

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: P181240

Luminaire Tested: **ICM-E02-LED-E1-T2-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181240  
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-E02-LED-E1-T2-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5206.3 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 52.1  
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

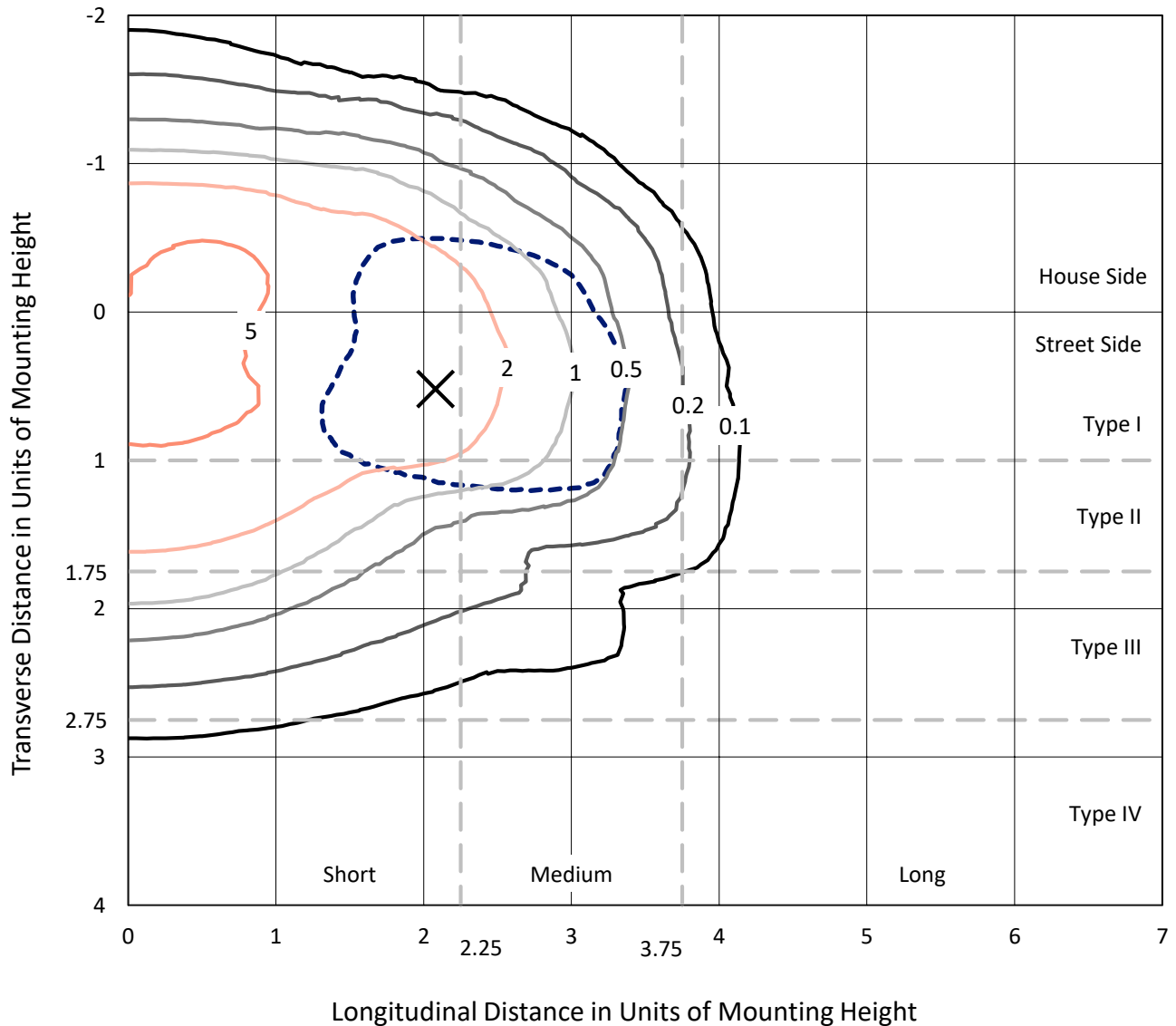


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

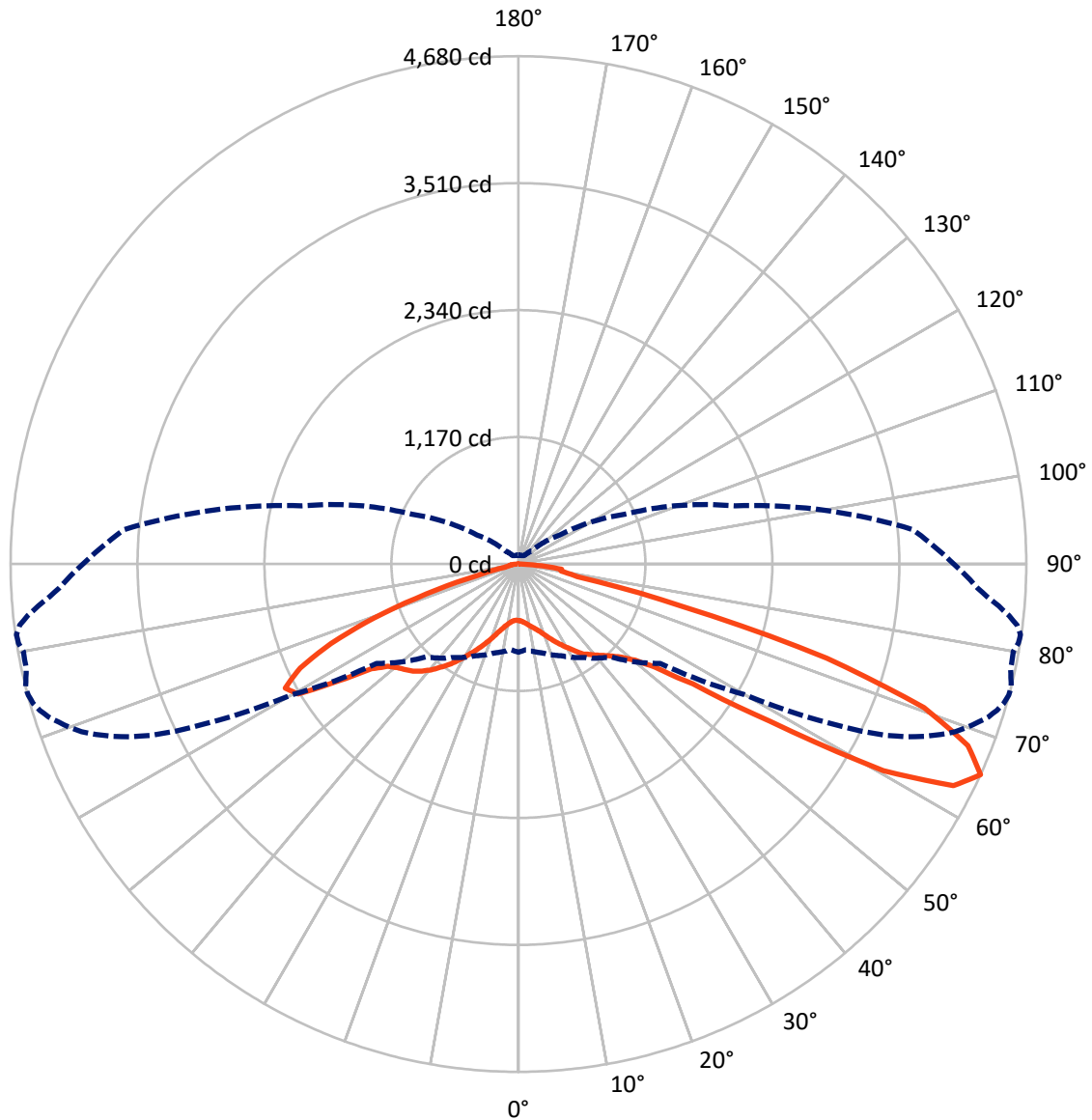


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type II - Short - Semi-Cutoff

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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	1823.1	0.0	1823.1
	% Fixture	35.0	0.0	35.0
<b>Street Side</b>	Lumens	3383.2	0.0	3383.2
	% Fixture	65.0	0.0	65.0
<b>Total</b>	Lumens	5206.3	0.0	5206.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	1.0
10°-20°	179.0	3.4
20°-30°	351.7	6.8
30°-40°	584.5	11.2
40°-50°	858.8	16.5
50°-60°	1189.0	22.8
60°-70°	1419.2	27.3
70°-80°	501.9	9.6
80°-90°	70.1	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°	5206.3	100.0
0°-180°	5206.3	100.0



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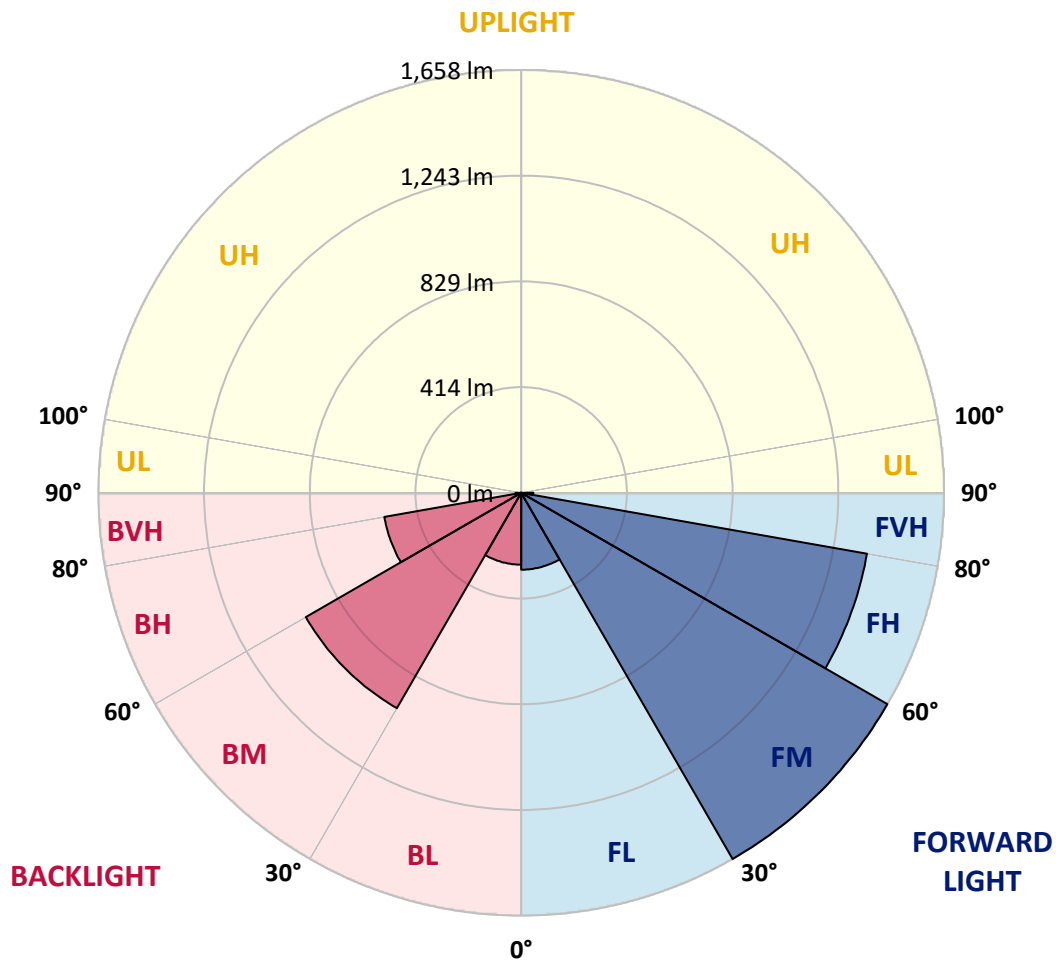
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.3	5.8			
FM (30°-60°)	1657.5	31.8			
FH (60°-80°)	1376.5	26.4			G1/1800
FVH (80°-90°)	47.9	0.9			G1/100
BL (0°-30°)	281.7	5.4	B1/500		
BM (30°-60°)	974.7	18.7	B1/1000		
BH (60°-80°)	544.6	10.5	B2/1000		G2/1000
BVH (80°-90°)	22.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6
