

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: P674194

Luminaire Tested: **CCP-SA-1C-840-U-SLL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674194
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-840-U-SLL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ SLL distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

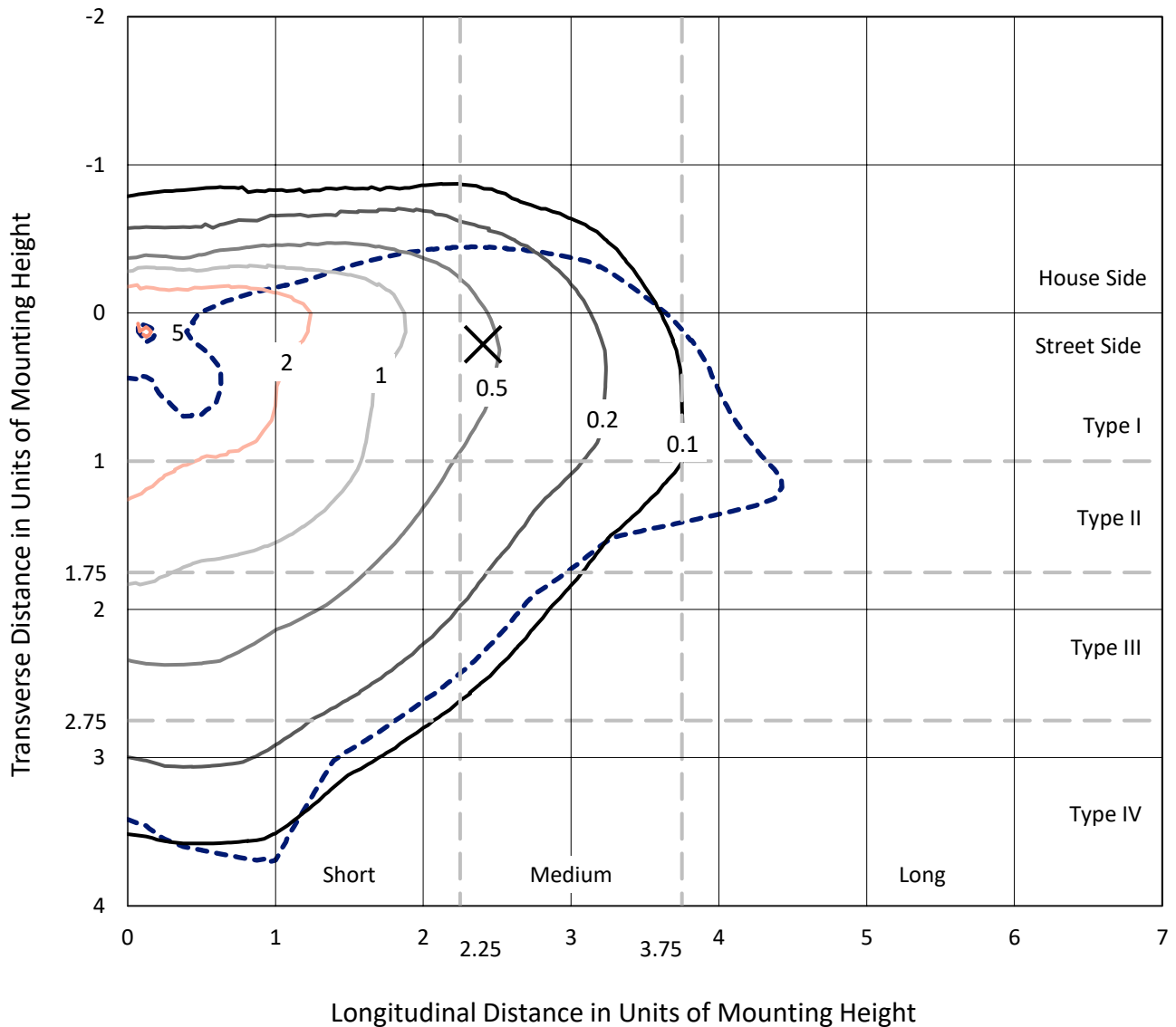
Lumens per Lamp: N/A
Luminaire Lumens: 2796.8 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

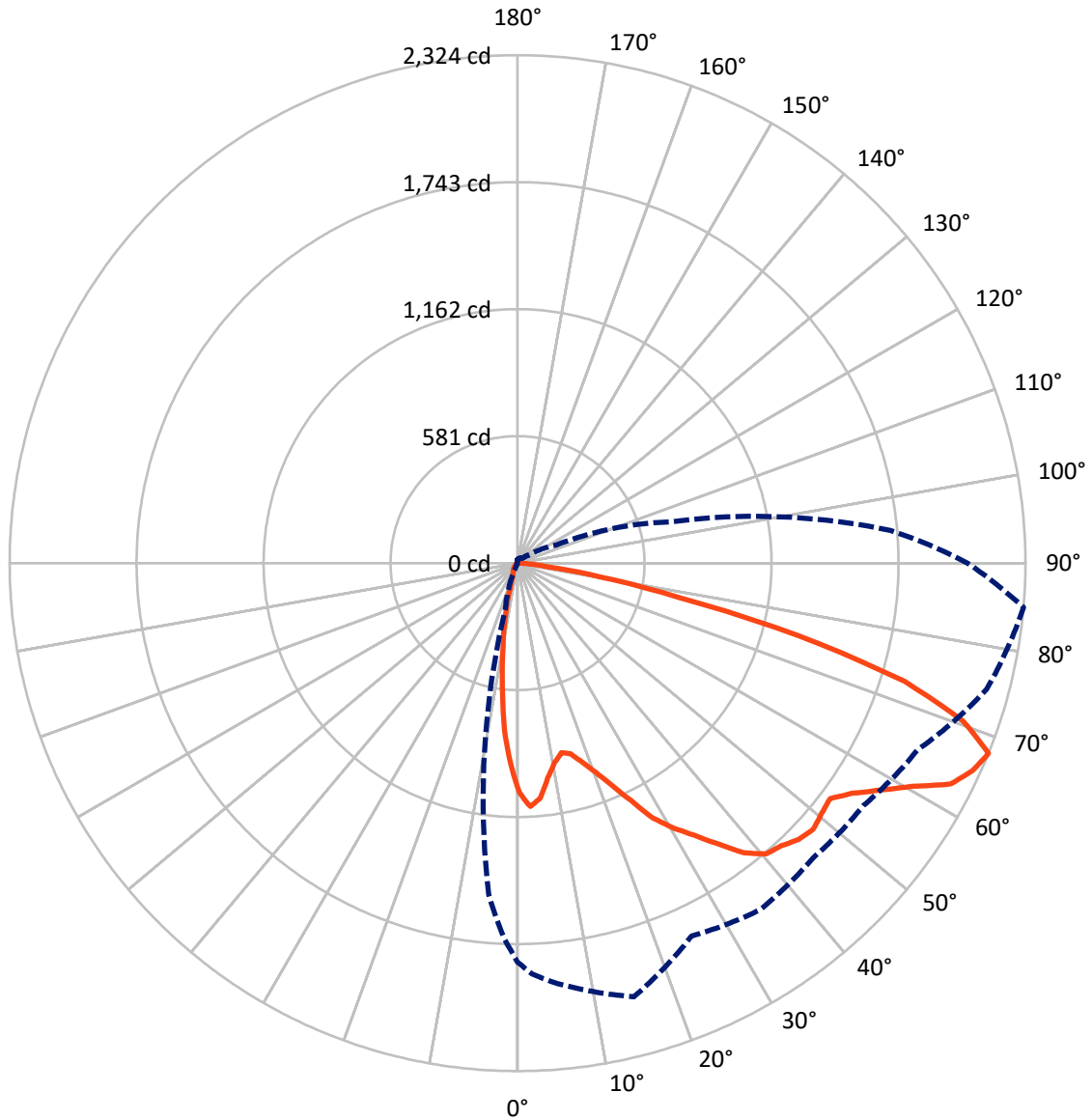
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.6	0.0	485.6
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	2311.2	0.0	2311.2
	% Fixture	82.6	0.0	82.6
Total	Lumens	2796.8	0.0	2796.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	2.9
10°-20°	156.7	5.6
20°-30°	216.8	7.8
30°-40°	306.4	11.0
40°-50°	417.1	14.9
50°-60°	552.5	19.8
60°-70°	641.5	22.9
70°-80°	363.3	13.0
80°-90°	62.8	2.2
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°	2796.8	100.0
0°-180°	2796.8	100.0



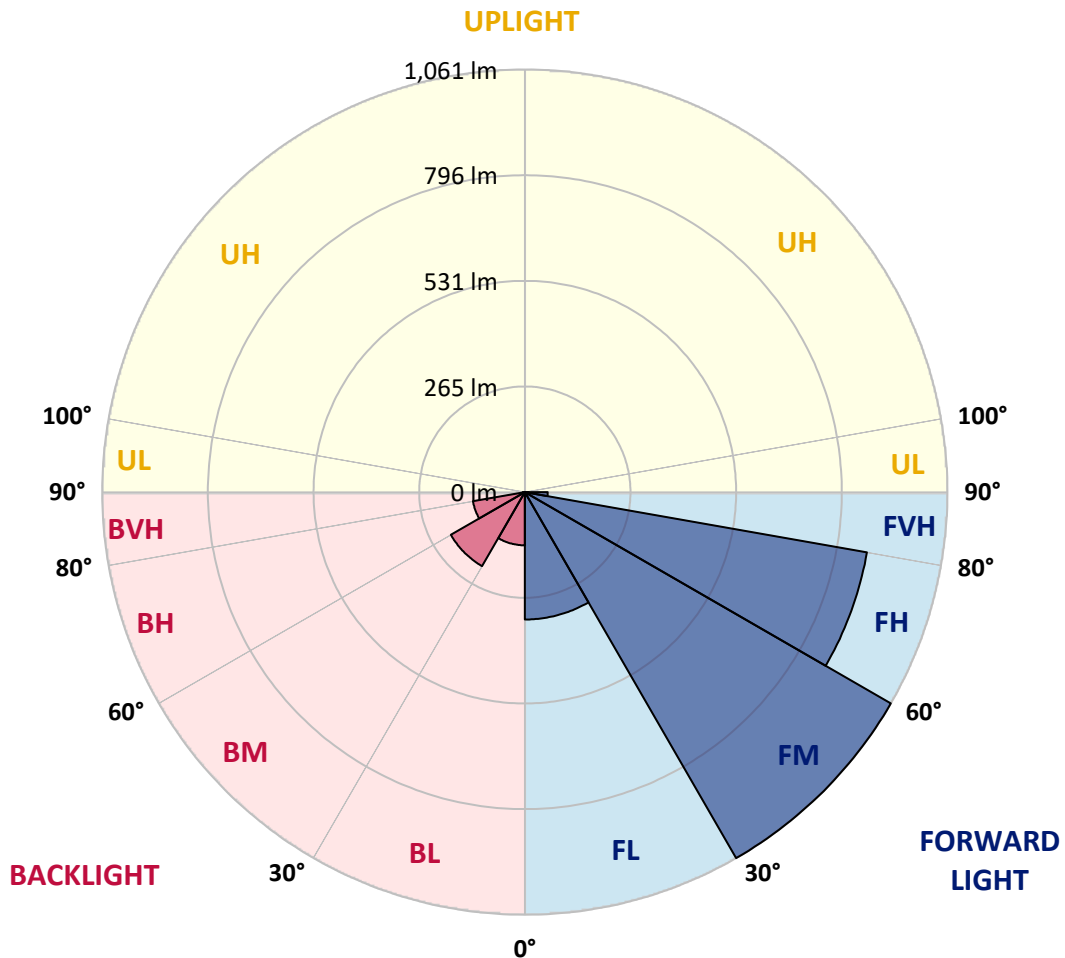
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.8	11.4			
FM (30°-60°)	1061.4	38.0			
FH (60°-80°)	872.5	31.2			G1/1800
FVH (80°-90°)	57.5	2.1			G1/100
BL (0°-30°)	133.5	4.8	B1/500		
BM (30°-60°)	214.6	7.7	B0/220		
BH (60°-80°)	132.3	4.7	B1/500		G1/500
BVH (80°-90°)	5.3	0.2			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6
2.5°	1092.7	1115.8	1116.6	1127.0	1137.5	1137.5	1162.1	1156.2	1134.5	1130.8	1115.1
5°	1100.9	1109.1	1115.1	1168.1	1212.9	1208.4	1221.9	1212.9	1171.1	1117.3	1080.7
