

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: P671702

Luminaire Tested: **CCP-SA-1C-760-U-SLL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671702
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-760-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SLL
distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3837.3 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

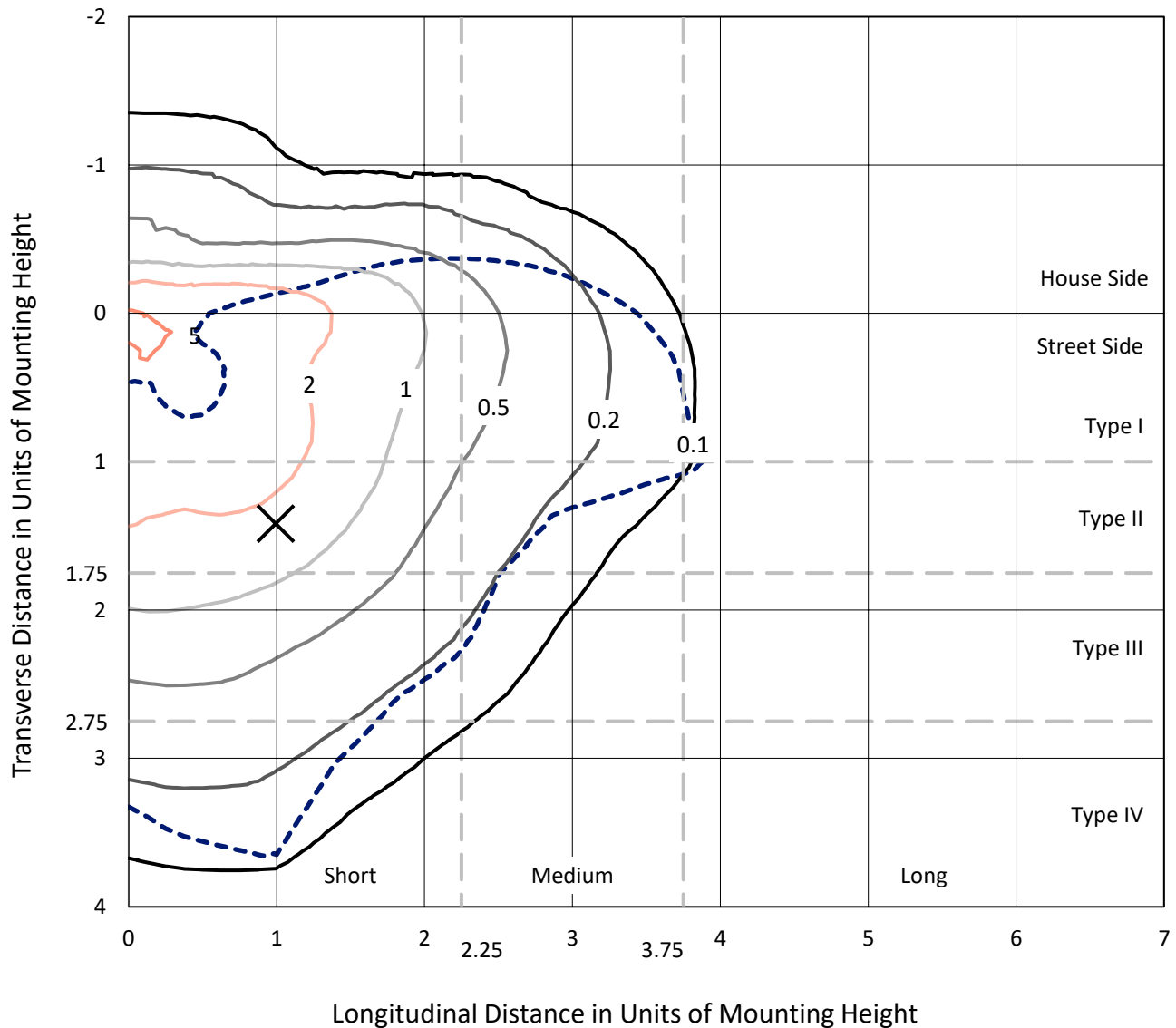
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

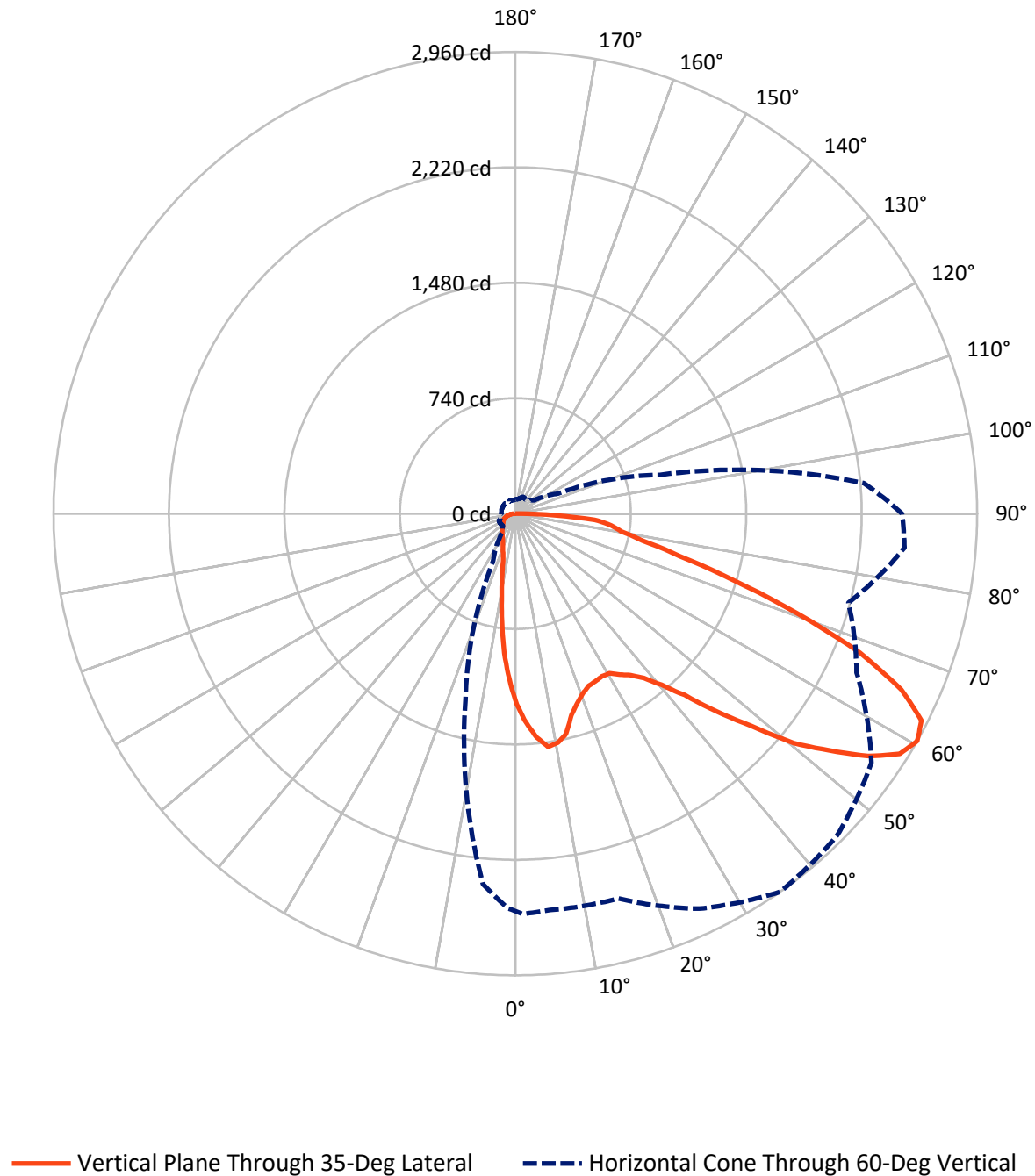


Based on 15 foot mounting height. Maximum calculated value = 6.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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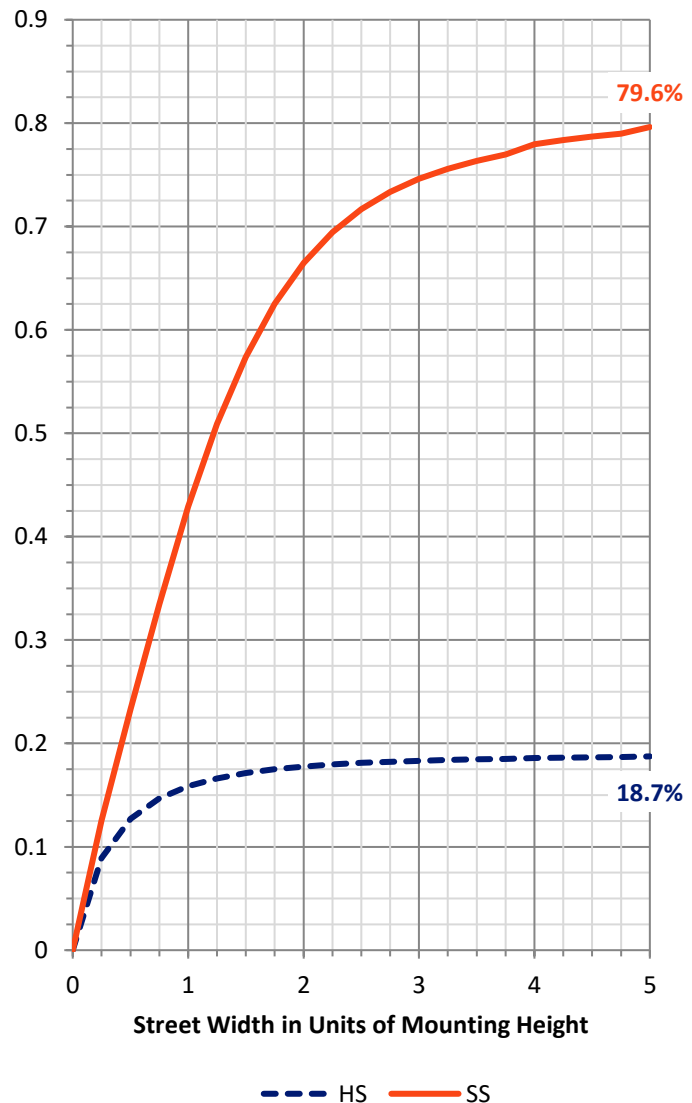
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	730.3	0.0	730.3
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	3107.0	0.0	3107.0
	% Fixture	81.0	0.0	81.0
Total	Lumens	3837.3	0.0	3837.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	2.5
10°-20°	201.0	5.2
20°-30°	294.1	7.7
30°-40°	414.4	10.8
40°-50°	569.5	14.8
50°-60°	776.2	20.2
60°-70°	849.5	22.1
70°-80°	490.5	12.8
80°-90°	146.9	3.8
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°	3837.3	100.0
0°-180°	3837.3	100.0

Coefficient of Utilization



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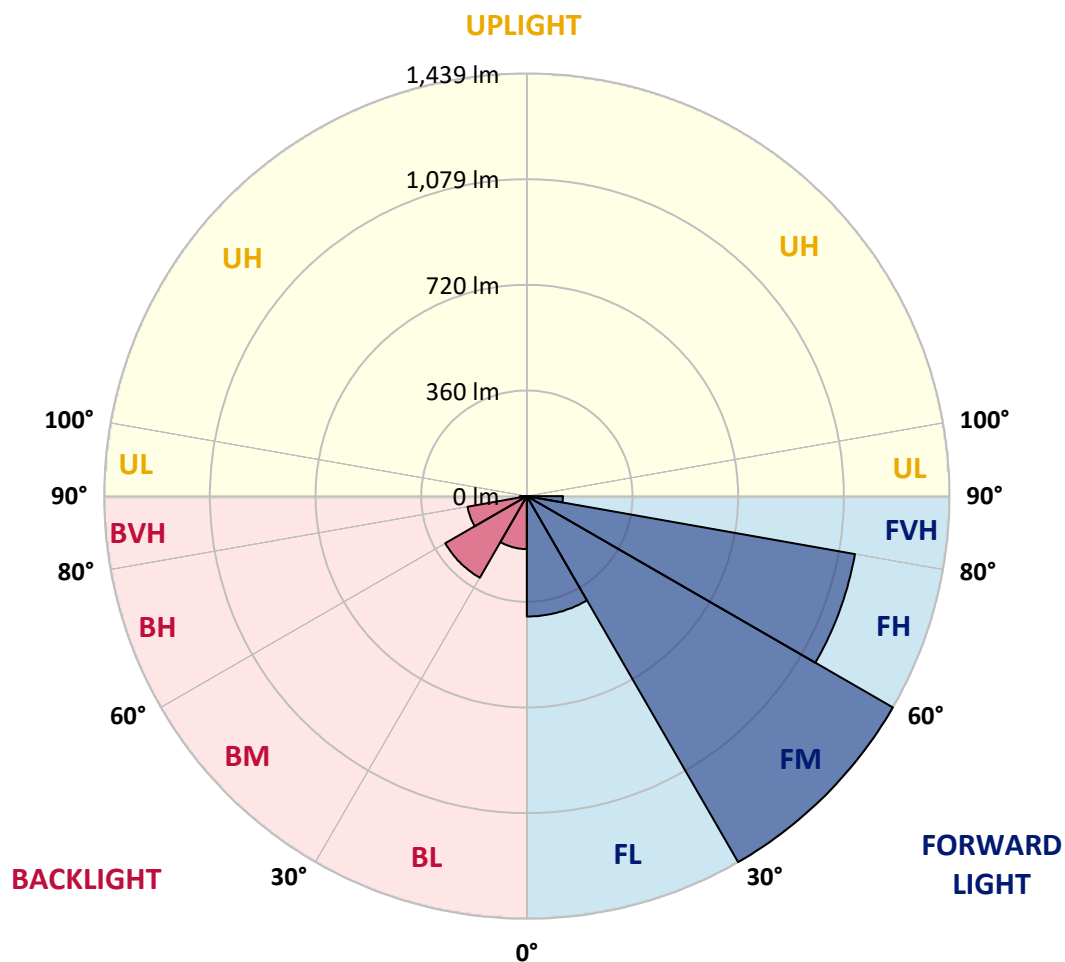
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.9	10.7			
FM	(30°-60°)	1439.3	37.5			
FH	(60°-80°)	1134.8	29.6			G1/1800
