

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: P226494

Luminaire Tested: **ISW-AF-800-LED-E1-T4FT-7030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226494  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-800-LED-E1-T4FT-7030-ULG  
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW  
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6330.4 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 60.2  
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

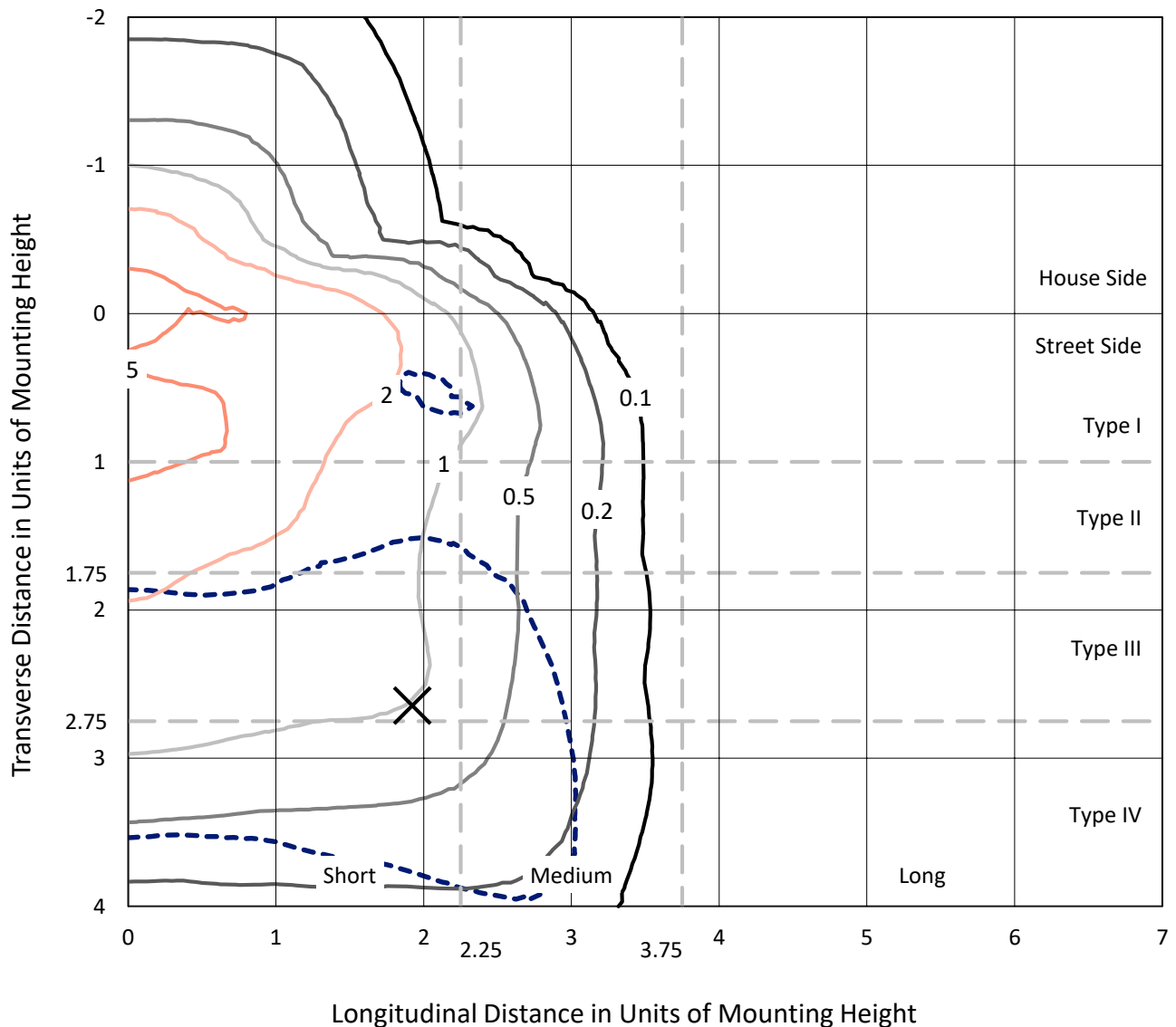


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### Iso-Footcandle Lines of Horizontal Illumination

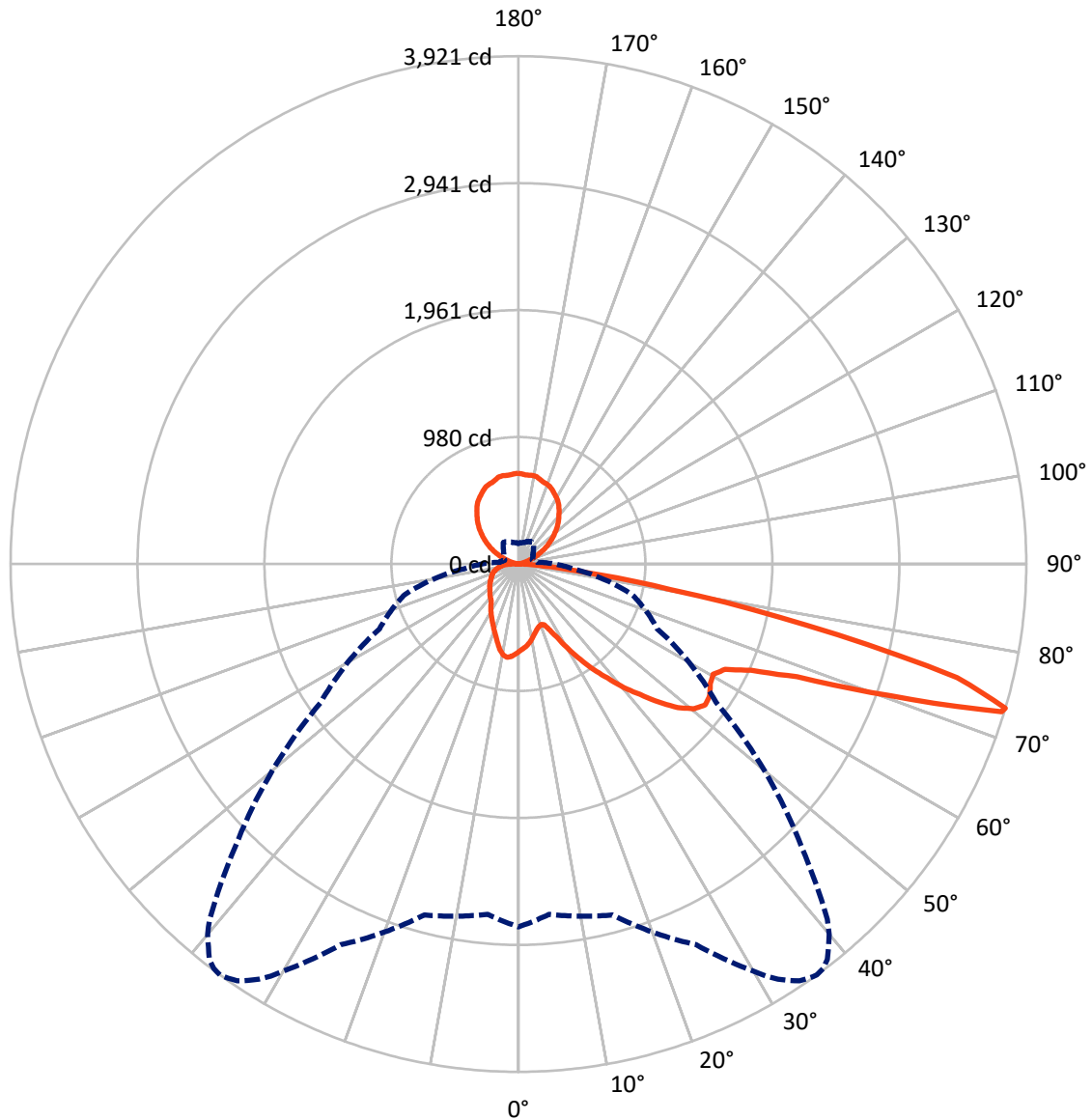
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 73-Deg Vertical

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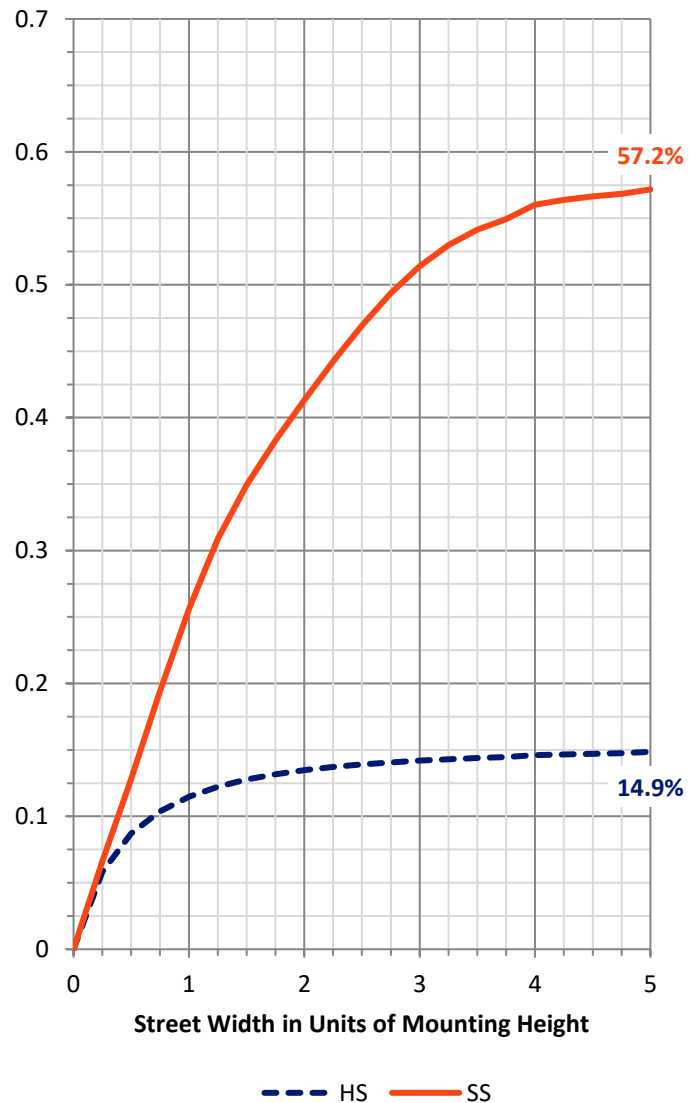
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	969.2	868.6	1837.9
	% Fixture	15.3	13.7	29.0
<b>Street Side</b>	Lumens	3624.6	867.9	4492.5
	% Fixture	57.3	13.7	71.0
<b>Total</b>	Lumens	4593.8	1736.6	6330.4
	% Fixture	72.6	27.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	1.0
10°-20°	168.3	2.7
20°-30°	275.8	4.4
30°-40°	457.0	7.2
40°-50°	671.6	10.6
50°-60°	846.8	13.4
60°-70°	1108.9	17.5
70°-80°	897.6	14.2
80°-90°	104.3	1.6
90°-100°	10.7	0.2
100°-110°	57.4	0.9
110°-120°	166.1	2.6
120°-130°	273.2	4.3
130°-140°	336.8	5.3
140°-150°	344.6	5.4
150°-160°	290.3	4.6
160°-170°	191.2	3.0
170°-180°	66.3	1.0
0°-90°	4593.8	72.6
0°-180°	6330.4	100.0



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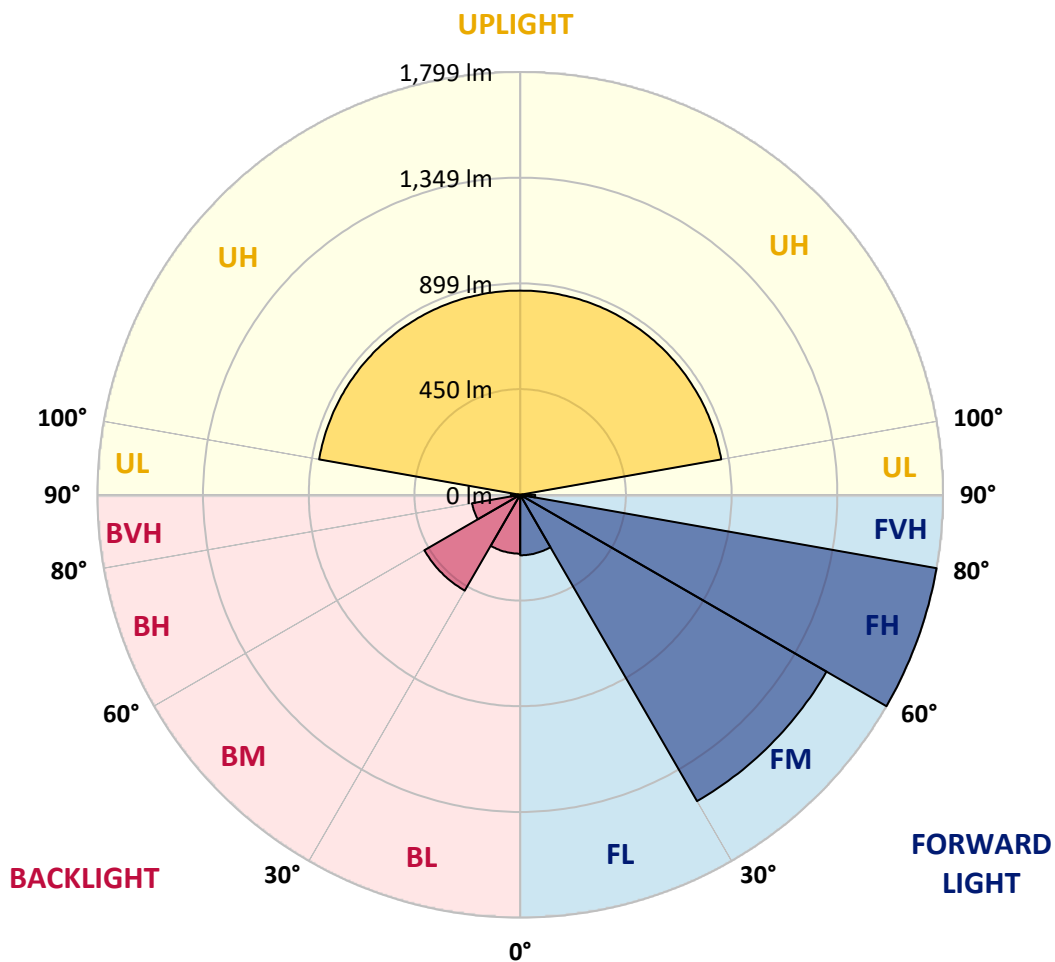
CATALOG NUMBER: ISW-AF-800-LED-E1-T4FT-7030-ULG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.2	4.1			
FM	(30°-60°)	1504.5	23.8			
FH	(60°-80°)	1798.7	28.4			G1/1800
FVH	(80°-90°)	64.2	1.0			G1/100
BL	(0°-30°)	250.4	4.0	B1/500		
BM	(30°-60°)	470.8	7.4	B1/1000		
BH	(60°-80°)	207.9	3.3	B1/500		G1/500
BVH	(80°-90°)	40.1	0.6			G1/100
UL	(90°-100°)	10.7	0.2		U2/50	
UH	(100°-180°)	868.6	13.7		U4/1000	

**BUG Rating: B1-U5-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7
2.5°	650.4	651.7	653.0	653.0	653.0	655.0	654.3	654.3	655.0	655.6	655.6
5°	626.0	626.7	630.6	631.9	635.9	635.2	635.2	635.2	637.9	635.9	637.2