7.5°	1029.9	1038.9	1062.8	1153.2	1213.7	1233.8	1259.2	1203.2	1159.1	1062.0	991.8
10°	935.8	953.0	997.1	1100.1	1174.8	1239.1	1239.1	1194.2	1109.1	1014.2	928.4
12.5°	883.5	917.9	941.8	1046.4	1143.5	1187.5	1186.0	1162.1	1106.9	987.4	890.3
15°	892.5	902.2	953.0	1034.4	1098.6	1096.4	1123.3	1115.8	1077.0	1011.3	904.5
17.5°	933.6	948.5	992.6	1034.4	1065.0	1056.1	1055.3	1091.2	1093.4	1051.6	957.5
20°	1000.8	1044.9	1065.8	1078.5	1041.1	1003.0	998.6	1048.6	1087.4	1103.1	1021.0
22.5°	1108.4	1137.5	1180.1	1115.1	1018.0	970.2	961.2	1016.5	1094.9	1164.4	1103.1
25°	1213.7	1236.1	1277.1	1193.5	1044.1	963.5	947.8	995.6	1123.3	1249.5	1202.5
27.5°	1324.9	1344.4	1348.8	1251.0	1058.3	950.0	931.3	995.6	1147.2	1294.3	1321.2
30°	1392.9	1416.1	1420.5	1301.8	1081.5	961.2	952.3	1000.1	1163.6	1332.4	1406.4
32.5°	1469.1	1475.1	1471.3	1310.8	1106.9	994.1	956.7	1029.9	1182.3	1378.0	1484.0
35°	1560.2	1570.7	1532.6	1351.8	1163.6	1015.0	1001.5	1066.5	1214.4	1398.9	1578.1
37.5°	1629.7	1662.5	1576.6	1367.5	1174.8	1059.1	1061.3	1142.7	1236.8	1424.3	1681.9
40°	1760.4	1705.1	1651.3	1421.3	1217.4	1133.7	1121.8	1221.1	1312.2	1440.7	1749.9
42.5°	1832.1	1802.9	1680.5	1426.5	1283.1	1236.8	1239.8	1310.0	1351.8	1487.0	1768.6
45°	1850.0	1819.4	1720.0	1430.3	1348.1	1358.6	1410.1	1423.5	1410.1	1517.6	1803.7
47.5°	1895.5	1829.1	1715.6	1480.3	1453.4	1493.7	1559.5	1588.6	1489.3	1506.4	1820.1
50°	1886.6	1848.5	1705.8	1501.2	1581.9	1688.7	1732.7	1720.8	1577.4	1483.3	1802.2
52.5°	1849.2	1808.2	1735.7	1558.0	1702.1	1831.3	1892.6	1862.7	1655.8	1535.6	1790.2
