

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: P181362

Luminaire Tested: **ICM-F05-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181362  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)  
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-T3-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5283.3 lumens  
Efficiency: N/A  
Efficacy: 39.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

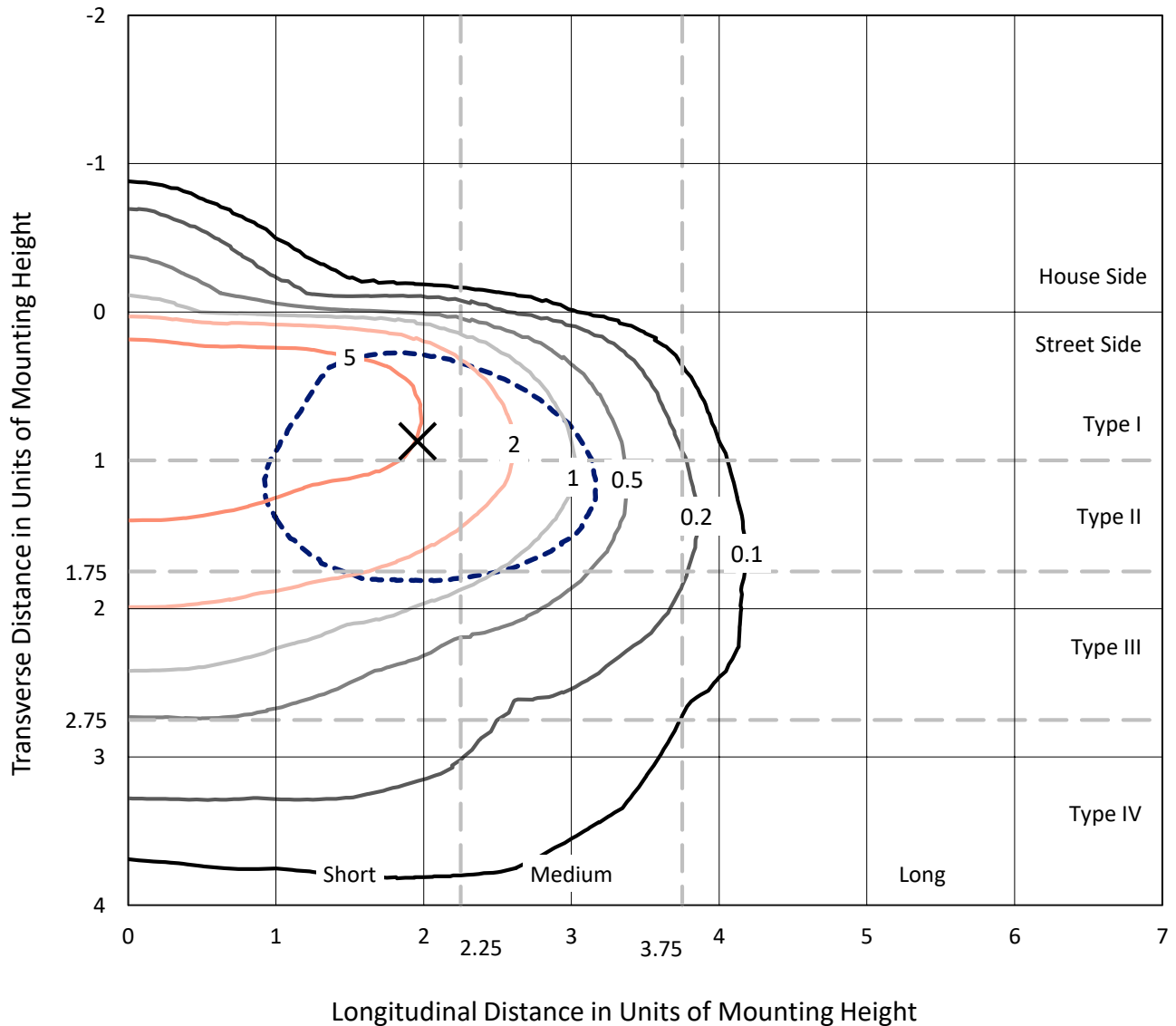
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

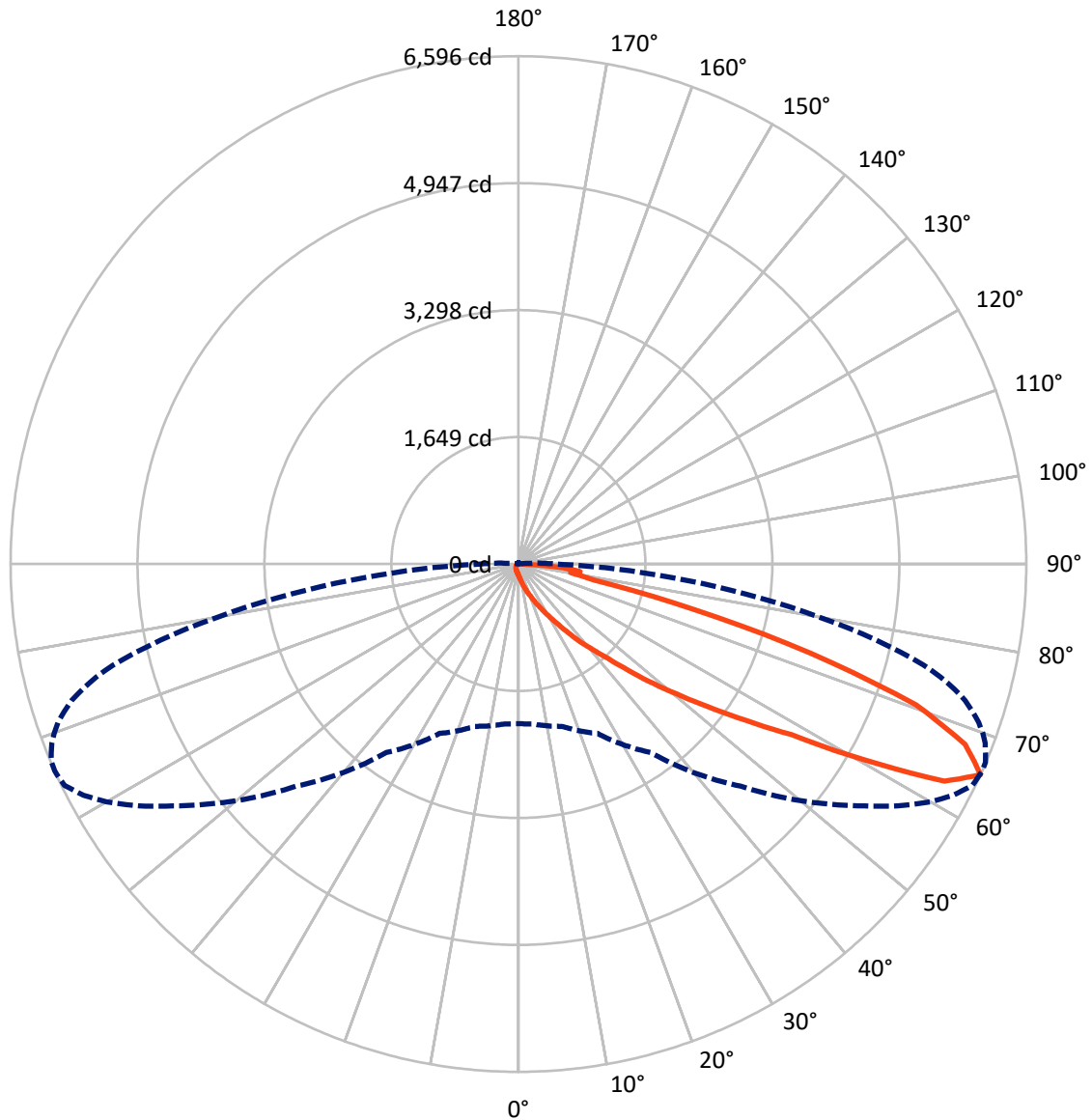
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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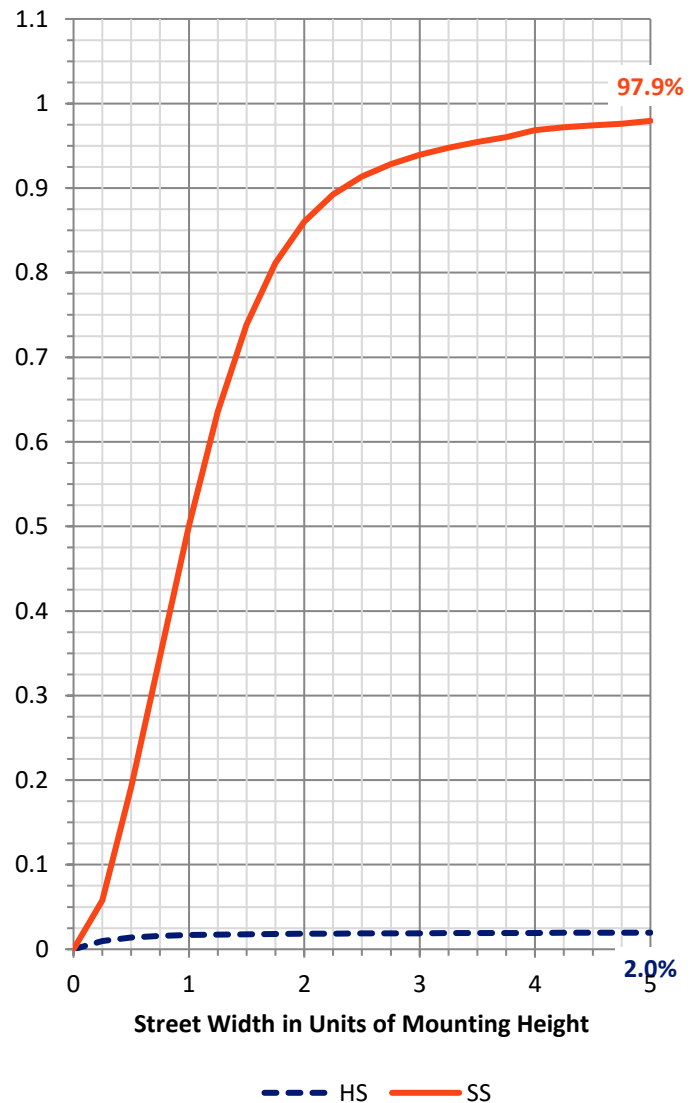
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	106.1	0.0	106.1
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	5177.2	0.0	5177.2
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	5283.3	0.0	5283.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.0	0.3
10°-20°	85.9	1.6
20°-30°	196.3	3.7
30°-40°	373.3	7.1
40°-50°	749.4	14.2
50°-60°	1325.9	25.1
60°-70°	1732.4	32.8
70°-80°	712.3	13.5
80°-90°	89.8	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°	5283.3	100.0
0°-180°	5283.3	100.0



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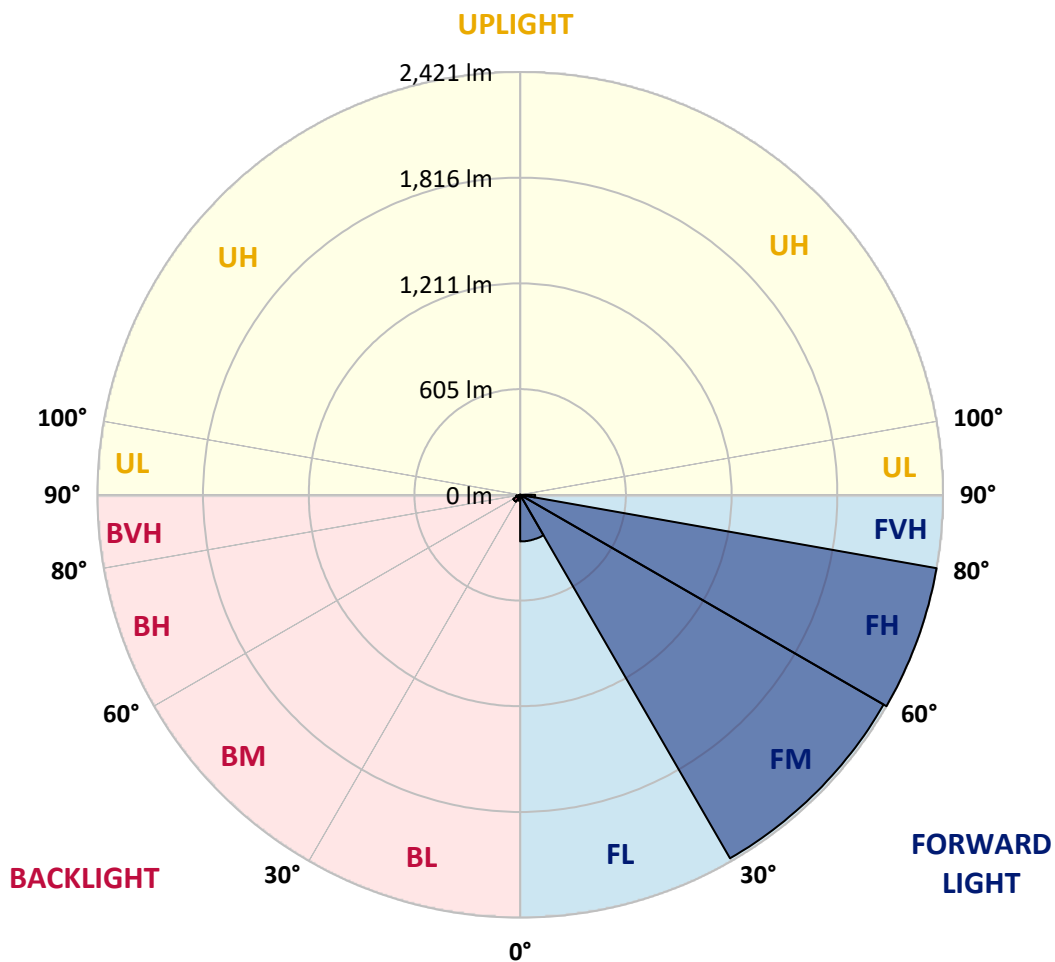
CATALOG NUMBER: ICM-F05-LED-E1-T3-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.0	5.1			
FM	(30°-60°)	2403.2	45.5			
FH	(60°-80°)	2421.3	45.8			G2/5000
FVH	(80°-90°)	85.7	1.6			G1/100
BL	(0°-30°)	33.2	0.6	B0/110		
BM	(30°-60°)	45.4	0.9	B0/220		
BH	(60°-80°)	23.5	0.4	B0/110		G0/110
BVH	(80°-90°)	4.0	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9
2.5°	194.4	191.2	192.3	185.8	181.5	176.1	171.7	170.7	169.6	167.4	168.6
