

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: P675899

Luminaire Tested: **CCW-SA-1C-835-U-SLL**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675899  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-835-U-SLL  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
SLL distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

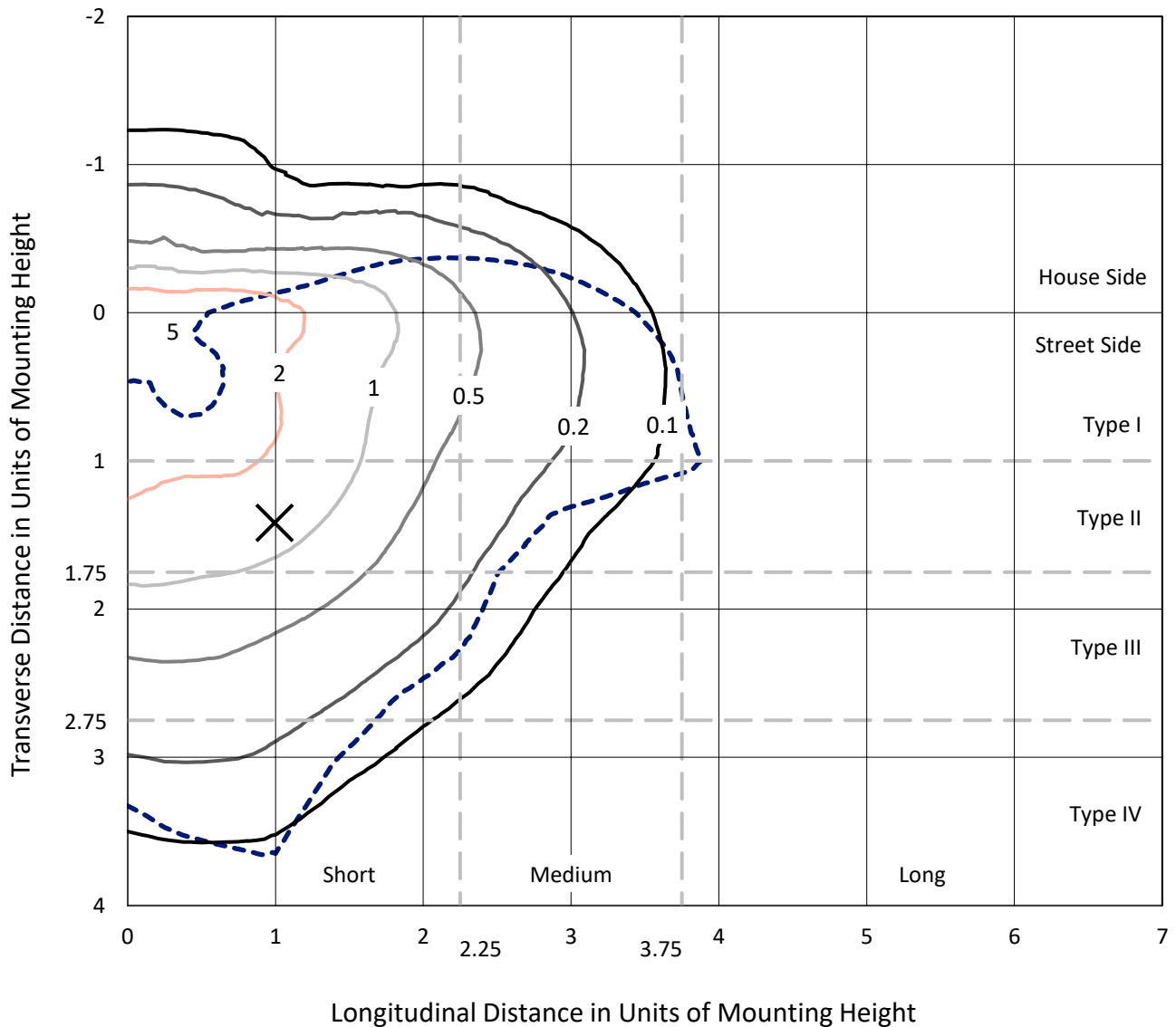
Lumens per Lamp: N/A  
Luminaire Lumens: 3091.1 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

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

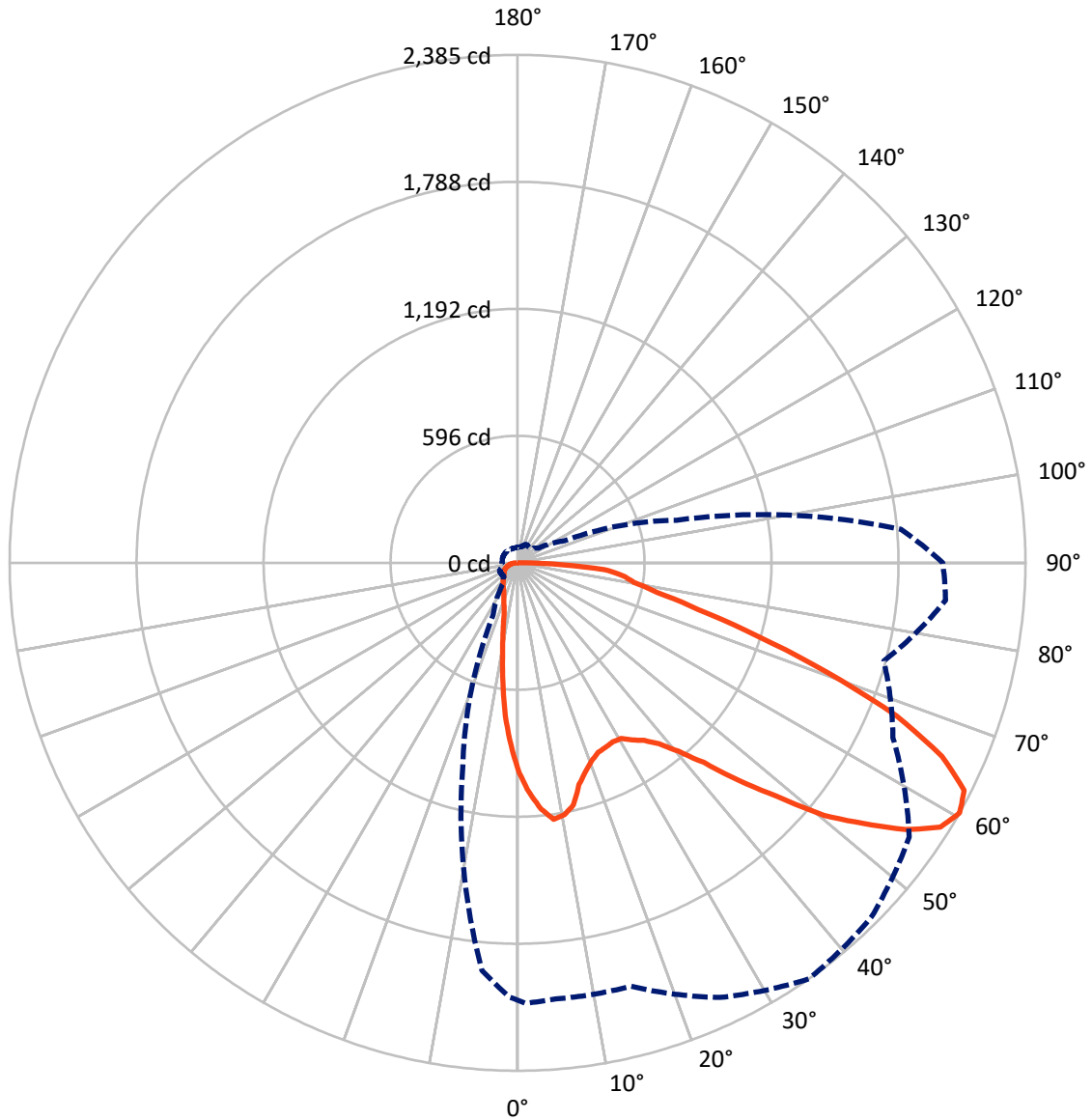
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	588.3	0.0	588.3
	% Fixture	19.0	0.0	19.0
<b>Street Side</b>	Lumens	2502.9	0.0	2502.9
	% Fixture	81.0	0.0	81.0
<b>Total</b>	Lumens	3091.1	0.0	3091.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	2.5
10°-20°	161.9	5.2
20°-30°	236.9	7.7
30°-40°	333.8	10.8
40°-50°	458.8	14.8
50°-60°	625.3	20.2
60°-70°	684.3	22.1
70°-80°	395.1	12.8
80°-90°	118.3	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°	3091.1	100.0
0°-180°	3091.1	100.0

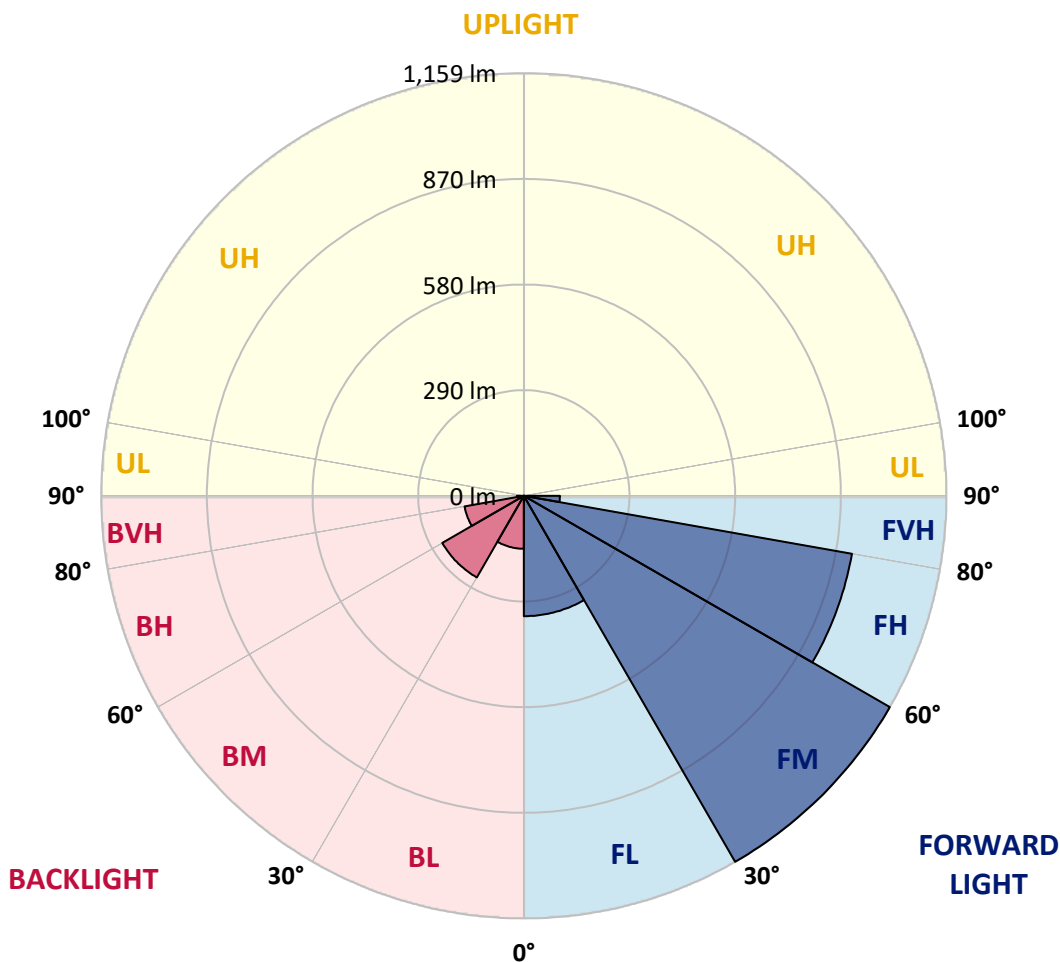


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.2	10.7			
FM (30°-60°)	1159.4	37.5			
FH (60°-80°)	914.2	29.6			G1/1800
FVH (80°-90°)	99.0	3.2			G1/100
BL (0°-30°)	145.3	4.7	B1/500		
BM (30°-60°)	258.4	8.4	B1/1000		
BH (60°-80°)	165.2	5.3	B1/500		G1/500
BVH (80°-90°)	19.3	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-G1**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	1057.2	1053.1	1057.2	1072.3	1076.4	1083.3	1083.3	1073.7	1055.9	1047.6	1033.9
5°	1080.5	1073.7	1108.0	1139.5	1164.2	1161.4	1138.1	1118.9	1083.3	1029.8	979.1