55°	1903.8	1872.4	1774.6	1634.9	1792.5	1956.8	2000.1	1977.7	1752.2	1584.1	1858.2
57.5°	1962.8	1956.0	1879.9	1725.3	1899.3	2086.0	2086.0	2058.4	1835.8	1654.3	1959.0
60°	2047.9	2062.8	1957.5	1785.0	1935.9	2078.5	2186.8	2154.7	1920.2	1777.5	2073.3
62.5°	2020.3	2068.1	2057.6	1913.5	1977.7	2115.1	2174.1	2198.0	2024.8	1927.7	2225.7
65°	1931.4	1982.2	2056.9	1997.9	1946.3	2026.3	2056.1	2128.6	2077.0	2068.8	2288.4
67.5°	1825.3	1880.6	1926.9	2054.6	1882.9	1935.9	1909.7	1932.9	2020.3	2223.4	2324.3
70°	1593.8	1646.8	1720.0	1928.4	1714.8	1667.0	1660.3	1649.1	1785.0	2168.2	2161.4
72.5°	1310.8	1335.4	1456.4	1567.7	1268.9	1260.0	1270.4	1257.7	1415.3	1962.8	1851.5
75°	981.4	1006.0	1074.7	1203.9	864.1	812.6	872.3	931.3	1080.7	1523.6	1330.2
77.5°	737.9	769.3	812.6	900.7	634.1	553.4	561.6	617.7	781.2	1220.4	745.4
80°	478.7	475.0	558.7	619.9	477.2	492.2	471.3	512.4	566.1	652.8	380.9
82.5°	276.3	280.1	315.2	355.5	332.4	380.2	274.1	457.8	404.1	265.9	141.9
85°	155.3	162.1	194.2	246.5	208.4	139.7	114.3	227.0	253.9	109.0	68.7
87.5°	15.7	13.4	26.1	93.4	56.8	23.2	34.4	54.5	61.2	41.1	20.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6
2.5°	1092.7	1092.7	1074.0	1042.6	1029.9	1007.5	976.9	986.6	976.2	938.1	928.4
5°	1047.9	1012.0	973.2	925.4	897.7	841.0	823.0	790.9	796.2	764.0	765.5
7.5°	954.5	926.1	860.4	797.7	743.1	693.8	624.4	598.2	572.8	560.2	575.1
10°	900.0	846.9	757.3	675.2	602.7	558.7	512.4	476.5	443.6	419.0	413.8
12.5°	860.4	813.3	705.0	605.0	548.2	512.4	469.8	420.5	388.4	345.8	333.1
15°	848.4	790.9	676.7	577.3	522.1	463.1	414.5	366.0	324.1	279.3	263.6
