

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: P180726

Luminaire Tested: **ICS-E02-LED-E1-SL3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180726  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E02-LED-E1-SL3-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4612.7 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.1  
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

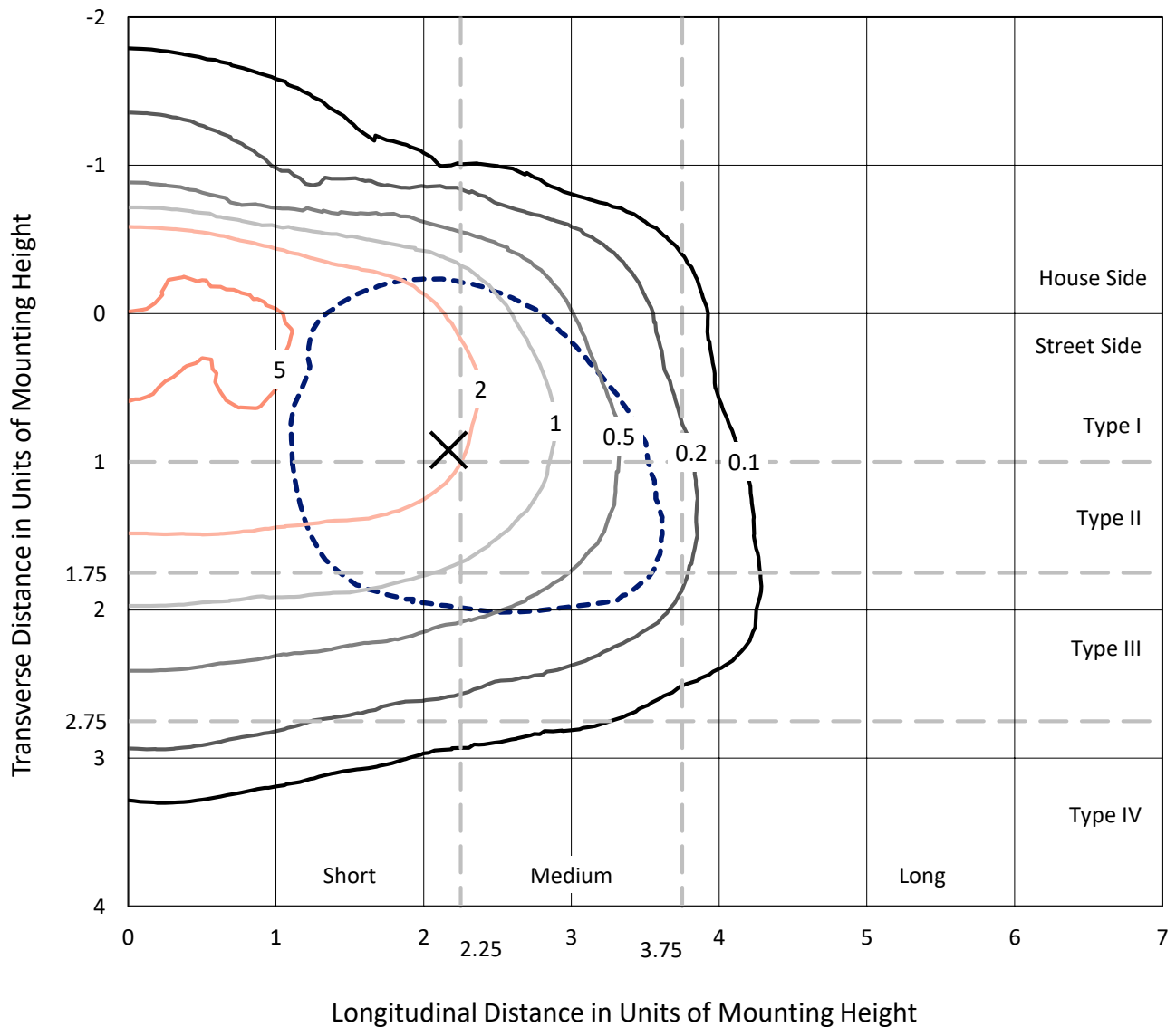


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

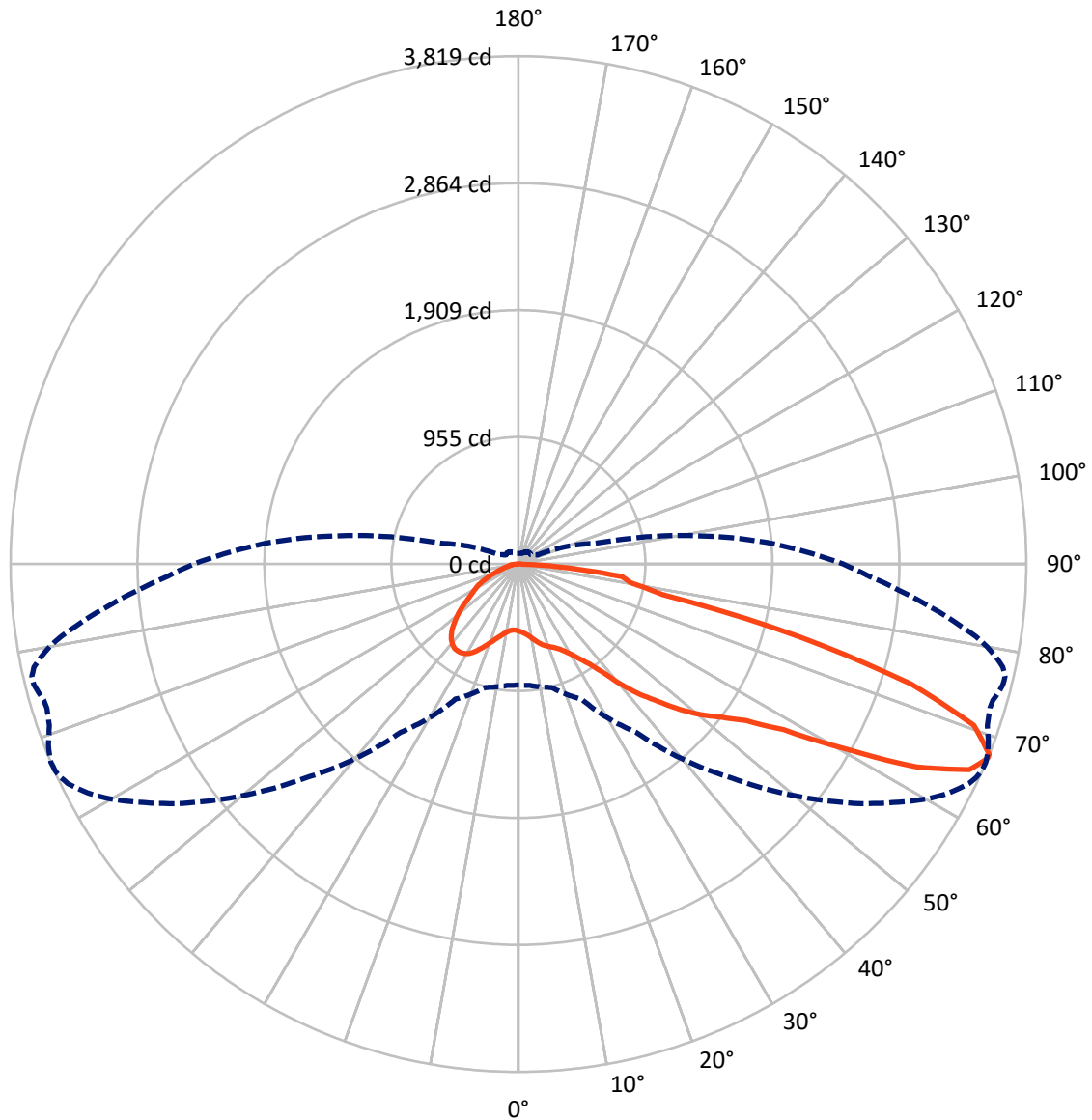


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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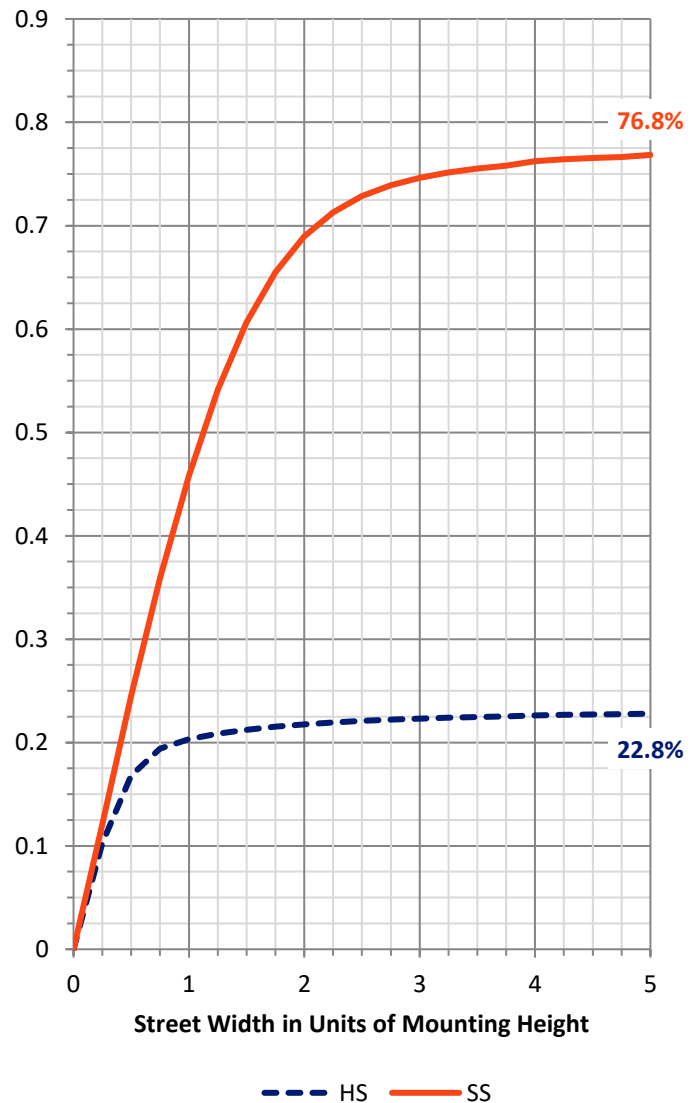
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1064.4	0.0	1064.4
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	3548.3	0.0	3548.3
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	4612.7	0.0	4612.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.2	1.1
10°-20°	172.0	3.7
20°-30°	303.7	6.6
30°-40°	436.0	9.5
40°-50°	662.2	14.4
50°-60°	974.9	21.1
60°-70°	1295.7	28.1
70°-80°	633.9	13.7
80°-90°	84.2	1.8
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°	4612.7	100.0
0°-180°	4612.7	100.0



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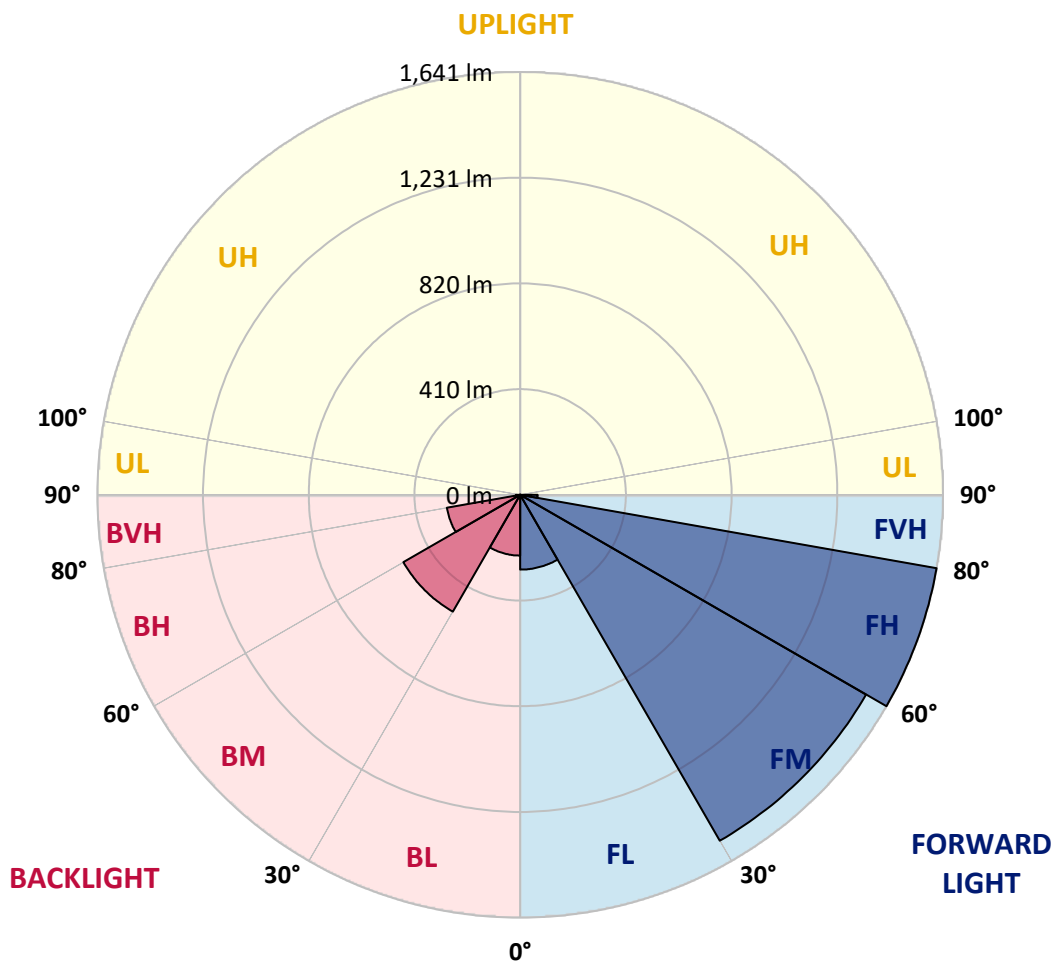
CATALOG NUMBER: ICS-E02-LED-E1-SL3-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.2	6.3			
FM	(30°-60°)	1549.8	33.6			
FH	(60°-80°)	1640.7	35.6			G1/1800
FVH	(80°-90°)	67.6	1.5			G1/100
BL	(0°-30°)	235.7	5.1	B1/500		
BM	(30°-60°)	523.3	11.3	B1/1000		
BH	(60°-80°)	288.8	6.3	B1/500		G1/500
BVH	(80°-90°)	16.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	527.7	528.2	527.2	526.7	523.6	520.6	518.6	516.0	516.0	516.0	515.0
