

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: P180777

Luminaire Tested: **ICM-E03-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180777  
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-E03-LED-E1-SL4-HSS-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5186.5 lumens  
Efficiency: N/A  
Efficacy: 69.0 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: B0 - U0 - G2  
  
Input Watts (W): 75.2  
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

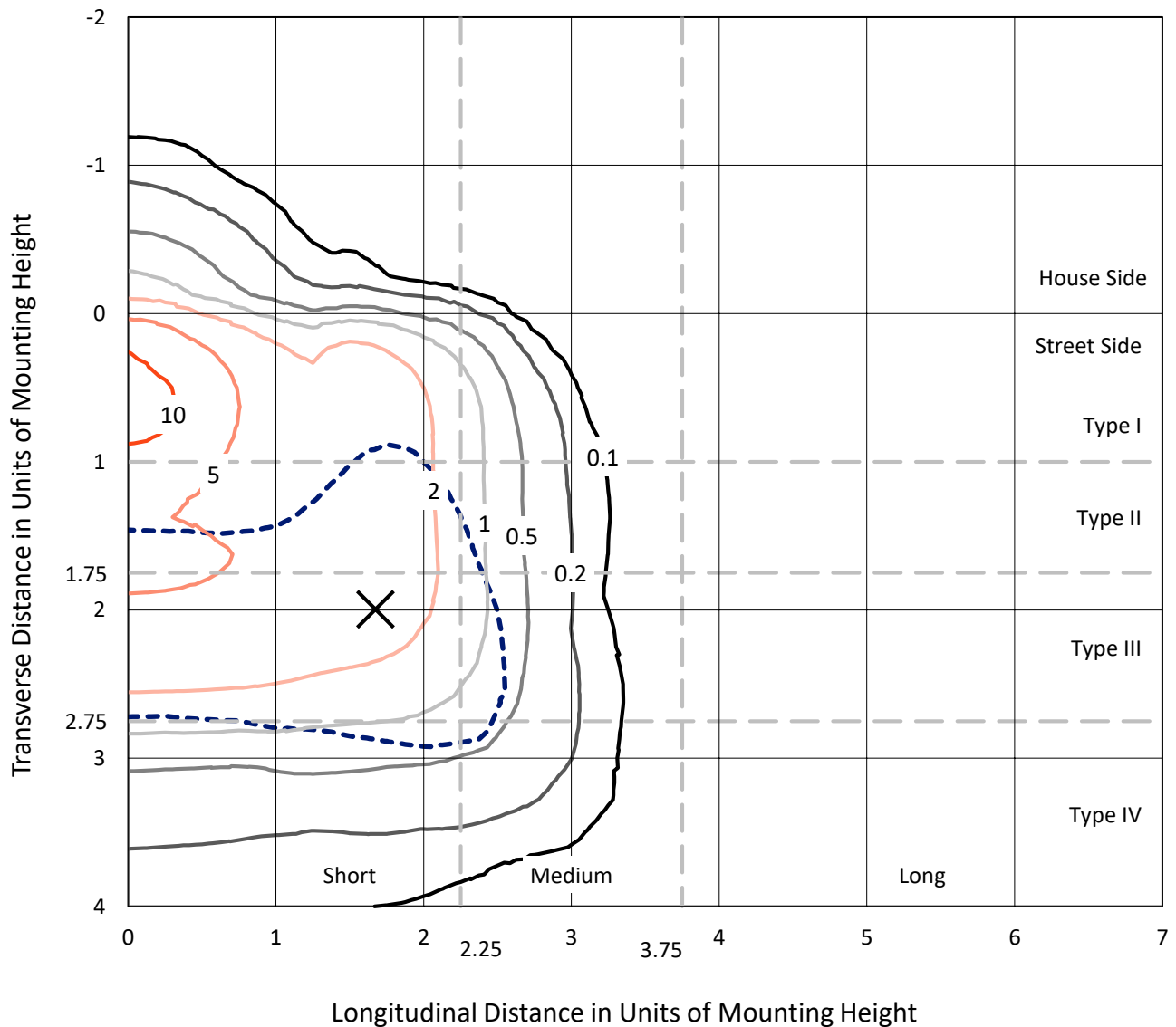


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### Iso-Footcandle Lines of Horizontal Illumination

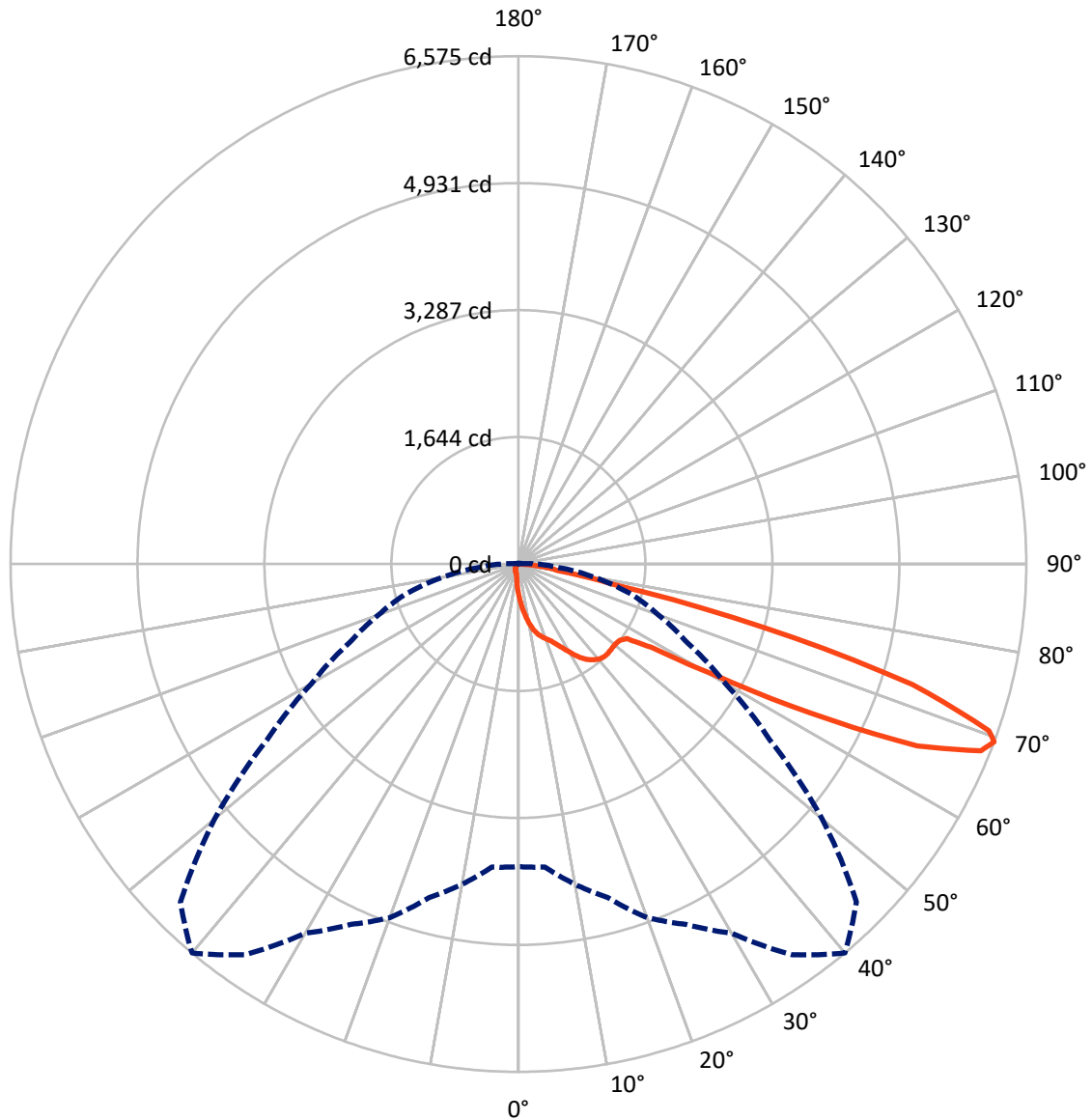
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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	154.5	0.0	154.5
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	5032.1	0.0	5032.1
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	5186.5	0.0	5186.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	0.8
10°-20°	138.8	2.7
20°-30°	265.7	5.1
30°-40°	441.8	8.5
40°-50°	597.8	11.5
50°-60°	934.9	18.0
60°-70°	1922.2	37.1
70°-80°	773.5	14.9
80°-90°	71.6	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°	5186.5	100.0
0°-180°	5186.5	100.0



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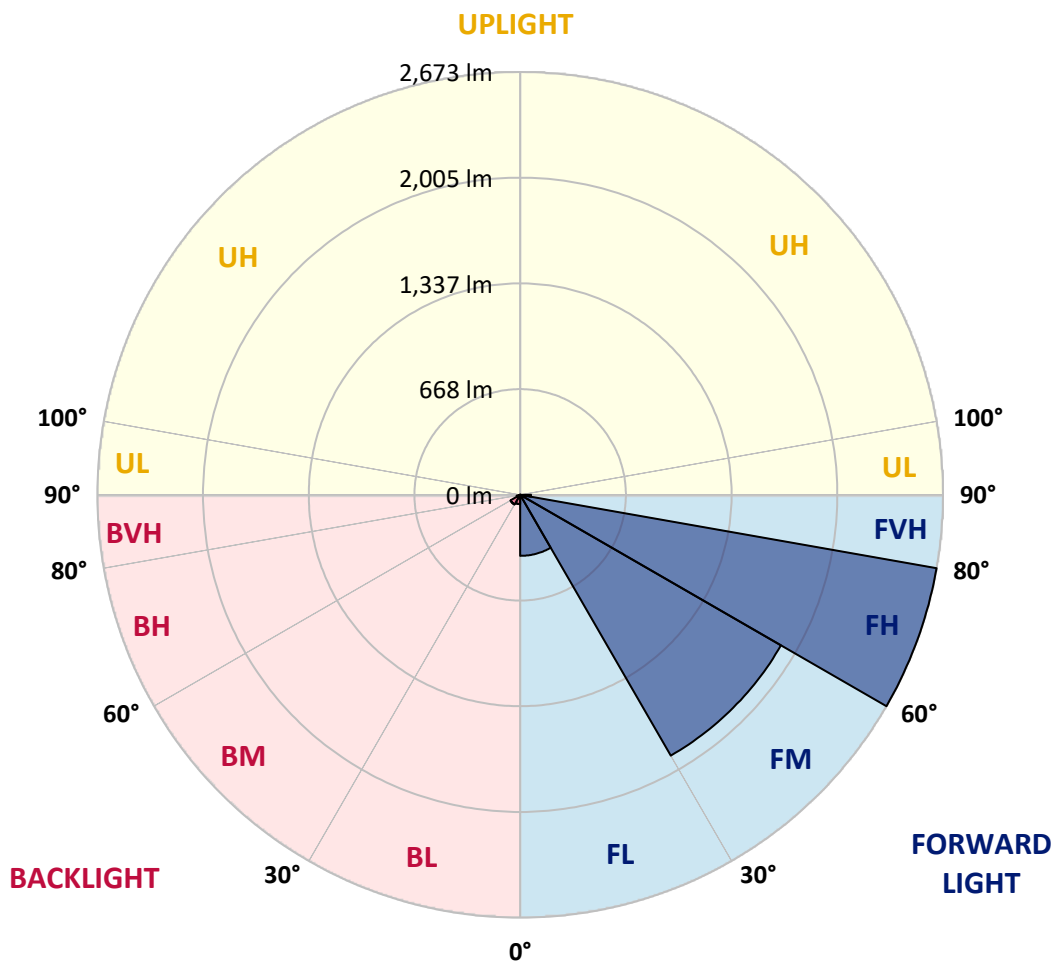
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.0	7.4			
FM (30°-60°)	1904.0	36.7			
FH (60°-80°)	2673.2	51.5			G2/5000
FVH (80°-90°)	68.9	1.3			G1/100
