

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: P181237

Luminaire Tested: **ICM-F01-LED-E1-T2-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181237  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F01-LED-E1-T2-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (7) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2149 lumens  
Efficiency: N/A  
Efficacy: 83.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9  
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

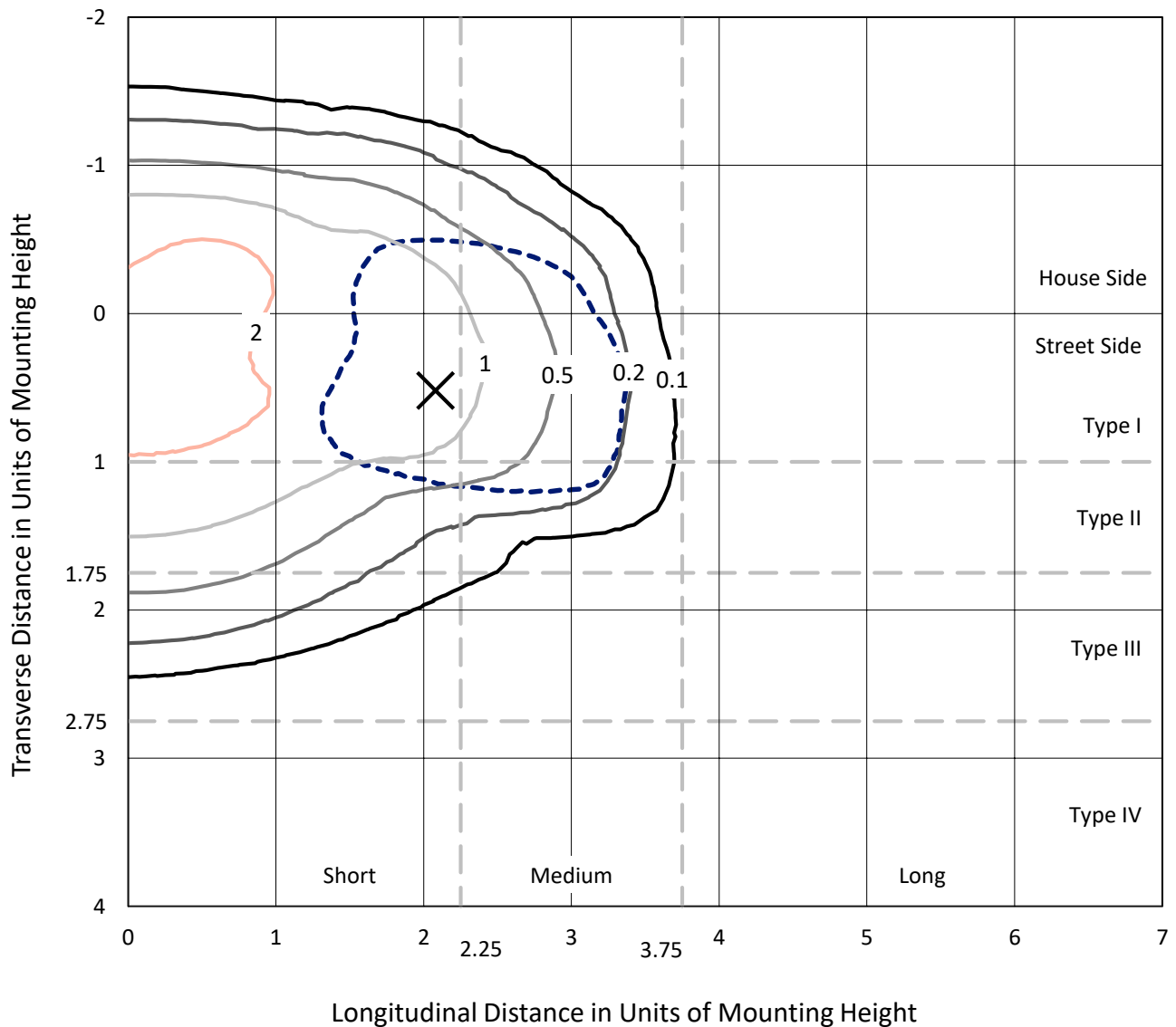


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

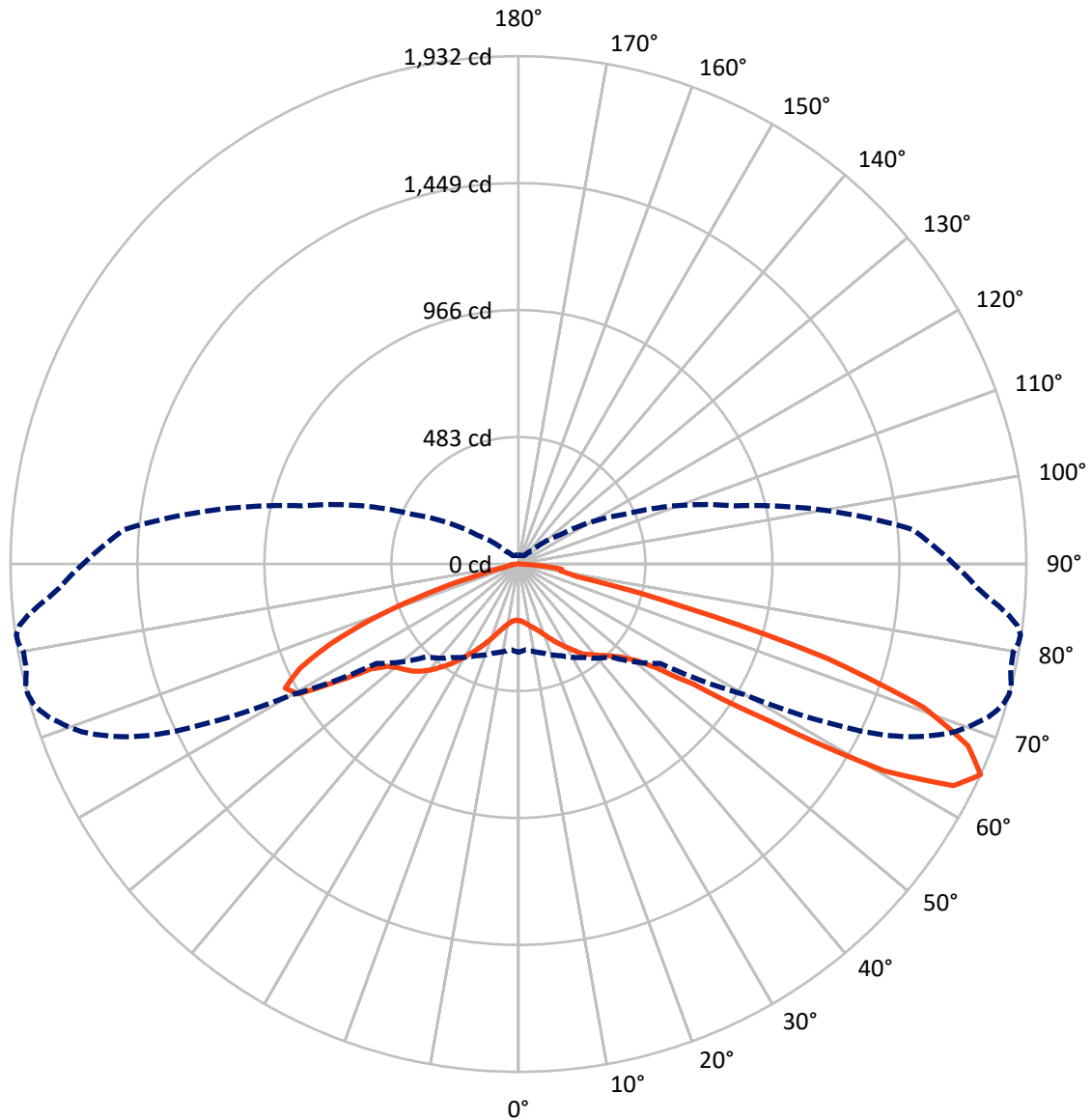


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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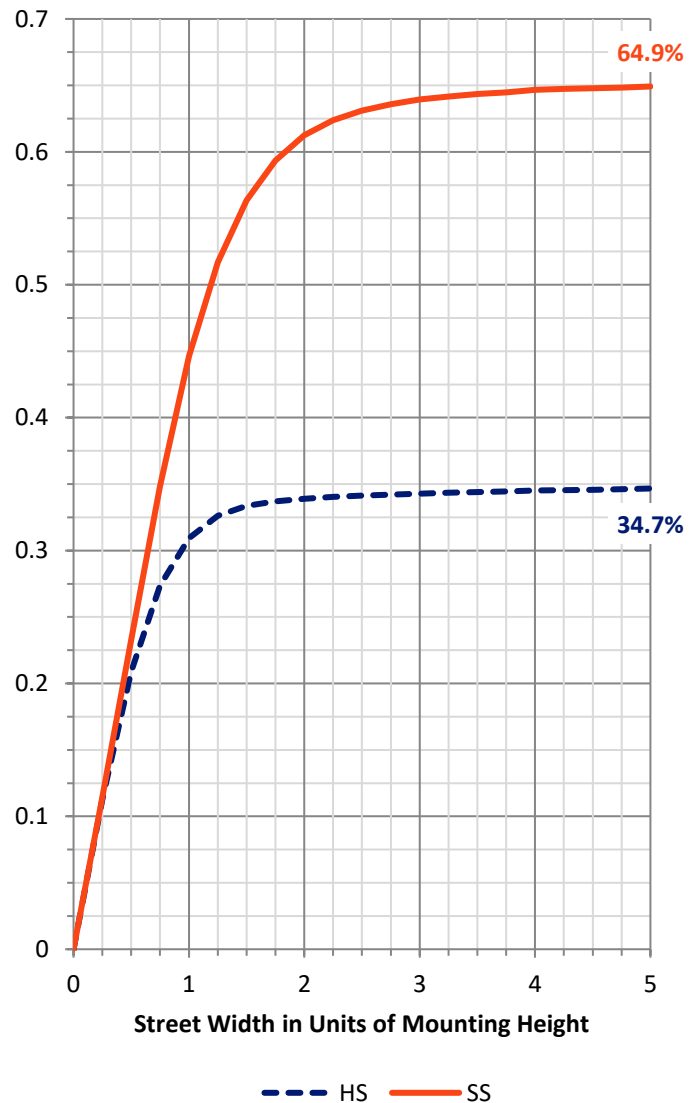
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	752.5	0.0	752.5
	% Fixture	35.0	0.0	35.0
<b>Street Side</b>	Lumens	1396.5	0.0	1396.5
	% Fixture	65.0	0.0	65.0
<b>Total</b>	Lumens	2149.0	0.0	2149.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.5	1.0
10°-20°	73.9	3.4
20°-30°	145.2	6.8
30°-40°	241.2	11.2
40°-50°	354.5	16.5
50°-60°	490.8	22.8
60°-70°	585.8	27.3
70°-80°	207.2	9.6
80°-90°	28.9	1.3
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°	2149.0	100.0
0°-180°	2149.0	100.0



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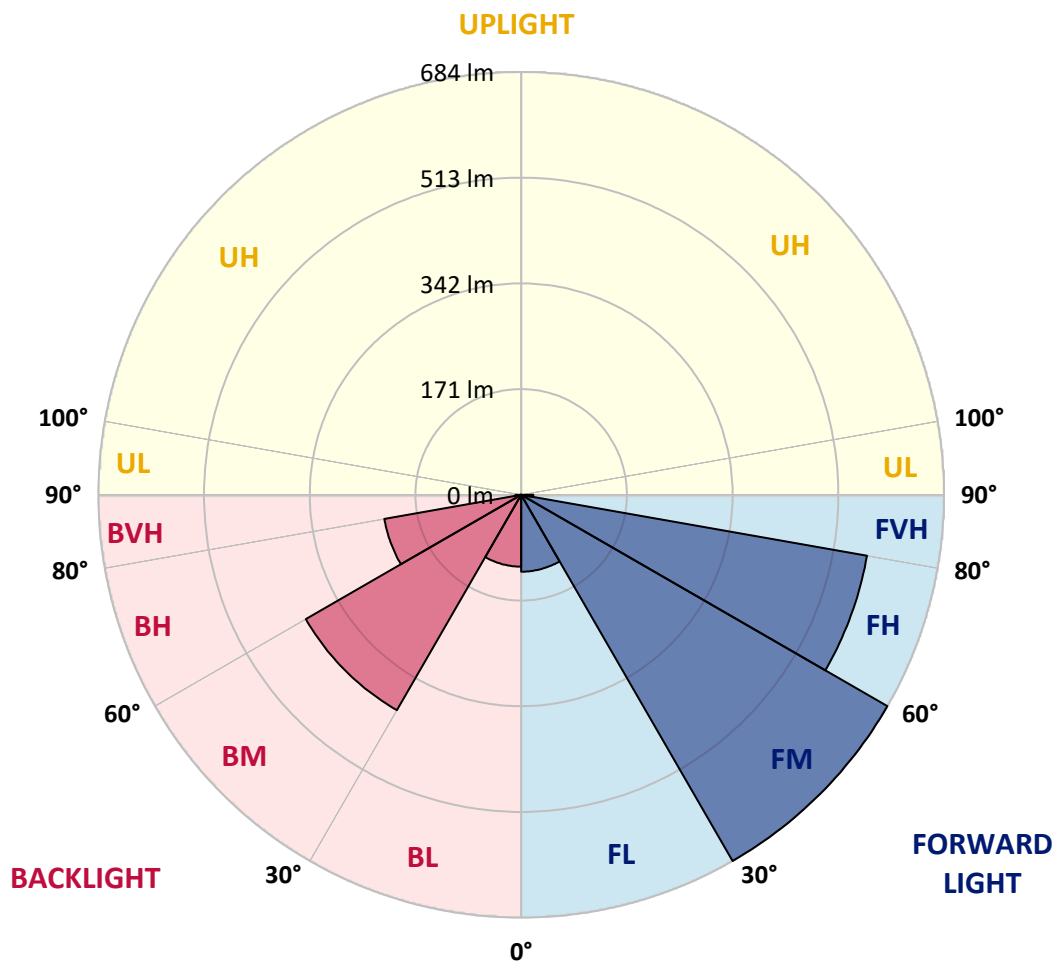
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.3	5.8			
FM (30°-60°)	684.2	31.8			
FH (60°-80°)	568.2	26.4			G0/660
FVH (80°-90°)	19.8	0.9			G1/100
BL (0°-30°)	116.3	5.4	B1/500		
BM (30°-60°)	402.3	18.7	B1/1000		