7.5°	598.4	599.7	603.6	608.2	611.5	612.2	611.5	610.2	613.5	614.8	613.5
10°	565.4	566.1	571.4	575.3	580.6	579.9	581.9	581.9	583.2	582.6	585.2
12.5°	549.0	547.7	545.0	547.0	548.3	548.3	548.3	550.3	549.7	551.0	552.9
15°	547.0	543.7	530.6	526.0	524.6	524.6	524.0	523.3	525.3	527.3	527.3
17.5°	556.2	549.7	524.0	510.8	508.2	506.9	507.5	506.2	506.2	508.8	508.2
20°	601.0	589.1	537.8	508.8	500.9	500.9	500.3	498.3	498.3	499.0	499.0
22.5°	714.9	699.7	610.2	550.3	522.7	522.0	520.0	518.1	512.8	511.5	508.8
25°	873.5	855.7	702.4	637.9	599.0	597.7	587.8	586.5	574.0	574.7	566.1
27.5°	996.6	984.8	825.5	739.9	703.0	695.1	690.5	678.7	668.1	659.6	649.0
30°	1038.7	1036.8	949.9	880.8	825.5	816.2	803.7	798.5	783.3	771.5	764.2
32.5°	1105.2	1107.2	1071.0	994.6	946.6	937.4	926.8	914.3	903.8	895.9	878.8
35°	1200.0	1200.7	1175.7	1118.4	1063.1	1050.6	1044.7	1030.2	1020.3	1010.4	1001.9
37.5°	1265.8	1269.1	1251.4	1207.3	1174.3	1156.6	1155.9	1145.4	1134.2	1125.6	1117.7
40°	1392.2	1374.5	1315.9	1287.6	1260.6	1258.6	1252.7	1246.8	1249.4	1244.8	1253.3
42.5°	1519.9	1497.6	1415.9	1375.8	1359.3	1362.6	1360.6	1361.3	1369.2	1367.2	1376.4
45°	1629.2	1603.5	1525.9	1478.5	1491.6	1495.6	1506.8	1513.4	1510.1	1521.9	1521.9
47.5°	1738.5	1678.6	1586.4	1608.1	1617.4	1647.6	1655.5	1653.6	1664.8	1670.0	1655.5
50°	1661.5	1645.7	1638.4	1704.9	1746.4	1756.3	1767.4	1773.4	1778.6	1771.4	1756.9
52.5°	1498.9	1497.6	1599.6	1762.2	1797.1	1810.2	1820.8	1825.4	1823.4	1819.4	1807.6
55°	1444.2	1433.7	1521.9	1702.9	1756.3	1768.8	1783.9	1793.1	1802.3	1801.0	1791.8
57.5°	1518.6	1510.1	1510.7	1650.9	1702.9	1714.1	1724.0	1734.5	1737.2	1745.7	1746.4
60°	1734.5	1723.3	1633.2	1649.0	1701.6	1714.1	1715.4	1721.4	1722.0	1726.6	1727.3
62.5°	2045.9	2025.5	1887.9	1769.4	1787.8	1793.8	1798.4	1797.1	1794.4	1791.1	1791.1
65°	2386.9	2367.8	2190.7	2052.5	1999.2	2013.6	1990.6	1986.0	1980.7	1980.7	1974.8
67.5°	2792.4	2756.2	2619.2	2463.9	2386.9	2394.1	2404.6	2364.5	2350.0	2351.3	2320.4
70°	3205.8	3167.6	3107.7	3105.7	3144.5	3127.4	3078.7	3143.2	3066.9	3048.4	3041.8
72.5°	2977.3	2931.9	2944.4	3316.3	3665.2	3721.8	3775.8	3825.8	3870.6	3897.6	3901.5
73°	2802.2	2716.0	2805.5	3242.6	3629.7	3713.3	3780.4	3833.7	3881.8	3906.1	3921.3
