

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: McGRAW-EDISON

Report Number: P228720

Luminaire Tested: **ISS-AF-1200-LED-E1-RW-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29765)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISS-AF-1200-LED-E1-RW-ULG  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, WITH UPLIGHT  
GLOW  
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

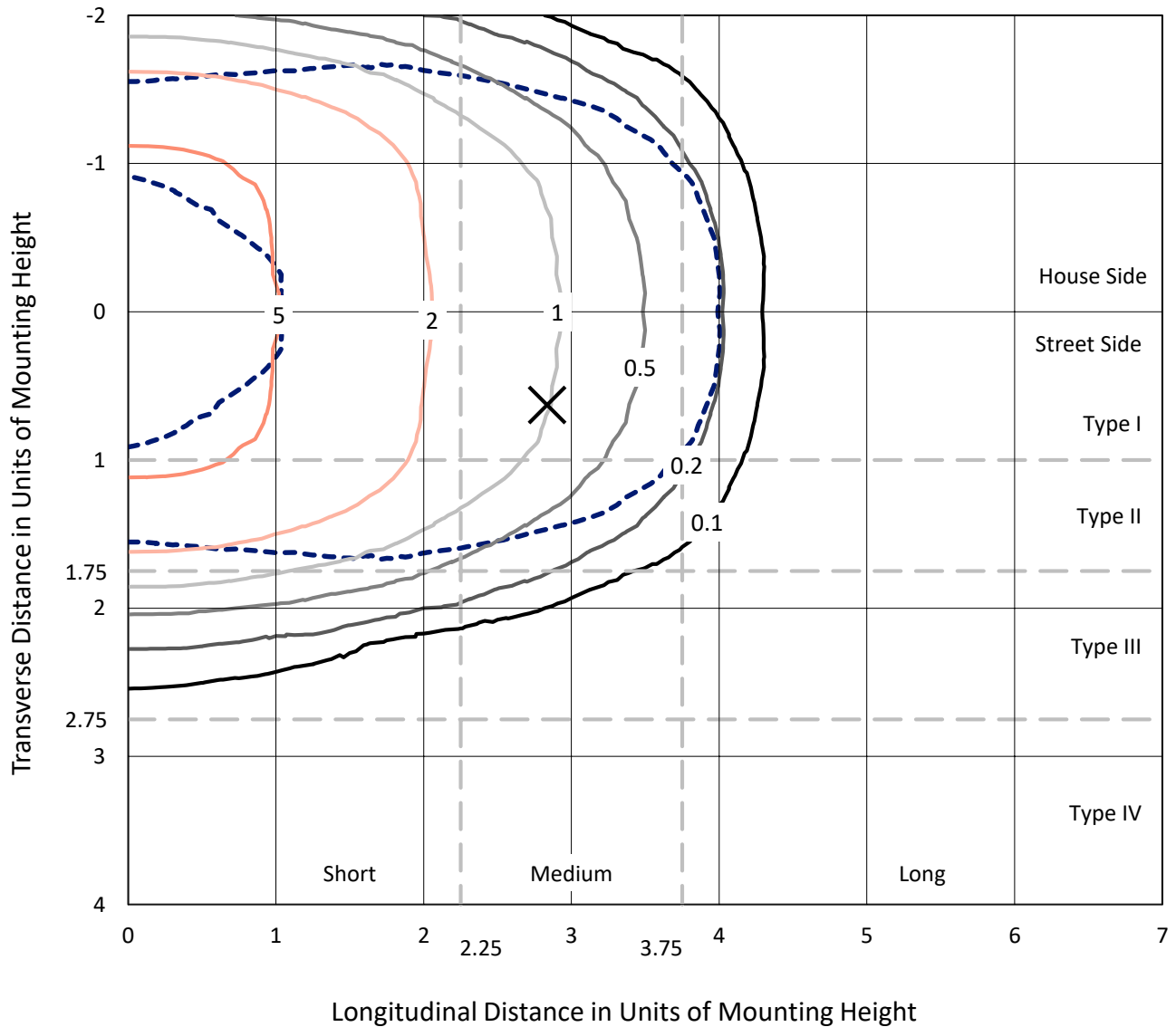
Lumens per Lamp: N/A  
Luminaire Lumens: 8173.5 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B3 - U5 - G3  
  
Input Watts (W): 82.7  
Input Voltage (V): 120  
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