FVH	(80°-90°)	122.9	3.2			G2/225
BL	(0°-30°)	180.4	4.7	B1/500		
BM	(30°-60°)	320.8	8.4	B1/1000		
BH	(60°-80°)	205.1	5.3	B1/500		G1/500
BVH	(80°-90°)	23.9	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6
2.5°	1312.4	1307.3	1312.4	1331.2	1336.3	1344.8	1344.8	1332.9	1310.7	1300.5	1283.5
5°	1341.4	1332.9	1375.4	1414.6	1445.2	1441.8	1412.9	1389.0	1344.8	1278.4	1215.4
7.5°	1283.5	1292.0	1322.6	1424.8	1496.3	1509.9	1463.9	1416.3	1320.9	1229.0	1143.9
10°	1174.6	1186.5	1252.9	1358.4	1470.7	1492.9	1463.9	1406.1	1292.0	1178.0	1079.2
12.5°	1121.8	1149.0	1188.2	1315.8	1395.8	1448.6	1435.0	1397.5	1269.9	1135.4	1040.1
15°	1121.8	1128.6	1186.5	1293.7	1339.7	1341.4	1346.5	1353.3	1276.7	1154.1	1026.5
17.5°	1157.5	1176.3	1225.6	1292.0	1300.5	1280.1	1280.1	1309.0	1290.3	1206.9	1075.8
20°	1244.3	1237.5	1302.2	1329.5	1283.5	1232.4	1227.3	1276.7	1305.6	1263.1	1166.0
22.5°	1331.2	1361.8	1414.6	1353.3	1268.2	1200.1	1193.3	1254.6	1351.6	1360.1	1269.9
25°	1462.2	1492.9	1520.1	1445.2	1266.5	1191.6	1196.7	1244.3	1407.8	1498.0	1443.5
27.5°	1603.5	1622.2	1661.4	1545.6	1307.3	1181.4	1186.5	1258.0	1460.5	1588.2	1579.7
30°	1683.5	1703.9	1695.4	1564.4	1334.6	1188.2	1174.6	1276.7	1431.6	1588.2	1668.2
32.5°	1761.8	1749.9	1744.8	1595.0	1368.6	1230.7	1196.7	1315.8	1448.6	1613.7	1782.3
35°	1857.2	1840.1	1826.5	1654.6	1424.8	1271.6	1256.3	1366.9	1486.1	1666.5	1874.2
37.5°	1962.7	1962.7	1896.3	1698.8	1491.2	1338.0	1320.9	1440.1	1545.6	1698.8	2000.1
40°	2087.0	2092.1	1974.6	1758.4	1566.1	1443.5	1438.4	1535.4	1603.5	1746.5	2121.0
