

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: P676265

Luminaire Tested: **CCW-SA-1C-735-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676265
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

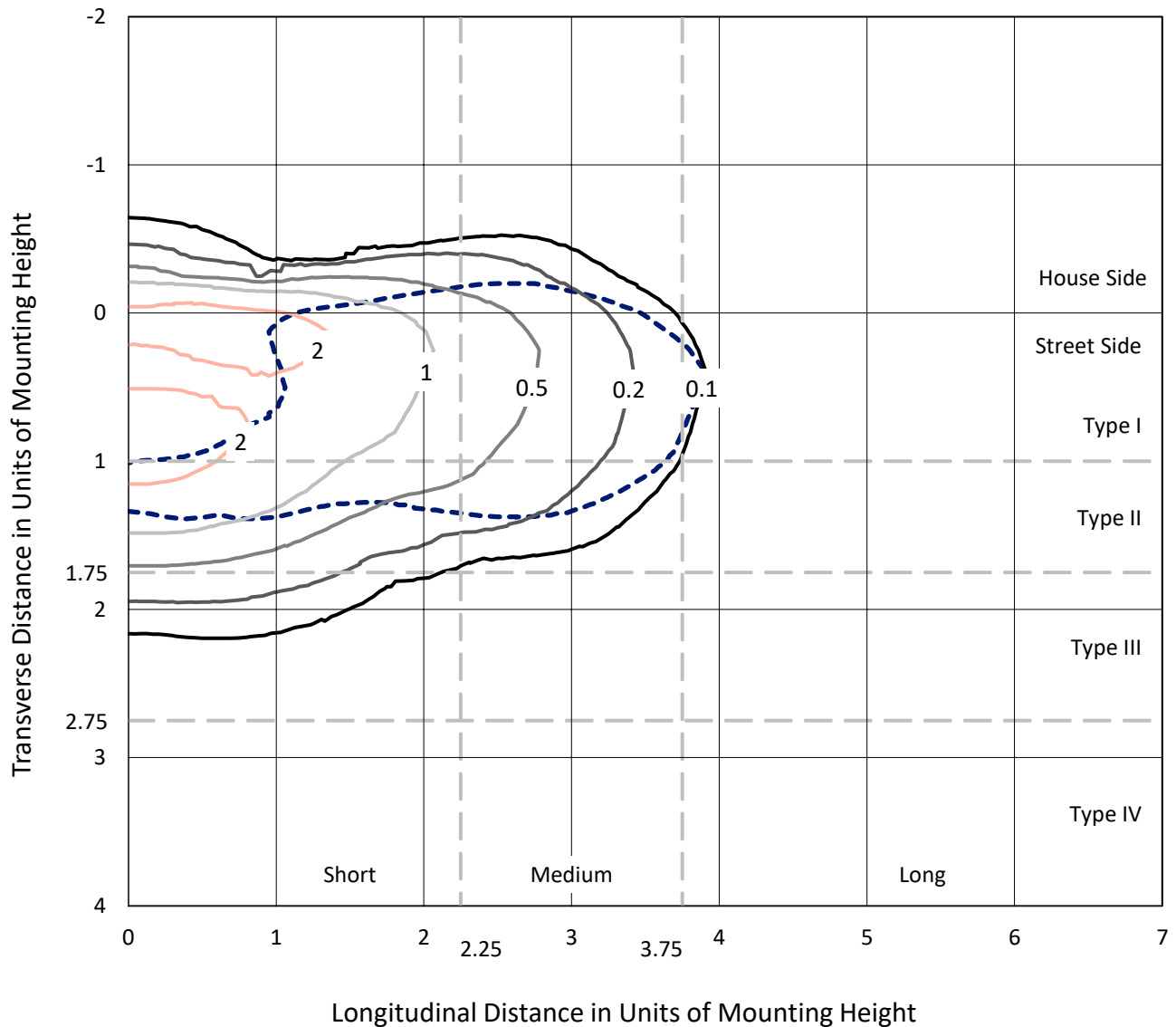
Lumens per Lamp: N/A
Luminaire Lumens: 3442.8 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

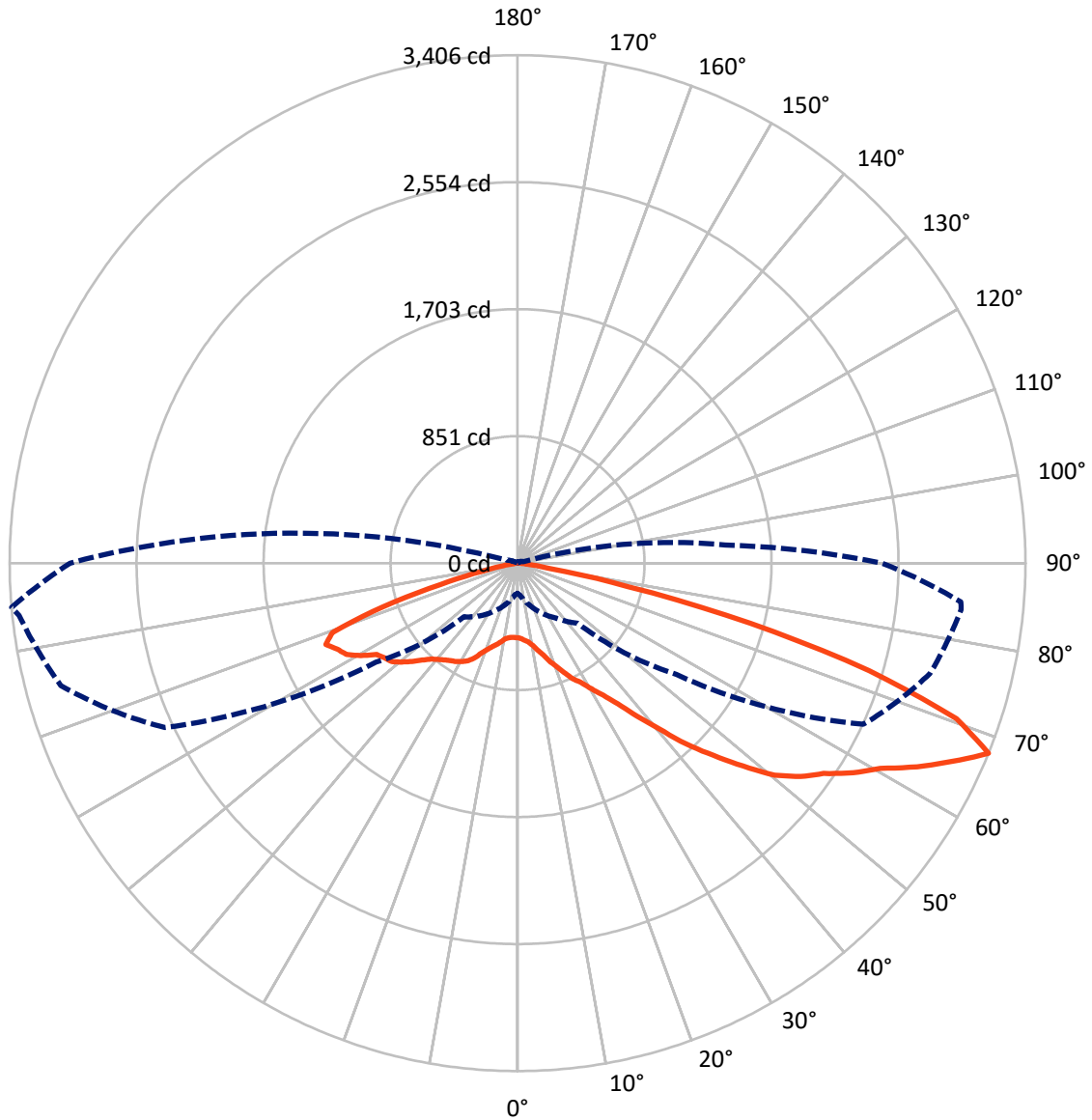
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.1	0.0	489.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	2953.7	0.0	2953.7
	% Fixture	85.8	0.0	85.8
Total	Lumens	3442.8	0.0	3442.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.3
10°-20°	122.8	3.6
20°-30°	203.9	5.9
30°-40°	350.7	10.2
40°-50°	630.3	18.3
50°-60°	897.3	26.1
60°-70°	818.0	23.8
70°-80°	348.3	10.1
80°-90°	25.9	0.8
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°	3442.8	100.0
0°-180°	3442.8	100.0



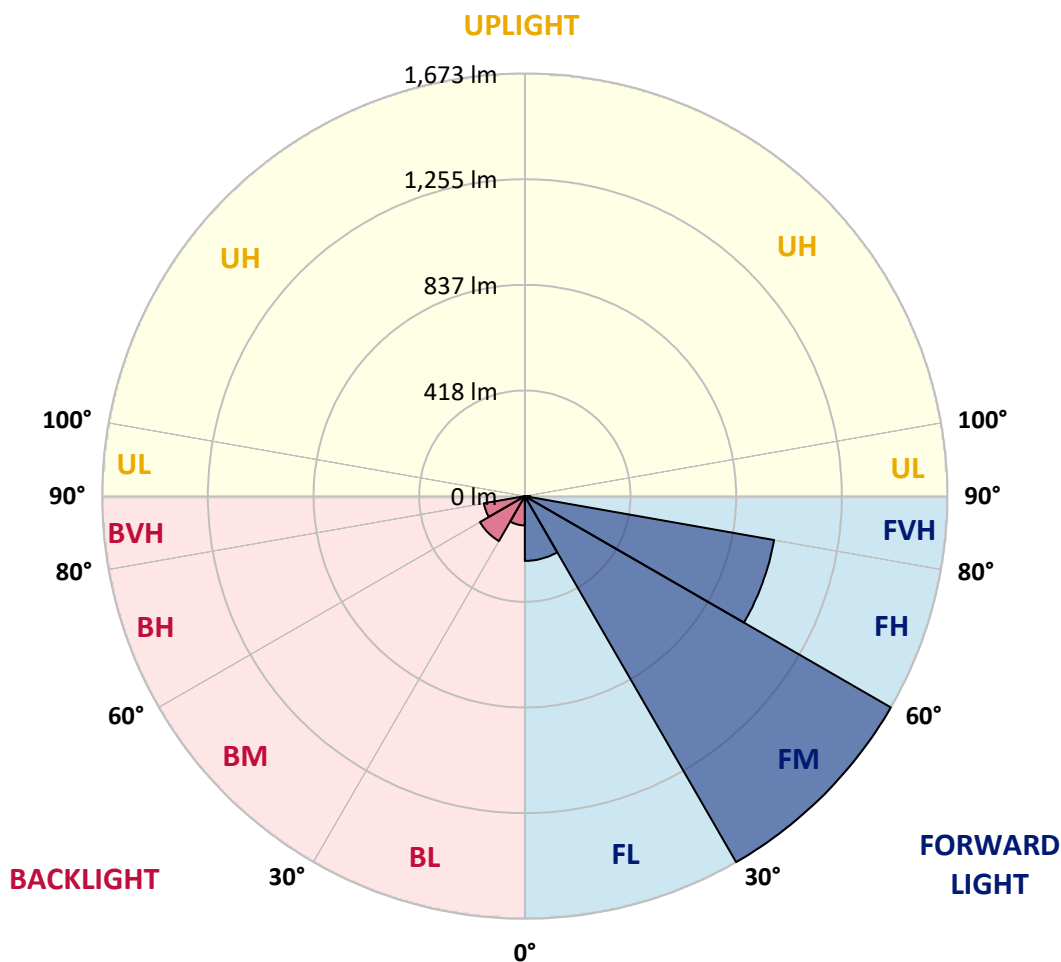
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.5	7.4			
FM (30°-60°)	1673.2	48.6			
FH (60°-80°)	1002.0	29.1			G1/1800
FVH (80°-90°)	22.0	0.6			G1/100
BL (0°-30°)	115.8	3.4	B1/500		
BM (30°-60°)	205.1	6.0	B0/220		
BH (60°-80°)	164.3	4.8	B1/500		G1/500
BVH (80°-90°)	3.9	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6
2.5°	518.7	523.6	523.6	522.0	517.0	513.8	512.1	508.8	505.6	505.6	507.2
5°	523.6	518.7	525.2	517.0	517.0	517.0	523.6	520.3	518.7	510.5	510.5
7.5°	523.6	518.7	518.7	523.6	518.7	522.0	530.2	526.9	533.5	518.7	522.0
10°	508.8	507.2	510.5	517.0	518.7	525.2	533.5	549.9	551.5	541.7	540.0