BL (0°-30°)	58.7	1.1	B0/110		
BM (30°-60°)	70.5	1.4	B0/220		
BH (60°-80°)	22.5	0.4	B0/110		G0/110
BVH (80°-90°)	2.7	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°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	522.5	516.6	509.8	509.8	501.3	501.3	496.2	482.6	480.9	473.2	465.6
5°	667.0	661.9	653.4	645.7	638.9	627.1	618.5	602.4	584.6	567.5	552.3
7.5°	808.0	805.5	790.1	787.6	776.6	757.0	740.0	716.3	685.7	661.9	633.9
10°	938.9	932.9	929.5	915.1	898.9	877.7	851.4	822.4	786.8	749.4	709.4
12.5°	1042.5	1039.1	1023.8	1017.9	1000.8	979.6	946.5	909.1	873.4	825.0	778.2
15°	1119.8	1113.9	1103.6	1094.3	1074.0	1055.3	1024.7	983.9	940.6	887.9	831.8
17.5°	1184.4	1173.3	1170.8	1156.4	1135.1	1113.0	1079.1	1041.7	990.7	938.0	876.8
20°	1271.1	1255.7	1250.7	1229.4	1204.8	1174.2	1135.1	1088.4	1034.9	977.1	914.2
22.5°	1373.0	1362.0	1350.9	1332.2	1300.8	1257.5	1200.6	1149.6	1081.6	1017.9	949.9
25°	1517.4	1508.1	1490.2	1464.8	1425.7	1373.9	1305.0	1230.2	1150.4	1068.8	988.9
27.5°	1657.6	1649.1	1636.4	1616.8	1572.7	1515.7	1430.8	1335.6	1234.5	1135.9	1047.6
30°	1789.3	1781.7	1768.9	1749.4	1710.3	1654.2	1558.2	1456.3	1330.5	1215.8	1109.6
32.5°	1931.2	1928.7	1914.2	1886.2	1852.2	1776.6	1672.1	1562.5	1435.0	1302.5	1178.4
35°	2091.8	2072.3	2058.6	2030.6	1972.8	1892.1	1769.8	1650.0	1515.7	1379.8	1241.3
37.5°	2227.7	2209.0	2192.0	2156.4	2085.9	1983.1	1844.6	1712.8	1574.3	1435.9	1294.8
40°	2327.2	2317.8	2297.4	2250.7	2171.6	2049.3	1899.8	1756.2	1616.8	1477.5	1338.1