7.5°	1033.9	1040.8	1065.5	1147.7	1205.3	1216.3	1179.3	1140.9	1064.1	990.0	921.5
10°	946.2	955.8	1009.2	1094.3	1184.8	1202.6	1179.3	1132.7	1040.8	948.9	869.4
12.5°	903.7	925.6	957.1	1060.0	1124.4	1166.9	1156.0	1125.8	1023.0	914.6	837.8
15°	903.7	909.1	955.8	1042.1	1079.2	1080.5	1084.7	1090.1	1028.4	929.7	826.9
17.5°	932.4	947.5	987.3	1040.8	1047.6	1031.2	1031.2	1054.5	1039.4	972.2	866.6
20°	1002.4	996.9	1049.0	1070.9	1033.9	992.8	988.7	1028.4	1051.7	1017.5	939.3
22.5°	1072.3	1097.0	1139.5	1090.1	1021.6	966.7	961.2	1010.6	1088.8	1095.6	1023.0
25°	1177.9	1202.6	1224.5	1164.2	1020.2	959.9	964.0	1002.4	1134.0	1206.7	1162.8
27.5°	1291.7	1306.8	1338.3	1245.1	1053.1	951.6	955.8	1013.4	1176.5	1279.4	1272.5
30°	1356.2	1372.6	1365.8	1260.2	1075.1	957.1	946.2	1028.4	1153.2	1279.4	1343.8
32.5°	1419.2	1409.6	1405.5	1284.9	1102.5	991.4	964.0	1060.0	1166.9	1299.9	1435.7
35°	1496.0	1482.3	1471.4	1332.9	1147.7	1024.3	1012.0	1101.1	1197.1	1342.5	1509.7
37.5°	1581.1	1581.1	1527.6	1368.5	1201.2	1077.8	1064.1	1160.1	1245.1	1368.5	1611.2
40°	1681.2	1685.3	1590.6	1416.5	1261.5	1162.8	1158.7	1236.9	1291.7	1406.9	1708.6
42.5°	1755.2	1757.9	1645.5	1434.3	1331.5	1280.7	1298.6	1360.3	1345.2	1441.2	1715.4
45°	1805.9	1792.2	1683.9	1485.1	1408.3	1457.6	1463.1	1480.9	1415.1	1461.8	1742.9
47.5°	1830.6	1827.9	1700.3	1544.0	1570.1	1637.3	1668.8	1644.1	1479.6	1439.8	1742.9
50°	1855.3	1832.0	1715.4	1624.9	1727.8	1863.5	1856.7	1811.4	1568.7	1467.2	1716.8
52.5°	1871.8	1851.2	1745.6	1697.6	1878.6	2032.2	2059.6	1976.0	1672.9	1518.0	1729.1
55°	1930.7	1914.3	1836.1	1796.3	2052.8	2210.5	2214.6	2098.0	1782.6	1601.6	1810.0