BH (60°-80°)	224.8	10.5	B1/500		G1/500
BVH (80°-90°)	9.2	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9
2.5°	224.2	224.5	224.0	223.7	223.1	221.9	220.9	220.0	220.0	220.0	219.3
5°	234.0	234.5	233.6	232.8	230.8	229.6	227.9	226.8	226.3	226.0	225.4
7.5°	246.4	245.7	244.3	243.8	242.2	239.6	236.6	234.2	234.2	234.0	234.2
10°	258.8	256.9	256.3	255.5	252.9	249.7	246.2	243.6	243.4	243.2	242.4
12.5°	271.2	270.5	269.8	267.3	264.7	259.5	255.5	252.9	252.7	252.9	252.0
15°	287.5	286.0	285.2	280.7	275.2	269.6	264.7	262.3	261.6	261.9	261.1
17.5°	300.2	300.2	298.5	293.7	286.4	278.7	273.6	272.1	271.9	271.9	272.1
20°	310.2	310.0	308.4	304.4	295.7	288.0	285.5	285.0	284.7	284.7	285.5
22.5°	315.8	315.4	314.7	310.2	303.4	298.3	298.5	300.0	300.5	300.9	301.9
25°	318.7	318.0	317.8	314.7	309.8	309.1	313.3	317.0	318.0	318.9	320.1
27.5°	323.4	322.1	322.6	321.5	320.3	322.4	331.1	335.1	335.7	336.9	337.6
30°	336.2	335.7	337.6	338.0	339.0	342.0	350.0	353.8	355.4	355.4	358.6
32.5°	360.7	361.0	361.5	366.3	368.0	370.1	374.3	377.3	377.6	377.9	380.8
35°	393.7	395.1	399.1	403.3	407.3	407.1	404.5	406.1	404.9	406.3	406.6
37.5°	435.4	433.5	439.4	448.9	455.0	453.3	441.9	434.4	436.5	435.5	434.9
40°	467.4	469.5	480.7	493.3	498.0	503.2	488.2	475.4	473.4	470.0	467.8
42.5°	511.5	511.8	520.9	530.2	543.8	555.1	545.5	527.0	521.4	517.1	508.0
45°	552.5	551.7	559.3	570.7	586.8	603.0	606.5	586.3	584.3	576.7	564.8
47.5°	579.8	578.9	584.0	599.0	625.2	651.6	666.1	660.0	656.0	653.0	634.3
50°	598.3	596.4	602.2	618.1	647.4	688.1	726.0	731.1	729.5	729.5	717.5
52.5°	612.1	612.1	616.3	629.1	658.9	709.6	777.4	803.4	805.4	807.7	807.1
