

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: P180636

Luminaire Tested: **ICS-E03-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180636  
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: ICS-E03-LED-E1-SL3-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

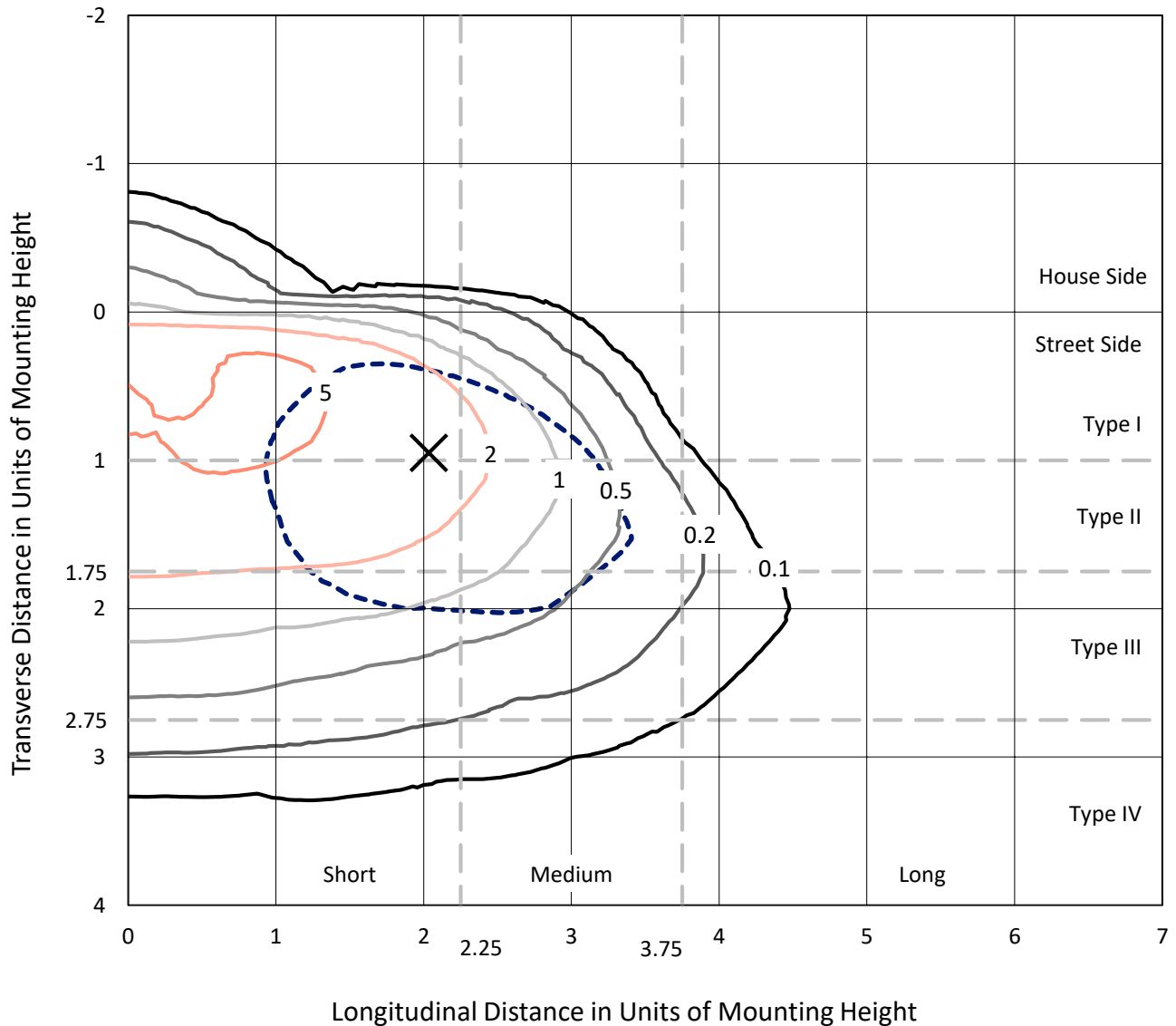
Lumens per Lamp: N/A  
Luminaire Lumens: 3951.2 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
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

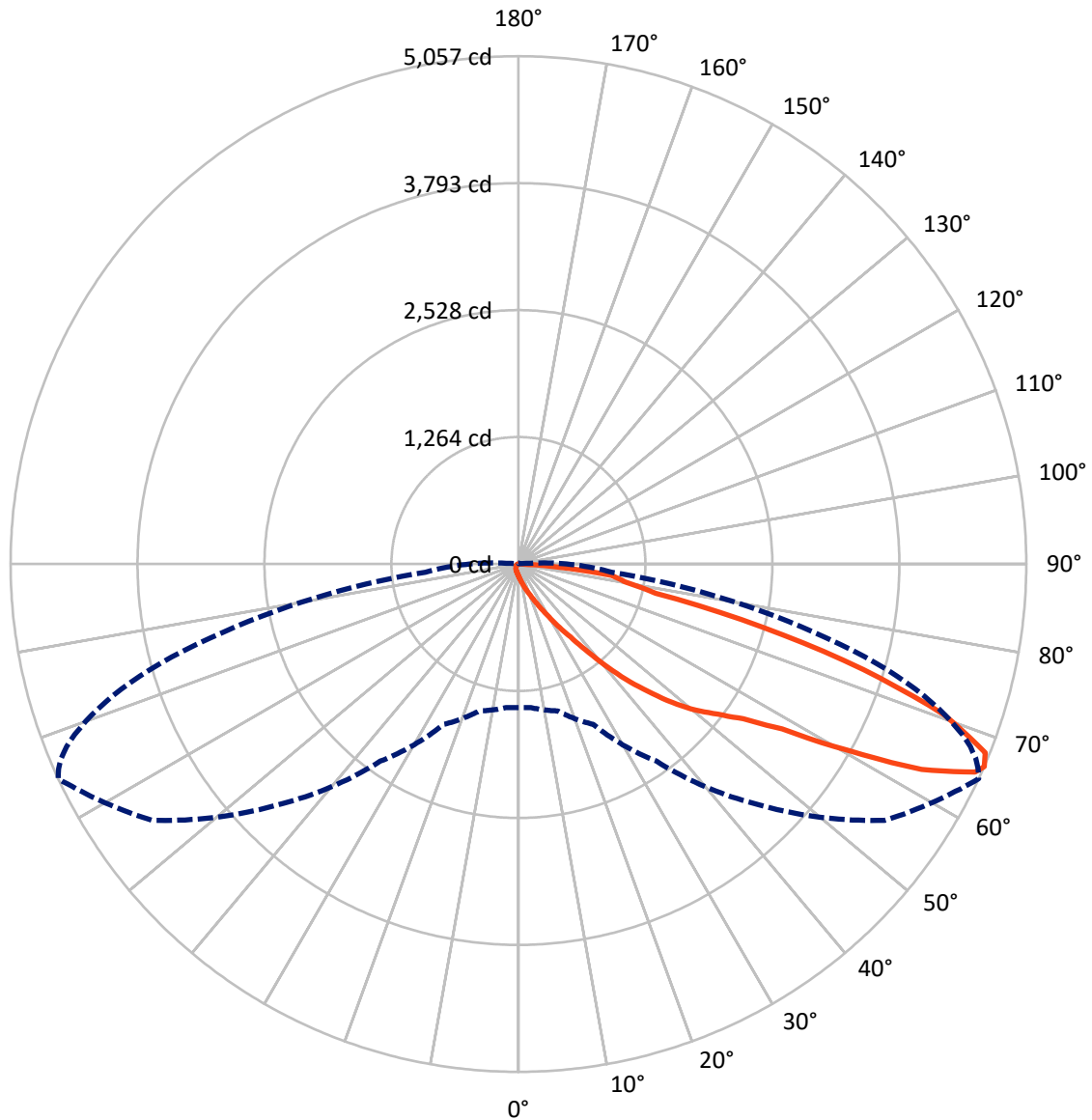
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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	85.6	0.0	85.6
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	3865.6	0.0	3865.6
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	3951.2	0.0	3951.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	56.6	1.4
20°-30°	122.1	3.1
30°-40°	260.7	6.6
40°-50°	576.6	14.6
50°-60°	977.2	24.7
60°-70°	1304.0	33.0
70°-80°	574.4	14.5
80°-90°	66.2	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°	3951.2	100.0
0°-180°	3951.2	100.0



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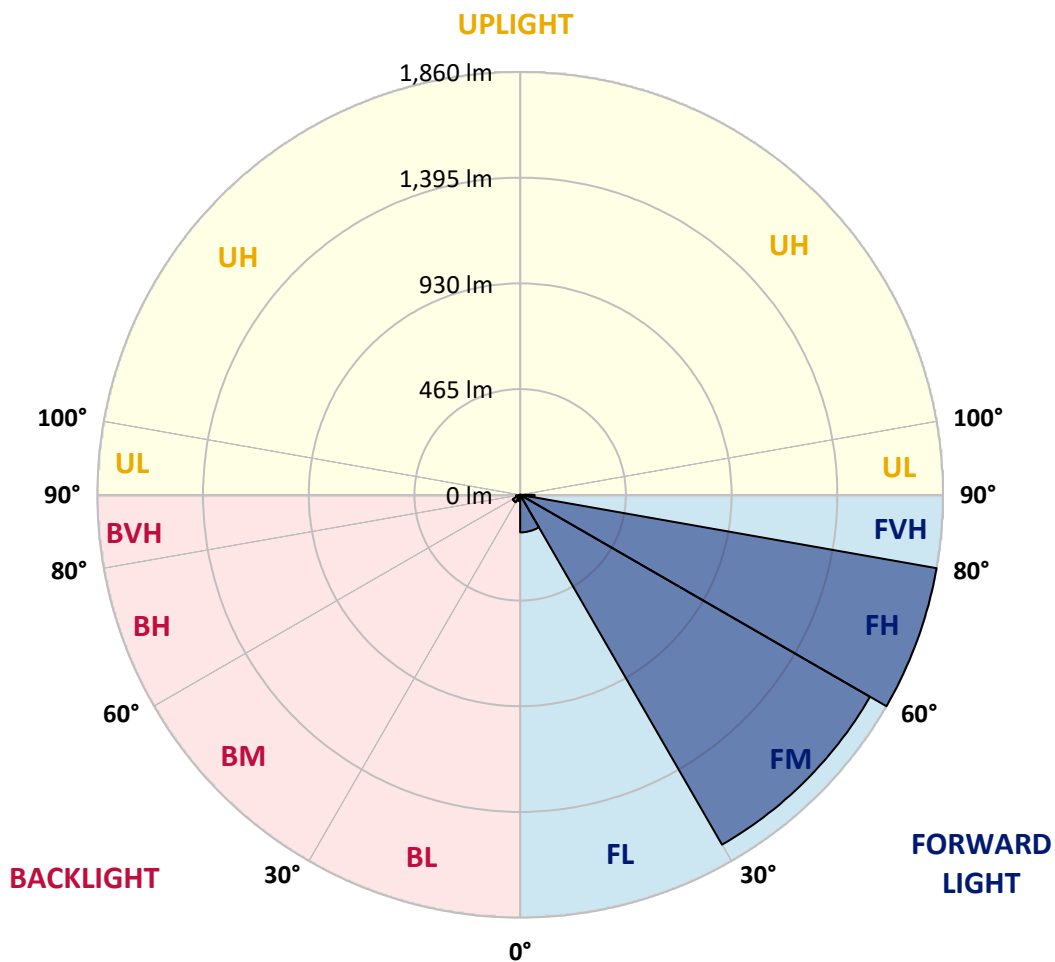
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.0	4.2			
FM	(30°-60°)	1777.0	45.0			
FH	(60°-80°)	1860.0	47.1			G2/5000
FVH	(80°-90°)	63.5	1.6			G1/100
BL	(0°-30°)	27.0	0.7	B0/110		
BM	(30°-60°)	37.6	1.0	B0/220		
BH	(60°-80°)	18.4	0.5	B0/110		G0/110
BVH	(80°-90°)	2.6	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	150.4	149.6	146.6	146.6	142.1	139.0	135.2	131.4	131.4	130.7	129.9
