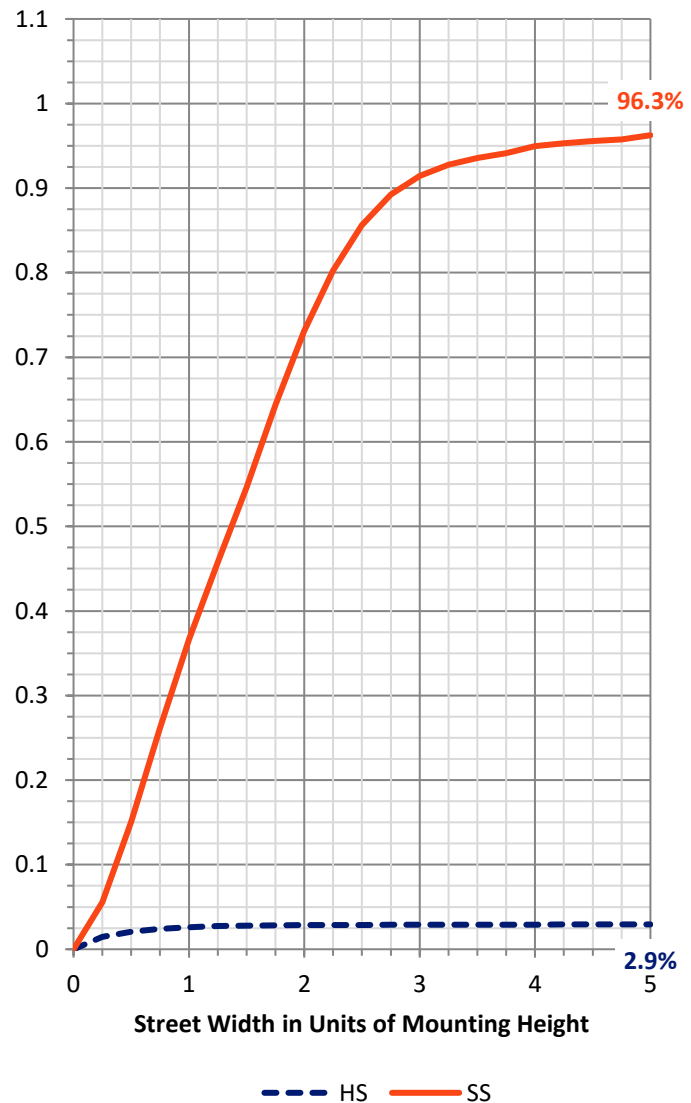
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	212.5	0.0	212.5
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	6923.5	0.0	6923.5
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	7136.0	0.0	7136.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.4	0.8
10°-20°	191.0	2.7
20°-30°	365.5	5.1
30°-40°	607.9	8.5
40°-50°	822.5	11.5
50°-60°	1286.4	18.0
60°-70°	2644.7	37.1
70°-80°	1064.2	14.9
80°-90°	98.5	1.4
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°	7136.0	100.0
0°-180°	7136.0	100.0



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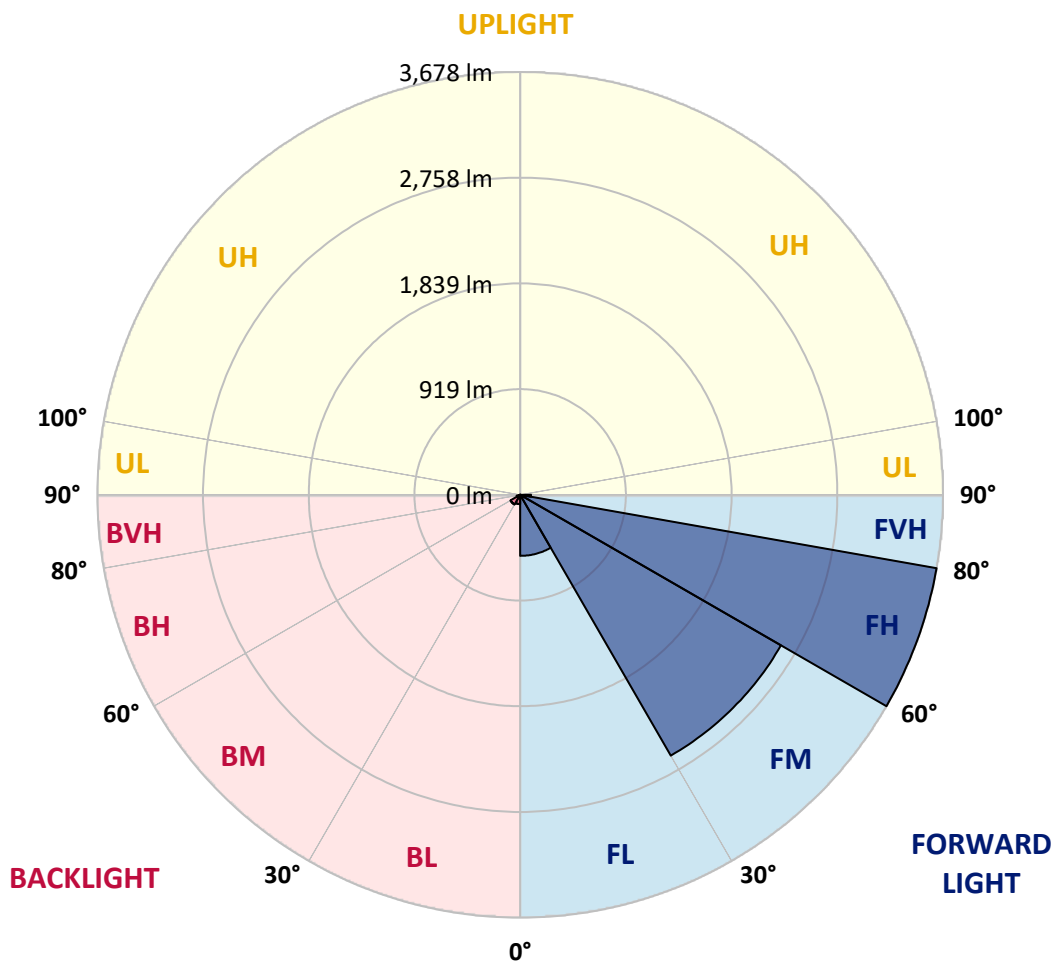
CATALOG NUMBER: ICM-F05-LED-E1-SL4-HSS-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	531.1	7.4			
FM	(30°-60°)	2619.7	36.7			
FH	(60°-80°)	3677.9	51.5			G2/5000
FVH	(80°-90°)	94.8	1.3			G1/100
BL	(0°-30°)	80.8	1.1	B0/110		
BM	(30°-60°)	97.0	1.4	B0/220		
BH	(60°-80°)	31.0	0.4	B0/110		G0/110
BVH	(80°-90°)	3.7	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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9
2.5°	718.9	710.7	701.4	701.4	689.7	689.7	682.7	664.0	661.7	651.2	640.6
5°	917.7	910.6	899.0	888.5	879.1	862.7	851.0	828.8	804.3	780.8	759.8
7.5°	1111.7	1108.2	1087.2	1083.6	1068.5	1041.6	1018.1	985.5	943.4	910.6	872.1
10°	1291.7	1283.5	1278.9	1259.0	1236.8	1207.5	1171.4	1131.5	1082.5	1031.1	976.1
12.5°	1434.3	1429.7	1408.7	1400.5	1377.0	1347.8	1302.2	1250.8	1201.7	1135.1	1070.8
15°	1540.8	1532.6	1518.5	1505.7	1477.6	1451.9	1409.8	1353.7	1294.1	1221.6	1144.5
17.5°	1629.6	1614.3	1610.9	1591.0	1561.8	1531.4	1484.7	1433.2	1363.1	1290.5	1206.4
20°	1748.8	1727.7	1720.8	1691.5	1657.6	1615.5	1561.8	1497.5	1423.8	1344.4	1257.9
22.5°	1889.1	1873.9	1858.7	1832.9	1789.7	1730.2	1651.8	1581.7	1488.1	1400.5	1306.9
25°	2087.8	2075.0	2050.4	2015.4	1961.6	1890.2	1795.5	1692.7	1582.8	1470.6	1360.7
27.5°	2280.7	2269.0	2251.5	2224.6	2163.8	2085.5	1968.6	1837.7	1698.5	1562.9	1441.4
30°	2461.9	2451.4	2433.9	2407.0	2353.1	2276.0	2143.9	2003.6	1830.6	1672.8	1526.7