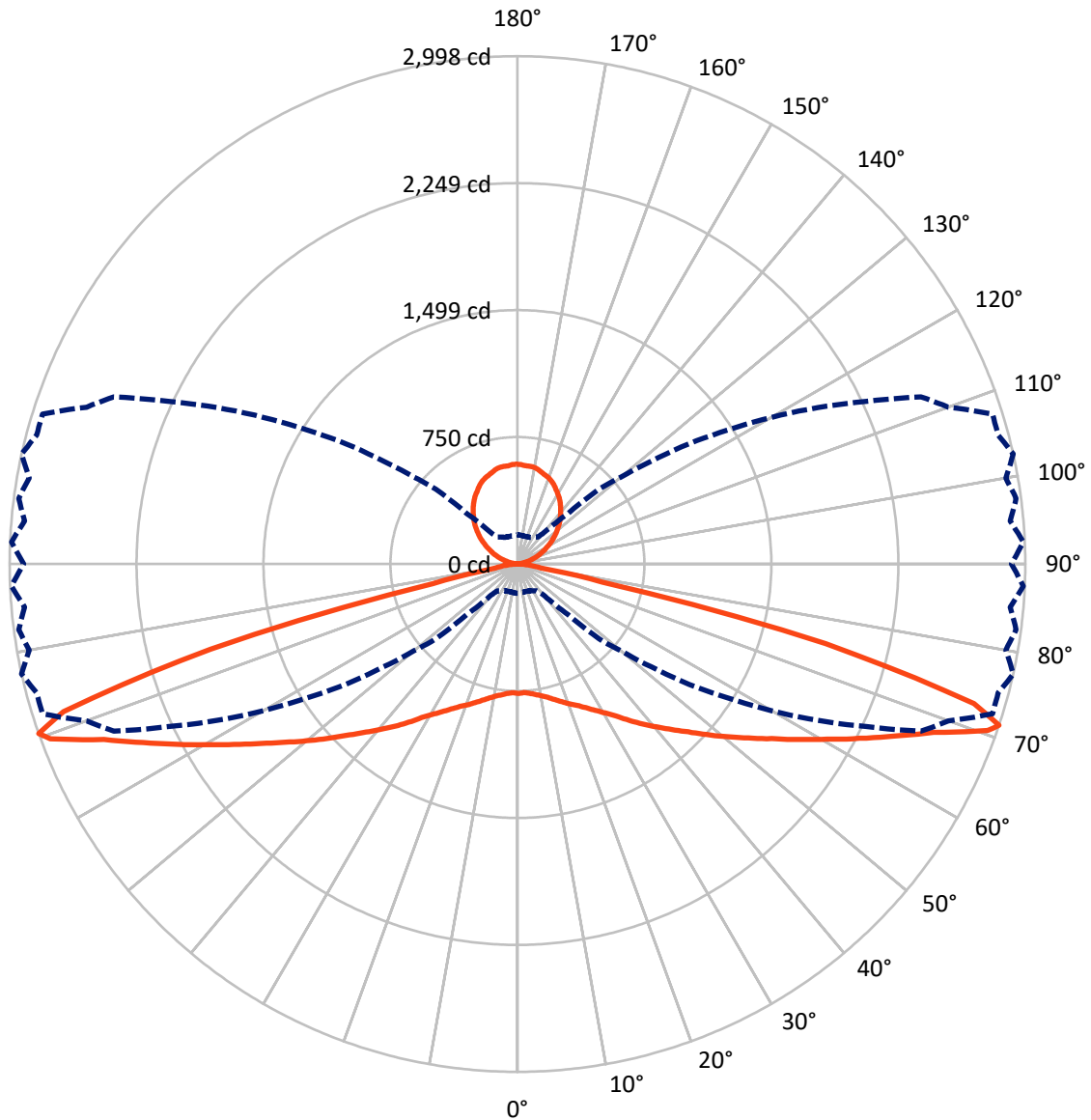
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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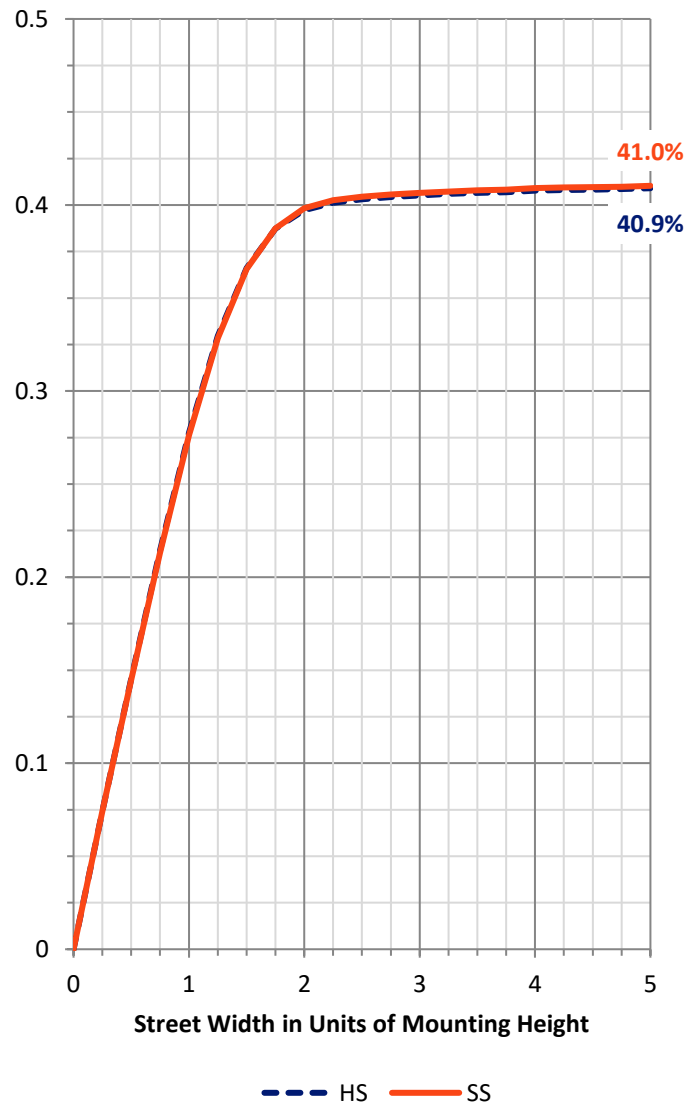
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3357.3	729.4	4086.8
	% Fixture	41.1	8.9	50.0
<b>Street Side</b>	Lumens	3357.3	729.4	4086.8
	% Fixture	41.1	8.9	50.0
<b>Total</b>	Lumens	6714.6	1458.9	8173.5
	% Fixture	82.2	17.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.9	0.9
10°-20°	230.8	2.8
20°-30°	431.9	5.3
30°-40°	751.8	9.2
40°-50°	1226.7	15.0
50°-60°	1692.8	20.7
60°-70°	1605.8	19.6
70°-80°	661.0	8.1
80°-90°	39.9	0.5
90°-100°	4.8	0.1
100°-110°	70.6	0.9
110°-120°	156.6	1.9
120°-130°	229.0	2.8
130°-140°	271.7	3.3
140°-150°	275.5	3.4
150°-160°	236.4	2.9
160°-170°	158.7	1.9
170°-180°	55.6	0.7
0°-90°	6714.6	82.2
0°-180°	8173.5	100.0