5°	557.6	555.5	557.1	553.5	547.4	541.9	536.3	531.7	530.7	530.7	528.7
7.5°	593.5	591.0	590.0	584.9	575.8	567.7	556.6	552.0	549.5	548.5	547.4
10°	637.1	637.1	630.5	621.9	609.7	595.6	583.4	575.3	574.8	574.8	570.2
12.5°	681.6	682.7	674.0	665.4	645.7	627.0	612.8	603.7	603.1	601.1	598.6
15°	722.7	720.1	714.6	701.9	680.1	657.8	640.1	631.0	629.0	627.0	625.4
17.5°	756.6	754.1	747.0	730.8	708.0	681.6	659.9	650.2	649.2	648.2	646.2
20°	777.9	775.8	765.7	747.0	723.2	696.3	673.0	666.5	664.4	664.4	663.4
22.5°	790.0	787.0	772.3	747.5	724.2	704.4	685.2	681.1	679.6	680.1	680.1
25°	796.1	793.6	772.8	737.4	715.1	709.5	701.4	698.9	699.4	699.9	700.9
27.5°	797.1	793.6	769.3	724.2	703.4	719.1	724.7	728.7	728.7	730.8	734.3
30°	789.5	785.5	762.2	714.1	698.4	738.4	760.6	771.3	775.3	774.3	782.4
32.5°	776.3	773.8	755.1	714.1	712.5	776.3	815.8	831.0	833.1	834.1	843.2
35°	771.8	771.3	763.2	738.4	756.6	843.2	903.5	915.1	917.6	917.6	924.2
37.5°	770.8	773.3	782.4	783.9	834.1	942.5	1021.5	1039.2	1039.2	1044.2	1044.2
40°	770.8	776.3	810.8	851.8	928.8	1071.6	1181.0	1201.2	1201.2	1206.8	1203.8
42.5°	800.7	808.8	865.5	943.5	1048.3	1204.8	1330.4	1353.2	1354.7	1353.2	1357.7
45°	859.4	866.5	935.4	1047.3	1171.4	1347.6	1473.2	1500.5	1495.0	1498.5	1500.0
47.5°	937.4	948.5	1027.0	1160.7	1291.4	1479.8	1633.2	1658.0	1656.0	1657.5	1650.9
50°	1020.4	1032.1	1119.7	1273.1	1410.9	1586.1	1761.8	1798.8	1795.3	1797.8	1801.3
52.5°	1093.9	1101.0	1185.5	1357.7	1501.5	1685.4	1860.6	1906.7	1914.8	1915.8	1918.3
55°	1137.4	1146.0	1223.5	1399.8	1567.4	1782.6	1973.5	2043.4	2059.1	2063.2	2074.3
57.5°	1152.6	1161.7	1232.1	1405.8	1603.3	1873.8	2131.0	2254.1	2267.3	2289.0	2324.5