42.5°	2178.9	2182.3	2042.7	1780.6	1652.9	1589.9	1612.0	1688.6	1669.9	1789.1	2129.5
45°	2241.9	2224.8	2090.4	1843.5	1748.2	1809.5	1816.3	1838.4	1756.7	1814.6	2163.6
47.5°	2272.5	2269.1	2110.8	1916.7	1949.1	2032.5	2071.6	2041.0	1836.7	1787.4	2163.6
50°	2303.1	2274.2	2129.5	2017.2	2144.8	2313.4	2304.8	2248.7	1947.4	1821.4	2131.2
52.5°	2323.6	2298.0	2167.0	2107.4	2332.1	2522.7	2556.8	2452.9	2076.7	1884.4	2146.5
55°	2396.8	2376.3	2279.3	2229.9	2548.3	2744.0	2749.1	2604.4	2212.9	1988.2	2247.0
57.5°	2485.3	2497.2	2434.2	2403.6	2713.4	2905.7	2887.0	2716.8	2328.7	2114.2	2362.7
60°	2548.3	2567.0	2551.7	2555.1	2795.1	2960.2	2917.7	2786.6	2413.8	2209.5	2504.0
62.5°	2514.2	2551.7	2614.7	2601.0	2798.5	2921.1	2861.5	2694.7	2424.0	2333.8	2611.2
65°	2420.6	2424.0	2546.6	2621.5	2645.3	2718.5	2640.2	2502.3	2318.5	2410.4	2595.9
67.5°	2180.6	2207.8	2318.5	2464.9	2364.4	2381.4	2374.6	2175.5	2158.4	2357.6	2478.5
70°	1925.2	1944.0	2064.8	2236.8	1996.7	1916.7	1932.1	1784.0	1853.7	2194.2	2241.9
72.5°	1591.6	1603.5	1741.4	1892.9	1601.8	1458.8	1494.6	1373.7	1472.4	1920.1	1891.2
75°	1201.8	1223.9	1331.2	1509.9	1179.7	1087.7	1123.5	1074.1	1166.0	1581.4	1467.3
77.5°	854.5	837.5	970.3	1181.4	886.9	832.4	835.8	844.3	943.0	1332.9	1053.7
80°	582.2	587.3	706.4	866.4	696.2	687.7	679.2	747.3	791.5	1055.4	766.0
82.5°	345.6	345.6	476.6	616.2	549.8	619.6	580.5	641.7	619.6	776.2	502.2
85°	161.7	161.7	245.1	444.3	425.6	510.7	434.1	485.1	457.9	541.3	226.4
87.5°	27.2	23.8	49.4	217.9	175.3	199.2	78.3	258.7	287.7	377.9	56.2