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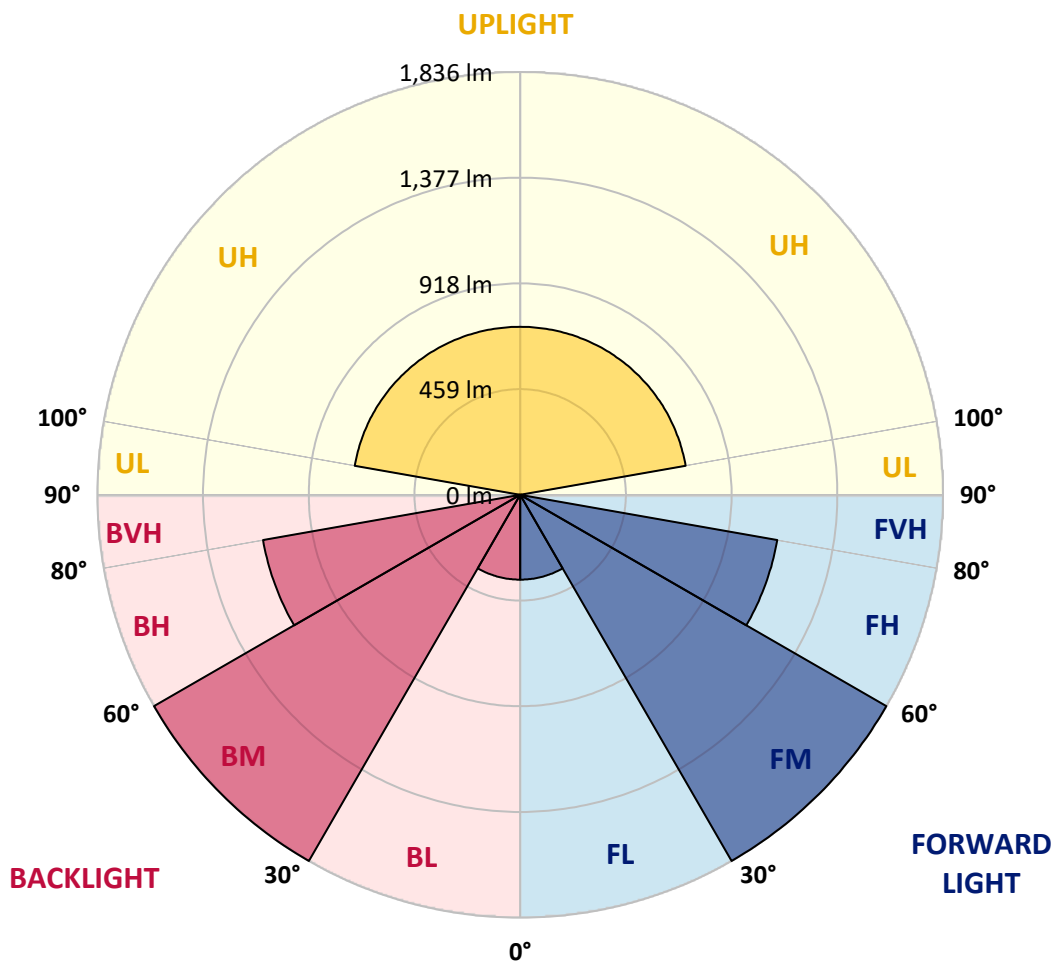
CATALOG NUMBER: ISS-AF-1200-LED-E1-RW-ULG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.3	4.5			
FM	(30°-60°)	1835.7	22.5			
FH	(60°-80°)	1133.4	13.9			G1/1800
FVH	(80°-90°)	20.0	0.2			G1/100
BL	(0°-30°)	368.3	4.5	B1/500		
BM	(30°-60°)	1835.7	22.5	B2/2500		
BH	(60°-80°)	1133.4	13.9	B3/2500		G3/2500
BVH	(80°-90°)	20.0	0.2			G1/100
UL	(90°-100°)	4.8	0.1		U1/10	
UH	(100°-180°)	729.4	8.9		U4/1000	