55°	604.4	605.5	616.1	634.8	666.1	724.6	819.9	876.7	888.5	898.2	909.5
57.5°	578.0	582.0	595.9	626.6	668.0	735.7	867.2	979.6	1012.6	1041.1	1085.5
60°	539.4	544.6	564.8	603.9	654.1	717.5	883.7	1066.6	1119.0	1181.1	1297.1
62.5°	473.2	478.3	498.2	537.3	580.3	647.6	815.0	1079.4	1163.2	1251.3	1426.6
65°	335.3	327.1	350.0	385.0	434.4	499.6	658.6	993.2	1113.6	1233.0	1449.6
67.5°	186.8	186.1	200.1	226.3	273.6	343.7	453.8	761.7	872.6	1007.9	1273.8
70°	128.8	130.2	139.1	167.4	206.4	267.0	323.4	478.3	558.0	650.0	911.4
72.5°	90.5	93.5	98.4	115.3	155.3	224.9	330.3	286.0	325.7	388.4	548.0
75°	53.1	55.2	58.7	66.9	88.4	150.3	342.0	251.4	251.4	266.0	331.5
77.5°	32.7	32.7	34.8	38.1	47.0	73.7	243.6	282.4	274.5	266.0	266.8
80°	16.8	18.0	21.0	22.7	26.1	33.7	109.4	263.5	288.9	306.0	294.1
82.5°	7.7	8.7	12.8	13.8	15.2	17.8	37.7	149.9	200.8	264.5	330.3
85°	4.0	4.0	6.8	8.4	9.1	8.2	13.8	60.6	91.6	139.8	218.8
87.5°	0.7	0.7	1.2	1.4	2.1	1.9	2.3	3.5	5.9	6.3	6.5
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9
2.5°	219.1	219.3	219.1	218.8	218.3	218.3	218.3	218.1	218.1	218.1	217.9
5°	225.4	224.5	224.7	224.2	224.0	223.7	224.0	223.5	223.1	223.3	223.1
7.5°	233.3	232.8	231.9	231.9	231.7	231.3	231.3	230.5	230.3	229.9	229.6
10°	242.2	241.0	241.5	241.0	241.3	240.4	239.9	239.4	239.0	239.0	239.2
12.5°	251.4	251.1	250.4	250.0	250.0	249.2	249.5	249.2	248.6	248.3	247.6
15°	260.7	260.7	260.0	260.2	260.0	259.5	259.1	259.1	258.6	258.1	258.3
17.5°	271.6	271.6	271.6	271.6	271.9	271.2	271.4	271.0	270.5	271.4	271.4
20°	286.0	286.9	286.9	286.6	287.8	287.1	286.9	288.0	286.9	288.5	288.3