5°	279.8	276.6	268.9	256.0	244.1	225.8	207.4	206.3	203.1	199.8	197.7
7.5°	388.8	383.4	374.8	353.2	324.1	291.6	254.9	251.7	247.4	243.1	238.7
10°	515.3	512.0	495.8	471.0	426.7	373.8	312.2	308.9	299.3	293.9	289.5
12.5°	648.1	634.1	627.6	584.4	533.6	461.2	382.4	370.5	363.0	355.4	344.6
15°	748.6	750.8	735.6	701.0	641.7	557.4	459.1	446.1	435.4	421.3	408.3
17.5°	839.4	835.0	818.8	797.2	741.0	655.7	541.2	523.9	506.6	499.1	480.7
20°	912.7	910.6	897.7	877.1	834.0	751.8	627.6	613.6	594.1	581.1	560.7
22.5°	971.1	971.1	963.5	951.6	909.6	843.6	719.4	704.3	684.8	668.7	646.0
25°	1017.6	1016.5	1017.6	1012.2	984.1	923.5	813.4	796.1	779.9	760.5	738.9
27.5°	1070.5	1072.7	1070.5	1067.3	1055.4	1006.8	908.5	896.6	878.2	857.7	836.1
30°	1152.6	1146.1	1145.0	1142.9	1128.8	1098.6	1006.8	992.8	978.7	964.7	949.5
32.5°	1239.0	1228.2	1224.9	1224.9	1215.3	1188.2	1120.2	1112.7	1092.1	1081.3	1068.4
35°	1337.3	1333.0	1328.7	1329.8	1325.4	1297.3	1241.1	1243.4	1236.8	1215.3	1202.2
37.5°	1480.9	1482.1	1474.5	1460.5	1460.5	1435.6	1403.2	1398.9	1382.7	1377.3	1369.7
40°	1686.2	1680.8	1674.3	1653.8	1646.2	1604.1	1573.9	1563.1	1550.1	1549.0	1540.4
42.5°	1923.8	1917.4	1917.4	1902.2	1887.2	1836.4	1779.1	1771.5	1757.5	1761.9	1758.6
45°	2144.2	2149.6	2157.2	2168.0	2170.2	2148.6	2065.4	2055.6	2048.1	2043.7	2040.6
47.5°	2334.3	2344.1	2368.9	2415.4	2474.8	2482.3	2416.5	2390.5	2385.1	2377.6	2371.1
50°	2470.4	2484.5	2540.7	2631.4	2747.0	2818.2	2782.6	2761.0	2759.9	2739.5	2737.2
52.5°	2548.2	2563.4	2655.2	2792.4	2971.6	3111.0	3155.3	3154.3	3152.1	3133.7	3126.2
55°	2565.5	2581.7	2691.9	2878.8	3134.8	3375.6	3545.2	3549.6	3559.3	3553.9	3553.9
57.5°	2518.0	2538.5	2658.4	2889.6	3220.1	3585.2	3955.7	3980.6	3992.5	4034.6	4083.2