2.5°	543.2	543.7	542.6	542.0	540.4	537.5	535.3	533.0	533.0	533.0	531.3
5°	567.0	568.1	565.9	564.2	559.1	556.2	552.3	549.4	548.3	547.7	546.0
7.5°	597.0	595.4	591.9	590.8	586.8	580.6	573.2	567.5	567.5	567.0	567.5
10°	627.1	622.5	620.8	619.1	612.8	604.9	596.5	590.2	589.7	589.1	587.4
12.5°	657.0	655.4	653.7	647.4	641.2	628.7	619.1	612.8	612.3	612.8	610.6
15°	696.7	692.7	691.1	680.3	666.7	653.1	641.2	635.5	633.9	634.4	632.7
17.5°	727.3	727.3	723.4	711.4	693.9	675.2	662.7	659.4	658.8	658.8	659.4
20°	751.6	751.1	747.1	737.5	716.6	697.9	691.6	690.4	689.9	689.9	691.6
22.5°	765.2	764.1	762.4	751.6	735.3	722.8	723.4	726.7	727.8	729.0	731.3
25°	772.0	770.3	769.8	762.4	750.5	748.8	759.0	768.1	770.3	772.6	775.4
27.5°	783.4	780.6	781.7	778.8	776.0	781.1	802.1	811.7	813.4	816.2	818.0
30°	814.5	813.4	818.0	819.1	821.3	828.7	847.9	857.0	860.9	860.9	868.9
32.5°	874.0	874.5	875.7	887.5	891.5	896.7	906.8	914.2	914.8	915.4	922.7
35°	953.9	957.2	966.9	977.1	986.7	986.1	979.9	983.9	981.0	984.5	985.0
37.5°	1054.7	1050.1	1064.3	1087.5	1102.2	1098.3	1070.5	1052.4	1057.5	1055.3	1053.6
40°	1132.3	1137.4	1164.6	1195.2	1206.5	1219.0	1182.7	1151.5	1147.0	1138.5	1133.4
42.5°	1239.4	1239.9	1262.0	1284.7	1317.5	1344.7	1321.5	1276.8	1263.1	1252.9	1230.8
45°	1338.4	1336.8	1354.9	1382.6	1421.7	1460.8	1469.3	1420.6	1415.5	1397.4	1368.5
47.5°	1404.8	1402.4	1414.9	1451.2	1514.6	1578.6	1613.8	1599.0	1589.4	1582.1	1536.7
50°	1449.5	1444.9	1459.1	1497.6	1568.4	1667.0	1758.7	1771.2	1767.3	1767.3	1738.3
52.5°	1482.9	1482.9	1493.1	1524.3	1596.2	1719.1	1883.4	1946.2	1951.4	1957.0	1955.3
55°	1464.2	1467.1	1492.6	1537.9	1613.8	1755.4	1986.4	2124.1	2152.4	2176.2	2203.4