22.5°	302.3	303.3	303.3	304.2	304.4	305.1	305.6	305.1	306.0	307.0	307.0
25°	320.6	321.5	322.1	323.5	324.3	323.8	324.0	325.2	325.7	326.6	327.5
27.5°	339.7	339.9	340.8	342.5	343.7	344.2	344.4	346.2	346.5	347.0	347.9
30°	358.4	360.7	360.3	362.4	363.1	363.8	365.2	365.9	367.5	368.5	368.5
32.5°	380.4	379.9	381.8	383.4	384.6	385.8	387.0	387.9	388.8	389.3	391.6
35°	407.7	408.7	408.7	408.9	411.7	411.9	412.9	415.0	415.7	417.1	418.0
37.5°	434.9	433.2	433.0	433.0	432.1	432.7	433.0	433.2	434.1	434.4	435.4
40°	465.2	463.2	461.3	460.1	458.2	455.6	455.2	454.0	454.7	454.5	454.7
42.5°	506.9	501.0	496.6	493.3	489.6	486.8	484.7	481.6	479.5	476.9	476.5
45°	559.9	548.9	541.5	536.1	530.7	523.0	518.6	513.9	509.7	505.5	502.0
47.5°	629.6	618.0	606.1	596.2	587.7	575.4	562.8	555.7	547.5	540.3	535.2
50°	711.7	697.7	692.0	678.2	667.7	649.0	633.4	621.9	605.5	594.5	584.9
52.5°	795.6	792.1	789.0	777.4	765.0	754.2	740.5	720.4	703.7	691.1	671.4
55°	910.0	911.5	910.4	904.1	899.6	889.4	883.7	866.2	858.7	840.5	819.9
57.5°	1102.3	1115.4	1132.0	1138.6	1147.4	1139.1	1148.8	1160.8	1131.1	1141.4	1122.9
60°	1348.1	1408.2	1443.9	1487.9	1516.7	1556.8	1564.1	1574.6	1571.5	1577.4	1589.3
62.5°	1498.1	1569.5	1638.0	1687.8	1741.1	1770.5	1806.1	1830.9	1856.6	1873.9	1868.9
65°	1542.3	1615.7	1678.0	1732.5	1780.1	1816.1	1849.1	1880.2	1903.8	1920.4	1930.2
67.5°	1380.1	1476.0	1541.4	1605.2	1666.7	1704.7	1732.2	1762.3	1796.9	1825.7	1831.4
70°	1038.5	1182.3	1275.2	1351.5	1423.8	1474.8	1513.4	1541.4	1568.3	1588.8	1611.4
72.5°	649.5	775.3	881.4	980.6	1057.2	1127.4	1159.9	1222.1	1213.9	1229.6	1246.3
75°	389.3	450.5	508.9	578.9	619.1	677.6	688.1	698.3	692.9	675.4	688.6