75°	1399.5	1404.1	1845.1	2675.2	3172.2	3243.9	3348.6	3407.2	3494.1	3538.8	3499.3
77.5°	324.5	336.4	558.9	1269.8	1901.7	2004.4	2088.0	2173.6	2274.3	2311.8	2278.9
80°	114.5	119.8	196.8	482.5	793.9	850.5	922.2	1016.4	1109.8	1132.9	1190.8
82.5°	60.6	66.5	104.0	209.3	339.0	370.6	389.0	427.9	460.8	480.5	491.1
85°	34.9	35.5	59.2	115.9	155.4	167.9	179.7	188.9	199.5	192.2	192.2
87.5°	13.8	15.1	30.3	54.6	75.0	83.6	83.6	83.6	82.9	73.1	66.5
90°	7.6	8.9	12.9	19.2	17.9	17.9	17.2	15.9	15.2	15.9	12.5
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
95°	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
97.5°	7.0	7.0	8.0	8.0	8.5	8.6	8.7	8.8	8.9	9.0	9.0
100°	8.0	8.0	9.0	10.0	11.0	11.2	11.4	11.6	11.8	12.0	12.9
102.5°	11.0	11.0	13.0	18.0	22.5	23.4	24.3	25.2	26.1	27.0	28.3
105°	21.0	22.0	27.0	36.0	42.0	43.2	44.4	45.6	46.8	48.0	49.5
107.5°	41.0	42.0	49.0	58.0	65.5	67.0	68.5	70.0	71.5	73.0	74.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	66.0	68.0	74.0	87.0	94.5	96.0	97.5	99.0	100.5	102.0	103.2
112.5°	99.0	99.0	106.0	121.0	127.5	128.8	130.1	131.4	132.7	134.0	134.9
115°	140.0	139.0	147.0	159.0	163.5	164.4	165.3	166.2	167.1	168.0	168.6
117.5°	184.0	184.0	189.0	197.0	199.5	200.0	200.5	201.0	201.5	202.0	202.3
120°	225.0	223.0	226.0	233.0	235.0	235.4	235.8	236.2	236.6	237.0	237.6
122.5°	263.0	260.0	261.0	267.0	269.0	269.4	269.8	270.2	270.6	271.0	271.6
125°	298.0	294.0	296.0	299.0	302.0	302.6	303.2	303.8	304.4	305.0	305.5
127.5°	330.0	329.0	329.0	333.0	336.0	336.6	337.2	337.8	338.4	339.0	339.1
130°	363.0	361.0	362.0	366.0	368.0	368.4	368.8	369.2	369.6	370.0	370.2
132.5°	396.0	394.0	393.0	401.0	402.5	402.8	403.1	403.4	403.7	404.0	404.1
135°	429.0	426.0	426.0	432.0	433.5	433.8	434.1	434.4	434.7	435.0	435.2
137.5°	460.0	457.0	459.0	460.0	462.0	462.4	462.8	463.2	463.6	464.0	464.4
140°	488.0	485.0	487.0	489.0	490.0	490.2	490.4	490.6	490.8	491.0	491.6
142.5°	518.0	515.0	517.0	518.0	519.5	519.8	520.1	520.4	520.7	521.0	521.4
145°	550.0	546.0	544.0	547.0	548.5	548.8	549.1	549.4	549.7	550.0	550.1
147.5°	575.0	572.0	571.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.1
150°	595.0	592.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0
152.5°	611.0	608.0	608.0	609.0	609.5	609.6	609.7	609.8	609.8	609.9	610.0