32.5°	2657.1	2653.6	2633.7	2595.2	2548.4	2444.4	2300.6	2149.8	1974.4	1792.1	1621.4
35°	2878.1	2851.2	2832.5	2793.9	2714.4	2603.4	2435.0	2270.2	2085.5	1898.4	1707.9
37.5°	3065.1	3039.4	3016.0	2966.9	2869.9	2728.4	2537.9	2356.7	2166.2	1975.5	1781.5
40°	3201.9	3189.0	3160.9	3096.7	2987.9	2819.6	2613.9	2416.3	2224.6	2032.8	1841.1
42.5°	3303.6	3283.6	3252.1	3185.5	3056.9	2865.2	2644.3	2440.9	2251.5	2067.9	1879.7
45°	3341.0	3324.6	3295.4	3222.9	3083.8	2878.1	2643.1	2433.9	2252.7	2078.4	1905.4
47.5°	3318.7	3302.4	3276.7	3208.9	3072.1	2862.9	2622.1	2414.0	2240.9	2082.0	1928.8
50°	3245.1	3235.7	3215.9	3158.6	3035.8	2833.6	2603.4	2403.5	2238.6	2099.5	1961.6
52.5°	3238.1	3232.3	3207.7	3150.4	3025.3	2824.3	2601.0	2409.3	2258.5	2121.7	1984.9
55°	3957.0	3874.1	3688.1	3530.3	3270.8	2962.3	2719.1	2504.0	2342.6	2209.4	2113.5
57.5°	5624.0	5500.1	5255.8	4955.4	4359.2	3773.5	3304.8	2965.7	2798.5	2737.8	2774.0
60°	6404.9	6382.6	6344.1	6201.5	5896.4	5392.6	4831.5	4224.8	3981.6	3960.5	4034.2
62.5°	6775.5	6761.4	6773.2	6755.6	6660.9	6513.6	6352.3	6090.5	5849.6	5694.2	5364.5
65°	6946.1	6955.5	7022.1	7074.7	7086.4	7125.0	7243.0	7569.2	7807.7	7406.7	6491.4
67.5°	6512.4	6567.4	6720.5	6912.2	7136.7	7354.1	7704.8	8392.1	8882.0	8410.8	7110.9
69°	5391.4	5418.3	5792.3	6153.5	6701.8	7085.3	7593.7	8495.0	9045.6	8513.7	7061.9
70°	4244.6	4269.1	4670.1	5161.1	6088.1	6581.4	7246.6	8320.9	8892.5	8377.0	6809.3
72.5°	1914.8	1879.7	2021.2	2284.2	3291.8	4075.1	5238.3	6741.5	7336.6	6711.2	5094.4
75°	1337.3	1322.1	1337.3	1338.5	1495.2	1928.8	2433.9	3654.3	4519.3	3899.7	2433.9
77.5°	1035.7	1025.2	1014.7	1003.0	1021.7	1144.5	1193.5	1296.4	1683.4	1592.2	928.2
80°	819.4	810.1	835.8	827.6	827.6	841.7	832.3	793.8	721.3	668.7	598.5
82.5°	381.1	383.4	383.4	416.2	501.5	585.7	612.6	574.0	509.7	433.7	349.5
85°	36.3	40.9	68.9	106.4	211.6	238.5	239.6	198.7	198.7	156.7	126.2
87.5°	0.0	1.2	1.2	1.2	10.5	29.2	24.6	7.0	3.5	3.5	5.9
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9