**BUG Rating: B3-U5-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6
2.5°	762.4	760.2	762.4	762.4	764.6	764.6	764.6	764.6	762.4	766.8	766.8
5°	762.4	762.4	764.6	764.6	769.1	773.5	766.8	769.1	771.2	769.1	773.5
7.5°	762.4	762.4	762.4	766.8	773.5	778.0	773.5	775.7	780.1	780.1	784.6
10°	755.7	753.5	757.9	766.8	778.0	784.6	782.4	791.3	789.0	791.3	795.7
12.5°	744.6	744.6	753.5	766.8	786.9	791.3	793.5	797.9	804.6	802.4	809.1
15°	746.8	749.0	757.9	775.7	800.2	804.6	806.8	806.8	818.0	813.5	826.9
17.5°	762.4	764.6	773.5	791.3	820.1	820.1	822.4	826.9	842.4	833.5	851.3
20°	786.9	789.0	797.9	818.0	844.5	842.4	846.8	851.3	871.2	862.3	880.1
22.5°	815.7	820.1	831.2	853.4	882.4	869.0	877.9	886.8	906.8	891.3	915.7
25°	855.7	862.3	873.5	897.9	929.0	913.5	922.4	929.0	951.2	929.0	953.5
27.5°	913.5	917.9	926.8	953.5	980.2	969.0	973.5	977.9	1004.6	980.2	1006.9
30°	982.4	989.1	998.0	1022.4	1049.0	1031.3	1040.1	1044.6	1066.8	1042.4	1064.6
32.5°	1069.1	1075.7	1086.9	1109.1	1131.3	1104.7	1106.8	1113.6	1135.8	1111.3	1135.8
35°	1171.3	1175.8	1191.3	1218.0	1233.6	1191.3	1193.6	1193.6	1222.4	1189.1	1215.8
37.5°	1278.0	1282.5	1300.3	1326.9	1344.7	1298.0	1298.0	1300.3	1326.9	1289.1	1313.6
40°	1389.2	1402.5	1422.5	1449.1	1462.5	1409.1	1413.6	1411.4	1442.5	1398.1	1422.5
42.5°	1500.3	1511.4	1540.3	1571.4	1586.9	1533.6	1535.9	1529.2	1560.3	1513.6	1533.6
45°	1595.8	1604.7	1640.3	1684.7	1709.1	1653.6	1653.6	1653.6	1684.7	1627.0	1651.5
47.5°	1673.6	1680.3	1718.0	1782.5	1822.6	1766.9	1771.4	1762.5	1809.2	1738.1	1771.4
50°	1729.2	1731.4	1780.3	1853.7	1922.5	1871.5	1878.1	1882.5	1927.0	1864.7	1893.7
52.5°	1747.0	1751.4	1806.9	1895.9	1995.9	1962.5	1987.0	1995.9	2035.9	1969.3	2009.3
55°	1684.7	1695.8	1780.3	1911.5	2047.0	2035.9	2064.8	2082.6	2133.7	2078.1	2120.4
57.5°	1475.8	1489.1	1607.0	1822.6	2058.2	2076.0	2116.0	2144.8	2218.2	2184.8	2231.5
60°	1178.0	1189.1	1309.2	1569.2	1918.1	2027.1	2118.1	2200.4	2276.0	2282.6	2342.7
62.5°	809.1	824.6	940.2	1189.1	1613.6	1758.0	1889.2	2024.8	2151.5	2304.8	2382.7
65°	395.7	404.5	502.3	742.4	1184.7	1369.1	1522.5	1713.6	1831.4	2051.5	2178.2
67.5°	217.8	217.8	233.3	308.9	633.4	815.7	980.2	1220.2	1340.3	1611.4	1773.7
70°	182.3	182.3	177.8	188.9	240.1	284.5	369.0	506.8	673.4	946.8	1093.5
71°	173.4	171.1	168.9	173.4	193.3	202.2	237.8	311.2	422.3	653.5	797.9
72.5°	162.2	157.8	151.1	153.3	164.5	164.5	171.1	182.3	224.4	306.7	411.2
75°	140.0	135.5	128.9	128.9	131.1	133.4	135.5	140.0	142.3	146.7	164.5
77.5°	115.6	111.1	104.4	104.4	102.2	104.4	108.9	111.1	106.7	115.6	117.8
80°	88.9	82.2	80.0	80.0	77.7	75.6	75.6	75.6	77.7	82.2	84.5