155°	629.0	625.0	625.0	627.0	628.5	628.8	629.1	629.4	629.7	630.0	629.8
157.5°	646.0	643.0	643.0	644.0	645.0	645.2	645.4	645.6	645.8	646.0	645.9
160°	663.0	660.0	659.0	656.0	655.5	655.4	655.3	655.2	655.1	655.0	655.0
162.5°	673.0	669.0	669.0	665.0	663.0	662.6	662.2	661.8	661.4	661.0	661.2
165°	681.0	678.0	676.0	676.0	674.5	674.2	673.9	673.6	673.3	673.0	673.0
167.5°	690.0	687.0	684.0	686.0	687.0	687.2	687.4	687.6	687.8	688.0	687.7
170°	698.0	695.0	692.0	692.0	692.5	692.6	692.7	692.8	692.9	693.0	692.8
172.5°	699.0	697.0	695.0	693.0	691.5	691.2	690.9	690.6	690.3	690.0	690.0
175°	700.0	698.0	697.0	695.0	693.0	692.6	692.2	691.8	691.4	691.0	690.9
177.5°	707.0	705.0	700.0	699.0	698.0	697.8	697.6	697.4	697.2	697.0	696.8
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0





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**CANDELA DISTRIBUTION (continued):**

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7
2.5°	656.9	657.6	656.3	658.9	656.9	656.9	660.2	666.2	670.8	672.1	676.0
5°	638.5	639.2	639.2	639.8	639.2	640.5	646.4	651.7	660.9	665.5	671.4
7.5°	614.8	616.8	616.1	617.5	617.5	618.8	628.0	636.5	645.8	654.3	661.6
10°	586.5	587.8	590.5	589.1	589.1	593.1	603.0	615.5	626.7	639.2	647.7
12.5°	552.9	556.2	555.6	558.2	559.5	562.2	578.6	592.4	606.3	620.7	631.9
15°	526.6	528.6	529.9	530.6	530.6	536.5	552.9	570.1	588.5	605.6	617.5
17.5°	509.5	509.5	510.8	511.5	512.8	516.7	533.9	552.9	574.0	595.1	608.2
20°	499.6	499.6	500.3	500.9	500.9	505.5	521.3	543.1	566.1	593.1	608.9
22.5°	507.5	505.5	504.9	504.9	502.3	502.3	517.4	540.4	569.4	604.3	624.7
25°	561.5	555.6	546.4	544.4	541.1	525.3	523.3	549.7	585.2	628.6	659.6
27.5°	642.5	636.5	630.6	623.4	618.1	589.1	549.7	573.3	615.5	677.4	715.5
30°	748.4	736.6	728.0	720.1	697.1	665.5	604.3	610.2	662.2	745.2	793.2
32.5°	866.9	854.4	841.3	822.8	816.9	765.6	687.2	671.4	721.5	824.1	874.2
35°	981.5	975.5	966.3	959.1	945.3	902.5	795.2	745.2	789.9	917.0	955.8
37.5°	1114.4	1103.3	1103.9	1098.0	1090.1	1053.9	907.1	834.0	863.6	1005.8	1030.2
40°	1245.4	1242.8	1246.8	1236.9	1223.7	1175.0	989.4	899.2	940.7	1091.4	1085.5
42.5°	1369.2	1371.2	1366.6	1355.4	1340.9	1259.3	1042.0	954.5	1009.8	1166.4	1129.6