60°	2430.5	2445.6	2565.5	2823.6	3235.3	3776.4	4489.4	4568.2	4629.8	4713.0	4791.8
62.5°	2268.5	2298.7	2413.2	2694.1	3189.9	3996.8	5126.7	5272.5	5392.4	5518.8	5671.1
65°	2071.8	2084.8	2182.1	2427.3	2986.8	4081.0	5478.8	5621.4	5774.8	5909.9	6046.0
67.5°	1825.6	1836.4	1920.7	2025.4	2465.0	3686.8	5132.1	5289.8	5428.1	5539.4	5717.6
70°	1195.8	1219.5	1425.9	1529.6	1723.0	2725.4	4196.7	4349.0	4454.8	4530.4	4736.8
72.5°	876.1	891.2	974.3	1188.2	1235.7	1610.6	2953.3	3118.6	3157.5	3300.0	3396.2
75°	534.7	572.5	760.5	1017.6	1204.5	1102.9	1769.4	1849.3	1939.0	2042.7	2134.5
77.5°	108.0	123.2	248.5	701.0	1059.7	1178.5	1056.5	1071.5	1115.8	1125.6	1160.2
80°	17.3	18.3	32.4	302.4	613.6	952.8	1056.5	1042.4	1017.6	1000.3	983.0
82.5°	7.5	8.7	14.0	76.7	130.7	317.6	913.9	985.1	1067.3	1112.7	1124.5
85°	3.3	3.3	5.4	15.2	19.4	21.6	154.5	204.2	364.0	483.9	557.4
87.5°	2.1	2.1	3.3	3.3	4.3	5.4	7.5	7.5	8.7	9.8	14.0
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9
2.5°	168.6	167.4	167.4	164.2	164.2	163.1	163.1	162.0	162.0	159.9	160.9
5°	196.6	194.4	192.3	189.0	188.0	185.8	183.6	180.4	179.3	177.1	176.1
7.5°	234.4	232.3	227.9	221.5	217.1	212.8	208.5	204.2	200.9	197.7	195.5
10°	280.8	274.4	272.2	259.3	253.9	245.2	239.8	235.4	229.0	223.6	220.4
12.5°	337.0	331.6	320.8	303.5	294.9	287.4	277.6	268.9	262.5	252.7	246.3
15°	395.4	391.1	375.9	356.5	345.7	331.6	321.9	313.3	299.3	292.7	280.8
17.5°	468.8	455.8	440.7	412.7	398.6	386.7	369.4	356.5	347.8	328.4	317.6
20°	544.5	530.4	511.0	479.6	460.2	441.8	427.7	410.5	392.1	379.2	360.7
22.5°	630.9	608.2	593.0	554.1	531.4	512.0	488.3	469.9	451.5	431.0	410.5
25°	722.7	700.0	681.6	637.3	613.6	594.1	566.0	540.1	517.4	494.7	471.0
27.5°	818.8	798.2	777.8	732.4	711.8	684.8	658.9	628.7	599.5	579.0	546.6