57.5°	2002.0	2011.6	1960.9	1936.2	2185.8	2340.7	2325.6	2188.5	1875.9	1703.1	1903.3
60°	2052.8	2067.8	2055.5	2058.2	2251.6	2384.6	2350.3	2244.7	1944.4	1779.9	2017.1
62.5°	2025.3	2055.5	2106.2	2095.3	2254.3	2353.1	2305.1	2170.7	1952.7	1880.0	2103.5
65°	1949.9	1952.7	2051.4	2111.7	2130.9	2189.9	2126.8	2015.7	1867.6	1941.7	2091.2
67.5°	1756.6	1778.5	1867.6	1985.6	1904.7	1918.4	1912.9	1752.5	1738.7	1899.2	1996.5
70°	1550.9	1566.0	1663.3	1801.8	1608.5	1544.0	1556.4	1437.1	1493.3	1767.5	1805.9
72.5°	1282.1	1291.7	1402.8	1524.8	1290.3	1175.2	1204.0	1106.6	1186.1	1546.8	1523.5
75°	968.1	985.9	1072.3	1216.3	950.3	876.2	905.0	865.3	939.3	1273.9	1182.0
77.5°	688.4	674.7	781.6	951.6	714.4	670.5	673.3	680.1	759.7	1073.7	848.8
80°	469.0	473.1	569.1	698.0	560.8	554.0	547.1	602.0	637.6	850.2	617.1
82.5°	278.4	278.4	383.9	496.4	442.9	499.1	467.6	517.0	499.1	625.3	404.5
85°	130.3	130.3	197.5	357.9	342.8	411.4	349.7	390.8	368.9	436.1	182.4
87.5°	21.9	19.2	39.8	175.5	141.2	160.4	63.1	208.4	231.7	304.4	45.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	1018.8	1009.2	990.0	965.4	944.8	918.7	910.5	892.7	868.0	865.3	854.3
5°	959.9	927.0	885.8	835.1	800.8	765.2	735.0	717.2	696.6	693.9	688.4
7.5°	895.4	854.3	785.7	725.4	666.4	610.2	582.8	548.5	525.2	507.4	499.1
10°	835.1	796.7	711.7	629.4	577.3	540.3	507.4	471.7	442.9	421.0	412.7
12.5°	795.3	750.1	658.2	580.0	541.6	499.1	462.1	423.7	386.7	357.9	342.8
15°	777.5	735.0	641.7	555.4	499.1	440.2	397.7	359.3	314.0	293.4	286.6
17.5°	820.0	756.9	636.3	526.6	447.0	379.8	327.7	286.6	253.7	233.1	224.9
20°	874.9	796.7	645.9	492.3	397.7	322.2	264.7	220.8	198.8	183.7	182.4
22.5°	944.8	855.7	660.9	467.6	342.8	259.2	207.1	181.0	165.9	164.5	161.8