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°	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6
2.5°	1264.8	1252.9	1229.0	1198.4	1172.8	1140.5	1130.3	1108.2	1077.5	1074.1	1060.5
5°	1191.6	1150.7	1099.7	1036.7	994.1	949.9	912.4	890.3	864.7	861.3	854.5
7.5°	1111.6	1060.5	975.4	900.5	827.3	757.5	723.5	680.9	652.0	629.8	619.6
10°	1036.7	989.0	883.5	781.3	716.6	670.7	629.8	585.6	549.8	522.6	512.4
12.5°	987.3	931.1	817.1	720.1	672.4	619.6	573.7	526.0	480.0	444.3	425.6
15°	965.2	912.4	796.7	689.4	619.6	546.4	493.7	446.0	389.8	364.3	355.8
17.5°	1017.9	939.6	789.8	653.7	554.9	471.5	406.8	355.8	314.9	289.4	279.2
20°	1086.0	989.0	801.8	611.1	493.7	400.0	328.5	274.1	246.8	228.1	226.4
22.5°	1172.8	1062.2	820.5	580.5	425.6	321.7	257.0	224.7	206.0	204.3	200.9
25°	1327.8	1195.0	851.1	539.6	371.1	265.6	219.6	200.9	192.4	187.2	190.7
27.5°	1460.5	1281.8	873.3	514.1	349.0	250.2	212.8	192.4	183.8	182.1	183.8
30°	1538.8	1361.8	866.4	466.4	304.7	238.3	226.4	219.6	202.6	188.9	188.9
32.5°	1610.3	1412.9	864.7	423.9	260.4	199.2	188.9	183.8	194.1	200.9	195.8
35°	1709.1	1492.9	859.6	400.0	241.7	183.8	166.8	153.2	146.4	143.0	148.1
37.5°	1814.6	1547.3	846.0	396.6	231.5	175.3	161.7	148.1	141.3	137.9	136.2
40°	1930.3	1605.2	830.7	379.6	226.4	170.2	156.6	144.7	136.2	131.1	129.4
42.5°	2005.2	1651.2	815.4	371.1	216.2	166.8	151.5	141.3	132.8	126.0	126.0
45°	2047.8	1705.7	800.1	362.6	204.3	168.5	151.5	137.9	127.7	124.3	120.9
47.5°	2066.5	1746.5	794.9	349.0	194.1	161.7	148.1	134.5	124.3	117.5	115.8