45°	1510.7	1503.5	1484.4	1464.6	1446.9	1331.7	1070.3	1016.4	1076.3	1247.4	1174.3
47.5°	1644.3	1616.0	1599.6	1569.3	1534.4	1397.5	1108.5	1081.5	1150.0	1323.8	1217.1
50°	1742.4	1716.1	1688.4	1651.6	1614.7	1454.8	1159.2	1155.3	1233.6	1409.3	1275.7
52.5°	1787.2	1762.8	1735.8	1698.3	1661.5	1496.2	1227.0	1227.0	1332.3	1522.6	1356.7
55°	1779.9	1762.2	1738.5	1704.2	1675.9	1518.6	1296.8	1306.0	1456.1	1645.0	1450.2
57.5°	1741.8	1731.9	1718.1	1694.4	1671.3	1535.7	1379.1	1385.0	1622.0	1762.8	1538.4
60°	1728.6	1724.7	1716.8	1702.9	1685.2	1573.3	1466.6	1479.8	1807.6	1870.8	1588.4
62.5°	1787.2	1779.3	1773.4	1759.5	1743.1	1665.4	1576.5	1580.5	1982.0	1884.0	1539.7
65°	1951.8	1937.3	1927.4	1909.0	1890.5	1804.3	1716.8	1674.0	2067.6	1760.9	1374.5
67.5°	2296.7	2273.0	2244.7	2209.8	2159.1	2081.4	1855.6	1687.1	1989.9	1491.6	1084.2
70°	2978.6	2927.3	2862.1	2787.8	2768.7	2542.2	1942.5	1589.7	1654.2	1042.0	718.8
72.5°	3895.0	3841.6	3783.7	3722.5	3601.4	3103.7	1904.4	1282.3	1028.9	535.8	342.3
73°	3910.1	3873.9	3804.1	3733.0	3634.3	3093.8	1862.9	1182.2	907.1	421.9	280.4
75°	3506.6	3492.1	3423.6	3286.7	3203.1	2613.3	1371.8	685.3	396.9	260.7	182.3
77.5°	2275.6	2259.8	2221.0	2207.8	2053.8	1694.4	614.2	266.6	215.9	173.1	129.0
80°	1212.5	1138.8	1125.6	1073.0	960.4	652.3	210.0	163.2	143.5	115.9	90.2
82.5°	491.7	460.1	448.3	406.1	381.8	195.5	105.3	113.2	96.1	68.5	55.3
85°	181.0	166.5	162.6	132.3	116.5	57.9	64.5	79.7	59.9	38.2	27.6
87.5°	62.5	54.0	46.7	36.2	33.6	23.7	35.5	43.4	38.2	23.0	13.2
90°	12.4	11.6	10.9	10.1	10.7	9.6	10.9	14.9	15.6	10.9	9.6
92.5°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0
95°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.0	7.0	7.0	7.0
97.5°	9.0	9.0	9.0	9.0	9.0	9.0	12.0	10.0	9.0	8.0	8.0
100°	13.8	14.7	15.6	16.5	17.4	21.0	29.0	26.0	23.0	19.0	19.0
102.5°	29.6	30.9	32.2	33.5	34.8	40.0	50.0	47.0	42.0	39.0	38.0
105°	51.0	52.5	54.0	55.5	57.0	63.0	72.0	70.0	65.0	61.0	61.0
107.5°	76.0	77.5	79.0	80.5	82.0	88.0	95.0	94.0	90.0	87.0	86.0



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**CANDELA DISTRIBUTION (continued):**

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	104.4	105.6	106.8	108.0	109.2	114.0	120.0	121.0	119.0	116.0	117.0
112.5°	135.8	136.7	137.6	138.5	139.4	143.0	148.0	150.0	149.0	147.0	147.0