12.5°	479.3	477.6	489.1	492.4	512.1	528.5	553.2	566.3	581.1	576.1	566.3
15°	458.0	461.2	469.4	482.6	500.6	530.2	558.1	587.6	613.9	607.3	604.0
17.5°	466.2	464.5	466.2	474.4	497.3	526.9	574.5	609.0	646.7	646.7	650.0
20°	490.8	495.7	494.1	489.1	500.6	525.2	574.5	635.2	697.6	692.7	692.7
22.5°	533.5	535.1	525.2	522.0	520.3	535.1	584.3	668.1	740.3	750.1	746.8
25°	577.8	579.4	576.1	566.3	553.2	556.4	602.4	694.3	799.4	815.8	812.5
27.5°	651.6	650.0	641.8	630.3	610.6	595.8	630.3	714.0	845.3	873.2	865.0
30°	725.5	720.6	709.1	694.3	676.3	648.4	664.8	751.8	902.8	929.0	911.0
32.5°	815.8	805.9	809.2	786.2	748.5	704.2	700.9	786.2	948.7	986.5	971.7
35°	930.7	919.2	902.8	881.4	845.3	786.2	768.2	842.0	1025.9	1053.8	1053.8
37.5°	1081.7	1093.2	1073.5	984.8	945.4	889.6	851.9	899.5	1093.2	1160.5	1144.1
40°	1236.0	1245.8	1209.7	1144.1	1058.7	989.8	966.8	993.1	1194.9	1275.4	1244.2
42.5°	1360.7	1373.9	1360.7	1275.4	1208.1	1119.4	1078.4	1103.0	1326.3	1423.1	1382.1
45°	1492.0	1505.2	1490.4	1434.6	1368.9	1318.0	1214.6	1245.8	1464.1	1608.6	1562.6
47.5°	1590.5	1606.9	1580.7	1569.2	1516.7	1508.5	1332.8	1367.3	1608.6	1795.7	1738.2
50°	1613.5	1631.6	1654.5	1667.7	1649.6	1669.3	1492.0	1521.6	1759.6	1968.0	1912.2
52.5°	1559.3	1577.4	1628.3	1689.0	1772.7	1831.8	1652.9	1677.5	1917.2	2110.8	2081.3
55°	1400.1	1416.5	1519.9	1602.0	1802.3	1899.1	1807.2	1910.6	2030.4	2260.2	2188.0
57.5°	1132.6	1152.3	1288.5	1414.9	1703.8	1861.4	1899.1	2104.3	2217.5	2370.2	2286.5
60°	804.3	815.8	934.0	1157.2	1431.3	1672.6	1881.1	2248.7	2365.3	2517.9	2473.6
62.5°	462.9	472.7	595.8	805.9	1080.0	1396.8	1800.6	2385.0	2524.5	2680.4	2655.8