30°	930.1	912.7	890.1	841.5	818.8	790.7	763.7	728.1	700.0	671.9	640.6
32.5°	1050.0	1035.9	1012.2	968.9	942.0	918.1	889.0	854.4	814.5	785.3	748.6
35°	1195.8	1172.0	1158.0	1116.9	1096.4	1070.5	1040.3	1010.0	967.9	926.8	895.5
37.5°	1362.1	1351.4	1333.0	1294.1	1279.0	1252.0	1232.6	1202.2	1169.9	1118.1	1084.6
40°	1532.8	1525.3	1509.0	1470.1	1455.1	1436.7	1414.0	1384.8	1346.0	1319.0	1269.2
42.5°	1750.0	1738.1	1725.1	1688.4	1659.2	1636.6	1626.8	1602.0	1560.9	1526.3	1487.5
45°	2025.4	2020.0	2002.7	1966.0	1936.8	1921.7	1906.6	1864.5	1837.4	1802.9	1775.9
47.5°	2358.2	2340.9	2332.2	2291.2	2281.4	2269.5	2230.6	2206.9	2168.0	2140.9	2107.5
50°	2717.8	2699.5	2700.6	2650.8	2653.0	2644.4	2615.2	2587.1	2553.6	2529.9	2509.3
52.5°	3104.6	3113.2	3091.6	3106.7	3089.4	3070.0	3064.6	3030.0	3000.9	2999.7	2971.6
55°	3579.8	3565.8	3571.2	3586.3	3562.5	3584.1	3573.3	3529.0	3530.2	3538.8	3506.3
57.5°	4090.8	4111.3	4155.6	4165.3	4206.4	4178.3	4251.7	4198.8	4231.2	4231.2	4209.6
60°	4840.5	4922.5	5029.5	5112.7	5189.3	5164.5	5260.7	5200.1	5243.4	5206.6	5188.3
62.5°	5743.5	5852.6	5979.0	6114.0	6191.8	6211.2	6197.2	6224.2	6182.1	6155.1	6084.9
65°	6177.8	6285.8	6395.9	6558.0	6579.6	6595.8	6589.3	6543.9	6492.1	6415.4	6323.6
67.5°	5817.0	5968.2	6029.8	6216.7	6279.3	6256.6	6264.1	6205.8	6124.9	6049.2	5914.2
70°	4823.2	4996.0	5028.4	5296.3	5370.8	5478.8	5439.9	5422.7	5334.1	5270.4	5121.3
72.5°	3511.7	3646.8	3636.0	3937.4	3924.4	3968.7	4073.5	4069.1	3976.3	3955.7	3830.4
75°	2161.5	2242.5	2238.2	2452.1	2362.4	2349.5	2378.6	2365.7	2278.2	2187.5	2109.7
77.5°	1145.0	1181.8	1142.9	1079.2	1072.7	1000.3	979.7	978.7	911.7	829.6	769.1
80°	964.7	926.8	881.5	788.6	734.5	686.0	640.6	598.4	553.0	492.6	419.2