5°	199.0	194.5	193.7	185.4	178.5	168.6	159.5	147.4	145.8	144.3	143.6
7.5°	253.0	252.2	245.4	235.5	221.8	203.6	185.4	165.6	162.6	161.0	158.0
10°	322.8	319.0	309.9	293.2	272.7	248.4	218.8	187.6	183.8	180.8	179.3
12.5°	389.7	382.9	377.5	356.3	330.4	294.7	259.0	214.2	211.2	207.4	201.3
15°	452.0	445.9	436.8	418.6	389.7	344.9	303.1	248.4	240.8	235.5	230.9
17.5°	500.6	496.8	486.2	465.7	434.5	395.0	344.9	283.3	277.3	270.4	262.1
20°	546.9	541.6	524.9	496.8	463.4	433.0	394.2	328.9	320.6	312.2	303.1
22.5°	591.0	585.7	558.3	512.0	476.3	463.4	449.7	380.6	367.7	360.8	351.7
25°	652.5	641.1	598.6	524.9	477.0	486.9	510.5	447.4	435.3	425.4	411.0
27.5°	735.3	720.1	653.3	543.9	480.1	512.8	580.4	528.7	515.8	504.4	488.4
30°	828.8	818.9	739.1	589.5	502.1	550.7	658.6	632.0	616.8	603.1	584.2
32.5°	923.0	909.3	830.3	676.1	561.4	624.4	756.6	752.0	732.3	719.4	698.9
35°	1005.8	998.9	940.4	818.1	696.6	753.6	887.3	892.6	875.1	861.4	838.6
37.5°	1062.0	1062.0	1050.6	970.8	911.6	954.1	1079.4	1080.2	1062.7	1031.6	1020.2
40°	1090.8	1099.2	1140.2	1155.4	1152.4	1207.1	1331.6	1318.0	1303.5	1287.6	1249.6
42.5°	1150.1	1157.7	1245.0	1349.9	1418.2	1490.4	1576.2	1571.7	1554.2	1525.3	1490.4
45°	1250.4	1260.2	1364.3	1530.7	1671.2	1773.7	1828.4	1807.2	1789.7	1762.3	1744.1
47.5°	1378.0	1397.0	1514.7	1720.6	1890.0	2059.4	2116.3	2060.1	2044.9	2023.7	1994.0
50°	1513.9	1532.2	1657.5	1893.0	2084.4	2286.5	2381.4	2286.5	2264.5	2257.6	2224.2
52.5°	1631.7	1646.9	1767.7	2025.9	2233.3	2470.3	2608.6	2483.2	2467.3	2444.5	2420.2