57.5°	1400.2	1409.9	1443.8	1518.1	1618.2	1782.5	2100.9	2373.3	2453.1	2522.2	2629.9
60°	1306.7	1319.2	1368.5	1463.1	1584.8	1738.3	2141.0	2584.0	2710.9	2861.6	3142.5
62.5°	1146.4	1158.9	1207.1	1301.7	1405.9	1569.0	1974.5	2615.2	2818.0	3031.5	3456.3
65°	812.3	792.5	847.9	932.9	1052.4	1210.4	1595.6	2406.2	2697.9	2987.3	3511.8
67.5°	452.6	450.9	484.8	548.3	662.7	832.7	1099.4	1845.4	2113.9	2441.9	3085.9
70°	312.1	315.5	337.0	405.6	500.2	646.9	783.4	1158.9	1352.0	1574.6	2207.9
72.5°	219.2	226.6	238.4	279.3	376.1	544.9	800.4	692.7	789.0	940.8	1327.7
75°	128.6	133.7	142.1	162.0	214.1	364.2	828.7	608.9	608.9	644.6	803.2
77.5°	79.3	79.3	84.4	92.4	113.9	178.4	590.2	684.3	664.9	644.6	646.3
80°	40.7	43.6	51.0	55.0	63.4	81.6	265.1	638.3	700.1	741.5	712.6
82.5°	18.7	20.9	31.2	33.4	36.8	43.1	91.2	363.1	486.5	640.7	800.4
85°	9.7	9.7	16.5	20.4	22.0	19.8	33.4	146.7	222.0	338.7	530.1
87.5°	1.7	1.7	2.8	3.4	5.1	4.6	5.7	8.5	14.1	15.3	15.8
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6
2.5°	530.7	531.3	530.7	530.1	529.0	529.0	529.0	528.5	528.5	528.5	527.9
5°	546.0	543.7	544.4	543.2	542.6	542.0	542.6	541.5	540.4	540.9	540.4
7.5°	565.3	564.2	561.9	561.9	561.3	560.2	560.2	558.5	558.0	556.7	556.2
10°	586.8	584.0	585.1	584.0	584.6	582.2	581.1	580.0	578.9	578.9	579.4
12.5°	608.9	608.4	606.6	605.5	605.5	603.8	604.4	603.8	602.1	601.6	599.8
15°	631.5	631.5	629.9	630.4	629.9	628.7	627.6	627.6	626.4	625.3	625.9
17.5°	658.1	658.1	658.1	658.1	658.8	657.0	657.6	656.5	655.4	657.6	657.6
20°	692.7	695.0	695.0	694.4	697.3	695.5	695.0	697.9	695.0	699.0	698.4
22.5°	732.4	734.6	734.6	736.9	737.5	739.2	740.3	739.2	741.5	743.7	743.7
25°	776.6	778.8	780.6	783.9	785.6	784.5	785.0	787.9	789.0	791.3	793.6