25°	1069.6	962.6	685.6	434.7	298.9	213.9	176.9	161.8	155.0	150.8	153.6
27.5°	1176.5	1032.6	703.5	414.1	281.1	201.6	171.4	155.0	148.1	146.7	148.1
30°	1239.6	1097.0	698.0	375.7	245.5	192.0	182.4	176.9	163.2	152.2	152.2
32.5°	1297.2	1138.1	696.6	341.4	209.8	160.4	152.2	148.1	156.3	161.8	157.7
35°	1376.7	1202.6	692.5	322.2	194.7	148.1	134.4	123.4	117.9	115.2	119.3
37.5°	1461.8	1246.5	681.5	319.5	186.5	141.2	130.3	119.3	113.8	111.1	109.7
40°	1555.0	1293.1	669.2	305.8	182.4	137.1	126.2	116.6	109.7	105.6	104.2
42.5°	1615.3	1330.1	656.8	298.9	174.1	134.4	122.0	113.8	107.0	101.5	101.5
45°	1649.6	1374.0	644.5	292.1	164.5	135.8	122.0	111.1	102.8	100.1	97.4
47.5°	1664.7	1406.9	640.4	281.1	156.3	130.3	119.3	108.3	100.1	94.6	93.2
50°	1704.5	1476.8	655.5	272.9	146.7	124.8	126.2	107.0	98.7	91.9	90.5
52.5°	1727.8	1533.1	688.4	260.5	139.9	117.9	123.4	104.2	94.6	87.8	87.8
55°	1812.8	1626.3	724.0	250.9	131.6	108.3	113.8	98.7	87.8	83.6	83.6
57.5°	1921.1	1725.0	754.2	246.8	126.2	101.5	101.5	96.0	83.6	78.2	76.8
60°	1996.5	1805.9	772.0	244.1	120.7	94.6	90.5	96.0	79.5	74.0	72.7
62.5°	2004.8	1759.3	754.2	242.7	119.3	87.8	82.3	91.9	75.4	69.9	67.2
65°	1952.7	1664.7	704.8	237.2	117.9	80.9	76.8	79.5	69.9	65.8	63.1
67.5°	1848.4	1511.1	633.5	234.5	116.6	75.4	69.9	68.6	64.4	60.3	57.6
70°	1605.7	1310.9	549.9	222.1	113.8	71.3	63.1	61.7	57.6	54.8	53.5
72.5°	1347.9	1072.3	453.9	205.7	108.3	64.4	57.6	54.8	53.5	49.4	48.0
75°	1032.6	825.5	363.4	182.4	94.6	57.6	50.7	48.0	46.6	43.9	42.5
77.5°	725.4	614.3	268.8	148.1	79.5	52.1	45.3	42.5	41.1	37.0	37.0
80°	492.3	430.6	182.4	102.8	61.7	42.5	39.8	37.0	34.3	31.5	31.5
82.5°	305.8	301.7	131.6	67.2	45.3	34.3	31.5	31.5	27.4	24.7	24.7