50°	2115.9	1833.3	813.7	338.7	182.1	154.9	156.6	132.8	122.6	114.1	112.3
52.5°	2144.8	1903.1	854.5	323.4	173.6	146.4	153.2	129.4	117.5	108.9	108.9
55°	2250.4	2018.9	898.8	311.5	163.4	134.5	141.3	122.6	108.9	103.8	103.8
57.5°	2384.8	2141.4	936.2	306.4	156.6	126.0	126.0	119.2	103.8	97.0	95.3
60°	2478.5	2241.9	958.4	303.0	149.8	117.5	112.3	119.2	98.7	91.9	90.2
62.5°	2488.7	2184.0	936.2	301.3	148.1	108.9	102.1	114.1	93.6	86.8	83.4
65°	2424.0	2066.5	875.0	294.5	146.4	100.4	95.3	98.7	86.8	81.7	78.3
67.5°	2294.6	1875.9	786.4	291.1	144.7	93.6	86.8	85.1	80.0	74.9	71.5
70°	1993.3	1627.3	682.6	275.8	141.3	88.5	78.3	76.6	71.5	68.1	66.4
72.5°	1673.3	1331.2	563.4	255.3	134.5	80.0	71.5	68.1	66.4	61.3	59.6
75°	1281.8	1024.8	451.1	226.4	117.5	71.5	63.0	59.6	57.9	54.5	52.8
77.5°	900.5	762.6	333.6	183.8	98.7	64.7	56.2	52.8	51.1	46.0	46.0
80°	611.1	534.5	226.4	127.7	76.6	52.8	49.4	46.0	42.6	39.2	39.2
82.5°	379.6	374.5	163.4	83.4	56.2	42.6	39.2	39.2	34.0	30.6	30.6
85°	173.6	229.8	114.1	57.9	42.6	32.3	32.3	30.6	27.2	22.1	22.1
87.5°	54.5	76.6	59.6	25.5	23.8	18.7	18.7	17.0	17.0	13.6	13.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6
2.5°	1074.1	1072.4	1072.4	1065.6	1082.6	1082.6	1092.8	1084.3	1089.4	1091.1	1104.8
5°	852.8	866.4	876.7	897.1	909.0	914.1	914.1	927.7	922.6	932.8	953.3
7.5°	624.7	641.7	672.4	697.9	718.3	725.2	723.5	726.9	732.0	720.1	723.5
10°	505.6	493.7	503.9	527.7	546.4	568.6	551.5	549.8	554.9	549.8	560.0
12.5°	422.2	408.5	400.0	400.0	413.6	423.9	418.8	427.3	446.0	451.1	463.0