27.5°	823.0	823.5	825.9	829.8	832.7	833.8	834.3	838.9	839.4	840.6	842.8
30°	868.3	874.0	872.8	878.0	879.6	881.3	884.7	886.4	890.4	892.7	892.7
32.5°	921.6	920.5	924.9	928.9	931.7	934.6	937.4	939.7	942.0	943.1	948.7
35°	987.8	990.1	990.1	990.7	997.5	998.1	1000.3	1005.4	1007.1	1010.5	1012.8
37.5°	1053.6	1049.6	1049.0	1049.0	1046.7	1048.5	1049.0	1049.6	1051.8	1052.4	1054.7
40°	1127.2	1122.1	1117.6	1114.7	1110.1	1103.9	1102.8	1100.0	1101.7	1101.1	1101.7
42.5°	1228.0	1213.9	1203.1	1195.2	1186.1	1179.3	1174.2	1166.8	1161.8	1155.5	1154.3
45°	1356.6	1330.0	1311.8	1298.8	1285.8	1267.1	1256.3	1245.0	1234.8	1224.6	1216.1
47.5°	1525.4	1497.0	1468.2	1444.4	1424.0	1394.0	1363.4	1346.4	1326.5	1309.0	1296.6
50°	1724.2	1690.2	1676.6	1643.2	1617.7	1572.4	1534.4	1506.7	1467.1	1440.4	1417.2
52.5°	1927.5	1919.1	1911.6	1883.4	1853.3	1827.3	1793.9	1745.1	1704.9	1674.3	1626.8
55°	2204.5	2208.5	2205.7	2190.3	2179.5	2154.7	2141.0	2098.6	2080.5	2036.3	1986.4
57.5°	2670.7	2702.4	2742.6	2758.4	2780.0	2759.6	2783.4	2812.3	2740.4	2765.3	2720.5
60°	3266.0	3411.6	3498.3	3604.7	3674.3	3771.8	3789.3	3814.8	3807.5	3821.6	3850.5
62.5°	3629.6	3802.3	3968.4	4089.0	4218.2	4289.5	4375.7	4435.7	4498.0	4539.8	4527.9
65°	3736.7	3914.5	4065.2	4197.2	4312.8	4399.9	4479.8	4555.2	4612.4	4652.6	4676.4
67.5°	3343.6	3575.8	3734.4	3889.0	4038.0	4129.8	4196.6	4269.7	4353.5	4423.2	4436.8
70°	2516.0	2864.4	3089.2	3274.5	3449.5	3573.0	3666.4	3734.4	3799.6	3849.4	3903.7
72.5°	1573.5	1878.2	2135.5	2375.5	2561.3	2731.3	2810.1	2960.7	2940.9	2978.8	3019.6
75°	943.1	1091.5	1233.1	1402.4	1499.9	1641.5	1667.0	1691.9	1678.9	1636.4	1668.1