85°	139.9	185.1	91.9	46.6	34.3	26.1	26.1	24.7	21.9	17.8	17.8
87.5°	43.9	61.7	48.0	20.6	19.2	15.1	15.1	13.7	13.7	11.0	11.0
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°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	865.3	863.9	863.9	858.4	872.1	872.1	880.3	873.5	877.6	879.0	889.9
5°	687.0	698.0	706.2	722.6	732.2	736.4	736.4	747.3	743.2	751.4	767.9
7.5°	503.2	517.0	541.6	562.2	578.7	584.2	582.8	585.5	589.6	580.0	582.8
10°	407.3	397.7	405.9	425.1	440.2	458.0	444.3	442.9	447.0	442.9	451.1
12.5°	340.1	329.1	322.2	322.2	333.2	341.4	337.3	344.2	359.3	363.4	373.0
15°	275.6	266.0	260.5	253.7	264.7	267.4	271.5	281.1	292.1	297.6	308.5
17.5°	220.8	220.8	220.8	215.3	219.4	223.5	224.9	237.2	238.6	244.1	248.2
20°	181.0	185.1	192.0	194.7	198.8	198.8	196.1	202.9	197.5	201.6	204.3
22.5°	163.2	168.7	171.4	172.8	178.3	179.6	172.8	174.1	175.5	171.4	172.8
25°	153.6	156.3	153.6	155.0	156.3	153.6	155.0	157.7	156.3	159.1	157.7
27.5°	149.5	146.7	145.4	144.0	144.0	141.2	142.6	142.6	145.4	146.7	146.7
30°	149.5	145.4	139.9	135.8	135.8	131.6	134.4	137.1	138.5	141.2	141.2
32.5°	153.6	145.4	135.8	131.6	127.5	124.8	127.5	131.6	137.1	138.5	139.9
35°	122.0	126.2	124.8	119.3	117.9	117.9	116.6	116.6	112.4	112.4	111.1
37.5°	109.7	108.3	111.1	112.4	113.8	109.7	109.7	104.2	102.8	104.2	104.2
40°	102.8	102.8	102.8	107.0	108.3	105.6	101.5	98.7	98.7	98.7	100.1
42.5°	100.1	97.4	96.0	98.7	102.8	100.1	96.0	94.6	94.6	96.0	96.0
45°	96.0	94.6	93.2	91.9	97.4	93.2	91.9	90.5	90.5	90.5	91.9
47.5°	91.9	90.5	87.8	87.8	89.1	87.8	86.4	86.4	86.4	89.1	89.1
50°	89.1	87.8	85.0	85.0	85.0	85.0	83.6	83.6	83.6	85.0	86.4
52.5°	85.0	83.6	82.3	80.9	80.9	80.9	80.9	80.9	80.9	82.3	83.6