65°	306.9	310.2	393.9	508.8	702.5	1029.2	1597.1	2506.4	2682.1	2810.1	2782.2
67.5°	201.9	219.9	285.6	364.4	449.7	569.6	1301.6	2557.3	2862.6	2990.6	2984.1
70°	144.4	151.0	205.2	280.7	338.1	320.1	761.6	2197.8	2854.4	3039.9	2985.7
72.5°	85.4	91.9	136.2	210.1	265.9	203.5	356.2	1554.4	2365.3	2426.0	2411.2
75°	62.4	62.4	83.7	151.0	193.7	146.1	167.4	983.2	1570.8	1705.4	1703.8
77.5°	44.3	46.0	57.4	90.3	149.4	106.7	91.9	546.6	858.5	938.9	894.6
80°	26.3	27.9	39.4	54.2	108.3	77.1	60.7	249.5	329.9	333.2	316.8
82.5°	19.7	19.7	26.3	37.8	75.5	52.5	37.8	95.2	106.7	96.8	82.1
85°	11.5	9.8	19.7	27.9	44.3	29.5	26.3	44.3	49.2	36.1	32.8
87.5°	3.3	3.3	8.2	9.8	19.7	16.4	11.5	16.4	23.0	13.1	9.8
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°	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6
2.5°	503.9	499.0	490.8	487.5	476.0	471.1	467.8	459.6	461.2	456.3	456.3
5°	499.0	499.0	482.6	464.5	446.5	435.0	421.8	405.4	405.4	398.9	400.5
7.5°	517.0	503.9	482.6	449.7	420.2	393.9	382.4	366.0	356.2	351.3	351.3
10°	528.5	515.4	479.3	439.9	402.1	369.3	344.7	321.7	308.6	308.6	306.9
12.5°	559.7	540.0	492.4	438.3	382.4	333.2	295.5	269.2	251.1	238.0	241.3
15°	586.0	564.6	499.0	425.1	348.0	279.0	233.1	183.8	159.2	146.1	141.2
17.5°	627.0	587.6	513.8	402.1	295.5	218.3	151.0	110.0	100.1	98.5	98.5
20°	661.5	615.5	515.4	357.8	242.9	139.5	96.8	90.3	85.4	83.7	82.1
22.5°	709.1	651.6	508.8	306.9	174.0	93.6	82.1	75.5	72.2	67.3	67.3
25°	758.3	699.2	495.7	259.3	106.7	80.4	72.2	65.7	59.1	55.8	57.4
27.5°	810.9	735.3	458.0	201.9	82.1	70.6	59.1	54.2	50.9	49.2	49.2