2.5°	621.9	618.4	604.4	590.3	577.5	563.4	550.6	537.8	523.7	513.2	500.3
5°	727.1	701.4	672.2	644.1	616.1	586.8	556.5	529.6	501.5	475.8	451.3
7.5°	833.5	783.3	743.4	693.2	647.6	602.1	559.9	516.7	476.9	439.5	404.5
10°	923.5	862.7	800.7	736.5	671.0	610.2	551.7	500.3	447.7	402.1	358.9
12.5°	997.1	920.0	844.0	763.4	689.7	612.6	540.1	478.1	416.2	364.7	320.3
15°	1063.8	975.0	883.7	790.2	696.7	609.0	528.4	451.3	388.1	329.7	279.4
17.5°	1117.6	1015.8	912.9	807.7	707.3	604.4	513.2	432.6	358.9	298.0	249.0
20°	1164.3	1058.0	946.9	828.8	714.2	603.2	500.3	409.1	333.1	268.8	220.9
22.5°	1207.5	1101.2	982.0	855.7	724.7	602.1	488.7	391.6	311.0	246.7	198.7
25°	1256.7	1144.5	1019.4	883.7	743.4	606.7	481.6	377.6	291.1	225.6	181.2
27.5°	1311.6	1193.5	1063.8	918.8	768.0	616.1	479.3	362.4	273.6	205.8	167.2
30°	1388.8	1252.0	1108.2	953.9	790.2	626.6	476.9	353.0	256.0	190.5	153.1
32.5°	1456.6	1309.3	1157.3	990.1	814.8	637.1	475.8	340.2	239.6	175.3	142.6
35°	1527.8	1361.9	1199.4	1025.2	835.8	648.7	474.6	330.8	224.5	160.2	132.1
37.5°	1589.9	1406.3	1232.1	1055.6	859.2	659.4	475.8	322.6	210.4	147.3	122.7
40°	1642.4	1451.9	1268.4	1083.6	883.7	675.6	476.9	314.4	196.4	135.6	114.6
42.5°	1689.2	1495.2	1306.9	1115.2	911.8	694.4	484.0	307.4	184.7	125.1	106.4
45°	1725.4	1534.9	1349.0	1159.6	957.4	724.7	496.8	302.8	173.0	115.7	99.3
47.5°	1762.8	1593.3	1420.3	1229.8	1024.0	772.7	519.1	301.6	163.6	108.7	93.5
50°	1814.2	1651.8	1483.5	1301.1	1084.8	821.8	546.0	302.8	152.0	101.7	87.6
52.5°	1851.6	1711.4	1565.3	1425.0	1229.8	971.4	650.0	323.8	146.1	95.8	80.7
55°	2072.7	2048.1	2051.5	2075.0	1924.2	1652.9	1087.2	467.6	171.8	108.7	79.5
57.5°	2922.4	3008.9	3059.3	3058.1	2809.0	2329.8	1460.1	600.8	191.7	126.2	94.7
60°	4040.0	3974.5	3882.3	3654.3	3323.5	2659.5	1633.0	646.4	166.0	100.6	86.5
62.5°	5027.8	4644.4	4304.2	3934.8	3501.1	2774.0	1668.1	643.0	144.9	76.0	60.7
65°	5643.8	4954.2	4404.8	3941.8	3431.0	2678.2	1578.1	590.3	122.7	62.0	50.2
67.5°	5791.2	4787.0	4009.6	3419.3	2866.3	2084.3	1158.4	444.2	95.8	51.4	44.5