115°	169.2	169.8	170.4	171.0	171.6	174.0	179.0	182.0	179.0	177.0	178.0
117.5°	202.6	202.9	203.2	203.5	203.8	205.0	211.0	215.0	210.0	208.0	209.0
120°	238.2	238.8	239.4	240.0	240.6	243.0	246.0	250.0	245.0	243.0	243.0
122.5°	272.2	272.8	273.4	274.0	274.6	277.0	279.0	283.0	278.0	276.0	277.0
125°	306.0	306.5	307.0	307.5	308.0	310.0	313.0	315.0	310.0	310.0	310.0
127.5°	339.2	339.3	339.4	339.5	339.6	340.0	345.0	346.0	346.0	345.0	347.0
130°	370.4	370.6	370.8	371.0	371.2	372.0	377.0	381.0	381.0	379.0	380.0
132.5°	404.2	404.3	404.4	404.5	404.6	405.0	411.0	416.0	414.0	414.0	415.0
135°	435.4	435.6	435.8	436.0	436.2	437.0	443.0	448.0	447.0	450.0	451.0
137.5°	464.8	465.2	465.6	466.0	466.4	468.0	473.0	475.0	476.0	481.0	482.0
140°	492.2	492.8	493.4	494.0	494.6	497.0	500.0	502.0	504.0	509.0	511.0
142.5°	521.8	522.2	522.6	523.0	523.4	525.0	527.0	533.0	533.0	534.0	536.0
145°	550.2	550.3	550.4	550.5	550.6	551.0	556.0	562.0	561.0	558.0	560.0
147.5°	574.2	574.3	574.4	574.5	574.6	575.0	580.0	585.0	586.0	583.0	585.0
150°	593.0	593.0	593.0	593.0	593.0	593.0	597.0	600.0	603.0	606.0	610.0
152.5°	610.0	610.0	610.0	610.0	610.0	610.0	611.0	614.0	618.0	623.0	628.0
155°	629.6	629.4	629.2	629.0	628.8	628.0	626.0	631.0	636.0	638.0	641.0
157.5°	645.8	645.7	645.6	645.5	645.4	645.0	644.0	648.0	650.0	650.0	655.0
160°	655.0	655.0	655.0	655.0	655.0	655.0	658.0	664.0	661.0	660.0	666.0
162.5°	661.4	661.6	661.8	662.0	662.2	663.0	667.0	671.0	670.0	668.0	674.0
165°	673.0	673.0	673.0	673.0	673.0	673.0	672.0	677.0	680.0	678.0	682.0
167.5°	687.4	687.1	686.8	686.5	686.2	685.0	678.0	684.0	688.0	688.0	694.0
170°	692.6	692.4	692.2	692.0	691.8	691.0	686.0	689.0	694.0	696.0	701.0
172.5°	690.0	690.0	690.0	690.0	690.0	690.0	689.0	692.0	694.0	696.0	701.0
175°	690.8	690.7	690.6	690.5	690.4	690.0	690.0	695.0	696.0	694.0	699.0
177.5°	696.6	696.4	696.2	696.0	695.8	695.0	694.0	699.0	701.0	698.0	702.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7
2.5°	677.4	680.0	685.3	689.2	692.5	697.1	698.4	701.1	697.8	701.7
5°	674.7	682.6	692.5	701.7	710.3	717.5	720.8	721.5	722.1	724.7
7.5°	668.1	680.0	695.8	708.3	721.5	726.1	728.0	728.7	724.1	726.1
10°	655.0	674.1	693.8	709.0	715.5	712.2	707.0	698.4	694.5	694.5