82.5°	55.5	51.1	53.3	51.1	48.9	48.9	48.9	48.9	51.1	51.1	55.5
85°	26.7	26.7	28.8	26.7	22.2	22.2	20.0	17.8	20.0	17.8	22.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	3.1	4.1	5.3	6.6	8.0	9.2	10.2	11.3
100°	8.2	8.2	10.2	14.3	22.5	24.6	26.6	28.6	30.7	31.2	31.7
102.5°	28.6	28.6	32.7	38.9	46.0	47.3	48.6	49.9	51.1	51.4	51.7
105°	55.2	55.2	57.3	62.4	67.5	68.5	69.6	70.6	71.6	71.8	72.1
107.5°	79.8	78.8	81.8	85.9	90.0	90.8	91.6	92.3	93.1	93.6	94.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
110°	103.3	104.3	105.4	108.4	112.5	113.0	113.5	114.1	114.6	115.1	115.6
112.5°	126.8	126.8	128.9	132.0	135.0	135.5	136.1	136.6	137.1	137.6	138.1
115°	149.4	150.4	152.4	154.5	157.5	158.0	158.6	159.1	159.6	160.1	160.6
117.5°	172.9	173.9	175.9	178.0	181.1	181.6	182.1	182.6	183.1	183.3	183.6
120°	197.4	199.5	200.5	202.5	205.6	205.8	206.1	206.4	206.6	207.1	207.7
122.5°	224.0	225.0	226.1	228.1	231.2	231.4	231.7	232.0	232.2	232.4	232.7
125°	249.6	251.6	252.7	253.7	256.8	257.0	257.3	257.6	257.8	258.0	258.3
127.5°	273.1	275.2	276.2	278.2	280.3	280.8	281.3	281.8	282.3	282.8	283.4
130°	296.7	298.7	299.7	300.7	304.8	305.0	305.4	305.7	305.9	306.4	306.9
132.5°	320.2	321.2	324.3	325.3	328.4	328.6	328.9	329.2	329.4	330.2	330.9
135°	343.7	344.7	346.8	348.8	352.9	352.9	352.9	352.9	352.9	353.7	354.5
137.5°	367.2	368.3	371.3	372.4	375.4	375.4	375.4	375.4	375.4	375.9	376.4
140°	390.8	391.8	393.8	394.9	396.9	397.1	397.4	397.7	397.9	398.1	398.4
142.5°	413.3	415.3	417.4	416.3	419.4	419.4	419.4	419.4	419.4	419.9	420.4
145°	434.8	435.8	437.8	437.8	440.9	441.1	441.4	441.7	441.9	442.4	442.9
147.5°	454.2	454.2	457.3	458.3	462.4	462.6	462.9	463.2	463.4	463.6	463.9
150°	471.6	472.6	474.6	475.7	479.8	480.0	480.3	480.6	480.8	481.0	481.3
152.5°	490.0	491.0	494.1	493.1	496.1	496.3	496.6	496.9	497.2	497.4	497.7
155°	510.5	511.5	513.5	512.5	514.5	514.5	514.5	514.5	514.5	514.7	515.1
157.5°	524.8	526.8	528.9	527.8	530.9	530.9	530.9	530.9	530.9	530.9	530.9
160°	537.0	539.1	541.1	541.1	544.2	544.2	544.2	544.2	544.2	544.2	544.2
162.5°	547.3	548.3	551.4	550.3	553.4	553.4	553.4	553.4	553.4	553.6	553.9
165°	558.5	559.6	561.6	560.6	564.7	564.7	564.7	564.7	564.7	564.9	565.2
167.5°	567.7	568.8	571.8	570.8	573.9	573.7	573.4	573.1	572.9	572.9	572.9
170°	574.9	575.9	579.0	578.0	580.0	579.8	579.5	579.2	579.0	578.8	578.5
172.5°	578.0	579.0	582.1	580.0	582.1	581.9	581.5	581.2	581.0	581.2	581.5
175°	580.0	582.1	583.1	582.1	585.1	585.1	585.1	585.1	585.1	585.3	585.6
177.5°	585.1	586.2	588.2	587.2	591.3	591.1	590.8	590.4	590.2	590.2	590.2
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2