55°	1701.6	1713.7	1826.9	2089.8	2334.4	2635.9	2828.1	2718.0	2694.4	2685.3	2650.4
57.5°	1725.1	1737.3	1839.1	2098.1	2389.0	2787.1	3094.7	3098.5	3070.4	3037.8	3027.1
60°	1725.1	1738.8	1824.6	2077.6	2442.2	2948.1	3450.3	3767.0	3706.3	3700.2	3661.4
62.5°	1653.7	1666.6	1753.2	2014.5	2513.6	3165.4	3945.5	4504.6	4487.2	4447.7	4383.8
65°	1498.8	1506.4	1591.4	1853.5	2486.3	3365.2	4374.7	4995.3	4967.2	4889.8	4807.7
66°	1428.9	1434.9	1514.7	1761.6	2396.6	3392.5	4450.7	5056.9	5010.5	4945.2	4852.5
67.5°	1327.8	1338.5	1394.7	1590.7	2181.7	3297.6	4402.8	5013.6	4973.3	4894.3	4801.6
70°	886.5	878.9	1077.2	1220.7	1662.1	2686.8	3950.1	4501.6	4502.3	4465.1	4427.9
72.5°	420.8	425.4	483.1	751.3	1087.8	1795.0	3144.1	3593.1	3644.7	3577.9	3531.5
75°	302.3	309.2	344.1	459.6	648.7	1077.2	2038.1	2512.9	2514.4	2395.9	2290.3
77.5°	88.1	91.9	129.1	283.3	486.2	727.0	1170.6	1397.0	1364.3	1279.2	1199.5
80°	36.5	36.5	38.0	90.4	195.2	493.8	818.9	1075.6	1071.8	1039.2	992.1
82.5°	13.7	14.4	18.2	37.2	46.3	121.5	546.2	933.6	931.3	885.0	851.5
85°	1.5	1.5	4.6	16.0	17.5	22.8	109.4	411.7	409.4	411.7	360.8
87.5°	0.0	0.0	0.8	1.5	2.3	3.0	4.6	16.0	17.5	16.7	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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	129.9	128.4	128.4	127.6	127.6	127.6	126.9	126.1	126.1	125.3	124.6
5°	142.1	140.5	139.8	138.3	137.5	136.7	135.2	134.5	132.9	132.2	131.4
7.5°	156.5	153.4	152.7	150.4	148.1	146.6	145.1	142.8	141.3	138.3	137.5