12.5°	640.5	664.8	687.9	696.4	690.5	678.0	663.5	647.7	641.8	641.8
15°	628.6	659.6	678.7	672.7	655.6	631.9	612.2	595.7	590.5	588.5
17.5°	622.1	656.9	664.2	645.8	616.8	587.2	567.4	553.6	549.0	549.0
20°	627.3	659.6	647.7	613.5	577.3	550.3	533.2	524.0	519.4	521.3
22.5°	649.7	669.5	633.3	581.9	537.8	514.8	506.9	500.9	500.3	501.6
25°	687.2	682.6	620.7	549.0	500.9	484.5	483.8	481.8	481.2	480.5
27.5°	735.9	699.1	605.6	512.1	464.1	456.2	460.1	459.5	458.8	459.5
30°	800.5	713.6	583.2	472.0	429.2	429.2	435.1	433.1	430.5	431.2
32.5°	860.4	724.1	549.0	427.2	401.5	402.9	404.8	399.6	393.0	394.3
35°	911.7	724.1	502.9	387.1	373.2	373.2	374.6	369.9	364.7	362.7
37.5°	954.5	709.6	445.0	356.8	350.2	350.2	355.5	350.9	341.0	339.0
40°	980.2	678.0	391.7	334.4	339.0	339.7	332.4	324.5	315.3	313.3
42.5°	996.6	631.9	349.5	318.6	331.8	326.5	309.4	296.9	296.2	298.9
45°	1011.1	579.9	316.0	302.8	323.9	312.7	289.6	277.8	281.7	284.4
47.5°	1025.6	527.9	289.0	285.0	309.4	301.5	277.1	264.0	262.0	265.9
50°	1059.8	455.5	258.0	264.0	291.6	289.0	265.9	250.8	238.3	237.6
52.5°	1105.9	358.8	231.7	245.5	277.8	281.7	253.4	239.0	221.8	219.2
55°	1157.2	275.2	210.0	231.1	264.6	271.2	248.8	227.1	208.7	206.0
57.5°	1172.4	217.2	189.6	210.6	246.8	261.3	241.6	213.3	199.5	196.8
60°	1120.4	180.4	172.5	193.5	229.1	251.5	230.4	202.7	190.2	188.3
62.5°	961.7	159.3	163.2	182.3	215.9	242.2	221.8	194.8	185.0	183.7
65°	734.0	144.8	155.4	173.1	204.1	233.7	215.9	191.6	183.7	182.3
67.5°	460.8	134.3	147.5	163.2	192.2	224.5	211.3	187.6	181.7	179.7
70°	255.4	123.1	136.9	152.1	180.4	215.9	205.4	181.7	181.0	177.1
72.5°	155.4	111.2	125.7	140.2	167.2	205.4	194.8	174.4	167.9	160.0
73°	148.1	109.9	123.1	137.6	163.9	202.7	192.9	171.8	165.2	157.3
75°	119.8	98.7	112.6	125.1	152.1	192.2	181.7	162.6	152.1	146.1
77.5°	88.2	84.3	97.4	109.3	136.9	177.7	165.9	148.8	136.3	133.0
80°	65.2	69.8	82.3	92.8	120.5	163.2	149.4	133.0	125.1	121.1
82.5°	44.1	54.0	65.8	74.4	106.6	147.5	132.3	116.5	121.8	101.4
85°	25.7	37.5	47.4	57.9	85.6	131.7	115.2	99.4	86.9	78.3
87.5°	17.1	21.1	29.0	39.5	61.9	103.3	91.5	77.7	56.6	56.6
90°	9.0	11.6	12.9	11.6	15.6	52.1	38.3	43.2	11.6	10.9
92.5°	6.0	6.0	7.0	7.0	6.0	6.0	6.0	5.0	4.0	4.0
95°	7.0	7.0	8.0	7.0	7.0	7.0	7.0	6.0	5.0	5.0