55°	80.9	79.5	78.2	78.2	79.5	79.5	78.2	79.5	78.2	79.5	80.9
57.5°	76.8	75.4	74.0	75.4	76.8	75.4	75.4	75.4	75.4	75.4	76.8
60°	71.3	71.3	71.3	71.3	74.0	74.0	74.0	74.0	71.3	72.7	74.0
62.5°	68.6	67.2	67.2	68.6	69.9	69.9	71.3	69.9	68.6	69.9	69.9
65°	63.1	63.1	63.1	64.4	64.4	65.8	65.8	65.8	64.4	65.8	65.8
67.5°	59.0	59.0	59.0	59.0	61.7	61.7	61.7	61.7	60.3	60.3	61.7
70°	52.1	53.5	52.1	54.8	57.6	56.2	57.6	57.6	56.2	54.8	57.6
72.5°	48.0	48.0	48.0	48.0	52.1	52.1	52.1	53.5	52.1	50.7	52.1
75°	42.5	42.5	42.5	43.9	46.6	46.6	46.6	46.6	46.6	45.3	45.3
77.5°	37.0	38.4	37.0	38.4	41.1	39.8	41.1	42.5	41.1	39.8	39.8
80°	31.5	31.5	31.5	32.9	34.3	34.3	34.3	35.7	34.3	32.9	32.9
82.5°	24.7	24.7	26.1	26.1	27.4	27.4	27.4	28.8	27.4	26.1	26.1
85°	19.2	19.2	19.2	20.6	20.6	21.9	21.9	23.3	23.3	21.9	21.9
87.5°	12.3	11.0	12.3	12.3	13.7	13.7	12.3	11.0	12.3	11.0	9.6
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3	987.3
2.5°	900.9	925.6	943.4	955.8	973.6	1007.9	1021.6	1046.3	1053.1	1057.2
5°	774.8	800.8	839.2	866.6	898.2	962.6	1012.0	1049.0	1065.5	1080.5
7.5°	607.5	641.7	681.5	717.2	769.3	848.8	913.3	990.0	1018.8	1033.9
10°	474.5	506.0	549.9	593.8	666.4	733.6	825.5	895.4	935.2	946.2
12.5°	400.4	437.4	489.5	543.0	588.3	665.1	758.3	859.8	896.8	903.7
15°	340.1	390.8	444.3	499.1	551.2	618.4	718.5	841.9	896.8	903.7
17.5°	281.1	326.4	389.4	448.4	508.7	600.6	725.4	857.0	911.9	932.4
20°	223.5	267.4	316.8	390.8	473.1	570.4	740.5	907.8	980.4	1002.4
22.5°	185.1	204.3	252.3	323.6	421.0	549.9	755.6	987.3	1064.1	1072.3
25°	161.8	175.5	205.7	272.9	379.8	536.2	791.2	1079.2	1177.9	1177.9
27.5°	150.8	156.3	176.9	237.2	351.0	523.8	826.9	1180.6	1272.5	1291.7