77.5°	270.5	280.6	280.1	276.1	271.9	261.6	248.3	241.0	236.1	229.1	231.9
80°	272.1	250.4	217.2	182.6	150.8	129.8	121.3	121.3	130.0	142.4	154.8
82.5°	325.2	302.0	269.3	225.4	178.6	145.4	123.3	114.3	116.0	128.6	144.5
85°	219.3	224.5	196.8	180.0	142.6	111.1	93.0	75.5	66.9	68.9	78.0
87.5°	7.9	9.6	3.5	4.7	3.3	2.8	2.8	3.1	2.1	2.6	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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9
2.5°	217.7	217.4	217.4	216.9	216.9	216.7	216.7	216.5	216.3	216.3	216.0
5°	222.8	222.6	222.1	221.9	221.4	221.4	221.2	220.7	220.7	220.3	220.0
7.5°	230.0	229.6	229.1	228.9	228.7	227.9	227.9	227.4	227.4	227.0	226.8
10°	238.7	238.2	237.8	238.0	237.3	237.0	236.6	236.6	235.9	235.6	235.6
12.5°	248.1	247.8	247.8	247.2	246.9	246.7	245.7	245.7	245.7	245.2	245.5
15°	258.1	258.3	257.7	258.3	258.1	257.4	257.4	257.4	256.5	257.7	256.7
17.5°	271.6	272.4	271.9	272.1	271.6	271.6	271.9	271.6	272.1	272.1	273.6
20°	288.5	288.7	290.0	289.4	289.4	289.2	289.7	290.0	290.9	290.4	291.4
22.5°	307.0	308.2	308.4	309.3	309.3	309.1	309.6	310.5	311.0	311.6	311.4
25°	328.0	328.7	329.7	328.5	330.3	330.3	330.8	332.0	332.2	332.2	333.9
27.5°	347.6	349.5	349.8	350.9	350.2	350.7	352.4	353.0	354.0	354.0	354.4
30°	369.9	370.6	371.1	372.5	372.2	372.5	372.7	373.9	373.9	375.0	376.2
32.5°	392.7	393.2	393.7	395.1	395.6	396.6	396.1	397.0	398.1	398.4	399.1
35°	420.1	420.6	421.0	423.2	423.4	425.0	425.5	425.0	426.9	425.8	426.9
37.5°	436.0	438.1	438.6	440.0	439.5	440.7	441.4	442.3	442.8	443.7	445.6
40°	455.4	456.1	457.6	458.2	459.2	459.4	460.4	461.0	461.8	463.8	466.0