77.5°	655.4	679.7	678.6	668.9	658.8	633.9	601.6	584.0	572.1	555.1	561.9
80°	659.4	606.6	526.2	442.4	365.3	314.3	294.0	294.0	314.9	344.9	375.0
82.5°	787.9	731.8	652.6	546.0	432.7	352.3	298.5	277.0	280.9	311.5	350.0
85°	531.3	543.7	476.9	436.2	345.5	269.0	225.4	183.0	162.0	167.1	189.2
87.5°	19.3	23.3	8.5	11.3	7.9	6.8	6.8	7.3	5.1	6.2	5.7
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6
2.5°	527.4	526.8	526.8	525.7	525.7	525.1	525.1	524.5	523.9	523.9	523.4
5°	539.8	539.3	538.1	537.5	536.4	536.4	535.8	534.7	534.7	533.6	533.0
7.5°	557.4	556.2	555.1	554.5	554.0	552.3	552.3	551.2	551.2	550.0	549.4
10°	578.3	577.2	576.1	576.7	574.9	574.3	573.2	573.2	571.5	571.0	571.0
12.5°	600.9	600.4	600.4	598.7	598.1	597.6	595.4	595.4	595.4	594.1	594.7
15°	625.3	625.9	624.2	625.9	625.3	623.6	623.6	623.6	621.4	624.2	622.0
17.5°	658.1	659.9	658.8	659.4	658.1	658.1	658.8	658.1	659.4	659.4	662.7
20°	699.0	699.5	702.3	701.2	701.2	700.7	701.8	702.3	704.7	703.5	705.8
22.5°	743.7	746.5	747.1	749.4	749.4	748.8	750.0	752.2	753.3	755.1	754.5
25°	794.7	796.4	798.6	795.8	800.4	800.4	801.5	804.3	804.8	804.8	808.8
27.5°	842.2	846.8	847.4	850.2	848.5	849.7	853.6	855.3	857.6	857.6	858.7
30°	896.1	897.8	898.9	902.3	901.8	902.3	902.9	905.7	905.7	908.6	911.4
32.5°	951.6	952.8	953.9	957.2	958.4	960.7	959.5	961.8	964.7	965.2	966.9
35°	1017.9	1019.0	1020.1	1025.2	1025.8	1029.8	1030.9	1029.8	1034.3	1031.4	1034.3
37.5°	1056.4	1061.5	1062.6	1066.1	1064.8	1067.7	1069.4	1071.6	1072.8	1075.1	1079.6
40°	1103.4	1105.1	1108.5	1110.1	1112.5	1113.0	1115.3	1117.0	1118.7	1123.8	1128.8
42.5°	1151.5	1153.8	1155.5	1157.8	1160.6	1162.9	1164.6	1169.7	1170.8	1174.2	1183.8