60°	1152.1	1161.7	1223.0	1392.2	1639.8	1986.7	2376.1	2582.2	2649.1	2671.4	2722.0
62.5°	1105.0	1116.2	1178.4	1350.6	1686.4	2131.0	2740.8	3057.8	3143.9	3184.4	3239.1
65°	1001.7	1009.8	1068.0	1245.3	1673.2	2273.3	3045.6	3441.1	3519.6	3578.9	3676.6
67°	910.0	915.1	960.7	1120.7	1544.6	2278.4	3141.8	3536.3	3604.7	3667.5	3768.3
67.5°	886.7	897.4	932.8	1082.7	1496.5	2249.5	3135.3	3521.7	3591.5	3656.9	3763.2
70°	721.7	736.8	754.6	855.3	1176.4	1892.5	2902.8	3267.4	3328.7	3389.5	3537.9
72.5°	445.1	472.5	476.0	539.8	765.7	1308.1	2348.8	2755.4	2801.5	2845.1	2997.0
75°	262.3	266.4	279.0	330.7	449.2	781.9	1576.0	2047.0	2089.5	2110.8	2229.8
77.5°	146.4	150.4	161.0	205.6	345.4	526.7	917.6	1202.8	1228.6	1255.4	1236.2
80°	60.8	66.3	71.4	83.1	161.5	415.8	631.0	764.7	781.4	797.1	816.9
82.5°	29.4	31.4	38.5	44.1	58.7	170.7	494.8	662.9	682.7	705.4	751.5
85°	13.7	15.2	21.3	25.3	28.4	43.0	165.6	322.6	349.9	355.0	364.1
87.5°	1.0	1.0	2.5	3.5	5.1	5.6	17.2	24.3	27.3	24.8	31.4
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	514.5	514.0	513.0	513.0	512.5	512.5	512.5	511.5	511.5	511.5	511.0
5°	528.2	527.7	526.2	526.2	525.2	525.2	523.6	523.1	522.1	522.1	521.6
7.5°	545.9	545.4	543.4	543.4	541.9	541.4	540.4	538.8	538.8	537.8	536.8
10°	570.2	568.7	566.2	565.7	566.2	565.2	564.2	562.6	561.6	560.6	559.6
12.5°	597.6	597.6	595.0	593.5	594.5	593.5	591.5	591.0	589.5	589.5	588.0
15°	623.4	623.4	622.4	620.4	620.9	619.4	618.8	617.8	615.8	616.3	615.8
17.5°	645.7	645.7	644.2	643.2	643.2	641.6	642.1	641.1	640.1	639.6	638.1
20°	663.4	663.4	662.4	661.4	661.9	661.9	660.4	660.4	660.4	659.4	659.4
22.5°	680.6	681.1	681.1	681.1	681.6	682.2	681.6	682.7	682.2	683.2	683.2