42.5°	475.4	476.3	476.9	477.9	479.1	480.0	480.7	482.8	483.3	484.7	488.7
45°	499.4	498.9	499.2	499.4	499.8	501.0	503.2	505.2	506.6	510.0	513.2
47.5°	529.3	526.2	525.1	523.3	523.7	526.2	526.7	530.2	533.0	536.1	540.1
50°	574.7	566.5	561.6	556.7	556.2	557.6	559.4	563.3	566.5	570.4	576.1
52.5°	650.9	635.3	625.4	611.8	608.1	607.4	606.1	608.1	609.0	614.4	624.9
55°	805.2	776.2	757.5	736.5	716.8	711.0	699.7	702.1	699.7	703.1	718.7
57.5°	1127.4	1104.2	1086.0	1059.1	1025.4	989.7	980.8	944.1	951.4	972.4	958.8
60°	1595.2	1586.8	1573.7	1560.8	1514.8	1488.8	1446.5	1441.9	1412.1	1412.4	1392.9
62.5°	1857.0	1867.8	1859.8	1856.1	1853.6	1845.4	1824.3	1799.1	1761.2	1733.9	1693.6
65°	1931.8	1922.7	1914.1	1912.9	1912.2	1925.6	1928.6	1910.8	1876.5	1833.9	1787.6
67.5°	1844.7	1839.5	1840.0	1830.2	1836.3	1859.4	1875.5	1870.6	1839.1	1787.6	1728.7
70°	1637.0	1627.0	1637.3	1650.1	1659.3	1672.6	1688.8	1692.7	1663.9	1611.1	1551.0
72.5°	1225.8	1227.4	1237.2	1240.8	1277.5	1273.8	1288.2	1241.0	1220.2	1170.0	1139.1
75°	645.0	634.5	661.9	603.9	580.1	596.7	550.1	505.5	514.8	522.5	466.9
77.5°	227.9	213.2	188.2	178.1	148.2	125.6	102.6	92.6	87.2	84.4	80.9
80°	163.6	168.4	163.2	151.1	128.4	102.9	81.1	64.1	55.0	50.0	46.8
82.5°	165.5	184.0	192.2	188.7	168.1	127.2	83.9	53.6	39.7	33.2	30.9
85°	88.8	97.3	93.5	78.8	70.9	42.3	29.0	19.4	16.4	15.0	13.8
87.5°	3.5	2.8	2.3	2.3	2.6	2.8	2.3	2.6	2.3	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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9
2.5°	215.5	215.5	215.5	215.4	214.9	213.7	212.6	211.6	210.9	210.1	209.2
5°	219.8	219.3	219.3	219.3	217.4	215.5	214.0	212.3	210.9	209.7	208.7