10°	174.7	170.9	167.9	164.8	162.6	158.8	156.5	153.4	150.4	148.1	145.8
12.5°	198.3	192.9	188.4	185.4	180.0	175.5	170.9	168.6	162.6	159.5	155.7
15°	224.1	218.0	212.7	206.6	202.8	195.2	189.1	182.3	179.3	174.0	167.9
17.5°	257.5	247.6	239.3	233.2	225.6	218.0	211.2	204.3	195.2	189.1	181.6
20°	293.2	284.9	273.5	262.8	253.7	244.6	234.7	225.6	217.3	207.4	198.3
22.5°	338.8	326.6	313.0	302.3	290.2	280.3	266.6	254.5	240.8	227.9	217.3
25°	396.5	380.6	367.7	352.5	338.0	322.8	306.1	290.9	273.5	261.3	243.1
27.5°	467.9	452.7	435.3	415.5	401.1	378.3	356.3	337.3	316.8	297.8	277.3
30°	559.1	537.1	518.8	499.8	471.0	448.9	423.1	397.3	369.2	350.2	319.0
32.5°	668.5	644.9	617.6	590.2	563.6	532.5	500.6	468.7	437.5	402.6	370.7
35°	802.2	774.1	742.9	713.3	672.3	638.9	598.6	554.5	519.6	479.3	439.1
37.5°	979.2	932.8	905.5	874.3	818.9	773.3	728.5	684.4	622.9	580.4	523.4
40°	1201.0	1173.6	1128.8	1078.7	1028.5	968.5	907.8	849.3	777.9	718.6	652.5
42.5°	1461.5	1421.3	1375.7	1303.5	1252.6	1182.0	1112.9	1035.4	948.0	872.1	794.6
45°	1706.1	1658.3	1623.3	1551.2	1498.0	1414.4	1330.9	1248.8	1147.8	1049.8	960.2
47.5°	1970.5	1931.0	1873.3	1814.8	1760.8	1666.6	1576.2	1476.7	1370.4	1254.2	1137.9
50°	2202.9	2171.8	2132.3	2061.6	2001.6	1922.6	1816.3	1707.7	1573.2	1457.7	1325.6
52.5°	2400.4	2376.1	2320.7	2270.5	2216.6	2142.2	2047.2	1943.1	1798.1	1671.2	1520.8
55°	2633.6	2616.2	2567.6	2536.4	2488.6	2417.2	2328.3	2231.8	2078.4	1940.1	1769.9
57.5°	3015.7	3002.1	2959.5	2946.6	2899.5	2837.2	2727.8	2624.5	2445.3	2273.6	2079.1