17.5°	889.5	823.0	675.9	554.9	477.2	413.8	346.5	292.0	249.5	208.4	198.7
20°	959.0	857.4	697.6	541.5	434.7	349.5	273.4	218.8	171.0	144.1	137.4
22.5°	1038.1	915.7	699.8	505.6	392.1	285.3	199.4	144.1	117.3	104.6	100.8
25°	1135.2	1009.0	726.7	476.5	342.1	216.6	141.9	110.5	94.9	87.4	85.9
27.5°	1215.2	1074.0	755.8	445.9	292.8	160.6	111.3	90.4	82.2	74.7	73.9
30°	1298.1	1148.7	764.0	427.2	250.2	132.2	95.6	79.9	71.0	67.2	66.5
32.5°	1370.5	1230.1	790.2	396.6	209.9	116.5	86.6	71.7	65.7	59.7	59.0
35°	1463.9	1277.1	802.9	380.2	194.9	105.3	79.2	65.7	56.8	53.0	51.5
37.5°	1563.9	1322.7	811.1	367.5	182.2	98.6	74.7	62.0	53.8	48.5	47.1
40°	1657.3	1386.9	799.1	351.8	172.5	90.4	71.7	57.5	50.0	44.8	42.6
42.5°	1729.0	1449.7	795.4	336.8	162.1	87.4	68.0	55.3	47.1	41.1	40.3
45°	1769.3	1492.2	769.3	324.9	153.9	88.9	66.5	52.3	44.8	39.6	36.6
47.5°	1759.6	1525.1	776.0	321.2	142.7	82.9	65.7	50.0	41.1	36.6	34.4
50°	1813.4	1591.6	764.8	309.2	134.4	74.7	71.7	50.0	40.3	35.1	32.9
52.5°	1822.4	1652.1	788.7	287.5	121.7	68.7	71.0	49.3	38.8	33.6	30.6
55°	1897.0	1722.3	835.0	275.6	111.3	59.7	65.0	47.8	35.1	30.6	29.1
57.5°	1998.6	1867.9	864.9	264.4	97.1	52.3	54.5	47.1	32.1	28.4	26.1
60°	2096.5	1926.2	867.1	244.2	83.6	47.1	42.6	47.1	29.9	25.4	23.2
62.5°	2169.6	1926.2	852.2	227.0	73.2	41.8	37.3	44.8	26.9	22.4	20.9
65°	2130.1	1874.6	813.3	212.9	66.5	36.6	32.1	34.4	23.9	19.4	17.9
67.5°	2059.1	1714.1	727.4	195.7	65.7	32.1	27.6	25.4	20.9	17.2	15.7
70°	1945.6	1497.5	605.7	176.3	64.2	29.1	24.6	21.7	18.7	14.9	13.4
72.5°	1567.7	1236.8	497.4	165.1	62.7	25.4	20.9	18.7	15.7	12.7	11.2