25°	703.4	704.9	706.0	706.0	708.5	709.0	709.5	711.0	711.0	712.5	713.0
27.5°	737.4	738.4	742.4	743.4	743.9	748.0	748.5	750.5	752.5	753.0	753.6
30°	783.9	786.5	789.5	791.5	791.5	796.6	798.6	797.6	803.2	804.7	806.7
32.5°	846.2	848.3	851.3	853.3	855.3	857.9	858.4	860.9	865.5	869.5	867.0
35°	924.7	929.8	924.7	930.3	931.8	935.4	934.3	937.4	939.4	940.9	940.4
37.5°	1038.7	1036.1	1035.1	1033.1	1029.6	1041.7	1035.6	1035.1	1032.1	1040.7	1035.1
40°	1188.6	1190.1	1191.6	1183.5	1179.0	1179.0	1177.4	1171.9	1169.3	1176.9	1175.9
42.5°	1345.1	1346.6	1339.5	1334.4	1322.8	1321.3	1314.2	1312.6	1310.1	1314.2	1310.1
45°	1487.4	1488.4	1472.7	1475.2	1466.1	1467.6	1456.5	1461.0	1455.0	1459.0	1466.6
47.5°	1646.4	1648.4	1634.7	1640.3	1631.2	1625.6	1625.1	1628.1	1621.6	1625.6	1627.6
50°	1790.7	1788.2	1781.1	1782.6	1778.6	1779.6	1773.5	1779.1	1771.5	1779.6	1778.6
52.5°	1918.8	1915.8	1914.3	1919.3	1915.8	1915.8	1912.2	1914.8	1915.8	1927.9	1930.5
55°	2074.3	2076.8	2079.4	2088.5	2092.5	2086.0	2092.5	2105.2	2105.7	2134.6	2150.3
57.5°	2324.0	2341.7	2350.8	2356.4	2380.2	2377.7	2392.8	2423.2	2426.3	2493.1	2532.1
60°	2759.5	2790.9	2820.8	2804.6	2852.7	2867.4	2876.5	2933.2	2950.9	3014.2	3048.2
62.5°	3309.5	3313.0	3359.6	3344.9	3372.3	3365.7	3376.8	3402.7	3425.9	3478.1	3510.0
65°	3693.3	3710.0	3728.3	3709.5	3709.0	3686.8	3672.6	3672.1	3686.2	3697.4	3732.8
67°	3797.7	3814.4	3818.9	3805.3	3785.5	3757.1	3730.8	3717.1	3708.0	3713.1	3735.4
67.5°	3796.6	3812.3	3817.9	3804.7	3777.4	3753.6	3725.7	3710.0	3697.9	3700.4	3719.2
70°	3580.9	3614.8	3633.1	3637.1	3633.6	3592.1	3568.3	3554.1	3543.9	3519.1	3517.6
72.5°	3034.0	3075.0	3089.2	3112.0	3122.1	3060.8	3035.0	3050.7	3015.2	2936.7	2940.3
75°	2227.8	2230.8	2183.2	2174.1	2140.1	2001.4	1959.9	1921.9	1861.1	1766.4	1677.3