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**CANDELA DISTRIBUTION (continued):**

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6
2.5°	760.2	764.6	762.4	764.6	760.2	764.6	757.9	764.6	762.4	764.6	760.2
5°	766.8	773.5	766.8	775.7	766.8	775.7	766.8	775.7	769.1	775.7	766.8
7.5°	773.5	786.9	778.0	789.0	778.0	791.3	778.0	791.3	782.4	793.5	778.0
10°	786.9	802.4	789.0	802.4	789.0	804.6	789.0	806.8	793.5	811.3	791.3
12.5°	797.9	815.7	802.4	820.1	800.2	824.6	804.6	831.2	809.1	835.8	809.1
15°	813.5	835.8	822.4	842.4	822.4	849.0	824.6	855.7	831.2	860.2	831.2
17.5°	835.8	860.2	842.4	866.8	844.5	873.5	846.8	880.1	855.7	884.6	855.7
20°	866.8	886.8	869.0	895.7	871.2	897.9	875.7	902.3	882.4	909.1	882.4
22.5°	902.3	920.1	906.8	922.4	900.2	922.4	900.2	922.4	906.8	929.0	906.8
25°	942.3	955.7	940.2	955.7	935.7	953.5	933.5	951.2	935.7	955.7	940.2
27.5°	995.7	1002.4	984.6	998.0	973.5	991.2	969.0	986.8	971.3	989.1	977.9
30°	1053.5	1060.2	1042.4	1051.3	1024.6	1035.7	1011.3	1026.8	1013.5	1026.8	1020.2
32.5°	1118.0	1126.9	1106.8	1111.3	1089.0	1091.3	1071.3	1078.0	1066.8	1071.3	1069.1
35°	1191.3	1202.5	1180.2	1186.9	1162.5	1162.5	1144.7	1142.4	1138.0	1133.5	1133.5
37.5°	1284.7	1289.1	1271.3	1271.3	1242.5	1242.5	1220.2	1220.2	1211.4	1202.5	1198.0
40°	1386.9	1389.2	1360.2	1358.1	1329.1	1329.1	1304.7	1298.0	1282.5	1271.3	1264.7
42.5°	1495.9	1493.6	1451.4	1455.9	1413.6	1415.8	1384.7	1378.0	1362.5	1349.2	1335.8
45°	1607.0	1598.1	1555.8	1553.7	1504.8	1506.9	1469.2	1464.7	1442.5	1429.2	1413.6
47.5°	1720.3	1715.9	1669.1	1658.1	1607.0	1604.7	1555.8	1555.8	1533.6	1520.3	1504.8
50°	1838.1	1835.9	1782.5	1775.8	1722.5	1713.6	1655.9	1655.9	1629.2	1624.8	1602.6
52.5°	1967.0	1958.1	1900.3	1898.1	1847.0	1840.3	1778.1	1773.7	1733.6	1731.4	1707.0
55°	2093.7	2078.1	2040.4	2022.6	1971.4	1969.3	1913.6	1902.6	1851.4	1851.4	1820.3
57.5°	2209.3	2196.0	2164.9	2149.3	2100.4	2093.7	2033.7	2033.7	1989.2	1987.0	1953.7
60°	2329.3	2333.8	2300.4	2293.8	2247.1	2244.9	2184.8	2184.8	2140.4	2138.2	2100.4
62.5°	2431.6	2476.0	2462.7	2467.2	2427.1	2420.4	2360.5	2356.0	2304.8	2298.2	2267.1
65°	2331.5	2487.1	2587.1	2653.8	2649.3	2647.2	2589.4	2580.5	2516.0	2498.3	2447.1
67.5°	1958.1	2160.4	2342.7	2542.6	2689.3	2800.5	2833.9	2820.5	2764.9	2713.8	2651.6
70°	1311.3	1544.8	1775.8	2024.8	2276.0	2520.4	2771.6	2880.5	2996.1	2956.1	2945.0
71°	998.0	1238.0	1469.2	1731.4	1998.1	2269.3	2578.2	2707.1	2940.6	2938.3	2998.3
72.5°	562.3	775.7	1022.4	1251.4	1502.5	1782.5	2100.4	2242.6	2578.2	2644.9	2818.3
75°	180.0	246.7	326.7	515.7	671.3	926.8	1162.5	1304.7	1527.0	1638.1	1880.4
77.5°	120.0	133.4	137.8	160.0	180.0	255.6	346.7	424.5	466.8	489.0	513.4
80°	86.6	93.4	97.8	108.9	111.1	124.5	124.5	137.8	135.5	144.4	137.8
82.5°	55.5	62.2	64.4	68.9	71.1	80.0	84.5	93.4	93.4	97.8	95.5
85°	26.7	31.1	31.1	35.6	35.6	42.2	42.2	48.9	48.9	55.5	53.3
87.5°	2.3	2.3	2.3	4.4	4.4	4.4	6.6	8.9	8.9	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	12.3	13.3	11.8	10.2	8.7	7.2	6.6	6.1	5.6	5.1	4.9
100°	32.2	32.7	32.2	31.7	31.2	30.7	29.9	29.2	28.4	27.6	27.4
102.5°	52.0	52.2	52.0	51.7	51.4	51.1	50.6	50.1	49.6	49.1	49.3
105°	72.4	72.6	72.6	72.6	72.6	72.6	72.1	71.6	71.1	70.6	71.1
107.5°	94.6	95.1	94.9	94.6	94.3	94.1	93.9	93.6	93.3	93.1	93.3