60°	3648.5	3621.2	3558.9	3527.0	3427.5	3343.9	3201.9	3059.8	2843.3	2624.5	2390.6
62.5°	4326.1	4249.4	4130.9	4029.1	3887.8	3742.7	3552.8	3335.5	3081.8	2822.0	2553.1
65°	4691.5	4560.8	4411.2	4249.4	4066.3	3852.9	3613.6	3353.0	3080.3	2806.1	2522.0
66°	4733.3	4585.9	4427.1	4247.1	4043.5	3816.4	3573.3	3299.8	3016.5	2749.1	2465.0
67.5°	4680.9	4526.7	4358.8	4159.0	3938.7	3703.2	3448.0	3163.9	2891.2	2620.0	2343.5
70°	4314.0	4160.5	4010.9	3800.4	3565.7	3328.7	3087.1	2769.6	2511.3	2262.2	2016.1
72.5°	3444.9	3340.9	3192.7	3012.7	2784.1	2506.0	2304.7	2020.6	1796.5	1555.0	1364.3
75°	2152.8	2006.2	1823.1	1593.7	1419.0	1193.4	1075.6	859.9	732.3	620.6	512.8
77.5°	1100.7	990.6	862.2	733.0	609.2	486.2	376.0	265.9	179.3	124.6	92.7
80°	909.3	812.0	705.7	588.0	478.6	371.5	267.4	182.3	116.2	76.0	59.3
82.5°	751.3	669.2	574.3	464.9	369.9	291.7	202.8	132.2	82.0	53.2	41.8
85°	319.8	290.2	224.1	177.8	133.7	98.8	69.1	46.3	32.7	26.6	24.3
87.5°	13.7	15.2	14.4	11.4	8.4	8.4	7.6	6.1	6.1	6.1	6.1
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	124.6	123.8	123.1	123.1	122.3	121.5	117.0	113.2	108.6	105.6	102.6
5°	129.9	129.1	127.6	126.9	125.3	124.6	114.7	106.3	99.5	94.2	90.4
7.5°	135.2	134.5	132.2	129.9	129.1	127.6	111.7	101.0	91.9	85.8	82.0
10°	142.1	139.8	137.5	134.5	132.2	129.9	108.6	95.0	85.1	79.8	76.0
12.5°	151.9	148.1	144.3	140.5	137.5	133.7	107.1	89.6	79.8	73.7	69.9
15°	163.3	158.0	153.4	148.9	143.6	139.8	104.1	85.1	75.2	69.1	64.6
17.5°	174.0	167.9	161.0	154.2	148.9	143.6	101.0	80.5	70.6	64.6	60.0
20°	189.1	180.0	171.7	163.3	155.7	148.9	96.5	76.0	66.8	60.0	55.5