45°	1209.9	1208.8	1209.3	1209.9	1211.0	1213.9	1219.0	1224.0	1227.4	1235.4	1243.3
47.5°	1282.4	1275.0	1272.2	1267.6	1268.8	1275.0	1276.2	1284.7	1291.4	1298.8	1308.5
50°	1392.3	1372.5	1360.6	1348.7	1347.5	1350.9	1355.5	1364.5	1372.5	1382.1	1395.6
52.5°	1576.9	1539.0	1515.2	1482.3	1473.2	1471.5	1468.2	1473.2	1475.5	1488.6	1514.1
55°	1950.8	1880.5	1835.2	1784.2	1736.7	1722.5	1695.3	1700.9	1695.3	1703.3	1741.2
57.5°	2731.3	2675.2	2631.0	2565.9	2484.3	2397.7	2376.1	2287.2	2304.8	2355.7	2322.9
60°	3864.7	3844.3	3812.6	3781.4	3669.9	3607.0	3504.5	3493.1	3421.2	3421.8	3374.7
62.5°	4499.1	4525.1	4505.9	4496.9	4490.6	4470.7	4419.7	4358.6	4266.8	4200.6	4103.2
65°	4680.3	4658.3	4637.3	4634.4	4632.8	4665.1	4672.4	4629.3	4546.1	4443.0	4330.9
67.5°	4469.1	4456.6	4457.7	4434.0	4448.7	4504.8	4543.8	4531.9	4455.5	4330.9	4188.1
70°	3966.1	3941.7	3966.6	3997.8	4019.9	4052.2	4091.3	4100.9	4031.2	3903.2	3757.6
72.5°	2969.8	2973.7	2997.5	3006.0	3094.9	3085.9	3120.9	3006.5	2956.2	2834.3	2759.6
75°	1562.8	1537.3	1603.5	1463.1	1405.3	1445.5	1332.8	1224.6	1247.3	1266.0	1131.2
77.5°	552.3	516.6	456.0	431.6	359.1	304.2	248.7	224.3	211.3	204.5	196.0
80°	396.5	407.8	395.4	365.9	311.0	249.2	196.6	155.2	133.1	121.2	113.3
82.5°	401.0	445.8	465.6	457.1	407.3	308.1	203.4	129.7	96.3	80.5	74.8
85°	215.3	235.6	226.6	190.9	171.6	102.5	70.2	47.0	39.6	36.3	33.4
87.5°	8.5	6.8	5.7	5.7	6.2	6.8	5.7	6.2	5.7	5.7	5.7
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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6	520.6
2.5°	522.2	522.2	522.2	521.7	520.6	517.7	514.9	512.7	510.9	509.2	507.0
5°	532.5	531.3	531.3	531.3	526.8	522.2	518.2	514.3	510.9	508.1	505.8