77.5°	1161.2	1160.7	1106.0	1078.2	1037.7	954.1	950.0	882.2	834.6	748.0	716.6
80°	825.0	838.1	856.4	865.5	851.3	818.9	774.3	726.2	671.0	616.8	552.0
82.5°	767.2	775.3	785.0	749.5	729.8	684.2	650.2	580.4	541.4	479.6	414.3
85°	373.2	398.0	378.8	356.5	348.9	273.0	263.8	220.3	200.0	164.6	153.4
87.5°	23.8	29.4	26.3	23.8	20.8	11.6	15.7	11.1	11.6	8.6	7.6
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°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	511.0	510.5	510.0	509.5	509.0	509.0	508.4	507.9	507.4	506.4	506.4
5°	520.6	520.6	520.1	519.1	519.1	518.1	516.6	516.0	516.0	515.0	514.0
7.5°	536.3	535.8	534.8	534.3	533.3	532.2	531.2	530.2	529.7	528.2	527.7
10°	560.1	559.1	556.6	555.5	555.0	554.0	553.0	552.0	550.5	549.5	549.0
12.5°	586.9	586.4	584.4	585.4	582.9	581.9	580.9	578.3	579.3	577.3	576.3
15°	613.8	614.3	613.3	613.3	611.3	609.7	608.7	606.7	606.2	605.2	604.2
17.5°	637.6	638.6	637.1	636.1	635.1	634.0	632.0	630.0	630.0	628.0	627.0
20°	659.4	660.4	659.9	658.9	657.3	656.8	655.8	654.3	654.3	653.3	651.8
22.5°	684.2	684.7	684.7	684.2	682.7	683.2	682.2	680.6	681.1	679.1	679.1
25°	714.1	715.1	716.1	716.6	715.6	716.1	715.1	714.1	713.5	714.1	713.5
27.5°	755.1	756.1	759.1	756.6	759.1	759.6	758.1	756.1	757.6	760.1	758.6
30°	809.3	808.2	812.3	812.8	812.3	812.8	811.8	810.3	811.3	815.8	813.3
32.5°	870.0	872.1	873.1	874.1	875.6	877.6	876.1	874.6	877.1	875.6	879.1
35°	943.5	948.0	949.5	948.0	949.0	952.6	952.1	952.6	957.6	952.6	959.2
37.5°	1036.1	1040.7	1044.2	1042.2	1044.7	1044.7	1048.8	1059.9	1052.9	1062.0	1069.1
40°	1170.8	1177.9	1178.4	1177.9	1180.5	1183.5	1187.6	1199.7	1191.6	1201.2	1207.8
42.5°	1309.6	1318.2	1321.3	1316.2	1321.8	1328.3	1328.9	1339.5	1340.0	1341.5	1345.1