82.5°	1126.7	1108.3	1075.9	959.3	903.1	805.9	733.5	665.4	582.2	519.5	425.6
85°	548.7	547.6	573.6	561.7	541.2	536.8	465.6	450.4	416.9	382.4	319.7
87.5°	15.2	10.8	12.9	10.8	12.9	14.0	9.8	22.7	14.0	12.9	15.2
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9
2.5°	159.9	158.8	157.7	157.7	156.7	156.7	155.5	154.5	154.5	153.4	153.4
5°	174.0	171.7	170.7	169.6	167.4	166.3	164.2	163.1	160.9	159.9	157.7
7.5°	191.2	189.0	184.7	182.5	179.3	178.2	172.8	170.7	168.6	166.3	163.1
10°	212.8	207.4	203.1	198.8	193.4	189.0	184.7	181.5	177.1	171.7	169.6
12.5°	239.8	232.3	225.8	218.2	211.7	205.2	197.7	192.3	185.8	180.4	175.0
15°	270.0	259.3	250.6	239.8	229.0	221.5	213.9	206.3	197.7	190.1	183.6
17.5°	304.7	290.6	278.7	265.8	253.9	243.1	230.0	220.4	210.6	199.8	191.2
20°	341.3	327.4	311.1	297.0	279.8	267.9	251.7	238.7	224.7	213.9	202.0
22.5°	390.0	371.6	351.1	331.6	313.3	294.9	277.6	261.4	244.1	227.9	216.0
25°	447.2	424.6	398.6	379.2	353.2	332.7	311.1	290.6	272.2	251.7	232.3
27.5°	518.5	488.3	460.2	433.2	405.1	379.2	351.1	327.4	302.4	278.7	257.1
30°	601.7	572.5	530.4	500.1	472.1	436.4	408.3	377.0	348.9	314.3	290.6
32.5°	711.8	674.1	629.8	589.8	553.0	513.1	474.2	434.2	397.5	366.2	330.5
35°	855.5	811.3	758.3	707.5	666.5	617.9	568.2	522.8	480.7	435.4	391.1
37.5°	1037.0	996.0	938.7	877.1	822.1	763.7	711.8	648.1	592.0	536.8	480.7
40°	1217.4	1179.6	1120.2	1054.3	983.0	916.0	850.1	777.8	706.4	637.3	579.0
42.5°	1439.9	1383.7	1320.0	1245.5	1176.4	1096.4	1014.3	931.2	845.8	762.6	679.4
45°	1719.7	1676.5	1586.8	1506.9	1424.8	1330.8	1229.3	1134.2	1025.1	926.8	816.7
47.5°	2060.0	1982.2	1916.3	1842.9	1740.2	1649.5	1519.8	1407.5	1271.4	1140.8	1008.9
50°	2461.8	2418.6	2331.1	2239.3	2128.0	2020.0	1893.6	1731.5	1568.5	1429.1	1248.8