42.5°	2401.0	2386.6	2363.6	2315.3	2221.8	2082.4	1921.9	1774.1	1636.4	1503.0	1366.2
45°	2428.3	2416.4	2395.1	2342.4	2241.3	2091.8	1921.0	1768.9	1637.2	1510.6	1384.9
47.5°	2412.1	2400.2	2381.5	2332.2	2232.9	2080.8	1905.7	1754.5	1628.8	1513.2	1401.9
50°	2358.6	2351.8	2337.3	2295.7	2206.5	2059.5	1892.1	1746.8	1627.1	1526.0	1425.7
52.5°	2353.5	2349.2	2331.4	2289.8	2198.9	2052.8	1890.4	1751.1	1641.5	1542.1	1442.7
55°	2876.0	2815.6	2680.6	2565.9	2377.3	2152.9	1976.3	1819.9	1702.7	1605.8	1536.1
57.5°	4087.6	3997.5	3819.9	3601.6	3168.3	2742.6	2401.9	2155.5	2034.1	1989.9	2016.2
60°	4655.1	4639.0	4611.0	4507.3	4285.5	3919.4	3511.6	3070.5	2893.9	2878.5	2932.1
62.5°	4924.5	4914.3	4922.8	4910.1	4841.2	4734.2	4616.9	4426.6	4251.6	4138.5	3899.0
65°	5048.5	5055.3	5103.8	5142.0	5150.5	5178.5	5264.3	5501.3	5674.7	5383.3	4718.0
67.5°	4733.3	4773.2	4884.6	5023.8	5187.0	5345.1	5599.9	6099.5	6455.5	6113.2	5168.3
69°	3918.5	3938.1	4210.0	4472.5	4870.9	5149.6	5519.2	6174.3	6574.5	6187.9	5132.6
70°	3085.0	3102.9	3394.3	3751.1	4424.9	4783.5	5266.9	6047.7	6463.2	6088.5	4949.1
72.5°	1391.7	1366.2	1469.0	1660.2	2392.6	2961.8	3807.2	4899.8	5332.3	4877.7	3702.7
75°	972.0	960.9	972.0	972.8	1086.7	1401.9	1768.9	2655.9	3284.7	2834.3	1768.9
77.5°	752.7	745.1	737.5	729.0	742.6	831.8	867.4	942.2	1223.4	1157.2	674.6
80°	595.6	588.8	607.4	601.6	601.6	611.7	604.9	576.9	524.2	486.0	435.0
82.5°	277.0	278.7	278.7	302.5	364.5	425.7	445.2	417.2	370.4	315.3	254.0
85°	26.3	29.8	50.1	77.3	153.8	173.3	174.1	144.5	144.5	113.9	91.7