15°	342.2	330.2	323.4	314.9	328.5	331.9	337.0	349.0	362.6	369.4	383.0
17.5°	274.1	274.1	274.1	267.3	272.4	277.5	279.2	294.5	296.2	303.0	308.1
20°	224.7	229.8	238.3	241.7	246.8	246.8	243.4	251.9	245.1	250.2	253.6
22.5°	202.6	209.4	212.8	214.5	221.3	223.0	214.5	216.2	217.9	212.8	214.5
25°	190.7	194.1	190.7	192.4	194.1	190.7	192.4	195.8	194.1	197.5	195.8
27.5°	185.5	182.1	180.4	178.7	178.7	175.3	177.0	177.0	180.4	182.1	182.1
30°	185.5	180.4	173.6	168.5	168.5	163.4	166.8	170.2	171.9	175.3	175.3
32.5°	190.7	180.4	168.5	163.4	158.3	154.9	158.3	163.4	170.2	171.9	173.6
35°	151.5	156.6	154.9	148.1	146.4	146.4	144.7	144.7	139.6	139.6	137.9
37.5°	136.2	134.5	137.9	139.6	141.3	136.2	136.2	129.4	127.7	129.4	129.4
40°	127.7	127.7	127.7	132.8	134.5	131.1	126.0	122.6	122.6	122.6	124.3
42.5°	124.3	120.9	119.2	122.6	127.7	124.3	119.2	117.5	117.5	119.2	119.2
45°	119.2	117.5	115.8	114.1	120.9	115.8	114.1	112.3	112.3	112.3	114.1
47.5°	114.1	112.3	108.9	108.9	110.6	108.9	107.2	107.2	107.2	110.6	110.6
50°	110.6	108.9	105.5	105.5	105.5	105.5	103.8	103.8	103.8	105.5	107.2
52.5°	105.5	103.8	102.1	100.4	100.4	100.4	100.4	100.4	100.4	102.1	103.8
55°	100.4	98.7	97.0	97.0	98.7	98.7	97.0	98.7	97.0	98.7	100.4
57.5°	95.3	93.6	91.9	93.6	95.3	93.6	93.6	93.6	93.6	93.6	95.3
60°	88.5	88.5	88.5	88.5	91.9	91.9	91.9	91.9	88.5	90.2	91.9
62.5°	85.1	83.4	83.4	85.1	86.8	86.8	88.5	86.8	85.1	86.8	86.8
65°	78.3	78.3	78.3	80.0	80.0	81.7	81.7	81.7	80.0	81.7	81.7
67.5°	73.2	73.2	73.2	73.2	76.6	76.6	76.6	76.6	74.9	74.9	76.6
70°	64.7	66.4	64.7	68.1	71.5	69.8	71.5	71.5	69.8	68.1	71.5