52.5°	2931.7	2870.2	2815.1	2720.0	2606.5	2468.3	2324.7	2148.6	1948.8	1752.1	1559.8
55°	3489.1	3445.9	3393.0	3317.3	3172.6	3015.9	2843.1	2632.5	2395.9	2131.3	1907.6
57.5°	4208.5	4163.2	4112.4	3956.9	3858.5	3666.3	3415.6	3197.4	2942.5	2603.4	2325.7
60°	5190.5	5128.9	5057.6	4931.2	4726.0	4476.4	4207.5	3884.5	3572.3	3201.8	2837.7
62.5°	6029.8	5931.5	5779.2	5616.0	5369.8	5083.5	4745.4	4365.1	4009.8	3592.8	3187.7
65°	6202.6	6067.6	5888.2	5675.5	5421.6	5098.6	4745.4	4381.3	3963.3	3571.2	3163.9
67.5°	5753.2	5596.6	5413.0	5175.3	4933.3	4600.7	4296.0	3925.5	3532.3	3193.1	2829.1
70°	5014.4	4782.1	4594.2	4341.4	4096.2	3834.8	3514.0	3236.3	2916.6	2604.4	2325.7
72.5°	3765.6	3536.7	3366.0	3163.9	3018.2	2741.6	2506.1	2298.7	2109.7	1876.3	1670.1
75°	2029.7	1858.0	1743.5	1651.6	1520.9	1338.4	1226.1	1083.4	1003.5	906.3	812.3
77.5°	662.1	583.4	498.0	414.8	356.5	267.9	259.3	206.3	194.4	189.0	145.9
80°	339.2	261.4	189.0	136.1	103.7	91.8	87.5	83.2	78.9	75.6	70.2
82.5°	340.3	246.3	169.6	117.8	85.3	71.3	67.0	64.8	61.6	58.3	54.0
85°	248.5	183.6	126.4	86.4	59.4	47.5	45.4	42.1	40.0	38.9	34.6
87.5°	16.2	11.9	10.8	9.8	9.8	9.8	10.8	9.8	10.8	10.8	9.8
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°	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9
2.5°	152.3	151.3	151.3	150.1	149.0	149.0	148.0	148.0	144.7	139.3	135.1
5°	156.7	154.5	153.4	152.3	151.3	149.0	148.0	146.9	141.5	130.7	122.0
7.5°	159.9	157.7	156.7	154.5	151.3	150.1	148.0	145.9	137.2	122.0	112.4
10°	165.3	162.0	158.8	155.5	152.3	150.1	146.9	144.7	131.8	114.5	104.7
12.5°	170.7	166.3	162.0	156.7	153.4	150.1	146.9	142.6	127.4	108.0	97.2
15°	177.1	170.7	165.3	159.9	154.5	150.1	144.7	141.5	123.2	102.6	92.9
17.5°	183.6	176.1	168.6	160.9	155.5	149.0	144.7	139.3	118.8	98.3	87.5