69°	5469.7	4255.1	3322.3	2652.5	2085.5	1382.9	716.6	280.6	73.7	46.8	40.9
70°	5031.3	3701.0	2706.2	2128.8	1544.2	971.4	501.5	197.6	59.6	43.3	37.4
72.5°	3237.0	1944.0	1330.3	925.9	637.1	387.0	196.4	88.8	45.6	36.3	30.4
75°	1255.4	718.9	521.4	396.3	309.8	215.1	119.3	57.3	38.6	30.4	23.3
77.5°	618.4	473.4	387.0	265.4	154.3	95.8	64.3	44.5	31.5	22.2	15.2
80°	488.7	325.0	194.0	120.4	91.2	68.9	49.1	36.3	23.3	14.0	10.5
82.5°	250.1	136.7	100.6	81.9	67.8	53.8	39.7	25.7	15.2	9.4	8.2
85°	78.3	57.3	51.4	50.2	46.8	38.6	28.1	16.4	9.4	5.9	5.9
87.5°	5.9	8.2	10.5	8.2	9.4	8.2	10.5	7.0	4.7	4.7	3.5
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9	538.9
2.5°	491.0	476.9	464.1	455.9	440.7	434.9	429.0	426.7	416.2	418.5	409.1
5°	429.0	404.5	385.8	367.1	349.5	336.7	326.1	313.3	302.8	298.0	288.7
7.5°	372.9	341.3	316.8	296.9	275.9	259.5	245.5	236.1	226.8	217.4	212.7
10°	323.8	290.0	261.9	242.0	222.1	208.1	197.6	190.5	184.7	181.2	180.0
12.5°	278.2	245.5	219.8	202.2	187.1	180.0	175.3	171.8	170.7	169.5	169.5
15°	243.2	210.4	190.5	177.7	170.7	167.2	166.0	163.6	161.3	160.2	160.2
17.5°	210.4	185.9	171.8	164.8	161.3	159.0	156.7	154.3	152.0	150.8	150.8
20°	188.2	168.4	161.3	156.7	153.1	150.8	147.3	144.9	143.8	142.6	141.5
22.5°	170.7	157.8	153.1	149.7	144.9	141.5	139.1	136.7	134.4	133.3	132.1
25°	157.8	149.7	146.1	141.5	136.7	133.3	129.8	126.2	123.9	122.7	120.4
27.5°	148.5	142.6	138.0	132.1	127.4	123.9	120.4	116.9	114.6	112.2	111.1
30°	140.3	134.4	128.6	123.9	118.0	114.6	109.9	106.4	105.2	102.9	100.6
32.5°	132.1	126.2	120.4	114.6	108.7	104.0	101.7	97.0	94.7	93.5	91.2
35°	122.7	116.9	109.9	105.2	99.3	94.7	91.2	87.6	85.3	83.0	81.9
37.5°	114.6	107.5	100.6	94.7	90.0	85.3	81.9	78.3	76.0	73.7	72.5
40°	105.2	98.2	91.2	85.3	80.7	77.1	73.7	70.1	67.8	66.6	66.6
42.5°	97.0	88.8	81.9	77.1	73.7	68.9	65.5	62.0	60.7	59.6	60.7
45°	88.8	80.7	74.8	70.1	66.6	62.0	58.4	56.1	55.0	56.1	57.3
47.5°	81.9	73.7	67.8	64.3	60.7	57.3	53.8	51.4	51.4	53.8	56.1
50°	74.8	66.6	62.0	59.6	56.1	52.6	47.9	46.8	47.9	50.2	52.6