75°	1085.9	790.2	383.1	141.2	61.2	23.2	19.4	16.4	13.4	10.5	9.7
77.5°	651.3	528.0	247.2	106.1	40.3	18.7	16.4	12.7	11.2	9.0	8.2
80°	304.7	249.5	100.1	41.1	19.4	13.4	11.2	9.7	9.0	7.5	6.7
82.5°	119.5	105.3	48.5	23.9	15.7	10.5	9.0	8.2	7.5	6.0	5.2
85°	64.2	56.8	23.2	16.4	11.2	7.5	7.5	6.7	6.0	5.2	4.5
87.5°	14.2	10.5	9.7	9.7	8.2	6.0	6.0	5.2	4.5	3.7	3.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6
2.5°	923.1	934.3	916.4	927.6	911.9	923.9	925.4	914.2	917.2	932.1	938.8
5°	786.5	779.0	762.6	757.3	758.1	748.4	752.1	757.3	765.5	770.0	783.5
7.5°	566.9	584.1	583.3	596.0	596.7	595.3	584.8	562.4	569.9	563.9	571.4
10°	405.5	413.0	427.2	435.4	450.4	442.1	418.2	409.3	404.8	404.1	411.5
12.5°	324.1	306.2	304.7	307.7	315.2	305.5	293.5	283.1	288.3	298.7	307.0
15°	250.9	236.0	216.6	213.6	215.1	210.6	197.9	184.5	188.2	198.7	204.6
17.5°	192.7	175.5	162.1	153.1	150.1	134.4	115.8	104.6	101.6	100.8	106.1
20°	130.0	127.0	124.7	113.5	113.5	91.1	75.4	67.2	67.2	68.7	69.5
22.5°	97.1	93.4	94.1	91.9	85.9	68.0	59.7	57.5	57.5	59.0	59.0
25°	84.4	79.2	77.7	76.9	71.0	58.3	52.3	50.0	50.0	51.5	51.5
27.5°	71.7	70.2	68.0	65.0	59.7	50.0	46.3	44.1	44.8	45.6	44.8
30°	65.7	62.0	59.0	59.0	53.0	44.8	41.8	40.3	38.8	40.3	41.1
32.5°	58.3	56.0	54.5	52.3	45.6	39.6	36.6	35.1	34.4	34.4	35.1
35°	50.0	50.0	48.5	45.6	39.6	35.8	32.1	30.6	29.9	30.6	30.6
37.5°	44.8	42.6	43.3	40.3	35.1	31.4	27.6	26.1	26.1	25.4	26.1
40°	41.8	38.1	35.8	34.4	31.4	26.9	23.9	22.4	21.7	21.7	21.7
42.5°	37.3	34.4	29.9	29.1	28.4	23.2	19.4	18.7	17.9	17.2	17.2
45°	35.1	30.6	26.9	23.2	23.2	19.4	16.4	14.9	14.2	13.4	14.2