87.5°	0.0	0.8	0.8	0.8	7.6	21.2	17.9	5.1	2.5	2.5	4.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	452.0	449.5	439.3	429.0	419.7	409.5	400.2	390.8	380.7	373.0	363.6
5°	528.5	509.8	488.6	468.2	447.7	426.5	404.5	384.8	364.5	345.8	328.0
7.5°	605.8	569.2	540.4	503.8	470.7	437.6	407.0	375.5	346.6	319.4	294.0
10°	671.2	627.1	582.0	535.3	487.7	443.5	401.0	363.6	325.4	292.3	260.8
12.5°	724.7	668.7	613.4	554.8	501.3	445.2	392.6	347.5	302.5	265.1	232.8
15°	773.1	708.6	642.3	574.3	506.4	442.7	384.0	328.0	282.0	239.6	203.1
17.5°	812.3	738.3	663.5	587.1	514.0	439.3	373.0	314.3	260.8	216.7	180.9
20°	846.2	768.9	688.2	602.4	519.2	438.4	363.6	297.4	242.1	195.4	160.6
22.5°	877.7	800.4	713.7	622.0	526.8	437.6	355.2	284.7	226.0	179.3	144.5
25°	913.4	831.8	740.8	642.3	540.4	440.9	350.0	274.4	211.5	164.0	131.7
27.5°	953.3	867.4	773.1	667.8	558.2	447.7	348.4	263.4	198.8	149.5	121.5
30°	1009.4	910.0	805.5	693.3	574.3	455.4	346.6	256.6	186.0	138.5	111.3
32.5°	1058.6	951.6	841.1	719.6	592.2	463.1	345.8	247.3	174.1	127.4	103.6
35°	1110.4	989.9	871.7	745.1	607.4	471.5	344.9	240.5	163.2	116.4	96.0
37.5°	1155.5	1022.1	895.5	767.3	624.5	479.2	345.8	234.5	152.9	107.1	89.2
40°	1193.8	1055.3	921.9	787.6	642.3	491.1	346.6	228.6	142.7	98.5	83.3
42.5°	1227.7	1086.7	949.9	810.5	662.7	504.7	351.7	223.4	134.2	90.9	77.3
45°	1254.1	1115.5	980.5	842.8	695.8	526.8	361.1	220.1	125.8	84.1	72.2
47.5°	1281.2	1158.1	1032.3	893.8	744.3	561.6	377.2	219.2	119.0	79.0	68.0
50°	1318.6	1200.6	1078.1	945.7	788.5	597.3	396.7	220.1	110.4	74.0	63.7