7.5°	226.8	226.5	225.6	225.4	224.0	220.9	219.1	216.3	214.6	213.0	212.6
10°	235.2	235.0	234.7	234.5	232.7	229.6	227.3	224.7	222.3	220.0	217.7
12.5°	245.0	244.7	244.6	243.8	243.2	241.5	239.0	236.1	233.3	228.5	225.9
15°	257.2	257.7	257.2	256.9	256.5	256.7	255.1	251.1	246.7	240.4	235.0
17.5°	273.3	272.8	272.7	273.6	273.3	274.5	274.0	268.8	262.0	252.0	242.7
20°	291.1	291.1	292.0	292.7	294.8	297.9	296.5	290.1	277.8	263.7	251.5
22.5°	312.4	312.8	313.8	313.3	316.6	321.5	322.0	313.0	296.9	277.5	260.5
25°	334.6	335.1	334.1	335.5	340.8	347.9	349.3	336.7	315.4	290.1	267.9
27.5°	355.6	356.1	356.1	358.0	363.1	375.0	376.4	362.4	334.1	301.1	273.3
30°	376.2	378.0	378.5	379.0	386.7	403.3	406.3	386.0	350.4	309.3	277.0
32.5°	402.1	402.8	403.7	404.9	413.9	434.1	434.1	406.3	361.0	314.4	277.8
35°	430.0	430.1	432.3	432.6	445.1	465.5	461.5	423.2	368.5	313.3	272.7
37.5°	446.8	447.7	449.9	452.7	466.0	494.7	485.6	437.7	369.9	305.6	260.9
40°	467.6	469.5	471.5	474.4	494.2	524.4	506.0	446.8	364.0	290.4	243.4
42.5°	490.0	492.7	495.9	501.0	524.7	550.6	521.4	448.2	350.7	273.3	222.6
45°	515.3	520.0	523.7	529.8	556.5	573.3	530.7	440.0	333.9	250.9	200.4
47.5°	544.6	548.3	554.8	561.3	588.0	588.7	531.6	424.1	311.0	228.5	176.7
50°	580.6	582.9	592.7	596.7	621.7	604.8	524.8	402.6	286.9	203.2	150.6
52.5°	628.5	631.7	644.4	650.4	668.2	626.8	515.3	379.3	259.3	174.9	123.7
55°	723.2	737.4	746.2	756.8	768.3	676.7	511.1	354.2	228.2	142.1	98.0
57.5°	988.9	984.3	1003.9	1027.8	1027.5	790.5	536.4	332.7	191.4	108.7	75.3
60°	1385.0	1389.5	1379.5	1393.7	1348.3	931.7	571.0	310.0	150.1	80.9	57.5
62.5°	1679.4	1653.7	1639.4	1622.5	1522.7	947.1	545.7	263.5	109.2	56.8	44.2