30°	148.1	161.8	172.8	211.2	319.5	489.5	859.8	1260.2	1354.8	1356.2
32.5°	145.4	142.6	150.8	183.7	281.1	453.9	887.2	1341.1	1415.1	1419.2
35°	113.8	119.3	133.0	161.8	252.3	427.8	900.9	1385.0	1491.9	1496.0
37.5°	107.0	113.8	124.8	149.5	233.1	405.9	905.0	1470.0	1572.8	1581.1
40°	104.2	109.7	117.9	138.5	218.0	378.5	913.3	1557.7	1692.1	1681.2
42.5°	98.7	105.6	113.8	133.0	205.7	357.9	914.6	1605.7	1755.2	1755.2
45°	97.4	101.5	111.1	133.0	192.0	340.1	892.7	1653.7	1827.9	1805.9
47.5°	91.9	100.1	108.3	128.9	175.5	322.2	866.6	1678.4	1837.5	1830.6
50°	90.5	98.7	112.4	122.0	165.9	314.0	861.1	1740.1	1856.7	1855.3
52.5°	87.8	96.0	116.6	116.6	153.6	303.0	887.2	1767.5	1860.8	1871.8
55°	83.6	96.0	108.3	107.0	142.6	289.3	916.0	1838.8	1933.5	1930.7
57.5°	80.9	93.2	102.8	97.4	130.3	279.7	958.5	1907.4	2021.2	2002.0
60°	76.8	93.2	91.9	90.5	120.7	271.5	994.2	1921.1	2040.4	2052.8
62.5°	74.0	97.4	80.9	83.6	112.4	267.4	979.1	1818.3	2014.4	2025.3
65°	71.3	83.6	74.0	76.8	109.7	259.2	920.1	1694.9	1901.9	1949.9
67.5°	65.8	68.6	68.6	71.3	107.0	240.0	799.4	1472.7	1730.5	1756.6
70°	60.3	61.7	61.7	65.8	104.2	218.0	659.6	1273.9	1501.5	1550.9
72.5°	54.8	54.8	54.8	60.3	96.0	200.2	543.0	979.1	1247.8	1282.1
75°	48.0	48.0	48.0	53.5	86.4	182.4	427.8	728.1	918.7	968.1
77.5°	42.5	42.5	41.1	48.0	75.4	148.1	308.5	514.2	647.2	688.4
80°	35.7	34.3	34.3	38.4	59.0	107.0	198.8	363.4	451.1	469.0
82.5°	28.8	27.4	26.1	28.8	42.5	67.2	123.4	253.7	289.3	278.4
85°	27.4	28.8	23.3	21.9	30.2	43.9	78.2	156.3	130.3	130.3
87.5°	11.0	9.6	9.6	8.2	15.1	16.5	34.3	28.8	21.9	21.9
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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