47.5°	32.1	27.6	23.2	19.4	18.7	15.7	12.7	11.2	10.5	10.5	10.5
50°	30.6	24.6	20.2	16.4	14.2	12.7	9.7	8.2	7.5	7.5	7.5
52.5°	28.4	23.2	17.9	14.2	11.2	9.7	7.5	6.0	5.2	5.2	5.2
55°	25.4	20.9	15.7	11.9	9.7	7.5	5.2	3.7	3.0	3.0	3.0
57.5°	23.9	18.7	13.4	10.5	7.5	5.2	3.0	2.2	2.2	1.5	2.2
60°	21.7	16.4	11.2	8.2	6.0	3.7	2.2	0.7	0.7	0.7	0.7
62.5°	18.7	14.2	9.7	6.7	4.5	2.2	0.7	0.0	0.0	0.0	0.0
65°	15.7	11.2	7.5	5.2	3.0	0.7	0.0	0.0	0.0	0.0	0.0
67.5°	13.4	9.7	6.0	3.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	11.9	8.2	4.5	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	9.7	6.7	3.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	8.2	5.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.7	3.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.2	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6	1051.6
2.5°	948.5	944.0	966.4	1003.0	1021.7	1058.3	1067.3	1090.4	1084.5	1092.7
5°	785.0	793.9	826.8	880.6	900.0	953.0	1003.0	1053.1	1085.2	1100.9
7.5°	582.6	612.4	652.8	702.1	752.1	821.6	906.7	965.0	996.3	1029.9
10°	433.9	466.0	512.4	560.9	642.3	720.0	805.1	877.6	904.5	935.8
12.5°	341.3	391.4	445.1	497.4	546.0	619.9	725.2	830.5	859.6	883.5
15°	237.5	298.7	375.7	443.6	511.6	575.8	684.9	812.6	852.2	892.5
17.5°	131.4	180.0	268.1	363.7	463.8	562.4	698.3	845.5	905.2	933.6
20°	76.2	95.6	158.3	271.9	404.1	533.3	705.0	907.4	986.6	1000.8
22.5°	62.7	69.5	89.6	170.3	330.9	514.6	739.4	994.1	1074.7	1108.4
25°	53.8	59.0	69.5	102.3	250.2	475.0	761.1	1102.4	1177.1	1213.7
27.5°	47.8	53.0	61.2	75.4	170.3	420.5	796.9	1200.2	1274.9	1324.9