72.5°	59.6	59.6	59.6	59.6	64.7	64.7	64.7	66.4	64.7	63.0	64.7
75°	52.8	52.8	52.8	54.5	57.9	57.9	57.9	57.9	57.9	56.2	56.2
77.5°	46.0	47.7	46.0	47.7	51.1	49.4	51.1	52.8	51.1	49.4	49.4
80°	39.2	39.2	39.2	40.9	42.6	42.6	42.6	44.3	42.6	40.9	40.9
82.5°	30.6	30.6	32.3	32.3	34.0	34.0	34.0	35.7	34.0	32.3	32.3
85°	23.8	23.8	23.8	25.5	25.5	27.2	27.2	28.9	28.9	27.2	27.2
87.5°	15.3	13.6	15.3	15.3	17.0	17.0	15.3	13.6	15.3	13.6	11.9
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°	359°	360°
0°	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6
2.5°	1118.4	1149.0	1171.1	1186.5	1208.6	1251.2	1268.2	1298.8	1307.3	1312.4
5°	961.8	994.1	1041.8	1075.8	1115.0	1195.0	1256.3	1302.2	1322.6	1341.4
7.5°	754.1	796.7	846.0	890.3	955.0	1053.7	1133.7	1229.0	1264.8	1283.5
10°	589.0	628.1	682.6	737.1	827.3	910.7	1024.8	1111.6	1160.9	1174.6
12.5°	497.1	543.0	607.7	674.1	730.3	825.6	941.3	1067.3	1113.3	1121.8
15°	422.2	485.1	551.5	619.6	684.3	767.7	892.0	1045.2	1113.3	1121.8
17.5°	349.0	405.1	483.4	556.6	631.5	745.6	900.5	1063.9	1132.0	1157.5
20°	277.5	331.9	393.2	485.1	587.3	708.1	919.2	1126.9	1217.1	1244.3
22.5°	229.8	253.6	313.2	401.7	522.6	682.6	937.9	1225.6	1320.9	1331.2
25°	200.9	217.9	255.3	338.7	471.5	665.6	982.2	1339.7	1462.2	1462.2
27.5°	187.2	194.1	219.6	294.5	435.8	650.3	1026.5	1465.6	1579.7	1603.5
30°	183.8	200.9	214.5	262.1	396.6	607.7	1067.3	1564.4	1681.8	1683.5
32.5°	180.4	177.0	187.2	228.1	349.0	563.4	1101.4	1664.8	1756.7	1761.8
35°	141.3	148.1	165.1	200.9	313.2	531.1	1118.4	1719.3	1852.0	1857.2