30°	853.5	758.3	402.1	134.6	73.9	62.4	52.5	47.6	44.3	42.7	42.7
32.5°	884.7	778.0	339.8	90.3	67.3	55.8	47.6	42.7	39.4	37.8	37.8
35°	937.2	792.8	282.3	77.1	60.7	49.2	41.0	37.8	34.5	34.5	34.5
37.5°	1017.7	812.5	224.9	70.6	55.8	44.3	39.4	34.5	32.8	31.2	31.2
40°	1088.3	837.1	160.9	64.0	50.9	41.0	34.5	31.2	29.5	27.9	27.9
42.5°	1190.0	865.0	105.0	57.4	46.0	37.8	31.2	27.9	26.3	24.6	24.6
45°	1319.7	911.0	82.1	50.9	41.0	34.5	29.5	26.3	23.0	23.0	21.3
47.5°	1457.6	966.8	73.9	47.6	37.8	31.2	26.3	23.0	21.3	19.7	19.7
50°	1585.6	1021.0	68.9	44.3	34.5	29.5	24.6	21.3	18.1	16.4	16.4
52.5°	1700.5	1071.8	65.7	41.0	32.8	26.3	21.3	18.1	16.4	14.8	14.8
55°	1761.2	1094.8	64.0	39.4	29.5	24.6	19.7	16.4	14.8	13.1	13.1
57.5°	1856.4	1124.4	62.4	37.8	27.9	21.3	18.1	14.8	13.1	11.5	11.5
60°	2010.7	1221.2	60.7	36.1	26.3	21.3	16.4	13.1	9.8	8.2	8.2
62.5°	2138.8	1301.6	54.2	31.2	23.0	18.1	13.1	9.8	6.6	4.9	4.9
65°	2284.8	1339.4	47.6	27.9	19.7	14.8	9.8	6.6	4.9	1.6	1.6
67.5°	2444.1	1396.8	39.4	24.6	18.1	11.5	8.2	4.9	1.6	0.0	0.0
70°	2360.3	1324.6	32.8	21.3	16.4	9.8	6.6	3.3	0.0	0.0	0.0
72.5°	1849.9	948.7	26.3	19.7	14.8	9.8	6.6	1.6	0.0	0.0	0.0
75°	1236.0	536.7	23.0	16.4	11.5	8.2	4.9	1.6	0.0	0.0	0.0
77.5°	671.3	241.3	19.7	14.8	9.8	6.6	4.9	1.6	0.0	0.0	0.0
80°	218.3	95.2	16.4	13.1	9.8	6.6	4.9	1.6	0.0	0.0	0.0
82.5°	59.1	29.5	16.4	13.1	9.8	6.6	4.9	1.6	0.0	0.0	0.0
85°	24.6	19.7	16.4	13.1	9.8	6.6	4.9	1.6	0.0	0.0	0.0
87.5°	9.8	6.6	6.6	8.2	6.6	4.9	3.3	1.6	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6
2.5°	458.0	461.2	462.9	462.9	471.1	479.3	489.1	497.3	497.3	502.3	507.2