52.5°	1345.8	1243.8	1137.7	1035.7	893.8	706.1	472.4	235.4	106.2	69.7	58.6
55°	1506.4	1488.6	1491.1	1508.1	1398.5	1201.4	790.1	339.8	124.9	79.0	57.8
57.5°	2124.1	2187.0	2223.5	2222.6	2041.7	1693.3	1061.2	436.7	139.3	91.7	68.8
60°	2936.3	2888.8	2821.6	2655.9	2415.5	1932.9	1187.0	469.9	120.7	73.0	62.9
62.5°	3654.3	3375.6	3128.4	2859.8	2544.7	2016.2	1212.5	467.3	105.4	55.3	44.2
65°	4102.1	3600.8	3201.4	2864.9	2493.7	1946.5	1147.0	429.0	89.2	45.0	36.6
67.5°	4209.0	3479.3	2914.3	2485.1	2083.3	1514.9	842.0	322.9	69.7	37.4	32.3
69°	3975.5	3092.7	2414.6	1927.8	1515.7	1005.1	520.8	203.9	53.5	34.0	29.8
70°	3656.9	2690.0	1966.9	1547.2	1122.3	706.1	364.5	143.6	43.3	31.4	27.2
72.5°	2352.7	1412.9	966.9	672.9	463.1	281.2	142.7	64.6	33.1	26.3	22.0
75°	912.5	522.5	379.0	288.0	225.1	156.4	86.7	41.7	28.0	22.0	17.0
77.5°	449.5	344.1	281.2	192.8	112.2	69.7	46.7	32.3	23.0	16.2	11.1
80°	355.2	236.2	141.0	87.5	66.2	50.1	35.7	26.3	17.0	10.2	7.6
82.5°	181.9	99.4	73.0	59.4	49.3	39.1	28.9	18.7	11.1	6.8	6.0
85°	56.9	41.7	37.4	36.6	34.0	28.0	20.4	11.9	6.8	4.3	4.3
87.5°	4.3	6.0	7.6	6.0	6.8	6.0	7.6	5.1	3.4	3.4	2.5
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°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	356.8	346.6	337.3	331.4	320.3	316.1	311.8	310.1	302.5	304.2	297.4
5°	311.8	294.0	280.4	266.8	254.0	244.7	237.0	227.7	220.1	216.7	209.9
7.5°	271.1	248.1	230.2	215.8	200.6	188.7	178.4	171.6	164.8	158.0	154.6
10°	235.4	210.7	190.3	175.9	161.4	151.3	143.6	138.5	134.2	131.7	130.9