45°	1466.1	1473.7	1479.8	1477.2	1477.7	1486.3	1484.3	1494.5	1486.9	1486.9	1488.9
47.5°	1632.7	1639.8	1643.8	1647.9	1642.8	1650.4	1654.0	1651.9	1642.8	1640.8	1628.7
50°	1784.6	1790.7	1796.8	1807.9	1807.4	1811.0	1813.5	1804.4	1802.4	1791.2	1777.5
52.5°	1945.7	1961.4	1975.0	1998.3	2001.9	2014.0	2009.5	1994.3	1991.8	1973.5	1955.3
55°	2170.0	2215.1	2234.8	2270.8	2295.1	2294.6	2284.5	2281.9	2262.7	2226.2	2204.5
57.5°	2560.5	2630.9	2664.8	2711.4	2719.0	2714.4	2701.3	2678.0	2644.5	2583.3	2543.8
60°	3124.1	3167.7	3207.2	3218.3	3223.9	3215.3	3169.2	3117.5	3052.2	2967.6	2897.2
62.5°	3550.0	3594.6	3624.0	3619.4	3584.5	3540.4	3473.0	3386.4	3294.8	3200.1	3094.7
65°	3766.8	3785.5	3780.9	3745.5	3685.7	3608.8	3510.5	3403.7	3295.8	3183.9	3074.5
67°	3755.1	3755.6	3724.7	3655.9	3579.4	3482.7	3362.6	3246.2	3119.6	3002.1	2871.9
67.5°	3734.4	3732.3	3689.3	3613.8	3531.3	3431.5	3306.9	3186.4	3055.2	2936.7	2802.0
70°	3499.4	3471.0	3373.8	3253.3	3138.3	3003.6	2872.9	2734.7	2586.8	2485.0	2330.0
72.5°	2875.5	2779.8	2612.1	2486.0	2363.0	2186.7	2105.2	1933.5	1829.7	1764.9	1647.9
75°	1665.1	1585.1	1455.5	1337.5	1277.7	1173.4	1123.8	997.7	971.3	970.3	929.8
77.5°	635.6	554.5	471.0	379.3	322.6	256.2	225.9	202.1	183.8	196.5	178.3
80°	476.5	392.0	306.4	222.8	159.0	117.5	100.8	93.2	88.6	85.1	82.5
82.5°	355.0	280.1	217.3	141.8	99.3	75.0	64.8	60.8	58.7	55.2	52.2
85°	120.0	96.2	76.0	52.7	41.5	33.9	31.4	30.4	28.9	26.3	24.8
87.5°	6.6	6.1	6.6	5.1	6.1	5.1	5.6	5.6	5.6	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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9
2.5°	505.9	505.9	505.9	504.9	503.4	500.3	497.3	494.8	492.2	490.7	489.7