5°	402.1	405.4	410.4	425.1	441.5	459.6	477.6	490.8	508.8	517.0	522.0
7.5°	356.2	359.5	372.6	387.4	410.4	441.5	472.7	502.3	520.3	528.5	535.1
10°	308.6	313.5	328.3	354.5	384.1	421.8	458.0	508.8	538.4	554.8	561.4
12.5°	239.6	252.8	272.5	300.4	338.1	395.6	462.9	515.4	566.3	586.0	599.1
15°	151.0	162.5	193.7	238.0	288.9	356.2	449.7	525.2	595.8	615.5	636.9
17.5°	96.8	98.5	108.3	155.9	221.6	306.9	430.0	540.0	628.7	656.6	689.4
20°	82.1	85.4	87.0	93.6	147.7	252.8	389.0	558.1	668.1	705.8	737.0
22.5°	68.9	70.6	73.9	78.8	88.6	183.8	333.2	558.1	702.5	758.3	794.4
25°	55.8	59.1	62.4	67.3	77.1	114.9	275.8	548.2	743.6	812.5	858.5
27.5°	49.2	49.2	52.5	57.4	65.7	80.4	218.3	518.7	774.7	845.3	906.1
30°	42.7	44.3	46.0	50.9	59.1	70.6	151.0	471.1	807.6	909.3	978.3
32.5°	37.8	37.8	41.0	44.3	52.5	64.0	96.8	398.9	850.2	958.6	1055.4
35°	34.5	34.5	36.1	39.4	47.6	57.4	75.5	338.1	901.1	1052.1	1158.8
37.5°	31.2	31.2	32.8	36.1	42.7	50.9	68.9	290.5	953.7	1145.7	1301.6
40°	27.9	27.9	29.5	32.8	37.8	46.0	62.4	234.7	1019.3	1283.6	1457.6
42.5°	24.6	24.6	26.3	29.5	34.5	41.0	54.2	175.6	1106.3	1432.9	1659.5
45°	21.3	21.3	23.0	26.3	29.5	37.8	49.2	134.6	1201.5	1598.7	1836.7
47.5°	18.1	19.7	21.3	24.6	27.9	34.5	44.3	118.2	1295.1	1774.4	2033.7
50°	16.4	16.4	18.1	21.3	26.3	31.2	41.0	116.5	1390.3	1909.0	2235.6
52.5°	14.8	14.8	16.4	19.7	24.6	29.5	39.4	119.8	1469.1	2033.7	2376.8
55°	13.1	13.1	14.8	16.4	21.3	27.9	36.1	123.1	1524.9	2160.1	2490.0
57.5°	11.5	11.5	13.1	16.4	19.7	24.6	32.8	126.4	1615.1	2284.8	2654.2
60°	8.2	8.2	11.5	14.8	18.1	21.3	31.2	129.7	1759.6	2457.2	2793.7