22.5°	205.9	195.2	184.6	173.2	163.3	154.2	92.7	72.2	63.0	56.2	50.9
25°	227.1	214.2	199.8	185.4	174.0	161.8	88.9	68.4	59.3	52.4	47.1
27.5°	256.8	238.5	222.6	204.3	186.9	173.2	85.8	65.3	55.5	48.6	43.3
30°	297.0	270.4	245.4	225.6	205.1	185.4	82.8	61.5	52.4	44.8	38.7
32.5°	341.8	310.7	281.8	252.2	226.4	203.6	79.8	58.5	48.6	41.0	35.7
35°	397.3	357.8	319.0	284.9	253.7	223.3	76.7	55.5	45.6	37.2	31.9
37.5°	477.0	427.7	376.8	332.7	292.5	252.2	74.4	52.4	41.8	33.4	28.1
40°	586.4	522.6	460.3	400.3	347.9	297.8	71.4	49.4	38.7	30.4	25.1
42.5°	704.9	627.5	545.4	477.8	405.6	342.6	68.4	46.3	35.7	27.3	22.0
45°	852.3	755.8	656.3	564.4	476.3	395.0	65.3	43.3	31.9	24.3	19.0
47.5°	1013.4	890.3	777.9	662.4	557.6	460.3	61.5	41.0	28.9	21.3	16.7
50°	1179.0	1049.1	907.0	775.6	651.0	525.7	57.7	37.2	25.8	19.0	13.7
52.5°	1357.5	1204.0	1058.9	895.6	750.5	611.5	53.9	34.2	23.5	16.7	11.4
55°	1584.6	1412.9	1242.8	1059.7	885.0	711.0	50.1	30.4	20.5	14.4	9.1
57.5°	1870.2	1666.6	1457.7	1251.1	1039.2	841.7	47.1	26.6	17.5	12.2	7.6
60°	2139.9	1902.1	1649.2	1411.4	1172.1	941.9	42.5	23.5	15.2	9.9	7.6
62.5°	2279.7	2008.5	1735.8	1473.7	1218.5	977.6	38.0	19.8	12.9	8.4	6.8
65°	2245.5	1969.0	1704.6	1440.3	1190.3	954.9	33.4	17.5	11.4	7.6	6.8
66°	2196.1	1922.6	1656.8	1405.3	1166.8	930.6	31.1	16.7	10.6	7.6	6.1
67.5°	2088.2	1823.9	1570.2	1336.2	1102.2	884.2	28.1	15.2	9.9	6.8	6.1
70°	1783.6	1543.6	1340.8	1132.6	941.9	745.2	22.8	12.9	8.4	6.1	6.1
72.5°	1180.5	1017.1	881.9	758.9	634.3	492.2	19.0	10.6	6.8	6.1	5.3