97.5°	8.0	9.0	10.0	12.0	9.0	9.0	8.0	8.0	7.0	7.0
100°	19.0	23.0	26.0	29.0	21.0	12.0	10.0	9.0	8.0	8.0
102.5°	39.0	42.0	47.0	50.0	40.0	27.0	18.0	13.0	11.0	11.0
105°	61.0	65.0	70.0	72.0	63.0	48.0	36.0	27.0	22.0	21.0
107.5°	87.0	90.0	94.0	95.0	88.0	73.0	58.0	49.0	42.0	41.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	116.0	119.0	121.0	120.0	114.0	102.0	87.0	74.0	68.0	66.0
112.5°	147.0	149.0	150.0	148.0	143.0	134.0	121.0	106.0	99.0	99.0
115°	177.0	179.0	182.0	179.0	174.0	168.0	159.0	147.0	139.0	140.0
117.5°	208.0	210.0	215.0	211.0	205.0	202.0	197.0	189.0	184.0	184.0
120°	243.0	245.0	250.0	246.0	243.0	237.0	233.0	226.0	223.0	225.0
122.5°	276.0	278.0	283.0	279.0	277.0	271.0	267.0	261.0	260.0	263.0
125°	310.0	310.0	315.0	313.0	310.0	305.0	299.0	296.0	294.0	298.0
127.5°	345.0	346.0	346.0	345.0	340.0	339.0	333.0	329.0	329.0	330.0
130°	379.0	381.0	381.0	377.0	372.0	370.0	366.0	362.0	361.0	363.0
132.5°	414.0	414.0	416.0	411.0	405.0	404.0	401.0	393.0	394.0	396.0
135°	450.0	447.0	448.0	443.0	437.0	435.0	432.0	426.0	426.0	429.0
137.5°	481.0	476.0	475.0	473.0	468.0	464.0	460.0	459.0	457.0	460.0
140°	509.0	504.0	502.0	500.0	497.0	491.0	489.0	487.0	485.0	488.0
142.5°	534.0	533.0	533.0	527.0	525.0	521.0	518.0	517.0	515.0	518.0
145°	558.0	561.0	562.0	556.0	551.0	550.0	547.0	544.0	546.0	550.0
147.5°	583.0	586.0	585.0	580.0	575.0	574.0	574.0	571.0	572.0	575.0
150°	606.0	603.0	600.0	597.0	593.0	593.0	593.0	593.0	592.0	595.0
152.5°	623.0	618.0	614.0	611.0	610.0	610.0	609.0	608.0	608.0	611.0
155°	638.0	636.0	631.0	626.0	628.0	630.0	627.0	625.0	625.0	629.0
157.5°	650.0	650.0	648.0	644.0	645.0	646.0	644.0	643.0	643.0	646.0
160°	660.0	661.0	664.0	658.0	655.0	655.0	656.0	659.0	660.0	663.0
162.5°	668.0	670.0	671.0	667.0	663.0	661.0	665.0	669.0	669.0	673.0
165°	678.0	680.0	677.0	672.0	673.0	673.0	676.0	676.0	678.0	681.0
167.5°	688.0	688.0	684.0	678.0	685.0	688.0	686.0	684.0	687.0	690.0
170°	696.0	694.0	689.0	686.0	691.0	693.0	692.0	692.0	695.0	698.0
172.5°	696.0	694.0	692.0	689.0	690.0	690.0	693.0	695.0	697.0	699.0
175°	694.0	696.0	695.0	690.0	690.0	691.0	695.0	697.0	698.0	700.0
177.5°	698.0	701.0	699.0	694.0	695.0	697.0	699.0	700.0	705.0	707.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0

(END OF REPORT)