5°	513.5	512.5	512.0	511.5	507.9	501.9	496.3	491.2	486.2	482.1	480.6
7.5°	527.2	525.2	524.7	523.1	518.6	509.5	501.4	493.3	486.2	480.6	478.1
10°	547.9	547.9	544.9	542.9	537.8	525.7	514.0	503.4	493.8	487.7	486.2
12.5°	574.3	574.3	571.8	570.2	564.2	548.5	534.3	521.6	512.5	506.4	505.9
15°	601.6	601.1	599.1	597.1	590.5	573.8	559.6	548.5	540.9	533.8	531.7
17.5°	625.9	625.9	623.4	621.4	614.8	600.6	588.0	579.9	571.2	556.6	545.4
20°	650.2	650.8	648.7	646.7	641.1	629.0	623.4	615.3	596.1	564.2	537.8
22.5°	677.1	679.1	676.6	674.6	670.0	664.9	662.9	643.7	603.1	552.0	513.5
25°	711.5	715.1	712.0	711.0	708.5	710.0	703.9	659.4	593.0	525.7	477.6
27.5°	758.6	758.6	759.1	759.1	758.1	763.7	741.4	659.9	570.7	491.7	434.5
30°	813.8	816.9	815.8	815.8	819.9	823.4	762.2	648.7	542.4	449.7	381.8
32.5°	880.2	882.7	883.7	879.1	895.4	877.1	769.8	628.5	507.4	397.5	319.0
35°	960.2	963.7	966.3	966.8	977.4	923.7	765.7	598.6	457.3	332.2	250.2
37.5°	1064.5	1071.6	1077.2	1079.7	1080.2	963.2	754.6	559.1	392.0	259.3	186.4
40°	1203.3	1210.9	1209.3	1214.4	1185.5	986.5	729.2	501.9	310.9	190.4	143.8
42.5°	1337.0	1338.0	1340.0	1335.4	1276.7	998.7	693.8	432.0	233.0	142.3	123.1
45°	1486.3	1477.7	1468.1	1461.0	1360.8	1003.2	645.2	346.9	164.6	119.5	113.9
47.5°	1626.6	1615.0	1595.2	1575.0	1435.7	996.1	582.9	259.8	125.1	109.4	107.9
50°	1764.4	1742.6	1714.7	1691.4	1507.6	985.5	514.0	187.4	109.4	104.3	102.8
52.5°	1935.0	1898.6	1862.1	1831.7	1601.3	968.8	441.6	142.3	102.8	100.3	98.2
55°	2169.0	2118.4	2059.6	2017.1	1728.4	943.5	365.6	120.5	99.8	97.7	94.7
57.5°	2493.1	2417.2	2350.8	2281.4	1902.1	917.6	300.3	111.9	99.3	96.2	92.2
60°	2824.3	2733.2	2648.6	2549.3	2079.4	891.8	254.7	110.9	100.8	96.2	90.1