7.5°	549.4	548.8	546.6	546.0	542.6	535.3	530.7	523.9	520.0	516.0	514.9
10°	569.9	569.2	568.7	568.1	563.6	556.2	550.6	544.4	538.7	533.0	527.4
12.5°	593.6	593.0	592.5	590.8	589.1	585.1	578.9	572.1	565.3	553.4	547.2
15°	623.1	624.2	623.1	622.5	621.4	622.0	618.0	608.4	597.6	582.2	569.2
17.5°	662.1	661.0	660.5	662.7	662.1	664.9	663.8	651.4	635.0	610.6	587.9
20°	705.2	705.2	707.4	709.1	714.2	721.6	718.2	702.9	672.9	638.9	609.5
22.5°	756.7	757.9	760.1	759.0	767.0	778.8	780.0	758.4	719.4	672.4	631.0
25°	810.5	811.7	809.4	812.8	825.9	842.8	846.2	815.6	764.1	702.9	649.1
27.5°	861.5	862.7	862.7	867.2	879.6	908.6	911.9	878.0	809.4	729.6	662.1
30°	911.4	915.9	917.0	918.1	936.8	977.1	984.5	935.2	849.0	749.4	671.2
32.5°	974.2	975.9	978.2	981.0	1002.6	1051.8	1051.8	984.5	874.5	761.9	672.9
35°	1041.7	1042.2	1047.4	1047.9	1078.4	1127.7	1118.1	1025.2	892.7	759.0	660.5
37.5°	1082.4	1084.7	1089.8	1096.6	1128.8	1198.5	1176.5	1060.4	896.1	740.3	632.1
40°	1132.8	1137.4	1142.5	1149.3	1197.4	1270.5	1225.8	1082.4	882.0	703.5	589.7
42.5°	1187.3	1193.5	1201.4	1213.9	1271.1	1334.0	1263.1	1085.9	849.7	662.1	539.3
45°	1248.4	1259.7	1268.8	1283.5	1348.1	1388.8	1285.8	1066.1	808.8	607.7	485.4
47.5°	1319.2	1328.3	1344.1	1360.0	1424.6	1426.2	1288.0	1027.4	753.3	553.4	428.2
50°	1406.4	1412.1	1435.9	1445.5	1506.1	1465.3	1271.6	975.4	695.0	492.2	364.7
52.5°	1522.5	1530.4	1561.0	1575.8	1618.8	1518.6	1248.4	918.7	628.2	423.7	299.6
55°	1751.9	1786.5	1808.0	1833.5	1861.2	1639.3	1238.2	858.1	552.8	344.4	237.3
57.5°	2395.9	2384.7	2432.2	2490.0	2489.4	1915.1	1299.4	806.1	463.9	263.4	182.4
60°	3355.5	3366.3	3341.9	3376.5	3266.5	2257.2	1383.2	751.1	363.6	196.0	139.3