52.5°	67.8	58.4	55.0	53.8	50.2	46.8	43.3	42.0	43.3	45.6	44.5
55°	60.7	51.4	50.2	49.1	45.6	40.9	37.4	37.4	37.4	36.3	33.9
57.5°	58.4	45.6	44.5	43.3	39.7	35.1	32.7	30.4	29.2	25.7	24.6
60°	60.7	40.9	40.9	38.6	35.1	30.4	26.9	23.3	21.0	18.7	18.7
62.5°	49.1	37.4	36.3	33.9	29.2	24.6	21.0	17.5	16.4	15.2	15.2
65°	39.7	33.9	31.5	28.1	24.6	19.9	16.4	14.0	12.8	12.8	14.0
67.5°	36.3	30.4	26.9	23.3	19.9	15.2	12.8	11.7	11.7	12.8	12.8
69°	33.9	28.1	24.6	21.0	17.5	14.0	11.7	11.7	11.7	11.7	12.8
70°	31.5	26.9	23.3	19.9	15.2	11.7	10.5	10.5	11.7	11.7	12.8
72.5°	24.6	21.0	19.9	16.4	11.7	10.5	9.4	10.5	10.5	11.7	11.7
75°	18.7	15.2	15.2	12.8	9.4	8.2	8.2	9.4	9.4	10.5	10.5
77.5°	12.8	10.5	10.5	9.4	8.2	7.0	7.0	8.2	9.4	9.4	10.5
80°	9.4	8.2	7.0	8.2	7.0	5.9	7.0	8.2	8.2	9.4	9.4
82.5°	7.0	7.0	7.0	7.0	5.9	5.9	7.0	7.0	8.2	9.4	9.4
85°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.0	7.0	8.2	8.2
87.5°	3.5	3.5	3.5	4.7	4.7	5.9	5.9	5.9	5.9	7.0	7.0
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):**

	165°	170°	175°	180°
0°	538.9	538.9	538.9	538.9
2.5°	406.8	405.7	400.9	402.1
5°	285.2	278.2	282.9	281.8
7.5°	209.2	208.1	206.9	209.2
10°	178.9	178.9	177.7	178.9
12.5°	168.4	168.4	168.4	168.4
15°	160.2	160.2	159.0	159.0
17.5°	150.8	150.8	150.8	149.7
20°	141.5	140.3	140.3	140.3
22.5°	130.9	129.8	129.8	129.8
25°	120.4	119.3	119.3	119.3
27.5°	109.9	108.7	107.5	107.5
30°	99.3	98.2	97.0	97.0
32.5°	88.8	87.6	86.5	86.5
35°	79.5	79.5	78.3	77.1
37.5°	71.3	71.3	71.3	71.3
40°	65.5	66.6	66.6	66.6
42.5°	62.0	63.2	64.3	65.5
45°	59.6	62.0	63.2	63.2
47.5°	58.4	59.6	60.7	60.7
50°	53.8	52.6	52.6	52.6
52.5°	43.3	40.9	39.7	38.6
55°	31.5	30.4	28.1	28.1
57.5°	22.2	22.2	21.0	21.0
60°	17.5	17.5	16.4	17.5
62.5°	15.2	15.2	15.2	15.2
65°	14.0	14.0	14.0	14.0
67.5°	14.0	14.0	14.0	14.0
69°	12.8	12.8	12.8	12.8
70°	12.8	12.8	12.8	12.8
72.5°	11.7	11.7	11.7	11.7
75°	10.5	11.7	11.7	11.7
77.5°	10.5	10.5	10.5	10.5
80°	9.4	9.4	10.5	10.5
82.5°	9.4	9.4	9.4	9.4
85°	8.2	8.2	9.4	9.4
87.5°	7.0	7.0	8.2	8.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)