37.5°	132.8	141.3	154.9	185.5	289.4	503.9	1123.5	1824.8	1952.5	1962.7
40°	129.4	136.2	146.4	171.9	270.7	469.8	1133.7	1933.8	2100.6	2087.0
42.5°	122.6	131.1	141.3	165.1	255.3	444.3	1135.4	1993.3	2178.9	2178.9
45°	120.9	126.0	137.9	165.1	238.3	422.2	1108.2	2052.9	2269.1	2241.9
47.5°	114.1	124.3	134.5	160.0	217.9	400.0	1075.8	2083.6	2281.0	2272.5
50°	112.3	122.6	139.6	151.5	206.0	389.8	1069.0	2160.2	2304.8	2303.1
52.5°	108.9	119.2	144.7	144.7	190.7	376.2	1101.4	2194.2	2309.9	2323.6
55°	103.8	119.2	134.5	132.8	177.0	359.2	1137.1	2282.7	2400.2	2396.8
57.5°	100.4	115.8	127.7	120.9	161.7	347.3	1189.9	2367.8	2509.1	2485.3
60°	95.3	115.8	114.1	112.3	149.8	337.0	1234.1	2384.8	2532.9	2548.3
62.5°	91.9	120.9	100.4	103.8	139.6	331.9	1215.4	2257.2	2500.6	2514.2
65°	88.5	103.8	91.9	95.3	136.2	321.7	1142.2	2104.0	2361.0	2420.6
67.5°	81.7	85.1	85.1	88.5	132.8	297.9	992.4	1828.2	2148.2	2180.6
70°	74.9	76.6	76.6	81.7	129.4	270.7	818.8	1581.4	1864.0	1925.2
72.5°	68.1	68.1	68.1	74.9	119.2	248.5	674.1	1215.4	1549.0	1591.6
75°	59.6	59.6	59.6	66.4	107.2	226.4	531.1	903.9	1140.5	1201.8
77.5°	52.8	52.8	51.1	59.6	93.6	183.8	383.0	638.3	803.5	854.5
80°	44.3	42.6	42.6	47.7	73.2	132.8	246.8	451.1	560.0	582.2
82.5°	35.7	34.0	32.3	35.7	52.8	83.4	153.2	314.9	359.2	345.6
85°	34.0	35.7	28.9	27.2	37.4	54.5	97.0	194.1	161.7	161.7
87.5°	13.6	11.9	11.9	10.2	18.7	20.4	42.6	35.7	27.2	27.2
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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