75°	445.1	402.6	345.6	310.7	271.2	237.8	15.2	6.8	5.3	5.3	5.3
77.5°	79.0	72.9	64.6	59.3	54.7	50.1	12.2	4.6	4.6	5.3	5.3
80°	53.2	49.4	44.8	41.0	38.0	34.2	8.4	3.8	4.6	4.6	5.3
82.5°	38.0	35.7	33.4	30.4	28.1	25.1	5.3	3.8	4.6	4.6	4.6
85°	22.8	21.3	19.8	18.2	16.0	15.2	3.8	3.8	3.8	4.6	4.6
87.5°	6.1	5.3	6.1	6.1	4.6	5.3	3.0	3.0	3.0	3.8	3.8
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):**

	145°	155°	165°	175°	180°
0°	119.3	119.3	119.3	119.3	119.3
2.5°	101.0	101.0	99.5	101.8	101.8
5°	87.4	87.4	86.6	87.4	87.4
7.5°	79.8	79.0	79.0	79.0	79.8
10°	72.9	72.2	72.2	72.2	72.2
12.5°	66.8	66.1	65.3	66.1	66.1
15°	61.5	60.0	60.0	60.0	60.0
17.5°	57.0	55.5	54.7	54.7	54.7
20°	52.4	50.1	50.1	50.1	50.1
22.5°	47.9	45.6	45.6	45.6	45.6
25°	43.3	41.0	41.0	41.0	41.0
27.5°	39.5	37.2	37.2	37.2	37.2
30°	34.9	33.4	33.4	34.2	33.4
32.5°	31.9	29.6	29.6	30.4	30.4
35°	28.1	26.6	26.6	26.6	26.6
37.5°	24.3	22.8	22.8	22.8	22.8
40°	21.3	19.8	19.0	19.8	19.8
42.5°	18.2	16.7	16.0	16.0	16.0
45°	16.0	13.7	12.9	13.7	13.7
47.5°	12.9	11.4	11.4	12.2	12.2
50°	9.9	9.9	10.6	12.2	12.2
52.5°	9.1	9.1	10.6	12.2	12.2
55°	8.4	9.1	10.6	11.4	12.2
57.5°	7.6	9.1	10.6	11.4	11.4
60°	7.6	8.4	9.9	11.4	11.4
62.5°	6.8	7.6	9.1	10.6	10.6
65°	6.8	7.6	9.1	10.6	10.6
66°	6.8	7.6	9.1	10.6	10.6
67.5°	6.8	7.6	9.1	10.6	10.6
70°	6.8	7.6	9.1	9.9	9.9
72.5°	6.1	6.8	8.4	9.9	9.9
75°	6.1	6.8	8.4	9.9	9.9
77.5°	6.1	6.8	8.4	9.9	9.9
80°	6.1	6.8	8.4	9.1	9.9
82.5°	5.3	6.8	7.6	9.1	9.1
85°	5.3	6.1	7.6	8.4	9.1
87.5°	4.6	5.3	6.1	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)