12.5°	202.2	178.4	159.7	147.0	135.9	130.9	127.4	124.9	124.0	123.2	123.2
15°	176.7	152.9	138.5	129.1	124.0	121.5	120.7	119.0	117.2	116.4	116.4
17.5°	152.9	135.1	124.9	119.8	117.2	115.5	113.9	112.2	110.4	109.6	109.6
20°	136.7	122.3	117.2	113.9	111.3	109.6	107.1	105.4	104.5	103.6	102.8
22.5°	124.0	114.7	111.3	108.7	105.4	102.8	101.1	99.4	97.7	96.8	96.0
25°	114.7	108.7	106.2	102.8	99.4	96.8	94.3	91.7	90.0	89.2	87.5
27.5°	107.9	103.6	100.3	96.0	92.7	90.0	87.5	84.9	83.3	81.6	80.7
30°	102.0	97.7	93.5	90.0	85.8	83.3	79.9	77.3	76.5	74.8	73.0
32.5°	96.0	91.7	87.5	83.3	79.0	75.6	74.0	70.5	68.8	68.0	66.2
35°	89.2	84.9	79.9	76.5	72.2	68.8	66.2	63.7	62.0	60.3	59.4
37.5°	83.3	78.1	73.0	68.8	65.4	62.0	59.4	56.9	55.3	53.5	52.7
40°	76.5	71.3	66.2	62.0	58.6	56.1	53.5	51.0	49.3	48.5	48.5
42.5°	70.5	64.6	59.4	56.1	53.5	50.1	47.5	45.0	44.2	43.3	44.2
45°	64.6	58.6	54.4	51.0	48.5	45.0	42.5	40.7	39.9	40.7	41.7
47.5°	59.4	53.5	49.3	46.7	44.2	41.7	39.1	37.4	37.4	39.1	40.7
50°	54.4	48.5	45.0	43.3	40.7	38.2	34.8	34.0	34.8	36.6	38.2
52.5°	49.3	42.5	39.9	39.1	36.6	34.0	31.4	30.6	31.4	33.1	32.3
55°	44.2	37.4	36.6	35.7	33.1	29.8	27.2	27.2	27.2	26.3	24.7
57.5°	42.5	33.1	32.3	31.4	28.9	25.5	23.8	22.0	21.2	18.7	17.9
60°	44.2	29.8	29.8	28.0	25.5	22.0	19.5	17.0	15.3	13.6	13.6
62.5°	35.7	27.2	26.3	24.7	21.2	17.9	15.3	12.7	11.9	11.1	11.1
65°	28.9	24.7	23.0	20.4	17.9	14.4	11.9	10.2	9.3	9.3	10.2
67.5°	26.3	22.0	19.5	17.0	14.4	11.1	9.3	8.5	8.5	9.3	9.3
69°	24.7	20.4	17.9	15.3	12.7	10.2	8.5	8.5	8.5	8.5	9.3