62.5°	4068.6	4006.4	3971.7	3931.0	3689.1	2294.6	1322.1	638.3	264.6	137.7	107.1
65°	4237.4	4164.3	4090.2	4012.5	3647.7	2068.6	1084.7	468.5	171.1	94.6	84.9
67.5°	4070.9	3953.6	3859.0	3779.2	3342.4	1714.5	793.0	287.7	98.0	76.5	72.5
70°	3639.3	3509.5	3356.6	3267.1	2814.5	1263.7	508.1	155.2	75.3	68.0	66.2
72.5°	2663.9	2557.4	2390.3	2287.7	2021.0	768.1	283.8	87.3	70.2	65.1	62.9
75°	1037.7	982.1	912.5	918.1	819.6	339.8	128.6	75.3	68.6	64.0	61.8
77.5°	178.4	173.9	160.8	160.8	183.0	124.0	85.5	75.9	68.0	62.9	58.9
80°	107.1	104.7	99.7	98.5	95.2	87.3	82.1	77.0	66.9	59.4	54.4
82.5°	70.2	67.4	65.7	65.1	70.8	76.5	77.0	76.5	63.4	51.5	44.2
85°	30.0	30.0	30.0	30.6	40.7	61.8	63.4	68.0	52.1	40.2	31.7
87.5°	5.1	6.2	6.2	6.8	7.3	13.6	17.0	22.0	17.6	17.0	15.3
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):**

	165°	175°	180°
0°	520.6	520.6	520.6
2.5°	506.4	505.2	505.2
5°	504.7	503.5	504.1
7.5°	511.4	509.2	509.8
10°	523.9	521.7	520.6
12.5°	539.8	536.9	536.9
15°	556.2	549.4	548.8
17.5°	569.9	561.3	560.2
20°	585.1	573.8	572.1
22.5°	599.3	584.0	581.7
25°	609.5	590.8	587.9
27.5°	614.0	591.9	589.7
30°	617.4	592.5	589.1
32.5°	614.0	587.4	584.6
35°	595.4	566.4	564.7
37.5°	563.0	530.7	528.5
40°	520.6	486.5	480.9
42.5°	466.1	434.4	428.2
45°	413.5	377.2	374.4
47.5°	356.8	322.3	324.0
50°	297.4	266.2	265.7
52.5°	240.7	213.6	211.8
55°	189.8	170.5	168.8
57.5°	150.1	139.9	138.2
60°	122.3	117.2	115.5
62.5°	98.5	96.8	96.3
65°	82.1	82.1	82.1
67.5°	71.3	71.9	71.9
70°	65.7	66.2	65.7
72.5°	63.4	65.1	65.1
75°	61.8	62.9	60.7
77.5°	60.7	61.2	57.2
80°	60.0	59.4	52.1
82.5°	52.1	50.4	44.2
85°	47.5	36.3	30.6
87.5°	24.4	17.0	13.0
90°	0.0	0.0	0.0

(END OF REPORT)