20°	191.2	180.4	172.8	164.2	156.7	149.0	142.6	137.2	114.5	92.9	82.1
22.5°	202.0	189.0	177.1	167.4	157.7	150.1	142.6	135.1	110.1	88.6	77.8
25°	216.0	199.8	185.8	174.0	162.0	152.3	143.6	136.1	107.0	85.3	72.4
27.5°	236.6	216.0	200.9	184.7	169.6	157.7	146.9	138.2	104.7	82.1	69.1
30°	261.4	240.9	217.1	197.7	181.5	165.3	153.4	140.5	102.6	78.9	64.8
32.5°	298.1	268.9	240.9	217.1	194.4	176.1	158.8	145.9	101.6	73.5	60.5
35°	351.1	311.1	277.6	246.3	215.0	192.3	171.7	154.5	100.5	69.1	56.2
37.5°	426.7	379.2	335.9	291.6	252.7	220.4	192.3	169.6	100.5	65.9	51.8
40°	507.7	446.1	391.1	335.9	286.2	245.2	207.4	179.3	98.3	61.6	47.5
42.5°	599.5	523.9	448.3	380.3	318.7	265.8	221.5	186.9	92.9	57.2	43.2
45°	722.7	623.3	532.6	445.0	365.1	296.0	239.8	195.5	87.5	54.0	38.9
47.5°	877.1	761.6	643.8	533.6	428.8	341.3	266.8	209.6	84.3	49.7	35.6
50°	1107.3	943.1	787.4	647.1	514.1	399.7	306.8	230.0	81.0	46.4	32.4
52.5°	1360.0	1158.0	975.4	795.1	629.8	478.5	353.2	257.1	77.8	43.2	29.2
55°	1667.8	1419.5	1196.8	962.5	750.8	570.3	410.5	287.4	73.5	40.0	27.0
57.5°	2048.1	1733.8	1470.1	1183.9	918.1	689.2	487.2	338.1	69.1	35.6	23.7
60°	2472.6	2117.2	1785.6	1449.7	1127.7	846.9	600.6	410.5	64.8	31.3	20.6
62.5°	2778.3	2388.4	2009.2	1632.2	1279.0	964.7	692.4	466.6	58.3	27.0	18.3
65°	2775.1	2379.7	1998.4	1626.8	1283.3	968.9	695.6	477.5	51.8	23.7	16.2
67.5°	2472.6	2139.9	1799.6	1465.9	1165.6	881.5	643.8	442.9	44.3	21.6	14.0
70°	2034.1	1769.4	1500.4	1235.7	994.9	755.1	556.3	385.7	37.8	19.4	11.9
72.5°	1485.3	1291.9	1127.7	940.8	776.7	596.3	444.0	302.4	30.2	16.2	10.8
75°	737.8	660.0	566.0	507.7	433.2	354.3	275.4	176.1	24.8	12.9	9.8
77.5°	140.5	125.3	119.9	103.7	95.1	84.3	74.5	52.9	19.4	9.8	8.7
80°	64.8	59.4	54.0	48.7	43.2	36.7	32.4	28.1	15.2	7.5	9.8