70°	23.0	19.5	17.0	14.4	11.1	8.5	7.6	7.6	8.5	8.5	9.3
72.5°	17.9	15.3	14.4	11.9	8.5	7.6	6.8	7.6	7.6	8.5	8.5
75°	13.6	11.1	11.1	9.3	6.8	6.0	6.0	6.8	6.8	7.6	7.6
77.5°	9.3	7.6	7.6	6.8	6.0	5.1	5.1	6.0	6.8	6.8	7.6
80°	6.8	6.0	5.1	6.0	5.1	4.3	5.1	6.0	6.0	6.8	6.8
82.5°	5.1	5.1	5.1	5.1	4.3	4.3	5.1	5.1	6.0	6.8	6.8
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.1	5.1	6.0	6.0
87.5°	2.5	2.5	2.5	3.4	3.4	4.3	4.3	4.3	4.3	5.1	5.1
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):**

	165°	170°	175°	180°
0°	391.7	391.7	391.7	391.7
2.5°	295.6	294.8	291.4	292.3
5°	207.4	202.2	205.6	204.7
7.5°	152.1	151.3	150.4	152.1
10°	130.0	130.0	129.1	130.0
12.5°	122.3	122.3	122.3	122.3
15°	116.4	116.4	115.5	115.5
17.5°	109.6	109.6	109.6	108.7
20°	102.8	102.0	102.0	102.0
22.5°	95.2	94.3	94.3	94.3
25°	87.5	86.7	86.7	86.7
27.5°	79.9	79.0	78.1	78.1
30°	72.2	71.3	70.5	70.5
32.5°	64.6	63.7	62.9	62.9
35°	57.8	57.8	56.9	56.1
37.5°	51.8	51.8	51.8	51.8
40°	47.5	48.5	48.5	48.5
42.5°	45.0	45.9	46.7	47.5
45°	43.3	45.0	45.9	45.9
47.5°	42.5	43.3	44.2	44.2
50°	39.1	38.2	38.2	38.2
52.5°	31.4	29.8	28.9	28.0
55°	23.0	22.0	20.4	20.4
57.5°	16.2	16.2	15.3	15.3
60°	12.7	12.7	11.9	12.7
62.5°	11.1	11.1	11.1	11.1
65°	10.2	10.2	10.2	10.2
67.5°	10.2	10.2	10.2	10.2
69°	9.3	9.3	9.3	9.3
70°	9.3	9.3	9.3	9.3
72.5°	8.5	8.5	8.5	8.5
75°	7.6	8.5	8.5	8.5
77.5°	7.6	7.6	7.6	7.6
80°	6.8	6.8	7.6	7.6
82.5°	6.8	6.8	6.8	6.8
85°	6.0	6.0	6.8	6.8
87.5°	5.1	5.1	6.0	6.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)