30°	41.8	46.3	54.5	64.2	118.0	359.2	827.5	1271.9	1377.2	1392.9
32.5°	37.3	41.1	47.1	55.3	87.4	272.6	852.2	1345.9	1434.7	1469.1
35°	32.1	36.6	40.3	47.1	66.5	205.4	837.2	1403.4	1519.1	1560.2
37.5°	28.4	31.4	35.1	39.6	56.0	160.6	806.6	1472.1	1591.6	1629.7
40°	23.9	26.1	30.6	35.1	50.8	124.0	771.5	1555.0	1693.1	1760.4
42.5°	20.2	22.4	25.4	32.9	41.8	91.9	700.6	1619.2	1775.3	1832.1
45°	15.7	18.7	23.2	32.9	33.6	68.0	627.4	1667.0	1821.6	1850.0
47.5°	11.9	14.9	22.4	28.4	26.9	47.1	540.7	1721.5	1869.4	1895.5
50°	9.0	11.9	25.4	24.6	22.4	35.8	486.2	1759.6	1872.4	1886.6
52.5°	6.0	9.0	20.9	18.7	18.7	31.4	471.3	1758.1	1879.9	1849.2
55°	4.5	6.7	11.9	13.4	16.4	27.6	457.8	1814.1	1882.1	1903.8
57.5°	3.0	5.2	8.2	10.5	14.2	23.9	430.2	1881.4	1951.6	1962.8
60°	1.5	3.7	6.0	8.2	11.9	20.9	391.4	1930.7	2036.0	2047.9
62.5°	0.7	2.2	4.5	6.7	9.7	16.4	351.0	1852.2	1999.4	2020.3
65°	0.0	1.5	3.0	4.5	6.0	11.9	285.3	1672.2	1854.5	1931.4
67.5°	0.0	0.0	1.5	3.0	3.7	9.0	215.1	1521.4	1720.8	1825.3
70°	0.0	0.0	0.7	0.7	2.2	6.7	137.4	1260.0	1536.3	1593.8
72.5°	0.0	0.0	0.0	0.0	0.7	4.5	79.9	935.8	1203.9	1310.8
75°	0.0	0.0	0.0	0.0	0.0	3.7	40.3	602.0	838.0	981.4
77.5°	0.0	0.0	0.0	0.0	0.0	3.0	21.7	388.4	617.7	737.9
80°	0.0	0.0	0.0	0.0	0.0	0.7	12.7	225.6	395.1	478.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	110.5	236.0	276.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	59.0	118.0	155.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.2	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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