82.5°	50.8	46.4	41.0	36.7	32.4	28.1	23.7	20.6	9.8	6.5	9.8
85°	33.5	29.2	26.0	22.7	19.4	17.3	15.2	12.9	6.5	6.5	6.5
87.5°	9.8	9.8	8.7	8.7	7.5	7.5	6.5	6.5	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):**

	125°	135°	145°	155°	165°	175°	180°
0°	146.9	146.9	146.9	146.9	146.9	146.9	146.9
2.5°	130.7	125.3	123.2	122.0	122.0	123.2	122.0
5°	115.6	110.1	108.0	105.9	105.9	105.9	107.0
7.5°	105.9	100.5	97.2	96.1	95.1	96.1	96.1
10°	97.2	92.9	88.6	86.4	86.4	86.4	86.4
12.5°	90.7	85.3	81.0	79.9	78.9	78.9	78.9
15°	85.3	78.9	75.6	73.5	72.4	72.4	73.5
17.5°	78.9	73.5	69.1	68.1	68.1	68.1	68.1
20°	74.5	68.1	64.8	62.7	62.7	62.7	62.7
22.5°	69.1	63.7	59.4	57.2	57.2	57.2	57.2
25°	64.8	59.4	55.1	52.9	52.9	52.9	52.9
27.5°	60.5	55.1	50.8	48.7	48.7	48.7	48.7
30°	56.2	50.8	46.4	44.3	44.3	44.3	44.3
32.5°	52.9	46.4	42.1	40.0	40.0	41.0	40.0
35°	47.5	42.1	37.8	35.6	35.6	35.6	35.6
37.5°	43.2	37.8	33.5	31.3	31.3	31.3	30.2
40°	40.0	33.5	29.2	27.0	26.0	26.0	26.0
42.5°	34.6	28.1	24.8	22.7	21.6	21.6	21.6
45°	31.3	24.8	20.6	18.3	18.3	18.3	18.3
47.5°	28.1	21.6	17.3	15.2	15.2	16.2	16.2
50°	24.8	18.3	14.0	14.0	14.0	15.2	15.2
52.5°	21.6	16.2	12.9	12.9	14.0	15.2	15.2
55°	19.4	14.0	11.9	12.9	14.0	15.2	15.2
57.5°	17.3	11.9	11.9	12.9	14.0	15.2	15.2
60°	15.2	10.8	10.8	11.9	14.0	15.2	15.2
62.5°	12.9	10.8	10.8	11.9	14.0	15.2	15.2
65°	11.9	10.8	10.8	11.9	14.0	15.2	15.2
67.5°	10.8	9.8	10.8	11.9	12.9	14.0	14.0
70°	9.8	9.8	10.8	11.9	12.9	14.0	14.0
72.5°	9.8	9.8	9.8	10.8	11.9	12.9	12.9
75°	9.8	9.8	9.8	10.8	11.9	12.9	12.9
77.5°	9.8	8.7	8.7	9.8	11.9	12.9	12.9
80°	9.8	8.7	8.7	9.8	10.8	12.9	12.9
82.5°	7.5	7.5	8.7	9.8	10.8	11.9	11.9
85°	6.5	7.5	7.5	8.7	9.8	11.9	11.9
87.5°	5.4	5.4	6.5	7.5	8.7	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)