62.5°	4.9	4.9	6.6	11.5	14.8	19.7	27.9	123.1	1894.2	2678.8	3007.1
65°	1.6	3.3	4.9	6.6	11.5	16.4	23.0	111.6	2007.4	2900.4	3204.0
67.5°	0.0	0.0	1.6	4.9	9.8	13.1	19.7	82.1	2025.5	3000.5	3405.9
70°	0.0	0.0	1.6	4.9	8.2	13.1	18.1	46.0	1725.1	2680.4	3122.0
72.5°	0.0	0.0	0.0	3.3	8.2	11.5	16.4	34.5	1272.1	2020.6	2467.0
75°	0.0	0.0	0.0	1.6	6.6	9.8	14.8	26.3	773.1	1347.6	1610.2
77.5°	0.0	0.0	0.0	1.6	4.9	9.8	14.8	23.0	272.5	641.8	756.7
80°	0.0	0.0	0.0	3.3	6.6	9.8	13.1	19.7	65.7	160.9	216.7
82.5°	0.0	0.0	0.0	1.6	4.9	8.2	11.5	16.4	26.3	47.6	75.5
85°	0.0	0.0	0.0	1.6	3.3	8.2	11.5	14.8	18.1	23.0	32.8
87.5°	0.0	0.0	0.0	0.0	1.6	3.3	4.9	6.6	6.6	6.6	11.5
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6	500.6
2.5°	505.6	512.1	515.4	522.0	525.2	523.6	522.0	526.9	523.6	518.7
5°	523.6	523.6	528.5	530.2	530.2	525.2	528.5	526.9	523.6	523.6
7.5°	543.3	551.5	551.5	541.7	540.0	536.7	536.7	523.6	518.7	523.6
10°	563.0	569.6	571.2	559.7	544.9	538.4	530.2	513.8	505.6	508.8
12.5°	604.0	604.0	586.0	572.9	553.2	530.2	510.5	487.5	476.0	479.3
15°	633.6	640.1	615.5	586.0	551.5	508.8	487.5	469.4	462.9	458.0
17.5°	691.0	677.9	638.5	595.8	546.6	502.3	487.5	471.1	466.2	466.2
20°	740.3	733.7	674.6	597.5	544.9	515.4	505.6	497.3	495.7	490.8
22.5°	807.6	778.0	702.5	615.5	563.0	536.7	533.5	541.7	536.7	533.5
25°	858.5	833.8	723.9	641.8	590.9	582.7	587.6	595.8	582.7	577.8
27.5°	927.4	881.4	764.9	676.3	628.7	636.9	653.3	654.9	646.7	651.6
30°	991.4	942.2	796.1	715.7	692.7	700.9	725.5	743.6	732.1	725.5
32.5°	1083.3	1007.8	858.5	781.3	773.1	794.4	822.3	833.8	819.1	815.8
35°	1180.2	1083.3	922.5	855.2	869.9	899.5	924.1	943.8	920.8	930.7