65°	1749.0	1718.9	1688.3	1656.2	1505.7	853.9	447.7	193.4	70.6	39.1	35.1
67.5°	1680.3	1631.9	1592.8	1559.9	1379.6	707.7	327.4	118.8	40.5	31.5	30.0
70°	1502.1	1448.6	1385.5	1348.6	1161.8	521.6	209.7	64.1	31.1	28.1	27.3
72.5°	1099.5	1055.6	986.6	944.3	834.1	317.0	117.1	36.0	29.0	26.9	26.0
75°	428.3	405.4	376.7	379.0	338.3	140.3	53.1	31.1	28.3	26.4	25.5
77.5°	73.7	71.8	66.4	66.4	75.5	51.2	35.3	31.3	28.1	26.0	24.3
80°	44.2	43.3	41.1	40.7	39.3	36.0	33.9	31.8	27.6	24.6	22.4
82.5°	29.0	27.8	27.2	26.9	29.2	31.5	31.8	31.5	26.1	21.3	18.2
85°	12.4	12.4	12.4	12.7	16.8	25.5	26.1	28.1	21.5	16.6	13.1
87.5°	2.1	2.6	2.6	2.8	3.1	5.6	7.0	9.1	7.3	7.0	6.3
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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	165°	175°	180°
0°	214.9	214.9	214.9
2.5°	209.0	208.6	208.6
5°	208.3	207.8	208.1
7.5°	211.2	210.1	210.4
10°	216.3	215.4	214.9
12.5°	222.8	221.7	221.7
15°	229.6	226.8	226.5
17.5°	235.2	231.7	231.3
20°	241.5	236.8	236.1
22.5°	247.4	241.0	240.1
25°	251.5	243.8	242.7
27.5°	253.4	244.3	243.4
30°	254.9	244.6	243.2
32.5°	253.4	242.4	241.3
35°	245.7	233.8	233.1
37.5°	232.4	219.1	218.1
40°	214.9	200.8	198.5
42.5°	192.4	179.3	176.7
45°	170.7	155.7	154.5
47.5°	147.3	133.0	133.8
50°	122.7	109.9	109.7
52.5°	99.3	88.2	87.4
55°	78.3	70.4	69.7
57.5°	62.0	57.8	57.0
60°	50.5	48.4	47.7
62.5°	40.7	40.0	39.7
65°	33.9	33.9	33.9
67.5°	29.5	29.7	29.7
70°	27.2	27.3	27.2
72.5°	26.1	26.9	26.9
75°	25.5	26.0	25.0
77.5°	25.0	25.2	23.6
80°	24.7	24.6	21.5
82.5°	21.5	20.8	18.2
85°	19.6	15.0	12.7
87.5°	10.0	7.0	5.4
90°	0.0	0.0	0.0

(END OF REPORT)