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**CANDELA DISTRIBUTION (continued):**

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
110°	116.1	116.6	116.6	116.6	116.6	116.6	116.4	116.1	115.8	115.6	115.8
112.5°	138.6	139.1	139.1	139.1	139.1	139.1	138.9	138.6	138.3	138.1	138.6
115°	161.1	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	162.1
117.5°	183.9	184.1	184.3	184.6	184.9	185.2	184.9	184.6	184.3	184.1	184.6
120°	208.2	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	209.2
122.5°	233.0	233.2	233.2	233.2	233.2	233.2	233.4	233.7	234.1	234.3	235.3
125°	258.6	258.8	259.0	259.3	259.6	259.8	259.8	259.8	259.8	259.8	260.6
127.5°	283.9	284.4	284.2	283.9	283.6	283.4	283.6	283.9	284.2	284.4	285.2
130°	307.4	307.9	307.9	307.9	307.9	307.9	308.1	308.4	308.7	308.9	309.7
132.5°	331.6	332.5	332.5	332.5	332.5	332.5	332.7	333.0	333.3	333.5	334.3
135°	355.2	356.0	356.0	356.0	356.0	356.0	356.2	356.5	356.8	357.0	357.5
137.5°	377.0	377.5	377.5	377.5	377.5	377.5	377.7	378.0	378.3	378.5	379.5
140°	398.7	399.0	399.0	399.0	399.0	399.0	399.5	400.0	400.5	401.0	402.0
142.5°	420.9	421.5	421.5	421.5	421.5	421.5	421.7	422.0	422.3	422.5	423.3
145°	443.4	444.0	443.8	443.4	443.1	442.9	443.1	443.4	443.8	444.0	444.8
147.5°	464.2	464.4	463.9	463.4	462.9	462.4	462.6	462.9	463.2	463.4	464.2
150°	481.6	481.8	481.3	480.8	480.3	479.8	479.8	479.8	479.8	479.8	480.8
152.5°	498.0	498.2	498.0	497.7	497.4	497.2	497.2	497.2	497.2	497.2	498.0
155°	515.4	515.6	515.4	515.1	514.7	514.5	514.7	515.1	515.4	515.6	516.4
157.5°	530.9	530.9	530.4	529.9	529.4	528.9	529.1	529.4	529.7	529.9	531.1
160°	544.2	544.2	543.7	543.2	542.7	542.2	542.2	542.2	542.2	542.2	543.0
162.5°	554.2	554.4	553.9	553.4	552.9	552.4	551.9	551.4	550.9	550.3	550.9
165°	565.5	565.7	564.9	564.2	563.4	562.6	562.1	561.6	561.1	560.6	561.1
167.5°	572.9	572.9	572.3	571.8	571.3	570.8	571.0	571.3	571.6	571.8	572.9
170°	578.2	578.0	577.8	577.5	577.1	576.9	577.5	578.0	578.5	579.0	580.2
172.5°	581.9	582.1	581.5	581.0	580.5	580.0	580.2	580.5	580.8	581.0	581.9
175°	585.9	586.2	585.3	584.6	583.9	583.1	582.6	582.1	581.5	581.0	581.9
177.5°	590.2	590.2	589.4	588.7	588.0	587.2	587.2	587.2	587.2	587.2	588.0
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2