37.5°	1331.2	1204.8	1030.8	971.7	978.3	989.8	1035.7	1089.9	1101.4	1081.7
40°	1488.8	1336.1	1130.9	1085.0	1099.7	1130.9	1185.1	1236.0	1262.2	1236.0
42.5°	1671.0	1462.5	1285.2	1231.1	1245.8	1290.1	1362.4	1403.4	1400.1	1360.7
45°	1895.8	1638.1	1429.7	1362.4	1416.5	1455.9	1528.1	1533.1	1501.9	1492.0
47.5°	2068.2	1785.8	1585.6	1542.9	1616.8	1618.4	1634.8	1636.5	1602.0	1590.5
50°	2258.6	1956.6	1759.6	1697.2	1822.0	1764.5	1720.2	1690.6	1638.1	1613.5
52.5°	2445.7	2078.0	1920.4	1856.4	1986.1	1833.4	1753.0	1662.7	1585.6	1559.3
55°	2545.8	2278.3	2155.2	2005.8	2022.2	1853.1	1651.3	1538.0	1406.7	1400.1
57.5°	2664.0	2412.9	2353.8	2107.6	1961.5	1715.3	1439.5	1290.1	1149.0	1132.6
60°	2803.5	2626.2	2563.9	2091.2	1746.5	1441.2	1140.8	948.7	815.8	804.3
62.5°	2959.5	2879.0	2693.5	1930.3	1387.0	1014.4	753.4	592.5	469.4	462.9
65°	3205.7	3090.8	2762.5	1625.0	917.5	650.0	500.6	384.1	310.2	306.9
67.5°	3360.0	3171.2	2608.2	1158.8	508.8	430.0	351.3	279.0	215.0	201.9
70°	3141.7	2910.2	2063.2	663.1	295.5	326.6	270.8	187.1	147.7	144.4
72.5°	2509.7	2160.1	1388.6	311.9	183.8	256.1	197.0	126.4	88.6	85.4
75°	1712.0	1359.1	871.6	144.4	129.7	187.1	144.4	73.9	62.4	62.4
77.5°	764.9	692.7	446.5	88.6	96.8	142.8	83.7	50.9	46.0	44.3
80°	233.1	244.6	182.2	60.7	72.2	108.3	50.9	34.5	27.9	26.3
82.5°	78.8	91.9	82.1	36.1	49.2	77.1	34.5	23.0	19.7	19.7
85°	37.8	46.0	41.0	23.0	26.3	37.8	27.9	18.1	11.5	11.5
87.5°	14.8	21.3	14.8	9.8	14.8	19.7	11.5	8.2	3.3	3.3
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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