62.5°	2996.5	2902.3	2800.5	2699.7	2155.8	831.0	223.3	112.4	104.3	97.7	90.1
65°	2957.0	2842.0	2738.7	2635.9	2067.2	716.1	188.9	114.5	111.4	103.8	91.7
67°	2758.5	2638.5	2539.2	2441.0	1869.7	599.6	162.1	116.5	119.0	110.9	94.7
67.5°	2688.6	2568.6	2470.8	2375.1	1811.5	575.3	155.5	117.5	120.5	112.9	95.7
70°	2229.3	2141.2	2037.3	1963.4	1466.6	425.9	127.6	119.5	129.6	124.6	100.3
72.5°	1604.3	1520.3	1442.3	1401.3	1080.2	297.8	107.4	117.5	135.2	131.2	102.3
75°	852.8	847.8	819.4	839.6	668.5	194.5	94.7	109.9	129.1	120.0	95.2
77.5°	172.2	177.2	208.1	205.1	215.7	108.4	81.0	94.2	99.8	88.1	77.5
80°	80.0	78.5	77.0	78.0	76.5	69.4	65.8	73.9	69.4	56.7	51.7
82.5°	49.6	48.6	47.1	46.6	51.7	55.2	57.7	58.2	46.1	39.5	38.0
85°	23.8	23.8	23.3	24.3	30.4	45.1	48.6	43.0	30.9	28.4	26.8
87.5°	4.6	4.6	5.1	4.6	6.1	10.6	12.2	14.2	11.6	12.2	13.7
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°	175°	180°
0°	503.9	503.9	503.9
2.5°	488.7	487.7	487.7
5°	478.6	478.1	478.1
7.5°	476.0	476.5	476.0
10°	485.7	485.2	487.2
12.5°	506.9	508.4	507.9
15°	529.2	530.2	530.2
17.5°	535.8	532.2	531.7
20°	518.6	512.0	510.5
22.5°	486.2	474.0	474.5
25°	445.1	430.5	431.5
27.5°	397.5	381.8	381.3
30°	340.3	323.1	314.5
32.5°	271.4	250.7	250.7
35°	204.1	187.4	181.3
37.5°	155.0	145.3	142.3
40°	129.1	124.6	123.6
42.5°	117.5	116.0	115.5
45°	111.4	110.4	109.9
47.5°	105.8	105.3	104.8
50°	101.8	101.3	100.8
52.5°	98.2	97.2	96.7
55°	93.2	93.2	93.2
57.5°	90.1	90.1	89.6
60°	87.1	86.6	86.6
62.5°	84.6	83.6	84.1
65°	83.1	81.5	81.5
67°	82.0	79.0	79.0
67.5°	82.0	78.0	78.0
70°	80.5	73.9	72.9
72.5°	79.0	69.4	67.9
75°	75.0	65.8	64.3
77.5°	64.3	58.7	57.7
80°	49.6	43.0	44.1
82.5°	36.0	30.9	30.4
85°	25.8	22.3	22.3
87.5°	13.7	11.6	12.2
90°	0.0	0.0	0.0

(END OF REPORT)