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**CANDELA DISTRIBUTION (continued):**

	80°	82.5°	85°	87.5°	90°
0°	764.6	764.6	764.6	764.6	764.6
2.5°	766.8	764.6	766.8	762.4	766.8
5°	778.0	769.1	780.1	769.1	780.1
7.5°	795.7	784.6	797.9	780.1	795.7
10°	811.3	795.7	813.5	795.7	811.3
12.5°	837.9	813.5	842.4	813.5	842.4
15°	864.6	835.8	871.2	840.1	869.0
17.5°	889.0	862.3	895.7	864.6	893.4
20°	911.2	886.8	915.7	884.6	915.7
22.5°	933.5	917.9	940.2	917.9	940.2
25°	962.4	951.2	966.8	951.2	966.8
27.5°	995.7	991.2	1000.1	989.1	1002.4
30°	1033.5	1035.7	1038.0	1035.7	1040.1
32.5°	1080.2	1091.3	1086.9	1086.9	1086.9
35°	1144.7	1164.6	1151.3	1155.7	1153.6
37.5°	1204.6	1233.6	1215.8	1222.4	1218.0
40°	1271.3	1291.4	1286.9	1286.9	1282.5
42.5°	1344.7	1369.1	1362.5	1364.7	1360.2
45°	1424.7	1447.0	1438.1	1435.8	1438.1
47.5°	1515.8	1540.3	1529.2	1527.0	1529.2
50°	1611.4	1640.3	1631.4	1627.0	1631.4
52.5°	1715.9	1751.4	1747.0	1742.5	1749.2
55°	1838.1	1871.5	1867.0	1871.5	1873.6
57.5°	1960.4	1998.1	1989.2	2000.4	2004.8
60°	2113.7	2135.9	2138.2	2140.4	2142.6
62.5°	2269.3	2278.2	2284.9	2291.5	2293.8
65°	2449.4	2451.5	2456.0	2449.4	2456.0
67.5°	2622.7	2607.1	2604.9	2611.6	2616.0
70°	2891.7	2891.7	2869.4	2900.5	2873.9
71°	2927.2	2969.4	2920.5	2989.5	2916.1
72.5°	2753.8	2831.6	2776.1	2838.3	2764.9
75°	1915.9	2095.9	2093.7	2182.6	2111.5
77.5°	531.2	497.9	531.2	457.9	437.8
80°	144.4	131.1	142.3	120.0	135.5
82.5°	95.5	82.2	80.0	64.4	68.9
85°	55.5	42.2	42.2	33.3	35.6
87.5°	8.9	2.3	8.9	4.4	6.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0
97.5°	4.6	4.3	4.1	4.1	4.1
100°	27.1	26.8	26.6	26.1	25.6
102.5°	49.6	49.9	50.1	49.6	49.1
105°	71.6	72.1	72.6	71.6	70.6
107.5°	93.6	93.9	94.1	93.6	93.1



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**CANDELA DISTRIBUTION (continued):**

	80°	82.5°	85°	87.5°	90°
110°	116.1	116.4	116.6	116.1	115.6
112.5°	139.1	139.6	140.1	139.1	138.1
115°	162.6	163.2	163.7	163.2	162.6
117.5°	185.2	185.7	186.2	185.2	184.1
120°	209.7	210.2	210.7	209.7	208.7
122.5°	236.3	237.3	238.3	237.8	237.3
125°	261.4	262.1	262.9	262.4	261.9
127.5°	285.9	286.6	287.4	285.9	284.4
130°	310.5	311.2	312.0	311.0	310.0
132.5°	335.0	335.7	336.6	335.5	334.5
135°	358.0	358.5	359.1	358.5	358.0
137.5°	380.5	381.6	382.6	381.6	380.5
140°	403.0	404.1	405.1	404.1	403.0
142.5°	424.0	424.7	425.5	425.0	424.5
145°	445.5	446.2	447.0	446.0	445.0
147.5°	464.9	465.6	466.5	464.9	463.4
150°	481.8	482.8	483.9	482.3	480.8
152.5°	498.7	499.4	500.2	498.7	497.2
155°	517.1	517.8	518.6	517.6	516.6
157.5°	532.4	533.8	535.0	533.5	531.9
160°	543.7	544.4	545.2	544.2	543.2
162.5°	551.4	551.9	552.4	550.9	549.3
165°	561.6	562.1	562.6	561.6	560.6
167.5°	573.9	574.9	575.9	574.9	573.9
170°	581.5	582.9	584.1	583.1	582.1
172.5°	582.6	583.3	584.1	582.6	581.0
175°	582.6	583.3	584.1	582.6	581.0
177.5°	588.7	589.4	590.2	588.7	587.2
180°	589.2	589.2	589.2	589.2	589.2

(END OF REPORT)